
TUCSON AIRPORT AUTHORITY | Board of Directors Regular Meeting
Wednesday, December 4, 2024 | 3:00 p.m. | TAA Board Room and [Microsoft Teams](#)

Pursuant to [A.R.S. § 38-431.02](#), notice is hereby given to the members of the Tucson Airport Authority (TAA) and to the public that the **Board of Directors** will hold a meeting open to the public on **Wednesday, December 4, 2024, beginning at 3:00 p.m.** Directors and the public may attend in person or virtually.

In-Person: The TAA Board Room is on the departure level of the Tucson International Airport terminal and is situated between the Delta and Southwest ticket counters, and behind the Arroyo Trading Post. The address is 7250 South Tucson Boulevard, Tucson, Arizona, 85756.

Virtual: Members of the public interested in observing the proceedings remotely may do so via Microsoft Teams. Click [HERE](#) to be taken to the registration form. Upon registering, you will receive an email confirmation containing the hyperlink, telephone number, and access code to join the meeting online or by phone.

The agenda for the meeting is as follows:

1. CALL TO ORDER | ROLL CALL

- | | |
|----------------------------------------------------|---------------------------------------------------|
| <input type="checkbox"/> Keri Silvyn, Chair | <input type="checkbox"/> Mike Hammond, Vice Chair |
| <input type="checkbox"/> Phil Swaim, Secretary | <input type="checkbox"/> Vance Falbaum, Treasurer |
| <input type="checkbox"/> Judy Rich, Director | <input type="checkbox"/> Todd Jackson, Director |
| <input type="checkbox"/> Calline Sanchez, Director | <input type="checkbox"/> Fran Katz, Director |
| <input type="checkbox"/> Rhonda Piña, Director | <input type="checkbox"/> Ellen Wheeler, Director |

2. CONSENT AGENDA

Matters listed under the Consent Agenda are routine and will be enacted by one motion and one vote. There will be no separate discussion of the items on the Consent Agenda unless removed from the Consent Agenda by the Board Chair after a request of a member of the Board of Directors. If removed from the Consent Agenda, the item(s) will be considered separately and individually.

a. Approval of Minutes

Approve the minutes of the Board of Directors Regular Meeting held on November 6, 2024.

b. MHIRJ Lease Extension

Adopt Resolution No. 2024-20 authorizing the President/CEO or her designee(s) to extend the current lease with MHIRJ by one year, to expire on December 31, 2025.

c. Emeritus Member Appointment | Michael McGrath

Adopt Resolution No. 2024-21 approving the request from Member Michael McGrath to transition to Emeritus Member.

3. BOARD CHAIR REPORT

TAA and Staff Recognition | New or Promoted Employees, Awards, and Acknowledgments

4. PRESIDENT/CEO REPORT

- a. State of the Industry | Update
- b. Strategic Plan 2.1 | Quarterly Update and Close Out

5. PRESENTATION/DISCUSSION

Employee Termination Appeal Policy

The Board of Directors will receive a presentation and discuss with staff regarding possible updates to the TAA's Termination Appeal Policy.

6. ACTION ITEM

2025 TAA Membership Nominations

The Board of Directors will consider and may direct reconsideration by the Nominating Council of new member, continuing member and board member nominations by the Nominating Council for consideration by the Members during the 2025 Annual Meeting on January 27, 2025.

7. DIVISION UPDATES

At the discretion of the Board Chair, the Board of Directors may receive a short presentation or ask questions of division representatives based upon material in the Board packet.

- a. Legal Services
- b. Strategic Marketing and Air Service Development

8. EXECUTIVE SESSION

Environmental Matters

The Board of Directors may vote to discuss and to consult with the TAA's Executive Vice President/General Counsel or his designee, to consider its opinion and to instruct its representatives regarding potential litigation related to existing and future environmental liabilities, investigation, and remediation matters as provided in [A.R.S. § 38-431\(A\)\(3\) and \(4\)](#).

9. RETURN FROM EXECUTIVE SESSION

10. ACTION ITEM

Litigation Authorization Related to Environmental Matters

The Board of Directors will consider and may adopt Resolution No. 2024-22 authorizing the President/CEO or her designee(s) to commence litigation and to take all actions as authorized, associated with the environmental litigation matters as discussed and directed in executive session.

11. NEXT MEETING

Monday, January 27, 2025, immediately following the TAA Annual Meeting that begins at 9:00 a.m. | Hacienda del Sol Guest Ranch Resort, Casa Feliz Room | 5501 N. Hacienda del Sol Road, Tucson, Arizona 85718

12. ADJOURN

**TUCSON AIRPORT AUTHORITY | Board of Directors Regular Meeting
Wednesday, November 6, 2024 | 3:00 p.m. | TAA Board Room and Microsoft Teams**

THIS MEETING OF THE TUCSON AIRPORT AUTHORITY (TAA) BOARD OF DIRECTORS WAS HELD IN A HYBRID MANNER. BOARD MEMBERS AND MEMBERS OF THE PUBLIC ATTENDED THE MEETING IN PERSON OR VIRTUALLY/TELEPHONICALLY VIA MICROSOFT TEAMS.

1. CALL TO ORDER | ROLL CALL

Chair Silvyn called the meeting to order at 3:00 p.m.

Directors Present: Chair Keri Silvyn, Vice Chair Mike Hammond, Secretary Phil Swaim, Director Judy Rich, Director Todd Jackson, Director Calline Sanchez, Director Fran Katz, Director Rhonda Piña, and Director Ellen Wheeler

Directors Absent: Treasurer Vance Falbaum

Staff Present: President/CEO Danette Bewley, Executive Vice President/Chief Operating Officer (COO) Bruce Goetz, Executive Vice President/General Counsel Chris Schmaltz, Vice President/Chief Revenue Officer (CRO) John Voorhees, Vice President/Chief Financial Officer (CFO) Kim Allison, Vice President of Operations Chris Deitz, Chief Communications Officer Austin Wright, Chief People Officer Kim DeLaTorre, Deputy General Counsel Kim Outlaw Ryan, IT Customer Support Technician Hector Lopez, and TAA Clerk Byron Jones

2. CONSENT AGENDA

- a. Approval of Minutes (From the Board of Directors Regular Meeting held on September 4, 2024).
- b. Emeritus Member Appointments (Res. No. 2024-17)
- c. Pratt and Whitney Engine Services | Ground Lease Amendment (Res. No. 2024-18)

Motion by Director Wheeler, seconded by Director Katz, to approve the Consent Agenda. The motion carried by the following vote:

Ayes (9) Silvyn, Hammond, Swaim, Rich, Jackson, Sanchez, Katz, Piña, and Wheeler

Nays (0)

3. BOARD CHAIR REPORT

TAA and Staff Recognition | New or Promoted Employees, Awards, and Acknowledgments

Chair Keri Silvyn reported the following:

- ❑ The TAA achieved significant progress in workforce retention, with voluntary turnover at 11.5% and non-voluntary turnover at 15%.
- ❑ TAA launched the Wheels Up Aviation Scholarship five years ago to promote workforce development in aviation technology. The scholarship is awarded annually to three Pima Community College students, each of whom receives \$2,500.

The Fall 2024 recipients chosen by the Pima Community College Foundation:

- ❑ Karina Diaz | Aviation Powerplant Certification Program
- ❑ David Mangra | Aviation Airframe Mechanic Certification Program
- ❑ Jan Miguel | Aviation Powerplant Certification Program
- ❑ Detective James Allerton was recently among 38 individuals to receive the prestigious Veterans Servant Leader Award from Congressman Juan Ciscomani.

4. PRESIDENT/CEO REPORT

a. State of the Industry | Update

President/CEO Danette Bewley reported the following:

- ❑ Workers have voted to end their strike against the Boeing Company. The eight-week-long strike cost the manufacturer \$24B and has added further delays to their backlog in aircraft production. Airlines have begun returning retired aircraft—such as the Boeing 767—back into service to make up for the aircraft shortage.
- ❑ The TAA saw 50% in passenger growth year over year and is forecast to increase by 5.5% in FY 2025 despite the challenges in filling seats and securing new routes.
- ❑ The Air Service Development team succeeded in bringing a new route and a new carrier into the TUS market. Further information will be announced in the coming days.
- ❑ The TAA continues its legislative efforts to ensure medium and small-hub airports have a better chance competing against larger airports for the limited number of beyond-perimeter slots awarded under the Washington

Reagan National Airport (DCA) Perimeter Rule. The next opportunity for legislative impact is in 2029.

5. PRESENTATION/DISCUSSION

TAA Strategic Plan 3.0

Members of the Executive Team provided a high-level overview of the proposed Strategic Plan update.

- ❑ Since the TAA adopted its first strategic plan in 2020, the Executive Team has made regular updates to it to ensure the document remains relevant to what is happening in the industry. Strategic Plan 3.0 will serve as the TAA’s blueprint for FY 2025 through FY 2027.
- ❑ One of the four strategic areas, “Upgrade to First Class Systems,” has been re-titled as “Project Excellence.” This is a better reflection of the work the TAA is doing on major projects such as the Airfield Safety Enhancement (ASE) Program.
- ❑ Other highlights of Strategic Plan 3.0 include the following:

Expand Prosperity

- Ensuring that added capacity is structured so that the TAA derives the most revenue. This includes maintaining and enhancing existing routes, adding new routes and carriers, and re-establishing service to international destinations. Customers should view TUS not only an easy airport to use, but an airport that easily connects them with their ultimate destinations.
- Developing business intelligence practices to track more efficiently customer trends in the concessions program.
- Adding capacity to the rental car facility.

Project Excellence

- Beginning the design and the construction of enabling projects to prepare for the terminal modernization project.
- Developing a comprehensive funding strategy for infrastructure improvements and optimizing grant funding opportunities in conjunction with appropriate financing.
- Implementing a more up-to-date enterprise resource planning system that centralizes functions currently spread across multiple platforms.

Accelerate Performance

- Continuing to leverage the TAA’s employment packages to attract and retain top-tier talent.

TAA Champions

- Supporting continued efforts by the Board of Directors and the Membership to champion the TAA’s mission, continue collaborating with community partners, and building relationships with policymakers to promote legislation beneficial to the TAA and the aviation industry.

6. ACTION ITEM

TAA Strategic Plan 3.0

The Executive Team committed to providing the Board with regular status updates and metrics on Strategic Plan 3.0.

The Directors expressed support of the plan and complimented the Executive Team’s forward-looking approach.

Motion by Secretary Swaim, seconded by Director Jackson, to adopt Resolution No. 2024-19 accepting the update of the Tucson Airport Authority Strategic Plan (“TAA Strategic Plan 3.0”), setting the organization’s goals and strategic objectives for FY 2025 through FY 2027. The motion carried by the following vote:

Ayes (9) Silvyn, Hammond, Swaim, Rich, Jackson, Sanchez, Katz, Piña, and Wheeler

Nays (0)

7. DIVISION UPDATES

a. Finance and Regulatory Administration

Vice President/CFO Kim Allison presented a summary of the FY 2024 Third Quarter aviation activity, passenger statistics, and financials:

- Landed Weight: Landed weight is trending 0.5% above budget and is 6.4% higher than the FY 2023 actuals.
- Passenger Volume: Passenger volume is trending 0.2% above budget and is 7.4% higher than the FY 2023 actuals. TUS served just over three million passengers during the first nine months of FY 2024.
- Operating revenues and operating expenses through the third quarter were 83.9% and 66.8%, respectively. Both were favorable to budget.

- Detailed reports were included in the agenda packet.

b. Marketing and Air Service Development

Chief Communications Officer Austin Wright reported the following:

- At the last meeting, the Board requested information regarding the Cost Per Enplaned Passenger (CPE) at TUS and how it compares against its 14 west coast peer airports. The CPE is currently \$5.80, which makes TUS the second most affordable airport behind El Paso, Texas, which is at \$5.19. The CPE is an important metric airlines use when making route decisions, and TUS is well positioned to compete for new routes.
- Seat capacity grew 15% year over year from November 2023 to November 2024. This is well above the national average.
- Air Service Development has been diligent in monitoring the rate of passenger growth compared to the growth in seat capacity. Passenger activity has been affected by a reduction in immigrant air travel, which reached its peak in late 2023.

The TAA continues to focus its marketing efforts on local markets with the highest leakage to other airports. These efforts include targeted social media ads for users in critical zip codes as well as new billboards in Marana and Nogales. In addition, the TAA has increased its marketing presence in top inbound markets such as Chicago and Minneapolis to inspire inbound travel to ensure that the added capacity is fully utilized.

8. NEXT MEETING

Wednesday, December 4, 2024 at 3:00 p.m. | Hybrid Meeting – TAA Board Room and Microsoft Teams

9. ADJOURN

There being no further business to discuss, Chair Silvyn adjourned the meeting at 3:54 p.m.

APPROVED BY:

Prepared by:

Phil Swaim, Secretary

Byron Jones, TAA Clerk

Date: _____

Date: _____

Date: December 4, 2024

To: Board of Directors
From: John Voorhees, Vice President/Chief Revenue Officer
Re: Request to Extend the MHIRJ Lease

Background:

The current contract between TAA and Mitsubishi Heavy Industries Regional Jet (MHIRJ), which has been in effect for the past 20 years (formerly under Learjet and Bombardier), is set to expire on December 31, 2024. TAA Business and Commercial Development (BCD) has been actively negotiating with MHIRJ to establish mutually beneficial terms for renewing the contract for an initial term of 7-10 years, with the option(s) to extend the agreement for a longer period. Although progress has been made toward reaching an agreement, the negotiations have not yet been finalized. The delay is partially due to the logistics of the negotiation. The MHIRJ team requires successive reviews of the negotiated terms which means every change to the terms must be approved by TAA, the Canadian regional team, and the Japanese corporate team. This has led to a very protracted negotiation. But progress is steady, and TAA staff are confident of an eventual agreement.

Both TAA and MHIRJ agree that a one-year extension of the current lease will provide adequate time to finalize the new agreement and prevent any disruption to MHIRJ's operations at TUS.

Strategic Plan | Analysis:

This action aligns with the strategic initiative to Expand Prosperity. Although negotiations are taking longer than anticipated, both TAA and MHIRJ are committed to continuing discussions and are optimistic that a final agreement is within reach. Extending the MHIRJ contract will help mitigate potential negative impacts on TAA's revenue stream and MHIRJ's operations, allowing for the negotiation of comprehensive and mutually beneficial terms.

Earlier this year, MHIRJ projected its workforce to expand by 100 jobs this year, and more than 250 jobs over the course of the next three years.

Cost Analysis:

A CPI adjustment will be applied to the current rental fees, which will take effect for the duration of the one-year extension. Total anticipated revenue for the year is \$467,865. This is an increase of over \$100,000 from the previous year.

Recommendation:

Staff recommends the Board adopt Resolution No. 2024-20 authorizing the President/CEO or her designee(s) to extend the current lease with MHIRJ by one year, to expire on December 31, 2025.

Attachments:

Resolution No. 2024-20

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE TUCSON AIRPORT AUTHORITY, INC., AUTHORIZING THE PRESIDENT/CEO OR HER DESIGNEE(S) TO EXTEND THE CURRENT LEASE WITH MHIRJ BY ONE YEAR, TO EXPIRE ON DECEMBER 31, 2025.

WHEREAS TAA and Mitsubishi Heavy Industries Regional Jet (MHIRJ) have been in active negotiations to renew their contract, which is set to expire on December 31, 2024; and

WHEREAS the negotiations are ongoing and have not been finalized due to delays in the contract review process; and

WHEREAS TAA and MHIRJ agree that a one-year extension of the current lease will provide enough time to finish the negotiations without any impact to MHIRJ’s operations at TUS and continue TAA revenue from the premises at the same time; and

WHEREAS maintaining and renewing a lease with a long-standing tenant supports TAA’s strategic initiative to “Expand Prosperity.”

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE TUCSON AIRPORT AUTHORITY, INC., AS FOLLOWS:

The President/CEO or her designee(s) is authorized take all actions and to execute all documents necessary to extend the current contract with MHIRJ by one year, to expire on December 31, 2025.

PASSED AND ADOPTED by the Board of Directors of the Tucson Airport Authority, Inc., this fourth day of December, 2024.

Keri Silvyn, Chair of the Board

ATTEST:

APPROVED AS TO FORM:

Phil Swaim, Secretary

Christopher Schmaltz, Executive Vice
President and General Counsel

Date: December 4, 2024

To: Board of Directors
From: Byron Jones, TAA Clerk
Re: Emeritus Member Appointment | Michael McGrath

Background:

The Nominating Council considered the Emeritus Member application submitted by Michael McGrath during its meeting on November 12, 2024. The Council voted unanimously (6-0) to recommend to the Board of Directors that it approve Mr. McGrath's request to transition to Emeritus Member effective at the expiration of his term on January 26, 2025.

The Board of Directors has the authority to approve or reject Emeritus Member requests; they are not subject to a vote of the Membership.

[TAA Bylaws § 2.1.2\(b\)\(i\)](#): *"Members who have completed a minimum of ten (10) years of service may be considered for Emeritus Member status. Emeritus Membership shall be limited to those members who have provided distinguished service to the Authority over a sustained period of time."*

Recommendation:

Adopt Resolution No. 2024-21 approving the request from Member Michael McGrath to transition to Emeritus Member.

Attachments:

1. Emeritus Member application submitted by Michael McGrath
2. Resolution No. 2024-21

GENERAL INFORMATION	
Name:	Michael McGrath
TAA Member since (year):	2009
<p>Continuing Member: Active Members may serve for 15 years, and may request, subject to approval, to serve an additional five years as an Active Member, or transition to Emeritus Member. The member application for an additional five years of Membership is considered based upon participation and contribution to TAA's mission.</p> <p>Emeritus Member: Active Members must serve a minimum of 10 years to be eligible for emeritus membership. Members may apply to become emeritus beginning at 10 years, and at any time thereafter while they are a Member. The TAA Bylaws provide that the maximum time a Member may serve is 20 years (15 years plus 5 as a Continuing Member (subject to some exceptions related to Board service).</p> <p>Emeritus Members will:</p> <ol style="list-style-type: none"> 1. Be invited to the membership business meetings of the Tucson Airport Authority, but not entitled to vote; 2. be invited to all Tucson Airport Authority membership social functions; 3. retain parking privileges at the airport as provided to all TAA members; and 4. be utilized as invited and, if willing, as consultants to the Tucson Airport Authority on special issues. 	
<p>I wish to extend my term as an Active Member an additional five (5) years <input type="checkbox"/></p>	
<p>I wish to convert to Emeritus Member status <input checked="" type="checkbox"/></p>	

Please describe your participation and contribution to TAA's mission.

I have participated regularly in annual and special meetings, social events and served on all committees to which I was assigned. Over the last 2-3 years with a slowdown in my professional life and increase in travel I have participated less, leading to this request.

SIGNATURE	DATE

GENERAL INFORMATION	
Name:	Michael McGrath
TAA Member since (year):	2009
<p>Continuing Member: Active Members may serve for 15 years, and may request, subject to approval, to serve an additional five years as an Active Member, or transition to Emeritus Member. The member application for an additional five years of Membership is considered based upon participation and contribution to TAA's mission.</p> <p>Emeritus Member: Active Members must serve a minimum of 10 years to be eligible for emeritus membership. Members may apply to become emeritus beginning at 10 years, and at any time thereafter while they are a Member. The TAA Bylaws provide that the maximum time a Member may serve is 20 years (15 years plus 5 as a Continuing Member (subject to some exceptions related to Board service).</p> <p>Emeritus Members will:</p> <ol style="list-style-type: none"> 1. Be invited to the membership business meetings of the Tucson Airport Authority, but not entitled to vote; 2. be invited to all Tucson Airport Authority membership social functions; 3. retain parking privileges at the airport as provided to all TAA members; and 4. be utilized as invited and, if willing, as consultants to the Tucson Airport Authority on special issues. 	
<p>I wish to extend my term as an Active Member an additional five (5) years <input type="checkbox"/></p>	
<p>I wish to convert to Emeritus Member status <input checked="" type="checkbox"/></p>	

Please describe your participation and contribution to TAA's mission.

I have participated regularly in annual and special meetings, social events and served on all committees to which I was assigned. Over the last 2-3 years, with a slowdown in my professional life and an increase in travel I have participated less, leading to this request.

SIGNATURE	DATE
<i>MMG</i>	10-18-2024

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE TUCSON AIRPORT AUTHORITY, INC., APPROVING THE REQUEST FROM MEMBER MICHAEL MCGRATH TO TRANSITION TO EMERITUS MEMBER.

WHEREAS Section 2.1.2(b)(i) of the Tucson Airport Authority’s Bylaws provides that “Members who have completed a minimum of ten (10) years of service may be considered for Emeritus Member status, and that “Emeritus Membership shall be limited to those members who have provided distinguished service to the Authority over a sustained period of time;” and

WHEREAS Member Michael McGrath has met the minimum service requirement to be considered for emeritus membership; and

WHEREAS the Nominating Council reviewed Mr. McGrath’s application during its meeting on November 12, 2024, and voted unanimously (6-0) to forward a recommendation of approval to the Board of Directors; and

WHEREAS the Board of Directors concurs with the Nominating Council’s recommendation.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE TUCSON AIRPORT AUTHORITY, INC., AS FOLLOWS:

In recognition of his years of dedicated and distinguished service to the Tucson Airport Authority, the request from **MICHAEL MCGRATH (15 years)** to become an Emeritus Member, with all of the rights and privileges of that category of membership, is hereby approved effective upon the expiration of his term on January 26, 2025.

PASSED AND ADOPTED by the Board of Directors of the Tucson Airport Authority, Inc., this fourth day of December, 2024.

Keri Silvyn, Chair of the Board

ATTEST:

APPROVED AS TO FORM:

Phil Swaim, Secretary

Christopher Schmaltz, Executive Vice
President and General Counsel

Date: December 4, 2024

To: Board of Directors
From: Bruce Goetz, Executive Vice President/COO
Re: TAA Strategic Plan 2.1 Update | August - September 2024.

TAA staff has been focused on goals associated with Strategic Plan 2.1, adopted by the TAA Board in September 2022.

The attached report provides full detail of the progress made for the months of August through September 2024 and will close out this version of the Strategic Plan 2.1 as we transition to version 3.0. I want to highlight a few specific items since our last report at the September 4th Board meeting.

1. Accelerate Performance:

- a. The new Human Resources Information System (HRIS) within Paycom is near completion. This new system is a significant improvement in efficiency over the older system it replaced. Paycom was recently used successfully for our annual benefits enrollment and our new Learning Management System (LMS) within Paycom has also come online this quarter.
- b. Annualized attrition remains lower at 7% for the same period (August - October) in 2023. The implementation of retention strategies to ensure we are competitive with pay in the job market continue to show positive results.
- c. Our September 2024 Pulse Survey results indicated a high level of employee recognition and connection to the TAA Cultural Fundamentals.

2. Expand Prosperity:

The TAA continues its efforts to lease/develop non-aeronautical land at TUS and RYN.

A few notable updates include:

- a. Sonora East – Sonoran Corridor (SR-410) Tier 2 EIS has formally begun the planning process. TAA is a named stakeholder. John Voorhees, VP/CRO and Scott Robidoux, Manager of Planning are present at all meetings to represent TAA interests.
- b. The TAA is still waiting for a Letter of Intent from Schnitzer Properties to develop 96 acres of the property. The Business and Commercial Development team had an encouraging meeting with Schnitzer representatives in October, where they signaled that they are still interested in the property. At the same time BCD has

marketed the land to manufacturing companies that would be willing to construct an aesthetically pleasing facility along Los Reales Road.

- c. Airline Use Agreement (AUA): Working draft is under review by the airlines and we continue to meet with them to refine terms. The TAA has agreed to the term length of 10 years to ensure we have a commitment for future service at TUS and commitment to support ongoing capital obligations. Our desire is to have the agreement begin at some point during FY25; however, the timing depends on the airlines' final legal review process.

3. Upgrade to First Class Systems and Efficiencies:

- a. Sustainability: This project has experienced delays due to the attention required on TAA/EPA discussions (separate environmental matter). The TAA has completed draft strategies, and the consultant is working on associated goals. Estimated completion of the study is now Q2/Q3 FY25.
- b. Technology: Work has started on several important technology upgrades that were included in the FY24 budget.
 - Cost estimate for the new Access Control System will be complete in December.
 - Implementation of the Parking and Revenue Control System (PARCS) is underway, and the TAA is targeting the third week of December for completion.
 - New Private Wireless system is online connecting remote sites for Access Control, Cameras and PARCS.
- c. Cybersecurity: IT is working on numerous assessment and remediation projects for all of TAA technology systems.

4. Create TAA External Champions:

- a. Air Service/Airlines:
 - TUS continues to lead our peer airports in terms of capacity growth. For the period November 2024 through March 2025, TUS is projected to have 10.5% capacity growth YOY. Because of our continued capacity growth, TUS is expected to serve 5.5% more passengers in 2025 than 2024. We expect approximately 4.1 million passengers in 2025.
 - In August Southwest Airlines announced they will start service to Sacramento starting in March 2025. This new route speaks to not only our capacity growth, but an expanding route network too.

- The TAA has worked over the last year to build robust community partnerships with the Tucson Roadrunners, Reid Park Zoo, Arizona Sonoran Desert Museum, Tucson Botanical Gardens, and the University of Arizona. Our partnerships speak to our commitment to being a strong community partner. When our brand is visible in the community, our customers will better understand the importance of flying local.

b. **Advocacy:**

- Recently, the TAA Air Service Development team met with the Visit Tucson sales team to identify ways to best leverage our relationship to draw conferences and events into our region. This is a win for our local economy and tourism sector but is also a great way to ensure our nearly 11% of additional seat capacity is utilized.
- The TAA continues to be highly engaged in communication with our Board and Membership to ensure they have the resources they need to be impactful advocates for our airport system. As the airport prepares to roll out a new parking and reservation system, the TAA is sharing important advocacy points with our Board and Membership about the cost savings of parking at TUS compared to PHX.
- Our Board and Members receive two communications each month, the 'Member Advisory' and the 'Top 3 for Advocacy.' These resources are a top priority for the Marketing team to always ensure we are consistently communicating and move the needle of change for our airport system and community.

5. Attachments:

- a. Strategic Plan 2.1 Quarterly Board Report
- b. September 2024 Employee Pulse Survey Results



Accelerate Performance

Goal	Owner	Q1 '24	Q2 '24	Q3 '24	Q4 '24	Status	Board Update
Leverage and Implement the TAA Learning Strategy	Kim DeLaTorre	[Progress bar: 100%]				On Track	NEW Kim DeLaTorre: The TAA launched a new learning management system (LMS) through Paycom to individuals with learning content. The modernized LMS provides learning owners the ability to build, assign, and track learning across learning paths. Upcoming trainings on Emergency Management, Safety, and Employee Policies will be incorporated into the LMS.
Increase Efficiency of People Operations Talent Process	Kim DeLaTorre	[Progress bar: 100%]				On Track	NEW Kim DeLaTorre: The TAA continues to transition processes into the Paycom Human Resources Information System (HRIS) to reduce manual processing. The payroll module is fully implemented with several months of successful payrolls. This year was the first year that TAA benefits selections were conducted through an integrated system to payroll, limiting manual transfer of data between benefits and payroll deductions. Future efficiency plans include implementing improvements to performance management, leave management, and onboarding.
Evaluate Causes of Attrition and Implement Retention Strategies	Kim DeLaTorre	[Progress bar: 100%]				On Track	NEW Kim DeLaTorre: TAA's attrition rate is down 7% from the previous year over year rate. The retention strategies have included expanded feedback mechanisms, police retention agreements, improved Performance Management processes, and further connection of the Cultural Fundamentals into daily work.
TAA is a "Great Place To Work"	Kim DeLaTorre	[Progress bar: 100%]				On Track	NEW Kim DeLaTorre: The September 2024 Pulse Survey results indicated a high level of employee recognition and connection to the TAA Cultural Fundamentals. As we start this fiscal year, People Operations will conduct research into data-driven best practices for employer value propositions, research into external employee feedback organizations, and begin developing the structured path to be recognized as an employer of choice by multiple sources.



Goal	Owner	Q1 '24	Q2 '24	Q3 '24	Q4 '24	Status	Board Update
Commercial Development Planning and Marketing	John Voorhees					On Track	<p>NEW John Voorhees:</p> <p>BCD continues its marketing efforts on two fronts. Picor continues to advertise TAA vacant facilities and small land parcels. Properties is currently working through terms for the lease of the HIDTA building (6868 S. Plumer) to a local client. BCD has also engaged Amped Marketing to enhance TAA's business digital footprint. New digital brochures and a revamped website are in the works.</p> <p>New Rental Car agreements are in place. TAA is now working with the tenants to finalize Tenant Improvements in their space.</p>
Shovel Ready Infrastructure (both TAA land and our utility and community partners)	John Voorhees					On Track	<p>NEW John Voorhees:</p> <p>Sonora North – BCD awaits a Letter of Intent from Schnitzer Properties to develop 96 acres of the property. At the same time BCD has marketed the land to manufacturing companies that would be willing to construct an aesthetically pleasing facility along Los Reales Road.</p> <p>Sonora East – Sonoran Corridor (SR-410) Tier 2 EIS has formally begun the planning process. TAA is a named stakeholder. VP/CRO and Manager of Planning are present at all meetings to represent TAA interests.</p> <p>TAA hosted a site visit for Project Spark (EV aircraft manufacturer). TAA offered a portion of Sonora East for the company's manufacturing facility. The company also wishes to install a renewable energy facility to power their operation.</p> <p>Sonora South – ALTA Survey and lease are nearing completion for Project Lasso. Lasso will begin the first of five option years on the property.</p>



Goal	Owner	Q1 '24	Q2 '24	Q3 '24	Q4 '24	Status	Board Update
Shovel Ready Infrastructure (both TAA land and our utility and community partners) Continued	John Voorhees					On Track	<p>NEW John Voorhees:</p> <p>Aeronautical – Project Spark is a new EV aircraft company. Spark CEO and CFO conducted a formal site visit with local community. TAA hosted a successful visit with City of Tucson, Pima County, PCC, TEP, Sun Corridor and the Arizona Commerce Authority. TAA will respond to nationwide RFI by November 15.</p> <p>Skywest Airlines hangar siding is in place. Once doors are complete TAA will schedule a FAA flight check to ensure TUS navigational aids are not impacted by construction.</p> <p>Scott Group real estate company conducted a site visit of RYN and TUS. They have since upgraded their development goals from 60K SF in a single location to up to 100K SF in three separate locations at both airports.</p>
Negotiate Airline Use Agreement	Austin Wright					On Track	<p>NEW Austin Wright:</p> <p>The TAA has provided a new Airport Use Agreement draft to the airlines. We continue to meet regularly with the airlines. Most recently, we met with the AAAC on October 28th. We have agreed to the term length of 10-years to ensure we have a commitment to future service at TUS and commitment for capital obligations. Our desire is to have a final agreement during FY25; however, the timing depends on the airlines final legal review process.</p>
Expand Air Service Development Options	Austin Wright					On Track	<p>NEW Austin Wright:</p> <p>TUS continues to lead our peer airports in terms of capacity growth. For the period November 2024 through March 2025, TUS is projected to have 10.5% capacity growth YOY. Because of our continued capacity growth TUS is expected to serve 5.5% more passengers in 2025 than 2024. We expect 4.1 million passengers in 2025.</p> <p>We continue to meet with airlines, in October 2024, we had in person meetings with every incumbent carrier (except United) and met with potential entrants Breeze and JetBlue.</p> <p>TUS welcomes new nonstop service to Sacramento (SMF) in January on Alaska Airlines and in March on Southwest Airlines. This new route speaks to not only our capacity growth, but an expanding route network too.</p>



Upgrade to First Class Systems

Goal	Owner	Q1 '24	Q2 '24	Q3 '24	Q4 '24	Status	Board Update
Scope Enterprise Documentation Strategy	Anthony Casella					<p>On Track – Phase 1</p> <p>Behind – Phase 2</p>	<p>Anthony Casella: This is a multi-phased project that is behind schedule due to the efforts needed to comply with TSA Cyber Security mandates. The two phases are as follows:</p> <p>Phase 1:</p> <ul style="list-style-type: none"> Converting all users to Microsoft OneDrive – complete Converting and cleaning up departmental share drives and moving to backend SharePoint – clean up and archive of files – in progress <p>Phase 2: (On hold)</p> <ul style="list-style-type: none"> Procure a document management system to manage both digital and paper documents. This system will assist in the retention and deletion of files as well as archiving <p>The impacts of the TSA Cybersecurity mandates required the diversion of resources, which resulted in a pause of this work effort (the IT department has not had an opportunity to start Phase 2). We may push this item out further based on other system replacements that are a higher priority.</p>
TAA Cyber Security Program	Anthony Casella					On Track	<p>NEW Anthony Casella: As we continue to enhance our Cybersecurity posture and adhere to TSA mandates, the IT department has made excellent progress towards completing the following initiatives:</p> <p>Governance:</p> <ul style="list-style-type: none"> TSA Assessment – complete with ongoing activities Cybersecurity Incident Response Plan - complete TAA/TSA/CISA Cyber Incident Reporting Policy – complete Technology Room Access Policy - complete Cyber Risk Assessment Policy – Final review MFA/Zero Trust – complete Critical System(s) Identification – complete Least Privileged Access to critical systems – in testing phase Information Security Contract Addendum – complete Cybersecurity Training Awareness Policy – complete



Upgrade to First Class Systems

Goal	Owner	Q1 '24	Q2 '24	Q3 '24	Q4 '24	Status	Board Update
TAA Cyber Security Program (Continued)	Anthony Casella	[Progress bar: Q1-Q3 green, Q4 grey]				On Track	<p>NEW Anthony Casella:</p> <p>Projects:</p> <ul style="list-style-type: none"> • Firewall Replacement – Complete • Hybrid Data Center – Complete • Microsoft Teams Voice – Complete • Multi Factor Authentication (MFA) – Complete
Establish a Technology Roadmap to Meet all Stakeholder Needs	Anthony Casella	[Progress bar: Q1-Q3 green, Q4 grey]				On Track	<p>NEW Anthony Casella:</p> <p>The IT department has completed a 5-year Strategic IT Plan. This Plan encompasses:</p> <p>Capital projects</p> <ul style="list-style-type: none"> • Technology Lifecycle Replacement • Enterprise Software Systems • Infrastructure upgrades and improvements <p>Numerous projects identified in the 5-year IT Plan have been included in the FY24 budget and are as follows:</p> <ul style="list-style-type: none"> • New ERP System – this is behind schedule since there are many interconnected modules and other systems – evaluation will begin 2nd qtr. FY25 • New Payroll /HRIS System – Complete • Common Use Gate Management System Phase 1 – Complete, Phase 2 to begin in 1/2025 • Replacement of Access Control System – Phase 1 complete. Phase 2 SOW review – 1st qtr FY25 • Parking and Revenue Control System – Implementation in progress – completion 1/2025 • Lightning Detection System – Complete • Airport Management System – Vendor evaluations to begin 12/2024
Complete Sustainability Master Plan	Bruce Goetz	[Progress bar: Q1-Q3 yellow, Q4 grey]				Behind	<p>NEW Bruce Goetz:</p> <p>This item is behind schedule due to efforts needed for the Airfield Safety Enhancement Program and those needed for voluntary efforts to investigate PFAS related to fire fighting activities.</p> <p>The TAA has completed draft strategies and the Consultant is working on associated goals. The end date for completion is now estimated as Q2/Q3 FY25.</p>



Create External Champions

Goal	Owner	Q1 '24	Q2 '24	Q3 '24	Q4 '24	Status	Board Update
Determine and Activate a Community Value Proposition Based on Community Survey Results	Austin Wright					On Track	<p>NEW Austin Wright: With continually refresh our marketing efforts. Most recently we revamped our broadcast commercial to showcase our airports ease of use with greater clarity.</p> <p>The TAA continually evolves the marketing strategy to align with the Community Value Proposition (CVP) to highlight the ease of use at TUS. Highlighting the benefits of our airports ease of use, will help us retain local travel traffic and slow leakage.</p> <p>The economic impact of our airport system to our community is of critical importance to Southern Arizona. We are launching new billboards in Marana, AZ which has a high leakage rate to Phoenix. This strategic decision was made to create awareness about the importance of flying local. Retaining our communities' traffic, will help maintain the airports strong economic impact and continue to grow air service offerings for our community.</p>
Continue Outreach and Partnerships within the Tourism Sector	Austin Wright					On Track	<p>NEW Austin Wright: The relationship between TUS and Visit Tucson continues to evolve. Recently the Air Service Development team met with the Visit Tucson sales team to identify ways to best leverage our relationship to draw conferences and events into our region. This is a win for our local economy and tourism sector but is also a great way to ensure our nearly 11% of additional seat capacity is utilized.</p> <p>The TAA has worked over the last year to build robust community partnerships with the Tucson Roadrunners, Reid Park Zoo, Arizona Sonoran Desert Museum, Tucson Botanical Gardens, and the University of Arizona. Our partnerships speak to our commitment to being a strong community partner. When our brand is visible in the community, locals will better understand the importance of flying local.</p>



Create External Champions

Goal	Owner	Q1 '24	Q2 '24	Q3 '24	Q4 '24	Status	Board Update
Identify and Cultivate Member Value Proposition with an Accompanying Advocacy Plan for Membership Engagement Opportunities	Austin Wright					On Track	<p>NEW Austin Wright: The TAA continues to be highly engaged in communication with our Board and Membership to ensure they have the resources they need to be impactful advocates for our airport system. As the airport prepares to roll out a new parking and reservation system, the TAA is sharing important advocacy points with our Board and Membership about the cost savings of parking at TUS compared to PHX.</p> <p>Our Board and Members receive two communications each month, the 'Member Advisory' and the 'Top 3 for Advocacy.' These resources are a top priority for the Marketing team to always ensure we are consistently communicating and move the needle of change for our airport system and community.</p>



Survey

2024

Overall Trend

*Searching for source data

Survey Question	Pulse 2024	Employee Satisfaction Survey 2023	Pulse 2022	ESS 2022*
I am aware and understand the TAA Cultural Fundamentals	Agree/Strongly Agree 92%	No data	Agree/Strongly Agree 89%	No data
I see my leader and other leaders model the Cultural Fundamentals	Agree/Strongly Agree 76%	Agree/Strongly Agree 70%* <i>Question slightly different ("My leader is a role model of the CF")</i>	Agree/Strongly Agree 76%	No data
I approve of the direction the CEO and the Executive Team are taking TAA	Agree/Strongly Agree 77%	No data	Agree/Strongly Agree 70%	Agree/Strongly Agree 51%
The TAA Strategic Plan has been explained to me and I have an understand of the four initiatives	Agree/Strongly Agree 79%	No data	Agree/Strongly Agree 88%	Agree/Strongly Agree 68%

Date: December 4, 2024

To: Board of Directors
From: Chris Schmaltz, Executive Vice President & General Counsel
Re: Board Termination Appeal Policy Review and Discussion

Background:

The existing TAA Termination Appeal Process policy was adopted by the Board of Directors in 1986. TAA, as an airport authority, is treated under AZ law as a public entity for a variety of purposes. TAA, per the adopted policy, currently grants TAA employees below Director level (generally, with some equivalent positions excepted) due process rights related to their employment. We believe it is time for the Board to have a close look at the Policy and update it (if the Board desires) to a modern approach to TAA governance, akin to the Bylaw updates accomplished in 2021.

Strategic Plan | Analysis:

The review falls squarely under the TAA Cultural Fundamentals of Systems Thinking, Agility, Inquiry and Feedback and Results Oriented. This commitment to the Cultural Fundamentals is a key element of the Strategic Plan Initiative of Accelerate Performance, and reflects TAA's ongoing commitment to both its employees, their rights as TAA employees, and the expectations TAA sets for its employees in their performance. It also reflects a commitment to modernization – is there a better way to both maintain due process for those employees covered by the policy, and to improve the process for all involved?

Cost Analysis:

Time and effort associated with this update will be borne by staff, with some costs for review by outside counsel, as we will have them review the update prior to bringing to the Board for approval. Those costs will be minimal and have been appropriately budgeted.

For Discussion:

Staff requests discussion and input from the Board on the following questions (and any others raised by the Board):

- 1) Composition of the Personnel Appeals Board/Eliminate the Personnel Appeals Board
 - a. Existing AZ law does not require that the Board of Directors serve as the Personnel Appeals Board, only that the final adjudicating body be reasonably impartial, to preserve an employee's due process rights. One possibility is to change the composition of the Personnel Appeals Board from the full Board to the Executive Council, or a designated sub-committee of the full Board. Another option is to remove the Board from the process completely, and to have the appointed hearing officer be the final decision maker.

- 2) Who is granted the due process rights under the policy?
 - a. TAA could, under existing law, change the policy to make all new employees at-will employees when hired after the update to the policy. This creates new issues for the TAA workforce, by creating 2 classes of below director level employees – one with due process rights, and the other without. Also, TAA must preserve, for our peace officers, a process that complies with the due process rights those employees have under existing AZ law.

- 3) Timelines
 - a. The timelines in the current policy are aimed at meeting AZ law requirements, and also providing for adequate due process protections. The current timelines add significant time to the existing process and we could consider altering those timelines, in compliance with applicable law, to balance due process and efficiency.

- 4) Existing law applicable to police officers – should there be a separate policy to follow existing law?
 - a. Peace officers receive their own due process rights under AZ law that the current Policy incorporates, and any new policy or policy amendment would need to accommodate those legal requirements.

Staff welcomes the discussion regarding these and any other element of the Policy that the Board would like to discuss.

Attachments:

Termination Appeal Process Policy No. 2021-38

Termination Appeal Process

Policy No.	2021-38
Date	1/25/2021
Authorized By	D. Bewley
Supersedes Policy No.	

The TAA Board of Directors adopted the following process in 1986.

Suspension, Demotion and Discharge, and Appeal Therefrom

1. For purposes of the procedure hereinafter provided there is hereby created a Personnel Appeals Board which shall be separately constituted and which shall be comprised of the members of the Board of Directors of Tucson Airport Authority. The Chair and Chair-Elect of Tucson Airport Authority shall respectively be the Chairperson and the Vice Chairperson of the Personnel Appeals Board.
2. After an employee has completed the probationary period, he or she shall not be suspended, discharged or demoted until the employee has been informed in writing of the reasons for and evidence warranting such action and has been given an opportunity to state his or her side of the story to a management official who will be involved in the decision whether to suspend, demote or discharge the employee.

In extraordinary situations where the best interest of TAA and the public require that the employee not be permitted to work prior to receiving such notice, the employee may be placed on a paid leave of absence during the decision-making process.

If an employee does not make himself or herself reasonably available to receive notice and state his or her side of the story, any such action may be taken and notice of such action may be served by mailing to the last known address of the employee.

This procedure does not apply to temporary, on-call or probationary employees nor to employees who are terminated for reasons other than cause such as economic causes or abolition of the position of employment of such employee.

3. Any employee of the Tucson Airport Authority (TAA) who has completed the probationary period and who has been suspended, demoted, discharged or coerced into resigning under threat of discharge, shall have the right of appeal to the President/Chief Executive Officer of TAA. Such appeal shall be in writing, shall

specify the grounds upon which it is based, and shall be served on the President/CEO not later than five (5) working days after service of the notice of the disciplinary action or after such resignation.

Failure of the employee to serve the appeal within such five (5) working day period shall operate as a bar to further recourse on the individual's part.

The President/CEO or his designated representative shall, within five (5) working days after service of the notice of appeal, meet with the employee to discuss the reasons for the disciplinary action. The President/CEO or his designated representative can require other persons to be present if he so desires. Within ten (10) working days thereafter the President/CEO or his designated representative shall serve the employee with written notice of whether the disciplinary action is to be affirmed, modified, or rescinded.

If the employee is not satisfied with the decision of the President/CEO or his designated representative, the employee may request in writing a hearing before a hearing officer. The written request shall be made to the President/CEO and must be served on him/her within ten (10) calendar days after the employee has been served with notice of the decision of the President/CEO or his/her designated representative. The decision of the President /CEO or his/her designated representative shall be final and shall operate as a bar to further recourse on the individual's part, unless such a request is served within the time specified.

Upon timely service of a written request for a hearing, the President/CEO or his designated representative shall promptly notify the Chairperson of the Personnel Appeals Board (or the Vice Chairperson in the absence or disability of the Chairperson) who shall appoint a hearing officer who is not a member, director, officer or employee of TAA, set a date, time and place for the hearing and serve written notice thereof on the employee not less than twenty-five (25) days prior to the hearing.

Such hearing on appeal shall be held within forty-five (45) calendar days after service of a request for a hearing.

4. The hearing shall be open to the persons involved as principal parties or witnesses and it shall also be open to the public unless the employee has requested otherwise in writing. A transcript of the proceedings shall be made by the use of a mechanical recording device, or any other means by which an accurate transcript may be obtained. Both the employee and a representative of TAA staff shall appear at the

hearing either personally or through their chosen attorneys and each may present evidence and witnesses. Technical rules of evidence shall not apply at such hearing. While irrelevant evidence may be excluded, both parties shall be allowed reasonable latitude in the presentation of their evidence. Both parties shall be privileged to file with the hearing officer all relevant, material documents and records.

If either party shall fail to appear either in person or by attorney at the time and place set for the hearing, the hearing officer may as a consequence thereof recommend to the Board of Directors that the decision be awarded to the opposing party.

Not less than ten (10) calendar days prior to the date set for any hearing, each party shall, personally or by his or her attorney, meet with the other party or his or her attorney and discuss the issues of fact and law, if any, and jointly prepare and submit to the hearing officer a Pre-Hearing Statement which shall contain the following:

- (a) A list of all exhibits which either party intends to utilize at the hearing along with a statement of which exhibits may be admitted without objection and a statement of what objection will be made to the others;
- (b) A list of the witnesses intended to be called at the hearing by each of the parties;
- (c) A statement of the facts which the parties agree are material and which are undisputed;
- (d) A list of the contested issues of fact and law;
- (e) A statement as to whether or not the parties agree that contents of the employee's personnel jacket may or may not be considered by the hearing officer as part of the evidence at the hearing.

Failure of either party either to meet or to join in such a statement may be viewed by the hearing officer as a waiver of any right to proceed and may result in the recommendation to the Personnel Appeals Board of a decision against the party failing to submit same, without a hearing.

Within thirty (30) calendar days after the conclusion of the hearing and receipt of any briefs or transcripts, the hearing officer shall make his recommendation to the Personnel Appeals Board; such recommendations shall consist of written findings of fact and a recommended order for the disposition of the case.

In this respect the hearing officer may recommend that the disciplinary action be affirmed, that a lesser or greater penalty be imposed, or that the employee's former status be reinstated. If the hearing officer recommends that the employee's former status be reinstated, he shall recommend as part of his decision whether the employee shall receive back pay for all or part of any time lost as a result of the disciplinary action.

5. The recommendation of the hearing officer and the entire record shall be forwarded to the Personnel Appeals Board and copies of the recommendation shall be served on the President/CEO and on the employee. The Personnel Appeals Board may affirm, modify or reverse the decision of the President/CEO and its decision shall be final. The record shall be reviewed by all of the members of the Personnel Appeals Board participating in the Board's decision. The final decision of the Personnel Appeals Board shall be made not later than forty-five (45) days after the record and the hearing officer's recommendations are received.
6. Service may be accomplished by personal service or by certified mail. Service by certified mail shall be deemed complete two (2) days after depositing in the U.S. Mail in Tucson, Arizona, postage prepaid.

Authorized by:



Danette Bewley
President/CEO

1/25/2021

Date

Date: December 4, 2024

To: Board of Directors
From: Chris Schmaltz, Executive Vice President and General Counsel
Re: Report on the Nominating Council’s Member and Director Nominations and the slate of Corporate Officers for 2025

Background:

The TAA received ten nomination packets for new members and two self-nominations from Members for election to the Board of Directors. The Nominating Council considered the nominations during its meetings on October 24, 2024 and November 12, 2024, respectively. The Council’s recommendations are presented below. The Board of Directors, by a majority vote of its membership, may direct the Nominating Council to reconsider its recommendation of an individual for membership, director or slate of officers. Any nominations that are not returned to the Nominating Council will be placed on the ballot to be voted on by the Members during the Annual Meeting on January 27, 2025 ([TAA Bylaws § 2.2.2](#)).

New Membership:

Of the ten nominees for new members, the Council voted unanimously to place these seven candidates on the ballot. Assuming all seven are elected, the TAA will have 55 active members and one tolled member in 2025 for a total of 56. The Authority is limited to 60 active and/or tolled members at a time ([TAA Bylaws § 2.1.3, ¶ 4, and 2.2.2, ¶ 5](#)).

Nominees (in alphabetical order)	Profession	Nominated By
Kym Adair Executive Director, The Arizona Bowl	Association/ Non-Profit	Keri Silvyn
Steven Bossé Lawyer, Bossé Rollman PC	Law	Vance Falbaum
Elliott Cheu, Ph.D. Interim Senior Vice President for Research and Innovation, The University of Arizona	Education	Carol Stewart
Maureen “Mimi” Coomler CEO, Tucson Medical Center	Healthcare	Keri Silvyn
Tina Dorsey Vice President, Commercial Banking, JPMorgan Chase & Co.	Finance	Carol Stewart
Linda Mazon Gutierrez President/Majority Owner, Poravion, LLC	Retail	Carol Stewart
Nancy Kluge President/CEO, Reid Park Zoological Society	Association/ Non-Profit	Carol Stewart

Board of Directors:

The Council voted unanimously to recommend that two Members be placed on the ballot for election/re-election to Board of Directors to serve three-year terms. If both are elected, the Board of Directors will have eleven (11) members in 2025. The TAA Bylaws allow for a maximum of eleven (11) members ([TAA Bylaws § 4.1.1](#)).

Nominees (in alphabetical order)	Status	Board Service	Term	TAA Membership
Vance Falbaum	Incumbent	3 years	2nd	2013
Tim Overton	New	N/A	1st	2012

2025 Corporate Officers:

Corporate officers are elected by the Board for one-year terms, with the exception of the Chair of the Board, who is elected for a two-year term ([TAA Bylaws § 4.1.2, ¶ 2](#)). The Council voted to recommend the following slate of corporate officers for 2025:

Office	Director	Term
Chair of the Board	Mike Hammond	January 27, 2025 – January 24, 2027
Vice Chair of the Board	Phil Swaim	January 27, 2025 – January 25, 2026
Secretary	Vance Falbaum	January 27, 2025 – January 25, 2026
Treasurer	Rhonda Piña	January 27, 2025 – January 25, 2026

Strategic Plan | Analysis:

Welcoming new members to the TAA supports the strategic plan initiative to “Create External TAA Champions.” Having members who take pride in the TAA and who advocate on behalf of the organization throughout the region ensures continued TAA’s support for the region’s economic prosperity. Directors have a fiduciary responsibility to ensure that TAA operates as a sustainable, non-profit airport system. Having directors with previous board service and new directors who have been a member for several years and who have served on advisory councils helps to ensure the airport system’s continued sustainability and growth.

Cost Analysis:

There are administrative costs for new members such purchasing their name tags and including them in the organization’s social functions. These costs have a negligible effect on the TAA’s overall operating budget.

Recommendation:

The Board will consider and may direct reconsideration by the Nominating Council of new member and director nominations by the Nominating Council for consideration by the Active Members during the 2025 Annual Meeting on January 27, 2025.

Attachments:

1. New member nomination packets (7)
2. Director self-nominations forms (2)



New Member Nominations | 2024

KYM ADAIR

Executive Director

The Arizona Bowl

(Nominated by Keri Silvyn)

An Active or Emeritus Member TAA Member must complete and submit this nomination form in collaboration with the potential nominee. The nomination form and additional requested documentation must be received by the TAA Clerk **no later than 11:59 p.m. on October 1, 2023.**

GENERAL INFORMATION					
Name: Kimberly Adair		Length of residency*: 25 years			
Home Address: [REDACTED]					
E-mail Address: kym@thearizonabowl.com					
Home Phone No.: [REDACTED]		Mobile Phone No.: [REDACTED]			
PROFESSIONAL INFORMATION					
Company: The Arizona Bowl		Profession/Industry: Sports			
Position/Title: Executive Director					
Work Address: 100 S. Church Ave, Suite 300B, Tucson, AZ 85701					
Work Phone No.: 520-292-6951		Work E-mail Address: kym@thearizonabowl.com			
DEMOGRAPHIC INFORMATION (Optional)					
What is your race/ethnicity? Please mark the one box that describes the race/ethnicity with which you primarily identify.	<input type="checkbox"/>	Hispanic or Latino: a person of Cuban, Mexican, Chicano, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race.			
	<input checked="" type="checkbox"/>	White: a person that has origins in any of the original peoples of Europe, the Middle East, or North Africa.			
	<input type="checkbox"/>	Black or African American: a person that has origins in any of the Black racial groups of Africa.			
	<input type="checkbox"/>	Asian: a person that has origins in any of the original peoples of East Asia, Southeast Asia, or the Indian subcontinent including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam.			
	<input type="checkbox"/>	Native Hawaiian or Other Pacific Islander: a person that has origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.			
	<input type="checkbox"/>	American Indian or Alaska Native: a person that has origins in any of the original peoples of North and South America (including Central America), and who maintains tribal affiliation or community attachment.			
	<input type="checkbox"/>	Two or More Races: a person who primarily identifies with two or more of the above race/ethnicity categories.			
What is your gender? Please mark the one box that describes the gender with which you primarily identify.	<input type="checkbox"/>	Male	What is your age? Please mark one box below.	<input type="checkbox"/>	Under 40
	<input checked="" type="checkbox"/>	Female		<input checked="" type="checkbox"/>	41-50
	<input type="checkbox"/>	Non-binary		<input type="checkbox"/>	51-60
	<input type="checkbox"/>		<input type="checkbox"/>	Over 60	
Do you have a disability? Please mark the appropriate box.	<input type="checkbox"/>	Yes, I have a disability (or previously had a disability).			
	<input checked="" type="checkbox"/>	No, I do not have (nor have I previously had) a disability.			

*Length of residence in the Tucson International Airport air service area. Pursuant to Section 2.1.1 of the TAA Bylaws, this area encompasses "the general Southern Arizona region."

QUESTIONNAIRE

Is the potential nominee a local, State, or Federal elected official or government employee? <i>If "Yes," list the agency and position/title below. Also, submit a copy of the job description along with the nomination form.</i>	YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Please summarize the nominee’s professional background and expertise. *(Additional detail may be provided in the nominee’s Letter of Interest)*

Kym Adair is currently the Executive Director of the Snoop Dogg Arizona Bowl and the event not only attracts thousands of fans throughout the country, it highlights the beauty of Southern Arizona to a national television audience. Prior to this role, Kym was the Senior Vice President of Marketing and Business Development at NOVA Home Loans where she led a team of 40 and worked to grow NOVA into a \$5B mortgage lender before her departure. Prior to NOVA, Kym worked at the Greater Tucson Economic Council in marketing and investor relations.

Please list activities demonstrating the nominee’s care and commitment to community service or involvement, including previous or current membership in non-profit or community organizations and the duration of service.

ORGANIZATION/INVOLVEMENT	DURATION OF SERVICE
Boys and Girls Club of Tucson - past President and current Senior Board Member	2010 - current
Sun Corridor - Member	2 months
Rotary Club of Tucson - Member	4 years
Breakfast Club of Tucson - Member	3 years

Please describe how the nominee’s personal experience will translate into becoming a fierce advocate of TAA in local, national, and international communities. *(Additional detail may be provided in the nominee’s Letter of Interest)*

In my role, I am always selling Tucson, our incredible airport and community. I have been sharing my admiration and love of our airport for many years. I don't know many people who would say the airport makes them happy, but our airport does make me happy. The ease of use, the size, the fantastic amenities and the access to flights that will easily take you anywhere in the world are just a few reasons why I advocate for the airport. Having been in economic development early in my career, I also have a deep appreciation for the impact a great airport can have in growing a community.

QUESTIONNAIRE

Please indicate any of the TAA advisory councils which might benefit from the potential nominee's working knowledge, membership, and participation.

COUNCIL		
Audit	<input type="checkbox"/>	<input type="checkbox"/>
Corporate Governance	<input type="checkbox"/>	<input type="checkbox"/>
Finance and Risk Management	<input type="checkbox"/>	<input type="checkbox"/>
Finance and Risk Management – Environmental/Sustainability Sub Council	<input type="checkbox"/>	<input type="checkbox"/>
Nominating	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Provide a brief explanation of how the TAA will benefit from their participation on the council(s) indicated.
(Additional detail may be provided in the nominee's Letter of Interest)

The TAA will benefit from my strong business network, my commitment and work ethic for the boards that I sit on, and my unique position of leading one of the largest events in Tucson that draws visitors here from all over the country. I also believe that my experience in marketing and business development will add a new voice to the ideas generated and decisions made in the organization.

References

	NAME	E-MAIL ADDRESS	PHONE NO.
1.	Tim Medcoff	tmedcoff@farhangmedcoff.com	
2.	Edmund Marquez		
3.	Vance Faulbaum	vance.falbaum@rbc.com	

Nominated By:

TAA MEMBER (NAME)	SIGNATURE	DATE
Keri Silvyn		July 8, 2024

Due Date: October 1, 2023 by 11:59 p.m.

Email to:

bjones@flytucson.com

Mail to:

Tucson Airport Authority
 Attn: TAA Clerk
 7250 S. Tucson Blvd., Ste. 300
 Tucson, AZ 85756

A **complete** nomination packet must include the following:

- **New Member Nomination Form** (Signed and dated by a current Active Member or Emeritus Member)
- **Statement of Interest Letter**
- **Resume**
- **Biographical Information** (e.g., company profile, website, or LinkedIn profile)
- **Executed Disclosure Statement**

June 26, 2024

To Whom It May Concern:

Thank you for considering my application to become a member of the Tucson Airport Authority. I have long been an admirer and supporter of the Tucson International Airport and often talk to people about how great our airport is. As a person who in the past used the airport almost on a weekly basis to travel for work, and someone who always chooses it to commence my leisure travel, and a person who now invites visitors from all over the country to use it to attend the Snoop Dogg Arizona Bowl, I believe I could bring value to the membership.

Early on in my career, I had the privilege of working at the Greater Tucson Economic Council (GTEC). At the time, GTEC was the economic development driver for Southern Arizona. I learned very quickly that having an excellent airport was an important factor in attracting businesses that want to relocate or create high paying jobs. Specifically, we saw the need for our community to have an airport that delivers diverse flights, carriers, and top-notch experiences. I believe that the Tucson Airport Authority has delivered on most aspects of these requirements, and I would enjoy being part of the membership that ensures it continues to address the most pressing challenges and anticipates the ones still to come.

Additionally, I believe my experience in Marketing and Business Development will be an asset to Authority and provide sound and creative ideas as needed.

In full candor, I love Tucson. This is my home and where I raised my children and where I will close out my days. The motto that defines me and the way I see the world is "A rising tide lifts all boats". We are lucky enough to live in one of the greatest communities in the world and if we all work towards the betterment of the greater good and not just our personal interests, I really believe that we can become even more remarkable. If this is the type of optimism and enthusiasm that will benefit the Tucson Airport Authority, I hope that you will consider my application for membership.

All my best,

A handwritten signature in black ink, appearing to read "Kym Adair", with a period at the end.

Kym Adair
Executive Director
Snoop Dogg Arizona Bowl
520-975-8977
kym@thearizonabowl.com

Professional Experience:

Arizona Bowl

The Arizona Bowl is a 501(c)3 non-profit organization that hosts a NCAA sanctioned football bowl game and associated events in Tucson, Arizona every year.

Executive Director

July 2018 – Current

Responsibilities:

- Manage the operations, event-planning and staff of the Arizona Bowl
- Negotiate contracts on behalf of the Bowl including contracts with the NCAA, CBS Sports, title sponsors, collegiate conferences, and teams.
- Oversee the financial sustainability of the Arizona Bowl, its budget, and non-profit status.
- Work with Board of Directors representing Southern Arizona's top organizations and a 75 person Bowl committee
- Manage annual NCAA certification and audits.
- Manage the sales staff and collaborate on closing large sponsors.
- Manage the marketing staff and collaborate on the branding and advertising of the Bowl game annually.
- Ensure that the Arizona Bowl game operations and team services are first class and that the Bowl is executed in a professional manner.
- Conduct radio, print and television interviews to further the publicity of the Arizona Bowl and its mission.
- Provide energetic and engaging presentations to the public, business groups and clubs throughout Southern Arizona.

NOVA Home Loans

NOVA is the 25th largest mortgage lender in the country with 1000+ employees nationwide. It closed more than \$3.5 billion in volume in 2018.

Senior Vice President of Marketing and Business Development

February 2009 – July 2018

Responsibilities:

- Develop, execute and manage a multi-million-dollar advertising and marketing budget.
- Work with agency to develop and implement an award-winning advertising and marketing campaign.
- Supervise 40 staff including Graphic Designers, Marketing Specialists and Business Development Officers.
- Perform all PR functions
- Responsible for all advertising and media placements.
- Write creative radio and television scripts to be used to produce dynamic commercials.
- Ensure the integrity of the NOVA branding
- Evaluate and sign contracts.
- Work with professional and college sporting franchises to develop corporate sponsorships. This includes developing ideas for creative in-game promotions, writing scripts, negotiating contracts, and ensuring the complete execution of the strategy.
- Oversee all external communications from creation to completion.
- Directly manage all social media marketing including Facebook and Twitter exchanges, giveaways and video uploads.
- Oversee NOVA's engagement in Marketing Agreements with other businesses.
- As a direct result of our advertising efforts, am responsible for growing NOVA's market share throughout Arizona, Colorado and Nevada.
- Manage the production of all television, radio, and publication pieces.
- Develop strategic marketing plans for NOVA Financial Services and NOVA Insurance Services and execute the strategies to grow market share.
- Develop and manage marketing software platforms that increase the visibility of Loan Officers and offer them the best tools available in the industry.
- Work directly with COO on the strategies to open and grow new branches in existing and new markets.

The Caliber Group

Caliber Group is a full-service marketing, public relations, and communications firm.

Marketing Communications Manager

March 2006 – February 2009

Responsibilities:

- Develop marketing and advertising plans for various clients.
- Develop and present public relations proposals.
- Perform market research.
- Write editorials and magazine articles.
- Perform marketing audits to identify strengths and weaknesses in a clients strategy.
- Create media plans that identify key strategic media exposure opportunities.
- Reviewed handbook, made suggestions to principals, and helped recruit key members to Caliber's team.

Tucson Association of REALTORS (TAR)**Director of Marketing, Communications and Membership****June 2005 – March 2006**

(The President of GTEC left to take the position of C.E.O. of the Tucson Association of REALTORS. He asked me to leave GTEC and follow him to TAR and manage several of the departments in the Association. I left the Association for maternity leave and did not return.)

Responsibilities:

- Supervised 5 direct reports and managed the Membership, Education, Events, and Marketing/Communications departments of the organization.
- Directly responsible for all of the marketing, communications, and public relations activities for the organization. This included:
 - Composing and sending press releases
 - Being the primary point of contact for all press inquiries
 - In conjunction with the Caliber Group, developing and implementing a \$200K marketing and communications plan, which included radio/television advertisement and public relations outreach.
 - Participating in Association Board Meetings and leading discussions regarding my four departments.
 - Developing the content, writing the articles, and editing the graphics for a quarterly magazine and weekly email newsletter.
 - Supervising the planning, marketing and execution of the Association Expo which is composed of 100+ exhibitors at the Tucson Convention Center.
- Managed the budgets of four departments and implemented cost saving measures in each department.

Greater Tucson Economic Council (GTEC)**Director, Investor Relations****July 2003 – June 2005****Responsibilities:**

- Managed the relationships that GTEC had with 160 private investors.
- Managed the relationships and contracts that GTEC had with the City of Tucson, Pima County, Town of Marana, Town of Oro Valley, the Pascua Yaqui Tribe, Tohono O'odham Tribe and the City of Benson.
- Was the primary liaison between the Investors and the Corporate Services department.
- Supervised and coordinated all public relations events including the Annual Investor Meeting, Executive Briefings, and Special Events.
- Was appointed to several community committees as GTEC's representative.
- Developed relationships with companies in the region to promote investment in GTEC.
- Supervised and provided content for the Investor Relations monthly newsletter.
- Supported the Vice President of Marketing's efforts in developing marketing pieces.
- Reported to the Board of Directors at monthly Board Meetings.
- Responsible for the organization's account receivables and forecasting monthly/annual collections.
- Developed and maintained departmental budget.

Education & Leadership Positions:


- Northern Arizona University, Bachelor of Science in Political Science
- Nonprofit Leadership Management Certificate from the Eller Executive Education department at the University of Arizona
- Named a 2011 Up & Comer by Inside Tucson Business
- Graduate of Greater Tucson Leadership, 2005
- Past Director on the Board of the Southern Arizona Mortgage Lending Association
- Past President and Director on the Board of the Boys & Girls Club of Tucson
- Current Member of the Breakfast Club of Tucson

In July of 2018, Kym Adair was named the Executive Director/CEO of the Snoop Dogg Arizona Bowl presented by Gin & Juice by Dre and Snoop. Prior to accepting the role, Kym was an officer of the Board of Directors of the Bowl game and worked closely with the Staff in the execution of the game. Her previous ten years of experience as the Senior Vice President of Marketing and Business Development for the Bowl's first title sponsor, NOVA Home Loans, provided her tremendous opportunities to develop strategic relationships with key Bowl partners which enabled her to make a seamless transition into the Executive Director role. When she started, she was just one of two female Executive Directors of a college football bowl game in the country; however after 6 years of progress, there are now 6 women Executive Directors.

As the Executive Director, Kym works directly with the Board, manages the day-to-day operations of the Bowl staff, is tasked with the growth and sustainability of the Bowl, and ensures a happy collaboration with Conference and broadcast partners.

Kym is also the mother of two children, Andrew and Grace, and is married to her college sweetheart, Craig Adair.

Member/Board of Directors Annual Disclosure Statement
(Adopted August 7, 2012)

Name: Kym Adair	
<p>In an effort to avoid any appearance of a lack of integrity and transparency in Tucson Airport Authority's decision-making processes, TAA has adopted a Conflict of Interest Policy applicable to all TAA members. In addition, members of the TAA Board of Directors are required to submit an annual disclosure statement to disclose (i) any personal or financial interests that have a reasonable likelihood to create, or to appear to create, a conflict of interest with TAA, and (ii) any current business relationships involving TAA.</p>	
I have the following personal or financial interests to disclose in accordance with the Policy:	
None	
In addition, I currently have the following business, contractual or other financial relations with the TAA:	
None	
<p>I have read and agree to comply with the Tucson Airport Authority Conflict of Interest Policy. I have disclosed on the attached form all potential conflicts and relevant business relationships involving TAA of which I am aware, if any. I will promptly report any changes that may create or appear to create a conflict of interest with TAA.</p>	
SIGNATURE	DATE
	06/26/24

STEVE BOSSÉ

Lawyer

Bossé Rollman PC

(Nominated by Vance Falbaum)



NEW MEMBER NOMINATION FORM

AIRPORT AUTHORITY
TUCSON INTERNATIONAL AIRPORT • RYAN AIRFIELD

An Active or Emeritus Member TAA Member must complete and submit this nomination form in collaboration with the potential nominee. The nomination form and additional requested documentation must be received by the TAA Clerk **no later than 11:59 p.m. on October 1, 2023.**

GENERAL INFORMATION			
Name: Steven L Bosse'		Length of residency*: 52 years	
Home Address: [REDACTED]			
E-mail Address: bosse@bosserollman.com			
Home Phone No.:		Mobile Phone No.: [REDACTED]	
PROFESSIONAL INFORMATION			
Company: Bosse' Rollman PC		Profession/Industry: LAW	
Position/Title: Lawyer			
Work Address: 3507 N Campbell Ave., Suite 111, Tucson, AZ 85719			
Work Phone No.: 520-320-1300		Work E-mail Address: bosse@bosserollman.com	
DEMOGRAPHIC INFORMATION (Optional)			
What is your race/ethnicity? Please mark the one box that describes the race/ethnicity with which you primarily identify.	<input type="checkbox"/>	Hispanic or Latino: a person of Cuban, Mexican, Chicano, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race.	
	<input checked="" type="checkbox"/>	White: a person that has origins in any of the original peoples of Europe, the Middle East, or North Africa.	
	<input type="checkbox"/>	Black or African American: a person that has origins in any of the Black racial groups of Africa.	
	<input type="checkbox"/>	Asian: a person that has origins in any of the original peoples of East Asia, Southeast Asia, or the Indian subcontinent including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam.	
	<input type="checkbox"/>	Native Hawaiian or Other Pacific Islander: a person that has origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.	
	<input type="checkbox"/>	American Indian or Alaska Native: a person that has origins in any of the original peoples of North and South America (including Central America), and who maintains tribal affiliation or community attachment.	
	<input type="checkbox"/>	Two or More Races: a person who primarily identifies with two or more of the above race/ethnicity categories.	
What is your gender? Please mark the one box that describes the gender with which you primarily identify.	<input checked="" type="checkbox"/>	Male	What is your age? Please mark one box below.
	<input type="checkbox"/>	Female	
	<input type="checkbox"/>	Non-binary	
	<input type="checkbox"/>		
	<input type="checkbox"/>		41-50
	<input type="checkbox"/>		51-60
	<input checked="" type="checkbox"/>		Over 60
Do you have a disability? Please mark the appropriate box.	<input type="checkbox"/>	Yes, I have a disability (or previously had a disability).	
	<input checked="" type="checkbox"/>	No, I do not have (nor have I previously had) a disability.	

*Length of residence in the Tucson International Airport air service area. Pursuant to Section 2.1.1 of the TAA Bylaws, this area encompasses "the general Southern Arizona region."

QUESTIONNAIRE

Is the potential nominee a local, State, or Federal elected official or government employee? <i>If "Yes," list the agency and position/title below. Also, submit a copy of the job description along with the nomination form.</i>	YES	NO
	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Please summarize the nominee’s professional background and expertise. *(Additional detail may be provided in the nominee’s Letter of Interest)*

**Steve has been practicing law in Southern Arizona for 45 years.
He is a certified specialists in tax law by the State Bar of Arizona.
He specializes in employee benefits.**

Please list activities demonstrating the nominee’s care and commitment to community service or involvement, including previous or current membership in non-profit or community organizations and the duration of service.

ORGANIZATION/INVOLVEMENT	DURATION OF SERVICE
Tucson Botanical Gardens, Board of Directors	34 years
St. Andrews Presbyterian Church, Board of Trustees	2 years

Please describe how the nominee’s personal experience will translate into becoming a fierce advocate of TAA in local, national, and international communities. *(Additional detail may be provided in the nominee’s Letter of Interest)*

**Regular traveler out of TAA.
Expert in PSPRS local pension board issues.**

QUESTIONNAIRE

Please indicate any of the TAA advisory councils which might benefit from the potential nominee's working knowledge, membership, and participation.

COUNCIL		
Audit	<input type="checkbox"/>	<input type="checkbox"/>
Corporate Governance	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Finance and Risk Management	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Finance and Risk Management – Environmental/Sustainability Sub Council	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nominating	<input type="checkbox"/>	<input type="checkbox"/>

Provide a brief explanation of how the TAA will benefit from their participation on the council(s) indicated.
(Additional detail may be provided in the nominee's Letter of Interest)

Vast experience with tax-exempt entities.
Vast experience with PSPRS and local pension boards.

References

	NAME	E-MAIL ADDRESS	PHONE NO.
1.	Robert Elliott bobelliott@	elliottaccountinggroup.com	(520) 326-1850.
2.	David Cohen CPA	dcohen@beachfleischman.	com 520-321-4600
3.	Herb Hoffman herbert.	hoffman@cladirect.com	520-352-1263

Nominated By:

TAA MEMBER (NAME)	SIGNATURE	DATE
Vance L. Falbaum	<i>Vance L. Falbaum</i>	9/18/2024

Due Date: October 1, 2023 by 11:59 p.m.

Email to:

bjones@flytucson.com

Mail to:

Tucson Airport Authority
 Attn: TAA Clerk
 7250 S. Tucson Blvd., Ste. 300
 Tucson, AZ 85756

A **complete** nomination packet must include the following:

- **New Member Nomination Form** (Signed and dated by a current Active Member or Emeritus Member)
- **Statement of Interest Letter**
- **Resume**
- **Biographical Information** (e.g., company profile, website, or LinkedIn profile)
- **Executed Disclosure Statement**

CURRICULUM VITAE

OF

STEVEN L. BOSSÉ

PROFESSIONAL

AFFILIATIONS:

Arizona State Bar, 1979
U.S. District Court, District of Arizona, 1979
U.S. Court of Appeals, Ninth Circuit, 1979
U.S. Tax Court, 1979
• Certified Specialist in Tax Law Arizona Board of Legal Specialization

EDUCATION:

Law School: University of Arizona James E. Rogers College of Law:
J.D. with distinction, 1979

Undergraduate: University of Arizona: B.A. with distinction, 1975

PROFESSIONAL

ACTIVITIES:

Arizona State Legislature: Staff Counsel, Joint Select Committee on State
Lands, 1979
Pima County Attorney: Deputy, 1980-1983
Pima County Bar Association
State Bar of Arizona, Section on Taxation, 1983
Arizona Legal Skills Task Force, 1985
Arizona Supreme Court Disciplinary Commission, 1988-1994, Chairman,
1993-1994

PRACTICE AREAS:

Business Law
Tax Law
Employee Benefits Law
Labor and Employment Law
Qualified Retirement Plans

EMPLOYMENT: Bossé Rollman P.C.

LANGUAGES: Fluent in Spanish

TEACHING/LECTURES: Regular speaker at the Arizona Inn Tax Study Group, Regular
speaker for the Arizona State Bar Professionalism Course,
Adjunct Professor at University of Arizona College of Law
[ERISA, Federal Income Taxation] 2014 to present.

Member/Board of Directors Annual Disclosure Statement
(Adopted August 7, 2012)

Name: Steven L Bosse'	
<p>In an effort to avoid any appearance of a lack of integrity and transparency in Tucson Airport Authority's decision-making processes, TAA has adopted a Conflict of Interest Policy applicable to all TAA members. In addition, members of the TAA Board of Directors are required to submit an annual disclosure statement to disclose (i) any personal or financial interests that have a reasonable likelihood to create, or to appear to create, a conflict of interest with TAA, and (ii) any current business relationships involving TAA.</p>	
I have the following personal or financial interests to disclose in accordance with the Policy:	
Ownership of Bosse' Rollman PC	
In addition, I currently have the following business, contractual or other financial relations with the TAA:	
None	
<p>I have read and agree to comply with the Tucson Airport Authority Conflict of Interest Policy. I have disclosed on the attached form all potential conflicts and relevant business relationships involving TAA of which I am aware, if any. I will promptly report any changes that may create or appear to create a conflict of interest with TAA.</p>	
SIGNATURE	DATE
<i>Steven L Bosse'</i>	September 10, 2024

ELLIOTT CHEU

**Interim Senior Vice President for
Research and Innovation**

The University of Arizona

(Nominated by Carol Stewart)

QUESTIONNAIRE

Is the potential nominee a local, State, or Federal elected official or government employee? <i>If "Yes," list the agency and position/title below. Also, submit a copy of the job description along with the nomination form.</i>	YES	NO
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
University of Arizona Interim Senior Vice President for Research and Innovation		

Please summarize the nominee's professional background and expertise. *(Additional detail may be provided in the nominee's Letter of Interest)*

Elliott Cheu currently serves as the interim Senior VP for Research and Innovation where he oversees the research enterprise at the UA, a nearly \$1B portfolio that touches all aspects of the human endeavor from the humanities and arts to engineering and science. He also oversees the commercialization activities at the UA such as intellectual property, licensing and start ups as well as overseeing the two UA Tech Parks. He is a strong leader specializing in strategy and management.

Please list activities demonstrating the nominee's care and commitment to community service or involvement, including previous or current membership in non-profit or community organizations and the duration of service.

ORGANIZATION/INVOLVEMENT	DURATION OF SERVICE
Tucson Festival of Books: developed and oversaw Science City	7 Years
Southern Arizona Leadership Council: P-20 committee	1 year
Arizona SciTech Festival: Steering committee	6 years
Tucson Values Teachers: Teacher Appreciation Planning Committee	4 years

Please describe how the nominee's personal experience will translate into becoming a fierce advocate of TAA in local, national, and international communities. *(Additional detail may be provided in the nominee's Letter of Interest)*

Elliott Cheu has been a strong advocate for building connections between the University of Arizona and the local community. He has had strong relationships with many local and state organizations. His combination of local insight, professional expertise, and dedication to community engagement will enable him to effectively advocate for TAA and the communities, both local and distant, it serves.

QUESTIONNAIRE

Please indicate any of the TAA advisory councils which might benefit from the potential nominee's working knowledge, membership, and participation.

COUNCIL		
Audit	<input type="checkbox"/>	<input type="checkbox"/>
Corporate Governance	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Finance and Risk Management	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Finance and Risk Management – Environmental/Sustainability Sub Council	<input type="checkbox"/>	<input type="checkbox"/>
Nominating	<input type="checkbox"/>	<input type="checkbox"/>

Provide a brief explanation of how the TAA will benefit from their participation on the council(s) indicated.
(Additional detail may be provided in the nominee's Letter of Interest)

Elliott Cheu has served for over sixteen years in many leadership roles at the University of Arizona. He has extensive experience dealing with large budgets and overseeing large organizations. This experience will allow him to provide helpful insight from the perspective of a large and diverse public institution.

References

	NAME	E-MAIL ADDRESS	PHONE NO.
1.	Doug Hockstadt	douglash@arizona.edu	[REDACTED]
2.	Bruce Beach	bbeach@beachfleischman.co	[REDACTED]
3.	JP Roczniak	roczniak@arizona.edu	[REDACTED]

Nominated By:

TAA MEMBER (NAME)	SIGNATURE	DATE
Carol Stewart		9/22/2024

Due Date: October 1, 2023 by 11:59 p.m.

Email to:

bjones@flytucson.com

Mail to:

Tucson Airport Authority
 Attn: TAA Clerk
 7250 S. Tucson Blvd., Ste. 300
 Tucson, AZ 85756

A **complete** nomination packet must include the following:

- **New Member Nomination Form** (Signed and dated by a current Active Member or Emeritus Member)
- **Statement of Interest Letter**
- **Resume**
- **Biographical Information** (e.g., company profile, website, or LinkedIn profile)
- **Executed Disclosure Statement**

Board of Directors
Tucson Airport Authority
7250 S. Tucson Blvd., Ste 300
Tucson, AZ 85756

Dear Members of the Board,

I am writing to express my intent to become a Tucson Airport Authority Member. As a long-time resident of Tucson with a deep appreciation for our community and its growth, I believe I can contribute meaningfully to TAA's mission.

Since coming to Tucson, in 1996, I have been a huge advocate of Tucson International Airport. As a faculty member at the University of Arizona, my research requires me to travel frequently to Chicago, IL and Geneva, Switzerland, accumulating over 2M miles in the process. I have come to realize the value of our local airport and strongly advocate to all for support of this important local resource. In my leadership roles at the University of Arizona, I have overseen many units and groups that connect to our local community and support our region's economy. In my current position, both research and commercialization contribute directly to our region's economic success, which relies strongly on a robust and vibrant transportation system. As such, I am particularly passionate about ensuring that the airport serves as a vital hub for economic development while also being sensitive to community needs.

My involvement with local and state-wide organizations goes back many years. For example, I developed the concept of Science City for the Tucson Festival of Books in 2012. This STEM-focused activity has become a key attraction of the Festival of Books, which brings in over 130K visitors to the Festival and contributes over \$4M to the local economy. These types of engagements have strengthened my ability to collaborate with diverse communities and advocate for growth of travel to and from Tucson. I believe that my experience in connecting the university with our local and state communities will be beneficial in supporting the Tucson Airport Authority's goals and initiatives.

I am eager to contribute to the advancement of our local airport and to work alongside dedicated individuals who share a commitment to enhancing Tucson's connectivity and economic vitality. Thank you for considering my application. I look forward to the opportunity to discuss how I can support the important work of the Tucson Airport Authority.

Sincerely,



Elliott Cheu
Interim Senior Vice President, Research and Innovation
Distinguished Professor of Physics
The University of Arizona

Elliott Cheu, Ph.D.

University of Arizona
Research, Innovation and Impact
Administration, Room 601
Tucson, AZ 85721

Phone: (520) 621-9131
Email: echeu@arizona.edu
Homepage: <https://profiles.arizona.edu/person/echeu>

Leadership Roles

Interim Senior Vice President, Research and Innovation (2023-present)

Oversee a \$140M budget that includes research operations, research development, University-wide centers and institutes and the UA innovation enterprise

Developed and implemented a review of UA research priorities

Oversee a strategic review of University-wide centers and institutes

Developing an RII strategic plan for Phoenix research and innovation activities

Associate Vice President, Research Institutes (2022-2023)

Reorganized 16 University-wide centers and institutes; oversaw process to reauthorize nearly 100 centers and institutes; developed consistent procedures for new centers and institutes

Oversee 12 University Shared Research Cores

Oversee four University Museums and initiated a \$50M renovation for the Arizona State Museum

Developed a structure for RII Faculty Affairs including its first faculty constitution and bylaws; obtained a voting seat on Faculty Senate for RII faculty

Interim Dean, College of Science (2019-2021)

Manage \$96M budget, including faculty raise process, budget reallocation and teaching budget

Oversee over 500 unique external grant awards with an obligated total amount of \$163M

Re-organized Dean's management structure from 32 direct reports to 24 direct reports (15 department heads) to empower Senior Leadership Team and create clearer structure

Created first ever communication strategy to help disseminate Administrative Office decisions and plans to all College of Science leadership, faculty and staff

Worked with donors to solicit over \$40M in gifts to College with direct involvement in over \$15M

Launched a new Student Success Initiative for the College of Science

Created first diversity, equity and inclusion committee for College

co-Chair UA Strategic Plan (2017-2019)

Developed and implemented process for Strategic Plan

Provided leadership for the overall plan, and guided plan to completion

Led collaboration and communication efforts across stakeholders to effectively gather feedback

Oversaw Pillar 1 (Wildcat Journey) of Strategic Plan

Interim Dean, Honors College (2016-2017)

Oversaw development of new Honors Village and helped develop programming for it

Improved diversity by 20% compared to incoming class, and revamped application process

Created new program for admitting students from KEYS high school research program

Started new math program for high achieving high school students

Associate Dean, College of Science (2008-2016,2017-2019)

Created Arizona STEM Learning Center

Created Tucson Festival of Books Science City

Helped create and support implementation of Math 100 for Schedule for Success

Oversaw development of Pima Community College/UA transfer retention program

Co-developed BGS degree for students in the Colleges of Letters, Arts and Sciences

Raised approximately \$1.5M for renovating Flandrau Planetarium

Director of Undergraduate Studies, Physics Department (2006-2008)

Developed tool for extracting student information from student data system

Initiated revamp of Physics introductory laboratories

Revamped Physics curriculum, including new computational courses

Education

Cornell University, Ithaca, NY

Ph.D. Physics, July 1991

Stanford University, Stanford, CA

B.S. Physics with Honors, June 1986

Employment

University of Arizona (1996-present)

Interim Senior Vice President, Research and Innovation (2023-present)

Institutional Official (2023-present)

Associate Vice President, Research, Innovation and Impact (2022-2023)

Interim Dean, College of Science (2019-2021)

Associate Dean, College of Science (2017-2019)

Interim Dean, Honors College (2016-2017)

Distinguished Professor of Physics (2016-present)

Associate Dean, College of Science (2009-2016)

Interim Associate Dean, College of Science (2008-2009)

Professor (2008-present)

Director of Undergraduate Studies, Dept. of Physics (2006-2008)

Associate Professor (2002-2008)

Assistant Professor (1996-2002)

University of Chicago (1991-1996)

Research Scientist (1994-1996)

McCormick Fellow (1991-1994)

Cornell University (1986-1991)

Research Assistant (1987-1991)

Honors and Awards

Metropolitan Pima Alliance Common Grounds Semi-finalist, 2017
 Tucson Festival of Books Award of Contribution, 2017
 UA Team Award for Excellence, 2017
 University Distinguished Professor, 2016
 Galileo Circle Dean's Award, 2013
 AAFSAA Outstanding Faculty Award, 2010
 Arizona Leadership Institute Fellow, 2010
 Leon Blitzer Excellence in the Teaching of Physics Award, 2010
 College of Science Distinguished Advising Award, 2008
 College of Science Innovation in Teaching Award, 2000
 Arthur Holly Compton Lecturer, 1993
 Robert R. McCormick Postdoctoral Fellowship, 1991-1994.

Service Activities

Local Outreach

Arizona Science Radio Show, July 2022
 ASTA Structure and Function for Teaching Science Symposium, Jul. 2019
 Mansfeld STEM Night presentation, Feb. 2019
 Sun Corridor CEO Interview Series, Jan. 2019
 Wake Up Tucson Radio Show, Mar. 2018
 Road Scholar Lifelong Learning Institute Lecture, Nov. 2017
 ASTA Energy Symposium, May 2017
 Academic Village Public Lecture, Mar. 2017
 Arizona Science Radio Show, Feb. 2017
 College of Science Lecture Series, Feb. 2017
 Arizona Science Radio Show, Apr. 2016
 Biosphere 2 What If Lecture, Jan. 2016
 The Graduate Club Public Lecture, Jan. 2016
 Splendido Public Lecture, Apr. 2015
 Particle Fever Movie Panel, April 2014
 Bill Buckmaster Radio Show, Mar. 2014
 Nanotechnology Public Lecture, Feb. 2014
 Science Cafe, Prescott, Apr. 2012
 Downtown Science Public Lecture, Dec. 2011
 Science Cafe, Sep. 2010
 KUAT Wavelengths Television segment, Mar. 2010
 Let's Talk Science Lecture, Mar. 2009
 College of Science Public Lecture, Feb. 2009
 LHC public presentation, Sept. 2008 Physics Phun Night Presenter and MC, 2003, 2001

Local Activities

Campus Research Corporation Board of Directors, Vice Chair, 2023-present
 Agnese Nelms Haury Donor Advised Fund Board, 2023-present
 Arizona Alzheimer's Consortium Board of Directors, 2023-present
 Salpointe High School Board of Directors, 2017-2019
 Amphitheater School District STEM Core Committee, 2014-2015
 Salpointe High School Board of Directors Academic Committee, 2013-2019
 Arizona STEM Diploma Advisory member, 2013-2014

AZ SciTech Festival, Steering Committee, 2013-2019
 Tucson Festival of Books Steering Committee, 2012-2019
 Champions for Change Advisory Board, 2011-2013
 Tucson Values Teachers Teacher Appreciation Planning Committee, 2010-2014

University Committees

UA Climate Action Plan, 2023-present
 UA Steps in the Scholar Journey Mentor, 2022-present
 UA Undergraduate Research Task Force Steering Committee, 2022-present
 UA Biobanking Task Force, 2022-present
 UA-UAGC Academics Working Group, 2023
 UA Promotion and Tenure Policy Review Committee, 2021-2022
 University Strategic Planning and Budget Advisory Committee, 2020-present
 UA BIO5 Deans Advisory Board, 2019-2021
 UA Master Plan Steering Committee, 2019-present
 KEYS Advisory Board, 2019-2021
 UA Women in Science and Engineering Advisory Board, 2019-2021
 UA Athletics Strategic Planning group, 2019
 UA CRM Executive Sponsors Committee, 2019-present
 UAHS Strategic Planning Advisory Board, 2018-2019
 UA FTFT Retention Committee, chair (2019), 2019-present
 UA Net Tuition Revenue Committee, chair (2019), 2019-present
 UA Executive Director, OSFA, search committee, 2019
 UA General Education Reform Committee, chair, 2019
 UA Strategic Planning Steering Committee, co-chair, 2017-2019
 UA Resource Centered Management Budget 3-year Review Committee, 2017-2019
 UA Presents Student Engagement Committee, 2017-2019
 UA Deans Council, 2016-2017, 2019-2021
 Program Coordinator for Curricular Affairs search committee, 2016
 Assistant Director for Curricular Affairs search committee, 2016-2017
 WEES UA Advisory Committee, 2015-2018
 ORD Cores Advisory Committee, 2015-2017
 CESL International Advisory Board, 2015-2019
 Associate Deans for Research Council, 2015-2018, 2019
 Enrollment Management Council, 2014-2019
 UA Vitae Faculty Advisory Committee, 2013-2015
 100% Engagement Task Force, 2014
 Director of Community Relations Search committee, 2014
 College of SBS Associate Dean Search committee, 2014
 Resource Centered Management Budget Steering Committee, 2013-2015
 AAU STEM Advisory Committee, 2013-2015
 UA STEM Learning Center Advisory Board, chair, 2013-2019
 College of Science Senior Development Officer Search Committee, 2013
 Arizona Leadership Institute Advisory committee, 2012-2018
 Teacher Course Evaluation Advisory Group, 2012-2014
 College of Medicine Prerequisite committee, 2012-2013
 Strategic Priorities Faculty Initiative committee, 2011-2014
 Transfer Task Force, 2011-2014
 SBS Associate Dean Search committee, 2011
 Assistant Director of Employer Development Search committee, 2011
 P-20 Education Council of Southern Arizona, 2008-2013
 TRIF Workforce Development Subgroup, 2008-2014

Integrated Science Advisory Board, 2008-2013
 Assessment Coordinating Council, 2008-2015
 Mosaic Student Systems Advisory Group, 2009-2011
 Business Analytics Advisory Group, 2009-2011
 Honors College Advisory Board, 2008-2009
 University Budget Redesign Task Force, 2008-2009
 Student Affairs Policy committee, 2006-2008
 University of Arizona Graduate Representative, 1996-2003
 President, Asian American Faculty Staff and Alumni Association, 1999

Departmental Committees

Physics Department Recruitment, Inclusivity and Retention committee, 2022-present
 Physics Department Learning Assessment committee, 2019-2021
 Physics Department Outreach committee, 2010-2018
 Physics Department Undergraduate Curriculum committee, chair, 2006-2010, 2011
 Physics Department Undergraduate Curriculum committee, 2006-present
 Physics Department Graduate Curriculum committee, 2012-2013
 Physics Department Service Course committee, chair, 2006-2008
 Physics Department Executive committee, 2004-2008
 Physics Department Undergraduate Recruitment & Scholarships, 2003-2014
 Physics Department Undergraduate Recruitment & Scholarships, chair, 2010
 Physics Department Graduate Examinations, chair 2004-2006
 Physics Department Undergraduate Recruitment & Scholarships, 2003-2007
 Physics Department CAPE committee, 2002-2003.
 Physics Department Laboratory Equipment committee, 2002-2006.
 Physics Department Strategic Plan Committee, 2000-2001.
 Physics Department Library Committee, chair, 2000-2001.
 Physics Department Strategic Plan Committee, 2000-2001.
 Physics Department Library Committee, 1999-2004.
 Physics Department Academic Program Review, 1999-2000
 Physics Department Teaching Improvement and Evaluation Committee, 1997-2004.
 Physics Department Colloquium Committee, 1997-1998

Professional Activities

VPR representative, Hispanic Serving Research Universities, 2023-present
 SRO representative, Association of American Universities, 2023-present
 Council on Research, Association of Public and Land-Grant Universities, 2023-present
 Sigma Xi Honor Society, 2017-present
 NSF Quarknet Review Panel, 2001, 2004
 Reviewer DOE Proposals, 1999-present
 Editor, Proceedings of the Seventh International Conference on Calorimetry in High Energy Physics, 1997
 Local organizing committee for the Seventh International Conference on Calorimetry in High Energy Physics, Tucson, Arizona, 1996-1997
 Member, American Physical Society, 1986-present

Grants and Contracts

A percent effort of 20% indicates the grant is evenly shared by five researchers.

Experimental Elementary Particle Physics
 April 2023-March 2027
 \$ 3,242,285 (Department of Energy)

25% effort

MREFC: US ATLAS HL-LHC HTT UpGrade

April 2020-March 2025

\$647,195 (NSF)

33% effort

MREFC: US ATLAS HL-LHC LAR UpGrade

April 2020-March 2025

\$1,263,402 (NSF)

33% effort

Experimental Elementary Particle Physics

April 2019-March 2023

\$3,265,000 (Department of Energy)

25% effort

U.S. ATLAS Operations: Discovery and Measurement at the Energy Frontier

February 2017-April 2020

\$190,590 (NSF)

33% effort

Experimental Elementary Particle Physics

April 2016-March 2019

\$2,445,000 (Department of Energy)

25% effort

Cosmic Frontier Physics

April 2016-March 2019

\$50,000 (Department of Energy)

100% effort

Pilot Bridge Program in the Sciences

April 2015-June 2020

\$400,000 (Sherman Fairchild Foundation)

100% effort

Cosmic Frontier Physics

April 2014-March 2016

\$100,000 (Department of Energy)

100% effort

Experimental Elementary Particle Physics

May 2013-March 2016

\$2,410,000 (Department of Energy)

20% effort

Experimental Elementary Particle Physics

February 2010-January 2013

\$3,122,000 (Department of Energy)

20% effort

Large Synoptic Survey Telescope Power Supply Prototype

August 2009-August 2012

\$17,500 (SLAC National Accelerator Laboratory)

100% effort

Faculty Seed Grant

October 2008

\$600 (University of Arizona)

100% effort

Experimental Elementary Particle Physics

February 2007-January 2010

\$2,635,000 (Department of Energy)

20% effort

ATLAS CSC Muon M&O

March 2006-July 2007

\$45,000 (Department of Energy)

40% effort

ATLAS CSC Muon Calibration

March 2005-February 2006

\$21,000 (Department of Energy)

45% effort

Experimental Elementary Particle Physics

February 2004-January 2007

\$2,639,000 (Department of Energy)

20% effort

Experimental Elementary Particle Physics

February 2001-January 2004

\$2,415,000 (Department of Energy)

25% effort

University Travel Grant

November 2000

\$500 (University of Arizona)

100% effort

Experimental Elementary Particle Physics

February 1998-January 2001

\$1,971,000 (Department of Energy)

25% effort

KTeV Trigger Electronics

April 1998-April 1999

\$12,900 (Department of Energy)

100% effort

University Small Grant

June 1998-May 1999

\$4,960 (University of Arizona)

100% effort

Travel Grant

March 1999-December 1999

\$5,000 (Department of Energy)

100% effort

Experimental Elementary Particle Physics

February 1997-January 1998

\$507,000 (Department of Energy)

25% effort

List of Publications

1. Aad, G. *et al.* Beam-induced backgrounds measured in the ATLAS detector during local gas injection into the LHC beam vacuum. *JINST* **19**, P06014 (2024).
2. Aad, G. *et al.* Measurements of electroweak $W^\pm Z$ boson pair production in association with two jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **06**, 192 (2024).
3. Aad, G. *et al.* Measurement of vector boson production cross sections and their ratios using pp collisions at $s=13.6$ TeV with the ATLAS detector. *Phys. Lett. B* **854**, 138725 (2024).
4. Aad, G. *et al.* Measurement of t-channel production of single top quarks and antiquarks in pp collisions at 13 TeV using the full ATLAS Run 2 data sample. *JHEP* **05**, 305 (2024).
5. Aad, G. *et al.* Searches for exclusive Higgs boson decays into $D^*\gamma$ and Z boson decays into $D0\gamma$ and $Ks0\gamma$ in pp collisions at $s=13$ TeV with the ATLAS detector. *Phys. Lett. B* **855**, 138762 (2024).
6. Aad, G. *et al.* Search for high-mass resonances in final states with a τ -lepton and missing transverse momentum with the ATLAS detector. *Phys. Rev. D* **109**, 112008 (2024).
7. Aad, G. *et al.* Search for new particles in final states with a boosted top quark and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **05**, 263 (2024).
8. Aad, G. *et al.* Combination of searches for heavy spin-1 resonances using 139 fb^{-1} of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **04**, 118 (2024).
9. Hayrapetyan, A. *et al.* Combination of Measurements of the Top Quark Mass from Data Collected by the ATLAS and CMS Experiments at $s=7$ and 8 TeV. *Phys. Rev. Lett.* **132**, 261902 (2024).
10. Aad, G. *et al.* Performance of the ATLAS forward proton Time-of-Flight detector in Run 2. *JINST* **19**, P05054 (2024).
11. Aad, G. *et al.* ATLAS Run 2 searches for electroweak production of supersymmetric particles interpreted within the pMSSM. *JHEP* **05**, 106 (2024).
12. Aad, G. *et al.* Search for electroweak production of supersymmetric particles in final states with two τ -leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *JHEP* **05**, 150 (2024).
13. Aad, G. *et al.* Search for pair-production of vector-like quarks in lepton+jets final states containing at least one b-tagged jet using the Run 2 data from the ATLAS experiment. *Phys. Lett. B* **854**, 138743 (2024).
14. Aad, G. *et al.* A search for R-parity-violating supersymmetry in final states containing many jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **05**, 003 (2024).
15. Aad, G. *et al.* Search for pair production of higgsinos in events with two Higgs bosons and missing transverse momentum in $s=13$ TeV pp collisions at the ATLAS experiment. *Phys. Rev. D* **109**, 112011 (2024).
16. Aad, G. *et al.* Search for Nearly Mass-Degenerate Higgsinos Using Low-Momentum Mildly Displaced Tracks in pp Collisions at $s=13$ TeV with the ATLAS Detector. *Phys. Rev. Lett.* **132**, 221801 (2024).
17. Aad, G. *et al.* Search for new phenomena with top-quark pairs and large missing transverse momentum using 140 fb^{-1} of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **03**, 139 (2024).
18. Aad, G. *et al.* Combination of searches for pair-produced leptoquarks at $s=13$ TeV with the ATLAS detector. *Phys. Lett. B* **854**, 138736 (2024).
19. Aad, G. *et al.* The ATLAS trigger system for LHC Run 3 and trigger performance in 2022. *JINST* **19**, P06029 (2024).
20. Aad, G. *et al.* Measurement of the total and differential cross-sections of $t\bar{t}W$ production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **05**, 131 (2024).
21. Aad, G. *et al.* Search for Dark Photons in Rare Z Boson Decays with the ATLAS Detector. *Phys. Rev. Lett.* **131**, 251801 (2023).
22. Aad, G. *et al.* Measurement of the Higgs boson mass with $H \rightarrow \gamma\gamma$ decays in 140 fb^{-1} of $s=13$ TeV pp collisions with the ATLAS detector. *Phys. Lett. B* **847**, 138315 (2023).

23. Aad, G. *et al.* Search for magnetic monopoles and stable particles with high electric charges in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *JHEP* **11**, 112 (2023).
24. Aad, G. *et al.* Combined measurement of the Higgs boson mass from the $H \rightarrow \gamma\gamma$ and $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channels with the ATLAS detector using $\sqrt{s} = 7, 8$ and 13 TeV pp collision data. *Phys. Rev. Lett.* **131**, 251802 (2023).
25. Aad, G. *et al.* Measurement of the $B_s^0 \rightarrow \mu\mu$ effective lifetime with the ATLAS detector. *JHEP* **09**, 199 (2023).
26. Aad, G. *et al.* Pursuit of paired dijet resonances in the Run 2 dataset with ATLAS. *Phys. Rev. D* **108**, 112005 (2023).
27. Aad, G. *et al.* Search for a new heavy scalar particle decaying into a Higgs boson and a new scalar singlet in final states with one or two light leptons and a pair of τ -leptons with the ATLAS detector. *JHEP* **10**, 009 (2023).
28. Aad, G. *et al.* Anomaly detection search for new resonances decaying into a Higgs boson and a generic new particle X in hadronic final states using $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *Phys. Rev. D* **108**, 052009 (2023).
29. Aad, G. *et al.* Measurement of the cross-sections of the electroweak and total production of a $Z\gamma$ pair in association with two jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett. B* **846**, 138222 (2023).
30. Aad, G. *et al.* Measurements of multijet event isotropies using optimal transport with the ATLAS detector. *JHEP* **10**, 060 (2023).
31. Aad, G. *et al.* Search for leptoquarks decaying into the $b\tau$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **10**, 001 (2023).
32. Aad, G. *et al.* Search for Majorana neutrinos in same-sign WW scattering events from pp collisions at $\sqrt{s} = 13$ TeV. *Eur. Phys. J. C* **83**, 824 (2023).
33. Aad, G. *et al.* Search for dark matter produced in association with a Higgs boson decaying to tau leptons at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **09**, 189 (2023).
34. Aad, G. *et al.* Search for periodic signals in the dielectron and diphoton invariant mass spectra using 139 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **10**, 079 (2023).
35. Aad, G. *et al.* Search for single production of vector-like T quarks decaying into Ht or Zt in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **08**, 153 (2023).
36. Aad, G. *et al.* Search for pairs of muons with small displacements in pp collisions at $s=13$ TeV with the ATLAS detector. *Phys. Lett. B* **846**, 138172 (2023).
37. Aad, G. *et al.* Search for a new pseudoscalar decaying into a pair of muons in events with a top-quark pair at $s=13$ TeV with the ATLAS detector. *Phys. Rev. D* **108**, 092007 (2023).
38. Aad, G. *et al.* Performance of the reconstruction of large impact parameter tracks in the inner detector of ATLAS. *Eur. Phys. J. C* **83**, 1081 (2023).
39. Aad, G. *et al.* Search in diphoton and dielectron final states for displaced production of Higgs or Z bosons with the ATLAS detector in $s=13$ TeV pp collisions. *Phys. Rev. D* **108**, 012012 (2023).
40. Aad, G. *et al.* Search for high-mass $W\gamma$ and $Z\gamma$ resonances using hadronic W/Z boson decays from 139 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **07**, 125 (2023).
41. Aad, G. *et al.* Search for an axion-like particle with forward proton scattering in association with photon pairs at ATLAS. *JHEP* **07**, 234 (2023).
42. Aad, G. *et al.* Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with charged leptons and jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J. C* **83**, 1164 (2023).
43. Aad, G. *et al.* Observation of an Excess of Dicharmonium Events in the Four-Muon Final State with the ATLAS Detector. *Phys. Rev. Lett.* **131**, 151902 (2023).

44. Aad, G. *et al.* Fiducial and differential cross-section measurements for the vector-boson-fusion production of the Higgs boson in the $H \rightarrow WW^* \rightarrow e\nu\mu\nu$ decay channel at 13 TeV with the ATLAS detector. *Phys. Rev. D* **108**, 072003 (2023).
45. Aad, G. *et al.* Evidence of off-shell Higgs boson production from ZZ leptonic decay channels and constraints on its total width with the ATLAS detector. *Phys. Lett. B* **846**, 138223 (2023).
46. Aad, G. *et al.* New techniques for jet calibration with the ATLAS detector. *Eur. Phys. J. C* **83**, 761 (2023).
47. Aad, G. *et al.* Observation of four-top-quark production in the multilepton final state with the ATLAS detector. *Eur. Phys. J. C* **83**, 496 (2023).
48. Aad, G. *et al.* Inclusive and differential cross-sections for dilepton $t\bar{t}$ production measured in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *JHEP* **07**, 141 (2023).
49. Aad, G. *et al.* Search for heavy long-lived multi-charged particles in the full LHC Run 2 pp collision data at $s=13$ TeV using the ATLAS detector. *Phys. Lett. B* **847**, 138316 (2023).
50. Aad, G. *et al.* Comparison of inclusive and photon-tagged jet suppression in 5.02 TeV Pb+Pb collisions with ATLAS. *Phys. Lett. B* **846**, 138154 (2023).
51. Aad, G. *et al.* Search for excited τ -leptons and leptoquarks in the final state with τ -leptons and jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **06**, 199 (2023).
52. Aad, G. *et al.* Search for third-generation vector-like leptons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **07**, 118 (2023).
53. Aad, G. *et al.* Search for pair production of third-generation leptoquarks decaying into a bottom quark and a τ -lepton with the ATLAS detector. *Eur. Phys. J. C* **83**, 1075 (2023).
54. Aad, G. *et al.* Search for a light charged Higgs boson in $t \rightarrow H^\pm b$ decays, with $H^\pm \rightarrow cb$, in the lepton+jets final state in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **09**, 004 (2023).
55. Aad, G. *et al.* Searches for lepton-flavour-violating decays of the Higgs boson into $e\tau$ and $\mu\tau$ in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *JHEP* **07**, 166 (2023).
56. Aad, G. *et al.* Measurements of the suppression and correlations of dijets in Xe+Xe collisions at $s_{NN}=5.44$ TeV. *Phys. Rev. C* **108**, 024906 (2023).
57. Aad, G. *et al.* Observation of Single-Top-Quark Production in Association with a Photon Using the ATLAS Detector. *Phys. Rev. Lett.* **131**, 181901 (2023).
58. Aad, G. *et al.* Measurement of the production of a W boson in association with a charmed hadron in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev. D* **108**, 032012 (2023).
59. Aad, G. *et al.* Inclusive-photon production and its dependence on photon isolation in pp collisions at $\sqrt{s} = 13$ TeV using 139 fb^{-1} of ATLAS data. *JHEP* **07**, 086 (2023).
60. Aad, G. *et al.* Search for long-lived, massive particles in events with displaced vertices and multiple jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **2306**, 200 (2023).
61. Aad, G. *et al.* Search for flavor-changing neutral-current couplings between the top quark and the Z boson with proton-proton collisions at $s=13$ TeV with the ATLAS detector. *Phys. Rev. D* **108**, 032019 (2023).
62. Aad, G. *et al.* Model-independent search for the presence of new physics in events including $H \rightarrow \gamma\gamma$ with $\sqrt{s} = 13$ TeV pp data recorded by the ATLAS detector at the LHC. *JHEP* **07**, 176 (2023).
63. Aad, G. *et al.* Search for exclusive Higgs and Z boson decays to $\omega\gamma$ and Higgs boson decays to $K^*\gamma$ with the ATLAS detector. *Phys. Lett. B* **847**, 138292 (2023).
64. Aad, G. *et al.* Search for a new Z' gauge boson in 4μ events with the ATLAS experiment. *JHEP* **07**, 090 (2023).
65. Aad, G. *et al.* Determination of the strong coupling constant from transverse energy–energy correlations in multijet events at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **07**, 085 (2023).
66. Aad, G. *et al.* Measurements of differential cross sections of Higgs boson production through gluon fusion in the $H \rightarrow WW^* \rightarrow e\nu\mu\nu$ final state at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J. C* **83**, 774 (2023).

67. Aad, G. *et al.* Calibration of the light-flavour jet mistagging efficiency of the b-tagging algorithms with Z+jets events using 139 fb^{-1} of ATLAS proton–proton collision data at $\sqrt{s} = 13 \text{ TeV}$. *Eur. Phys. J. C* **83**, 728 (2023).
68. Aad, G. *et al.* Measurement of Suppression of Large-Radius Jets and Its Dependence on Substructure in Pb+Pb Collisions at $\sqrt{s_{NN}}=5.02 \text{ TeV}$ with the ATLAS Detector. *Phys. Rev. Lett.* **131**, 172301 (2023).
69. Aad, G. *et al.* Search for a new scalar resonance in flavour-changing neutral-current top-quark decays $t \rightarrow qX$ ($q = u, c$), with $X \rightarrow b\bar{b}$, in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. *JHEP* **07**, 199 (2023).
70. Aad, G. *et al.* Search for leptonic charge asymmetry in $t\bar{t}W$ production in final states with three leptons at $\sqrt{s} = 13 \text{ TeV}$. *JHEP* **07**, 033 (2023).
71. Aad, G. *et al.* Search for nonresonant pair production of Higgs bosons in the $b\bar{b}b\bar{b}$ final state in pp collisions at $\sqrt{s}=13 \text{ TeV}$ with the ATLAS detector. *Phys. Rev. D* **108**, 052003 (2023).
72. Aad, G. *et al.* Measurement of the charge asymmetry in top-quark pair production in association with a photon with the ATLAS experiment. *Phys. Lett. B* **843**, 137848 (2023).
73. Aad, G. *et al.* Luminosity determination in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector at the LHC. *Eur. Phys. J. C* **83**, 982 (2023).
74. Aad, G. *et al.* Search for dark photons from Higgs boson decays via ZH production with a photon plus missing transverse momentum signature from pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. *JHEP* **07**, 133 (2023).
75. Aad, G. *et al.* Measurements of $Z\gamma$ +jets differential cross sections in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. *JHEP* **07**, 072 (2023).
76. Aad, G. *et al.* Studies of the muon momentum calibration and performance of the ATLAS detector with pp collisions at $\sqrt{s} = 13 \text{ TeV}$. *Eur. Phys. J. C* **83**, 686 (2023).
77. Aad, G. *et al.* Measurement of the CP properties of Higgs boson interactions with τ -leptons with the ATLAS detector. *Eur. Phys. J. C* **83**, 563 (2023).
78. Aad, G. *et al.* Search for pair-produced vector-like top and bottom partners in events with large missing transverse momentum in pp collisions with the ATLAS detector. *Eur. Phys. J. C* **83**, 719 (2023).
79. Aad, G. *et al.* Measurement of exclusive pion pair production in proton–proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. *Eur. Phys. J. C* **83**, 627 (2023).
80. Aaboud, M. *et al.* Measurement of the inclusive $t\bar{t}$ production cross section in the lepton+jets channel in pp collisions at $\sqrt{s}=7 \text{ TeV}$ with the ATLAS detector using support vector machines. *Phys. Rev. D* **108**, 032014 (2023).
81. Aad, G. *et al.* Tools for estimating fake/non-prompt lepton backgrounds with the ATLAS detector at the LHC. *JINST* **18**, T11004 (2023).
82. Aad, G. *et al.* Charged-hadron production in pp , $p+\text{Pb}$, $\text{Pb}+\text{Pb}$, and $\text{Xe}+\text{Xe}$ collisions at $\sqrt{s_{NN}} = 5 \text{ TeV}$ with the ATLAS detector at the LHC. *JHEP* **07**, 074 (2023).
83. Aad, G. *et al.* Measurement of $Z\gamma\gamma$ production in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. *Eur. Phys. J. C* **83**, 539 (2023).
84. Aad, G. *et al.* ATLAS flavour-tagging algorithms for the LHC Run 2 pp collision dataset. *Eur. Phys. J. C* **83**, 681 (2023).
85. Aad, G. *et al.* Search for dark matter produced in association with a single top quark and an energetic W boson in $\sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector. *Eur. Phys. J. C* **83**, 603 (2023).
86. Aad, G. *et al.* Measurement of substructure-dependent jet suppression in Pb+Pb collisions at 5.02 TeV with the ATLAS detector. *Phys. Rev. C* **107**, 054909 (2023).
87. Aad, G. *et al.* Observation of gauge boson joint-polarisation states in $W\pm Z$ production from pp collisions at $\sqrt{s}=13 \text{ TeV}$ with the ATLAS detector. *Phys. Lett. B* **843**, 137895 (2023).

88. Aad, G. *et al.* Search for new phenomena in multi-body invariant masses in events with at least one isolated lepton and two jets using $\sqrt{s} = 13$ TeV proton–proton collision data collected by the ATLAS detector. *JHEP* **07**, 202 (2023).
89. Aad, G. *et al.* Search for supersymmetry in final states with missing transverse momentum and three or more b-jets in 139 fb^{-1} of proton–proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J. C* **83**, 561 (2023).
90. Aad, G. *et al.* Search for doubly charged Higgs boson production in multi-lepton final states using 139 fb^{-1} of proton–proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J. C* **83**, 605 (2023).
91. Aad, G. *et al.* Search for dark matter produced in association with a dark Higgs boson decaying into W^+W^- in the one-lepton final state at $\sqrt{s}=13$ TeV using 139 fb^{-1} of pp collisions recorded with the ATLAS detector. *JHEP* **07**, 116 (2023).
92. Aad, G. *et al.* Constraints on spin-0 dark matter mediators and invisible Higgs decays using ATLAS 13 TeV pp collision data with two top quarks and missing transverse momentum in the final state. *Eur. Phys. J. C* **83**, 503 (2023).
93. Aad, G. *et al.* Search for boosted diphoton resonances in the 10 to 70 GeV mass range using 138 fb^{-1} of 13 TeV pp collisions with the ATLAS detector. *JHEP* **07**, 155 (2023).
94. Aad, G. *et al.* A search for heavy Higgs bosons decaying into vector bosons in same-sign two-lepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **07**, 200 (2023).
95. Aad, G. *et al.* Search for $t\bar{t}H/A \rightarrow t\bar{t}\tau\tau$ production in the multilepton final state in proton–proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **07**, 203 (2023).
96. Aad, G. *et al.* Constraints on the Higgs boson self-coupling from single- and double-Higgs production with the ATLAS detector using pp collisions at $s=13$ TeV. *Phys. Lett. B* **843**, 137745 (2023).
97. Aad, G. *et al.* Search for pair-production of vector-like quarks in pp collision events at $s=13$ TeV with at least one leptonically decaying Z boson and a third-generation quark with the ATLAS detector. *Phys. Lett. B* **843**, 138019 (2023).
98. Aad, G. *et al.* Search for Higgs boson pair production in association with a vector boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J. C* **83**, 519 (2023).
99. Aad, G. *et al.* Search for pair-produced scalar and vector leptoquarks decaying into third-generation quarks and first- or second-generation leptons in pp collisions with the ATLAS detector. *JHEP* **2306**, 188 (2023).
100. Aad, G. *et al.* A search for new resonances in multiple final states with a high transverse momentum Z boson in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *JHEP* **06**, 036 (2023).
101. Aad, G. *et al.* Measurement of the polarisation of W bosons produced in top-quark decays using dilepton events at $s=13$ TeV with the ATLAS experiment. *Phys. Lett. B* **843**, 137829 (2023).
102. Aad, G. *et al.* Search for direct pair production of sleptons and charginos decaying to two leptons and neutralinos with mass splittings near the W -boson mass in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *JHEP* **06**, 031 (2023).
103. Aad, G. *et al.* Search for resonant and non-resonant Higgs boson pair production in the $b\bar{b}\tau^+\tau^-$ decay channel using 13 TeV pp collision data from the ATLAS detector. *JHEP* **07**, 040 (2023).
104. Aad, G. *et al.* Measurement of single top-quark production in the s -channel in proton–proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **06**, 191 (2023).
105. Aad, G. *et al.* Measurements of observables sensitive to colour reconnection in $t\bar{t}$ events with the ATLAS detector at $\sqrt{s} = 13$ TeV. *Eur. Phys. J. C* **83**, 518 (2023).
106. Aad, G. *et al.* Search for displaced photons produced in exotic decays of the Higgs boson using 13 TeV pp collisions with the ATLAS detector. *Phys. Rev. D* **108**, 032016 (2023).
107. Aad, G. *et al.* Measurement of the top-quark mass using a leptonic invariant mass in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **06**, 019 (2023).
108. Aad, G. *et al.* Measurement of electroweak $Z(\nu\bar{\nu})\gamma jj$ production and limits on anomalous quartic gauge couplings in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **06**, 082 (2023).

109. Aad, G. *et al.* Evidence for the charge asymmetry in $pp \rightarrow t\bar{t}$ production at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **08**, 077 (2023).
110. Aad, G. *et al.* Search for flavour-changing neutral current interactions of the top quark and the Higgs boson in events with a pair of τ -leptons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **2306**, 155 (2023).
111. Aad, G. *et al.* Searches for exclusive Higgs and Z boson decays into a vector quarkonium state and a photon using 139 fb⁻¹ of ATLAS $\sqrt{s} = 13$ TeV proton–proton collision data. *Eur. Phys. J. C* **83**, 781 (2023).
112. Aad, G. *et al.* Test of CP Invariance in Higgs Boson Vector-Boson-Fusion Production Using the $H \rightarrow \gamma\gamma$ Channel with the ATLAS Detector. *Phys. Rev. Lett.* **131**, 061802 (2023).
113. Aad, G. *et al.* Exclusive dielectron production in ultraperipheral Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ATLAS. *JHEP* **2306**, 182 (2023).
114. Aad, G. *et al.* Measurement of the total cross section and ρ -parameter from elastic scattering in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J. C* **83**, 441 (2023).
115. Aad, G. *et al.* Measurement of the total and differential Higgs boson production cross-sections at $\sqrt{s} = 13$ TeV with the ATLAS detector by combining the $H \rightarrow ZZ^* \rightarrow 4\ell$ and $H \rightarrow \gamma\gamma$ decay channels. *JHEP* **05**, 028 (2023).
116. Aad, G. *et al.* Search for resonant WZ production in the fully leptonic final state in proton–proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J. C* **83**, 633 (2023).
117. Aad, G. *et al.* Measurement of the $t\bar{t}$ production cross-section in pp collisions at $\sqrt{s} = 5.02$ TeV with the ATLAS detector. *JHEP* **06**, 138 (2023).
118. Aad, G. *et al.* Search for heavy resonances decaying into a Z or W boson and a Higgs boson in final states with leptons and b-jets in 139 fb⁻¹ of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **06**, 016 (2023).
119. Aad, G. *et al.* Measurements of Higgs boson production by gluon-gluon fusion and vector-boson fusion using $H \rightarrow WW^* \rightarrow e\nu\mu\nu$ decays in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev. D* **108**, 032005 (2023).
120. Aad, G. *et al.* Measurement of the properties of Higgs boson production at $\sqrt{s} = 13$ TeV in the $H \rightarrow \gamma\gamma$ channel using 139 fb⁻¹ of pp collision data with the ATLAS experiment. *JHEP* **07**, 088 (2023).
121. Aad, G. *et al.* Measurement of the Higgs boson mass in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel using 139 fb⁻¹ of $\sqrt{s} = 13$ TeV pp collisions recorded by the ATLAS detector at the LHC. *Phys. Lett. B* **843**, 137880 (2023).
122. Aad, G. *et al.* Measurements of W^+W^- production in decay topologies inspired by searches for electroweak supersymmetry. *Eur. Phys. J. C* **83**, 718 (2023).
123. Aad, G. *et al.* Measurement of muon pairs produced via $\gamma\gamma$ scattering in nonultraperipheral Pb+Pb collisions at $s_{NN}=5.02$ TeV with the ATLAS detector. *Phys. Rev. C* **107**, 054907 (2023).
124. Aad, G. *et al.* Search for light long-lived neutral particles that decay to collimated pairs of leptons or light hadrons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **06**, 153 (2023).
125. Aad, G. *et al.* Search for new phenomena in final states with photons, jets and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **07**, 021 (2023).
126. Aad, G. *et al.* Strong Constraints on Jet Quenching in Centrality-Dependent p+Pb Collisions at 5.02 TeV from ATLAS. *Phys. Rev. Lett.* **131**, 072301 (2023).
127. Aad, G. *et al.* Combination of inclusive top-quark pair production cross-section measurements using ATLAS and CMS data at $\sqrt{s} = 7$ and 8 TeV. *JHEP* **07**, 213 (2023).
128. Aad, G. *et al.* Search for heavy, long-lived, charged particles with large ionisation energy loss in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS experiment and the full Run 2 dataset. *JHEP* **2306**, 158 (2023).
129. Aad, G. *et al.* Production of $\Upsilon(nS)$ mesons in Pb+Pb and pp collisions at 5.02 TeV. *Phys. Rev. C* **107**, 054912 (2023).

130. Aad, G. *et al.* Search for flavour-changing neutral-current couplings between the top quark and the photon with the ATLAS detector at $\sqrt{s}=13$ TeV. *Phys. Lett. B* **842**, 137379 (2023).
131. Aad, G. *et al.* Cross-section measurements for the production of a Z boson in association with high-transverse-momentum jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **06**, 080 (2023).
132. Aad, G. *et al.* Differential $t\bar{t}$ cross-section measurements using boosted top quarks in the all-hadronic final state with 139 fb^{-1} of ATLAS data. *JHEP* **04**, 080 (2023).
133. Aad, G. *et al.* Measurements of the suppression and correlations of dijets in Pb+Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. *Phys. Rev. C* **107**, 054908 (2023).
134. Aad, G. *et al.* Correlations between flow and transverse momentum in Xe+Xe and Pb+Pb collisions at the LHC with the ATLAS detector: A probe of the heavy-ion initial state and nuclear deformation. *Phys. Rev. C* **107**, 054910 (2023).
135. Aad, G. *et al.* Observation of the $\gamma\gamma \rightarrow \tau\tau$ Process in Pb+Pb Collisions and Constraints on the τ -Lepton Anomalous Magnetic Moment with the ATLAS Detector. *Phys. Rev. Lett.* **131**, 151802 (2023).
136. Aad, G. *et al.* Measurement of the nuclear modification factor of b -jets in 5.02 TeV Pb+Pb collisions with the ATLAS detector. *Eur. Phys. J. C* **83**, 438 (2023).
137. Aad, G. *et al.* Searches for new phenomena in events with two leptons, jets, and missing transverse momentum in 139 fb^{-1} of $\sqrt{s} = 13$ TeV $\bar{p}p$ collisions with the ATLAS detector. *Eur. Phys. J. C* **83**, 515 (2023).
138. Aad, G. *et al.* Search for Heavy Neutral Leptons in Decays of W Bosons Using a Dilepton Displaced Vertex in $\sqrt{s}=13$ TeV pp Collisions with the ATLAS Detector. *Phys. Rev. Lett.* **131**, 061803 (2023).
139. Aad, G. *et al.* Search for the charged-lepton-flavor-violating decay $Z \rightarrow e\mu$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev. D* **108**, 032015 (2023).
140. Aad, G. *et al.* Observation of electroweak production of two jets and a Z-boson pair. *Nature Phys.* **19**, 237–253 (2023).
141. Aad, G. *et al.* Study of $B_c^+ \rightarrow J/\psi D_s^+$ and $B_c^+ \rightarrow J/\psi D_s^{*+}$ decays in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **08**, 087 (2022).
142. Aad, G. *et al.* Search for neutral long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV that decay into displaced hadronic jets in the ATLAS calorimeter. *JHEP* **06**, 005 (2022).
143. Aad, G. *et al.* Search for events with a pair of displaced vertices from long-lived neutral particles decaying into hadronic jets in the ATLAS muon spectrometer in pp collisions at $\sqrt{s}=13$ TeV. *Phys. Rev. D* **106**, 032005 (2022).
144. Aad, G. *et al.* Measurements of jet observables sensitive to b-quark fragmentation in $t\bar{t}$ events at the LHC with the ATLAS detector. *Phys. Rev. D* **106**, 032008 (2022).
145. Aad, G. *et al.* Measurements of differential cross-sections in top-quark pair events with a high transverse momentum top quark and limits on beyond the Standard Model contributions to top-quark pair production with the ATLAS detector at $\sqrt{s} = 13$ TeV. *JHEP* **06**, 063 (2022).
146. Aad, G. *et al.* Measurement of the polarisation of single top quarks and antiquarks produced in the t-channel at $\sqrt{s} = 13$ TeV and bounds on the tWb dipole operator from the ATLAS experiment. *JHEP* **11**, 040 (2022).
147. Aad, G. *et al.* Search for invisible Higgs-boson decays in events with vector-boson fusion signatures using 139 fb^{-1} of proton-proton data recorded by the ATLAS experiment. *JHEP* **08**, 104 (2022).
148. Aad, G. *et al.* Search for resonant pair production of Higgs bosons in the $b\bar{b}b\bar{b}$ final state using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev. D* **105**, 092002 (2022).
149. Aad, G. *et al.* Search for type-III seesaw heavy leptons in leptonic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J. C* **82**, 988 (2022).
150. Aad, G. *et al.* Two-particle Bose–Einstein correlations in pp collisions at $\sqrt{s} = 13$ TeV measured with the ATLAS detector at the LHC. *Eur. Phys. J. C* **82**, 608 (2022).

151. Aad, G. *et al.* Measurements of the Higgs boson inclusive and differential fiducial cross-sections in the diphoton decay channel with pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **08**, 027 (2022).
152. Aad, G. *et al.* Observation of WWW Production in pp Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector. *Phys. Rev. Lett.* **129**, 061803 (2022).
153. Aad, G. *et al.* Direct constraint on the Higgs-charm coupling from a search for Higgs boson decays into charm quarks with the ATLAS detector. *Eur. Phys. J. C* **82**, 717 (2022).
154. Aad, G. *et al.* Measurements of Higgs boson production cross-sections in the $H \rightarrow \tau^+\tau^-$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **08**, 175 (2022).
155. Aad, G. *et al.* Search for single production of a vectorlike T quark decaying into a Higgs boson and top quark with fully hadronic final states using the ATLAS detector. *Phys. Rev. D* **105**, 092012 (2022).
156. Aad, G. *et al.* Search for long-lived charginos based on a disappearing-track signature using 136 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J. C* **82**, 606 (2022).
157. Aad, G. *et al.* Search for Higgs boson pair production in the two bottom quarks plus two photons final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev. D* **106**, 052001 (2022).
158. Aad, G. *et al.* Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\sqrt{s} = 7, 8$ and 13 TeV. *Eur. Phys. J. C* **82**, 438 (2022).
159. Aad, G. *et al.* Modelling and computational improvements to the simulation of single vector-boson plus jet processes for the ATLAS experiment. *JHEP* **08**, 089 (2022).
160. Aad, G. *et al.* A search for an unexpected asymmetry in the production of $e+\mu^-$ and $e-\mu^+$ pairs in proton-proton collisions recorded by the ATLAS detector at $s=13$ TeV. *Phys. Lett. B* **830**, 137106 (2022).
161. Aad, G. *et al.* Search for flavour-changing neutral-current interactions of a top quark and a gluon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J. C* **82**, 334 (2022).
162. Aad, G. *et al.* Search for associated production of a Z boson with an invisibly decaying Higgs boson or dark matter candidates at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett. B* **829**, 137066 (2022).
163. Aad, G. *et al.* Constraints on Higgs boson production with large transverse momentum using $H \rightarrow b\bar{b}$ decays in the ATLAS detector. *Phys. Rev. D* **105**, 092003 (2022).
164. Aad, G. *et al.* Measurements of azimuthal anisotropies of jet production in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. *Phys. Rev. C* **105**, 064903 (2022).
165. Aad, G. *et al.* Measurement of Higgs boson decay into b -quarks in associated production with a top-quark pair in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **06**, 097 (2022).
166. Aad, G. *et al.* Measurement of the energy asymmetry in $t\bar{t}j$ production at 13 TeV with the ATLAS experiment and interpretation in the SMEFT framework. *Eur. Phys. J. C* **82**, 374 (2022).
167. Aad, G. *et al.* Constraints on Higgs boson properties using $WW^*(\rightarrow e\nu\mu\nu)jj$ production in 36.1 fb^{-1} of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *Eur. Phys. J. C* **82**, 622 (2022).
168. Aad, G. *et al.* Measurement of the nuclear modification factor for muons from charm and bottom hadrons in Pb+Pb collisions at 5.02 TeV with the ATLAS detector. *Phys. Lett. B* **829**, 137077 (2022).
169. Aad, G. *et al.* Search for lepton-flavor-violation in Z -boson decays with τ -leptons with the ATLAS detector. *Phys. Rev. Lett.* **127**, 271801 (2022).
170. Aad, G. *et al.* Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. *Eur. Phys. J. C* **76**. [Erratum: *Eur.Phys.J.C* 82, 70 (2022)], 55 (2016).
171. Aad, G. *et al.* Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with 139 fb^{-1} of pp collision data at $\sqrt{s} = 13$ TeV. *JHEP* **03**, 041 (2022).
172. Aad, G. *et al.* Search for Higgs boson decays into a pair of pseudoscalar particles in the $b\bar{b}\mu\mu$ final state with the ATLAS detector in pp collisions at $\sqrt{s}=13$ TeV. *Phys. Rev. D* **105**, 012006 (2022).

173. Aad, G. *et al.* Measurement of the c-jet mistagging efficiency in $t\bar{t}$ events using pp collision data at $\sqrt{s} = 13$ TeV collected with the ATLAS detector. *Eur. Phys. J. C* **82**, 95 (2022).
174. Aad, G. *et al.* Search for exotic decays of the Higgs boson into $b\bar{b}$ and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **01**, 063 (2022).
175. Aad, G. *et al.* Operation and performance of the ATLAS semiconductor tracker in LHC Run 2. *JINST* **17**, P01013 (2022).
176. Aad, G. *et al.* AtlFast3: the next generation of fast simulation in ATLAS. *Comput. Softw. Big Sci.* **6**, 7 (2022).
177. Aad, G. *et al.* Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at 13 TeV with the ATLAS detector. *Eur. Phys. J. C* **82**, 105 (2022).
178. Aad, G. *et al.* Search for dark matter produced in association with a Standard Model Higgs boson decaying into b-quarks using the full Run 2 dataset from the ATLAS detector. *JHEP* **11**, 209 (2021).
179. Aad, G. *et al.* Measurement of b-quark fragmentation properties in jets using the decay $B^\pm \rightarrow J/\psi K^\pm$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **12**, 131 (2021).
180. Aad, G. *et al.* Search for heavy particles in the b-tagged dijet mass distribution with additional b-tagged jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment. *Phys. Rev. D* **105**, 012001 (2022).
181. Aad, G. *et al.* Measurement of the energy response of the ATLAS calorimeter to charged pions from $W^\pm \rightarrow \tau^\pm(\rightarrow \pi^\pm\nu_\tau)\nu_\tau$ events in Run 2 data. *Eur. Phys. J. C* **82**, 223 (2022).
182. Aad, G. *et al.* Search for charginos and neutralinos in final states with two boosted hadronically decaying bosons and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev. D* **104**, 112010 (2021).
183. Aad, G. *et al.* Search for new phenomena in pp collisions in final states with tau leptons, b-jets, and missing transverse momentum with the ATLAS detector. *Phys. Rev. D* **104**, 112005 (2021).
184. Aad, G. *et al.* Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. *JHEP* **11**, 169 (2021).
185. Aad, G. *et al.* Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV using displaced vertices in the ATLAS inner detector. *JHEP* **11**, 229 (2021).
186. Aad, G. *et al.* The ATLAS inner detector trigger performance in pp collisions at 13 TeV during LHC Run 2. *Eur. Phys. J. C* **82**, 206 (2022).
187. Aad, G. *et al.* Search for new phenomena in three- or four-lepton events in pp collisions at $s = 13$ TeV with the ATLAS detector. *Phys. Lett. B* **824**, 136832 (2022).
188. Aad, G. *et al.* Measurement of the $t\bar{t}t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **11**, 118 (2021).
189. Aad, G. *et al.* Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using $\sqrt{s} = 13$ TeV proton-proton collision data. *Eur. Phys. J. C* **81**, 1023 (2021).
190. Aad, G. *et al.* Measurements of sensor radiation damage in the ATLAS inner detector using leakage currents. *JINST* **16**, P08025 (2021).
191. Aad, G. *et al.* Configuration and performance of the ATLAS b-jet triggers in Run 2. *Eur. Phys. J. C* **81**, 1087 (2021).
192. Aad, G. *et al.* Search for chargino-neutralino pair production in final states with three leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *Eur. Phys. J. C* **81**, 1118 (2021).
193. Aad, G. *et al.* Search for New Phenomena in Final States with Two Leptons and One or No b-Tagged Jets at $\sqrt{s} = 13$ TeV Using the ATLAS Detector. *Phys. Rev. Lett.* **127**, 141801 (2021).

194. Aad, G. *et al.* Performance of the ATLAS Level-1 topological trigger in Run 2. *Eur. Phys. J. C* **82**, 7 (2022).
195. Aad, G. *et al.* Search for dark matter in events with missing transverse momentum and a Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **10**, 013 (2021).
196. Aad, G. *et al.* A search for the decays of stopped long-lived particles at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **07**, 173 (2021).
197. Aad, G. *et al.* Measurements of the inclusive and differential production cross sections of a top-quark–antiquark pair in association with a Z boson at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J. C* **81**, 737 (2021).
198. Aad, G. *et al.* Search for supersymmetry in events with four or more charged leptons in 139 fb^{-1} of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *JHEP* **07**, 167 (2021).
199. Aad, G. *et al.* Evidence for Higgs boson decays to a low-mass dilepton system and a photon in pp collisions at $s=13$ TeV with the ATLAS detector. *Phys. Lett. B* **819**, 136412 (2021).
200. Aad, G. *et al.* Measurements of $W^+W^- + \geq 1$ jet production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **06**, 003 (2021).
201. Aad, G. *et al.* Search for bottom-squark pair production in pp collision events at $\sqrt{s} = 13$ TeV with hadronically decaying τ -leptons, b -jets and missing transverse momentum using the ATLAS detector. *Phys. Rev. D* **104**, 032014 (2021).
202. Aad, G. *et al.* Measurements of differential cross-sections in four-lepton events in 13 TeV proton-proton collisions with the ATLAS detector. *JHEP* **07**, 005 (2021).
203. Aad, G. *et al.* Search for resonances decaying into photon pairs in 139 fb^{-1} of pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. *Phys. Lett. B* **822**, 136651 (2021).
204. Aad, G. *et al.* Performance of the ATLAS RPC detector and Level-1 muon barrel trigger at $\sqrt{s} = 13$ TeV. *JINST* **16**, P07029 (2021).
205. Aad, G. *et al.* Search for new phenomena in events with an energetic jet and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev. D* **103**, 112006 (2021).
206. Aad, G. *et al.* Search for charged Higgs bosons decaying into a top quark and a bottom quark at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **06**, 145 (2021).
207. Aad, G. *et al.* Emulating the impact of additional proton–proton interactions in the ATLAS simulation by presampling sets of inelastic Monte Carlo events. *Comput. Softw. Big Sci.* **6**, 3 (2022).
208. Aad, G. *et al.* Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **04**, 165 (2021).
209. Aad, G. *et al.* Search for new phenomena in final states with b -jets and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *JHEP* **05**, 093 (2021).
210. Aad, G. *et al.* Search for doubly and singly charged Higgs bosons decaying into vector bosons in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV. *JHEP* **06**, 146 (2021).
211. Aad, G. *et al.* Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a τ -lepton in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **06**, 179 (2021).
212. Aad, G. *et al.* Two-particle azimuthal correlations in photonuclear ultraperipheral Pb+Pb collisions at 5.02 TeV with ATLAS. *Phys. Rev. C* **104**, 014903 (2021).
213. Aad, G. *et al.* Determination of the parton distribution functions of the proton from ATLAS measurements of differential W^\pm and Z boson production in association with jets. *JHEP* **07**, 223 (2021).
214. Aad, G. *et al.* The ATLAS Fast TracKer system. *JINST* **16**, P07006 (2021).
215. Aad, G. *et al.* Search for squarks and gluinos in final states with one isolated lepton, jets, and missing transverse momentum at $\sqrt{s} = 13$ with the ATLAS detector. *Eur. Phys. J. C* **81**. [Erratum: *Eur.Phys.J.C* **81**, 956 (2021)], 600 (2021).

216. Aad, G. *et al.* Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **04**, 174 (2021).
217. Aad, G. *et al.* Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at $\sqrt{s} = 13$ TeV. *Eur. Phys. J. C* **81**, 578 (2021).
218. Aad, G. *et al.* Exclusive dimuon production in ultraperipheral Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ATLAS. *Phys. Rev. C* **104**, 024906 (2021).
219. Aad, G. *et al.* Search for trilepton resonances from chargino and neutralino pair production in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *Phys. Rev. D* **103**, 112003 (2021).
220. Aad, G. *et al.* Search for dark matter produced in association with a single top quark in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *Eur. Phys. J. C* **81**, 860 (2021).
221. Aad, G. *et al.* Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $\sqrt{s} = 13$ TeV. *Eur. Phys. J. C* **81**, 537 (2021).
222. Aad, G. *et al.* Search for Displaced Leptons in $\sqrt{s} = 13$ TeV pp Collisions with the ATLAS Detector. *Phys. Rev. Lett.* **127**, 051802 (2021).
223. Aad, G. *et al.* Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $\ell\ell b\bar{b}$ and $\ell\ell WW$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J. C* **81**, 396 (2021).
224. Aad, G. *et al.* Search for dark matter in association with an energetic photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **02**, 226 (2021).
225. Aad, G. *et al.* Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb^{-1} of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. *JHEP* **02**, 143 (2021).
226. Aad, G. *et al.* Search for Higgs boson production in association with a high-energy photon via vector-boson fusion with decay into bottom quark pairs at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **03**, 268 (2021).
227. Aad, G. *et al.* Search for Dark Matter Produced in Association with a Dark Higgs Boson Decaying into $W^{\pm}W^{\mp}$ or ZZ in Fully Hadronic Final States from $\sqrt{s} = 13$ TeV pp Collisions Recorded with the ATLAS Detector. *Phys. Rev. Lett.* **126**, 121802 (2021).
228. Aad, G. *et al.* Observation of photon-induced $W^{+}W^{-}$ production in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. *Phys. Lett. B* **816**, 136190 (2021).
229. Aad, G. *et al.* Search for charged-lepton-flavour violation in Z-boson decays with the ATLAS detector. *Nature Phys.* **17**, 819–825 (2021).
230. Aad, G. *et al.* Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in proton–proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J. C* **81**, 313 (2021).
231. Aad, G. *et al.* Search for phenomena beyond the Standard Model in events with large b -jet multiplicity using the ATLAS detector at the LHC. *Eur. Phys. J. C* **81**. [Erratum: *Eur.Phys.J.C* 81, 249 (2021)], 11 (2021).
232. Aad, G. *et al.* Search for heavy resonances decaying into a pair of Z bosons in the $\ell^{+}\ell^{-}\ell'^{+}\ell'^{-}$ and $\ell^{+}\ell^{-}\nu\bar{\nu}$ final states using 139 fb^{-1} of proton–proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J. C* **81**, 332 (2021).
233. Aad, G. *et al.* Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton–proton collisions. *Eur. Phys. J. C* **81**, 334 (2021).
234. Aad, G. *et al.* Medium-Induced Modification of Z-Tagged Charged Particle Yields in $Pb + Pb$ Collisions at 5.02 TeV with the ATLAS Detector. *Phys. Rev. Lett.* **126**, 072301 (2021).
235. Aad, G. *et al.* Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J. C* **81**, 218 (2021).

236. Aad, G. *et al.* Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb^{-1} of Pb+Pb data with the ATLAS detector. *JHEP* **11**, 050 (2021).
237. Aad, G. *et al.* Measurement of the associated production of a Higgs boson decaying into b -quarks with a vector boson at high transverse momentum in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. *Phys. Lett. B* **816**, 136204 (2021).
238. Aad, G. *et al.* Test of the universality of τ and μ lepton couplings in W -boson decays with the ATLAS detector. *Nature Phys.* **17**, 813–818 (2021).
239. Aad, G. *et al.* Measurement of hadronic event shapes in high- p_T multijet final states at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. *JHEP* **01**. [Erratum: *JHEP* 12, 053 (2021)], 188 (2021).
240. Aad, G. *et al.* A search for the dimuon decay of the Standard Model Higgs boson with the ATLAS detector. *Phys. Lett. B* **812**, 135980 (2021).
241. Aad, G. *et al.* Jet energy scale and resolution measured in proton–proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. *Eur. Phys. J. C* **81**, 689 (2021).
242. Aad, G. *et al.* Measurements of WH and ZH production in the $H \rightarrow b\bar{b}$ decay channel in pp collisions at 13 TeV with the ATLAS detector. *Eur. Phys. J. C* **81**, 178 (2021).
243. Aad, G. *et al.* Measurement of single top-quark production in association with a W boson in the single-lepton channel at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. *Eur. Phys. J. C* **81**, 720 (2021).
244. Aad, G. *et al.* Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton–proton collisions at ATLAS. *Eur. Phys. J. C* **81**, 163 (2021).
245. Aad, G. *et al.* Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. *JHEP* **11**. [Erratum: *JHEP* 04, 142 (2021)], 005 (2020).
246. Aad, G. *et al.* Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector. *JHEP* **01**, 033 (2021).
247. Aad, G. *et al.* Higgs boson production cross-section measurements and their EFT interpretation in the 4ℓ decay channel at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. *Eur. Phys. J. C* **80**. [Erratum: *Eur.Phys.J.C* 81, 29 (2021), Erratum: *Eur.Phys.J.C* 81, 398 (2021)], 957 (2020).
248. Aad, G. *et al.* Measurement of the CP -violating phase ϕ_s in $B_s^0 \rightarrow J/\psi\phi$ decays in ATLAS at 13 TeV. *Eur. Phys. J. C* **81**, 342 (2021).
249. Aad, G. *et al.* Search for the $HH \rightarrow b\bar{b}b\bar{b}$ process via vector-boson fusion production using proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. *JHEP* **07**. [Erratum: *JHEP* 01, 145 (2021), Erratum: *JHEP* 05, 207 (2021)], 108 (2020).
250. Aad, G. *et al.* Longitudinal Flow Decorrelations in Xe+Xe Collisions at $\sqrt{s_{NN}} = 5.44 \text{ TeV}$ with the ATLAS Detector. *Phys. Rev. Lett.* **126**, 122301 (2021).
251. Aaboud, M. *et al.* Measurement of the relative B_c^\pm/B^\pm production cross section with the ATLAS detector at $\sqrt{s} = 8 \text{ TeV}$. *Phys. Rev. D* **104**, 012010 (2021).
252. Aad, G. *et al.* Measurement of the jet mass in high transverse momentum $Z(\rightarrow b\bar{b})\gamma$ production at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector. *Phys. Lett. B* **812**, 135991 (2021).
253. Aad, G. *et al.* Observation and Measurement of Forward Proton Scattering in Association with Lepton Pairs Produced via the Photon Fusion Mechanism at ATLAS. *Phys. Rev. Lett.* **125**, 261801 (2020).
254. Aad, G. *et al.* Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s} = 13 \text{ TeV}$ proton-proton collisions recorded by ATLAS in Run 2 of the LHC. *JHEP* **10**, 062 (2020).
255. Aad, G. *et al.* Search for heavy resonances decaying into a photon and a hadronically decaying Higgs boson in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. *Phys. Rev. Lett.* **125**, 251802 (2020).
256. Aad, G. *et al.* Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b -jets in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. *Eur. Phys. J. C* **80**, 691 (2020).

257. Aad, G. *et al.* Evidence for $t\bar{t}\bar{t}$ production in the multilepton final state in proton–proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J. C* **80**, 1085 (2020).
258. Aad, G. *et al.* Reconstruction and identification of boosted di- τ systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. *JHEP* **11**, 163 (2020).
259. Aad, G. *et al.* Operation of the ATLAS trigger system in Run 2. *JINST* **15**, P10004 (2020).
260. Aad, G. *et al.* Search for resonances decaying into a weak vector boson and a Higgs boson in the fully hadronic final state produced in proton–proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev. D* **102**, 112008 (2020).
261. Aad, G. *et al.* Alignment of the ATLAS Inner Detector in Run-2. *Eur. Phys. J. C* **80**, 1194 (2020).
262. Aad, G. *et al.* Measurements of inclusive and differential cross-sections of combined $t\bar{t}\gamma$ and $tW\gamma$ production in the $e\mu$ channel at 13 TeV with the ATLAS detector. *JHEP* **09**, 049 (2020).
263. Aad, G. *et al.* Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. *JHEP* **11**, 005 (2020).
264. Aad, G. *et al.* Measurement of the $t\bar{t}$ production cross-section in the lepton+jets channel at $\sqrt{s} = 13$ TeV with the ATLAS experiment. *Phys. Lett. B* **810**, 135797 (2020).
265. Aad, G. *et al.* Search for top squarks in events with a Higgs or Z boson using 139 fb⁻¹ of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J. C* **80**, 1080 (2020).
266. Aad, G. *et al.* Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *JHEP* **10**, 112 (2020).
267. Aad, G. *et al.* Search for Higgs boson decays into two new low-mass spin-0 particles in the $4b$ channel with the ATLAS detector using pp collisions at $\sqrt{s} = 13$ TeV. *Phys. Rev. D* **102**, 112006 (2020).
268. Aad, G. *et al.* Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. *JHEP* **08**, 080 (2020).
269. Aad, G. *et al.* A search for the $Z\gamma$ decay mode of the Higgs boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett. B* **809**, 135754 (2020).
270. Aad, G. *et al.* Search for $t\bar{t}$ resonances in fully hadronic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **10**, 061 (2020).
271. Aad, G. *et al.* Performance of the upgraded PreProcessor of the ATLAS Level-1 Calorimeter Trigger. *JINST* **15**, P11016 (2020).
272. Aad, G. *et al.* Combination of the W boson polarization measurements in top quark decays using ATLAS and CMS data at $\sqrt{s} = 8$ TeV. *JHEP* **08**, 051 (2020).
273. Aad, G. *et al.* Dijet resonance search with weak supervision using $\sqrt{s} = 13$ TeV pp collisions in the ATLAS detector. *Phys. Rev. Lett.* **125**, 131801 (2020).
274. Aad, G. *et al.* Search for heavy diboson resonances in semileptonic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J. C* **80**, 1165 (2020).
275. Aad, G. *et al.* Search for a scalar partner of the top quark in the all-hadronic $t\bar{t}$ plus missing transverse momentum final state at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J. C* **80**, 737 (2020).
276. Aad, G. *et al.* Performance of the ATLAS muon triggers in Run 2. *JINST* **15**, P09015 (2020).
277. Aad, G. *et al.* Search for direct $t\bar{t}$ production of electroweakinos in final states with missing transverse momentum and a Higgs boson decaying into photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **10**, 005 (2020).
278. Aad, G. *et al.* CP Properties of Higgs Boson Interactions with Top Quarks in the $t\bar{t}H$ and tH Processes Using $H \rightarrow \gamma\gamma$ with the ATLAS Detector. *Phys. Rev. Lett.* **125**, 061802 (2020).
279. Aad, G. *et al.* Measurements of the Higgs boson inclusive and differential fiducial cross sections in the 4ℓ decay channel at $\sqrt{s} = 13$ TeV. *Eur. Phys. J. C* **80**, 942 (2020).
280. Aad, G. *et al.* Measurement of the Lund Jet Plane Using Charged Particles in 13 TeV Proton-Proton Collisions with the ATLAS Detector. *Phys. Rev. Lett.* **124**, 222002 (2020).

281. Aad, G. *et al.* Higgs boson production cross-section measurements and their EFT interpretation in the 4ℓ decay channel at $\sqrt{s}=13$ TeV with the ATLAS detector. *Eur. Phys. J. C* **80**. [Erratum: *Eur.Phys.J.C* 81, 29 (2021)], 957 (2020).
282. Aad, G. *et al.* Search for Higgs Boson Decays into a Z Boson and a Light Hadronically Decaying Resonance Using 13 TeV pp Collision Data from the ATLAS Detector. *Phys. Rev. Lett.* **125**, 221802 (2020).
283. Aad, G. *et al.* Search for long-lived, massive particles in events with a displaced vertex and a muon with large impact parameter in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev. D* **102**, 032006 (2020).
284. Aad, G. *et al.* Measurements of the production cross-section for a Z boson in association with b -jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **07**, 044 (2020).
285. Aad, G. *et al.* Measurement of azimuthal anisotropy of muons from charm and bottom hadrons in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. *Phys. Lett. B* **807**, 135595 (2020).
286. Aad, G. *et al.* Search for heavy Higgs bosons decaying into two tau leptons with the ATLAS detector using pp collisions at $\sqrt{s} = 13$ TeV. *Phys. Rev. Lett.* **125**, 051801 (2020).
287. Aad, G. *et al.* Search for dijet resonances in events with an isolated charged lepton using $\sqrt{s} = 13$ TeV proton-proton collision data collected by the ATLAS detector. *JHEP* **06**, 151 (2020).
288. Aad, G. *et al.* Observation of the associated production of a top quark and a Z boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **07**, 124 (2020).
289. Aad, G. *et al.* Test of CP invariance in vector-boson fusion production of the Higgs boson in the $H \rightarrow \tau\tau$ channel in proton–proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett. B* **805**, 135426 (2020).
290. Aad, G. *et al.* Search for the $HH \rightarrow b\bar{b}b\bar{b}$ process via vector-boson fusion production using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **07**. [Erratum: *JHEP* 01, 145 (2021)], 108 (2020).
291. Aad, G. *et al.* Measurement of soft-drop jet observables in pp collisions with the ATLAS detector at $\sqrt{s} = 13$ TeV. *Phys. Rev. D* **101**, 052007 (2020).
292. Aad, G. *et al.* Measurement of isolated-photon plus two-jet production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **03**, 179 (2020).
293. Aad, G. *et al.* Search for chargino-neutralino production with mass splittings near the electroweak scale in three-lepton final states in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. *Phys. Rev. D* **101**, 072001 (2020).
294. Aad, G. *et al.* Measurement of the transverse momentum distribution of Drell–Yan lepton pairs in proton–proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J. C* **80**, 616 (2020).
295. Aad, G. *et al.* Search for long-lived neutral particles produced in pp collisions at $\sqrt{s} = 13$ TeV decaying into displaced hadronic jets in the ATLAS inner detector and muon spectrometer. *Phys. Rev. D* **101**, 052013 (2020).
296. Aad, G. *et al.* Searches for electroweak production of supersymmetric particles with compressed mass spectra in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *Phys. Rev. D* **101**, 052005 (2020).
297. Aad, G. *et al.* Search for direct stau production in events with two hadronic τ -leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *Phys. Rev. D* **101**, 032009 (2020).
298. Aad, G. *et al.* Measurement of the $Z(\rightarrow \ell^+\ell^-)\gamma$ production cross-section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **03**, 054 (2020).
299. Aad, G. *et al.* Measurement of the azimuthal anisotropy of charged-particle production in $Xe + Xe$ collisions at $\sqrt{s_{NN}} = 5.44$ TeV with the ATLAS detector. *Phys. Rev. C* **101**, 024906 (2020).
300. Aad, G. *et al.* ATLAS data quality operations and performance for 2015–2018 data-taking. *JINST* **15**, P04003 (2020).

301. Aad, G. *et al.* Measurement of differential cross sections for single diffractive dissociation in $\sqrt{s} = 8$ TeV pp collisions using the ATLAS ALFA spectrometer. *JHEP* **02**. [Erratum: *JHEP* 10, 182 (2020)], 042 (2020).
302. Aad, G. *et al.* Transverse momentum and process dependent azimuthal anisotropies in $\sqrt{s_{NN}} = 8.16$ TeV p +Pb collisions with the ATLAS detector. *Eur. Phys. J. C* **80**, 73 (2020).
303. Aad, G. *et al.* Z boson production in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV measured by the ATLAS experiment. *Phys. Lett. B* **802**, 135262 (2020).
304. Aad, G. *et al.* Evidence for electroweak production of two jets in association with a $Z\gamma$ pair in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett. B* **803**, 135341 (2020).
305. Aad, G. *et al.* Measurement of the $t\bar{t}$ production cross-section and lepton differential distributions in $e\mu$ dilepton events from pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J. C* **80**, 528 (2020).
306. Aad, G. *et al.* Search for new resonances in mass distributions of jet pairs using 139 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **03**, 145 (2020).
307. Aaboud, M. *et al.* Determination of jet calibration and energy resolution in proton-proton collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. *Eur. Phys. J. C* **80**, 1104 (2020).
308. Aaboud, M. *et al.* Measurement of J/ψ production in association with a W^{\pm} boson with pp data at 8 TeV. *JHEP* **01**, 095 (2020).
309. Aad, G. *et al.* Search for the Higgs boson decays $H \rightarrow ee$ and $H \rightarrow e\mu$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett. B* **801**, 135148 (2020).
310. Aad, G. *et al.* Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb^{-1} of data collected with the ATLAS detector. *JHEP* **06**, 046 (2020).
311. Aad, G. *et al.* Combined measurements of Higgs boson production and decay using up to 80 fb^{-1} of proton-proton collision data at $\sqrt{s} = 13$ TeV collected with the ATLAS experiment. *Phys. Rev. D* **101**, 012002 (2020).
312. Aad, G. *et al.* Measurement of azimuthal anisotropy of muons from charm and bottom hadrons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev. Lett.* **124**, 082301 (2020).
313. Aad, G. *et al.* Search for light long-lived neutral particles produced in pp collisions at $\sqrt{s} = 13$ TeV and decaying into collimated leptons or light hadrons with the ATLAS detector. *Eur. Phys. J. C* **80**, 450 (2020).
314. Aad, G. *et al.* Performance of electron and photon triggers in ATLAS during LHC Run 2. *Eur. Phys. J. C* **80**, 47 (2020).
315. Aad, G. *et al.* Search for flavour-changing neutral currents in processes with one top quark and a photon using 81 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment. *Phys. Lett. B* **800**, 135082 (2020).
316. Aad, G. *et al.* Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. *Eur. Phys. J. C* **80**, 123 (2020).
317. Aad, G. *et al.* Search for non-resonant Higgs boson pair production in the $bbl\nu\nu$ final state with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV. *Phys. Lett. B* **801**, 135145 (2020).
318. Aad, G. *et al.* Measurement of angular and momentum distributions of charged particles within and around jets in Pb+Pb and pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. *Phys. Rev. C* **100**. [Erratum: *Phys.Rev.C* 101, 059903 (2020)], 064901 (2019).
319. Aad, G. *et al.* Search for displaced vertices of oppositely charged leptons from decays of long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett. B* **801**, 135114 (2020).
320. Aad, G. *et al.* Searches for lepton-flavour-violating decays of the Higgs boson in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *Phys. Lett. B* **800**, 135069 (2020).

321. Aad, G. *et al.* Search for heavy neutral Higgs bosons produced in association with b -quarks and decaying into b -quarks at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev. D* **102**, 032004 (2020).
322. Aad, G. *et al.* Search for diboson resonances in hadronic final states in 139 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **09**. [Erratum: *JHEP* 06, 042 (2020)], 091 (2019).
323. Aaboud, M. *et al.* Measurement of long-range two-particle azimuthal correlations in Z -boson tagged pp collisions at $\sqrt{s}=8$ and 13 TeV. *Eur. Phys. J. C* **80**, 64 (2020).
324. Aad, G. *et al.* Combination of searches for Higgs boson pairs in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett. B* **800**, 135103 (2020).
325. Aad, G. *et al.* Search for Magnetic Monopoles and Stable High-Electric-Charge Objects in 13 TeV Proton-Proton Collisions with the ATLAS Detector. *Phys. Rev. Lett.* **124**, 031802 (2020).
326. Aaboud, M. *et al.* Fluctuations of anisotropic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. *JHEP* **01**, 051 (2020).
327. Aaboud, M. *et al.* Measurements of top-quark pair spin correlations in the $e\mu$ channel at $\sqrt{s} = 13$ TeV using pp collisions in the ATLAS detector. *Eur. Phys. J. C* **80**, 754 (2020).
328. Aaboud, M. *et al.* Measurement of differential cross sections and W^+/W^- cross-section ratios for W boson production in association with jets at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **05**. [Erratum: *JHEP* 10, 048 (2020)], 077 (2018).
329. Aaboud, M. *et al.* Measurement of top quark pair differential cross-sections in the dilepton channel in pp collisions at $\sqrt{s} = 7$ and 8 TeV with ATLAS. *Phys. Rev. D* **94**. [Addendum: *Phys.Rev.D* 101, 119901 (2020)], 092003 (2016).
330. Aad, G. *et al.* Measurements of top-quark pair differential and double-differential cross-sections in the ℓ +jets channel with pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. *Eur. Phys. J.* **C79**, 1028 (2019).
331. Aad, G. *et al.* Search for bottom-squark pair production with the ATLAS detector in final states containing Higgs bosons, b -jets and missing transverse momentum. *JHEP* **12**, 060 (2019).
332. Aad, G. *et al.* Measurement of the inclusive isolated-photon cross section in pp collisions at $\sqrt{s} = 13$ TeV using 36 fb^{-1} of ATLAS data. *JHEP* **10**, 203 (2019).
333. Aad, G. *et al.* Electron and photon performance measurements with the ATLAS detector using the 2015-2017 LHC proton-proton collision data. *JINST* **14**, P12006 (2019).
334. Aad, G. *et al.* Measurement of K_S^0 and Λ^0 production in $t\bar{t}$ dileptonic events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Eur. Phys. J.* **C79**, 1017 (2019).
335. Aad, G. *et al.* Measurement of W^\pm boson production in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. *Eur. Phys. J.* **C79**, 935 (2019).
336. Aad, G. *et al.* Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at 8 TeV using the ATLAS detector. *Eur. Phys. J.* **C79**, 847 (2019).
337. Aad, G. *et al.* Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. *Eur. Phys. J.* **C79**, 985 (2019).
338. Aad, G. *et al.* ATLAS b -jet identification performance and efficiency measurement with $t\bar{t}$ events in pp collisions at $\sqrt{s} = 13$ TeV. *Eur. Phys. J.* **C79**, 970 (2019).
339. Aad, G. *et al.* Measurement of W^\pm -boson and Z -boson production cross-sections in pp collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. *Eur. Phys. J.* **C79**, 901 (2019).
340. Aad, G. *et al.* Resolution of the ATLAS muon spectrometer monitored drift tubes in LHC Run 2. *JINST* **14**, P09011 (2019).
341. Aad, G. *et al.* Identification of boosted Higgs bosons decaying into b -quark pairs with the ATLAS detector at 13 TeV. *Eur. Phys. J.* **C79**, 836 (2019).
342. Aad, G. *et al.* Properties of jet fragmentation using charged particles measured with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV. *Phys. Rev.* **D100**, 052011 (2019).

343. Aad, G. *et al.* Search for a heavy charged boson in events with a charged lepton and missing transverse momentum from pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D100**, 052013 (2019).
344. Aaboud, M. *et al.* Search for excited electrons singly produced in proton-collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment at the LHC. *Eur. Phys. J.* **C79**, 803 (2019).
345. Aaboud, M. *et al.* Observation of electroweak production of a same-sign W boson pair in association with two jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev. Lett.* **123**, 161801 (2019).
346. Aad, G. *et al.* Measurement of distributions sensitive to the underlying event in inclusive Z -boson production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J.* **C79**, 666 (2019).
347. Aad, G. *et al.* Search for heavy neutral leptons in decays of W bosons produced in 13 TeV pp collisions using prompt and displaced signatures with the ATLAS detector. *JHEP* **10**, 265 (2019).
348. Aad, G. *et al.* Search for the electroweak diboson production in association with a high-mass dijet system in semileptonic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D100**, 032007 (2019).
349. Aaboud, M. *et al.* Measurement of ZZ production in the $\ell\nu\nu$ final state with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV. *JHEP* **10**, 127 (2019).
350. Aaboud, M. *et al.* Measurement of fiducial and differential W^+W^- production cross-sections at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J.* **C79**, 884 (2019).
351. Aaboud, M. *et al.* Modelling radiation damage to pixel sensors in the ATLAS detector. *JINST* **14**, P06012 (2019).
352. Aad, G. *et al.* Measurement of the top-quark mass in $t\bar{t} + 1$ -jet events collected with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. *JHEP* **11**, 150 (2019).
353. Aaboud, M. *et al.* Search for a right-handed gauge boson decaying into a high-momentum heavy neutrino and a charged lepton in pp collisions with the ATLAS detector at $\sqrt{s} = 13$ TeV. *Phys. Lett.* **B798**, 134942 (2019).
354. Aad, G. *et al.* Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Eur. Phys. J.* **C79**, 760 (2019).
355. Aaboud, M. *et al.* Combination of searches for invisible Higgs boson decays with the ATLAS experiment. *Phys. Rev. Lett.* **122**, 231801 (2019).
356. Aad, G. *et al.* Observation of light-by-light scattering in ultraperipheral Pb+Pb collisions with the ATLAS detector. *Phys. Rev. Lett.* **123**, 052001 (2019).
357. Aad, G. *et al.* Evidence for the production of three massive vector bosons with the ATLAS detector. *Phys. Lett.* **B798**, 134913 (2019).
358. Aad, G. *et al.* Evidence for the production of three massive vectorbosons in pp collisions with the ATLAS detector. *PoS DIS2019*, 135 (2019).
359. Aad, G. *et al.* Measurement of the production cross section for a Higgs boson in association with a vector boson in the $H \rightarrow WW^* \rightarrow \ell\nu\ell\nu$ channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett.* **B798**, 134949 (2019).
360. Aad, G. *et al.* Search for high-mass dilepton resonances using 139 fb^{-1} of pp collision data collected at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett.* **B796**, 68–87 (2019).
361. Aaboud, M. *et al.* Measurement of VH , $H \rightarrow b\bar{b}$ production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. *JHEP* **05**, 141 (2019).
362. Aaboud, M. *et al.* Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **08**, 033 (2019).
363. Aaboud, M. *et al.* Measurement of prompt photon production in $\sqrt{s_{NN}} = 8.16$ TeV p +Pb collisions with ATLAS. *Phys. Lett.* **B796**, 230–252 (2019).
364. Aaboud, M. *et al.* Constraints on mediator-based dark matter and scalar dark energy models using $\sqrt{s} = 13$ TeV pp collision data collected by the ATLAS detector. *JHEP* **05**, 142 (2019).

365. Aaboud, M. *et al.* Search for heavy particles decaying into a top-quark pair in the fully hadronic final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D99**, 092004 (2019).
366. Aaboud, M. *et al.* Comparison of Fragmentation Functions for Jets Dominated by Light Quarks and Gluons from pp and Pb+Pb Collisions in ATLAS. *Phys. Rev. Lett.* **123**, 042001 (2019).
367. Aaboud, M. *et al.* Searches for third-generation scalar leptoquarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *JHEP* **06**, 144 (2019).
368. Aaboud, M. *et al.* Combinations of single-top-quark production cross-section measurements and $|f_{LV}V_{tb}|$ determinations at $\sqrt{s} = 7$ and 8 TeV with the ATLAS and CMS experiments Combinations of single-top-quark production cross-section measurements and $|f_{LV}V_{tb}|$ determinations at $\sqrt{s} = 7$ and 8 TeV with the ATLAS and CMS experiments. *JHEP* **05**, 088 (2019).
369. Aaboud, M. *et al.* Measurement of the four-lepton invariant mass spectrum in 13 TeV proton-proton collisions with the ATLAS detector. *JHEP* **04**, 048 (2019).
370. Aaboud, M. *et al.* Measurement of $W^{\pm}Z$ production cross sections and gauge boson polarisation in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J.* **C79**, 535 (2019).
371. Aaboud, M. *et al.* Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $\sqrt{s} = 13$ TeV. *Eur. Phys. J.* **C79**, 639 (2019).
372. Aaboud, M. *et al.* Search for long-lived neutral particles in pp collisions at $\sqrt{s} = 13$ TeV that decay into displaced hadronic jets in the ATLAS calorimeter. *Eur. Phys. J.* **C79**, 481 (2019).
373. Aaboud, M. *et al.* Search for heavy charged long-lived particles in the ATLAS detector in 36.1 fb^{-1} of proton-proton collision data at $\sqrt{s} = 13$ TeV. *Phys. Rev.* **D99**, 092007 (2019).
374. Abouzaid, E. *et al.* Measurement of the branching ratio of π^0 Dalitz Decay using $K_L \rightarrow \pi^0\pi^0\pi^0$ Decays. *Phys. Rev.* **D100**, 032003 (2019).
375. Aaboud, M. *et al.* Searches for scalar leptoquarks and differential cross-section measurements in dilepton-dijet events in proton-proton collisions at a centre-of-mass energy of $\sqrt{s} = 13$ TeV with the ATLAS experiment. *Eur. Phys. J.* **C79**, 733 (2019).
376. Aaboud, M. *et al.* Search for low-mass resonances decaying into two jets and produced in association with a photon using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett.* **B795**, 56–75 (2019).
377. Aaboud, M. *et al.* Dijet azimuthal correlations and conditional yields in pp and $p+\text{Pb}$ collisions at $\sqrt{s}=5.02\text{TeV}$ with the ATLAS detector. *Phys. Rev.* **C100**, 034903 (2019).
378. Aaboud, M. *et al.* Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at $\sqrt{s} = 13$ and 8 TeV with the ATLAS detector. *JHEP* **04**, 093 (2019).
379. Aaboud, M. *et al.* Search for scalar resonances decaying into $\mu^+\mu^-$ in events with and without b -tagged jets produced in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **07**, 117 (2019).
380. Aaboud, M. *et al.* Measurement of the $t\bar{t}Z$ and $t\bar{t}W$ cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D99**, 072009 (2019).
381. Aaboud, M. *et al.* Search for top-quark decays $t \rightarrow Hq$ with 36 fb^{-1} of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **05**, 123 (2019).
382. Aaboud, M. *et al.* Search for large missing transverse momentum in association with one top-quark in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **05**, 041 (2019).
383. Aaboud, M. *et al.* Observation of electroweak $W^{\pm}Z$ boson pair production in association with two jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett.* **B793**, 469–492 (2019).
384. Aaboud, M. *et al.* Search for chargino and neutralino production in final states with a Higgs boson and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D100**, 012006 (2019).
385. Aaboud, M. *et al.* Properties of $g \rightarrow b\bar{b}$ at small opening angles in pp collisions with the ATLAS detector at $\sqrt{s} = 13$ TeV. *Phys. Rev.* **D99**, 052004 (2019).
386. Aaboud, M. *et al.* Search for single production of vector-like quarks decaying into Wb in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **05**, 164 (2019).

387. Aaboud, M. *et al.* Electron and photon energy calibration with the ATLAS detector using 2015-2016 LHC proton-proton collision data. *JINST* **14**, P03017 (2019).
388. Aaboud, M. *et al.* Search for heavy long-lived multicharged particles in proton-proton collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. *Phys. Rev.* **D99**, 052003 (2019).
389. Aaboud, M. *et al.* Study of the rare decays of B_s^0 and B^0 mesons into muon pairs using data collected during 2015 and 2016 with the ATLAS detector. *JHEP* **04**, 098 (2019).
390. Aaboud, M. *et al.* Measurements of inclusive and differential fiducial cross-sections of $t\bar{t}\gamma$ production in leptonic final states at $\sqrt{s} = 13$ TeV in ATLAS. *Eur. Phys. J.* **C79**, 382 (2019).
391. Aaboud, M. *et al.* Measurements of inclusive and differential fiducial cross-sections of $t\bar{t}$ production with additional heavy-flavour jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **04**, 046 (2019).
392. Aaboud, M. *et al.* Search for Higgs boson pair production in the $WW^{(*)}WW^{(*)}$ decay channel using ATLAS data recorded at $\sqrt{s} = 13$ TeV. *JHEP* **05**, 124 (2019).
393. Aaboud, M. *et al.* Study of the hard double-parton scattering contribution to inclusive four-lepton production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Phys. Lett.* **B790**. [Phys. Lett.790,595(2019)], 595–614 (2019).
394. Aaboud, M. *et al.* Cross-section measurements of the Higgs boson decaying into a pair of τ -leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D99**, 072001 (2019).
395. Aaboud, M. *et al.* Search for long-lived particles produced in pp collisions at $\sqrt{s} = 13$ TeV that decay into displaced hadronic jets in the ATLAS muon spectrometer. *Phys. Rev.* **D99**, 052005 (2019).
396. Aaboud, M. *et al.* Search for Higgs boson pair production in the $b\bar{b}WW^*$ decay mode at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **04**, 092 (2019).
397. Aaboud, M. *et al.* Search for four-top-quark production in the single-lepton and opposite-sign dilepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D99**, 052009 (2019).
398. Aaboud, M. *et al.* Search for the Production of a Long-Lived Neutral Particle Decaying within the ATLAS Hadronic Calorimeter in Association with a Z Boson from pp Collisions at $\sqrt{s} = 13$ TeV. *Phys. Rev. Lett.* **122**, 151801 (2019).
399. Aaboud, M. *et al.* Measurements of W and Z boson production in pp collisions at $\sqrt{s} = 5.02$ TeV with the ATLAS detector. *Eur. Phys. J.* **C79**. [Erratum: Eur. Phys. J.C79,no.5,374(2019)], 128 (2019).
400. Aaboud, M. *et al.* Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. *Eur. Phys. J.* **C79**, 205 (2019).
401. Aaboud, M. *et al.* Measurement of the top quark mass in the $t\bar{t} \rightarrow$ lepton+jets channel from $\sqrt{s} = 8$ TeV ATLAS data and combination with previous results. *Eur. Phys. J.* **C79**, 290 (2019).
402. Aaboud, M. *et al.* Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with two charged leptons and two jets at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **01**, 016 (2019).
403. Aaboud, M. *et al.* Measurement of photon-jet transverse momentum correlations in 5.02 TeV Pb + Pb and pp collisions with ATLAS. *Phys. Lett.* **B789**, 167–190 (2019).
404. Aaboud, M. *et al.* Search for invisible Higgs boson decays in vector boson fusion at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett.* **B793**, 499–519 (2019).
405. Aaboud, M. *et al.* A search for pairs of highly collimated photon-jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D99**, 012008 (2019).
406. Aaboud, M. *et al.* Measurements of gluon-gluon fusion and vector-boson fusion Higgs boson production cross-sections in the $H \rightarrow WW^* \rightarrow e\nu\mu\nu$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett.* **B789**, 508–529 (2019).
407. Aaboud, M. *et al.* Performance of top-quark and W -boson tagging with ATLAS in Run 2 of the LHC. *Eur. Phys. J.* **C79**, 375 (2019).

408. Aaboud, M. *et al.* Search for squarks and gluinos in final states with hadronically decaying τ -leptons, jets, and missing transverse momentum using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D99**, 012009 (2019).
409. Aaboud, M. *et al.* Search for heavy charged long-lived particles in proton-proton collisions at $\sqrt{s} = 13$ TeV using an ionisation measurement with the ATLAS detector. *Phys. Lett.* **B788**, 96–116 (2019).
410. Aaboud, M. *et al.* Search for long-lived particles in final states with displaced dimuon vertices in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D99**, 012001 (2019).
411. Aaboud, M. *et al.* Search for doubly charged scalar bosons decaying into same-sign W boson pairs with the ATLAS detector. *Eur. Phys. J.* **C79**, 58 (2019).
412. Aaboud, M. *et al.* Search for vector-boson resonances decaying to a top quark and bottom quark in the lepton plus jets final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett.* **B788**, 347–370 (2019).
413. Aaboud, M. *et al.* In situ calibration of large-radius jet energy and mass in 13 TeV proton-proton collisions with the ATLAS detector. *Eur. Phys. J.* **C79**, 135 (2019).
414. Aaboud, M. *et al.* A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment. *Eur. Phys. J.* **C79**, 120 (2019).
415. Aaboud, M. *et al.* Correlated long-range mixed-harmonic fluctuations measured in pp , p +Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector. *Phys. Lett.* **B789**, 444–471 (2019).
416. Aaboud, M. *et al.* Search for Higgs boson decays into a pair of light bosons in the $bb\mu\mu$ final state in pp collision at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett.* **B790**, 1–21 (2019).
417. Aaboud, M. *et al.* Measurement of the nuclear modification factor for inclusive jets in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. *Phys. Lett.* **B790**, 108–128 (2019).
418. Aaboud, M. *et al.* Search for pair production of Higgs bosons in the $b\bar{b}b\bar{b}$ final state using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **01**, 030 (2019).
419. Aaboud, M. *et al.* Search for light resonances decaying to boosted quark pairs and produced in association with a photon or a jet in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett.* **B788**, 316–335 (2019).
420. Aaboud, M. *et al.* Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb^{-1} of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. *JHEP* **09**. [Erratum: *JHEP*08,121(2019)], 084 (2017).
421. Aaboud, M. *et al.* Measurement of the W boson polarisation in $t\bar{t}$ events from pp collisions at $\sqrt{s} = 8$ TeV in the lepton + jets channel with ATLAS. *Eur. Phys. J.* **C77**. [Erratum: *Eur. Phys. J.*C79,no.1,19(2019)], 264 (2017).
422. Aad, G. *et al.* A search for an excited muon decaying to a muon and two jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *New J. Phys.* **18**. [Erratum: *New J. Phys.*21,no.10,109501(2019)], 073021 (2016).
423. Ivezic, Z. *et al.* LSST: from Science Drivers to Reference Design and Anticipated Data Products. *Astrophys. J.* **873**, 111 (2019).
424. Aaboud, M. *et al.* Measurement of the $Z\gamma \rightarrow \nu\bar{\nu}\gamma$ production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector and limits on anomalous triple gauge-boson couplings. *JHEP* **12**, 010 (2018).
425. Aaboud, M. *et al.* Comparison between simulated and observed LHC beam backgrounds in the ATLAS experiment at $E_{\text{beam}} = 4$ TeV. *JINST* **13**, P12006 (2018).
426. Aaboud, M. *et al.* Observation of $H \rightarrow b\bar{b}$ decays and VH production with the ATLAS detector. *Phys. Lett.* **B786**, 59–86 (2018).
427. Aaboud, M. *et al.* Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s_{NN}} = 5.02$ TeV Pb+Pb collisions with the ATLAS detector. *Eur. Phys. J.* **C78**, 997 (2018).

428. Aaboud, M. *et al.* Search for charged Higgs bosons decaying into top and bottom quarks at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **11**, 085 (2018).
429. Aaboud, M. *et al.* Combination of the searches for pair-produced vector-like partners of the third-generation quarks at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev. Lett.* **121**, 211801 (2018).
430. Aaboud, M. *et al.* Combination of searches for heavy resonances decaying into bosonic and leptonic final states using 36 fb^{-1} of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D98**, 052008 (2018).
431. Aaboud, M. *et al.* Search for pair production of heavy vector-like quarks decaying into hadronic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D98**, 092005 (2018).
432. Aaboud, M. *et al.* Constraints on off-shell Higgs boson production and the Higgs boson total width in $ZZ \rightarrow 4\ell$ and $ZZ \rightarrow 2\ell 2\nu$ final states with the ATLAS detector. *Phys. Lett.* **B786**, 223–244 (2018).
433. Aaboud, M. *et al.* Search for resonant and non-resonant Higgs boson pair production in the $b\bar{b}\tau^+\tau^-$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev. Lett.* **121**. [Erratum: *Phys. Rev. Lett.* 122,no.8,089901(2019)], 191801 (2018).
434. Aaboud, M. *et al.* Search for new phenomena in events with same-charge leptons and b -jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **12**, 039 (2018).
435. Aaboud, M. *et al.* Search for dark matter in events with a hadronically decaying vector boson and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **10**, 180 (2018).
436. Aaboud, M. *et al.* Search for Higgs bosons produced via vector-boson fusion and decaying into bottom quark pairs in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *Phys. Rev.* **D98**, 052003 (2018).
437. Aaboud, M. *et al.* Search for Higgs boson pair production in the $\gamma\gamma WW^*$ channel using pp collision data recorded at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J.* **C78**, 1007 (2018).
438. Aaboud, M. *et al.* Search for charged Higgs bosons decaying via $H^\pm \rightarrow \tau^\pm \nu_\tau$ in the τ +jets and τ +lepton final states with 36 fb^{-1} of pp collision data recorded at $\sqrt{s} = 13$ TeV with the ATLAS experiment. *JHEP* **09**, 139 (2018).
439. Aaboud, M. *et al.* Search for lepton-flavor violation in different-flavor, high-mass final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D98**, 092008 (2018).
440. Aaboud, M. *et al.* Prompt and non-prompt J/ψ elliptic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. *Eur. Phys. J.* **C78**, 784 (2018).
441. Aaboud, M. *et al.* Search for Higgs boson pair production in the $\gamma\gamma b\bar{b}$ final state with 13 TeV pp collision data collected by the ATLAS experiment. *JHEP* **11**, 040 (2018).
442. Aaboud, M. *et al.* Searches for exclusive Higgs and Z boson decays into $J/\psi\gamma$, $\psi(2S)\gamma$, and $\Upsilon(nS)\gamma$ at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett.* **B786**, 134–155 (2018).
443. Aaboud, M. *et al.* Search for pair- and single-production of vector-like quarks in final states with at least one Z boson decaying into a pair of electrons or muons in pp collision data collected with the ATLAS detector at $\sqrt{s} = 13$ TeV. *Phys. Rev.* **D98**, 112010 (2018).
444. Aaboud, M. *et al.* Observation of centrality-dependent acoplanarity for muon pairs produced via two-photon scattering in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. *Phys. Rev. Lett.* **121**, 212301 (2018).
445. Aaboud, M. *et al.* Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow aa \rightarrow 4b$ channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **10**, 031 (2018).
446. Aaboud, M. *et al.* Probing the quantum interference between singly and doubly resonant top-quark production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev. Lett.* **121**, 152002 (2018).
447. Aaboud, M. *et al.* Search for pair production of higgsinos in final states with at least three b -tagged jets in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. *Phys. Rev.* **D98**, 092002 (2018).
448. Aaboud, M. *et al.* Operation and performance of the ATLAS Tile Calorimeter in Run 1. *Eur. Phys. J.* **C78**, 987 (2018).

449. Aaboud, M. *et al.* Search for chargino-neutralino production using recursive jigsaw reconstruction in final states with two or three charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D98**, 092012 (2018).
450. Aaboud, M. *et al.* Search for pair production of heavy vector-like quarks decaying into high- p_T W bosons and top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **08**, 048 (2018).
451. Aaboud, M. *et al.* Search for resonant WZ production in the fully leptonic final state in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett.* **B787**, 68–88 (2018).
452. Aaboud, M. *et al.* Observation of Higgs boson production in association with a top quark pair at the LHC with the ATLAS detector. *Phys. Lett.* **B784**, 173–191 (2018).
453. Aaboud, M. *et al.* Measurement of the Higgs boson mass in the $H \rightarrow ZZ^* \rightarrow 4\ell$ and $H \rightarrow \gamma\gamma$ channels with $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. *Phys. Lett.* **B784**, 345–366 (2018).
454. Aaboud, M. *et al.* Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *Eur. Phys. J.* **C78**, 625 (2018).
455. Aaboud, M. *et al.* Combined measurement of differential and total cross sections in the $H \rightarrow \gamma\gamma$ and the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channels at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett.* **B786**, 114–133 (2018).
456. Aaboud, M. *et al.* Search for resonances in the mass distribution of jet pairs with one or two jets identified as b -jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D98**, 032016 (2018).
457. Aaboud, M. *et al.* Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. *Phys. Rev.* **C98**, 024908 (2018).
458. Aaboud, M. *et al.* Measurement of the suppression and azimuthal anisotropy of muons from heavy-flavor decays in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. *Phys. Rev.* **C98**, 044905 (2018).
459. Aaboud, M. *et al.* Measurement of dijet azimuthal decorrelations in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector and determination of the strong coupling. *Phys. Rev.* **D98**, 092004 (2018).
460. Aaboud, M. *et al.* Angular analysis of $B_d^0 \rightarrow K^* \mu^+ \mu^-$ decays in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **10**, 047 (2018).
461. Aaboud, M. *et al.* Prompt and non-prompt J/ψ and $\psi(2S)$ suppression at high transverse momentum in 5.02 TeV Pb+Pb collisions with the ATLAS experiment. *Eur. Phys. J.* **C78**, 762 (2018).
462. Aaboud, M. *et al.* Search for flavor-changing neutral currents in top quark decays $t \rightarrow Hc$ and $t \rightarrow Hu$ in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D98**, 032002 (2018).
463. Aaboud, M. *et al.* Measurement of colour flow using jet-pull observables in $t\bar{t}$ events with the ATLAS experiment at $\sqrt{s} = 13$ TeV. *Eur. Phys. J.* **C78**, 847 (2018).
464. Aaboud, M. *et al.* Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV pp collisions with the ATLAS detector. *JHEP* **09**, 050 (2018).
465. Aaboud, M. *et al.* Search for heavy resonances decaying to a photon and a hadronically decaying $Z/W/H$ boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D98**, 032015 (2018).
466. Aaboud, M. *et al.* Measurements of b -jet tagging efficiency with the ATLAS detector using $t\bar{t}$ events at $\sqrt{s} = 13$ TeV. *JHEP* **08**, 089 (2018).
467. Aaboud, M. *et al.* Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J.* **C78**, 565 (2018).
468. Aaboud, M. *et al.* A search for lepton-flavor-violating decays of the Z boson into a τ -lepton and a light lepton with the ATLAS detector. *Phys. Rev.* **D98**, 092010 (2018).

469. Aaboud, M. *et al.* Search for R-parity-violating supersymmetric particles in multi-jet final states produced in p - p collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector at the LHC. *Phys. Lett.* **B785**, 136–158 (2018).
470. Aaboud, M. *et al.* Search for supersymmetry in events with four or more leptons in $\sqrt{s} = 13$ TeV pp collisions with ATLAS. *Phys. Rev.* **D98**, 032009 (2018).
471. Aaboud, M. *et al.* Search for low-mass dijet resonances using trigger-level jets with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV. *Phys. Rev. Lett.* **121**, 081801 (2018).
472. Aaboud, M. *et al.* Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $\ell\ell b\bar{b}$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett.* **B783**, 392–414 (2018).
473. Aaboud, M. *et al.* Search for Higgs boson decays into pairs of light (pseudo)scalar particles in the $\gamma\gamma jj$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett.* **B782**, 750–767 (2018).
474. Aaboud, M. *et al.* Search for top squarks decaying to tau sleptons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D98**, 032008 (2018).
475. Aaboud, M. *et al.* Search for flavour-changing neutral current top-quark decays $t \rightarrow qZ$ in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **07**, 176 (2018).
476. Aaboud, M. *et al.* Search for pair production of up-type vector-like quarks and for four-top-quark events in final states with multiple b -jets with the ATLAS detector. *JHEP* **07**, 089 (2018).
477. Aaboud, M. *et al.* Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J.* **C78**, 995 (2018).
478. Aaboud, M. *et al.* Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV. *Eur. Phys. J.* **C78**, 903 (2018).
479. Aaboud, M. *et al.* Measurements of differential cross sections of top quark pair production in association with jets in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. *JHEP* **10**, 159 (2018).
480. Aaboud, M. *et al.* Search for the Decay of the Higgs Boson to Charm Quarks with the ATLAS Experiment. *Phys. Rev. Lett.* **120**, 211802 (2018).
481. Aaboud, M. *et al.* Measurements of Higgs boson properties in the diphoton decay channel with 36 fb^{-1} of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D98**, 052005 (2018).
482. Aaboud, M. *et al.* Search for Higgs boson decays to beyond-the-Standard-Model light bosons in four-lepton events with the ATLAS detector at $\sqrt{s} = 13$ TeV. *JHEP* **06**, 166 (2018).
483. Aaboud, M. *et al.* Search for photonic signatures of gauge-mediated supersymmetry in 13 TeV pp collisions with the ATLAS detector. *Phys. Rev.* **D97**, 092006 (2018).
484. Aaboud, M. *et al.* Search for a Structure in the $B_s^0 \pi^\pm$ Invariant Mass Spectrum with the ATLAS Experiment. *Phys. Rev. Lett.* **120**, 202007 (2018).
485. Aaboud, M. *et al.* Search for $W' \rightarrow tb$ decays in the hadronic final state using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett.* **B781**, 327–348 (2018).
486. Aaboud, M. *et al.* Search for High-Mass Resonances Decaying to $\tau\nu$ in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. *Phys. Rev. Lett.* **120**, 161802 (2018).
487. Aaboud, M. *et al.* Measurements of $t\bar{t}$ differential cross-sections of highly boosted top quarks decaying to all-hadronic final states in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. *Phys. Rev.* **D98**, 012003 (2018).
488. Aaboud, M. *et al.* Measurement of the cross section for isolated-photon plus jet production in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. *Phys. Lett.* **B780**, 578–602 (2018).
489. Aaboud, M. *et al.* Search for the standard model Higgs boson produced in association with top quarks and decaying into a $b\bar{b}$ pair in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D97**, 072016 (2018).
490. Aaboud, M. *et al.* Evidence for the associated production of the Higgs boson and a top quark pair with the ATLAS detector. *Phys. Rev.* **D97**, 072003 (2018).

491. Aaboud, M. *et al.* Search for electroweak production of supersymmetric states in scenarios with compressed mass spectra at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D97**, 052010 (2018).
492. Aaboud, M. *et al.* Measurement of the production cross section of three isolated photons in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. *Phys. Lett.* **B781**, 55–76 (2018).
493. Aaboud, M. *et al.* Measurement of the inclusive and fiducial $t\bar{t}$ production cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Eur. Phys. J.* **C78**, 487 (2018).
494. Aaboud, M. *et al.* Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b -jets in 36 fb^{-1} of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *JHEP* **03**. [Erratum: *JHEP*11,051(2018)], 174 (2018).
495. Aaboud, M. *et al.* Search for heavy ZZ resonances in the $\ell^+\ell^-\ell^+\ell^-$ and $\ell^+\ell^-\nu\bar{\nu}$ final states using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J.* **C78**, 293 (2018).
496. Aaboud, M. *et al.* Search for exclusive Higgs and Z boson decays to $\phi\gamma$ and $\rho\gamma$ with the ATLAS detector. *JHEP* **07**, 127 (2018).
497. Aaboud, M. *et al.* Search for squarks and gluinos in final states with jets and missing transverse momentum using 36 fb^{-1} of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. *Phys. Rev.* **D97**, 112001 (2018).
498. Aaboud, M. *et al.* Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **03**, 095 (2018).
499. Aaboud, M. *et al.* Search for long-lived charginos based on a disappearing-track signature in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **06**, 022 (2018).
500. Aaboud, M. *et al.* Measurement of differential cross-sections of a single top quark produced in association with a W boson at $\sqrt{s} = 13$ TeV with ATLAS. *Eur. Phys. J.* **C78**, 186 (2018).
501. Aaboud, M. *et al.* Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb^{-1} of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. *JHEP* **06**, 108 (2018).
502. Aaboud, M. *et al.* Measurement of the Soft-Drop Jet Mass in pp Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector. *Phys. Rev. Lett.* **121**, 092001 (2018).
503. Aaboud, M. *et al.* Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. *JHEP* **01**, 126 (2018).
504. Aaboud, M. *et al.* Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **05**, 195 (2018).
505. Aaboud, M. *et al.* Search for supersymmetry in final states with missing transverse momentum and multiple b -jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **06**, 107 (2018).
506. Aaboud, M. *et al.* Search for dark matter produced in association with bottom or top quarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *Eur. Phys. J.* **C78**, 18 (2018).
507. Aaboud, M. *et al.* Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV. *Eur. Phys. J.* **C78**, 199 (2018).
508. Aaboud, M. *et al.* Measurement of differential cross sections of isolated-photon plus heavy-flavour jet production in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. *Phys. Lett.* **B776**, 295–317 (2018).
509. Aaboud, M. *et al.* Search for WW/WZ resonance production in $\ell\nu qq$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **03**, 042 (2018).
510. Aaboud, M. *et al.* A search for pair-produced resonances in four-jet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J.* **C78**, 250 (2018).
511. Aaboud, M. *et al.* Search for B-L R -parity-violating top squarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS experiment. *Phys. Rev.* **D97**, 032003 (2018).
512. Aaboud, M. *et al.* Search for long-lived, massive particles in events with displaced vertices and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *Phys. Rev.* **D97**, 052012 (2018).

513. Aaboud, M. *et al.* Measurement of the production cross-section of a single top quark in association with a Z boson in proton-proton collisions at 13 TeV with the ATLAS detector. *Phys. Lett.* **B780**, 557–577 (2018).
514. Aaboud, M. *et al.* Search for heavy resonances decaying into WW in the $e\nu\mu\nu$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J.* **C78**, 24 (2018).
515. Aaboud, M. *et al.* Search for new phenomena in high-mass final states with a photon and a jet from pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J.* **C78**, 102 (2018).
516. Aaboud, M. *et al.* $ZZ \rightarrow \ell^+\ell^-\ell'^+\ell'^-$ cross-section measurements and search for anomalous triple gauge couplings in 13 TeV pp collisions with the ATLAS detector. *Phys. Rev.* **D97**, 032005 (2018).
517. Aaboud, M. *et al.* Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **01**, 055 (2018).
518. Aaboud, M. *et al.* A search for resonances decaying into a Higgs boson and a new particle X in the $XH \rightarrow qqbb$ final state with the ATLAS detector. *Phys. Lett.* **B779**, 24–45 (2018).
519. Aaboud, M. *et al.* Combination of inclusive and differential $t\bar{t}$ charge asymmetry measurements using ATLAS and CMS data at $\sqrt{s} = 7$ and 8 TeV. *JHEP* **04**, 033 (2018).
520. Aaboud, M. *et al.* Direct top-quark decay width measurement in the $t\bar{t}$ lepton+jets channel at $\sqrt{s}=8$ TeV with the ATLAS experiment. *Eur. Phys. J.* **C78**, 129 (2018).
521. Aaboud, M. *et al.* Measurement of τ polarisation in $Z/\gamma^* \rightarrow \tau\tau$ decays in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Eur. Phys. J.* **C78**, 163 (2018).
522. Aaboud, M. *et al.* Measurement of quarkonium production in proton-lead and proton-proton collisions at 5.02 TeV with the ATLAS detector. *Eur. Phys. J.* **C78**, 171 (2018).
523. Aaboud, M. *et al.* Measurement of longitudinal flow decorrelations in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV with the ATLAS detector. *Eur. Phys. J.* **C78**, 142 (2018).
524. Aaboud, M. *et al.* Searches for heavy ZZ and ZW resonances in the $\ell\ell qq$ and $\nu\nu qq$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **03**, 009 (2018).
525. Aaboud, M. *et al.* Search for an invisibly decaying Higgs boson or dark matter candidates produced in association with a Z boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett.* **B776**, 318–337 (2018).
526. Aaboud, M. *et al.* Search for the direct production of charginos and neutralinos in final states with tau leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *Eur. Phys. J.* **C78**, 154 (2018).
527. Aaboud, M. *et al.* Search for diboson resonances with boson-tagged jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett.* **B777**, 91–113 (2018).
528. Aaboud, M. *et al.* Measurement of the exclusive $\gamma\gamma \rightarrow \mu^+\mu^-$ process in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett.* **B777**, 303–323 (2018).
529. Aaboud, M. *et al.* Measurement of long-range multiparticle azimuthal correlations with the subevent cumulant method in pp and $p + Pb$ collisions with the ATLAS detector at the CERN Large Hadron Collider. *Phys. Rev.* **C97**, 024904 (2018).
530. Aaboud, M. *et al.* Search for a new heavy gauge boson resonance decaying into a lepton and missing transverse momentum in 36 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment. *Eur. Phys. J.* **C78**, 401 (2018).
531. Aaboud, M. *et al.* Measurement of jet fragmentation in 5.02 TeV proton-lead and proton-proton collisions with the ATLAS detector. *Nucl. Phys.* **A978**, 65 (2018).
532. Aaboud, M. *et al.* Measurement of the W -boson mass in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Eur. Phys. J.* **C78**. [Erratum: *Eur. Phys. J.*C78,no.11,898(2018)], 110 (2018).
533. Aaboud, M. *et al.* Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at $\sqrt{s} = 13$ TeV with ATLAS. *JHEP* **01**, 063 (2018).
534. Aaboud, M. *et al.* Measurement of the Drell-Yan triple-differential cross section in pp collisions at $\sqrt{s} = 8$ TeV. *JHEP* **12**, 059 (2017).

535. Aaboud, M. *et al.* Measurement of the cross-section for electroweak production of dijets in association with a Z boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett.* **B775**, 206–228 (2017).
536. Aaboud, M. *et al.* Measurement of lepton differential distributions and the top quark mass in $t\bar{t}$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Eur. Phys. J.* **C77**, 804 (2017).
537. Aaboud, M. *et al.* Study of ordered hadron chains with the ATLAS detector. *Phys. Rev.* **D96**, 092008 (2017).
538. Aaboud, M. *et al.* Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at $\sqrt{s}=13$ TeV with the ATLAS detector. *JHEP* **12**, 085 (2017).
539. Aaboud, M. *et al.* Search for supersymmetry in events with b -tagged jets and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **11**, 195 (2017).
540. Aaboud, M. *et al.* Search for squarks and gluinos in events with an isolated lepton, jets, and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D96**, 112010 (2017).
541. Aaboud, M. *et al.* Evidence for the $H \rightarrow b\bar{b}$ decay with the ATLAS detector. *JHEP* **12**, 024 (2017).
542. Aaboud, M. *et al.* Search for direct top squark pair production in final states with two leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *Eur. Phys. J.* **C77**, 898 (2017).
543. Aaboud, M. *et al.* Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **10**, 132 (2017).
544. Aaboud, M. *et al.* Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions. *JHEP* **12**, 034 (2017).
545. Aaboud, M. *et al.* Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. *JHEP* **11**, 191 (2017).
546. Aaboud, M. *et al.* Searches for the $Z\gamma$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **10**, 112 (2017).
547. Aaboud, M. *et al.* Search for heavy resonances decaying to a W or Z boson and a Higgs boson in the $q\bar{q}^{(\prime)}b\bar{b}$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett.* **B774**, 494–515 (2017).
548. Aaboud, M. *et al.* Search for Heavy Higgs Bosons A/H Decaying to a Top Quark Pair in pp Collisions at $\sqrt{s} = 8$ TeV with the ATLAS Detector. *Phys. Rev. Lett.* **119**, 191803 (2017).
549. Aaboud, M. *et al.* Study of $WW\gamma$ and $WZ\gamma$ production in pp collisions at $\sqrt{s} = 8$ TeV and search for anomalous quartic gauge couplings with the ATLAS experiment. *Eur. Phys. J.* **C77**, 646 (2017).
550. Aaboud, M. *et al.* Analysis of the Wtb vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t -channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **12**, 017 (2017).
551. Aaboud, M. *et al.* Search for new phenomena in high-mass diphoton final states using 37 fb^{-1} of proton–proton collisions collected at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett.* **B775**, 105–125 (2017).
552. Aaboud, M. *et al.* Search for pair production of heavy vector-like quarks decaying to high- p_T W bosons and b quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **10**, 141 (2017).
553. Aaboud, M. *et al.* Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. *Eur. Phys. J.* **C77**, 765 (2017).
554. Aaboud, M. *et al.* Study of the material of the ATLAS inner detector for Run 2 of the LHC. *JINST* **12**, P12009 (2017).
555. Aaboud, M. *et al.* Determination of the strong coupling constant α_s from transverse energy-energy correlations in multijet events at $\sqrt{s} = 8$ TeV using the ATLAS detector. *Eur. Phys. J.* **C77**, 872 (2017).
556. Aaboud, M. *et al.* Search for new high-mass phenomena in the dilepton final state using 36 fb^{-1} of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **10**, 182 (2017).

557. Aaboud, M. *et al.* Search for top quark decays $t \rightarrow qH$, with $H \rightarrow \gamma\gamma$, in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. *JHEP* **10**, 129 (2017).
558. Aaboud, M. *et al.* Search for Dark Matter Produced in Association with a Higgs Boson Decaying to $b\bar{b}$ using 36 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector. *Phys. Rev. Lett.* **119**, 181804 (2017).
559. Aaboud, M. *et al.* Measurement of jet p_T correlations in Pb+Pb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. *Phys. Lett.* **B774**, 379–402 (2017).
560. Aaboud, M. *et al.* Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *JHEP* **08**, 006 (2017).
561. Aaboud, M. *et al.* Search for dark matter in association with a Higgs boson decaying to two photons at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D96**, 112004 (2017).
562. Aaboud, M. *et al.* Measurement of the inclusive jet cross-sections in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **09**, 020 (2017).
563. Aaboud, M. *et al.* Measurement of the $t\bar{t}\gamma$ production cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **11**, 086 (2017).
564. Aaboud, M. *et al.* Measurement of $WW/WZ \rightarrow \ell\nu qq'$ production with the hadronically decaying boson reconstructed as one or two jets in pp collisions at $\sqrt{s} = 8$ TeV with ATLAS, and constraints on anomalous gauge couplings. *Eur. Phys. J.* **C77**, 563 (2017).
565. Aaboud, M. *et al.* Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *JHEP* **08**, 052 (2017).
566. Aaboud, M. *et al.* Search for the dimuon decay of the Higgs boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev. Lett.* **119**, 051802 (2017).
567. Aaboud, M. *et al.* Measurement of multi-particle azimuthal correlations in pp , $p+\text{Pb}$ and low-multiplicity Pb+Pb collisions with the ATLAS detector. *Eur. Phys. J.* **C77**, 428 (2017).
568. Aaboud, M. *et al.* Measurement of b -hadron pair production with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV. *JHEP* **11**, 062 (2017).
569. Aaboud, M. *et al.* Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. *Eur. Phys. J.* **C77**. [Erratum: *Eur. Phys. J.*C77,no.10,712(2017)], 580 (2017).
570. Aaboud, M. *et al.* Studies of $Z\gamma$ production in association with a high-mass dijet system in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **07**, 107 (2017).
571. Aaboud, M. *et al.* Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using $\sqrt{s} = 13$ TeV proton-proton collision data. *JHEP* **09**, 088 (2017).
572. Aaboud, M. *et al.* Performance of the ATLAS Track Reconstruction Algorithms in Dense Environments in LHC Run 2. *Eur. Phys. J.* **C77**, 673 (2017).
573. Aaboud, M. *et al.* Search for dark matter at $\sqrt{s} = 13$ TeV in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. *Eur. Phys. J.* **C77**, 393 (2017).
574. Aaboud, M. *et al.* Measurements of integrated and differential cross sections for isolated photon pair production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Phys. Rev.* **D95**, 112005 (2017).
575. Aaboud, M. *et al.* Femtoscopy with identified charged pions in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ATLAS. *Phys. Rev.* **C96**, 064908 (2017).
576. Aaboud, M. *et al.* Measurement of the k_t splitting scales in $Z \rightarrow \ell\ell$ events in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **08**, 026 (2017).
577. Aaboud, M. *et al.* Jet reconstruction and performance using particle flow with the ATLAS Detector. *Eur. Phys. J.* **C77**, 466 (2017).
578. Aaboud, M. *et al.* Jet energy scale measurements and their systematic uncertainties in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D96**, 072002 (2017).

579. Aaboud, M. *et al.* Search for new phenomena in dijet events using 37 fb^{-1} of pp collision data collected at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. *Phys. Rev.* **D96**, 052004 (2017).
580. Aaboud, M. *et al.* Measurements of electroweak Wjj production and constraints on anomalous gauge couplings with the ATLAS detector. *Eur. Phys. J.* **C77**, 474 (2017).
581. Aaboud, M. *et al.* Measurement of the $t\bar{t}$ production cross section in the $\tau + \text{jets}$ final state in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector. *Phys. Rev.* **D95**, 072003 (2017).
582. Aaboud, M. *et al.* Probing the W tb vertex structure in t -channel single-top-quark production and decay in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. *JHEP* **04**, 124 (2017).
583. Aaboud, M. *et al.* Top-quark mass measurement in the all-hadronic $t\bar{t}$ decay channel at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. *JHEP* **09**, 118 (2017).
584. Aaboud, M. *et al.* Performance of the ATLAS Transition Radiation Tracker in Run 1 of the LHC: tracker properties. *JINST* **12**, P05002 (2017).
585. Aaboud, M. *et al.* Measurements of the production cross section of a Z boson in association with jets in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. *Eur. Phys. J.* **C77**, 361 (2017).
586. Aaboud, M. *et al.* Measurement of the W^+W^- production cross section in pp collisions at a centre-of-mass energy of $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS experiment. *Phys. Lett.* **B773**, 354–374 (2017).
587. Aaboud, M. *et al.* Fiducial, total and differential cross-section measurements of t -channel single top-quark production in pp collisions at 8 TeV using data collected by the ATLAS detector. *Eur. Phys. J.* **C77**, 531 (2017).
588. Aaboud, M. *et al.* Evidence for light-by-light scattering in heavy-ion collisions with the ATLAS detector at the LHC. *Nature Phys.* **13**, 852–858 (2017).
589. Aaboud, M. *et al.* Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{\text{NN}}} = 2.76 \text{ TeV}$ with the ATLAS detector at the LHC. *Eur. Phys. J.* **C77**, 379 (2017).
590. Aaboud, M. *et al.* Measurement of the cross section for inclusive isolated-photon production in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector. *Phys. Lett.* **B770**, 473–493 (2017).
591. Aaboud, M. *et al.* Measurement of charged-particle distributions sensitive to the underlying event in $\sqrt{s} = 13 \text{ TeV}$ proton-proton collisions with the ATLAS detector at the LHC. *JHEP* **03**, 157 (2017).
592. Aaboud, M. *et al.* Measurements of top quark spin observables in $t\bar{t}$ events using dilepton final states in $\sqrt{s} = 8 \text{ TeV}$ pp collisions with the ATLAS detector. *JHEP* **03**, 113 (2017).
593. Aaboud, M. *et al.* Measurements of top-quark pair differential cross-sections in the $e\mu$ channel in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector. *Eur. Phys. J.* **C77**, 292 (2017).
594. Aaboud, M. *et al.* Measurements of top-quark pair to Z -boson cross-section ratios at $\sqrt{s} = 13, 8, 7 \text{ TeV}$ with the ATLAS detector. *JHEP* **02**, 117 (2017).
595. Aaboud, M. *et al.* Precision measurement and interpretation of inclusive W^+ , W^- and Z/γ^* production cross sections with the ATLAS detector. *Eur. Phys. J.* **C77**, 367 (2017).
596. Aaboud, M. *et al.* Measurement of the prompt J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. *Eur. Phys. J.* **C77**, 76 (2017).
597. Aaboud, M. *et al.* Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. *Eur. Phys. J.* **C77**, 195 (2017).
598. Aaboud, M. *et al.* Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. *Eur. Phys. J.* **C77**, 332 (2017).
599. Aaboud, M. *et al.* Performance of the ATLAS Trigger System in 2015. *Eur. Phys. J.* **C77**, 317 (2017).
600. Aaboud, M. *et al.* High- E_T isolated-photon plus jets production in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. *Nucl. Phys.* **B918**, 257–316 (2017).
601. Aaboud, M. *et al.* Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector. *Eur. Phys. J.* **C77**, 144 (2017).

602. Aaboud, M. *et al.* Measurement of $W^\pm W^\pm$ vector-boson scattering and limits on anomalous quartic gauge couplings with the ATLAS detector. *Phys. Rev.* **D96**, 012007 (2017).
603. Aaboud, M. *et al.* Measurement of jet activity produced in top-quark events with an electron, a muon and two b -tagged jets in the final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J.* **C77**, 220 (2017).
604. Aaboud, M. *et al.* Measurements of $\psi(2S)$ and $X(3872) \rightarrow J/\psi\pi^+\pi^-$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **01**, 117 (2017).
605. Aaboud, M. *et al.* Measurements of charge and CP asymmetries in b -hadron decays using top-quark events collected by the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. *JHEP* **02**, 071 (2017).
606. Aaboud, M. *et al.* Measurement of the ZZ production cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV using the $ZZ \rightarrow \ell^-\ell^+\ell^-\ell^+$ and $ZZ \rightarrow \ell^-\ell^+\nu\bar{\nu}$ channels with the ATLAS detector. *JHEP* **01**, 099 (2017).
607. Aaboud, M. *et al.* Search for triboson $W^\pm W^\pm W^\mp$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Eur. Phys. J.* **C77**, 141 (2017).
608. Aad, G. *et al.* Performance of algorithms that reconstruct missing transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions in the ATLAS detector. *Eur. Phys. J.* **C77**, 241 (2017).
609. Aaboud, M. *et al.* Measurement of W boson angular distributions in events with high transverse momentum jets at $\sqrt{s} = 8$ TeV using the ATLAS detector. *Phys. Lett.* **B765**, 132–153 (2017).
610. Aaboud, M. *et al.* Measurements of long-range azimuthal anisotropies and associated Fourier coefficients for pp collisions at $\sqrt{s} = 5.02$ and 13 TeV and p +Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. *Phys. Rev.* **C96**, 024908 (2017).
611. Aaboud, M. *et al.* Search for anomalous electroweak production of WW/WZ in association with a high-mass dijet system in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Phys. Rev.* **D95**, 032001 (2017).
612. Aaboud, M. *et al.* Search for dark matter in association with a Higgs boson decaying to b -quarks in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett.* **B765**, 11–31 (2017).
613. Aaboud, M. *et al.* Measurement of the inclusive cross-sections of single top-quark and top-antiquark t -channel production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **04**, 086 (2017).
614. Aaboud, M. *et al.* Measurement of the $t\bar{t}Z$ and $t\bar{t}W$ production cross sections in multilepton final states using 3.2 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J.* **C77**, 40 (2017).
615. Aaboud, M. *et al.* A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 pp -collision data with the ATLAS detector. *Eur. Phys. J.* **C77**, 26 (2017).
616. Aaboud, M. *et al.* Search for heavy resonances decaying to a Z boson and a photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett.* **B764**, 11–30 (2017).
617. Aaboud, M. *et al.* Search for new resonances decaying to a W or Z boson and a Higgs boson in the $\ell^+\ell^-b\bar{b}$, $\ell\nu b\bar{b}$, and $\nu\bar{\nu}b\bar{b}$ channels with pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett.* **B765**, 32–52 (2017).
618. Aaboud, M. *et al.* Measurement of forward-backward multiplicity correlations in lead-lead, proton-lead, and proton-proton collisions with the ATLAS detector. *Phys. Rev.* **C95**, 064914 (2017).
619. Aaboud, M. *et al.* Measurement of the $t\bar{t}$ production cross-section using $e\mu$ events with b -tagged jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. *Phys. Lett.* **B761**. [Erratum: *Phys. Lett.*B772,879(2017)], 136–157 (2016).
620. Aad, G. *et al.* Search for lepton-flavour-violating decays of the Higgs and Z bosons with the ATLAS detector. *Eur. Phys. J.* **C77**, 70 (2017).
621. Aad, G. *et al.* Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. *Eur. Phys. J.* **C77**, 490 (2017).

622. Aad, G. *et al.* Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. *Eur. Phys. J.* **C76**. [Erratum: *Eur. Phys. J.* C77,564(2017)], 87 (2016).
623. Aaboud, M. *et al.* A measurement of material in the ATLAS tracker using secondary hadronic interactions in 7 TeV pp collisions. *JINST* **11**, P11020 (2016).
624. Aaboud, M. *et al.* Luminosity determination in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector at the LHC. *Eur. Phys. J.* **C76**, 653 (2016).
625. Aaboud, M. *et al.* Measurement of W^+W^- production in association with one jet in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. *Phys. Lett.* **B763**, 114–133 (2016).
626. Aaboud, M. *et al.* Search for dark matter produced in association with a hadronically decaying vector boson in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. *Phys. Lett.* **B763**, 251–268 (2016).
627. Aaboud, M. *et al.* Study of hard double-parton scattering in four-jet events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS experiment. *JHEP* **11**, 110 (2016).
628. Aaboud, M. *et al.* Search for Minimal Supersymmetric Standard Model Higgs bosons H/A and for a Z' boson in the $\tau\tau$ final state produced in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS Detector. *Eur. Phys. J.* **C76**, 585 (2016).
629. Aaboud, M. *et al.* Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in $\sqrt{s} = 8 \text{ TeV}$ proton-proton collisions. *JHEP* **09**, 175 (2016).
630. Aaboud, M. *et al.* Measurement of the $b\bar{b}$ dijet cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. *Eur. Phys. J.* **C76**, 670 (2016).
631. Aaboud, M. *et al.* Search for new phenomena in different-flavour high-mass dilepton final states in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. *Eur. Phys. J.* **C76**, 541 (2016).
632. Aaboud, M. *et al.* Measurement of the total cross section from elastic scattering in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. *Phys. Lett.* **B761**, 158–178 (2016).
633. Aaboud, M. *et al.* Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ recorded with the ATLAS detector. *Eur. Phys. J.* **C76**, 683 (2016).
634. Aaboud, M. *et al.* Measurement of exclusive $\gamma\gamma \rightarrow W^+W^-$ production and search for exclusive Higgs boson production in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector. *Phys. Rev.* **D94**, 032011 (2016).
635. Aaboud, M. *et al.* Search for high-mass new phenomena in the dilepton final state using proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. *Phys. Lett.* **B761**, 372–392 (2016).
636. Aaboud, M. *et al.* Search for Higgs and Z Boson Decays to $\phi\gamma$ with the ATLAS Detector. *Phys. Rev. Lett.* **117**, 111802 (2016).
637. Aaboud, M. *et al.* Measurement of jet activity in top quark events using the $e\mu$ final state with two b -tagged jets in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. *JHEP* **09**, 074 (2016).
638. Aaboud, M. *et al.* Search for supersymmetry in a final state containing two photons and missing transverse momentum in $\sqrt{s} = 13 \text{ TeV}$ pp collisions at the LHC using the ATLAS detector. *Eur. Phys. J.* **C76**, 517 (2016).
639. Aaboud, M. *et al.* Search for bottom squark pair production in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. *Eur. Phys. J.* **C76**, 547 (2016).
640. Aaboud, M. *et al.* Search for the Higgs boson produced in association with a W boson and decaying to four b -quarks via two spin-zero particles in pp collisions at 13 TeV with the ATLAS detector. *Eur. Phys. J.* **C76**, 605 (2016).
641. Aad, G. *et al.* The performance of the jet trigger for the ATLAS detector during 2011 data taking. *Eur. Phys. J.* **C76**, 526 (2016).
642. Aaboud, M. *et al.* Search for heavy long-lived charged R -hadrons with the ATLAS detector in 3.2 fb^{-1} of proton-proton collision data at $\sqrt{s} = 13 \text{ TeV}$. *Phys. Lett.* **B760**, 647–665 (2016).

643. Aaboud, M. *et al.* Searches for heavy diboson resonances in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *JHEP* **09**, 173 (2016).
644. Aaboud, M. *et al.* Search for pair production of Higgs bosons in the $b\bar{b}b\bar{b}$ final state using proton–proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D94**, 052002 (2016).
645. Aaboud, M. *et al.* Measurement of the $W^{\pm}Z$ boson pair-production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector. *Phys. Lett.* **B762**, 1–22 (2016).
646. Aaboud, M. *et al.* Search for new resonances in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Lett.* **B762**, 334–352 (2016).
647. Aaboud, M. *et al.* Search for top squarks in final states with one isolated lepton, jets, and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. *Phys. Rev.* **D94**, 052009 (2016).
648. Aaboud, M. *et al.* Search for resonances in diphoton events at $\sqrt{s}=13$ TeV with the ATLAS detector. *JHEP* **09**, 001 (2016).
649. Aaboud, M. *et al.* Measurement of the Inelastic Proton-Proton Cross Section at $\sqrt{s} = 13$ TeV with the ATLAS Detector at the LHC. *Phys. Rev. Lett.* **117**, 182002 (2016).
650. Aad, G. *et al.* Measurements of the Higgs boson production and decay rates and constraints on its couplings from a combined ATLAS and CMS analysis of the LHC pp collision data at $\sqrt{s} = 7$ and 8 TeV. *JHEP* **08**, 045 (2016).
651. Aaboud, M. *et al.* Search for TeV-scale gravity signatures in high-mass final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 13$ TeV. *Phys. Lett.* **B760**, 520–537 (2016).
652. Aaboud, M. *et al.* Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. *JHEP* **11**, 112 (2016).
653. Aaboud, M. *et al.* Measurement of the top quark mass in the $t\bar{t} \rightarrow$ dilepton channel from $\sqrt{s} = 8$ TeV ATLAS data. *Phys. Lett.* **B761**, 350–371 (2016).
654. Aaboud, M. *et al.* Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. *Eur. Phys. J.* **C76**, 666 (2016).
655. Aad, G. *et al.* Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **08**, 009 (2016).
656. Aaboud, M. *et al.* Charged-particle distributions at low transverse momentum in $\sqrt{s} = 13$ TeV pp interactions measured with the ATLAS detector at the LHC. *Eur. Phys. J.* **C76**, 502 (2016).
657. Aad, G. *et al.* Measurement of the angular coefficients in Z -boson events using electron and muon pairs from data taken at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **08**, 159 (2016).
658. Aad, G. *et al.* Search for pair production of gluinos decaying via stop and sbottom in events with b -jets and large missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Phys. Rev.* **D94**, 032003 (2016).
659. Aaboud, M. *et al.* Measurement of the relative width difference of the B^0 - \bar{B}^0 system with the ATLAS detector. *JHEP* **06**, 081 (2016).
660. Aad, G. *et al.* Transverse momentum, rapidity, and centrality dependence of inclusive charged-particle production in $\sqrt{s_{NN}} = 5.02$ TeV $p + \text{Pb}$ collisions measured by the ATLAS experiment. *Phys. Lett.* **B763**, 313–336 (2016).
661. Aaboud, M. *et al.* Search for scalar leptoquarks in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment. *New J. Phys.* **18**, 093016 (2016).
662. Aad, G. *et al.* Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J.* **C76**, 565 (2016).
663. Aaboud, M. *et al.* Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Eur. Phys. J.* **C76**, 392 (2016).
664. Aad, G. *et al.* Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **08**, 005 (2016).

665. Aaboud, M. *et al.* Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. *Phys. Rev.* **D94**, 032005 (2016).
666. Aad, G. *et al.* Measurements of the charge asymmetry in top-quark pair production in the dilepton final state at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Phys. Rev.* **D94**, 032006 (2016).
667. Aad, G. *et al.* Measurements of $Z\gamma$ and $Z\gamma\gamma$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Phys. Rev.* **D93**, 112002 (2016).
668. Aaboud, M. *et al.* Search for metastable heavy charged particles with large ionization energy loss in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS experiment. *Phys. Rev.* **D93**, 112015 (2016).
669. Aaboud, M. *et al.* Study of the rare decays of B_s^0 and B^0 into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. *Eur. Phys. J.* **C76**, 513 (2016).
670. Aad, G. *et al.* Search for the Standard Model Higgs boson decaying into $b\bar{b}$ produced in association with top quarks decaying hadronically in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **05**, 160 (2016).
671. Aad, G. *et al.*
672. Aad, G. *et al.* Measurement of four-jet differential cross sections in $\sqrt{s} = 8$ TeV proton-proton collisions using the ATLAS detector. *JHEP* **12**, 105 (2015).
673. Aad, G. *et al.* Search for flavour-changing neutral current top quark decays $t \rightarrow Hq$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **12**, 061 (2015).
674. Aad, G. *et al.* Measurement of the $t\bar{t}W$ and $t\bar{t}Z$ production cross sections in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **11**, 172 (2015).
675. Aad, G. *et al.* Searches for Higgs boson pair production in the $hh \rightarrow bb\tau\tau, \gamma\gamma WW^*, \gamma\gamma bb, bbbb$ channels with the ATLAS detector. *Phys. Rev.* **D92**, 092004 (2015).
676. Aad, G. *et al.* Search for pair production of a new heavy quark that decays into a W boson and a light quark in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Phys. Rev.* **D92**, 112007 (2015).
677. Aad, G. *et al.* Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. *JHEP* **11**, 206 (2015).
678. Aad, G. *et al.* Summary of the ATLAS experiment's sensitivity to supersymmetry after LHC Run 1 interpreted in the phenomenological MSSM. *JHEP* **10**, 134 (2015).
679. Aad, G. *et al.* Search for lepton-flavour-violating $H \rightarrow \mu\tau$ decays of the Higgs boson with the ATLAS detector. *JHEP* **11**, 211 (2015).
680. Aad, G. *et al.* Measurement of transverse energy-energy correlations in multi-jet events in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector and determination of the strong coupling constant $\alpha_s(m_Z)$. *Phys. Lett.* **B750**, 427–447 (2015).
681. Aad, G. *et al.* Determination of the ratio of b -quark fragmentation fractions f_s/f_d in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Rev. Lett.* **115**, 262001 (2015).
682. Aad, G. *et al.* Measurement of the branching ratio $\Gamma(\Lambda_b^0 \rightarrow \psi(2S)\Lambda^0)/\Gamma(\Lambda_b^0 \rightarrow J/\psi\Lambda^0)$ with the ATLAS detector. *Phys. Lett.* **B751**, 63–80 (2015).
683. Aad, G. *et al.* Z boson production in p +Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV measured with the ATLAS detector. *Phys. Rev.* **C92**, 044915 (2015).
684. Aad, G. *et al.* Summary of the searches for squarks and gluinos using $\sqrt{s} = 8$ TeV pp collisions with the ATLAS experiment at the LHC. *JHEP* **10**, 054 (2015).
685. Aad, G. *et al.* Search for photonic signatures of gauge-mediated supersymmetry in 8 TeV pp collisions with the ATLAS detector. *Phys. Rev.* **D92**, 072001 (2015).
686. Aad, G. *et al.* Determination of the top-quark pole mass using $t\bar{t} + 1$ -jet events collected with the ATLAS experiment in 7 TeV pp collisions. *JHEP* **10**, 121 (2015).

687. Aad, G. *et al.* Measurement of the production of neighbouring jets in lead-lead collisions at $\sqrt{s_{\text{NN}}} = 2.76\text{TeV}$ with the ATLAS detector. *Phys. Lett.* **B751**, 376–395 (2015).
688. Aad, G. *et al.* ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. *Eur. Phys. J.* **C75**. [Erratum: *Eur. Phys. J.* C76,no.3,153(2016)], 510 (2015).
689. Aad, G. *et al.* Measurement of exclusive $\gamma\gamma \rightarrow \ell^+\ell^-$ production in proton-proton collisions at $\sqrt{s} = 7\text{TeV}$ with the ATLAS detector. *Phys. Lett.* **B749**, 242–261 (2015).
690. Aad, G. *et al.* Study of (W/Z)H production and Higgs boson couplings using $H \rightarrow WW^*$ decays with the ATLAS detector. *JHEP* **08**, 137 (2015).
691. Aad, G. *et al.* Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at $\sqrt{s} = 8\text{TeV}$. *JHEP* **07**, 162 (2015).
692. Aad, G. *et al.* Search for the associated production of the Higgs boson with a top quark pair in multilepton final states with the ATLAS detector. *Phys. Lett.* **B749**, 519–541 (2015).
693. Aad, G. *et al.* Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. *Eur. Phys. J.* **C75**. [Erratum: *Eur. Phys. J.* C76,no.3,152(2016)], 476 (2015).
694. Aad, G. *et al.* Measurement of colour flow with the jet pull angle in $t\bar{t}$ events using the ATLAS detector at $\sqrt{s} = 8\text{TeV}$. *Phys. Lett.* **B750**, 475–493 (2015).
695. Aad, G. *et al.* Modelling $Z \rightarrow \tau\tau$ processes in ATLAS with τ -embedded $Z \rightarrow \mu\mu$ data. *JINST* **10**, P09018 (2015).
696. Aad, G. *et al.* Search for metastable heavy charged particles with large ionisation energy loss in pp collisions at $\sqrt{s} = 8\text{TeV}$ using the ATLAS experiment. *Eur. Phys. J.* **C75**, 407 (2015).
697. Aad, G. *et al.* Measurements of the top quark branching ratios into channels with leptons and quarks with the ATLAS detector. *Phys. Rev.* **D92**, 072005 (2015).
698. Aad, G. *et al.* Search for type-III Seesaw heavy leptons in pp collisions at $\sqrt{s} = 8\text{TeV}$ with the ATLAS Detector. *Phys. Rev.* **D92**, 032001 (2015).
699. Aad, G. *et al.* Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at $\sqrt{s} = 8\text{TeV}$ with the ATLAS detector. *JHEP* **09**, 108 (2015).
700. Aad, G. *et al.* Search for Dark Matter in Events with Missing Transverse Momentum and a Higgs Boson Decaying to Two Photons in pp Collisions at $\sqrt{s} = 8\text{TeV}$ with the ATLAS Detector. *Phys. Rev. Lett.* **115**, 131801 (2015).
701. Aad, G. *et al.* Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $\sqrt{s} = 8\text{TeV}$ with the ATLAS detector. *JHEP* **12**, 055 (2015).
702. Aad, G. *et al.* Search for Higgs boson pair production in the $b\bar{b}b\bar{b}$ final state from pp collisions at $\sqrt{s} = 8\text{TeV}$ with the ATLAS detector. *Eur. Phys. J.* **C75**, 412 (2015).
703. Aad, G. *et al.* Measurement of differential J/ψ production cross sections and forward-backward ratios in p + Pb collisions with the ATLAS detector. *Phys. Rev.* **C92**, 034904 (2015).
704. Aad, G. *et al.* Search for new light gauge bosons in Higgs boson decays to four-lepton final states in pp collisions at $\sqrt{s} = 8\text{TeV}$ with the ATLAS detector at the LHC. *Phys. Rev.* **D92**, 092001 (2015).
705. Aad, G. *et al.* A search for $t\bar{t}$ resonances using lepton-plus-jets events in proton-proton collisions at $\sqrt{s} = 8\text{TeV}$ with the ATLAS detector. *JHEP* **08**, 148 (2015).
706. Aad, G. *et al.* Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 8\text{TeV}$ with the ATLAS detector. *JHEP* **08**, 105 (2015).
707. Aad, G. *et al.* Search for Higgs bosons decaying to aa in the $\mu\mu\tau\tau$ final state in pp collisions at $\sqrt{s} = 8\text{TeV}$ with the ATLAS experiment. *Phys. Rev.* **D92**, 052002 (2015).
708. Aad, G. *et al.* Measurements of the Total and Differential Higgs Boson Production Cross Sections Combining the $H \rightarrow \gamma\gamma$ and $H \rightarrow ZZ^* \rightarrow 4l$ Decay Channels at $\sqrt{s}=8\text{TeV}$ with the ATLAS Detector. *Phys. Rev. Lett.* **115**, 091801 (2015).

709. Aad, G. *et al.* Search for high-mass diphoton resonances in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Phys. Rev.* **D92**, 032004 (2015).
710. Aad, G. *et al.* Search for massive, long-lived particles using multitrack displaced vertices or displaced lepton pairs in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Phys. Rev.* **D92**, 072004 (2015).
711. Aad, G. *et al.* Analysis of events with b -jets and a pair of leptons of the same charge in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **10**, 150 (2015).
712. Aad, G. *et al.* Measurement of charged-particle spectra in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC. *JHEP* **09**, 050 (2015).
713. Aad, G. *et al.* Search for invisible decays of the Higgs boson produced in association with a hadronically decaying vector boson in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Eur. Phys. J.* **C75**, 337 (2015).
714. Aad, G. *et al.* Measurement of the top pair production cross section in 8 TeV proton-proton collisions using kinematic information in the lepton+jets final state with ATLAS. *Phys. Rev.* **D91**, 112013 (2015).
715. Aad, G. *et al.* Search for heavy long-lived multi-charged particles in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. *Eur. Phys. J.* **C75**, 362 (2015).
716. Aad, G. *et al.* Search for long-lived, weakly interacting particles that decay to displaced hadronic jets in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Phys. Rev.* **D92**, 012010 (2015).
717. Aad, G. *et al.* Measurement of the correlation between flow harmonics of different order in lead-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. *Phys. Rev.* **C92**, 034903 (2015).
718. Aad, G. *et al.* Search for New Phenomena in Dijet Angular Distributions in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV Measured with the ATLAS Detector. *Phys. Rev. Lett.* **114**, 221802 (2015).
719. Aad, G. *et al.* Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at $\sqrt{s} = 8$ TeV. *JHEP* **07**, 032 (2015).
720. Aad, G. *et al.* Search for a new resonance decaying to a W or Z boson and a Higgs boson in the $\ell\ell/\ell\nu/\nu\nu + b\bar{b}$ final states with the ATLAS detector. *Eur. Phys. J.* **C75**, 263 (2015).
721. Aad, G. *et al.* Combined Measurement of the Higgs Boson Mass in pp Collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS and CMS Experiments. *Phys. Rev. Lett.* **114**, 191803 (2015).
722. Aad, G. *et al.* Measurement of the top quark mass in the $t\bar{t} \rightarrow$ lepton+jets and $t\bar{t} \rightarrow$ dilepton channels using $\sqrt{s} = 7$ TeV ATLAS data. *Eur. Phys. J.* **C75**, 330 (2015).
723. Aad, G. *et al.* Search for vector-like B quarks in events with one isolated lepton, missing transverse momentum and jets at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Phys. Rev.* **D91**, 112011 (2015).
724. Aad, G. *et al.* Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $b\bar{b}$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Eur. Phys. J.* **C75**, 349 (2015).
725. Aad, G. *et al.* Search for production of WW/WZ resonances decaying to a lepton, neutrino and jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Eur. Phys. J.* **C75**. [Erratum: *Eur. Phys. J.*C75,370(2015)], 209 (2015).
726. Aad, G. *et al.* Search for a Heavy Neutral Particle Decaying to $e\mu$, $e\tau$, or $\mu\tau$ in pp Collisions at $\sqrt{s} = 8$ TeV with the ATLAS Detector. *Phys. Rev. Lett.* **115**, 031801 (2015).
727. Aad, G. *et al.* Search for a Charged Higgs Boson Produced in the Vector-Boson Fusion Mode with Decay $H^{\pm} \rightarrow W^{\pm}Z$ using pp Collisions at $\sqrt{s} = 8$ TeV with the ATLAS Experiment. *Phys. Rev. Lett.* **114**, 231801 (2015).
728. Aad, G. *et al.* Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *JHEP* **09**, 049 (2015).
729. Aad, G. *et al.* Determination of spin and parity of the Higgs boson in the $WW^* \rightarrow e\nu\mu\nu$ decay channel with the ATLAS detector. *Eur. Phys. J.* **C75**, 231 (2015).
730. Aad, G. *et al.* Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. *Eur. Phys. J.* **C75**. [Erratum: *Eur. Phys. J.*C75,no.10,463(2015)], 318 (2015).

731. Aad, G. *et al.* Evidence of $W\gamma\gamma$ Production in pp Collisions at $\sqrt{s}=8$ TeV and Limits on Anomalous Quartic Gauge Couplings with the ATLAS Detector. *Phys. Rev. Lett.* **115**, 031802 (2015).
732. Aad, G. *et al.* Constraints on the off-shell Higgs boson signal strength in the high-mass ZZ and WW final states with the ATLAS detector. *Eur. Phys. J.* **C75**, 335 (2015).
733. Aad, G. *et al.* Two-particle Bose-Einstein correlations in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV measured with the ATLAS detector. *Eur. Phys. J.* **C75**, 466 (2015).
734. Aad, G. *et al.* A search for high-mass resonances decaying to $\tau^+\tau^-$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **07**, 157 (2015).
735. Aad, G. *et al.* Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at $\sqrt{s} = 7$ TeV in the ATLAS detector. *JHEP* **06**, 100 (2015).
736. Aad, G. *et al.* Search for massive supersymmetric particles decaying to many jets using the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. *Phys. Rev.* **D91**. [Erratum: *Phys. Rev.*D93,no.3,039901(2016)], 112016 (2015).
737. Aad, G. *et al.* Search for a CP-odd Higgs boson decaying to Zh in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Phys. Lett.* **B744**, 163–183 (2015).
738. Aad, G. *et al.* Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Eur. Phys. J.* **C75**. [Erratum: *Eur. Phys. J.*C75,no.9,408(2015)], 299 (2015).
739. Aad, G. *et al.* Observation of top-quark pair production in association with a photon and measurement of the $t\bar{t}\gamma$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. *Phys. Rev.* **D91**, 072007 (2015).
740. Aad, G. *et al.* Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. *JHEP* **05**, 061 (2015).
741. Aad, G. *et al.* Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. *Eur. Phys. J.* **C75**, 208 (2015).
742. Aad, G. *et al.* Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. *JHEP* **04**, 117 (2015).
743. Aad, G. *et al.* Search for pair-produced long-lived neutral particles decaying in the ATLAS hadronic calorimeter in pp collisions at $\sqrt{s} = 8$ TeV. *Phys. Lett.* **B743**, 15–34 (2015).
744. Aad, G. *et al.* Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **04**, 116 (2015).
745. Aad, G. *et al.* Search for Higgs and Z Boson Decays to $J/\Psi\gamma$ and $\Upsilon(nS)\gamma$ with the ATLAS Detector. *Phys. Rev. Lett.* **114**, 121801 (2015).
746. Aad, G. *et al.* Search for Scalar Charm Quark Pair Production in pp Collisions at $\sqrt{s} = 8$ TeV with the ATLAS Detector. *Phys. Rev. Lett.* **114**, 161801 (2015).
747. Aad, G. *et al.* Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in pp collisions at $\sqrt{s}=8$ TeV. *Eur. Phys. J.* **C75**, 303 (2015).
748. Aad, G. *et al.* Search for charged Higgs bosons decaying via $H^\pm \rightarrow \tau^\pm\nu$ in fully hadronic final states using pp collision data at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **03**, 088 (2015).
749. Aad, G. *et al.* Observation and measurements of the production of prompt and non-prompt J/ψ mesons in association with a Z boson in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Eur. Phys. J.* **C75**, 229 (2015).
750. Aad, G. *et al.* Measurement of Spin Correlation in Top-Antitop Quark Events and Search for Top Squark Pair Production in pp Collisions at $\sqrt{s} = 8$ TeV Using the ATLAS Detector. *Phys. Rev. Lett.* **114**, 142001 (2015).
751. Aad, G. *et al.* Centrality and rapidity dependence of inclusive jet production in $\sqrt{s_{NN}} = 5.02$ TeV proton-lead collisions with the ATLAS detector. *Phys. Lett.* **B748**, 392–413 (2015).

752. Aad, G. *et al.* Observation and measurement of Higgs boson decays to WW^* with the ATLAS detector. *Phys. Rev.* **D92**, 012006 (2015).
753. Aad, G. *et al.* Measurement of the transverse polarization of Λ and $\bar{\Lambda}$ hyperons produced in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. *Phys. Rev.* **D91**, 032004 (2015).
754. Aad, G. *et al.* Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with $\sqrt{s} = 8$ TeV pp collisions using the ATLAS detector. *JHEP* **03**, 041 (2015).
755. Aad, G. *et al.* Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV. *JHEP* **01**, 068 (2015).
756. Aad, G. *et al.* Search for new phenomena in events with three or more charged leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **08**, 138 (2015).
757. Aad, G. *et al.* Measurements of the Nuclear Modification Factor for Jets in Pb+Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS Detector. *Phys. Rev. Lett.* **114**, 072302 (2015).
758. Aad, G. *et al.* Measurement of three-jet production cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. *Eur. Phys. J.* **C75**, 228 (2015).
759. Aad, G. *et al.* Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Phys. Rev.* **D91**. [Erratum: *Phys. Rev.*D92,no.5,059903(2015)], 012008 (2015).
760. Aad, G. *et al.* Measurement of the inclusive jet cross-section in proton-proton collisions at $\sqrt{s} = 7$ TeV using 4.5 fb^{-1} of data with the ATLAS detector. *JHEP* **02**. [Erratum: *JHEP*09,141(2015)], 153 (2015).
761. Aad, G. *et al.* Measurement of the $WW+WZ$ cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at $\sqrt{s} = 7$ TeV. *JHEP* **01**, 049 (2015).
762. Aad, G. *et al.* Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Eur. Phys. J.* **C75**, 79 (2015).
763. Aad, G. *et al.* Search for the X_b and other hidden-beauty states in the $\pi^+\pi^-\Upsilon(1S)$ channel at ATLAS. *Phys. Lett.* **B740**, 199–217 (2015).
764. Aad, G. *et al.* Search for $W' \rightarrow t\bar{b}$ in the lepton plus jets final state in proton-proton collisions at a centre-of-mass energy of $\sqrt{s} = 8$ TeV with the ATLAS detector. *Phys. Lett.* **B743**, 235–255 (2015).
765. Aad, G. *et al.* Search for dark matter in events with heavy quarks and missing transverse momentum in pp collisions with the ATLAS detector. *Eur. Phys. J.* **C75**, 92 (2015).
766. Aad, G. *et al.* Search for s -channel single top-quark production in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Phys. Lett.* **B740**, 118–136 (2015).
767. Aad, G. *et al.* Measurements of the W production cross sections in association with jets with the ATLAS detector. *Eur. Phys. J.* **C75**, 82 (2015).
768. Aad, G. *et al.* Search for the $b\bar{b}$ decay of the Standard Model Higgs boson in associated $(W/Z)H$ production with the ATLAS detector. *JHEP* **01**, 069 (2015).
769. Aad, G. *et al.* Search for resonant diboson production in the $\ell\ell q\bar{q}$ final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Eur. Phys. J.* **C75**, 69 (2015).
770. Aad, G. *et al.* Search for $H \rightarrow \gamma\gamma$ produced in association with top quarks and constraints on the Yukawa coupling between the top quark and the Higgs boson using data taken at 7 TeV and 8 TeV with the ATLAS detector. *Phys. Lett.* **B740**, 222–242 (2015).
771. Aad, G. *et al.* Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at $\sqrt{s} = 7$ TeV. *Eur. Phys. J.* **C75**, 158 (2015).
772. Aad, G. *et al.* Measurements of Higgs boson production and couplings in the four-lepton channel in pp collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector. *Phys. Rev.* **D91**, 012006 (2015).
773. Aad, G. *et al.* Measurement of the production and lepton charge asymmetry of W bosons in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. *Eur. Phys. J.* **C75**, 23 (2015).

774. Aad, G. *et al.* Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s} = 8$ TeV. *Eur. Phys. J.* **C75**, 120 (2015).
775. Aad, G. *et al.* Search for $W' \rightarrow tb \rightarrow qqbb$ decays in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Eur. Phys. J.* **C75**, 165 (2015).
776. Aad, G. *et al.* Search for new phenomena in the dijet mass distribution using $p-p$ collision data at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Phys. Rev.* **D91**, 052007 (2015).
777. Aad, G. *et al.* Measurement of the $t\bar{t}$ production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. *JHEP* **01**, 020 (2015).
778. Aad, G. *et al.* Simultaneous measurements of the $t\bar{t}$, W^+W^- , and $Z/\gamma^* \rightarrow \tau\tau$ production cross-sections in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Rev.* **D91**, 052005 (2015).
779. Aad, G. *et al.* Search For Higgs Boson Pair Production in the $\gamma\gamma b\bar{b}$ Final State using pp Collision Data at $\sqrt{s} = 8$ TeV from the ATLAS Detector. *Phys. Rev. Lett.* **114**, 081802 (2015).
780. Aad, G. *et al.* Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Eur. Phys. J.* **C75**, 17 (2015).
781. Newman, J. A. *et al.* Spectroscopic needs for imaging dark energy experiments. *Astropart. Phys.* **63**. [Erratum: *Astropart. Phys.* 65,112(2015)], 81–100 (2015).
782. Aad, G. *et al.* Measurements of $W\gamma$ and $Z\gamma$ production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC. *Phys. Rev.* **D87**. [Erratum: *Phys. Rev.* D91,no.11,119901(2015)], 112003 (2013).
783. Aad, G. *et al.* Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **11**, 056 (2014).
784. Aad, G. *et al.* Search for nonpointing and delayed photons in the diphoton and missing transverse momentum final state in 8 TeV pp collisions at the LHC using the ATLAS detector. *Phys. Rev.* **D90**, 112005 (2014).
785. Aad, G. *et al.* Search for pair and single production of new heavy quarks that decay to a Z boson and a third-generation quark in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **11**, 104 (2014).
786. Aad, G. *et al.* Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Eur. Phys. J.* **C74**, 3195 (2014).
787. Aad, G. *et al.* Measurement of long-range pseudorapidity correlations and azimuthal harmonics in $\sqrt{s_{NN}} = 5.02$ TeV proton-lead collisions with the ATLAS detector. *Phys. Rev.* **C90**, 044906 (2014).
788. Aad, G. *et al.* Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **11**, 088 (2014).
789. Aad, G. *et al.* Measurement of Higgs boson production in the diphoton decay channel in pp collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector. *Phys. Rev.* **D90**, 112015 (2014).
790. Aad, G. *et al.* A measurement of the ratio of the production cross sections for W and Z bosons in association with jets with the ATLAS detector. *Eur. Phys. J.* **C74**, 3168 (2014).
791. Aad, G. *et al.* Measurement of the total cross section from elastic scattering in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Nucl. Phys.* **B889**, 486–548 (2014).
792. Aad, G. *et al.* Search for the lepton flavor violating decay $Z \rightarrow e\mu$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Phys. Rev.* **D90**, 072010 (2014).
793. Aad, G. *et al.* Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. *Eur. Phys. J.* **C74**, 3157 (2014).
794. Aad, G. *et al.* Fiducial and differential cross sections of Higgs boson production measured in the four-lepton decay channel in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. *Phys. Lett.* **B738**, 234–253 (2014).
795. Aad, G. *et al.* Search for new resonances in $W\gamma$ and $Z\gamma$ final states in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Phys. Lett.* **B738**, 428–447 (2014).

796. Aad, G. *et al.* Search for new particles in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **09**, 037 (2014).
797. Aad, G. *et al.* Search for Scalar Diphoton Resonances in the Mass Range 65 – 600 GeV with the ATLAS Detector in pp Collision Data at $\sqrt{s} = 8$ TeV. *Phys. Rev. Lett.* **113**, 171801 (2014).
798. Aad, G. *et al.* Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. *Eur. Phys. J.* **C74**, 3117 (2014).
799. Aad, G. *et al.* Measurement of the production cross-section of $\psi(2S) \rightarrow J/\psi(\rightarrow \mu^+\mu^-)\pi^+\pi^-$ in pp collisions at $\sqrt{s} = 7$ TeV at ATLAS. *JHEP* **09**, 079 (2014).
800. Aad, G. *et al.* Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. *Eur. Phys. J.* **C74**, 3071 (2014).
801. Aad, G. *et al.* Measurements of spin correlation in top-antitop quark events from proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. *Phys. Rev.* **D90**, 112016 (2014).
802. Aad, G. *et al.* Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at $\sqrt{s} = 8$ TeV with ATLAS. *JHEP* **09**, 112 (2014).
803. Aad, G. *et al.* Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. *Eur. Phys. J.* **C74**, 3130 (2014).
804. Aad, G. *et al.* Measurement of differential production cross-sections for a Z boson in association with b -jets in 7 TeV proton-proton collisions with the ATLAS detector. *JHEP* **10**, 141 (2014).
805. Aad, G. *et al.* Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Eur. Phys. J.* **C74**, 3134 (2014).
806. Aad, G. *et al.* Flavor tagged time-dependent angular analysis of the $B_s \rightarrow J/\psi\phi$ decay and extraction of $\Delta\Gamma$'s and the weak phase ϕ_s in ATLAS. *Phys. Rev.* **D90**, 052007 (2014).
807. Aad, G. *et al.* Observation of an Excited B_c^\pm Meson State with the ATLAS Detector. *Phys. Rev. Lett.* **113**, 212004 (2014).
808. Aad, G. *et al.* Measurement of the cross-section of high transverse momentum vector bosons reconstructed as single jets and studies of jet substructure in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *New J. Phys.* **16**, 113013 (2014).
809. Aad, G. *et al.* Search for pair-produced third-generation squarks decaying via charm quarks or in compressed supersymmetric scenarios in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Phys. Rev.* **D90**, 052008 (2014).
810. Aad, G. *et al.* Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 20 fb⁻¹ of $\sqrt{s} = 8$ TeV proton-proton collision data with the ATLAS detector. *JHEP* **09**, 103 (2014).
811. Aad, G. *et al.* Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b -jets at $\sqrt{s} = 8$ TeV proton-proton collisions with the ATLAS detector. *JHEP* **10**, 024 (2014).
812. Aad, G. *et al.* Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. *JHEP* **11**, 118 (2014).
813. Aad, G. *et al.* Measurements of normalized differential cross sections for $t\bar{t}$ production in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. *Phys. Rev.* **D90**, 072004 (2014).
814. Aad, G. *et al.* Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **10**, 096 (2014).
815. Aad, G. *et al.* Comprehensive measurements of t -channel single top-quark production cross sections at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Rev.* **D90**, 112006 (2014).
816. Aad, G. *et al.* A neural network clustering algorithm for the ATLAS silicon pixel detector. *JINST* **9**, P09009 (2014).

817. Aad, G. *et al.* Search for the Standard Model Higgs boson decay to $\mu^+\mu^-$ with the ATLAS detector. *Phys. Lett.* **B738**, 68–86 (2014).
818. Aad, G. *et al.* Measurement of the $t\bar{t}$ production cross-section using $e\mu$ events with b-tagged jets in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. *Eur. Phys. J.* **C74**. [Addendum: *Eur. Phys. J.* C76,no.11,642(2016)], 3109 (2014).
819. Aad, G. *et al.* Search for WZ resonances in the fully leptonic channel using pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Phys. Lett.* **B737**, 223–243 (2014).
820. Aad, G. *et al.* Measurement of the Higgs boson mass from the $H \rightarrow \gamma\gamma$ and $H \rightarrow ZZ^* \rightarrow 4\ell$ channels with the ATLAS detector using 25 fb^{-1} of pp collision data. *Phys. Rev.* **D90**, 052004 (2014).
821. Aad, G. *et al.* Measurement of the Z/γ^* boson transverse momentum distribution in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *JHEP* **09**, 145 (2014).
822. Aad, G. *et al.* Measurement of inclusive jet charged-particle fragmentation functions in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. *Phys. Lett.* **B739**, 320–342 (2014).
823. Aad, G. *et al.* Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **09**, 015 (2014).
824. Aad, G. *et al.* Measurement of the underlying event in jet events from 7 TeV proton-proton collisions with the ATLAS detector. *Eur. Phys. J.* **C74**, 2965 (2014).
825. Aad, G. *et al.* Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $\sqrt{s} = 8$ TeV proton-proton collision data. *JHEP* **09**, 176 (2014).
826. Aad, G. *et al.* Light-quark and gluon jet discrimination in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Eur. Phys. J.* **C74**, 3023 (2014).
827. Aad, G. *et al.* Evidence for Electroweak Production of $W^\pm W^\pm jj$ in pp Collisions at $\sqrt{s} = 8$ TeV with the ATLAS Detector. *Phys. Rev. Lett.* **113**, 141803 (2014).
828. Aad, G. *et al.* Search for supersymmetry in events with four or more leptons in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. *Phys. Rev.* **D90**, 052001 (2014).
829. Aad, G. *et al.* Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 8$ TeV. *JHEP* **08**, 103 (2014).
830. Aad, G. *et al.* Search for high-mass dilepton resonances in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Phys. Rev.* **D90**, 052005 (2014).
831. Aad, G. *et al.* Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. *Eur. Phys. J.* **C74**, 2982 (2014).
832. Aad, G. *et al.* Monitoring and data quality assessment of the ATLAS liquid argon calorimeter. *JINST* **9**, P07024 (2014).
833. Aad, G. *et al.* Operation and performance of the ATLAS semiconductor tracker. *JINST* **9**, P08009 (2014).
834. Aad, G. *et al.* Measurement of the cross section of high transverse momentum $Z \rightarrow b\bar{b}$ production in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS Detector. *Phys. Lett.* **B738**, 25–43 (2014).
835. Aad, G. *et al.* Measurement of χ_{c1} and χ_{c2} production with $\sqrt{s} = 7$ TeV pp collisions at ATLAS. *JHEP* **07**, 154 (2014).
836. Aad, G. *et al.* Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $\sqrt{s} = 7$ TeV in 2010. *Eur. Phys. J.* **C74**, 3034 (2014).
837. Aad, G. *et al.* Search for supersymmetry at $\sqrt{s} = 8$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. *JHEP* **06**, 035 (2014).
838. Aad, G. *et al.* Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. *Eur. Phys. J.* **C74**, 2941 (2014).
839. Aad, G. *et al.* Measurement of the low-mass Drell-Yan differential cross section at $\sqrt{s} = 7$ TeV using the ATLAS detector. *JHEP* **06**, 112 (2014).

840. Aad, G. *et al.* Measurement of the parity-violating asymmetry parameter α_b and the helicity amplitudes for the decay $\Lambda_b^0 \rightarrow J/\psi + \Lambda^0$ with the ATLAS detector. *Phys. Rev.* **D89**, 092009 (2014).
841. Aad, G. *et al.* Search for dark matter in events with a Z boson and missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. *Phys. Rev.* **D90**, 012004 (2014).
842. Aad, G. *et al.* Search for top quark decays $t \rightarrow qH$ with $H \rightarrow \gamma\gamma$ using the ATLAS detector. *JHEP* **06**, 008 (2014).
843. Aad, G. *et al.* Measurements of Four-Lepton Production at the Z Resonance in pp Collisions at $\sqrt{s} = 7$ and 8 TeV with ATLAS. *Phys. Rev. Lett.* **112**, 231806 (2014).
844. Aad, G. *et al.* Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **05**, 071 (2014).
845. Aad, G. *et al.* Search for direct top squark pair production in events with a Z boson, b-jets and missing transverse momentum in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. *Eur. Phys. J.* **C74**, 2883 (2014).
846. Aad, G. *et al.* Search for direct top-squark pair production in final states with two leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *JHEP* **06**, 124 (2014).
847. Aad, G. *et al.* Measurement of event-plane correlations in $\sqrt{s_{NN}} = 2.76$ TeV lead-lead collisions with the ATLAS detector. *Phys. Rev.* **C90**, 024905 (2014).
848. Aad, G. *et al.* Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. *JHEP* **04**, 169 (2014).
849. Aad, G. *et al.* Measurement of the production of a W boson in association with a charm quark in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *JHEP* **05**, 068 (2014).
850. Aad, G. *et al.* The differential production cross section of the ϕ (1020) meson in $\sqrt{s} = 7$ TeV pp collisions measured with the ATLAS detector. *Eur. Phys. J.* **C74**, 2895 (2014).
851. Aad, G. *et al.* Search for Invisible Decays of a Higgs Boson Produced in Association with a Z Boson in ATLAS. *Phys. Rev. Lett.* **112**, 201802 (2014).
852. Aad, G. *et al.* Search for Higgs boson decays to a photon and a Z boson in pp collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS detector. *Phys. Lett.* **B732**, 8–27 (2014).
853. Aad, G. *et al.* Measurement of the electroweak production of dijets in association with a Z-boson and distributions sensitive to vector boson fusion in proton-proton collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. *JHEP* **04**, 031 (2014).
854. Aad, G. *et al.* Measurement of the production cross section of prompt J/ψ mesons in association with a W^\pm boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *JHEP* **04**, 172 (2014).
855. Aad, G. *et al.* Measurement of dijet cross sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. *JHEP* **05**, 059 (2014).
856. Aad, G. *et al.* Search for a multi-Higgs-boson cascade in $W^+W^-b\bar{b}$ events with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. *Phys. Rev.* **D89**, 032002 (2014).
857. Aad, G. *et al.* Standalone vertex finding in the ATLAS muon spectrometer. *JINST* **9**, P02001 (2014).
858. Aad, G. *et al.* Measurement of the top quark pair production charge asymmetry in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. *JHEP* **02**, 107 (2014).
859. Aad, G. *et al.* Search for Quantum Black Hole Production in High-Invariant-Mass Lepton+Jet Final States Using pp Collisions at $\sqrt{s} = 8$ TeV and the ATLAS Detector. *Phys. Rev. Lett.* **112**, 091804 (2014).
860. Aad, G. *et al.* Measurement of the inclusive isolated prompt photons cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector using 4.6 fb^{-1} . *Phys. Rev.* **D89**, 052004 (2014).
861. Aad, G. *et al.* Measurement of the mass difference between top and anti-top quarks in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. *Phys. Lett.* **B728**, 363–379 (2014).

862. Aad, G. *et al.* Search for dark matter in events with a hadronically decaying W or Z boson and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Phys. Rev. Lett.* **112**, 041802 (2014).
863. Aad, G. *et al.* Search for new phenomena in photon+jet events collected in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *Phys. Lett.* **B728**, 562–578 (2014).
864. Aad, G. *et al.* Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at $\sqrt{s}=8$ TeV proton-proton collisions using the ATLAS experiment. *JHEP* **10**. [Erratum: JHEP01,109(2014)], 130 (2013).
865. Aad, G. *et al.* Measurements of Higgs boson production and couplings in diboson final states with the ATLAS detector at the LHC. *Phys. Lett.* **B726**. [Erratum: Phys. Lett.B734,406(2014)], 88–119 (2013).
866. Aad, G. *et al.* Study of heavy-flavor quarks produced in association with top-quark pairs at $\sqrt{s} = 7$ TeV using the ATLAS detector. *Phys. Rev.* **D89**, 072012 (2014).
867. Aad, G. *et al.* Search for long-lived stopped R-hadrons decaying out-of-time with pp collisions using the ATLAS detector. *Phys. Rev.* **D88**, 112003 (2013).
868. Aad, G. *et al.* Search for charginos nearly mass degenerate with the lightest neutralino based on a disappearing-track signature in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. *Phys. Rev.* **D88**, 112006 (2013).
869. Aad, G. *et al.* Search for microscopic black holes in a like-sign dimuon final state using large track multiplicity with the ATLAS detector. *Phys. Rev.* **D88**, 072001 (2013).
870. Aad, G. *et al.* Search for direct third-generation squark pair production in final states with missing transverse momentum and two b -jets in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. *JHEP* **10**, 189 (2013).
871. Aad, G. *et al.* Search for excited electrons and muons in $\sqrt{s}=8$ TeV proton-proton collisions with the ATLAS detector. *New J. Phys.* **15**, 093011 (2013).
872. Aad, G. *et al.* Dynamics of isolated-photon plus jet production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Nucl. Phys.* **B875**, 483–535 (2013).
873. Aad, G. *et al.* Measurement of Top Quark Polarization in Top-Antitop Events from Proton-Proton Collisions at $\sqrt{s} = 7$ TeV Using the ATLAS Detector. *Phys. Rev. Lett.* **111**, 232002 (2013).
874. Aad, G. *et al.* Measurement of jet shapes in top-quark pair events at $\sqrt{s} = 7$ TeV using the ATLAS detector. *Eur. Phys. J.* **C73**, 2676 (2013).
875. Aad, G. *et al.* Measurement of the top quark charge in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *JHEP* **11**, 031 (2013).
876. Aad, G. *et al.* Evidence for the spin-0 nature of the Higgs boson using ATLAS data. *Phys. Lett.* **B726**, 120–144 (2013).
877. Aad, G. *et al.* Measurement of the differential cross-section of B^+ meson production in pp collisions at $\sqrt{s} = 7$ TeV at ATLAS. *JHEP* **10**, 042 (2013).
878. Aad, G. *et al.* Measurement of the Azimuthal Angle Dependence of Inclusive Jet Yields in Pb+Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. *Phys. Rev. Lett.* **111**, 152301 (2013).
879. Aad, G. *et al.* Performance of jet substructure techniques for large- R jets in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. *JHEP* **09**, 076 (2013).
880. Aad, G. *et al.* Measurement of the high-mass Drell-Yan differential cross-section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. *Phys. Lett.* **B725**, 223–242 (2013).
881. Aad, G. *et al.* Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector at the LHC. *JHEP* **11**, 183 (2013).
882. Aad, G. *et al.* Search for $t\bar{t}$ resonances in the lepton plus jets final state with ATLAS using 4.7 fb^{-1} of pp collisions at $\sqrt{s} = 7$ TeV. *Phys. Rev.* **D88**, 012004 (2013).
883. Aad, G. *et al.* Triggers for displaced decays of long-lived neutral particles in the ATLAS detector. *JINST* **8**, P07015 (2013).

884. Aad, G. *et al.* Search for resonant diboson production in the $WW/WZ \rightarrow l\nu jj$ decay channels with the ATLAS detector at $\sqrt{s} = 7$ TeV. *Phys. Rev.* **D87**, 112006 (2013).
885. Aad, G. *et al.* Measurement of the production cross section of jets in association with a Z boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *JHEP* **07**, 032 (2013).
886. Aad, G. *et al.* Search for nonpointing photons in the diphoton and E_T^{miss} final state in $\sqrt{s}=7$ TeV proton-proton collisions using the ATLAS detector. *Phys. Rev.* **D88**, 012001 (2013).
887. Aad, G. *et al.* Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s}=2.76$ TeV and comparison to the inclusive jet cross section at $\sqrt{s}=7$ TeV using the ATLAS detector. *Eur. Phys. J.* **C73**, 2509 (2013).
888. Aad, G. *et al.* Measurement with the ATLAS detector of multi-particle azimuthal correlations in p+Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. *Phys. Lett.* **B725**, 60–78 (2013).
889. Aad, G. *et al.* Search for third generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *JHEP* **06**, 033 (2013).
890. Aad, G. *et al.* Characterisation and mitigation of beam-induced backgrounds observed in the ATLAS detector during the 2011 proton-proton run. *JINST* **8**, P07004 (2013).
891. Aad, G. *et al.* Search for WH production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. *New J. Phys.* **15**, 043009 (2013).
892. Aad, G. *et al.* Improved luminosity determination in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC. *Eur. Phys. J.* **C73**, 2518 (2013).
893. Aad, G. *et al.* Search for a light charged Higgs boson in the decay channel $H^+ \rightarrow c\bar{s}$ in $t\bar{t}$ events using pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Eur. Phys. J.* **C73**, 2465 (2013).
894. Aad, G. *et al.* Measurement of the cross-section for W boson production in association with b-jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *JHEP* **06**, 084 (2013).
895. Aad, G. *et al.* Measurement of kT splitting scales in $W\text{-}l\nu$ events at $\sqrt{s}=7$ TeV with the ATLAS detector. *Eur. Phys. J.* **C73**, 2432 (2013).
896. Aad, G. *et al.* Measurement of hard double-parton interactions in $W(\rightarrow l\nu)+2$ jet events at $\sqrt{s}=7$ TeV with the ATLAS detector. *New J. Phys.* **15**, 033038 (2013).
897. Aad, G. *et al.* Search for long-lived, multi-charged particles in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. *Phys. Lett.* **B722**, 305–323 (2013).
898. Aad, G. *et al.* Search for single b^* -quark production with the ATLAS detector at $\sqrt{s} = 7$ TeV. *Phys. Lett.* **B721**, 171–189 (2013).
899. Aad, G. *et al.* Multi-channel search for squarks and gluinos in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. *Eur. Phys. J.* **C73**, 2362 (2013).
900. Aad, G. *et al.* A search for prompt lepton-jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Lett.* **B719**, 299–317 (2013).
901. Aad, G. *et al.* Observation of Associated Near-Side and Away-Side Long-Range Correlations in $\sqrt{s_{NN}}=5.02$ TeV Proton-Lead Collisions with the ATLAS Detector. *Phys. Rev. Lett.* **110**, 182302 (2013).
902. Aad, G. *et al.* Search for charged Higgs bosons through the violation of lepton universality in $t\bar{t}$ events using pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS experiment. *JHEP* **03**, 076 (2013).
903. Aad, G. *et al.* Search for a heavy narrow resonance decaying to $e\mu$, $e\tau$, or $\mu\tau$ with the ATLAS detector in $\sqrt{s} = 7$ TeV pp collisions at the LHC. *Phys. Lett.* **B723**, 15–32 (2013).
904. Aad, G. *et al.* Measurement of Upsilon production in 7 TeV pp collisions at ATLAS. *Phys. Rev.* **D87**, 052004 (2013).
905. Aad, G. *et al.* Measurement of the $t\bar{t}$ production cross section in the tau+jets channel using the ATLAS detector. *Eur. Phys. J.* **C73**, 2328 (2013).
906. Aad, G. *et al.* Search for the neutral Higgs bosons of the Minimal Supersymmetric Standard Model in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *JHEP* **02**, 095 (2013).

907. Aad, G. *et al.* Measurement of angular correlations in Drell-Yan lepton pairs to probe Z/γ^* boson transverse momentum at $\sqrt{s}=7$ TeV with the ATLAS detector. *Phys. Lett.* **B720**, 32–51 (2013).
908. Aad, G. *et al.* Search for new phenomena in events with three charged leptons at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Rev.* **D87**, 052002 (2013).
909. Aad, G. *et al.* Measurement of ZZ production in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous ZZZ and $ZZ\gamma$ couplings with the ATLAS detector. *JHEP* **03**, 128 (2013).
910. Aad, G. *et al.* Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at $\sqrt{s} = 7$ TeV. *JHEP* **01**, 116 (2013).
911. Aad, G. *et al.* Measurement of isolated-photon pair production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *JHEP* **01**, 086 (2013).
912. Aad, G. *et al.* Searches for heavy long-lived sleptons and R-Hadrons with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. *Phys. Lett.* **B720**, 277–308 (2013).
913. Aad, G. *et al.* Search for supersymmetry in events with photons, bottom quarks, and missing transverse momentum in proton-proton collisions at a centre-of-mass energy of 7 TeV with the ATLAS detector. *Phys. Lett.* **B719**, 261–279 (2013).
914. Aad, G. *et al.* Search for contact interactions and large extra dimensions in dilepton events from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Rev.* **D87**, 015010 (2013).
915. Aad, G. *et al.* Search for Extra Dimensions in diphoton events using proton-proton collisions recorded at $\sqrt{s} = 7$ TeV with the ATLAS detector at the LHC. *New J. Phys.* **15**, 043007 (2013).
916. Aad, G. *et al.* Search for long-lived, heavy particles in final states with a muon and multi-track displaced vertex in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Lett.* **B719**, 280–298 (2013).
917. Aad, G. *et al.* A search for high-mass resonances decaying to $\tau^+\tau^-$ in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Lett.* **B719**, 242–260 (2013).
918. Aad, G. *et al.* Measurement of Z boson Production in Pb+Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS Detector. *Phys. Rev. Lett.* **110**, 022301 (2013).
919. Aad, G. *et al.* Jet energy resolution in proton-proton collisions at $\sqrt{s} = 7$ TeV recorded in 2010 with the ATLAS detector. *Eur. Phys. J.* **C73**, 2306 (2013).
920. Aad, G. *et al.* Search for pair production of heavy top-like quarks decaying to a high- p_T W boson and a b quark in the lepton plus jets final state at $\sqrt{s}=7$ TeV with the ATLAS detector. *Phys. Lett.* **B718**, 1284–1302 (2013).
921. Aad, G. *et al.* Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 7$ TeV. *Eur. Phys. J.* **C73**, 2263 (2013).
922. Aad, G. *et al.* Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. *JHEP* **04**, 075 (2013).
923. Aad, G. *et al.* Measurement of W^+W^- production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector and limits on anomalous $WW\gamma$ and WWZ couplings. *Phys. Rev.* **D87**. [Erratum: *Phys. Rev.* **D88**, no.7, 079906(2013)], 112001 (2013).
924. Aad, G. *et al.* Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *JHEP* **01**, 131 (2013).
925. Aad, G. *et al.* ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at $\sqrt{s} = 7$ TeV. *JHEP* **01**, 029 (2013).
926. Aad, G. *et al.* Measurement of the flavour composition of dijet events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Eur. Phys. J.* **C73**, 2301 (2013).
927. Aad, G. *et al.* Search for displaced muonic lepton jets from light Higgs boson decay in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Lett.* **B721**, 32–50 (2013).

928. Aad, G. *et al.* Search for dark matter candidates and large extra dimensions in events with a photon and missing transverse momentum in pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Rev. Lett.* **110**, 011802 (2013).
929. Aad, G. *et al.* Search for light top squark pair production in final states with leptons and b^- jets with the ATLAS detector in $\sqrt{s} = 7$ TeV proton-proton collisions. *Phys. Lett.* **B720**, 13–31 (2013).
930. Aad, G. *et al.* Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. *Phys. Lett.* **B718**, 841–859 (2013).
931. Aad, G. *et al.* Search for direct slepton and gaugino production in final states with two leptons and missing transverse momentum with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. *Phys. Lett.* **B718**, 879–901 (2013).
932. Aad, G. *et al.* Search for new phenomena in the WW to $\ell\nu\ell'\nu'$ final state in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Lett.* **B718**, 860–878 (2013).
933. Aad, G. *et al.* Measurement of the jet radius and transverse momentum dependence of inclusive jet suppression in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. *Phys. Lett.* **B719**, 220–241 (2013).
934. Aad, G. *et al.* Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using 4.7 fb^{-1} of $\sqrt{s} = 7$ TeV proton-proton collision data. *Phys. Rev.* **D87**, 012008 (2013).
935. Aad, G. *et al.* Measurement of charged-particle event shape variables in $\sqrt{s} = 7$ TeV proton-proton interactions with the ATLAS detector. *Phys. Rev.* **D88**, 032004 (2013).
936. Aad, G. *et al.* Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV. *Eur. Phys. J.* **C73**, 2261 (2013).
937. Aad, G. *et al.* Measurement of the Λ_b^0 lifetime and mass in the ATLAS experiment. *Phys. Rev.* **D87**, 032002 (2013).
938. Aad, G. *et al.* Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. *Eur. Phys. J.* **C73**, 2305 (2013).
939. Aad, G. *et al.* Jet energy measurement with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 7$ TeV. *Eur. Phys. J.* **C73**, 2304 (2013).
940. Aad, G. *et al.* Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in $\sqrt{s} = 7$ TeV pp collisions using 1 fb^{-1} of ATLAS data. *Phys. Rev.* **D85**. [Erratum: *Phys. Rev.* **D87**, 099903(2013)], 012006 (2012).
941. Aad, G. *et al.* A particle consistent with the Higgs Boson observed with the ATLAS Detector at the Large Hadron Collider. *Science* **338**, 1576–1582 (2012).
942. Aad, G. *et al.* Search for doubly-charged Higgs bosons in like-sign dilepton final states at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Eur. Phys. J.* **C72**, 2244 (2012).
943. Aad, G. *et al.* Search for pair production of massive particles decaying into three quarks with the ATLAS detector in $\sqrt{s} = 7$ TeV pp collisions at the LHC. *JHEP* **12**, 086 (2012).
944. Aad, G. *et al.* Search for anomalous production of prompt like-sign lepton pairs at $\sqrt{s} = 7$ TeV with the ATLAS detector. *JHEP* **12**, 007 (2012).
945. Aad, G. *et al.* Search for R-parity-violating supersymmetry in events with four or more leptons in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. *JHEP* **12**, 124 (2012).
946. Aad, G. *et al.* Search for Supersymmetry in Events with Large Missing Transverse Momentum, Jets, and at Least One Tau Lepton in 7 TeV Proton-Proton Collision Data with the ATLAS Detector. *Eur. Phys. J.* **C72**, 2215 (2012).
947. Aad, G. *et al.* Search for resonant top plus jet production in $t\bar{t} + \text{jets}$ events with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. *Phys. Rev.* **D86**, 091103 (2012).

948. Aad, G. *et al.* ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at $\sqrt{s} = 7$ TeV. *Eur. Phys. J.* **C72**, 2241 (2012).
949. Aad, G. *et al.* Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. *JHEP* **11**, 094 (2012).
950. Aad, G. *et al.* Search for high-mass resonances decaying to dilepton final states in pp collisions at $\sqrt{s} = 7$ -TeV with the ATLAS detector. *JHEP* **11**, 138 (2012).
951. Aad, G. *et al.* Search for diphoton events with large missing transverse momentum in 7 TeV proton-proton collision data with the ATLAS detector. *Phys. Lett.* **B718**, 411–430 (2012).
952. Aad, G. *et al.* Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at $\sqrt{s} = 7$ TeV with ATLAS. *JHEP* **11**, 033 (2012).
953. Aad, G. *et al.* Further search for supersymmetry at $\sqrt{s} = 7$ TeV in final states with jets, missing transverse momentum and isolated leptons with the ATLAS detector. *Phys. Rev.* **D86**, 092002 (2012).
954. Aad, G. *et al.* Search for light scalar top quark pair production in final states with two leptons with the ATLAS detector in $\sqrt{s} = 7$ TeV proton-proton collisions. *Eur. Phys. J.* **C72**, 2237 (2012).
955. Aad, G. *et al.* Search for direct top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $\sqrt{s} = 7$ TeV pp collisions using 4.7 fb^{-1} of ATLAS data. *Phys. Rev. Lett.* **109**, 211803 (2012).
956. Aad, G. *et al.* Search for a supersymmetric partner to the top quark in final states with jets and missing transverse momentum at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Rev. Lett.* **109**, 211802 (2012).
957. Aad, G. *et al.* Measurement of WZ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Eur. Phys. J.* **C72**, 2173 (2012).
958. Aad, G. *et al.* Time-dependent angular analysis of the decay $B_s^0 \rightarrow J/\psi\phi$ and extraction of $\Delta\Gamma_s$ and the CP-violating weak phase ϕ_s by ATLAS. *JHEP* **12**, 072 (2012).
959. Aad, G. *et al.* Underlying event characteristics and their dependence on jet size of charged-particle jet events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Rev.* **D86**, 072004 (2012).
960. Aad, G. *et al.* Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC. *Phys. Lett.* **B716**, 1–29 (2012).
961. Aad, G. *et al.* Search for magnetic monopoles in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. *Phys. Rev. Lett.* **109**, 261803 (2012).
962. Aad, G. *et al.* Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b-jets with the ATLAS detector. *Eur. Phys. J.* **C72**, 2174 (2012).
963. Aad, G. *et al.* A search for $t\bar{t}$ resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *JHEP* **09**, 041 (2012).
964. Aad, G. *et al.* Combined search for the Standard Model Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Rev.* **D86**, 032003 (2012).
965. Aad, G. *et al.* Search for the Standard Model Higgs boson produced in association with a vector boson and decaying to a b -quark pair with the ATLAS detector. *Phys. Lett.* **B718**, 369–390 (2012).
966. Aad, G. *et al.* Search for the Higgs boson in the $H \rightarrow WW \rightarrow l\nu jj$ decay channel at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Lett.* **B718**, 391–410 (2012).
967. Aad, G. *et al.* Search for the Standard Model Higgs boson in the H to $\tau^+\tau^-$ decay mode in $\sqrt{s} = 7$ TeV pp collisions with ATLAS. *JHEP* **09**, 070 (2012).
968. Aad, G. *et al.* ATLAS Measurements of the Properties of Jets for Boosted Particle Searches. *Phys. Rev.* **D86**, 072006 (2012).
969. Aad, G. *et al.* Measurement of the b-hadron production cross section using decays to $D^*\mu^-X$ final states in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Nucl. Phys.* **B864**, 341–381 (2012).
970. Aad, G. *et al.* Search for a standard model Higgs boson in the mass range 200-600 GeV in the $H \rightarrow ZZ \rightarrow \ell^+\ell^-q\bar{q}$ decay channel with the ATLAS detector. *Phys. Lett.* **B717**, 70–88 (2012).

971. Aad, G. *et al.* Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. *Eur. Phys. J.* **C72**, 2211 (2012).
972. Aad, G. *et al.* Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb^{-1} of $\sqrt{s} = 7$ TeV proton-proton collisions. *JHEP* **07**, 167 (2012).
973. Aad, G. *et al.* Search for the Standard Model Higgs boson in the $H \rightarrow WW^{(*)} \rightarrow \ell\nu\ell\nu$ decay mode with 4.7 /fb of ATLAS data at $\sqrt{s} = 7$ TeV. *Phys. Lett.* **B716**, 62–81 (2012).
974. Aad, G. *et al.* A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at $\sqrt{s} = 7$ TeV. *JHEP* **09**, 139 (2012).
975. Aad, G. *et al.* Search for a standard model Higgs boson in the $H \rightarrow ZZ \rightarrow \ell^+\ell^-\nu\bar{\nu}$ decay channel using 4.7 fb^{-1} of $\sqrt{s} = 7$ TeV data with the ATLAS detector. *Phys. Lett.* **B717**, 29–48 (2012).
976. Aad, G. *et al.* Evidence for the associated production of a W boson and a top quark in ATLAS at $\sqrt{s} = 7$ TeV. *Phys. Lett.* **B716**, 142–159 (2012).
977. Aad, G. *et al.* A search for $t\bar{t}$ resonances with the ATLAS detector in 2.05 fb^{-1} of proton-proton collisions at $\sqrt{s} = 7$ TeV. *Eur. Phys. J.* **C72**, 2083 (2012).
978. Aad, G. *et al.* Measurement of the t -channel single top-quark production cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Lett.* **B717**, 330–350 (2012).
979. Aad, G. *et al.* Measurement of $W\gamma$ and $Z\gamma$ production cross sections in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous triple gauge couplings with the ATLAS detector. *Phys. Lett.* **B717**, 49–69 (2012).
980. Aad, G. *et al.* Measurement of the W boson polarization in top quark decays with the ATLAS detector. *JHEP* **06**, 088 (2012).
981. Aad, G. *et al.* Measurement of the top quark pair cross section with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV using final states with an electron or a muon and a hadronically decaying τ lepton. *Phys. Lett.* **B717**, 89–108 (2012).
982. Aad, G. *et al.* Search for tb resonances in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Rev. Lett.* **109**, 081801 (2012).
983. Aad, G. *et al.* Search for lepton flavour violation in the $e\mu$ continuum with the ATLAS detector in $\sqrt{s} = 7$ TeV pp collisions at the LHC. *Eur. Phys. J.* **C72**, 2040 (2012).
984. Aad, G. *et al.* Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. *Eur. Phys. J.* **C72**, 2157 (2012).
985. Aad, G. *et al.* Search for scalar top quark pair production in natural gauge mediated supersymmetry models with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. *Phys. Lett.* **B715**, 44–60 (2012).
986. Aad, G. *et al.* Measurement of τ polarization in $W^- \rightarrow \tau\nu$ decays with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. *Eur. Phys. J.* **C72**, 2062 (2012).
987. Aad, G. *et al.* Search for supersymmetry in events with three leptons and missing transverse momentum in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. *Phys. Rev. Lett.* **108**, 261804 (2012).
988. Aad, G. *et al.* Search for TeV-scale gravity signatures in final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 7$ TeV. *Phys. Lett.* **B716**, 122–141 (2012).
989. Aad, G. *et al.* Search for supersymmetry with jets, missing transverse momentum and at least one hadronically decaying τ lepton in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Lett.* **B714**, 197–214 (2012).
990. Aad, G. *et al.* Search for charged Higgs bosons decaying via $H^+ \rightarrow \tau\nu$ in top quark pair events using pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS detector. *JHEP* **06**, 039 (2012).
991. Aad, G. *et al.* Search for resonant WZ production in the $WZ \rightarrow \ell\nu\ell'\ell'$ channel in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. *Phys. Rev.* **D85**, 112012 (2012).
992. Aad, G. *et al.* Search for pair production of a new quark that decays to a Z boson and a bottom quark with the ATLAS detector. *Phys. Rev. Lett.* **109**, 071801 (2012).

993. Aad, G. *et al.* Search for the decay $B_s^0 \rightarrow \mu\mu$ with the ATLAS detector. *Phys. Lett.* **B713**, 387–407 (2012).
994. Aad, G. *et al.* Search for events with large missing transverse momentum, jets, and at least two tau leptons in 7 TeV proton-proton collision data with the ATLAS detector. *Phys. Lett.* **B714**, 180–196 (2012).
995. Aad, G. *et al.* Measurement of the WW cross section in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector and limits on anomalous gauge couplings. *Phys. Lett.* **B712**, 289–308 (2012).
996. Aad, G. *et al.* Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in final states with missing transverse momentum and b^- jets with the ATLAS detector. *Phys. Rev.* **D85**, 112006 (2012).
997. Aad, G. *et al.* Search for gluinos in events with two same-sign leptons, jets and missing transverse momentum with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. *Phys. Rev. Lett.* **108**, 241802 (2012).
998. Aad, G. *et al.* Measurement of the top quark mass with the template method in the $t\bar{t}$ - $\bar{\nu}$ lepton + jets channel using ATLAS data. *Eur. Phys. J.* **C72**, 2046 (2012).
999. Aad, G. *et al.* Search for heavy neutrinos and right-handed W bosons in events with two leptons and jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Eur. Phys. J.* **C72**, 2056 (2012).
1000. Aad, G. *et al.* Measurement of $t\bar{t}$ production with a veto on additional central jet activity in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. *Eur. Phys. J.* **C72**, 2043 (2012).
1001. Aad, G. *et al.* Jet mass and substructure of inclusive jets in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS experiment. *JHEP* **05**, 128 (2012).
1002. Aad, G. *et al.* Measurement of the charge asymmetry in top quark pair production in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. *Eur. Phys. J.* **C72**, 2039 (2012).
1003. Aad, G. *et al.* Observation of spin correlation in $t\bar{t}$ events from pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. *Phys. Rev. Lett.* **108**, 212001 (2012).
1004. Aad, G. *et al.* Determination of the strange quark density of the proton from ATLAS measurements of the $W \rightarrow \ell\nu$ and $Z \rightarrow \ell\ell$ cross sections. *Phys. Rev. Lett.* **109**, 012001 (2012).
1005. Aad, G. *et al.* Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. *JHEP* **05**, 157 (2012).
1006. Aad, G. *et al.* Search for second generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Eur. Phys. J.* **C72**, 2151 (2012).
1007. Aad, G. *et al.* Measurement of the production cross section of an isolated photon associated with jets in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Rev.* **D85**, 092014 (2012).
1008. Aad, G. *et al.* Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. *JHEP* **07**, 019 (2012).
1009. Aad, G. *et al.* Measurement of the azimuthal anisotropy for charged particle production in $\sqrt{s_{NN}} = 2.76$ TeV lead-lead collisions with the ATLAS detector. *Phys. Rev.* **C86**, 014907 (2012).
1010. Aad, G. *et al.* Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment. *Eur. Phys. J.* **C72**, 2001 (2012).
1011. Aad, G. *et al.* Search for a light Higgs boson decaying to long-lived weakly-interacting particles in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Rev. Lett.* **108**, 251801 (2012).
1012. Aad, G. *et al.* Search for new particles decaying to ZZ using final states with leptons and jets with the ATLAS detector in $\sqrt{s} = 7$ TeV proton-proton collisions. *Phys. Lett.* **B712**, 331–350 (2012).
1013. Aad, G. *et al.* Search for FCNC single top-quark production at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Lett.* **B712**, 351–369 (2012).
1014. Aad, G. *et al.* Measurement of the azimuthal ordering of charged hadrons with the ATLAS detector. *Phys. Rev.* **D86**, 052005 (2012).
1015. Aad, G. *et al.* Search for down-type fourth generation quarks with the ATLAS detector in events with one lepton and hadronically decaying W bosons. *Phys. Rev. Lett.* **109**, 032001 (2012).

1016. Aad, G. *et al.* Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *JHEP* **04**, 069 (2012).
1017. Aad, G. *et al.* Measurement of the cross section for top-quark pair production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector using final states with two high-pt leptons. *JHEP* **05**, 059 (2012).
1018. Aad, G. *et al.* Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at $\sqrt{s} = 7$ TeV. *Eur. Phys. J.* **C72**, 1993 (2012).
1019. Aad, G. *et al.* Search for pair-produced heavy quarks decaying to Wq in the two-lepton channel at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Rev.* **D86**, 012007 (2012).
1020. Aad, G. *et al.* Search for pair production of a heavy up-type quark decaying to a W boson and a b quark in the lepton+jets channel with the ATLAS detector. *Phys. Rev. Lett.* **108**, 261802 (2012).
1021. Aad, G. *et al.* Search for the Standard Model Higgs boson in the decay channel $H \rightarrow ZZ^{(*)} \rightarrow 4\ell$ with 4.8 fb^{-1} of pp collision data at $\sqrt{s} = 7$ TeV with ATLAS. *Phys. Lett.* **B710**, 383–402 (2012).
1022. Aad, G. *et al.* Search for the Standard Model Higgs boson in the diphoton decay channel with 4.9 fb^{-1} of pp collisions at $\sqrt{s} = 7$ TeV with ATLAS. *Phys. Rev. Lett.* **108**, 111803 (2012).
1023. Aad, G. *et al.* Combined search for the Standard Model Higgs boson using up to 4.9 fb^{-1} of pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS detector at the LHC. *Phys. Lett.* **B710**, 49–66 (2012).
1024. Aad, G. *et al.* Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. *Eur. Phys. J.* **C72**, 1965 (2012).
1025. Aad, G. *et al.* Search for excited leptons in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Rev.* **D85**, 072003 (2012).
1026. Aad, G. *et al.* Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. *Eur. Phys. J.* **C72**, 1926 (2012).
1027. Aad, G. *et al.* Measurement of the top quark pair production cross-section with ATLAS in the single lepton channel. *Phys. Lett.* **B711**, 244–263 (2012).
1028. Aad, G. *et al.* Study of jets produced in association with a W boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Rev.* **D85**, 092002 (2012).
1029. Aad, G. *et al.* Search for anomalous production of prompt like-sign muon pairs and constraints on physics beyond the Standard Model with the ATLAS detector. *Phys. Rev.* **D85**, 032004 (2012).
1030. Aad, G. *et al.* Measurement of inclusive jet and dijet production in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. *Phys. Rev.* **D86**, 014022 (2012).
1031. Aad, G. *et al.* Search for heavy vector-like quarks coupling to light quarks in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Lett.* **B712**, 22–39 (2012).
1032. Aad, G. *et al.* Observation of a new χ_b state in radiative transitions to $\Upsilon(1S)$ and $\Upsilon(2S)$ at ATLAS. *Phys. Rev. Lett.* **108**, 152001 (2012).
1033. Aad, G. *et al.* Search for first generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Lett.* **B709**. [Erratum: *Phys. Lett.* **B711**, 442(2012)], 158–176 (2012).
1034. Aad, G. *et al.* Measurement of $D^{*+/-}$ meson production in jets from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Rev.* **D85**, 052005 (2012).
1035. Aad, G. *et al.* Search for contact interactions in dilepton events from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Lett.* **B712**, 40–58 (2012).
1036. Aad, G. *et al.* Search for scalar bottom quark pair production with the ATLAS detector in pp Collisions at $\sqrt{s} = 7$ TeV. *Phys. Rev. Lett.* **108**, 181802 (2012).
1037. Aad, G. *et al.* Search for production of resonant states in the photon-jet mass distribution using pp collisions at $\sqrt{s} = 7$ TeV collected by the ATLAS detector. *Phys. Rev. Lett.* **108**, 211802 (2012).
1038. Aad, G. *et al.* Search for the Higgs boson in the $H \rightarrow WW^{(*)} \rightarrow \ell\nu\ell\nu$ decay channel in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Rev. Lett.* **108**, 111802 (2012).

1039. Aad, G. *et al.* Search for extra dimensions using diphoton events in 7 TeV proton-proton collisions with the ATLAS detector. *Phys. Lett.* **B710**, 538–556 (2012).
1040. Aad, G. *et al.* Measurement of the $W^\pm Z$ production cross section and limits on anomalous triple gauge couplings in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Lett.* **B709**, 341–357 (2012).
1041. Aad, G. *et al.* Search for diphoton events with large missing transverse momentum in fb^{-1} of 7 TeV proton-proton collision data with the ATLAS detector. *Phys. Lett.* **B710**, 519–537 (2012).
1042. Aad, G. *et al.* Measurement of the production cross section for Z/γ^* in association with jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Rev.* **D85**, 032009 (2012).
1043. Aad, G. *et al.* Kshort and Λ production in pp interactions at $\sqrt{s} = 0.9$ and 7 TeV measured with the ATLAS detector at the LHC. *Phys. Rev.* **D85**, 012001 (2012).
1044. Aad, G. *et al.* Search for strong gravity signatures in same-sign dimuon final states using the ATLAS detector at the LHC. *Phys. Lett.* **B709**, 322–340 (2012).
1045. Aad, G. *et al.* A study of the material in the ATLAS inner detector using secondary hadronic interactions. *JINST* **7**, P01013 (2012).
1046. Aad, G. *et al.* Searches for supersymmetry with the ATLAS detector using final states with two leptons and missing transverse momentum in $\sqrt{s} = 7$ TeV proton-proton collisions. *Phys. Lett.* **B709**, 137–157 (2012).
1047. Aad, G. *et al.* Measurement of the ZZ production cross section and limits on anomalous neutral triple gauge couplings in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Rev. Lett.* **108**, 041804 (2012).
1048. Aad, G. *et al.* Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. *Eur. Phys. J.* **C72**, 1909 (2012).
1049. Aad, G. *et al.* Performance of the ATLAS Trigger System in 2010. *Eur. Phys. J.* **C72**, 1849 (2012).
1050. Aad, G. *et al.* Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in $\sqrt{s} = 7$ TeV proton-proton collisions. *Phys. Lett.* **B710**, 67–85 (2012).
1051. Aad, G. *et al.* Measurement of the inclusive W^\pm and Z/γ cross sections in the electron and muon decay channels in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Rev.* **D85**, 072004 (2012).
1052. Aad, G. *et al.* Search for New Phenomena in $t\bar{t}$ Events With Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. *Phys. Rev. Lett.* **108**, 041805 (2012).
1053. Aad, G. *et al.* Search for displaced vertices arising from decays of new heavy particles in 7 TeV pp collisions at ATLAS. *Phys. Lett.* **B707**, 478–496 (2012).
1054. Aad, G. *et al.* Measurement of the cross-section for b -jets produced in association with a Z boson at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Lett.* **B706**, 295–313 (2012).
1055. Aad, G. *et al.* Measurement of the cross section for the production of a W boson in association with b^- jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Lett.* **B707**, 418–437 (2012).
1056. Aad, G. *et al.* Measurements of the electron and muon inclusive cross-sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Lett.* **B707**, 438–458 (2012).
1057. Aad, G. *et al.* Search for New Physics in the Dijet Mass Distribution using 1 fb^{-1} of pp Collision Data at $\sqrt{s} = 7$ TeV collected by the ATLAS Detector. *Phys. Lett.* **B708**, 37–54 (2012).
1058. Aad, G. *et al.* Measurement of the Transverse Momentum Distribution of W Bosons in pp Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. *Phys. Rev.* **D85**, 012005 (2012).
1059. Aad, G. *et al.* Measurement of the centrality dependence of the charged particle pseudorapidity distribution in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. *Phys. Lett.* **B710**, 363–382 (2012).
1060. Aad, G. *et al.* Measurement of the pseudorapidity and transverse momentum dependence of the elliptic flow of charged particles in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. *Phys. Lett.* **B707**, 330–348 (2012).

1061. Aad, G. *et al.* Performance of Missing Transverse Momentum Reconstruction in Proton-Proton Collisions at 7 TeV with ATLAS. *Eur. Phys. J.* **C72**, 1844 (2012).
1062. Aad, G. *et al.* Search for a heavy Standard Model Higgs boson in the channel $H \rightarrow ZZ \rightarrow \ell^+ \ell^- q \bar{q}$ using the ATLAS detector. *Phys. Lett.* **B707**, 27–45 (2012).
1063. Aad, G. *et al.* A measurement of the ratio of the W and Z cross sections with exactly one associated jet in pp collisions at $\sqrt{s} = 7$ TeV with ATLAS. *Phys. Lett.* **B708**, 221–240 (2012).
1064. Aad, G. *et al.* Measurement of the $W \rightarrow \tau \nu_\tau$ cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment. *Phys. Lett.* **B706**, 276–294 (2012).
1065. Aad, G. *et al.* Measurement of the top quark pair production cross section in pp collisions at $\sqrt{s} = 7$ TeV in dilepton final states with ATLAS. *Phys. Lett.* **B707**, 459–477 (2012).
1066. Aad, G. *et al.* Measurement of the isolated di-photon cross-section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Rev.* **D85**, 012003 (2012).
1067. Aad, G. *et al.* Search for Massive Colored Scalars in Four-Jet Final States in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS Detector. *Eur. Phys. J.* **C71**, 1828 (2011).
1068. Aad, G. *et al.* Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. *JHEP* **11**, 099 (2011).
1069. Aad, G. *et al.* Measurement of the inclusive and dijet cross-sections of b^- jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Eur. Phys. J.* **C71**, 1846 (2011).
1070. Aad, G. *et al.* Search for the Standard Model Higgs boson in the decay channel $H \rightarrow ZZ(*) \rightarrow 4l$ with the ATLAS detector. *Phys. Lett.* **B705**, 435–451 (2011).
1071. Aad, G. *et al.* Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. *Eur. Phys. J.* **C71**, 1795 (2011).
1072. Aad, G. *et al.* Search for the Higgs boson in the $H \rightarrow WW \rightarrow lvjj$ decay channel in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Rev. Lett.* **107**, 231801 (2011).
1073. Aad, G. *et al.* Search for a Standard Model Higgs boson in the $H \rightarrow ZZ \rightarrow l^+ l^- \nu \nu^-$ decay channel with the ATLAS detector. *Phys. Rev. Lett.* **107**, 221802 (2011).
1074. Aad, G. *et al.* Search for a heavy neutral particle decaying into an electron and a muon using 1 fb⁻¹ of ATLAS data. *Eur. Phys. J.* **C71**, 1809 (2011).
1075. Aad, G. *et al.* Search for the Standard Model Higgs boson in the two photon decay channel with the ATLAS detector at the LHC. *Phys. Lett.* **B705**, 452–470 (2011).
1076. Aad, G. *et al.* Measurement of the Z to tau tau Cross Section with the ATLAS Detector. *Phys. Rev.* **D84**, 112006 (2011).
1077. Aad, G. *et al.* Search for dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Rev. Lett.* **107**, 272002 (2011).
1078. Aad, G. *et al.* Search for a heavy gauge boson decaying to a charged lepton and a neutrino in 1 fb⁻¹ of pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. *Phys. Lett.* **B705**, 28–46 (2011).
1079. Aad, G. *et al.* Inclusive search for same-sign dilepton signatures in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *JHEP* **10**, 107 (2011).
1080. Aad, G. *et al.* Measurement of the inclusive isolated prompt photon cross-section in pp collisions at $\sqrt{s} = 7$ TeV using 35 pb⁻¹ of ATLAS data. *Phys. Lett.* **B706**, 150–167 (2011).
1081. Aad, G. *et al.* Search for neutral MSSM Higgs bosons decaying to $\tau^+ \tau^-$ pairs in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Lett.* **B705**, 174–192 (2011).
1082. Aad, G. *et al.* Properties of jets measured from tracks in proton-proton collisions at center-of-mass energy $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Rev.* **D84**, 054001 (2011).
1083. Aad, G. *et al.* Measurement of the transverse momentum distribution of Z/γ^* bosons in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Lett.* **B705**, 415–434 (2011).

1084. Aad, G. *et al.* Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. *Eur. Phys. J.* **C71**, 1763 (2011).
1085. Aad, G. *et al.* Measurement of dijet production with a veto on additional central jet activity in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. *JHEP* **09**, 053 (2011).
1086. Aad, G. *et al.* Search for Diphoton Events with Large Missing Transverse Energy with 36 pb^{-1} of 7 TeV Proton-Proton Collision Data with the ATLAS Detector. *Eur. Phys. J.* **C71**, 1744 (2011).
1087. Aad, G. *et al.* Measurement of the $\Upsilon(1S)$ production cross-section in pp collisions at $\sqrt{s} = 7$ TeV in ATLAS. *Phys. Lett.* **B705**, 9–27 (2011).
1088. Aad, G. *et al.* Search for new phenomena with the monojet and missing transverse momentum signature using the ATLAS detector in $\sqrt{s} = 7$ TeV proton-proton collisions. *Phys. Lett.* **B705**, 294–312 (2011).
1089. Aad, G. *et al.* Search for heavy long-lived charged particles with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. *Phys. Lett.* **B703**, 428–446 (2011).
1090. Aad, G. *et al.* Limits on the production of the Standard Model Higgs Boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Eur. Phys. J.* **C71**, 1728 (2011).
1091. Aad, G. *et al.* Measurement of $W\gamma$ and $Z\gamma$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. *JHEP* **09**, 072 (2011).
1092. Abouzaid, E. *et al.* Search for the Rare Decays $K_L \rightarrow \pi^0\pi^0\mu^+\mu^-$ and $K_L \rightarrow \pi^0\pi^0X^0 \rightarrow \pi^0\pi^0\mu^+\mu^-$. *Phys. Rev. Lett.* **107**, 201803 (2011).
1093. Aad, G. *et al.* Measurement of the WW cross section in $\sqrt{s} = 7$ TeV pp collisions with ATLAS. *Phys. Rev. Lett.* **107**, 041802 (2011).
1094. Aad, G. *et al.* Search for Contact Interactions in Dimuon Events from pp Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. *Phys. Rev.* **D84**, 011101 (2011).
1095. Aad, G. *et al.* Search for pair production of first or second generation leptoquarks in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC. *Phys. Rev.* **D83**, 112006 (2011).
1096. Aad, G. *et al.* Measurement of the differential cross-sections of inclusive, prompt and non-prompt J/ψ production in proton-proton collisions at $\sqrt{s} = 7$ TeV. *Nucl. Phys.* **B850**, 387–444 (2011).
1097. Aad, G. *et al.* Measurement of the Inelastic Proton-Proton Cross-Section at $\sqrt{s} = 7$ TeV with the ATLAS Detector. *Nature Commun.* **2**, 463 (2011).
1098. Aad, G. *et al.* Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. *Eur. Phys. J.* **C71**, 1647 (2011).
1099. Aad, G. *et al.* Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS experiment. *Eur. Phys. J.* **C71**, 1682 (2011).
1100. Aad, G. *et al.* Search for high mass dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment. *Phys. Lett.* **B700**, 163–180 (2011).
1101. Aad, G. *et al.* Search for a heavy particle decaying into an electron and a muon with the ATLAS detector in $\sqrt{s} = 7$ TeV pp collisions at the LHC. *Phys. Rev. Lett.* **106**, 251801 (2011).
1102. Aad, G. *et al.* Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in final states with missing transverse momentum and b -jets. *Phys. Lett.* **B701**, 398–416 (2011).
1103. Aad, G. *et al.* Search for New Physics in Dijet Mass and Angular Distributions in pp Collisions at $\sqrt{s} = 7$ TeV Measured with the ATLAS Detector. *New J. Phys.* **13**, 053044 (2011).
1104. Aad, G. *et al.* Measurement of the W charge asymmetry in the $W \rightarrow \mu\nu$ decay mode in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Lett.* **B701**, 31–49 (2011).
1105. Aad, G. *et al.* Search for stable hadronising squarks and gluinos with the ATLAS experiment at the LHC. *Phys. Lett.* **B701**, 1–19 (2011).

1106. Aad, G. *et al.* Measurements of underlying-event properties using neutral and charged particles in pp collisions at 900 GeV and 7 TeV with the ATLAS detector at the LHC. *Eur. Phys. J.* **C71**, 1636 (2011).
1107. Aad, G. *et al.* Search for high-mass states with one lepton plus missing transverse momentum in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Lett.* **B701**, 50–69 (2011).
1108. Aad, G. *et al.* Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in $\sqrt{s} = 7$ TeV proton-proton collisions. *Phys. Lett.* **B701**, 186–203 (2011).
1109. Aad, G. *et al.* Measurement of Dijet Azimuthal Decorrelations in pp Collisions at $\sqrt{s} = 7$ TeV. *Phys. Rev. Lett.* **106**, 172002 (2011).
1110. Aad, G. *et al.* Search for supersymmetry using final states with one lepton, jets, and missing transverse momentum with the ATLAS detector in $\sqrt{s} = 7$ TeV pp . *Phys. Rev. Lett.* **106**, 131802 (2011).
1111. Aad, G. *et al.* Search for Massive Long-lived Highly Ionising Particles with the ATLAS Detector at the LHC. *Phys. Lett.* **B698**, 353–370 (2011).
1112. Aad, G. *et al.* Luminosity Determination in pp Collisions at $\sqrt{s} = 7$ TeV Using the ATLAS Detector at the LHC. *Eur. Phys. J.* **C71**, 1630 (2011).
1113. Aad, G. *et al.* Study of Jet Shapes in Inclusive Jet Production in pp Collisions at $\sqrt{s} = 7$ TeV using the ATLAS Detector. *Phys. Rev.* **D83**, 052003 (2011).
1114. Aad, G. *et al.* Measurement of the production cross section for W-bosons in association with jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Lett.* **B698**, 325–345 (2011).
1115. Aad, G. *et al.* Measurement of the centrality dependence of J/Ψ yields and observation of Z production in lead-lead collisions with the ATLAS detector at the LHC. *Phys. Lett.* **B697**, 294–312 (2011).
1116. Aad, G. *et al.* Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. *Phys. Rev.* **D83**, 052005 (2011).
1117. Aad, G. *et al.* Charged-particle multiplicities in pp interactions measured with the ATLAS detector at the LHC. *New J. Phys.* **13**, 053033 (2011).
1118. Aad, G. *et al.* Search for Diphoton Events with Large Missing Transverse Energy in 7 TeV Proton-Proton Collisions with the ATLAS Detector. *Phys. Rev. Lett.* **106**, 121803 (2011).
1119. Aad, G. *et al.* Measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV. *Eur. Phys. J.* **C71**, 1577 (2011).
1120. Aad, G. *et al.* Measurement of underlying event characteristics using charged particles in pp collisions at $\sqrt{s} = 900\text{GeV}$ and 7 TeV with the ATLAS detector. *Phys. Rev.* **D83**, 112001 (2011).
1121. Aad, G. *et al.* Studies of the performance of the ATLAS detector using cosmic-ray muons. *Eur. Phys. J.* **C71**, 1593 (2011).
1122. Abouzaid, E. *et al.* Precise Measurements of Direct CP Violation, CPT Symmetry, and Other Parameters in the Neutral Kaon System. *Phys. Rev.* **D83**, 092001 (2011).
1123. Aad, G. *et al.* Search for Quark Contact Interactions in Dijet Angular Distributions in pp Collisions at $\sqrt{s} = 7$ TeV Measured with the ATLAS Detector. *Phys. Lett.* **B694**, 327–345 (2011).
1124. Aad, G. *et al.* Measurement of Inclusive Jet and Dijet Cross Sections in Proton-Proton Collisions at 7 TeV Centre-of-Mass Energy with the ATLAS Detector. *Eur. Phys. J.* **C71**, 1512 (2011).
1125. Abazov, V. M. *et al.* Search for CP violation in $B_s^0 \rightarrow \mu^+ D_s^- X$ decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. *Phys. Rev.* **D82**. [Erratum: *Phys. Rev.*D83,119901(2011)], 012003 (2010).
1126. Aad, G. *et al.* Observation of a Centrality-Dependent Dijet Asymmetry in Lead-Lead Collisions at $\sqrt{s_{NN}} = 2.77$ TeV with the ATLAS Detector at the LHC. *Phys. Rev. Lett.* **105**, 252303 (2010).
1127. Aad, G. *et al.* Measurement of the $W \rightarrow \ell\nu$ and $Z/\gamma^* \rightarrow \ell\ell$ Production Cross Sections in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. *JHEP* **12**, 060 (2010).
1128. Alexopoulos, T. *et al.* Development of large size Micromegas detector for the upgrade of the ATLAS muon system. *Nucl. Instrum. Meth.* **A617**, 161–165 (2010).

1129. Aad, G. *et al.* Search for New Particles in Two-Jet Final States in 7 TeV Proton-Proton Collisions with the ATLAS Detector at the LHC. *Phys. Rev. Lett.* **105**, 161801 (2010).
1130. Aad, G. *et al.* Readiness of the ATLAS Tile Calorimeter for LHC collisions. *Eur. Phys. J.* **C70**, 1193–1236 (2010).
1131. Aad, G. *et al.* Commissioning of the ATLAS Muon Spectrometer with Cosmic Rays. *Eur. Phys. J.* **C70**, 875–916 (2010).
1132. Aad, G. *et al.* Performance of the ATLAS Detector using First Collision Data. *JHEP* **09**, 056 (2010).
1133. Aad, G. *et al.* The ATLAS Simulation Infrastructure. *Eur. Phys. J.* **C70**, 823–874 (2010).
1134. Aad, G. *et al.* The ATLAS Inner Detector commissioning and calibration. *Eur. Phys. J.* **C70**, 787–821 (2010).
1135. Aad, G. *et al.* Charged-particle multiplicities in pp interactions at $\sqrt{s} = 900$ GeV measured with the ATLAS detector at the LHC. *Phys. Lett.* **B688**, 21–42 (2010).
1136. Aad, G. *et al.* Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. *Eur. Phys. J.* **C70**, 755–785 (2010).
1137. Aaltonen, T. *et al.* Combination of Tevatron Searches for the Standard Model Higgs Boson in the W^+W^- Decay Mode. *Phys. Rev. Lett.* **104**, 061802 (2010).
1138. Abazov, V. M. *et al.* Search for Higgs Boson Production in Dilepton and Missing Energy Final States with 5.4 fb^{-1} of $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV. *Phys. Rev. Lett.* **104**, 061804 (2010).
1139. Abazov, V. M. *et al.* Dependence of the $t\bar{t}$ Production Cross Section on the Transverse Momentum of the Top Quark. *Phys. Lett.* **B693**, 515–521 (2010).
1140. Abazov, V. M. *et al.* Search for the standard model Higgs boson in the $ZH \rightarrow \nu\bar{\nu} b\bar{b}$ channel in 5.2 fb^{-1} of $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Rev. Lett.* **104**, 071801 (2010).
1141. Abazov, V. M. *et al.* Double parton interactions in $\gamma+3$ jet events in $p\bar{p}$ collisions $\sqrt{s} = 1.96$ TeV. *Phys. Rev.* **D81**, 052012 (2010).
1142. Aad, G. *et al.* Readiness of the ATLAS Liquid Argon Calorimeter for LHC Collisions. *Eur. Phys. J.* **C70**, 723–753 (2010).
1143. Abouzaid, E. *et al.* Dispersive analysis of $K(L\mu^3)$ and $K(Le^3)$ scalar and vector form factors using KTeV data. *Phys. Rev.* **D81**, 052001 (2010).
1144. Abazov, V. M. *et al.* Search for single top quarks in the τ +jets channel using 4.8 fb^{-1} of $p\bar{p}$ collision data. *Phys. Lett.* **B690**, 5–14 (2010).
1145. Abazov, V. M. *et al.* Search for the associated production of a b quark and a neutral supersymmetric Higgs boson which decays to tau pairs. *Phys. Rev. Lett.* **104**, 151801 (2010).
1146. Abazov, V. M. *et al.* Search for a resonance decaying into WZ boson pairs in $p\bar{p}$ collisions. *Phys. Rev. Lett.* **104**, 061801 (2010).
1147. Abazov, V. M. *et al.* Measurement of the $t\bar{t}$ cross section using high-multiplicity jet events. *Phys. Rev.* **D82**, 032002 (2010).
1148. Abazov, V. M. *et al.* Measurement of $Z/\gamma^* + \text{jet} + X$ angular distributions in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. *Phys. Lett.* **B682**, 370–380 (2010).
1149. Abazov, V. M. *et al.* Measurement of the t-channel single top quark production cross section. *Phys. Lett.* **B682**, 363–369 (2010).
1150. Abazov, V. M. *et al.* Measurement of the WW production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. *Phys. Rev. Lett.* **94**. [Erratum: *Phys. Rev. Lett.* 100,139901(2008)], 151801 (2005).
1151. Abazov, V. M. *et al.* Determination of the strong coupling constant from the inclusive jet cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. *Phys. Rev.* **D80**, 111107 (2009).
1152. Abazov, V. M. *et al.* Direct measurement of the W boson width. *Phys. Rev. Lett.* **103**, 231802 (2009).
1153. Argyropoulos, T. *et al.* Cathode strip chambers in ATLAS: Installation, commissioning and in situ performance. *IEEE Trans. Nucl. Sci.* **56**, 1568–1574 (2009).

1154. Abazov, V. M. *et al.* Search for Charged Higgs Bosons in Top Quark Decays. *Phys. Lett.* **B682**, 278–286 (2009).
1155. Abazov, V. M. *et al.* Measurement of the W boson mass. *Phys. Rev. Lett.* **103**, 141801 (2009).
1156. Abazov, V. M. *et al.* Measurement of trilinear gauge boson couplings from WW + WZ to l nu j j events in p anti-p collisions at $s^{**}(1/2) = 1.96$ TeV. *Phys. Rev.* **D80**, 053012 (2009).
1157. Abazov, V. M. *et al.* A Novel method for modeling the recoil in W boson events at hadron collider. *Nucl. Instrum. Meth.* **A609**, 250–262 (2009).
1158. Abazov, V. M. *et al.* Search for pair production of first-generation leptoquarks in p anti-p collisions at $s^{**}(1/2) = 1.96$ -TeV. *Phys. Lett.* **B681**, 224–232 (2009).
1159. Abazov, V. M. *et al.* Search for charged Higgs bosons in decays of top quarks. *Phys. Rev.* **D80**, 051107 (2009).
1160. Abazov, V. M. *et al.* Measurement of dijet angular distributions at $s^{**}(1/2) = 1.96$ -TeV and searches for quark compositeness and extra spatial dimensions. *Phys. Rev. Lett.* **103**, 191803 (2009).
1161. Abazov, V. M. *et al.* Search for Resonant Pair Production of long-lived particles decaying to b anti-b in p anti-p collisions at $s^{**}(1/2) = 1.96$ -TeV. *Phys. Rev. Lett.* **103**, 071801 (2009).
1162. Abazov, V. M. *et al.* Direct measurement of the mass difference between top and antitop quarks. *Phys. Rev. Lett.* **103**, 132001 (2009).
1163. Abazov, V. M. *et al.* Search for squark production in events with jets, hadronically decaying tau leptons and missing transverse energy at $s^{**}(1/2) = 1.96$ -TeV. *Phys. Lett.* **B680**, 24–33 (2009).
1164. Abazov, V. M. *et al.* Search for NMSSM Higgs bosons in the h to aa to mu mu mu mu, mu mu tau tau channels using p anti-p collisions at $s^{**}(1/2) = 1.96$ -TeV. *Phys. Rev. Lett.* **103**, 061801 (2009).
1165. Abazov, V. M. *et al.* Search for dark photons from supersymmetric hidden valleys. *Phys. Rev. Lett.* **103**, 081802 (2009).
1166. Abazov, V. M. *et al.* Measurement of the Top Quark Mass in Final States with Two Leptons. *Phys. Rev.* **D80**, 092006 (2009).
1167. Abazov, V. M. *et al.* Measurement of the WW production cross section with dilepton final states in p anti-p collisions at $s^{**}(1/2) = 1.96$ -TeV and limits on anomalous trilinear gauge couplings. *Phys. Rev. Lett.* **103**, 191801 (2009).
1168. Abazov, V. M. *et al.* Combination of t anti-t cross section measurements and constraints on the mass of the top quark and its decays into charged Higgs bosons. *Phys. Rev.* **D80**, 071102 (2009).
1169. Abazov, V. M. *et al.* Search for the standard model Higgs boson in tau final states. *Phys. Rev. Lett.* **102**, 251801 (2009).
1170. Abazov, V. M. *et al.* Measurements of differential cross sections of Z/gamma*+jets+X events in proton anti-proton collisions at $s^{**}(1/2) = 1.96$ -TeV. *Phys. Lett.* **B678**, 45–54 (2009).
1171. Abazov, V. M. *et al.* Observation of Single Top Quark Production. *Phys. Rev. Lett.* **103**, 092001 (2009).
1172. Abazov, V. M. *et al.* Measurement of the Z gamma to nu anti-nu gamma cross section and limits on anomalous Z Z gamma and Z gamma gamma couplings in p anti-p collisions at $s^{**}(1/2) = 1.96$ -TeV. *Phys. Rev. Lett.* **102**, 201802 (2009).
1173. Abazov, V. M. *et al.* Measurement of the t anti-t production cross section and top quark mass extraction using dilepton events in p anti-p collisions. *Phys. Lett.* **B679**, 177–185 (2009).
1174. Abazov, V. M. *et al.* Search for Resonant Diphoton Production with the D0 Detector. *Phys. Rev. Lett.* **102**, 231801 (2009).
1175. Abazov, V. M. *et al.* Search for admixture of scalar top quarks in the t anti-t lepton+jets final state at $s^{**}(1/2) = 1.96$ -TeV. *Phys. Lett.* **B674**, 4–10 (2009).
1176. Abazov, V. M. *et al.* Measurement of gamma + b + X and gamma + c + X production cross sections in p anti-p collisions at $s^{**}(1/2) = 1.96$ -TeV. *Phys. Rev. Lett.* **102**, 192002 (2009).

1177. Abazov, V. M. *et al.* Search for associated production of charginos and neutralinos in the trilepton final state using 2.3 fb^{-1} of data. *Phys. Lett.* **B680**, 34–43 (2009).
1178. Abazov, V. M. *et al.* Search for anomalous top quark couplings with the D0 detector. *Phys. Rev. Lett.* **102**, 092002 (2009).
1179. Abazov, V. M. *et al.* Evidence for decay $B_s^0 \rightarrow D_s^{(*)} D_s^{(*)}$ and a measurement of $\Delta\Gamma_s^{CP}/\Gamma_s$. *Phys. Rev. Lett.* **102**, 091801 (2009).
1180. Abazov, V. M. *et al.* Search for the lightest scalar top quark in events with two leptons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$. *Phys. Lett.* **B675**, 289–296 (2009).
1181. Abazov, V. M. *et al.* Search for neutral Higgs bosons at high $\tan\beta$ in the $b(h/H/A) \rightarrow b\tau^+\tau^-$ channel. *Phys. Rev. Lett.* **102**, 051804 (2009).
1182. Abazov, V. M. *et al.* Evidence of $WW+WZ$ production with lepton + jets final states in proton-antiproton collisions at $\sqrt{s} = 1.96 \text{ TeV}$. *Phys. Rev. Lett.* **102**, 161801 (2009).
1183. Abazov, V. M. *et al.* Measurement of the angular and lifetime parameters of the decays $B_d^0 \rightarrow J/\psi K^{*0}$ and $B_s^0 \rightarrow J/\psi\phi$. *Phys. Rev. Lett.* **102**, 032001 (2009).
1184. Abazov, V. M. *et al.* Search for Long-Lived Charged Massive Particles with the D0 Detector. *Phys. Rev. Lett.* **102**, 161802 (2009).
1185. Aad, G. *et al.* The ATLAS Experiment at the CERN Large Hadron Collider. *JINST* **3**, S08003 (2008).
1186. Abazov, V. M. *et al.* Search for Large extra spatial dimensions in the dielectron and diphoton channels in $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$. *Phys. Rev. Lett.* **102**, 051601 (2009).
1187. Abazov, V. M. *et al.* Observation of the doubly strange b baryon Ω_b^- . *Phys. Rev. Lett.* **101**, 232002 (2008).
1188. Abazov, V. M. *et al.* Search for pair production of second generation scalar leptoquarks. *Phys. Lett.* **B671**, 224–232 (2009).
1189. Abazov, V. M. *et al.* A Search for associated W and Higgs Boson production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$. *Phys. Rev. Lett.* **102**, 051803 (2009).
1190. Abazov, V. M. *et al.* Measurement of $\sigma(p\bar{p} \rightarrow Z + X) \text{ Br}(Z \rightarrow \tau^+\tau^-)$ at $\sqrt{s} = 1.96\text{-TeV}$. *Phys. Lett.* **B670**, 292–299 (2009).
1191. Abazov, V. M. *et al.* Measurement of differential $Z/\gamma^* + \text{jet} + X$ cross sections in $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$. *Phys. Lett.* **B669**, 278–286 (2008).
1192. Abazov, V. M. *et al.* A search for the standard model Higgs boson in the missing energy and acoplanar b-jet topology at $\sqrt{s}=1.96$. *Phys. Rev. Lett.* **101**, 251802 (2008).
1193. Abazov, V. M. *et al.* Observation of ZZ production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$. *Phys. Rev. Lett.* **101**, 171803 (2008).
1194. Abazov, V. M. *et al.* Search for Scalar Leptoquarks and T -odd Quarks in the Acoplanar Jet Topology using 2.5 fb^{-1} of $p\bar{p}$ Collision Data at $\sqrt{s} = 1.96\text{-TeV}$. *Phys. Lett.* **B668**, 357–363 (2008).
1195. Abazov, V. M. *et al.* $ZZ \rightarrow \ell^+\ell^- \nu \text{ anti-}\nu$ production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96\text{-TeV}$. *Phys. Rev.* **D78**, 072002 (2008).
1196. Abazov, V. M. *et al.* Measurement of the electron charge asymmetry in $p\bar{p} \rightarrow W + X \rightarrow e\nu + X$ events at $\sqrt{s} = 1.96\text{-TeV}$. *Phys. Rev. Lett.* **101**, 211801 (2008).
1197. Abazov, V. M. *et al.* Precise measurement of the top quark mass from lepton+jets events at D0. *Phys. Rev. Lett.* **101**, 182001 (2008).
1198. Abazov, V. M. *et al.* Search for anomalous Wtb couplings in single top quark production. *Phys. Rev. Lett.* **101**, 221801 (2008).
1199. Abazov, V. M. *et al.* Search for charged Higgs bosons decaying to top and bottom quarks in $p\bar{p}$ collisions. *Phys. Rev. Lett.* **102**, 191802 (2009).
1200. Abouzaid, E. *et al.* Detailed Study of the $K(L)$ to $\pi^0 \pi^0 \pi^0$ Dalitz Plot. *Phys. Rev.* **D78**, 032009 (2008).
1201. Abazov, V. M. *et al.* Search for third generation scalar leptoquarks decaying into τb . *Phys. Rev. Lett.* **101**, 241802 (2008).

1202. Abazov, V. M. *et al.* Search for long-lived particles decaying into electron or photon pairs with the D0 detector. *Phys. Rev. Lett.* **101**, 111802 (2008).
1203. Abazov, V. M. *et al.* Search for a scalar or vector particle decaying into $Z\gamma$ in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. *Phys. Lett.* **B671**, 349–355 (2009).
1204. Abazov, V. M. *et al.* Search for neutral Higgs bosons in multi-b-jet events in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Rev. Lett.* **101**, 221802 (2008).
1205. Abazov, V. M. *et al.* Measurement of the lifetime of the B_c^\pm meson in the semileptonic decay channel. *Phys. Rev. Lett.* **102**, 092001 (2009).
1206. Abazov, V. M. *et al.* Relative rates of B meson decays into ψ_{2S} and J/ψ mesons. *Phys. Rev.* **D79**, 111102 (2009).
1207. Abazov, V. M. *et al.* Search for Higgs bosons decaying to τ pairs in $p\bar{p}$ collisions with the D0 detector. *Phys. Rev. Lett.* **101**, 071804 (2008).
1208. Abouzaid, E. *et al.* Final Results from the KTeV Experiment on the Decay $K_L \rightarrow \pi^0\gamma\gamma$. *Phys. Rev.* **D77**, 112004 (2008).
1209. Abazov, V. M. *et al.* Search for $t\bar{t}$ resonances in the lepton plus jets final state in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Lett.* **B668**, 98–104 (2008).
1210. Abazov, V. M. *et al.* Measurement of the forward-backward charge asymmetry and extraction of $\sin^{**2}\Theta(W)(\text{eff})$ in p anti- p to $Z/\gamma^* + X$ to $e^+ e^- + X$ events produced at $s^{**}(1/2) = 1.96$ TeV. *Phys. Rev. Lett.* **101**, 191801 (2008).
1211. Abazov, V. M. *et al.* Measurement of the polarization of the v_{1S} and v_{2S} states in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Rev. Lett.* **101**, 182004 (2008).
1212. Abazov, V. M. *et al.* Measurement of the Differential Cross-Section for the Production of an Isolated Photon with Associated Jet in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Lett.* **B666**, 435–445 (2008).
1213. Abazov, V. M. *et al.* Search for W' Boson Resonances Decaying to a Top Quark and a Bottom Quark. *Phys. Rev. Lett.* **100**, 211803 (2008).
1214. Abazov, V. M. *et al.* Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Rev. Lett.* **100**, 192004 (2008).
1215. Abazov, V. M. *et al.* Search for scalar top quarks in the acoplanar charm jets and missing transverse energy final state in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Lett.* **B665**, 1–8 (2008).
1216. Abazov, V. M. *et al.* Measurement of the ratio of the $p\bar{p} \rightarrow W^+c^-$ jet cross section to the inclusive $p\bar{p} \rightarrow W + \text{jets}$ cross section. *Phys. Lett.* **B666**, 23–30 (2008).
1217. Abazov, V. M. *et al.* Search for large extra dimensions via single photon plus missing energy final states at $\sqrt{s} = 1.96$ -TeV. *Phys. Rev. Lett.* **101**, 011601 (2008).
1218. Abazov, V. M. *et al.* Search for pair production of doubly-charged Higgs bosons in the $H^{++}H^{--} \rightarrow \mu^+\mu^+\mu^-\mu^-$ final state at D0. *Phys. Rev. Lett.* **101**, 071803 (2008).
1219. Abazov, V. M. *et al.* Search for decay of a fermiophobic Higgs boson $h(f) \rightarrow \gamma\gamma$ with the D0 detector at $\sqrt{s} = 1.96$ -TeV. *Phys. Rev. Lett.* **101**, 051801 (2008).
1220. Abazov, V. M. *et al.* Evidence for production of single top quarks. *Phys. Rev.* **D78**, 012005 (2008).
1221. Abazov, V. M. *et al.* First study of the radiation-amplitude zero in $W\gamma$ production and limits on anomalous $WW\gamma$ couplings at $\sqrt{s} = 1.96$ - TeV. *Phys. Rev. Lett.* **100**, 241805 (2008).
1222. Abazov, V. M. *et al.* Observation of the B_c Meson in the Exclusive Decay $B_c \rightarrow J/\psi\pi$. *Phys. Rev. Lett.* **101**, 012001 (2008).
1223. Abazov, V. M. *et al.* Study of direct CP violation in $B^\pm \rightarrow J/\psi K^\pm(\pi^\pm)$ decays. *Phys. Rev. Lett.* **100**, 211802 (2008).
1224. Abazov, V. M. *et al.* Measurement of the inclusive jet cross-section in $p\bar{p}$ collisions at $s^{(1/2)} = 1.96$ -TeV. *Phys. Rev. Lett.* **101**, 062001 (2008).

1225. Abazov, V. M. *et al.* Measurement of B_s^0 mixing parameters from the flavor-tagged decay $B_s^0 \rightarrow J/\psi\phi$. *Phys. Rev. Lett.* **101**, 241801 (2008).
1226. Abouzaid, E. *et al.* Determination of the Parity of the Neutral Pion via the Four-Electron Decay. *Phys. Rev. Lett.* **100**, 182001 (2008).
1227. Abazov, V. M. *et al.* Simultaneous measurement of the ratio $B(t \rightarrow Wb) / B(t \rightarrow Wq)$ and the top quark pair production cross section with the D0 detector at $\sqrt{s} = 1.96$ -TeV. *Phys. Rev. Lett.* **100**, 192003 (2008).
1228. Abazov, V. M. *et al.* Search for excited electrons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Rev.* **D77**, 091102 (2008).
1229. Abazov, V. M. *et al.* Search for squarks and gluinos in events with jets and missing transverse energy using 2.1 fb^{-1} of $p\bar{p}$ collision data at $\sqrt{s} = 1.96$ - TeV. *Phys. Lett.* **B660**, 449–457 (2008).
1230. Abazov, V. M. *et al.* Measurement of the B_s^0 semileptonic branching ratio to an orbitally excited D_s state, $\text{Br}(B_s^0 \rightarrow D_{s1}^-(2536)\mu^+\nu X)$. *Phys. Rev. Lett.* **102**, 051801 (2009).
1231. Abazov, V. M. *et al.* First measurement of the forward-backward charge asymmetry in top quark pair production. *Phys. Rev. Lett.* **100**, 142002 (2008).
1232. Abazov, V. M. *et al.* Measurement of the shape of the boson transverse momentum distribution in $p\bar{p} \rightarrow Z/\gamma^* \rightarrow e^+e^- + X$ events produced at $\sqrt{s}=1.96$ -TeV. *Phys. Rev. Lett.* **100**, 102002 (2008).
1233. Abazov, V. M. *et al.* Search for ZZ and $Z\gamma^*$ production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV and limits on anomalous ZZZ and $ZZ\gamma^*$ couplings. *Phys. Rev. Lett.* **100**, 131801 (2008).
1234. Abazov, V. M. *et al.* A Combined search for the standard model Higgs boson at $\sqrt{s} = 1.96$ -TeV. *Phys. Lett.* **B663**, 26–36 (2008).
1235. Abouzaid, E. *et al.* Search for lepton flavor violating decays of the neutral kaon. *Phys. Rev. Lett.* **100**, 131803 (2008).
1236. Abazov, V. M. *et al.* Search for Scalar Neutrino Superpartners in $e + \mu$ Final States in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Rev. Lett.* **100**, 241803 (2008).
1237. Abazov, V. M. *et al.* Model-independent measurement of the W boson helicity in top quark decays at D0. *Phys. Rev. Lett.* **100**, 062004 (2008).
1238. Abazov, V. M. *et al.* Observation and properties of the orbitally excited $B^*(s_2)$ meson. *Phys. Rev. Lett.* **100**, 082002 (2008).
1239. Abazov, V. M. *et al.* Search for supersymmetry in di-photon final states at $\sqrt{s} = 1.96$ -TeV. *Phys. Lett.* **B659**, 856–863 (2008).
1240. Abazov, V. M. *et al.* Search for Randall-Sundrum gravitons with 1 fb^{-1} of data from $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Rev. Lett.* **100**, 091802 (2008).
1241. Abazov, V. M. *et al.* Search for W' bosons decaying to an electron and a neutrino with the D0 detector. *Phys. Rev. Lett.* **100**, 031804 (2008).
1242. Abazov, V. M. *et al.* Measurement of the $p\bar{p} \rightarrow WZ + X$ cross-section at $\sqrt{s} = 1.96$ -TeV and limits on WWZ trilinear gauge couplings. *Phys. Rev.* **D76**, 111104 (2007).
1243. Abouzaid, E. *et al.* Search for the Rare Decay $K_L \rightarrow \pi^0\pi^0\gamma$. *Phys. Rev.* **D78**, 032014 (2008).
1244. Abazov, V. M. *et al.* Search for flavor-changing-neutral-current D meson decays. *Phys. Rev. Lett.* **100**, 101801 (2008).
1245. Abazov, V. M. *et al.* Search for $B_s \rightarrow \mu^+\mu^-$ at D0. *Phys. Rev.* **D76**, 092001 (2007).
1246. Abazov, V. M. *et al.* Search for the lightest scalar top quark in events with two leptons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Lett.* **B659**, 500–508 (2008).
1247. Abouzaid, E. *et al.* Measurement of the Decay $K_L \rightarrow \pi^0 e^+ e^- \gamma$. *Phys. Rev.* **D76**, 052001 (2007).
1248. Abazov, V. M. *et al.* Measurement of the Λ_b^0 lifetime using semileptonic decays. *Phys. Rev. Lett.* **99**, 182001 (2007).

1249. Abazov, V. M. *et al.* Direct observation of the strange b baryon Ξ_b^- . *Phys. Rev. Lett.* **99**, 052001 (2007).
1250. Abazov, V. M. *et al.* Measurement of the $t\bar{t}$ production cross-section in $p\bar{p}$ collisions using dilepton events. *Phys. Rev.* **D76**, 052006 (2007).
1251. Abazov, V. M. *et al.* Observation and Properties of $L = 1B_1$ and B_2^* Mesons. *Phys. Rev. Lett.* **99**, 172001 (2007).
1252. Abouzaid, E. *et al.* First observation of $K_L \rightarrow \pi^\pm e^\mp \nu e^+ e^-$. *Phys. Rev. Lett.* **99**, 081803 (2007).
1253. Abazov, V. M. *et al.* Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV using kinematic characteristics of lepton + jets events. *Phys. Rev.* **D76**, 092007 (2007).
1254. Abazov, V. M. *et al.* $Z\gamma$ production and limits on anomalous $ZZ\gamma$ and $Z\gamma\gamma$ couplings in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Lett.* **B653**, 378–386 (2007).
1255. Abazov, V. M. *et al.* Search for third-generation leptoquarks in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Rev. Lett.* **99**, 061801 (2007).
1256. Abazov, V. M. *et al.* Search for Stopped Gluinos from $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Rev. Lett.* **99**, 131801 (2007).
1257. Abazov, V. M. *et al.* Measurement of the Λ_b Lifetime in the Exclusive Decay $\Lambda_b \rightarrow J/\psi\Lambda$. *Phys. Rev. Lett.* **99**, 142001 (2007).
1258. Abazov, V. M. *et al.* Search for a Higgs Boson Produced in Association with a Z Boson in $p\bar{p}$ Collisions. *Phys. Lett.* **B655**, 209–216 (2007).
1259. Abazov, V. M. *et al.* Measurement of the Branching Fraction $\text{Br}(B^0(s) \rightarrow D_s^{(*)} D_s^{(*)})$. *Phys. Rev. Lett.* **99**, 241801 (2007).
1260. Abouzaid, E. *et al.* Measurements of the Decay $K_L \rightarrow e^+ e^- \gamma$. *Phys. Rev. Lett.* **99**, 051804 (2007).
1261. Abazov, V. M. *et al.* Combined D^0 Measurements Constraining the CP-Violating Phase and Width Difference in the B_s^0 System. *Phys. Rev.* **D76**, 057101 (2007).
1262. Abazov, V. M. *et al.* Measurement of the Shape of the Boson Rapidity Distribution for $p\bar{p} \rightarrow Z/\gamma^* \rightarrow e^+ e^- + X$ Events Produced at \sqrt{s} of 1.96-TeV. *Phys. Rev.* **D76**, 012003 (2007).
1263. Abazov, V. M. *et al.* Measurement of the Top Quark Mass in the Lepton + Jets Channel using the Ideogram Method. *Phys. Rev.* **D75**, 092001 (2007).
1264. Abazov, V. M. *et al.* Search for Production of Single Top Quarks Via Flavor-Changing Neutral Current Couplings. *Phys. Rev. Lett.* **99**, 191802 (2007).
1265. Abazov, V. M. *et al.* Lifetime Difference and CP-Violating Phase in the B_s^0 System. *Phys. Rev. Lett.* **98**, 121801 (2007).
1266. Abazov, V. M. *et al.* Measurement of the Charge Asymmetry in Semileptonic B_s Decays. *Phys. Rev. Lett.* **98**, 151801 (2007).
1267. Abazov, V. M. *et al.* Evidence for production of single top quarks and first direct measurement of $-\text{Vtb}$. *Phys. Rev. Lett.* **98**, 181802 (2007).
1268. Abazov, V. M. *et al.* Measurement of the $p\bar{p} \rightarrow t\bar{t}$ production cross section at $\sqrt{s} = 1.96$ -TeV in the fully hadronic decay channel. *Phys. Rev.* **D76**, 072007 (2007).
1269. Abazov, V. M. *et al.* Search for techniparticles in e+jets events at D0. *Phys. Rev. Lett.* **98**, 221801 (2007).
1270. Abazov, V. M. *et al.* Search for single production of scalar leptoquarks in p anti-p collisions decaying into muons and quarks with the D0 detector. *Phys. Lett.* **B647**, 74–81 (2007).
1271. Abouzaid, E. *et al.* Improved $K(L)$ to $\pi^\pm e^\pm \nu$ form factor and phase space integral with reduced model uncertainty. *Phys. Rev.* **D74**, 097101 (2006).
1272. Abazov, V. M. *et al.* Search for the pair production of scalar top quarks in the acoplanar charm jet final state in p anti-p collisions at $s^{**}(1/2) = 1.96$ -TeV. *Phys. Lett.* **B645**, 119–127 (2007).
1273. Abazov, V. M. *et al.* Measurement of the t anti-t production cross section in p anti-p collisions at $s^{**}(1/2) = 1.96$ -TeV using secondary vertex b tagging. *Phys. Rev.* **D74**, 112004 (2006).

1274. Abouzaid, E. *et al.* Measurement of the Rare Decay $\pi^0 \rightarrow e^+e^-$. *Phys. Rev.* **D75**, 012004 (2007).
1275. Abazov, V. M. *et al.* Measurement of the top quark mass in the dilepton channel. *Phys. Lett.* **B655**, 7–14 (2007).
1276. Abazov, V. M. *et al.* Measurement of the top quark mass in the lepton+jets final state with the matrix element method. *Phys. Rev.* **D74**, 092005 (2006).
1277. Abazov, V. M. *et al.* Measurement of the W boson helicity in top quark decay at D0. *Phys. Rev.* **D75**, 031102 (2007).
1278. Abazov, V. M. *et al.* Measurement of B_d mixing using opposite-side flavor tagging. *Phys. Rev.* **D74**, 112002 (2006).
1279. Abazov, V. M. *et al.* Measurement of the CP-violation parameter of B0 mixing and decay with p anti-p to mu mu X data. *Phys. Rev.* **D74**, 092001 (2006).
1280. Abazov, V. M. *et al.* Measurement of the ratios of the Z/gamma* + χ = n jet production cross sections to the total inclusive Z/gamma* cross section in p anti-p collisions at $\sqrt{s}(1/2) = 1.96$ -TeV. *Phys. Lett.* **B658**, 112–119 (2008).
1281. Abazov, V. M. *et al.* Experimental discrimination between charge $2e/3$ top quark and charge $4e/3$ exotic quark production scenarios. *Phys. Rev. Lett.* **98**, 041801 (2007).
1282. Abazov, V. M. *et al.* Search for pair production of scalar bottom quarks in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Rev. Lett.* **97**, 171806 (2006).
1283. Abazov, V. M. *et al.* Limits on anomalous trilinear gauge couplings from $WW \rightarrow e^+e^-$, $WW \rightarrow e^\pm\mu^\mp$, and $WW \rightarrow \mu^+\mu^-$ events from $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Rev.* **D74**. [Erratum: *Phys. Rev.*D74,059904(2006)], 057101 (2006).
1284. Abouzaid, E. *et al.* Ξ^0 and $\bar{\Xi}^0$ Polarization Measurements at 800-GeV/c. *Phys. Rev.* **D75**, 012005 (2007).
1285. Abazov, V. M. *et al.* Search for W' boson production in the top quark decay channel. *Phys. Lett.* **B641**, 423–431 (2006).
1286. Abazov, V. M. *et al.* Search for associated Higgs boson production $WH \rightarrow WWW^* \rightarrow \ell^\pm\nu\ell'+\nu' + X$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Rev. Lett.* **97**, 151804 (2006).
1287. Abazov, V. M. *et al.* Search for neutral, long-lived particles decaying into two muons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Rev. Lett.* **97**, 161802 (2006).
1288. Abazov, V. M. *et al.* Search for the Standard Model Higgs Boson in the $p\bar{p} \rightarrow ZH \rightarrow \nu\bar{\nu}b\bar{b}$ channel. *Phys. Rev. Lett.* **97**, 161803 (2006).
1289. Abazov, V. M. *et al.* Search for scalar leptoquarks in the acoplanar jet topology in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Lett.* **B640**, 230–237 (2006).
1290. Abazov, V. M. *et al.* Search for a heavy resonance decaying into a Z+ jet final state in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV using the D0 detector. *Phys. Rev.* **D74**, 011104 (2006).
1291. Abazov, V. M. *et al.* Search for particles decaying into a Z boson and a photon in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. *Phys. Lett.* **B641**. [Erratum: *Phys. Lett.*B670,455(2009)], 415–422 (2006).
1292. Abazov, V. M. *et al.* Search for resonant second generation slepton production at the Tevatron. *Phys. Rev. Lett.* **97**, 111801 (2006).
1293. Abazov, V. M. *et al.* Search for neutral Higgs bosons decaying to τ pairs in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Rev. Lett.* **97**, 121802 (2006).
1294. Abazov, V. M. *et al.* Search for R-parity violating supersymmetry via the LL anti-E couplings λ_{121} , λ_{122} or λ_{133} in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Lett.* **B638**, 441–449 (2006).
1295. Abazov, V. M. *et al.* A Precise measurement of the B_s^0 lifetime. *Phys. Rev. Lett.* **97**, 241801 (2006).
1296. Abazov, V. M. *et al.* Search for excited muons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ - TeV. *Phys. Rev.* **D73**, 111102 (2006).
1297. Abouzaid, E. *et al.* Measurement of direct photon emission in the $K_L \rightarrow \pi^+\pi^-\gamma$ decay mode. *Phys. Rev.* **D74**. [Erratum: *Phys. Rev.*D74,039905(2006)], 032004 (2006).

1298. Abazov, V. M. *et al.* Search for Squarks and Gluinos in Events with Jets and Missing Transverse Energy in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Lett.* **B638**, 119–127 (2006).
1299. Abazov, V. M. *et al.* Multivariate searches for single top quark production with the D0 detector. *Phys. Rev.* **D75**, 092007 (2007).
1300. Abazov, V. M. *et al.* Search for the rare decay $B_s^0 \rightarrow \phi\mu^+\mu^-$ with the D0 detector. *Phys. Rev.* **D74**, 031107 (2006).
1301. Abazov, V. M. *et al.* First direct two-sided bound on the B_s^0 oscillation frequency. *Phys. Rev. Lett.* **97**, 021802 (2006).
1302. Abazov, V. M. *et al.* Measurement of $B(t \rightarrow Wb) / B(t \rightarrow Wq)$ at $\sqrt{s} = 1.96$ -TeV. *Phys. Lett.* **B639**, 616–622 (2006).
1303. Abazov, V. M. *et al.* Search for pair production of second generation scalar leptoquarks in p anti-p collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Lett.* **B636**, 183–190 (2006).
1304. Abazov, V. M. *et al.* Measurement of the isolated photon cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Lett.* **B639**. [Erratum: *Phys. Lett.*B658,285(2008)], 151–158 (2006).
1305. Abazov, V. M. *et al.* Search for the Higgs boson in $H \rightarrow WW^{(*)}$ decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Rev. Lett.* **96**, 011801 (2006).
1306. Abouzaid, E. *et al.* A Measurement of the K^0 charge radius and a CP violating asymmetry together with a search for CP violating e1 direct photon emission in the rare decay $K(L)$ to $\pi^+\pi^-\pi^+\pi^-$. *Phys. Rev. Lett.* **96**, 101801 (2006).
1307. Abazov, V. M. *et al.* The Upgraded D0 detector. *Nucl. Instrum. Meth.* **A565**, 463–537 (2006).
1308. Abazov, V. M. *et al.* Measurement of the Lifetime Difference in the B_s^0 system. *Phys. Rev. Lett.* **95**, 171801 (2005).
1309. Abazov, V. M. *et al.* Measurement of semileptonic branching fractions of B mesons to narrow D^{**} states. *Phys. Rev. Lett.* **95**, 171803 (2005).
1310. Abazov, V. M. *et al.* Search for large extra spatial dimensions in dimuon production at D0. *Phys. Rev. Lett.* **95**, 161602 (2005).
1311. Abazov, V. M. *et al.* Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV in dilepton final states. *Phys. Lett.* **B626**, 55–64 (2005).
1312. Abazov, V. M. *et al.* Search for single top quark production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Lett.* **B622**, 265–276 (2005).
1313. Abazov, V. M. *et al.* Search for right-handed W bosons in top quark decay. *Phys. Rev.* **D72**, 011104 (2005).
1314. Abazov, V. M. *et al.* Search for Randall-Sundrum gravitons in dilepton and diphoton final states. *Phys. Rev. Lett.* **95**, 091801 (2005).
1315. Abazov, V. M. *et al.* Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV using lepton + jets events with lifetime b^- tagging. *Phys. Lett.* **B626**, 35–44 (2005).
1316. Abouzaid, E. *et al.* Observation of the decay Ξ_{cc}^+ to $\Sigma_{cc}^+\mu^-$ anti- $\nu(\mu)$. *Phys. Rev. Lett.* **95**, 081801 (2005).
1317. Abazov, V. M. *et al.* Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96 =$ TeV using kinematic characteristics of lepton + jets events. *Phys. Lett.* **B626**, 45–54 (2005).
1318. Abazov, V. M. *et al.* Search for supersymmetry via associated production of charginos and neutralinos in final states with three leptons. *Phys. Rev. Lett.* **95**, 151805 (2005).
1319. Abazov, V. M. *et al.* Production of WZ events in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV and limits on anomalous WWZ couplings. *Phys. Rev. Lett.* **95**, 141802 (2005).
1320. Abazov, V. M. *et al.* Search for neutral supersymmetric Higgs bosons in multijet events at $\sqrt{s} = 1.96$ -TeV. *Phys. Rev. Lett.* **95**, 151801 (2005).

1321. Abazov, V. M. *et al.* Measurement of the $p - \bar{p} \rightarrow W\gamma + X$ cross section at $\sqrt{s} = 1.96$ -TeV and $WW\gamma$ anomalous coupling limits. *Phys. Rev.* **D71**, 091108 (2005).
1322. Abazov, V. M. *et al.* Study of $Z\gamma$ events and limits on anomalous $ZZ\gamma$ and $Z\gamma\gamma$ couplings in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Rev. Lett.* **95**, 051802 (2005).
1323. Abazov, V. M. *et al.* Measurement of inclusive differential cross sections for v_{1S} production in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Rev. Lett.* **94**. [Erratum: *Phys. Rev. Lett.*100,049902(2008)], 232001 (2005).
1324. Cheu, E. KTeV results on rare kaon decays. *Frascati Phys. Ser.* **35**. [,377(2004)], 377–384 (2004).
1325. Cheu, E. Properties of heavy meson states B^{**} and B_c . *Int. J. Mod. Phys.* **A20**, 3664–3668 (2005).
1326. Abazov, V. M. *et al.* Search for first-generation scalar leptoquarks in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ -TeV. *Phys. Rev.* **D71**, 071104 (2005).
1327. Abazov, V. M. *et al.* First measurement of $\sigma(p\bar{p} \rightarrow Z)$. $\text{Br}(Z \rightarrow \tau\tau)$ at $\sqrt{s} = 1.96$ - TeV. *Phys. Rev.* **D71**. [Erratum: *Phys. Rev.*D77,039901(2008)], 072004 (2005).
1328. Abazov, V. M. *et al.* A Search for anomalous heavy-flavor quark production in association with W bosons. *Phys. Rev. Lett.* **94**, 152002 (2005).
1329. Abazov, V. M. *et al.* A measurement of the ratio of inclusive cross sections $\sigma(pp \rightarrow Z + b - \text{jet})/\sigma(pp \rightarrow Z + \text{jet})$ at $\sqrt{s} = 1.96$ TeV. *Phys. Rev. Lett.* **94**, 161801 (2005).
1330. Alexopoulos, T. *et al.* Measurements of the branching fractions and decay distributions for $K(L)$ to $\pi^+\pi^-\nu$ gamma and $K(L)$ to $\pi^+\pi^-\nu$ gamma. *Phys. Rev.* **D71**, 012001 (2005).
1331. Abazov, V. M. *et al.* A Search for $Wb\bar{b}$ and WH Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV. *Phys. Rev. Lett.* **94**, 091802 (2005).
1332. Abazov, V. M. *et al.* Measurement of the Λ_b^0 lifetime in the decay $\Lambda_b^0 \rightarrow J/\psi\Lambda^0$ with the DØ detector. *Phys. Rev. Lett.* **94**, 102001 (2005).
1333. Abazov, V. M. *et al.* Measurement of the ratio of B^+ and B^0 meson lifetimes. *Phys. Rev. Lett.* **94**, 182001 (2005).
1334. Abazov, V. M. *et al.* A search for the flavor-changing neutral current decay $B_s^0 \rightarrow \mu^+\mu^-$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV with the DØ detector. *Phys. Rev. Lett.* **94**, 071802 (2005).
1335. Abazov, V. M. *et al.* Measurement of the B_s^0 lifetime in the exclusive decay channel $B_s^0 \rightarrow J/\psi\phi$. *Phys. Rev. Lett.* **94**, 042001 (2005).
1336. Abazov, V. M. *et al.* Measurement of dijet azimuthal decorrelations at central rapidities in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. *Phys. Rev. Lett.* **94**, 221801 (2005).
1337. Abazov, V. M. *et al.* Search for supersymmetry with gauge-mediated breaking in diphoton events at D0. *Phys. Rev. Lett.* **94**, 041801 (2005).
1338. Alexopoulos, T. *et al.* Measurements of semileptonic $K(L)$ decay form-factors. *Phys. Rev.* **D70**, 092007 (2004).
1339. Alexopoulos, T. *et al.* Measurements of $K(L)$ branching fractions and the CP violation parameter $-\eta_{+-}$. *Phys. Rev.* **D70**, 092006 (2004).
1340. Alexopoulos, T. *et al.* A Determination of the CKM parameter $-\text{V}(us)-$. *Phys. Rev. Lett.* **93**, 181802 (2004).
1341. Abazov, V. M. *et al.* Observation and properties of the $X(3872)$ decaying to $J/\psi\pi^+\pi^-$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. *Phys. Rev. Lett.* **93**, 162002 (2004).
1342. Abazov, V. M. *et al.* Search for doubly-charged Higgs boson pair production in the decay to $\mu^+\mu^+\mu^-\mu^-$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. *Phys. Rev. Lett.* **93**, 141801 (2004).
1343. Alavi-Harati, A. *et al.* Search for the rare decay $K(L)$ to $\pi^0 e^+ e^-$. *Phys. Rev. Lett.* **93**, 021805 (2004).
1344. Alavi-Harati, A. *et al.* Measurements of the Decay $K_L \rightarrow e^+e^-\mu^+\mu^-$. *Phys. Rev. Lett.* **90**, 141801 (2003).
1345. Alavi-Harati, A. *et al.* Search for the $K_L \rightarrow \pi^0\pi^0e^+e^-$ Decay in the KTeV Experiment. *Phys. Rev. Lett.* **89**, 211801 (2002).


1346. Alavi-Harati, A. *et al.* Measurements of direct CP violation, CPT symmetry, and other parameters in the neutral kaon system. *Phys. Rev.* **D67**. [Erratum: *Phys. Rev.*D70,079904(2004)], 012005 (2003).
1347. Alavi-Harati, A. *et al.* A Measurement of the K_L Charge Asymmetry. *Phys. Rev. Lett.* **88**, 181601 (2002).
1348. Alavi-Harati, A. *et al.* Radiative Decay Width Measurements of Neutral Kaon Excitations using the Primakoff Effect. *Phys. Rev. Lett.* **89**, 072001 (2002).
1349. Alavi-Harati, A. *et al.* Measurement of the branching ratio and form-factor of $K(L)$ to $\mu^+ \mu^- \gamma$. *Phys. Rev. Lett.* **87**, 071801 (2001).
1350. Alavi-Harati, A. *et al.* Branching ratio measurement of the decay $K(L)$ to $e^+ e^- \mu^+ \mu^-$. *Phys. Rev. Lett.* **87**, 111802 (2001).
1351. Alavi-Harati, A. *et al.* A New Measurement of the Radiative K_{e3} Branching Ratio and Photon Spectrum. *Phys. Rev.* **D64**, 112004 (2001).
1352. Alavi-Harati, A. *et al.* First Measurement of Form-Factors of the Decay $\Xi^0 \rightarrow \Sigma^+ e^- \bar{\nu}_e$. *Phys. Rev. Lett.* **87**, 132001 (2001).
1353. Alavi-Harati, A. *et al.* Measurements of the Rare Decay $K_L \rightarrow e^+ e^- e^+ e^-$. *Phys. Rev. Lett.* **86**, 5425–5429 (2001).
1354. Cheu, E. Status of the KTeV $\text{Re}(\epsilon'/\epsilon)$ measurement. *Frascati Phys. Ser.* **20**. [487(2000)], 487–498 (2001).
1355. Alavi-Harati, A. *et al.* A Measurement of the branching ratio and asymmetry of the decay Ξ^0 to $\Sigma^0 \gamma$. *Phys. Rev. Lett.* **86**, 3239–3243 (2001).
1356. Alavi-Harati, A. *et al.* First observation of the decay $K(L)$ to $\pi^0 e^+ e^- \gamma$. *Phys. Rev. Lett.* **87**, 021801 (2001).
1357. Alavi-Harati, A. *et al.* A Measurement of the Branching Ratio of $K_L \rightarrow e^+ e^- \gamma \gamma$. *Phys. Rev.* **D64**, 012003 (2001).
1358. Alavi-Harati, A. *et al.* Search for the decay $K(L)$ to $\pi^0 e^+ e^-$. *Phys. Rev. Lett.* **86**, 397–401 (2001).
1359. Alavi-Harati, A. *et al.* Study of the $K^0(L)$ to $\pi^+ \pi^- \gamma$ direct emission vertex. *Phys. Rev. Lett.* **86**, 761–764 (2001).
1360. Alavi-Harati, A. *et al.* Search for the Decay $K_L \rightarrow \pi^0 \mu^+ \mu^-$. *Phys. Rev. Lett.* **84**, 5279–5282 (2000).
1361. Alavi-Harati, A. *et al.* Observation of the Decay $K_L \rightarrow \mu^+ \mu^- \gamma \gamma$. *Phys. Rev.* **D62**, 112001 (2000).
1362. Cheu, E. Measurement of $\text{Re}(\epsilon'/\epsilon)$ by the KTEV experiment. *Frascati Phys. Ser.* **16**. [89(1999)], 89–98 (1999).
1363. Alavi-Harati, A. *et al.* Search for the weak decay of a lightly bound H^0 dibaryon. *Phys. Rev. Lett.* **84**, 2593–2597 (2000).
1364. Alavi-Harati, A. *et al.* Observation of CP violation in $K(L)$ to $\pi^+ \pi^- e^+ e^-$ decays. *Phys. Rev. Lett.* **84**, 408–411 (2000).
1365. Alavi-Harati, A. *et al.* Search for the decay $K(L)$ to π^0 neutrino anti-neutrino using π^0 to $e^+ e^- \gamma$. *Phys. Rev.* **D61**, 072006 (2000).
1366. Alavi-Harati, A. *et al.* Observation of direct CP violation in $K_{S,L} \rightarrow \pi\pi$ decays. *Phys. Rev. Lett.* **83**, 22–27 (1999).
1367. Alavi-Harati, A. *et al.* Light gluino search for decays containing $\pi^+ \pi^-$ or π^0 from a neutral hadron beam at Fermilab. *Phys. Rev. Lett.* **83**, 2128–2132 (1999).
1368. Alavi-Harati, A. *et al.* Measurement of the branching ratio of π^0 to $e^+ e^-$ using $K(L)$ to 3 π^0 decays in flight. *Phys. Rev. Lett.* **83**, 922–925 (1999).
1369. Alavi-Harati, A. *et al.* Measurement of the decay $K(L)$ to $\pi^0 \gamma \gamma$. *Phys. Rev. Lett.* **83**, 917–921 (1999).
1370. Affolder, A. A. *et al.* Observation of the decay Ξ^0 to $\Sigma^+ e^- \bar{\nu}_e$. *Phys. Rev. Lett.* **82**, 3751–3754 (1999).

1371. Arisaka, K. *et al.* Search for the lepton-family number violating decays $K(L)$ to $\pi^0 \mu^+ e^-$. *Phys. Lett.* **B432**, 230–234 (1998).
1372. Adams, J. *et al.* Search for the decay $K(L)$ to π^0 neutrino anti-neutrino. *Phys. Lett.* **B447**, 240–245 (1999).
1373. Adams, J. *et al.* Measurement of the branching fraction of the decay $K(L)$ to $\pi^+ \pi^- e^+ e^-$. *Phys. Rev. Lett.* **80**, 4123–4126 (1998).
1374. Adams, J. *et al.* Search for light gluinos via the spontaneous appearance of $\pi^+ \pi^-$ pairs with an 800-GeV/c proton beam at Fermilab. *Phys. Rev. Lett.* **79**, 4083–4087 (1997).
1375. Gu, P. *et al.* First evidence for the decay $K(L)$ to $e^+ e^- \mu^+ \mu^-$. *Phys. Rev. Lett.* **76**, 4312–4315 (1996).
1376. Matthews, J. N. *et al.* New measurement of the CP violation parameter $\eta(+ - \gamma)$. *Phys. Rev. Lett.* **75**, 2803–2806 (1995).
1377. Bown, C., Cheu, E., Dusatko, J., Sanders, H. & Zeleznik, M. The KTeV hardware cluster counter. *Nucl. Instrum. Meth.* **A369**, 248–254 (1996).
1378. Spencer, M. B. *et al.* A Measurement of the branching ratio and form-factor of $K(L)$ to $\mu^+ \mu^- \gamma$. *Phys. Rev. Lett.* **74**, 3323–3326 (1995).
1379. Roberts, D. *et al.* Search for the decay $K^0(L)$ to $\pi^0 \pi^0 \gamma$. *Phys. Rev.* **D50**, 1874–1878 (1994).
1380. Nakaya, T. *et al.* Measurement of the branching ratio of $K(L)$ to $e^+ e^- \gamma \gamma$. *Phys. Rev. Lett.* **73**, 2169–2172 (1994).
1381. Weaver, M. *et al.* Limit on the branching ratio of $K(L)$ to π^0 neutrino anti-neutrino. *Phys. Rev. Lett.* **72**, 3758–3761 (1994).
1382. Gu, P. *et al.* Measurement of the branching ratio and a study of CP for the leptonic decay $K(L)$ to $e^+ e^- e^+ e^-$. *Phys. Rev. Lett.* **72**, 3000–3003 (1994).
1383. Krolak, P. *et al.* A Limit on the lepton family number violating process π^0 to $\mu^+ e^-$. FNAL-799 experiment. *Phys. Lett.* **B320**, 407–410 (1994).
1384. Ramberg, E. J. *et al.* Polarization of Lambda and anti-Lambda produced by 800-GeV protons. *Phys. Lett.* **B338**, 403–408 (1994).
1385. Harris, D. A. *et al.* A Limit on the branching ratio of $K(L)$ to $\pi^0 \mu^+ \mu^-$. *Phys. Rev. Lett.* **71**, 3914–3917 (1993).
1386. Harris, D. A. *et al.* A Limit on the branching ratio of $K(L)$ to $\pi^0 e^+ e^-$. *Phys. Rev. Lett.* **71**, 3918–3921 (1993).
1387. McFarland, K. S. *et al.* A Measurement of the branching ratio of π^0 to $e^+ e^-$ using decays in flight of $K(L)$ to $\pi^0 \pi^0 \pi^0$. *Phys. Rev. Lett.* **71**, 31–34 (1993).
1388. Avery, P. *et al.* D / s^+ decays to $\eta \rho^+$, η' ρ^+ , and $\Phi \rho^+$. *Phys. Rev. Lett.* **68**, 1279–1282 (1992).
1389. Alexander, J. P. *et al.* D / s^+ decays to $\eta \pi^+$ and η' π^+ . *Phys. Rev. Lett.* **68**, 1275–1278 (1992).
1390. Kubota, Y. *et al.* The CLEO-II detector. *Nucl. Instrum. Meth.* **A320**, 66–113 (1992).
1391. Ammar, R. *et al.* The Electronic branching ratio of the tau lepton. *Phys. Rev.* **D45**, 3976–3985 (1992).
1392. Daoudi, M. *et al.* Two-body $D(s)^+$ decays to $\eta \pi^+$, η' π^+ , $\eta \rho^+$, η' ρ^+ , $\Phi \rho^+$. *Phys. Rev.* **D45**, 3965–3975 (1992).
1393. Henderson, S. *et al.* Measurements of semileptonic branching fractions of B mesons at the Upsilon (4S) resonance. *Phys. Rev.* **D45**, 2212–2231 (1992).
1394. Crawford, G. D. *et al.* Measurement of the ratio $B(D^0 \text{ to } K^{*-} e^+ \text{ electron-neutrino}) / B(D^0 \text{ to } K^- e^+ \text{ electron-neutrino})$. *Phys. Rev.* **D44**, 3394–3401 (1991).
1395. Ammar, R. *et al.* Unusual decay modes of D^0 and D^+ mesons. *Phys. Rev.* **D44**, 3383–3393 (1991).

1396. Crawford, G. D. *et al.* Measurement of baryon production in B meson decay. *Phys. Rev.* **D45**, 752–770 (1992).
1397. Kubota, Y. *et al.* Study of continuum D^{*+} spin alignment. *Phys. Rev.* **D44**, 593–600 (1991).
1398. Avery, P. *et al.* Inclusive production of the charmed baryon $\Lambda_b(c)$ from e^+e^- annihilations at $s^{**}(1/2) = 10.55\text{-GeV}$. *Phys. Rev.* **D43**, 3599–3610 (1991).
1399. Avery, P. *et al.* Measurement of the $\Lambda_b(c)$ decay asymmetry parameter. *Phys. Rev. Lett.* **65**, 2842–2845 (1990).
1400. Goldberg, M. *et al.* Study of K^* production in tau decay. *Phys. Lett.* **B251**, 223–228 (1990).
1401. Fulton, R. *et al.* Exclusive and inclusive semileptonic decays of B mesons to D mesons. *Phys. Rev.* **D43**, 651–663 (1991).
1402. Alexander, J. P. *et al.* Study of the decays D_0 to K anti-K, pi anti-pi. *Phys. Rev. Lett.* **65**, 1184–1187 (1990).
1403. Alexander, J. P. *et al.* Observation of $\Upsilon(4s)$ Decays Into Non - $B\bar{B}$ Final States Containing ψ Mesons. *Phys. Rev. Lett.* **64**, 2226 (1990).
1404. Bortoletto, D. *et al.* Exclusive and Inclusive Decays of B Mesons Into $D(s)$ Mesons. *Phys. Rev. Lett.* **64**, 2117 (1990).
1405. Bortoletto, D. *et al.* Study of the Decay $\bar{B}_0 \rightarrow D^{*+} L^-$ Anti-neutrino. *Phys. Rev. Lett.* **63**, 1667–1670 (1989).
1406. Chen, W. Y. *et al.* Measurement of $\gamma\gamma$ Widths of Charmonium States. *Phys. Lett.* **B243**, 169–174 (1990).
1407. Fulton, R. *et al.* Observation of B Meson Semileptonic Decays to Noncharmed Final States. *Phys. Rev. Lett.* **64**, 16–20 (1990).
1408. Bowcock, T. J. V. *et al.* Search for Neutrinoless Decays of the τ Lepton. *Phys. Rev.* **D41**, 805 (1990).
1409. Fulton, R. *et al.* RADIATIVE UPSILON (1S) DECAYS. *Phys. Rev.* **D41**, 1401 (1990).
1410. Avery, P. *et al.* P Wave Charmed Mesons in e^+e^- Annihilation. *Phys. Rev.* **D41**, 774 (1990).
1411. Bowcock, T. J. V. *et al.* Search for the Production of Fractionally Charged Particles in e^+e^- Annihilations at $\sqrt{s} = 10.5\text{ GeV}$. *Phys. Rev.* **D40**, 263 (1989).
1412. Avery, P. *et al.* A Search for Exclusive Penguin Decays of B Mesons. *Phys. Lett.* **B223**, 470–475 (1989).
1413. Mir, R. *et al.* STUDY OF STRAW CHAMBER LIFETIME WITH ARGON ETHANE. *Nucl. Instrum. Meth.* **A283**, 679–681 (1989).
1414. Bortoletto, D. *et al.* A Search for $b \rightarrow u$ Transitions in Exclusive Hadronic B Meson Decays. *Phys. Rev. Lett.* **62**, 2436 (1989).
1415. Alam, M. S. *et al.* Search for a Neutral Higgs Boson in B Meson Decay. *Phys. Rev.* **D40**. [Erratum: *Phys. Rev.* **D40**, 3790(1989)], 712–720 (1989).
1416. Chen, W. Y. *et al.* Measurement of the Muonic Branching Fractions of the $\Upsilon(1s)$ and $\Upsilon(3s)$. *Phys. Rev.* **D39**, 3528 (1989).
1417. Artuso, M. *et al.* B_0 anti- B_0 Mixing at the Upsilon (4S). *Phys. Rev. Lett.* **62**, 2233 (1989).
1418. Avery, P. *et al.* Observation of the Charmed Strange Baryon $\Xi(c)0$. *Phys. Rev. Lett.* **62**, 863 (1989).
1419. Fulton, R. *et al.* First Observation of Inclusive ψ Production in Υ Decays. *Phys. Lett.* **B224**, 445–449 (1989).
1420. Adler, J. *et al.* The Mark-III Vertex Chamber. *Nucl. Instrum. Meth.* **A276**, 42 (1989).
1421. Schwingenheuer, B. *et al.* CPT tests in the neutral kaon system. *Phys. Rev. Lett.* **74**, 4376–4379 (1995).
1422. Battle, M. *et al.* A Measurement of the tau lepton lifetime. *Phys. Lett.* **B291**. [,260(1992)], 488–495 (1992).
1423. Alam, M. S. *et al.* Shape studies of quark jets versus gluon jets at $s^{**}(1.2) = 10\text{-GeV}$. *Phys. Rev.* **D46**, 4822–4827 (1992).

1424. Henderson, S. *et al.* Observation of the decay $\chi(c)0$ to $\omega^- K^+$. *Phys. Lett.* **B283**, 161–164 (1992).
1425. Bortoletto, D. *et al.* Inclusive and exclusive decays of B mesons to final states including charm and charmonium mesons. *Phys. Rev.* **D45**, 21–35 (1992).
1426. Morrison, R. *et al.* Inclusive $\chi(2 p)$ production in $\Upsilon(3s)$ decay. *Phys. Rev. Lett.* **67**, 1696–1700 (1991).
1427. Akerib, D. S. *et al.* Measurement of the inclusive B^* cross-section above the $\Upsilon(4S)$. *Phys. Rev. Lett.* **67**, 1692–1695 (1991).
1428. Brock, I. C. *et al.* Study of $\pi^+ \pi^-$ transitions from the $\Upsilon(3S)$ and a search for the $h(b)$. *Phys. Rev.* **D43**, 1448–1458 (1991).
1429. Kinoshita, K. *et al.* Study of $D0$ decays into final states with a π^0 or η . *Phys. Rev.* **D43**, 2836–2843 (1991).
1430. Alexander, J. P. *et al.* Determination of $B(D(s)^+ \rightarrow \pi^+ \pi^+)$ via observations of $D(s)^+ \rightarrow \pi^+ l^+ \nu$. *Phys. Rev. Lett.* **65**, 1531–1534 (1990).
1431. Chen, W. Y. *et al.* Measurement of $D(s)$ Decay Modes. *Phys. Lett.* **B226**, 192–196 (1989).
1432. Alam, M. S. *et al.* Measurement of the Isospin Mass Splitting $\Xi^+(c) \chi_0(c)$. *Phys. Lett.* **B226**, 401–404 (1989).
1433. Katayama, N. *et al.* TEST INSTALLATION OF A 2.3-cm RADIUS BEAM PIPE AND VERTEX DRIFT CHAMBER IN CLEO AT CESR. *Nucl. Instrum. Meth.* **A283**, 539–543 (1989).
1434. Bowcock, T. J. V. *et al.* $\Sigma(c)^{++}$ and $\Sigma(c)0$ Production From e^+e^- Annihilation in the Υ Energy Region. *Phys. Rev. Lett.* **62**, 1240 (1989).
1435. Bebek, C. *et al.* Search for the Charmless Decays $B \rightarrow p\bar{p}\pi$ and $p\bar{p}\pi\pi$. *Phys. Rev. Lett.* **62**, 8 (1989).

Member/Board of Directors Annual Disclosure Statement
(Adopted August 7, 2012)

Name: Elliott Cheu	
<p>In an effort to avoid any appearance of a lack of integrity and transparency in Tucson Airport Authority's decision-making processes, TAA has adopted a Conflict of Interest Policy applicable to all TAA members. In addition, members of the TAA Board of Directors are required to submit an annual disclosure statement to disclose (i) any personal or financial interests that have a reasonable likelihood to create, or to appear to create, a conflict of interest with TAA, and (ii) any current business relationships involving TAA.</p>	
I have the following personal or financial interests to disclose in accordance with the Policy:	
<p>Campus Research Corporation Board of Directors: Vice Chair Agnese Helms Haury Advised Fund Board</p>	
In addition, I currently have the following business, contractual or other financial relations with the TAA:	
N/A	
<p>I have read and agree to comply with the Tucson Airport Authority Conflict of Interest Policy. I have disclosed on the attached form all potential conflicts and relevant business relationships involving TAA of which I am aware, if any. I will promptly report any changes that may create or appear to create a conflict of interest with TAA.</p>	
SIGNATURE	DATE
	9/22/2024

MAUREEN “MIMI” COOMLER

Chief Executive Officer

Tucson Medical Center

(Nominated by Keri Silvyn)

An Active or Emeritus Member TAA Member must complete and submit this nomination form in collaboration with the potential nominee. The nomination form and additional requested documentation must be received by the TAA Clerk **no later than 11:59 p.m. on October 1, 2023.**

GENERAL INFORMATION			
Name: Maureen Coomler		Length of residency*: 20 Years	
Home Address: [REDACTED]			
E-mail Address: [REDACTED]			
Home Phone No.:		Mobile Phone No.: [REDACTED]	
PROFESSIONAL INFORMATION			
Company: Tucson Medical Center		Profession/Industry: Healthcare/Hospital	
Position/Title: CEO			
Work Address: 5301 East Grant Road			
Work Phone No.: 5203244450		Work E-mail Address: mimi.coomler@tmcaz.com	
DEMOGRAPHIC INFORMATION (Optional)			
What is your race/ethnicity? Please mark the one box that describes the race/ethnicity with which you primarily identify.	<input type="checkbox"/>	Hispanic or Latino: a person of Cuban, Mexican, Chicano, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race.	
	<input checked="" type="checkbox"/>	White: a person that has origins in any of the original peoples of Europe, the Middle East, or North Africa.	
	<input type="checkbox"/>	Black or African American: a person that has origins in any of the Black racial groups of Africa.	
	<input type="checkbox"/>	Asian: a person that has origins in any of the original peoples of East Asia, Southeast Asia, or the Indian subcontinent including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam.	
	<input type="checkbox"/>	Native Hawaiian or Other Pacific Islander: a person that has origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.	
	<input type="checkbox"/>	American Indian or Alaska Native: a person that has origins in any of the original peoples of North and South America (including Central America), and who maintains tribal affiliation or community attachment.	
	<input type="checkbox"/>	Two or More Races: a person who primarily identifies with two or more of the above race/ethnicity categories.	
What is your gender? Please mark the one box that describes the gender with which you primarily identify.	<input type="checkbox"/>	Male	
	<input checked="" type="checkbox"/>	Female	
	<input type="checkbox"/>	Non-binary	
What is your age? Please mark one box below.	<input type="checkbox"/>	Under 40	
	<input checked="" type="checkbox"/>	41-50	
	<input type="checkbox"/>	51-60	
	<input type="checkbox"/>	Over 60	
Do you have a disability? Please mark the appropriate box.	<input type="checkbox"/>	Yes, I have a disability (or previously had a disability).	
	<input checked="" type="checkbox"/>	No, I do not have (nor have I previously had) a disability.	

*Length of residence in the Tucson International Airport air service area. Pursuant to Section 2.1.1 of the TAA Bylaws, this area encompasses "the general Southern Arizona region."

QUESTIONNAIRE

Is the potential nominee a local, State, or Federal elected official or government employee? <i>If "Yes," list the agency and position/title below. Also, submit a copy of the job description along with the nomination form.</i>	YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Please summarize the nominee’s professional background and expertise. *(Additional detail may be provided in the nominee’s Letter of Interest)*

Began career as a registered nurse in 1998. Progressed into healthcare leadership including developing a helicopter flight program for patients needing specialized cardiac equipment at Sierra Vista. Served in various leadership positions in Non Profit Healthcare companies including Chief Nursing Officer, Chief Operating Officer and CEO. Focus on development of talent, quality improvement and strategic planning.

Please list activities demonstrating the nominee’s care and commitment to community service or involvement, including previous or current membership in non-profit or community organizations and the duration of service.

ORGANIZATION/INVOLVEMENT	DURATION OF SERVICE
Southern Arizona Leadership Council Board of Directors	3 years
JDRF Arizona Chapter, Board of Directors	9 years
Arizona Hospital Association Board of Directors and Public Policy Committee Chair	3 years
Intermountain Behavioral Health Services Board Member	2 years

Please describe how the nominee’s personal experience will translate into becoming a fierce advocate of TAA in local, national, and international communities. *(Additional detail may be provided in the nominee’s Letter of Interest)*

As the CEO of a large company in Southern Arizona the success of our TAA is a top priority. It is a key resource that supports economic growth and influences the overall success of the region. Accessible efficient travel is an attractor for our region and is critical to our ability to recruit and retain top talent. I welcome the opportunity to learn more about how TAA works and functions and how my experience could benefit the TAA.

QUESTIONNAIRE

Please indicate any of the TAA advisory councils which might benefit from the potential nominee's working knowledge, membership, and participation.

COUNCIL			
Audit		<input type="checkbox"/>	<input type="checkbox"/>
Corporate Governance		<input type="checkbox"/>	<input type="checkbox"/>
Finance and Risk Management		<input type="checkbox"/>	<input type="checkbox"/>
Finance and Risk Management – Environmental/Sustainability Sub Council		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nominating		<input type="checkbox"/>	<input type="checkbox"/>

Provide a brief explanation of how the TAA will benefit from their participation on the council(s) indicated.
(Additional detail may be provided in the nominee's Letter of Interest)

My areas of expertise include talent management, Quality Improvement (including safet NIMS Incident Command), strategic planning and operational finance. I believe through advocacy and participation I could offer input and guidance when appropriate/needed.

References

	NAME	E-MAIL ADDRESS	PHONE NO.
1.	Judy Rich	[REDACTED]	[REDACTED]
2.	Julia Strange	julia.strange@tmcaz.com	[REDACTED]
3.	David Cohen	dcohen@beachfleischman.com	[REDACTED]

Nominated By:

TAA MEMBER (NAME)	SIGNATURE	DATE
Keri Silvyn		

Due Date: October 1, 2023 by 11:59 p.m.

Email to:

bjones@flytucson.com

Mail to:

Tucson Airport Authority
 Attn: TAA Clerk
 7250 S. Tucson Blvd., Ste. 300
 Tucson, AZ 85756

A **complete** nomination packet must include the following:

- **New Member Nomination Form** (Signed and dated by a current Active Member or Emeritus Member)
- **Statement of Interest Letter**
- **Resume**
- **Biographical Information** (e.g., company profile, website, or LinkedIn profile)
- **Executed Disclosure Statement**



TUCSON MEDICAL CENTER

5301 E. Grant Road
Tucson, Arizona 85712

Maureen "Mimi" Coomler
5301 E Grant Road
Tucson, AZ 85712
mimi.coomler@tmcaz.com
520-324-4450

July 1, 2024

Tucson Airport Authority
7250 South Tucson Boulevard, Suite 300
Tucson, AZ 85756

Dear Members of the Tucson Airport Authority,

I am writing to express my sincere interest in becoming a member of the Tucson Airport Authority (TAA), recognizing the pivotal role your organization plays in the economic development of our region. As a seasoned healthcare executive with a career spanning over two decades, I have consistently championed organizational success and community impact.

Since beginning my career as a nurse in 1998, I have progressed through various leadership roles, including Chief Nursing Officer, Chief Operating Officer, and presently as Chief Executive Officer of a prominent healthcare organization. In each capacity, I have prioritized strategic initiatives that enhance operational efficiency, elevate patient care standards, and contribute to overall organizational growth.

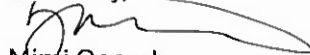
I firmly believe that the success of TAA directly correlates with the economic vitality of Tucson and its surrounding areas. The Tucson International Airport serves as a crucial gateway for business travel, tourism, and cargo transportation, fostering job creation, attracting investments, and supporting local businesses. As CEO of a large company, I understand firsthand the importance of efficient infrastructure and strategic planning in driving economic prosperity.

My professional interests align closely with TAA's mission, particularly in talent management, quality improvement, strategic planning, and operational finance. I am passionate about leveraging my experience and expertise to contribute to TAA's objectives, collaborating with fellow members to ensure the continued success and growth of our regional airport.

I am eager to bring my strategic insights, leadership expertise, and commitment to excellence to the Tucson Airport Authority. I look forward to the opportunity to actively engage with TAA's initiatives, contribute meaningfully to discussions, and support endeavors that enhance our community's economic development.

Thank you for considering my application for membership. I am enthusiastic about the prospect of joining the Tucson Airport Authority and contributing to its ongoing success in advancing our region's economic goals.

Sincerely,


Mimi Coomler

EXECUTIVE SUMMARY

An accomplished executive with expertise in nursing, patient safety, creating partnerships, strategic planning, regulatory compliance, and fundraising. Solid track record of, building teams, successful quality improvement, financial performance, and physician relationship development. Adept at translating vision into action to achieve strategic and operational goals.

CORE COMPETENCIES

- **Leadership** – Accountable and responsible. Communicates openly and clearly. Sets and maintains high standards for self and expects the same from others. Mentors and coaches with respect and encouragement.
- **Strategic Planning** – Proficient in high level strategic planning process and tactical implementation of strategies. Executes innovative business arrangements through building relationship-based partnerships.
- **Driving Quality** – Extensive experience in improving patient safety and patient experience.
- **Operations** – Accomplished in budgeting, employee relations, productivity management, regulatory compliance, public presentation and project management.

PROFESSIONAL EXPERIENCE

TUCSON MEDICAL CENTER- TUCSON, AZ

CHIEF EXECUTIVE OFFICER 10/2021-PRESENT
SENIOR VICE PRESIDENT, CHIEF OPERATING OFFICER 1/2019-10/2021
VICE PRESIDENT, CHIEF NURSING OFFICER 1/2017-1/2019

Leads 600 bed tertiary referral center with over 4,000 employees, 850M annual revenue serving all of southern Arizona. Responsible for care delivery, quality of care, financial results and mission delivery.

SELECTED ACCOMPLISHMENTS:

- Navigated post covid workforce and operating margin challenges to reverse losses to realize an above benchmark performance
- Emergency Department Expansion resulting in significantly improved throughput and reduction in wait times
- Over 40% reduction in Hospital Acquired infections and Hospital Acquired Conditions
- Above National Benchmark Nurse retention rates.

CHILDREN'S CLINICS FOR REHABILITATIVE SERVICES – TUCSON, AZ

CHIEF EXECUTIVE OFFICER 5/2015-1/2017
CHIEF OPERATIONS OFFICER 7/2012-5/2015

Executive for Unique Non-profit Pediatric Clinic that serves as a medical home for children with complex healthcare needs. The Clinic sees 30,000 visits per year, and contracts with 65 different pediatric sub-specialists, employs primary care pediatricians, offers a full line of rehabilitative services, and integrated behavioral health services. The Clinic Serves as Southern Arizona's Multi-Specialty Interdisciplinary Clinic for the Children's Rehabilitative Services Program (CRS).

- Responsible for driving revenue and stewardship of resources to ensure program sustainability.
- Develop and maintain relationships with pediatric providers to partner in the development of a safe and enjoyable practice environment.
- Provide strategic leadership by working with the board and management to create long- term vision and goals.

TUCSON MEDICAL CENTER – TUCSON, AZ

2006 – 2012

DIRECTOR OF PATIENT CARE SERVICES

Operational leader for Women's Services and TMC for Children, a NACHRI affiliated institution that includes a level 3 NICU and the second largest delivery center in the state of Arizona. TMC for Children is part of a 604-bed acute care hospital. Directly responsible for 500 FTE's and 50 million dollar operating budget. Strong collaboration with pediatric hospitalists, surgeons, intensivists, specialists, and community doctors to build pediatric programming and ensure seamless coordination of care.

MAUREEN WARWICK COOMLER

SELECTED ACCOMPLISHMENTS:

- Planned and opened a 44-bed all private, state-of-the-art pediatric wing.
- Chaired Hospital's strategic growth team during hospital turnaround period. Fostered the development of innovative solutions to drive volume which resulted in 400 increased admissions in one year.
- Formerly a leader of key medical and surgical service lines including cardiology, orthopedics, outpatient and neurosciences.
- Led Neuroscience Service Line to achieve Primary Stroke Certification from the Healthcare Facilities Accreditation Program and Gold Plus rating from the American Heart Association.
- Led performance improvement teams that resulted in above-benchmark results specifically; MRSA, falls, central line infections, medication error reduction through bar code medication administration, and core measure compliance improvement.

SIERRA VISTA REGIONAL HEALTH CENTER – SIERRA VISTA, AZ

2001 – 2006

MANAGER OF CRITICAL CARE

Operational leader of Cardiac Cath Lab, Pre Procedural Unit, Step Down and Intensive Care Unit in a 120 bed rural hospital. Developed a primary percutaneous coronary intervention center for the community of Southern Arizona.

SELECTED ACCOMPLISHMENTS:

- Successfully renegotiated cardiology contracts and partnered with physicians to reduce supply expenses by 15%, an annual savings of \$200,000.
- Managed tenuous physician-hospital relationships that successfully resulted in a 17% increase of cardiac catheterizations.
- Developed nursing strategic plan that decreased turnover by 10% and saved the hospital more than \$400,000 per year.

ADDITIONAL EXPERIENCE

- Critical Care RN - University of New Mexico Hospital, Albuquerque, NM
- Patient Education Coordinator - Coleman Vision, Albuquerque, NM
- Critical Care RN- Sierra Vista Regional Health Center. Sierra Vista, AZ

EDUCATION

MASTERS OF HEALTH ADMINISTRATION

University of Phoenix – 2006, Tucson, AZ

BACHELOR OF SCIENCE IN NURSING

University of Phoenix – 2004, Tucson, AZ

ASSOCIATE OF SCIENCE IN NURSING

Clarion University of Pennsylvania – 1998, Clarion, PA

PROFESSIONAL ORGANIZATIONS AND AFFILIATIONS

Southern Arizona Leadership Council Board Member, 2021-present

Intermountain Behavioral Health Center, Board Officer, 2021-present

Public Voices Fellow- 2015-2016

Children's Action Alliance, Southern Arizona Advocacy Committee- 2014-2019

Southern Arizona Women's Foundation – 2008-2014, President 2011 & 2012

JDRF Southern Arizona Chapter – 2010-2016, Government Relations Chair 2011-2012, President 2013, 2014

Arizona Organization of Nurse Executives – 2004-2018

PROFESSIONAL AWARDS

Commitment Award Winner – 2011, American Diabetes Association

“Tucson's 40 Under 40” Winner – 2011, Arizona Daily Star

“Commitment” Award Finalist – 2010, American Diabetes Association

“Fabulous 50 Nurses” Winner – 2009, Tucson Nurse's Week Foundation

REFERENCES

Available upon request


Mimi Coomler, serves as chief executive officer for Tucson Medical Center ensuring the day-to-day operational excellence of Tucson's largest hospital and TMC Health's flagship facility, a 628-bed acute-care facility with more than 4,000 employees that opened in 1944.

In her role, Coomler's steady and forward-thinking leadership continues to build upon the culture and quality of care that has defined TMC for many years. Her operational responsibility covers the hospital, including surgery, emergency services, critical care, infection control and hospice. She has focused expertise in creating partnerships, strategic planning, regulatory compliance and team building.

Her return to TMC in 2017 as chief operating officer was a homecoming of sorts as Coomler had previously served as the director of patient care services for TMC for Women and TMC for Children from 2006-12. In between, she served as the chief executive officer of Children's Clinics for Rehabilitative Services, a nonprofit multi-specialty clinic that serves as a medical home for children with complex healthcare needs.

With more than 20 years as a registered nurse, she is passionate about improving health throughout Southern Arizona. Children with special health care needs became an area of focus for her after her young son was diagnosed with Type 1 diabetes. Coomler is past president of the Southern Arizona Women's Foundation and former board chair of the local chapter of the Juvenile Diabetes Research Fund.

Member/Board of Directors Annual Disclosure Statement
(Adopted August 7, 2012)

Name: Mimi Coomler	
<p>In an effort to avoid any appearance of a lack of integrity and transparency in Tucson Airport Authority's decision-making processes, TAA has adopted a Conflict of Interest Policy applicable to all TAA members. In addition, members of the TAA Board of Directors are required to submit an annual disclosure statement to disclose (i) any personal or financial interests that have a reasonable likelihood to create, or to appear to create, a conflict of interest with TAA, and (ii) any current business relationships involving TAA.</p>	
I have the following personal or financial interests to disclose in accordance with the Policy:	
N/A	
In addition, I currently have the following business, contractual or other financial relations with the TAA:	
N/A	
<p>I have read and agree to comply with the Tucson Airport Authority Conflict of Interest Policy. I have disclosed on the attached form all potential conflicts and relevant business relationships involving TAA of which I am aware, if any. I will promptly report any changes that may create or appear to create a conflict of interest with TAA.</p>	
SIGNATURE	DATE
	September 10, 2024

TINA DORSEY

Vice President, Commercial Banking

JPMorgan Chase & Co.

(Nominated by Carol Stewart)

*An Active or Emeritus Member TAA Member must complete and submit this nomination form in collaboration with the potential nominee. The nomination form and additional requested documentation must be received by the TAA Clerk **no later than 11:59 p.m. on October 1, 2023.***

GENERAL INFORMATION				
Name: Tina Dorsey		Length of residency*: 37 years		
Home Address: [REDACTED]				
E-mail Address: [REDACTED]				
Home Phone No.:		Mobile Phone No.: [REDACTED]		
PROFESSIONAL INFORMATION				
Company: JPMorgan Chase & Co		Profession/Industry: Banking		
Position/Title: VP, Commercial Banking				
Work Address: 3033 E Broadway Blvd 85716				
Work Phone No.: 520-247-3809		Work E-mail Address: tina.dorsey@chase.com		
DEMOGRAPHIC INFORMATION (Optional)				
What is your race/ethnicity? Please mark the one box that describes the race/ethnicity with which you primarily identify.	<input type="checkbox"/>	Hispanic or Latino: a person of Cuban, Mexican, Chicano, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race.		
	<input checked="" type="checkbox"/>	White: a person that has origins in any of the original peoples of Europe, the Middle East, or North Africa.		
	<input type="checkbox"/>	Black or African American: a person that has origins in any of the Black racial groups of Africa.		
	<input type="checkbox"/>	Asian: a person that has origins in any of the original peoples of East Asia, Southeast Asia, or the Indian subcontinent including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam.		
	<input type="checkbox"/>	Native Hawaiian or Other Pacific Islander: a person that has origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.		
	<input type="checkbox"/>	American Indian or Alaska Native: a person that has origins in any of the original peoples of North and South America (including Central America), and who maintains tribal affiliation or community attachment.		
	<input type="checkbox"/>	Two or More Races: a person who primarily identifies with two or more of the above race/ethnicity categories.		
What is your gender? Please mark the one box that describes the gender with which you primarily identify.	<input type="checkbox"/>	Male	What is your age? Please mark one box below.	
	<input checked="" type="checkbox"/>	Female		<input checked="" type="checkbox"/> Under 40
	<input type="checkbox"/>	Non-binary		<input type="checkbox"/> 41-50
			<input type="checkbox"/> 51-60	
			<input type="checkbox"/> Over 60	
Do you have a disability? Please mark the appropriate box.	<input type="checkbox"/>	Yes, I have a disability (or previously had a disability).		
	<input checked="" type="checkbox"/>	No, I do not have (nor have I previously had) a disability.		

*Length of residence in the Tucson International Airport air service area. Pursuant to Section 2.1.1 of the TAA Bylaws, this area encompasses "the general Southern Arizona region."

QUESTIONNAIRE

Is the potential nominee a local, State, or Federal elected official or government employee? <i>If "Yes," list the agency and position/title below. Also, submit a copy of the job description along with the nomination form.</i>	YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Please summarize the nominee's professional background and expertise. *(Additional detail may be provided in the nominee's Letter of Interest)*

My professional background is in banking and finance, having spent the last 16 years in this industry in a variety of roles at JPMorgan Chase and another bank. My expertise spans depository, treasury, and lending solutions for commercial companies. Client retention and business development are also key components to my professional expertise.

Please list activities demonstrating the nominee's care and commitment to community service or involvement, including previous or current membership in non-profit or community organizations and the duration of service.

ORGANIZATION/INVOLVEMENT	DURATION OF SERVICE
*TMM Family Services, current Board Member *Flinn Brown Fellow	2024 - present 2024
*Commercial Real Estate Women (CREW) Network, Board Member, former Committee Chair, current Treasurer	2020 - present
*Tanque Verde Fastpitch, youth coach, former Board Member, former Secretary	2018 - present
*Tucson Values Teachers, Board Member, former Treasurer, current VP	2018 - present

Please describe how the nominee's personal experience will translate into becoming a fierce advocate of TAA in local, national, and international communities. *(Additional detail may be provided in the nominee's Letter of Interest)*

I grew up in Tucson and consider myself a native. I have a vested interest in the economic development of our region and consider TAA to have a significant impact on our continued development and attraction of companies and workforce to our the greater Tucson area.

QUESTIONNAIRE

Please indicate any of the TAA advisory councils which might benefit from the potential nominee's working knowledge, membership, and participation.

COUNCIL		
Audit	<input type="checkbox"/>	<input type="checkbox"/>
Corporate Governance	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Finance and Risk Management	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Finance and Risk Management – Environmental/Sustainability Sub Council	<input type="checkbox"/>	<input type="checkbox"/>
Nominating	<input type="checkbox"/>	<input type="checkbox"/>

Provide a brief explanation of how the TAA will benefit from their participation on the council(s) indicated.
(Additional detail may be provided in the nominee's Letter of Interest)

Background in finance and risk management across for-profit and not-for-profit institutions. Understanding of the importance of corporate governance in building trust with investors, stakeholders and the broader community.

References

	NAME	E-MAIL ADDRESS	PHONE NO.
1.	Dr. Teresa Hill	thill@tucsonvaluesteachers.org	520-203-8538
2.	William McKay	william.mckay@chase.com	480-226-2880
3.	Christie Lee	clee@tmmfs.org	520-390-7000

Nominated By:

TAA MEMBER (NAME)	SIGNATURE	DATE
Carol Stewart		9/23/24

Due Date: October 1, 2023 by 11:59 p.m.

Email to:

bjones@flytucson.com


Mail to:

Tucson Airport Authority
 Attn: TAA Clerk
 7250 S. Tucson Blvd., Ste. 300
 Tucson, AZ 85756

A **complete** nomination packet must include the following:

- **New Member Nomination Form** (Signed and dated by a current Active Member or Emeritus Member)
- **Statement of Interest Letter**
- **Resume**
- **Biographical Information** (e.g., company profile, website, or LinkedIn profile)
- **Executed Disclosure Statement**

Tina Dorsey

 | tina.dorsey@chase.com
www.linkedin.com/in/tinadorsey1

August 27, 2024

Tucson Airport Authority
750 s. Tucson Blvd. Ste 300
Tucson, AZ 85756

Dear TAA Nominating Committee:

Please consider this an expression of interest in joining the Tucson Airport Authority as an Active Member. I am a (almost) Tucson native, having spent the last 37 years in this city and am an advocate for the execution of a strong airport system in our community.

I have a vested interest in the economic development of Tucson and Southern Arizona, and understand the significant impact that TAA has on our continued development, including the attraction and retention of companies and workforce to the greater Tucson area; key components in driving economic vibrancy in our city.

I consider myself an informal ambassador of our local airports, and encourage my family and network to support this vital asset by “flying local” and utilizing the incredible asset we have in our backyard to take us anywhere in the world.

Thank you for your consideration of my formal involvement in TAA. Please feel free to reach out to me with any follow up questions.

Sincerely,



Tina Dorsey

Professional Narrative

An accomplished professional with a proven track record of building high performing teams and achieving at a high level as an individual producer. Key skill sets include business development, client management, and the ability to structure and implement complex commercial lending and treasury facilities. Loyalty, integrity, work-ethic, and interpersonal skills are core traits.

Experience

July 2024 – Present | JPMorgan Chase & Co, Tucson, AZ

Commercial Banking, VP

- Prospecting and management of commercial business clients with annual revenues >\$25MM to grow and deepen book of business.
- Provide personalized financial advice and solutions to meet clients' needs.
- Analyze financial statements and business plans to assess creditworthiness.
- Use market insights to inform business strategies and client recommendations.

September 2022 – June 2024 | First Citizens Bank Tucson, AZ

Commercial Banking, VP

- Prospecting and management of commercial business clients to grow and deepen book of business.
- Recognized as top performer and invited to attend the First Citizens Bank Awards for 2023 performance, first full year in role.
- Business development through thoughtful civic, networking, and community engagement.
- Financial analysis, risk management, and credit underwriting for conventional and SBA loans.

July 2017 – September 2022 | Chase Bank Tucson, AZ

Senior Business Relationship Manager, VP

- Developed and managed a portfolio of business clients via recommendation of lending, depository, and treasury solutions.
- Conventional and SBA financing for real estate, equipment, acquisitions/expansion, lines of credit, etc.
- Collaborate with credit underwriting team in analysis of company financials to understand free cash flow, leverage, EBIDTA; determine appropriate credit structure and determine overall risk management.
- Adept in prospecting, negotiation and closing business.
- 2018 "Outstanding Performer" award recipient; 2019 "Outstanding Performer" award recipient.

September 2011 – July 2017 | Chase Bank Tucson, AZ

Business Banking Area Manager, VP

- Lead and coach team of Business Relationship Managers with clients in revenue space of \$1MM - \$25MM.
- Identify, hire, and retain top talent.
- Analysis of company financials to determine sponsorship of credit requests to underwriting team.
- Experience with both conventional and SBA lending products and risk management.
- Closely manage pipeline of new business to drive desired activities/behaviors to meet various financial metrics.
- Consistently performed highly in customer satisfaction and employee satisfaction surveys.
- Contributor in various line of business initiatives to enhance intranet sites and tools.

January 2010 – September 2011 | Chase Bank Tucson, AZ

Business Relationship Manager, AVP

- Managed portfolio of business clients to profile, make recommendations and assist with implementation of banking products/services.
- Provided credit solutions, including SBA and conventional products for CRE, equipment, working.
- Participant in Leadership Development Program; one of 25 bankers in West Region chosen for program.

April 2008 – January 2010 | Chase Bank Tucson, AZ

Personal Banker

- Worked with individuals and business clients in reaching their financial goals with bank products and services via effecting profiling and recommendation of services.

March 2005 – April 2008 | Outback Steakhouse Tucson, AZ

Manager

Education


University of Arizona Tucson, AZ

- B.A. Psychology; Minor Business Administration
- Graduated Cum Laude
- Member Phi Theta Kappa (International Honor Society)

Community Involvement

- 2018-present – **Tucson Values Teachers** – Board of Directors; Vice President 2024; Treasurer and Finance Committee Chair, 2021-2023
- 2018-present – **Tanque Verde Fast Pitch Girls' Softball** – youth softball coach, 2019-present; Secretary, Player Agent and Board of Directors 2018-2020
- 2023-present – **Southern Arizona Leadership Council** - Member
- 2020-present – **CREW Network Tucson** – Treasurer 2024; Committee Chair CREW Golf Tournament 2023, 2023; Member
- 2022-present – **CCIM Institute** – Member
- 2024 – **Southern Arizona Leadership Council** and **Tucson Young Professionals** Mentorship Cohort, participant as mentor
- 2024 - **TMM Family Services** - Board of Directors
- 2017-present – **Tucson Metro Chamber** member; Chamber Ambassador 2017-2018
- 2022-2024 – **Tucson Area Executives** – Member
- 2017-2024 – **Arizona Business Broker Association** – Member
- 2020 – **YCADA** – youth cheerleader coach
- 2013-2015 – **Ronald McDonald House of Southern Arizona** – Committee Member; Co-Chair 'Walk for Kids' event 2015
- 2012-2016 – Management sponsor for Chase Bank's local Volunteer Leadership Group, 'Chase Good Works', and active participant in events coordinated across Greater Tucson Area

Member/Board of Directors Annual Disclosure Statement
(Adopted August 7, 2012)

Name: Tina Dorsey	
<p>In an effort to avoid any appearance of a lack of integrity and transparency in Tucson Airport Authority's decision-making processes, TAA has adopted a Conflict of Interest Policy applicable to all TAA members. In addition, members of the TAA Board of Directors are required to submit an annual disclosure statement to disclose (i) any personal or financial interests that have a reasonable likelihood to create, or to appear to create, a conflict of interest with TAA, and (ii) any current business relationships involving TAA.</p>	
I have the following personal or financial interests to disclose in accordance with the Policy:	
N/A	
In addition, I currently have the following business, contractual or other financial relations with the TAA:	
N/A	
<p>I have read and agree to comply with the Tucson Airport Authority Conflict of Interest Policy. I have disclosed on the attached form all potential conflicts and relevant business relationships involving TAA of which I am aware, if any. I will promptly report any changes that may create or appear to create a conflict of interest with TAA.</p>	
SIGNATURE	DATE
	09/15/2024

LINDA MAZON GUTIERREZ

President/Majority Owner

Poravion LLC

(Nominated by Carol Stewart)

An Active or Emeritus Member TAA Member must complete and submit this nomination form in collaboration with the potential nominee. The nomination form and additional requested documentation must be received by the TAA Clerk **no later than 11:59 p.m. on October 1, 2023.**

GENERAL INFORMATION	
Name: <u>LINDA MAZON GUTIERREZ</u>	Length of residency*: _____
Home Address: _____	
E-mail Address: <u>LINDA.GUTIERREZ@PORAVIONLLC.COM</u>	
Home Phone No.: _____	Mobile Phone No.: <u>520.982.1900</u>
PROFESSIONAL INFORMATION	
Company: <u>PORAVION LLC</u>	Profession/Industry: <u>Airport Retail</u>
Position/Title: <u>MAJORITY OWNER</u>	
Work Address: _____	
Work Phone No.: <u>520.982.1900</u>	Work E-mail Address: <u>LINDA.GUTIERREZ@PORAVIONLLC.COM</u>
DEMOGRAPHIC INFORMATION (Optional)	
What is your race/ethnicity? Please mark the <u>one</u> box that describes the race/ethnicity with which you primarily identify.	<input checked="" type="checkbox"/> Hispanic or Latino: a person of Cuban, Mexican, Chicano, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race.
	<input type="checkbox"/> White: a person that has origins in any of the original peoples of Europe, the Middle East, or North Africa.
	<input type="checkbox"/> Black or African American: a person that has origins in any of the Black racial groups of Africa.
	<input type="checkbox"/> Asian: a person that has origins in any of the original peoples of East Asia, Southeast Asia, or the Indian subcontinent including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam.
	<input type="checkbox"/> Native Hawaiian or Other Pacific Islander: a person that has origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.
	<input type="checkbox"/> American Indian or Alaska Native: a person that has origins in any of the original peoples of North and South America (including Central America), and who maintains tribal affiliation or community attachment.
	<input type="checkbox"/> Two or More Races: a person who primarily identifies with two or more of the above race/ethnicity categories.
What is your gender? Please mark the one box that describes the gender with which you primarily identify.	<input type="checkbox"/> Male <input checked="" type="checkbox"/> Female <input type="checkbox"/> Non-binary
	What is your age? Please mark one box below.
	<input type="checkbox"/> Under 40 <input type="checkbox"/> 41-50 <input type="checkbox"/> 51-60 <input checked="" type="checkbox"/> Over 60
Do you have a disability? Please mark the appropriate box.	<input type="checkbox"/> Yes, I have a disability (or previously had a disability). <input checked="" type="checkbox"/> No, I do not have (nor have I previously had) a disability.

*Length of residence in the Tucson International Airport air service area. Pursuant to Section 2.1.1 of the TAA Bylaws, this area encompasses "the general Southern Arizona region."

1984 - present - 40 years

QUESTIONNAIRE

Is the potential nominee a local, State, or Federal elected official or government employee? <i>If "Yes," list the agency and position/title below. Also, submit a copy of the job description along with the nomination form.</i>	YES	NO
	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Please summarize the nominee's professional background and expertise. (Additional detail may be provided in the nominee's Letter of Interest)

- CEO of National organization 10 years
- Congressional STATE LIASON 25 years
- Airport Retail Executive since 2016
- Small Business Family Background
- Business Educational Certifications at Cornell, HARVARD, WAELER, ASU

Please list activities demonstrating the nominee's care and commitment to community service or involvement, including previous or current membership in non-profit or community organizations and the duration of service.

ORGANIZATION/INVOLVEMENT	DURATION OF SERVICE
Women Leaders Southern Arizona - WLSA (formerly WATT)	SINCE 2013
- President - 2020 - OFFICER POSITIONS - 2 years	
OLD PUEBLO Rotary Club - OFFICER 2021 - 2024	SINCE 2014
- SAL PUEBLO CATHOLIC High School Board of Directors	since 2020
- please note bio for additional service	

Please describe how the nominee's personal experience will translate into becoming a fierce advocate of TAA in local, national, and international communities. (Additional detail may be provided in the nominee's Letter of Interest)

- Small business owner and Advocate
- Keen understanding of prospects of proposed and fiscal federal regulation and legislation
- Extensive international travel
- Total fluency in Spanish language with continuing education in Italian and French.

QUESTIONNAIRE

Please indicate any of the TAA advisory councils which might benefit from the potential nominee's working knowledge, membership, and participation.

COUNCIL			
Audit			
Corporate Governance			
Finance and Risk Management			
Finance and Risk Management – Environmental/Sustainability Sub Council			
Nominating			X

Provide a brief explanation of how the TAA will benefit from their participation on the council(s) indicated.
 (Additional detail may be provided in the nominee's Letter of Interest) ✓

- Airport Retail operations since 2016
- Community Involvement including leadership positions
- Intergovernmental Relations at federal, state, & local levels
- Board governance, Adherence to Bylaws.
- Business/NonProfit Management/Leadership Certifications and Graduate Courses

References

#	NAME	E-MAIL ADDRESS	PHONE NO.
1.	Cristina Baena	cbaena@crastins.com	520.403.3254
2.	Pat P. Lopez	plopez@rllaz.com	520.792.4800
3.	Melinda Burke	melinda@tucsonburkes.com	520.271.5701

Nominated By:

TAA MEMBER (NAME)	SIGNATURE	DATE
CAROL STEWART	CStewart	08/16/24

Due Date: October 1, 2023 by 11:59 p.m.

A **complete** nomination packet must include the following:

Email to:

bjones@flytucson.com

Mail to:

Tucson Airport Authority
 Attn: TAA Clerk
 7250 S. Tucson Blvd., Ste. 300
 Tucson, AZ 85756

- **New Member Nomination Form** (Signed and dated by a current Active Member or Emeritus Member)
- **Statement of Interest Letter**
- **Resume**
- **Biographical Information** (e.g., company profile, website, or LinkedIn profile)
- **Executed Disclosure Statement**

August 16, 2024

TO WHOM IT MAY CONCERN:

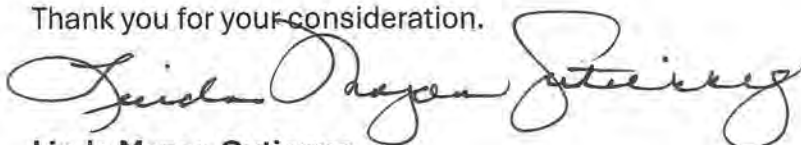
It is with a great deal of enthusiasm that I submit my letter of interest to the Tucson Airport Authority TAA Nomination Committee to serve as a member of this body. I have resided in Tucson, Arizona since 1984 with my husband, a Tucson native, and our four children. During this period of time, service to the community has been a deep personal commitment in addition to my professional career in the areas of airport retail, non-profit management and federal and state intergovernmental relations spanning 40 years.

The following areas of expertise would be beneficial to the board functions and activities:

1. **Airport Retail:** Since 2016, as the majority owner of Poravion LLC in partnership with Hudson by **AVOLTA**, oversight of the TIA airport retail concessions has been focused on the mission of *"Providing an exceptional experience to travelers worldwide."*
2. **Community Involvement:** Board service on a number of community non-profit organizations with a focus on education, small business, family wellbeing, financial literacy, business associations and leadership programs for women and girls has been the crux of these activities.
3. **Intergovernmental Relations:** 25 years of government service in federal and state relations brings to the table knowledge of congressional and elected official protocols, legislative procedures, and regulatory review.
4. **Board Governance:** strong background in board leadership roles together with knowledge and adherence to organizational bylaws.
5. **Education:** Business/Nonprofit Management and Leadership Certifications have been earned at Cornell SC Johnson College of Business, Harvard Kennedy School, University of Arizona Eller College of Management in addition to Arizona State University Graduate MBA courses.

It is important to note for the purpose of assuring that Conflict of Interest policies are adhered to, that upon being selected as a member of TAA, I would recuse myself from any discussions and votes involving concession decisions. Should the committee have any further questions, I can be contacted by email Linda.Gutierrez@poravionllc.com or mobile 520,982.1900.

Thank you for your consideration.



Linda Mazon Gutierrez

Linda Mazon Gutierrez

520.982.1900 Linda.Gutierrez@poravionllc.com <https://www.hudsongroup.com>

Profile

Linda Mazon Gutierrez is the President and majority Business Owner for **PORAVION LLC**, the local equity partner for **Hudson By Avolta** at the Tucson International Airport since 2016. Hudson is one of the largest and most recognizable travel retailers in North America. **Mission: "Enhancing the travel experience for travelers every day."**

She previously served as President CEO for the Hispanic Women’s Corporation (HWC), which hosts over 2000 Latina women and students for every year at the largest professional and leadership institute in the nation. Linda oversaw the awarding of 50 scholarships to university and high school students seeking Baccalaureate, Masters, and Doctorates in Business, Communications, Science, Engineering, Technology, Math, Arts, Medicine and Epidemiology for Latino students.

Linda also served as a high ranking government and health care official serving as the former legislative and congressional liaison for the Arizona Health Care Cost Containment System (AHCCCS) since 1982 and subsequently for the Governor’s Office as liaison on health care policy for the National Governor’s Association prior to her retirement from state service in 2007.

A native of Phoenix, Linda grew up in a small business family. Her father was the owner of Leonard’s El Paso retail store formerly located in Tolleson, Arizona. As many children often did, she worked in her father’s store providing customer service, taking inventory, store maintenance, cleaning, cashiering and translating for Spanish-speaking customers. In addition, her father was one of the original founders of the Mexican American Chamber of Commerce which has now evolved into the Arizona Hispanic Chamber of Commerce. Although the store no longer exists, the strong business values and confidence learned as a child translated into adulthood as early critical skill sets for the management of a national non-profit serving Latina women which is focused on Professional Development and Leadership with a focus on Small Business Development. Linda has maintained a solid national, statewide and local reputation as a leader in these arenas and maintained strong, strategic partnerships with corporate sponsors such as national name brands American Airlines, Coca Cola, Ford, General Motors, Blue Cross Blue Shield, State Farm, and Dillard’s.

Education

Cornell University SC Johnson Business College	Women in Leadership Certification	2022
Harvard Kennedy School of Government	NHLI Public Administration Fellowship Management Certification	1992
University of Arizona	Eller School: Public Management Certification	1995
Arizona State University	Master’s Business Administration	IP
Completed coursework toward MBA in Management, Business Law, Accounting, Economics, Finance, and Marketing. Additional hours required to be completed for fulfillment of degree.		
Arizona State University	M. A. in Education: Counseling & Psychology	1973
Arizona State University	Bachelor of Arts: Health Education	1972

Recognitions

- Arizona Business Woman of the Year: Arizona Hispanic Chamber of Commerce 2016
- Arizona Business Community Leader Award: Phoenix Business Journal 2010
- In 2007 Linda was elected Chair of the National Council of La Raza (NCLR) Affiliate Council based in Washington D.C. representing over 4 million Latinos across the United States and Puerto Rico. She was subsequently elected to the National Board of Directors in 2008 for a three-year term.
- Since 2005-2011, Linda served with the National Girl Scouts USA Board of Directors based in New York having been elected in 2008 to the executive office of Secretary of the National Board of Directors.
- Board of Directors University of Arizona Medical Health Network 2009-2012
- Linda served on the advisory board of the ASU Morrison Institute of Public Policy 2009-2011
- Linda served the Arizona Education Foundation board of directors from 2009-2011.
- In 2008 she was appointed to serve in advisory capacity as one of forty national non-profit CEOs to the Congressional Hispanic Caucus by the Chair-Honorable Nydia Velasquez (New York) on issues pertaining to Latino policy and public impact on Small Business.
- She has also served as the elected Chair of the Board of Directors to the National Hispana Leadership Institute (NHLI) for four years. Prior to being elected chair of the board of directors, she served as NHLI Harvard Alumnae Chair for two years representing NHLI alumnae during this period.
- 2004 National Foundation for Women Legislators Latina Leadership Award at the National Press Club in Washington D.C. for her work in the education of Latina women in political and public advocacy at a national level
- Tucson Hispanic Woman of the Year for 2009 by the Hispanic Professional Action Committee.
- 2013 Cox Communications Hispanic Heritage Arizona Community Leader Award
- 2011 Tucson LULAC Woman of the Year Legacy Award
- 2004 Tucson LULAC Community Service Award
- 2004 Woman of the Year Tucson Gamma Alpha Omega Business Sorority
- 2001 Mother of the Year by the Arizona Diamondbacks: Threw Opening Pitch!
- 2001 Profiles of Success Hall of Fame Award
- Outstanding Contributions for Women leading in the Twenty-First Century by Federal Women Employee's Association in 2001
- Leadership for New Millennium Award by the City of Phoenix and Maricopa County Hispanic Networks Association in 2001
- Outstanding Humanitarian Hall of Fame Award as alumna of St. Mary's High School in Phoenix, Arizona in 1998.

Linda Mazon Gutierrez is married to former Senator Jaime Gutierrez and **PORAVION LLC** business partner. They have four children Frank, Alexis, Jaime and Christopher. She is fluent in the Spanish language both spoken and written as she was raised in a bilingual home and received formal education throughout high school and college enhancing Spanish language formal communication and writing skills. She also studies Italian and French for fluency and continuing education purposes.



About Us

Hudson, one of the largest and most recognizable travel retailers in North America, is committed to enhancing the travel experience for over 300,000 travelers every day in the continental United States and Canada. Anchored by our iconic Hudson brand, we own and manage over 1,000 duty-paid and duty-free stores in 89 locations, including airports, commuter terminals, hotels and some of the most visited landmarks and tourist destinations in the world.



Hudson News



Follow Hudson



Hudson

1 Meadowlands Plaza
East Rutherford, NJ 07073
USA

Customer Service:

[Click Here](#) to continue to the Contact Us page

Hudson Nonstop powered by Amazon's Just Walk Out technology

To obtain your receipt, register in store or look it up later at <https://justwalkout.com/receipts>

CEO's Statement



Xavier Rossinyol, Chief Executive Officer

Dear all,

I am delighted to be reporting to you for the first time under our new company name, Avolta, and I am proud to share the remarkable achievements that our united team has accomplished together. 2023 was an extraordinary year. Together we successfully executed the Dufry-Autogrill business combination, realizing the early delivery of substantial synergies, and made strong improvements to our financial KPIs.

Our transformation to Avolta is a milestone in our Destination 2027 strategy, and marks the emergence of a new and united company, now a tangible reality standing as a distinctive counterpart for our business partners and a new home for all our team members around the world. We describe Avolta as being more than the sum of its parts and we see this illustrated in our daily interactions with customers, suppliers, concession partners and, particularly, when we participate in concession tenders. We are unique in our set up, we are more diversified and resilient, and our point of differentiation is appealing to the market.

A full overview of our new name, Avolta, including our identity and our values, which foster our One Company spirit, can be found in the dedicated poster at the beginning of this annual report.

2023 was an extraordinary year, in which we successfully delivered the business combination of Dufry and Autogrill.

Key focus on delivery

Following the successful completion of the Dufry-Autogrill business combination, the official name change of our company in November 2023 cued the emergence of Avolta as a fully unified company. Aligned with our traveler-centric Destination 2027 strategy, where we seek to make travelers happier by creating a holistic travel experience revolution, we are now operating as One Team and One Company, harnessing our collective expertise across travel retail and F&B, and paving the way to deliver innovative value propositions.

Introducing smart-stores and incorporating advanced digital technology with live-data-collection will enhance our intelligence thus further optimizing efficiency and profitability of commercial areas, whilst also contributing to expand online engagement with existing and potential customers. Newly designed retail and F&B concepts with a strong sense of place, flexible and changing assortments, including onsite entertainment, activations and digital gamification will provide customers with holistic and engaging experiences. The power of the newly combined entity multiplies the potential for innovation and yields benefits for travelers, concession partners and brand suppliers alike, granting access to hybrid offerings and expanded service opportunities.

Avolta is now operating as One Team, One Company, harnessing its collective expertise across travel retail and F&B.

We are already leading the transformation of travel experiences around the world. Notably, at Stockholm's Arlanda Airport (Sweden), our new Store of the Future, combines the value-rich store-in-store retail concepts with a hybrid twist. Similarly, at Milan's Malpensa Airport where we unveiled our Hudson Café with Baci, mixing travel retail with a sophisticated menu, both of these examples opened during the second half of 2023.

Delivering on our way to Destination 2027 – Full customer centricity, digital engagement and travel experience revolution.

Reporting on such a momentous year, it is only fitting that I extend my gratitude to the Avolta Board of Directors and Management Team for their unwavering support throughout the successful completion of the business combination and the establishment of our new unified entity. Sharing a common vision on our journey to implementing Avolta's Destination 2027 strategy is of paramount significance, and your dedication and collaboration are invaluable assets in achieving our goals.

Avolta – Growing more diversified and resilient than ever.

Operationally, the 2023 business year was characterized by consistent growth in demand across all regions, whether they were further along in their recovery or just beginning to reopen and experience the acceleration of regional and international travel. Both leisure and business travelers confirmed their commitment to travel and to spend, demonstrating remarkable resilience in the face of ongoing disruptions and uncertainties stemming from geopolitical and macroeconomic factors. Throughout this period, the Avolta team remained dedicated to executing with excellence and prudent cost management.

Further improvements to all major KPIs

Driven by these favorable trends and boosted by positive momentum across all its regions, Avolta's 2023 Consolidated Turnover reached CHF 12,789.5 million (2022 proforma: CHF 10,804.8 million), while CORE Turnover (excluding fuel net sales) amounted to CHF 12,534.6 million. This translates into a CORE Organic Growth of 21.6% for the

combined company against FY 2022 (proforma). New concessions (net) contributed positively with 1.4% on a proforma basis, while translational currency effects on Turnover were – 5.6%, primarily due to fluctuations in USD, EUR and GBP. CORE EBITDA also saw significant growth, reaching CHF 1,129.6 million (2022 proforma: CHF 941.4 million) resulting in a margin of 9.0%.

This impressive outcome was driven by our commercial performance, increased productivity and the timely implementation of synergies. In 2023, we achieved CHF 30 million of our total synergies target of CHF 85 million, with the remainder set to be realized in 2024, a full year earlier than we expected at the time of announcing the Dufry-Autogrill combination.

Our Equity Free Cash Flow (EFCF) was also well above projections and stood at CHF 323.0 million, as compared to CHF 305.2 million (Dufry reported FY 2022). This remarkable acceleration highlights the company's strong cash flow generation capability and effective cost control.

Relevant KPIs deliver further improvement.

We continued to reduce our Net Debt, which stood at CHF 2,696.1 million, down from CHF 2,810.7 million in 2022, meeting covenants ahead of schedule and providing comfortable headroom. As of December 31, 2023, Avolta's available liquidity amounted to CHF 2,637.9 million compared to CHF 2,343.0 million at the end of 2022 (Dufry standalone balance sheet). In the first half of 2023, Avolta used the RCF's «Accordion» feature to enhance flexibility and onboard some of Autogrill's lending banks alongside Dufry's existing providers. In this way, Avolta increased the facility by an overall CHF 648.9 million (EUR 665 million) by the end of December 2023. The same terms and conditions as the initial RCF amount applied. Our focus on deleveraging continues, as we target a leverage of 1.5–2.0x net debt/CORE EBITDA. In the event of relevant business developments or small bolton M & A projects, we allow a maximum of 2.5x, with the intention of promptly returning to target as we progress towards our strategic goals.

Further enhancing our geographical diversification, Avolta achieved particular success this year in strengthening our footprint around the world with important contract extensions and new wins. Extensions played a key role here, with the significant renewal of the vast majority of Avolta's Spanish airport operation contracts for twelve years – a highlight. Including 21 airports with 120 outlets covering around 60,000 m² of retail space, this contract represents the service of approximately 132 million travelers annually (base 2019).

The awarded commercial space, both retail and F&B, represent a 30% increase compared to the previous setup as well as a considerable expansion of sales categories. Also worth mentioning include the renewed seven-year concession contract at Belgrade to operate a total of eight duty-free shops; the seven-year extension in Kuala Lumpur International Airport (Malaysia) for F&B, and the fifteen-year extension at Harry Reid International Airport (Las Vegas, USA).

Delivering on the partnership with our concession partners – Success in contract extensions and footprint expansion.

When we look at the new contracts won, of particular interest is our strategic joint venture with Hubei Airport Group to oversee the operations of Wuhan Tianhe Airport's Terminal 2 as master concessionaire for retail, F&B, convenience and hybrid concepts, managing a total of 77 outlets. Our scale in the APAC region, particularly in the People's Republic of China, also saw Avolta entering into a new five-year contract at Chongqing Jiangbei International Airport for four duty-free stores. In North America, we were awarded a long-term duty-free contract for Boston Logan International Airport, alongside an extension for our duty-paid business. We also won long-term contracts for both retail and F&B areas at Oakland International Airport, and signed a new fifteen-year duty-paid contract at Fresno Yosemite International Airport (all located in the USA). In Latin America, Avolta signed a ten-year contract at Vitória Airport (Brazil) as well as a twenty-year contract to operate a duty-free store at the international bridge «General San Martín», the primary crossing point between Argentina and Uruguay. In the EMEA region, we achieved success by winning new retail and F&B concessions at several airports including Helsinki Airport (Finland), and Hamad International Airport in Doha (Qatar) in joint venture with Qatar Airways. Representing a selection of our developed partnerships, these examples underscore our commitment to growth and excellence across our regions, and position Avolta as a global leader in the airport concessions industry.

Planet, People and Communities – ESG Strategy fully integrated.

A cornerstone in our long-term strategy, we remain committed to enhancing our sustainability engagement as part of our ESG (Environmental, Social and Governance) activities. In 2023, we took significant strides forward through the formulation of an updated, integrated ESG strategy for the combined entity. We have redefined the scope of

our materiality matrix and adapted our four focus areas – Create Sustainable Travel Experiences, Respect Our Planet, Empower Our People and Engage Local Communities – to encompass our extended stakeholder community.

While defining the groundwork for our ongoing ESG journey, we remained committed to building on existing initiatives and broadening our activities to include the newly integrated F&B business. In this context, we made significant advancements, including the revision of the Avolta Code of Conduct and the expansion of the Diversity, Equity and Inclusion (DE & I) training programs for our team members. To ensure comprehensive coverage of our ESG efforts, we have extended the scope of our TCFD Report (Task Force on Climate-related Financial Disclosures) to cover the entirety of Avolta. We have also formulated a joint Community Engagement Strategy, designed to enhance our support for the local communities in which we operate. Finally, we updated our Avolta Supplier Code of Conduct to the new company reality and launched a recertification process that now covers 49% of our global purchasing volume. For a detailed and comprehensive overview of our ESG strategy, engagement, and the progress we have achieved in 2023 please refer to our ESG Report on pages 97 – 148.

Encouraging outlook continues

The 2023 business year closed with a buoyant travel momentum and resilient customer demand. While we acknowledge the persistent geopolitical and macro-economic challenges, we remain optimistic on the overall outlook for our business. Key indicators underpinning these assumptions include the robust willingness of travelers to explore and make purchases through our channels, with spending levels consistently exceeding prepandemic levels. As a company, Avolta plays a significant role in contributing to this positive outlook. Our resolute and well-defined travelercentric strategy is finely tuned to the current and evolving needs of the travelers, with our solid financial position further reinforcing our ability to navigate challenges and capitalize on opportunities.

TEAM MEMBERS: THANK YOU FOR DRIVING OUR SUCCESS

The shared and united spirit among our team members is a joy to observe, and I am deeply grateful to be a part of this. The sense of unity has been clearly demonstrated across our internal celebrations as we marked our transition to Avolta. To our dedicated colleagues: thank you all for your commitment and for the tireless efforts you have contributed to our company. Your perseverance, especially during this demanding period of simultaneous sales growth and business integration, more than earns the sincere respect and gratitude from the Global Executive Committee and myself. Your extraordinary motivation reflects a remarkable level of dedication that inspires us all.

To our external business partners: thank you for each contributing in your unique ways to support Avolta. Our collaboration with concession partners, brand suppliers and the financial community remains a steadfast and essential component of our continued success. On behalf of the Global Executive Committee and myself, we look forward to continuing this shared journey of partnership with you all.

Avolta is well equipped to redefine Travel Experience globally through its customer centric strategy and solid financial position.

On a more personal note, I extend my gratitude to our Chairman, Juan Carlos Torres, and the esteemed members of the Board of Directors for their trust and support in shaping Avolta's evolution.

Thanks to all key shareholders, particularly to Alessandro Benetton with Edizione and our long-term strategic investors

Finally, and with meaning, I thank our shareholders and bondholders for their enduring support, trust and contributions in propelling Avolta's mission to revolutionize the travel experience. Your partnership is invaluable as we continue to innovate and inspire this ever-evolving landscape. Our first year together as One Company has been a success, now onwards to Destination 2027.

Journey on,

A handwritten signature in black ink, appearing to be 'X. Rossinyol', with a long horizontal flourish extending to the right.

Xavier Rossinyol
Chief Executive Officer

For a glossary of financial terms and Alternative Performance Measures please see page 271 of this Annual Report.

Member/Board of Directors Annual Disclosure Statement
(Adopted August 7, 2012)

Name:	LINDA MAZON GUTIERREZ
-------	-----------------------

In an effort to avoid any appearance of a lack of integrity and transparency in Tucson Airport Authority's decision-making processes, TAA has adopted a [Conflict of Interest Policy](#) applicable to all TAA members. In addition, members of the TAA Board of Directors are required to submit an annual disclosure statement to disclose (i) any personal or financial interests that have a reasonable likelihood to create, or to appear to create, a conflict of interest with TAA, and (ii) any current business relationships involving TAA.

I have the following personal or financial interests to disclose in accordance with the Policy:

N/A

In addition, I currently have the following business, contractual or other financial relations with the TAA:

I serve as the majority owner of PERAVION LLC, which is the local equity partner of Hudson By Avolta at Tucson International Airport. This partnership consists of retail concessions at TIA. My spouse, Jaime P. Gutierrez, is the minority business owner of PERAVION LLC.

I have read and agree to comply with the Tucson Airport Authority Conflict of Interest Policy. I have disclosed on the attached form all potential conflicts and relevant business relationships involving TAA of which I am aware, if any. I will promptly report any changes that may create or appear to create a conflict of interest with TAA.

SIGNATURE	DATE
Linda Mazon Gutierrez	8.16.2024

NANCY KLUGE

President & CEO

Reid Park Zoological Society

(Nominated by Carol Stewart)



AIRPORT AUTHORITY
TUCSON INTERNATIONAL AIRPORT • EVAN AIRFIELD

NEW MEMBER NOMINATION FORM

An Active or Emeritus Member TAA Member must complete and submit this nomination form in collaboration with the potential nominee. The nomination form and additional requested documentation must be received by the TAA Clerk **no later than 11:59 p.m. on October 1, 2023.**

GENERAL INFORMATION					
Name: Nancy J. Kluge		Length of residency*: 49 years			
Home Address: [REDACTED]					
E-mail Address: [REDACTED]					
Home Phone No.:		Mobile Phone No.: [REDACTED]			
PROFESSIONAL INFORMATION					
Company: Reid Park Zoological Society		Profession/Industry: Zoo/Cultural Attraction			
Position/Title: President & CEO					
Work Address: 1030 S Randolph Way					
Work Phone No.: 520-881-4753		Work E-mail Address: nancy@reidparkzoo.org			
DEMOGRAPHIC INFORMATION (Optional)					
What is your race/ethnicity? Please mark the one box that describes the race/ethnicity with which you primarily identify.	<input type="checkbox"/>	Hispanic or Latino: a person of Cuban, Mexican, Chicano, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race.			
	<input checked="" type="checkbox"/>	White: a person that has origins in any of the original peoples of Europe, the Middle East, or North Africa.			
	<input type="checkbox"/>	Black or African American: a person that has origins in any of the Black racial groups of Africa.			
	<input type="checkbox"/>	Asian: a person that has origins in any of the original peoples of East Asia, Southeast Asia, or the Indian subcontinent including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam.			
	<input type="checkbox"/>	Native Hawaiian or Other Pacific Islander: a person that has origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.			
	<input type="checkbox"/>	American Indian or Alaska Native: a person that has origins in any of the original peoples of North and South America (including Central America), and who maintains tribal affiliation or community attachment.			
	<input type="checkbox"/>	Two or More Races: a person who primarily identifies with two or more of the above race/ethnicity categories.			
What is your gender? Please mark the one box that describes the gender with which you primarily identify.	<input type="checkbox"/>	Male	What is your age? Please mark one box below.	<input type="checkbox"/>	Under 40
	<input checked="" type="checkbox"/>	Female		<input type="checkbox"/>	41-50
	<input type="checkbox"/>	Non-binary		<input type="checkbox"/>	51-60
			<input checked="" type="checkbox"/>	Over 60	
Do you have a disability? Please mark the appropriate box.	<input type="checkbox"/>	Yes, I have a disability (or previously had a disability).			
	<input checked="" type="checkbox"/>	No, I do not have (nor have I previously had) a disability.			

*Length of residence in the Tucson International Airport air service area. Pursuant to Section 2.1.1 of the TAA Bylaws, this area encompasses "the general Southern Arizona region."

QUESTIONNAIRE

Is the potential nominee a local, State, or Federal elected official or government employee? <i>If "Yes," list the agency and position/title below. Also, submit a copy of the job description along with the nomination form.</i>	YES	NO
	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Please summarize the nominee's professional background and expertise. *(Additional detail may be provided in the nominee's Letter of Interest)*

Professional background is as a nonprofit executive, with expertise in finance and administration. Serves currently as President & CEO of Reid Park Zoological Society, previous experience was a Senior VP of Operations for United Way of Tucson and Sout Arizona.

Please list activities demonstrating the nominee's care and commitment to community service or involvement, including previous or current membership in non-profit or community organizations and the duration of service.

ORGANIZATION/INVOLVEMENT	DURATION OF SERVICE
Visit Tucson, board member, previously serving as treasurer, vice chair and chair of the board.	8 years
Southern Arizona Cultural Leaders Consortium, member, previously served as secretary and chair	15 years
Planned Giving Roundtable of Southern Arizona, member, previously served as board treasurer, vice chair and chair	12 years
United Way of Tucson and Southern Arizona, Audit and Ethics Committee member	13 years

Please describe how the nominee's personal experience will translate into becoming a fierce advocate of TAA in local, national, and international communities. *(Additional detail may be provided in the nominee's Letter of Interest)*

Nancy's experience as a CEO in the cultural attractions area as well as a community member and member of civic organizations has underlined the importance of a strong economy to the quality of life in Tucson and southern Arizona. Having a strong airport strengthens tourism and economic development as an important factor in businesses locating in Tucson. These key areas can drive economic growth and help our community grow and thrive, giving opportunities to all of our community members.

QUESTIONNAIRE

Please indicate any of the TAA advisory councils which might benefit from the potential nominee’s working knowledge, membership, and participation.

COUNCIL		
Audit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Corporate Governance	<input type="checkbox"/>	<input type="checkbox"/>
Finance and Risk Management	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Finance and Risk Management – Environmental/Sustainability Sub Council	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nominating	<input type="checkbox"/>	<input type="checkbox"/>

Provide a brief explanation of how the TAA will benefit from their participation on the council(s) indicated.
(Additional detail may be provided in the nominee’s Letter of Interest)

Background in nonprofit finance as a former CFO and as a CEO responsible for an organization with diverse funding sources can bring value to the finance areas.

References

	NAME	E-MAIL ADDRESS	PHONE NO.
1.	Lisa Lovallo	lisa.lovally@cox.com	
2.	Rob Elias	resident@tucsonhispaniccham	
3.	Tony Penn	tpenn@unitedwaytucson.org	

Nominated By:

TAA MEMBER (NAME)	SIGNATURE	DATE
Carol Stewart	<u><i>Carol Stewart</i></u> <small>Carol Stewart (Aug 15, 2024 16:23 PDT)</small>	August 15, 2024

Due Date: October 1, 2023 by 11:59 p.m.

Email to:

bjones@flytucson.com

Mail to:

Tucson Airport Authority
 Attn: TAA Clerk
 7250 S. Tucson Blvd., Ste. 300
 Tucson, AZ 85756

A **complete** nomination packet must include the following:

- **New Member Nomination Form** (Signed and dated by a current Active Member or Emeritus Member)
- **Statement of Interest Letter**
- **Resume**
- **Biographical Information** (e.g., company profile, website, or LinkedIn profile)
- **Executed Disclosure Statement**



President & CEO
Nancy J. Kluge

2024-2025 OFFICERS

Chair
Chad Driedger

Vice Chair
Daniela Siqueiros

Secretary
Kathy Alexander

Treasurer
Matt Bingham

Past Chair
Catherine Hutchens

2024-2025 DIRECTORS

Mica Bane
Susan Beesemyer
James Berghs
Nate Clark
Dallas Dukes
Neal Eckel
Robert Elias
Michael Halle
Sheldon King
Steve Larsen
Jason Lazarow
Lesah Sesma-Gay
Emily Schaefer
Dr. Kathryn Stoner
Richard White

Emeritus Directors

Dr. George Ball
Michael Hannley
Lisa Lovallo
Denice Shepherd
Donna Warfield
Jim Zarling
Terri Zarling

FOUNDATION BOARD

2024-2025 OFFICERS

Chair
Steve Larsen

Vice Chair
Jason Lazarow

Secretary
Nate Clark

Treasurer
Patricia O'Callaghan

Past Chair
Mica Bane

2024-2025 DIRECTORS

James Berghs
Dr. Shane Burgess
Chad Driedger
Michael Halle
Michael Hannley
Sheldon King
Travis Tufts

August 5, 2024

Carol Stewart
Vice President, University of Arizona, Tech Parks Arizona
CEO, UA Tech Parks & President, UA Center for Innovation
9070 S Rita Rd
Tucson, AZ 85747

Dear Carol,

Thank you for bringing me forward for involvement in Tucson Airport Authority, I am honored to be considered. This letter is to express my interest in membership. During my service on Visit Tucson's board, I have learned how important the Airport is to Tucson, economically, for tourism and for quality of life for our community members to be able to easily travel from Tucson.

I grew up in Tucson and have stayed because I truly love our community: the culture, the people, the beautiful outdoors and wildlife - and of course, the great weather. I attended the University of Arizona where I majored in accounting and management information systems.

It has been an honor to be a leader of Tucson's Reid Park Zoo for the last 15 years and to see it grow and thrive with the support of our community and the leadership of our board and staff. Watching a child get so excited to see one of our amazing animals in person fills my heart every time.

My time at United Way of Tucson and Southern Arizona, where I served as Senior VP for Operations, taught me the value of community engagement and the importance of volunteerism. I have stayed involved with them as a member of Women Leading United, Tocqueville Society, and their Audit and Ethics Committee because of the important role they serve to bring the community together to create positive change.

I have been involved with the Southern Arizona Cultural Leaders Consortium since I started at the Zoo, serving as chair in the past, as we collaborate together and advocate for arts and culture in southern Arizona. I am a member of Women Leaders of Southern Arizona and Charter 100 and am active in the Tucson Metro Chamber and Tucson Hispanic Chamber. I just finished a second term as board chair for Visit Tucson where I have served on the board for the past 8 years.

Tucson International Airport is an important part of Tucson. It means a lot to our economy and our jobs to have an easy way for travelers, whether for leisure or business, to come here and have a good Tucson welcome. It means a lot to potential new businesses to be able to easily get to their home office through Tucson. I am a fan of flying through Tucson and would enjoy learning how I can be more of an advocate.

Thank you for your consideration.

Sincerely,

Nancy J. Kluge
President & CEO
Reid Park Zoological Society

www.ReidParkZoo.org

Reid Park Zoological Society

Office 520-881-4753 | Fax 520-881-1450

1030 South Randolph Way | Tucson, Arizona 85716-5835

ACCREDITED BY THE
**ASSOCIATION
OF ZOOS &
AQUARIUMS**



Nancy J. Kluge



SUMMARY

Seasoned nonprofit executive with successful track record in fundraising, financial management, and leadership development with staff and volunteers.

EXPERIENCE

Reid Park Zoological Society, Tucson, AZ - *President and CEO*

July 2009 - Present

- As the Chief Executive Officer, I lead the organization in strategic planning and developing the tactics to achieve the strategic priorities set for a Zoo with annual revenue of approximately \$12 million. Key accomplishments include construction and opening of veterinary hospital, elephant exhibit, front entry, World of Play and others. Successfully expanded contract with City of Tucson to manage zoo operations, started endowment and reserve funds and established Reid Park Zoo Foundation.
- Responsible for ensuring fundraising goals are set and developing relationships with key donors. With the team, we have received five gifts of \$1 million or more including two gifts of \$5 million or more during my tenure.
- Build relationships in the community with all constituents including volunteers, members, donors, corporate partners, elected officials, government partners, media, and vendors. These relationships have enabled the Zoological Society to put a measure on the ballot in 2017, winning an election to provide the Zoo with public support through a sales tax to make improvements to facilities, animal well-being, and conservation education.
- Ensure the right staff are in the right positions for the organization, lead and motivate staff while ensuring that best practices and legal compliance for human resources are followed. I am very proud of the team I have developed and I particularly enjoy leading staff to develop and achieve their professional goals.
- Provide staff support for the Board of Directors to assist them in setting meaningful agendas for productive meetings, assure timelines and processes are in place to meet strategic goals set as well as compliance with bylaws and requirements.

United Way of Tucson and Southern Arizona, Tucson, AZ

CFO and Senior VP Operations, 2006-2009

Chief Financial Officer 2002-2006

VP Finance, 1999-2002

Controller 1996-1999

Accountant 1993-1996

- As Senior VP Operations, led areas of fundraising, finance, facilities, and information technology for a United Way with total annual revenue of approximately \$13 million.
- Acted as COO for United Way Capital Corporation, a support corporation which held buildings rented to nonprofits aligned with United Way's mission.
- Provided staff support for the Campaign Cabinet, Finance Committee, Audit Committee, and Capital Corporation Board of Directors.
- Developed and implemented program for donor advised funds, with approximately \$1 million annually in revenue.
- Oversaw budget, audit, and compliance reporting for grants including federal grants through the State of Arizona of approximately \$800,000.

EDUCATION

University of Arizona, Tucson, AZ - *Bachelor of Science in Business Administration with Double Major in Accounting and Management Information Systems*

COMMUNITY INVOLVEMENT AND AWARDS

Visit Tucson (Convention and Visitors Bureau) – Immediate Past Chair

Southern Arizona Cultural Leaders Consortium, Former Chair

Planned Giving Roundtable, Board Member

United Way of Tucson and Southern Arizona - Audit and Ethics Committee

Women Leading the Region, Biz Tucson, 2024

Pima County Back to Business Task Force, Attractions representative 2020

Honorary Member Beta Gamma Sigma, University of Arizona 2016

Community Service Award, League of United Latin American Citizens, 2016

Co-Chair, Yes on Pima County Bonds, 2015

Ordinary Women Doing Extraordinary Things - University of Arizona Eller College 2012

Member/Board of Directors Annual Disclosure Statement
(Adopted August 7, 2012)

Name:	Nancy Kluge
--------------	-------------

In an effort to avoid any appearance of a lack of integrity and transparency in Tucson Airport Authority's decision-making processes, TAA has adopted a [Conflict of Interest Policy](#) applicable to all TAA members. In addition, members of the TAA Board of Directors are required to submit an annual disclosure statement to disclose (i) any personal or financial interests that have a reasonable likelihood to create, or to appear to create, a conflict of interest with TAA, and (ii) any current business relationships involving TAA.

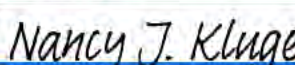
I have the following personal or financial interests to disclose in accordance with the Policy:

With regards to item 4c, charitable/volunteer work, I would like to disclose that Reid Park Zoological Society has in the past applied for donations of tickets from airlines for our auction. Our development team works with corporate community relations offices and not locally in making those requests. I am not personally involved in making those requests and would not ask TAA or any employees to be involved in those requests and would not use my role to influence any decision.

In addition, I currently have the following business, contractual or other financial relations with the TAA:

None

I have read and agree to comply with the Tucson Airport Authority Conflict of Interest Policy. I have disclosed on the attached form all potential conflicts and relevant business relationships involving TAA of which I am aware, if any. I will promptly report any changes that may create or appear to create a conflict of interest with TAA.

SIGNATURE	DATE
 <small>Nancy J. Kluge (Aug 19, 2024 14:07 PDT)</small>	August 19, 2024



Director Nominations | 2024

VANCE FALBAUM

Nomination for a second three-year
term

Term 1

January 24, 2022 to January 26, 2025

Term 2*

January, 27, 2025 to January 23, 2028

*If elected by the Membership during the Annual Meeting on January 27, 2025.

DIRECTOR INTEREST FORM

Please explain how the TAA will benefit from your service on the Board of Directors.

I have enjoyed serving on the Board the past three years and hope my participation has been of value. I look forward to extending my term so that I may continue in whatever capacity the organization feels I can be of the most service.

SIGNATURE	DATE
<i>Vance L Falbaum</i>	9/9/2024

Member/Board of Directors Annual Disclosure Statement
(Adopted August 7, 2012)

Name: Vance L. Falbaum	
<p>In an effort to avoid any appearance of a lack of integrity and transparency in Tucson Airport Authority's decision-making processes, TAA has adopted a Conflict of Interest Policy applicable to all TAA members. In addition, members of the TAA Board of Directors are required to submit an annual disclosure statement to disclose (i) any personal or financial interests that have a reasonable likelihood to create, or to appear to create, a conflict of interest with TAA, and (ii) any current business relationships involving TAA.</p>	
I have the following personal or financial interests to disclose in accordance with the Policy:	
None	
In addition, I currently have the following business, contractual or other financial relations with the TAA:	
None	
<p>I have read and agree to comply with the Tucson Airport Authority Conflict of Interest Policy. I have disclosed on the attached form all potential conflicts and relevant business relationships involving TAA of which I am aware, if any. I will promptly report any changes that may create or appear to create a conflict of interest with TAA.</p>	
SIGNATURE	DATE
<i>Vance L. Falbaum</i>	9/9/2024

TIM OVERTON

**Nomination for an initial three-year
term**

Term 1*

January, 27, 2025 to January 23, 2028

*If elected by the Membership during the Annual Meeting on January 27, 2025.

Active Members who wish to nominate themselves for a vacancy on the Board of Directors must complete and submit this nomination form to the TAA Clerk **no later than 11:59 p.m. on October 1, 2023.**

GENERAL INFORMATION				
Name: Tim Overton		TAA Member since (year): 2012		
Home Address: [REDACTED]				
E-mail Address: [REDACTED]				
Home Phone No.: [REDACTED]		Mobile Phone No.: [REDACTED]		
PROFESSIONAL INFORMATION				
Company: Pima Federal Credit Union		Profession/Industry: Finance/Banking		
Position/Title: Director Business Services				
Work Address: 6860 N Oracle, Ste 100				
Work Phone No.: 520-202-6069		Work E-mail Address: toverton@pimafederal.org		
DEMOGRAPHIC INFORMATION (Optional)				
What is your race/ethnicity? Please mark the one box that describes the race/ethnicity with which you primarily identify.	<input type="checkbox"/>	Hispanic or Latino: a person of Cuban, Mexican, Chicano, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race.		
	<input checked="" type="checkbox"/>	White: a person that has origins in any of the original peoples of Europe, the Middle East, or North Africa.		
	<input type="checkbox"/>	Black or African American: a person that has origins in any of the Black racial groups of Africa.		
	<input type="checkbox"/>	Asian: a person that has origins in any of the original peoples of East Asia, Southeast Asia, or the Indian subcontinent including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam.		
	<input type="checkbox"/>	Native Hawaiian or Other Pacific Islander: a person that has origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.		
	<input type="checkbox"/>	American Indian or Alaska Native: a person that has origins in any of the original peoples of North and South America (including Central America), and who maintains tribal affiliation or community attachment.		
	<input type="checkbox"/>	Two or More Races: a person who primarily identifies with two or more of the above race/ethnicity categories.		
What is your gender? Please mark the one box that describes the gender with which you primarily identify.	<input checked="" type="checkbox"/>	Male	What is your age? Please mark one box below.	
	<input type="checkbox"/>	Female		<input type="checkbox"/>
	<input type="checkbox"/>	Non-binary		<input checked="" type="checkbox"/>
			<input type="checkbox"/>	
			<input type="checkbox"/>	
			<input type="checkbox"/>	
			<input type="checkbox"/>	
Do you have a disability? Please mark the appropriate box.	<input type="checkbox"/>	Yes, I have a disability (or previously had a disability).		
	<input checked="" type="checkbox"/>	No, I do not have (nor have I previously had) a disability.		

DIRECTOR INTEREST FORM

Please explain how the TAA will benefit from your service on the Board of Directors.

The last 12 years on the Airport Authority participating on several councils including reviewing Employee Benefits, Financial Consulting Services and contractors, as well as chairing the Risk and Audit committee for the past 2 years has prepared me for serving on the Board. In addition to my experience on the Authority, I also bring over 32 years of finance and banking experience, including 8 years as the relationship manager (banker) for the Authority before joining the Authority. I bring a strong understanding of the Authority financials and the budgeting and finance processes.

In addition to my experience on the Airport Authority and my financial background I have been a Commercial/Business Banker in Southern Arizona for the past 27 years creating relationships with some of the largest businesses and the organizations that support them. I believe the success of the Tucson Airport is key to the economic growth of Southern Arizona and as a Board Member I will work to keep the Authority strong and continue to be an advocate for our airport in the community.

SIGNATURE	DATE
<i>Tim Overton</i>	9/9/2024



Supplemental Materials

TAA Membership by Profession

First Name	Last Name	Title Organization
Aviation/Aerospace - 3		
Francis	Chambers	Aviation Consultant/Director AvPORTS and Aviation Facilities Co.
Trindy	LeForge	Associate Director of Strategy and Development Raytheon
Steve	Pagnucco	Vice President of Operations Universal Avionics
Architectural - 3		
Michael	Franks	Principal Seaver Franks Architects
Angela	Gee	Architect, Founder and Principal Dean Alan Architects
Phillip	Swaim	President Swaim Associates, Ltd.
Association/Non-Profit - 1		
Amanda	Wiggins	President/CEO Marana Chamber of Commerce
Automotive - 1		
Rob	Draper	President and Dealer Principal O'Rielly Motor Co. and O'Rielly Chevrolet, Inc.
Communications - 1		
Lisa	Lovallo	Vice President and Market Manager Cox Southern Arizona
Economic Development - 3		
Lydia	Aranda	Co-Founder and Principal DiVeritas Group
Rob	Elias	President/CEO Tucson Hispanic Chamber of Commerce
Katherine	Ward	Principal GV Strategic Advisors
Education - 1		
Carol	Stewart	Vice President Tech Parks Arizona/University of Arizona
Elected Official - 2		
Herb	Kai	Manager Kai Family Entities (Marana Town Councilmember)
Lea	Márquez Peterson	Principal Márquez Peterson Group (Arizona Corporation Commissioner)

MEMBERSHIP BY PROFESSION

Finance - 8

Vance	Falbaum	Managing Director and Financial Advisor Falbaum Crowley Investment Group/RBC Wealth Management
Michael	Hannley	Founder Bank of Tucson
David	Lyons	Regional President National Bank of Arizona
Shaima	Namazifard	Vice President of Business Services Tucson Federal Credit Union
Tim	Overton	Director of Business Services Pima Federal Credit Union
John	Parker	Founding Partner 718 Partners, LLC
David	Smallhouse	Managing Partner Miramar Ventures, LLC
Taunya	Villicaña	Co-Founder/CEO Aspirational Wealth Management

Government - 3

Steven	Holmes	Deputy County Administrator Pima County
Rhonda	Piña	Deputy Director Pima County Workforce Development
Ellen	Wheeler	Retired

Healthcare - 3

Michael	Duran	Retired
Rose	Lopez	President/CEO Intermountain Centers
Judy	Rich	Retired

Hospitality - 2

Larry	Cesare	Partner/General Manager B.H.C. Hotel Management
Lesah	Sesma-Gay	General Manager Casino del Sol

Industrial/Manufacturing - 1

Gary	Kippur	President Tucson Iron and Metal
-------------	---------------	-----------------------------------

Insurance - 2

Cristina	Baena	President of Employee Benefits and Partner Crest Insurance Group
Edmund	Marquez	Owner Edmund Marquez Allstate Agency

Law - 5

David	Hameroff	Principal The Hameroff Law Firm, PC
Todd	Jackson	Partner Jackson and Oden, PC
Michael	McGrath	Partner and Board Chair Mesch, Clark and Rothschild, PC
Timothy	Medcoff	Attorney and Co-Managing Partner Farhang and Medcoff, Attorneys
Keri	Silvyn	Partner Lazarus and Silvyn, PC

MEMBERSHIP BY PROFESSION

Public Utilities - 1

Teresa	Bravo	Government Relations Representative Tucson Electric Power
---------------	--------------	-------------------------------------------------------------

Real Estate - 10

Steven	Cole	President Southwest Appraisal Associates
---------------	-------------	--------------------------------------------

Isaac	Figueroa	Director of Leasing and Sales Larsen Baker Commercial Real Estate
--------------	-----------------	---------------------------------------------------------------------

Michael	Hammond	Founder/Principal Cushman and Wakefield/PICOR Commercial Real Estates Services
----------------	----------------	----------------------------------------------------------------------------------

Brandt	Hazen	President Hazen Enterprises, Inc.
---------------	--------------	-------------------------------------

Nancy	McClure	First Vice President CBRE, Inc.
--------------	----------------	-----------------------------------

Omar	Mireles	President HSL Asset Management
-------------	----------------	----------------------------------

Shannon	Murphy	Director of Sales and Marketing/Designated Broker Diamond Ventures, Inc.
----------------	---------------	----------------------------------------------------------------------------

Stephen	Quinlan	Chairman Emeritus Long Realty Co.
----------------	----------------	-------------------------------------

Lucinda	Smedley	Publisher/Principal TREND Report/Real Estate Consulting Group
----------------	----------------	-----------------------------------------------------------------

Michael	Stilb	President/Managing Director CBRE-MAS Real Estate Services
----------------	--------------	-------------------------------------------------------------

Social Services - 2

Francine	Katz	Chief Development Officer Tucson Jewish Community Center
-----------------	-------------	------------------------------------------------------------

R. Tony	Penn	President/CEO United Way of Tucson and Southern Arizona
----------------	-------------	-----------------------------------------------------------

Technology - 4

Guillermo	Figueroa	Senior Network Implementation Program Manager Lumen Technologies
------------------	-----------------	--------------------------------------------------------------------

Karla	Morales	Vice President Arizona Technology Council
--------------	----------------	---------------------------------------------

Ricardo	Platt	Vice President, Strategic Partnerships, Sales and Business Development ED2 Corp.
----------------	--------------	------------------------------------------------------------------------------------

Calline	Sanchez	Vice President, TLS Global Logo Product Management and Strategy IBM
----------------	----------------	-----------------------------------------------------------------------

Transportation - 1

Michael	Levin	Chief Executive Officer The Port of Tucson
----------------	--------------	----------------------------------------------

Date: November 6, 2024

To: Board of Directors
From: Austin Wright, Chief Communications Officer
Re: December 2024 Air Service Development Update

Tucson International Airport (TUS) continues to grow with strong capacity gains looking forward to 2025 based on actual filed airline schedules. Of our 14 peer west coast airports, TUS had the strongest capacity growth among our peers. While growth trends are positive, these types of increases in seat capacity have the potential to result in lower load factors. The Tucson Airport Authority (TAA) marketing efforts are directly focused on ensuring we fully utilize our additional capacity.

We will likely encounter a 2-4% headwind over the next three months due to reduced immigrant air travel through TUS versus a year ago.

Sunday, October 27, 2024 was the busiest outbound day at TUS since December 22, 2023.

		YOY Change
October 2024 TUS Seat Capacity	216,207	10.6%
October 2024 Domestic Seat Capacity	86.9 million	2.2%
Nov. 2024-March 2025 TUS Seat Capacity	1,141,290	10.5%
Nov. 2024-March 2025 Domestic Seat Capacity	432.5 million	2.8%
October TSA Throughput (extrapolated total)	176,521	-1.1%
FY2024 Passengers	3,873,141	6.0%
FY2025 Passenger Forecast	4,087,926	5.5%

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE TUCSON AIRPORT AUTHORITY, INC., AUTHORIZING THE PRESIDENT/CEO OR HER DESIGNEE(S) TO COMMENCE LITIGATION AND TO TAKE ALL ACTIONS AS AUTHORIZED, ASSOCIATED WITH THE ENVIRONMENTAL LITIGATION MATTERS AS DISCUSSED AND DIRECTED IN EXECUTIVE SESSION.

WHEREAS the Board has been thoroughly briefed by the President and CEO, and the Executive Vice President and General Counsel, and outside counsel on TAA's existing and potential environmental litigation matters, potential liabilities, and opportunities; and

WHEREAS it is in the interests of the TAA to be fully prepared to protect the interests of TAA related to the environmental challenges ahead, and the Board agrees with the advice of its Executive Vice President and General Counsel to provide authorization to the TAA team to proceed with agility to protect TAA's interests.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE TUCSON AIRPORT AUTHORITY, INC., AS FOLLOWS:

1. Authority to Initiate Legal Proceedings: The Board hereby authorizes the President and CEO, Danette Bewley, and Executive Vice President and General Counsel, Chris Schmaltz, to initiate environmental legal proceedings on behalf of the Tucson Airport Authority, as was discussed and directed in the executive session dated December 4, 2024 when they deem it necessary and appropriate to protect the TAA's interests and assets.
2. Scope of Authority: This authorization includes the ability to: (1) Engage outside legal counsel as required; (2) File or defend cases in all relevant jurisdictions; (3) Enter into settlement negotiations where appropriate.
3. Budget Approval: All costs associated with legal proceedings, including but not limited to attorney fees, court costs, and settlement amounts, must be reviewed and approved by the Board, if the costs to TAA will exceed the delegated amount of \$500,000.
4. Financial Oversight: The President and CEO, and Executive Vice President and General Counsel are tasked with monitoring legal expenses to ensure they remain within the approved authorization.
5. Regular Updates: The President and CEO, and Executive Vice President and General Counsel are required to provide regular updates (at least at every regular Board meeting, in executive session as necessary) to the Board regarding the status of ongoing legal

proceedings. These updates should include developments in the cases, changes in strategy, and an overview of expenses incurred.

6. Documentation: All legal documents, correspondences, and court filings must be properly documented and archived by the Executive Vice President and General Counsel and the Legal Services Department.
7. Settlement Authority: The Board sets the following guidelines for settlements: (1) Any settlement requiring payment or financial obligations exceeding the amount discussed in executive session must receive prior approval from the Board; (2) Settlements involving significant policy changes or admissions of liability must be discussed in a full Board meeting; (3) Settlements involving a resolution of TAA’s claims involving payment to TAA must be brought to the Board of Directors for review and approval.
8. Implementation: This resolution shall take effect immediately upon its adoption and remain in force until modified or rescinded by the Board. All actions taken under the authority of this resolution prior to its passage are hereby ratified and affirmed.

PASSED AND ADOPTED by the Board of Directors of the Tucson Airport Authority, Inc., this fourth day of December, 2024.

Keri Silvyn, Chair of the Board

ATTEST:

APPROVED AS TO FORM:

Phil Swaim, Secretary

Christopher Schmaltz, Executive Vice
President and General Counsel