

Francesco Spanò - Publications

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Selected Publications with significant/major authorship contribution

Journals

1. The ATLAS Collaboration, G. Aad *et al.*, “*Measurements of top quark pair differential cross sections with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV*”, to be submitted to Eur. Phys. J. **C**
2. The ATLAS Collaboration, G. Aad *et al.*, “*Jet energy measurement with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 7$ TeV*”, submitted to Phys. Rev. Lett., [arXiv:1112.6426 [hep-ex]]
3. E. Abat *et al.*, “*A Layer correlation technique for pion energy calibration at the 2004 ATLAS Combined Beam test*”, JINST 6 P06001 (2011) [<http://dx.doi.org/10.1088/1748-0221/6/06/P06001>], [arXiv:1012.4305 [physics.ins-det]]
4. The ATLAS Collaboration, G. Aad *et al.* “*Measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s}=7$ TeV*”, Eur. Phys. J. **C 71** (2011) 1577,[arXiv:1012.1792 [hep-ex]]
5. H. Abreu *et al.*, “*Performance of the Electronic Readout of the ATLAS Liquid Argon Calorimeters*”, JINST **5** (2010) P09003, [<http://iopscience.iop.org/1748-0221/5/09/P09003>]
6. M. Aharrouche *et al.*, “*Measurement of the response of the ATLAS liquid argon barrel calorimeter to electrons at the 2004 combined test-beam*”, Nucl. Instr. Meth. **A614** (2010) 400
7. The ATLAS Collaboration, G. Aad *et al.* “*Readiness of the ATLAS Tile Calorimeter for LHC collisions*”, Eur. Phys. J. **C70**, 1193-1236 (2010). [arXiv:1007.5423 [physics.ins-det]]
8. E. Abat *et al.* “*Study of energy response and resolution of the ATLAS barrel calorimeter to hadrons of energies from 20 to 350 GeV*”, Nucl. Instr. Meth. **A621** (2010) 134 [<http://dx.doi.org/10.1016/j.nima.2010.04.054>]
9. P. Adragna *et al.*, “*Measurement of pion and proton response and longitudinal shower profiles up to 20 nuclear interaction lengths with the ATLAS Tile calorimeter*”, Nucl. Instr. Meth. **A615** (2010) 158 [<http://dx.doi.org/10.1016/j.nima.2010.01.037>]
10. The ATLAS Collaboration, G. Aad *et al.*, “*Readiness of the ATLAS Liquid Argon Calorimeter for LHC Collisions*”, Eur. Phys. J. **C70**, 723-753 (2010). [arXiv:0912.2642 [physics.ins-det]].

11. E. Abat *et al.*, “*Study of the response of the ATLAS central calorimeter to pions of energies from 3 to 9 GeV,*”, Nucl. Instrum. Meth. A **607** (2009) 372. [<http://dx.doi.org/10.1016/j.nima.2009.05.158>]
12. P. Adragna *et al.*. “*The ATLAS hadronic tile calorimeter: from construction to physics*”, Nuclear Science, IEEE Transactions on Nuclear Science, Volume 53, Issue 3, June 2006 - Page(s): 1275 - 1281 [http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=1645031]
13. The ATLAS Collaboration, G. Aad *et al.*, “*The ATLAS Experiment at the CERN Large Hadron Collider*”, JINST **3**, S08003 (2008) [<http://dx.doi.org/10.1088/1748-0221/3/08/S08003>]
14. The OPAL Collaboration, G. Abbiendi *et al.*, “*Measurement of the Mass and Width of the W boson*”, Eur. Phys. J. **C 45** (2006) 307 [[hep-ex/0508060](http://arxiv.org/abs/hep-ex/0508060)]
15. The ATLAS Collaboration, “*Higgs Boson*” in “*ATLAS Detector and Physics Performance Technical Design Report*”, CERN/LHCC99-14/15, [<http://atlas.web.cern.ch/Atlas/GROUPS/PHYSICS/TDR/access.html>]

Proceedings

1. F. Spanò, (for the ATLAS and CMS collaborations), “*Top Quark Production at the LHC,*”, Proceedings for XXXI PHYSICS IN COLLISION, Vancouver, BC Canada, August 28th - September 1st, 2011, [[arXiv:1112.3906](http://arxiv.org/abs/1112.3906) [[hep/ex](http://arxiv.org/abs/hep-ex)]]
2. F. Spanò (for the ATLAS and CMS collaborations), “*Top Physics at ATLAS and CMS.*”, Proceedings of 44th Rencontres de Moriond on QCD and High Energy Interactions, La Thuile, Valle d’Aosta, Italy, 14-21 Mar 2009, Editors: E. Aug, J. Dumarchez, B. Pietrzyk and J. Tran Thanh Van, THE GIOI Publishers (Vietnam), [[hep-ex/0906.1821](http://arxiv.org/abs/hep-ex/0906.1821)]
3. F. Spanò [ATLAS Collaboration], “*Test of the ATLAS pion calibration scheme in the ATLAS combined test beam.*”, J. Phys. Conf. Ser. **160**, 012081 (2009) [[hep-ex/0812.1465](http://arxiv.org/abs/hep-ex/0812.1465) [[physics.ins-det](http://arxiv.org/abs/physics.ins-det)]] (Proceedings of 13th International Conference on Calorimetry in High Energy Physics (CALOR08), Pavia, Italy, 26-30 May 2008, Editors: M Fraternali, G Gaudio and M Livan)
4. F. Spanò, “*Standard Model Electroweak Measurements at LEP*”, Proceedings of 41st Rencontres de Moriond - Electroweak Interactions and Unified Theories - La Thuile, Valle d’Aosta, Italy 11th - 18th March 2006, Editors: J. M. Frere, J. Tran Thanh Van, G. Unal, THE GIOI Publishers (Vietnam) [[hep-ex/0605093](http://arxiv.org/abs/hep-ex/0605093)]
5. F. Spanò, “*W mass and width measurement at LEP*” in “*Fundamental Interactions*”, Proceedings of the Nineteenth Lake Louise Winter Institute, Lake Louise, Alberta, Canada 15 - 21 February 2004, edited by A Astbury (University of Victoria, Canada), B A Campbell, F C Khanna & M G Vincter (University of Alberta, Canada), World Scientific Publishing Co. Pte. Ltd. Published in “*Lake Louise 2004, Fundamental interactions*”, 289-294. [http://dx.doi.org/10.1142/9789812701961_0045]

Official archives

1. The ATLAS Collaboration, G. Aad *et al.*, “*Determination of Top Quark Pair Production Cross-Section*”, in “*Expected Performance of the ATLAS Experiment - Detector, Trigger and Physics.*” (2009) CERN, 2009, pages 925-948, Vol.2- Standard model, top quark, B-physics, ISBN:978-92-9083-321-5, [hep-ex:0901.0512]
2. F. Spanò, “*Measurement of the mass and width of the W boson using the full data sample from the OPAL detector at LEP*”, Ph.D. Thesis, The University of Chicago (June 2004), UMI-31-36480, [<http://tinyurl.com/FSpanoPhdThesis>]

ATLAS CONF notes

1. ATLAS Collaboration, “*A Search for New High-Mass Phenomena Producing Top Quarks with the ATLAS Experiment*”, ATLAS-COM-CONF-2011-070 (2011), [<https://cdsweb.cern.ch/record/1349311/files/ATLAS-CONF-2011-070.pdf>]
2. ATLAS Collaboration, “*Background studies for top-pair production in lepton plus jets final states in $\sqrt{s}=7$ TeV ATLAS data*”, ATLAS-CONF-2010-087 (2010) [<http://cdsweb.cern.ch/record/1298967/files/ATLAS-CONF-2010-087.pdf>]
3. ATLAS Collaboration, “*Search for top pair candidate events in ATLAS at $\sqrt{s}=7$ TeV*”, ATLAS-CONF-2010-063 (2010), [<http://cdsweb.cern.ch/record/1281338/files/ATLAS-CONF-2010-063.pdf>]

ATLAS Public notes

1. B. Acharya *et al.* [ATLAS Collaboration], “*Determination of Top Quark Pair Production cross Section*”, ATL-PHYS-PUB-2009-041 (2009)
2. E. Abat *et al.* “*Response and Shower Topology of 2 to 180 GeV Pions Measured with the ATLAS Barrel Calorimeter at the CERN Testbeam and Comparison to Monte Carlo Simulations*”, ATL-CAL-PUB-2010-001, [<http://cdsweb.cern.ch/record/1263861/files/ATL-CAL-PUB-2010-001.pdf>]
3. T. Carli, P. Speckmayer, K.J. Grahn, F. Spanò, “*A Layer Correlation Technique for ATLAS Calorimetry Calibration at the 2004 ATLAS Combined Beam Test*”, ATL-CAL-PUB-2009-001 [<http://cdsweb.cern.ch/record/1120461/files/ATL-CAL-PUB-2009-001.pdf>]
4. T. Barillari *et al.*(ATLAS Collaboration) “*Local hadronic calibration*”, ATL-LARG-PUB-2009-001, (2009) [<http://cdsweb.cern.ch/record/1112035/files/ATL-LARG-PUB-2009-001.pdf>]
5. F. Spanò, “*Simulation of the full noise pattern in TileCal Front End Electronics: a phenomenological approach to coherent effects*”, ATL-TILECAL-PUB-2008-011, (2008) [<http://cdsweb.cern.ch/record/1119753/files/ATL-TILECAL-PUB-2008-011.pdf>]
6. J. Abdallah *et al.*,[ATLAS TileCal Collaboration], “*The optical instrumentation of the ATLAS Tile calorimeter*”, ATL-TILECAL-PUB-2008-005, (2008) [<http://cdsweb.cern.ch/record/1073936/files/cer-002729574.pdf>]

7. J. Abdallah *et al.*, [ATLAS TileCal Collaboration], “*Design, Construction and Installation of the ATLAS Hadronic Barrel Scintillator-Tile Calorimeter*”, ATL-TILECAL-PUB-2008-001, (2008) [<http://cdsweb.cern.ch/record/1071921/files/cer-002727517.pdf>]
8. J. Abdallah *et al.*, [ATLAS TileCal Collaboration], “*The Production and Qualification of Scintillator Tiles for the ATLAS Hadronic Calorimeter*”, ATL-TILECAL-PUB-2007-010, (2008) [<http://cdsweb.cern.ch/record/1075711/files/cer-002731189.pdf>]

ATLAS Internal Notes

1. K. Gellerstedt, F. Spanò *et al.*, “*Measurements of top quark pair differential cross sections with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV*”, ATL-COM-PHYS-2011-1356, [<https://cdsweb.cern.ch/record/1388550/files/ATL-COM-PHYS-2011-1356.pdf>]
2. S. Baker *et al.*, “*Observation of top mono-jets (high p_T top quarks reconstructed as a single jet)*”, ATL-COM-PHYS-2011-259 (2011), [<http://cdsweb.cern.ch/record/1335370/files/ATL-COM-PHYS-2011-259.pdf>]
3. M. Barisonzi *et al.*, “*A Search for $t\bar{t}$ Resonances in the Lepton Plus Jets Channel in 35 pb^{-1} of pp Collisions at $\sqrt{s}=7$ TeV*”, ATL-COM-PHYS-2011-070 (2011) [<http://cdsweb.cern.ch/record/1325347/files/ATL-COM-PHYS-2011-070.pdf>]
4. J. F. Arguin *et al.*, “*Jet selection for top physics*”, ATL-INT-PHYS-2010-134, [<http://cdsweb.cern.ch/record/1312952/files/ATL-PHYS-INT-2010-134.pdf>]
5. B. Abbot *et al.*, “*Study on reconstructed object definition and selection for top physics*”, ATL-COM-PHYS-2009-633, [<http://cdsweb.cern.ch/record/1226764/files/ATL-COM-PHYS-2009-633.pdf>]
6. L. Asquith *et al.*, “*Performance of Jet Algorithms in the ATLAS Detector*”, ATL-COM-TILECAL-2009-011, [<http://cdsweb.cern.ch/record/1226299/files/ATL-COM-PHYS-2009-630.pdf>]
7. T. Carli *et al.*, “*Response and Shower Topology of Pions with Momenta from 2 to 180 GeV Measured with the ATLAS Barrel Calorimeter at the CERN Test-beam and Comparison to Monte Carlo Simulations*”, ATL-COM-CAL-2009-004, [<http://cdsweb.cern.ch/record/1176570/files/ATL-COM-CAL-2009-004.pdf>]
8. R. Teuscher, F. Spanò “*Radiation Tests for Single Event Effects for the ATLAS Tile Calorimeter Front End Electronics*” (24th April 2001) (Chicago ATLAS Internal Note - http://hep.uchicago.edu/atlas/tilecal/rad/see_report.pdf)
9. V. Cavasinni, D. Costanzo, S. Lami, F. Spanò, “*Search for $H \rightarrow WW \rightarrow l\nu jj$ with the ATLAS Detector*”, ATLAS Internal Note ATL-PHYS-98-127 (or ATL-COM-PHYS-98-004) (12th Oct. 1998)

Full publication list

ATLAS Publications

1. The ATLAS Collaboration, G. Aad *et al.*, “*Measurements of top quark pair differential cross sections with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV*”, to be submitted to Eur. Phys. J. **C**
2. The ATLAS Collaboration, G. Aad *et al.*, “*Jet energy measurement with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 7$ TeV*”, submitted to Eur. Phys. J. **C**, [arXiv:1112.6426 [hep-ex]]
3. The ATLAS Collaboration, G. Aad *et al.*, “*Measurement of inclusive jet and dijet production in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector*”, submitted to Phys. Rev. **D**, [arXiv:1112.6297v1 [hep-ex]]
4. The ATLAS Collaboration, G. Aad *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*”, submitted to Phys. Lett. **B**, [arXiv:1112.5755 [hep-ex]]
5. The ATLAS Collaboration, G. Aad *et al.*, “*Observation of a new χ_b state in radiative transitions to $\Upsilon(1S)$ and $\Upsilon(2S)$ at ATLAS*”, submitted to Phys. Rev. Lett., [arXiv:1112.5154 [hep-ex]]
6. The ATLAS Collaboration, G. Aad *et al.*, “*Search for first generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector*”, submitted to Phys. Lett. **B**, [arXiv:1112.4828 [hep-ex]]
7. The ATLAS Collaboration, G. Aad *et al.*, “*Measurement of $D^{*\pm}$ meson production in jets from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector*”, submitted to Phys. Rev. **D**, [arXiv:1112.4432 [hep-ex]]
8. The ATLAS Collaboration, G. Aad *et al.*, “*Search for contact interactions in dilepton events from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector*”, submitted to Phys. Rev. **X**, [arXiv:1112.4462 [hep-ex]]
9. The ATLAS Collaboration, G. Aad *et al.*, “*Search for scalar bottom pair production with the ATLAS detector in pp Collisions at $\sqrt{s} = 7$ TeV*”, submitted to Phys. Rev. Lett. [arXiv:1112.3832 [hep-ex]]
10. The ATLAS Collaboration, G. Aad *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*”, submitted to Phys. Rev. Lett. [arXiv:1112.3580 [hep-ex]]
11. The ATLAS Collaboration, G. Aad *et al.*, “*Search for the Higgs boson in the $H \rightarrow WW^{(*)} \rightarrow \ell\nu_\ell\ell\nu_\ell$ decay channel in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector*”, submitted to Phys. Rev. Lett. [arXiv:1112.2577v2 [hep-ex]]
12. The ATLAS Collaboration, G. Aad *et al.*, “*Search for Extra Dimensions using diphoton events in 7 TeV proton-proton collisions with the ATLAS detector*”, submitted to Phys. Lett. **B**, [arXiv:1112.2194 [hep-ex]]

13. The ATLAS Collaboration, G. Aad *et al.*, “Measurement of the WZ production cross section and limits on anomalous triple gauge couplings in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector”, submitted to Phys. Lett. **B**, [arXiv:1111.5570 [hep-ex]]
14. The ATLAS Collaboration, G. Aad *et al.*, “Search for Diphoton Events with Large Missing Transverse Momentum in 1 fb^{-1} of 7 TeV Proton-Proton Collision Data with the ATLAS Detector”, submitted to Phys. Lett. **B**, [arXiv:1111.4116 [hep-ex]]
15. The ATLAS Collaboration, G. Aad *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”, submitted to Phys. Rev. **D**, [arXiv:1111.2690 [hep-ex]]
16. The ATLAS Collaboration, G. Aad *et al.*, “ K_S^0 and Λ production in pp interactions at $\sqrt{s} = 0.9$ and 7 TeV measured with the ATLAS detector at the LHC”, accepted by Phys. Rev. **D**, [arXiv:1111.1297 [hep-ex]]
17. The ATLAS Collaboration, G. Aad *et al.*, “Search for strong gravity signatures in same-sign dimuon final states using the ATLAS detector at the LHC”, submitted to Phys. Lett. **B**, [arXiv:1111.0080v1 [hep-ex]]
18. The ATLAS Collaboration, G. Aad *et al.*, “A measurement of the material in the ATLAS inner detector using secondary hadronic interactions”, accepted by JINST, [arXiv:1110.6191v2 [hep-ex]]
19. The ATLAS Collaboration, G. Aad *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”, submitted to Phys. Lett. **B**, [arXiv:1110.6189v1 [hep-ex]]
20. The ATLAS Collaboration, G. Aad *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”, accepted by Phys. Rev. Lett., [arXiv:1110.5016 [hep-ex]]
21. The ATLAS Collaboration, G. Aad *et al.*, “Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data”, submitted to Eur. Phys. J. **C**, [arXiv:1110.3174 [hep-ex]]
22. The ATLAS Collaboration, G. Aad *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. **C** **71** (2011) 1828, DOI:10.1140/epjc/s10052-011-1828-6, [http://www.springerlink.com/content/u91634j137861146/] and [arXiv:1110.2693 [hep-ex]]
23. The ATLAS Collaboration, G. Aad *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 **1111** (2011) 099, [arXiv:1110.2299 [hep-ex]]

24. The ATLAS Collaboration, G. Aad *et al.*, “Performance of the ATLAS Trigger System in 2010”, submitted to Eur. Phys. J. **C**, [arXiv:1110.1530 [hep-ex]]
25. The ATLAS Collaboration, G. Aad *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. **C** **71** (2011) 1846, DOI:10.1140/epjc/s10052-011-1846-4, [arXiv:1109.6833 [hep-ex]]
26. The ATLAS Collaboration, G. Aad *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”, accepted by Phys. Rev. **D**, [arXiv:1109.6606 [hep-ex]].
27. The ATLAS Collaboration, G. Aad *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”, submitted to Phys. Lett. **B**, [arXiv:1109.6572 [hep-ex]]
28. The ATLAS Collaboration, G. Aad *et al.*, “Search for the Standard Model Higgs boson in the decay channel $H \rightarrow ZZ^{(*)} \rightarrow 4l$ with the ATLAS detector”, Phys. Lett. **B** **705** (2011) 435, [http://dx.doi.org/10.1016/j.physletb.2011.10.034] and [arXiv:1109.5945[hep-ex]]
29. The ATLAS Collaboration, G. Aad *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. **C** **71** (2011) 1795, DOI: 10.1140/epjc/s10052-011-1795-y, [arXiv:1109.5816 [hep-ex]]
30. The ATLAS Collaboration, G. Aad *et al.*, “Measurement of the inclusive W + and Z/γ cross sections in the electron and muon decay channels in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector”, submitted to Phys. Rev. **D**, [arXiv:1109.5141 [hep-ex]]
31. The ATLAS Collaboration, G. Aad *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”, submitted to Phys. Rev. Lett. [arXiv:1109.4725 [hep-ex]].
32. The ATLAS Collaboration, G. Aad *et al.*, “Search for the Higgs boson in the $H \rightarrow WW \rightarrow l\nu jj$ decay channel in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector”, accepted by Phys. Rev. Lett. [arXiv:1109.3615 [hep-ex]].
33. The ATLAS Collaboration, G. Aad *et al.*, “Search for a Standard Model Higgs boson in the $H \rightarrow ZZ \rightarrow ll\nu\nu$ decay channel with the ATLAS detector”, Phys. Rev. Lett. **107** (221802) 2011, [arXiv:1109.3357 [hep-ex]].
34. The ATLAS Collaboration, G. Aad *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. **C** **71** (2011) 1809, DOI: 10.1140/epjc/s10052-011-1809-9, [arXiv:1109.3089 [hep-ex]].

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36. The ATLAS Collaboration, G. Aad *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”, accepted by Phys. Lett. **B**, [<http://dx.doi.org/10.1016/j.physletb.2011.12.04>] and [arXiv:1109.1470 [hep-ex]]
37. The ATLAS Collaboration, G. Aad *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** (2011) 295, [<http://dx.doi.org/10.1016/j.physletb.2011.11.059>] and [arXiv:1109.1403 [hep-ex]].
38. The ATLAS Collaboration, G. Aad *et al.*, “Measurements of the electron and muon inclusive cross-sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector”, submitted to Phys. Lett. **B**, [arXiv:1109.0525 [hep-ex]].
39. The ATLAS Collaboration, G. Aad *et al.*, “Search for New Physics in the Dijet Mass Distribution using 1fb^{-1} of pp Collision Data at $\sqrt{s} = 7$ TeV collected by the ATLAS Detector”, submitted to Phys. Lett. **B**, [arXiv:1108.6311 [hep-ex]]
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42. The ATLAS Collaboration, G. Aad *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”, accepted by Phys. Lett. **B**, [arXiv:1108.6018 [hep-ex]]
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44. The ATLAS Collaboration, G. Aad *et al.*, “Performance of Missing Transverse Momentum Reconstruction in Proton-Proton Collisions at 7 TeV with ATLAS”, submitted to Eur. Phys. J. **C**, [arXiv:1108.5602 [hep-ex]].
45. The ATLAS Collaboration, G. Aad *et al.*, “Search for a heavy Standard Model Higgs boson in the channel $H \rightarrow ZZ \rightarrow llqq$ using the ATLAS detector,”, accepted by Phys. Lett. **B**, [arXiv:1108.5064 [hep-ex]]

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47. The ATLAS Collaboration, G. Aad *et al.*, “*Measurement of the W to $\tau\nu$ Cross Section in pp Collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment*”, Phys. Lett. **B706** (2012) 276, [<http://dx.doi.org/10.1016/j.physletb.2011.11.057>] and [arXiv:1108.4101 [hep-ex]].
48. The ATLAS Collaboration, G. Aad *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*”, accepted by Phys. Lett. **B**, [arXiv:1108.3699 [hep-ex]].
49. The ATLAS Collaboration, G. Aad *et al.*, “*Measurement of the Z to $\tau\tau$ Cross Section with the ATLAS Detector*”, accepted by Phys. Rev. **D**, [arXiv:1108.2016 [hep-ex]].
50. The ATLAS Collaboration, G. Aad *et al.*, “*Search for dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector*”, accepted by Phys. Rev. Lett. [arXiv:1108.1582 [hep-ex]].
51. The ATLAS Collaboration, G. Aad *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** (2011) 28, [<http://dx.doi.org/10.1016/j.physletb.2011.09.093>] and [arXiv:1108.1316 [hep-ex]].
52. The ATLAS Collaboration, G. Aad *et al.*, “*Inclusive search for same-sign dilepton signatures in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector*”, JHEP, 10, (2011),107, DOI: 10.1007/JHEP10(2011)107, [arXiv:1108.0366 [hep-ex]].
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