

# William Trischuk's Publications

1000 papers, 75,134 citations, 13 papers with  $> 500$  citations,  $h$ -index = 127

April 4, 2015

1. **“Search for New Phenomena in Dijet Angular Distributions in Proton-Proton Collisions at  $\sqrt{s} = 8$  TeV Measured with the ATLAS Detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1504.00357 [hep-ex]
2. **“Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at  $\sqrt{s} = 8$  TeV”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1503.08988 [hep-ex]
3. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1503.08089 [hep-ex]
4. **“Combined Measurement of the Higgs Boson Mass in  $pp$  Collisions at  $\sqrt{s} = 7$  and 8 TeV with the ATLAS and CMS Experiments”**  
G. Aad *et al.* [ATLAS and CMS Collaborations].  
arXiv:1503.07589 [hep-ex]
5. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1503.05427 [hep-ex]
6. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1503.05425 [hep-ex]
7. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1503.05066 [hep-ex]
8. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1503.04677 [hep-ex]
9. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1503.04430 [hep-ex]
10. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1503.04233 [hep-ex]

11. **“Measurement of the forward-backward asymmetry of electron and muon pair-production in  $pp$  collisions at  $\sqrt{s} = 7$  TeV with the ATLAS detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1503.03709 [hep-ex]
12. **“Determination of spin and parity of the Higgs boson in the  $WW^* \rightarrow e\nu\mu\nu$  decay channel with the ATLAS detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1503.03643 [hep-ex]
13. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1503.03290 [hep-ex]
14. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1503.03243 [hep-ex]
15. **“Determination of the off-shell Higgs boson signal strength in the high-mass  $ZZ$  and  $WW$  final states with the ATLAS detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1503.01060 [hep-ex]
16. **“Two-particle Bose-Einstein correlations in  $pp$  collisions at  $\sqrt{s} = 0.9$  and 7 TeV measured with the ATLAS detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1502.07947 [hep-ex]
17. **“A search for high-mass resonances decaying to  $\tau^+\tau^-$  in  $pp$  collisions at  $\sqrt{s} = 8$  TeV with the ATLAS detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1502.07177 [hep-ex]
18. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1502.05923 [hep-ex]
19. **“Search for massive supersymmetric particles decaying to many jets using the ATLAS detector in  $pp$  collisions at  $\sqrt{s} = 8$  TeV”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1502.05686 [hep-ex]
20. **“Search for a CP-odd Higgs boson decaying to  $Zh$  in  $pp$  collisions at  $\sqrt{s} = 8$  TeV with the ATLAS detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1502.04478 [hep-ex]
21. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1502.01518 [hep-ex]
22. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1502.00586 [hep-ex]

23. **“Measurement of the charge asymmetry in dileptonic decays of top quark pairs in  $pp$  collisions at  $\sqrt{s} = 7$  TeV using the ATLAS detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1501.07383 [hep-ex]
24. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1501.07110 [hep-ex]
25. **“Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1501.04943 [hep-ex]
26. **“Search for pair-produced long-lived neutral particles decaying in the ATLAS hadronic calorimeter in  $pp$  collisions at  $\sqrt{s} = 8$  TeV”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1501.04020 [hep-ex]  
10.1016/j.physletb.2015.02.015  
Phys. Lett. B **743**, 15 (2015)
27. **“Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at  $\sqrt{s} = 8$  TeV with the ATLAS detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1501.03555 [hep-ex]
28. **“Search for Higgs and  $Z$  Boson Decays to  $J/\psi\gamma$  and  $\Upsilon(nS)\gamma$  with the ATLAS Detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1501.03276 [hep-ex]  
10.1103/PhysRevLett.114.121801  
Phys. Rev. Lett. **114**, no. 12, 121801 (2015)
29. **“Search for Scalar-Charm Pair Production in  $pp$  Collisions at  $\sqrt{s} = 8$  TeV with the ATLAS Detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1501.01325 [hep-ex]
30. **“Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in  $pp$  collisions at  $\sqrt{s}=8$  TeV”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1412.7086 [hep-ex]
31. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1412.6663 [hep-ex]  
10.1007/JHEP03(2015)088  
JHEP **1503**, 088 (2015)
32. **“Observation and measurements of the production of prompt and non-prompt  $J/\psi$  mesons in association with a  $Z$  boson in  $pp$  collisions at  $\sqrt{s} = 8$  TeV with the ATLAS detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1412.6428 [hep-ex]
33. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1412.4742 [hep-ex]
34. **“Centrality and rapidity dependence of inclusive jet production in  $\sqrt{s_{NN}} = 5.02$  TeV proton–lead collisions with the ATLAS detector”**

- G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1412.4092 [hep-ex]
35. **“Observation and measurement of Higgs boson decays to  $WW^*$  with the ATLAS detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1412.2641 [hep-ex]
36. **“Measurement of the transverse polarization of  $\Lambda$  and  $\bar{\Lambda}$  hyperons produced in proton-proton collisions at  $\sqrt{s} = 7$  TeV using the ATLAS detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1412.1692 [hep-ex]  
10.1103/PhysRevD.91.032004  
Phys. Rev. D **91**, no. 3, 032004 (2015)
37. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1412.0237 [hep-ex]  
10.1007/JHEP03(2015)041  
JHEP **1503**, 041 (2015)
38. **“Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at  $\sqrt{s} = 8$  TeV”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1411.6795 [hep-ex]  
10.1007/JHEP01(2015)068  
JHEP **1501**, 068 (2015)
39. **“Search for new phenomena in events with three or more charged leptons in  $pp$  collisions at  $\sqrt{s} = 8$  TeV with the ATLAS detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1411.2921 [hep-ex]
40. **“Measurements of the Nuclear Modification Factor for Jets in Pb+Pb Collisions at  $\sqrt{s_{NN}} = 2.76$  TeV with the ATLAS Detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1411.2357 [hep-ex]  
10.1103/PhysRevLett.114.072302  
Phys. Rev. Lett. **114**, no. 7, 072302 (2015)
41. **“Measurement of three-jet production cross-sections in  $pp$  collisions at 7 TeV centre-of-mass energy using the ATLAS detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1411.1855 [hep-ex]
42. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1411.1559 [hep-ex]  
10.1103/PhysRevD.91.012008  
Phys. Rev. D **91**, no. 1, 012008 (2015)
43. **“Measurement of the inclusive jet cross-section in proton-proton collisions at  $\sqrt{s} = 7$  TeV using  $4.5 \text{ fb}^{-1}$  of data with the ATLAS detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1410.8857 [hep-ex]  
10.1007/JHEP02(2015)153  
JHEP **1502**, 153 (2015)

44. **“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”**  
 G. Aad *et al.* [ATLAS Collaboration].  
 arXiv:1410.7238 [hep-ex]  
 10.1007/JHEP01(2015)049  
 JHEP **1501**, 049 (2015)
45. **“Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at  $\sqrt{s} = 8$  TeV with the ATLAS detector”**  
 G. Aad *et al.* [ATLAS Collaboration].  
 arXiv:1410.5404 [hep-ex]  
 10.1140/epjc/s10052-014-3233-4  
 Eur. Phys. J. C **75**, no. 2, 79 (2015)
46. **“Search for the  $X_b$  and other hidden-beauty states in the  $\pi^+\pi^-\Upsilon(1S)$  channel at ATLAS”**  
 G. Aad *et al.* [ATLAS Collaboration].  
 arXiv:1410.4409 [hep-ex]  
 10.1016/j.physletb.2014.11.055  
 Phys. Lett. B **740**, 199 (2015)
47. **“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”**  
 G. Aad *et al.* [ATLAS Collaboration].  
 arXiv:1410.4103 [hep-ex]  
 10.1016/j.physletb.2015.02.051  
 Phys. Lett. B **743**, 235 (2015)
48. **“Search for dark matter in events with heavy quarks and missing transverse momentum in  $pp$  collisions with the ATLAS detector”**  
 G. Aad *et al.* [ATLAS Collaboration].  
 arXiv:1410.4031 [hep-ex]  
 10.1140/epjc/s10052-015-3306-z  
 Eur. Phys. J. C **75**, no. 2, 92 (2015)
49. **“Search for  $s$ -channel single top-quark production in proton-proton collisions at  $\sqrt{s} = 8$  TeV with the ATLAS detector”**  
 G. Aad *et al.* [ATLAS Collaboration].  
 arXiv:1410.0647 [hep-ex]  
 10.1016/j.physletb.2014.11.042  
 Phys. Lett. B **740**, 118 (2015)
50. **“Measurements of the  $W$  production cross sections in association with jets with the ATLAS detector”**  
 G. Aad *et al.* [ATLAS Collaboration].  
 arXiv:1409.8639 [hep-ex]  
 10.1140/epjc/s10052-015-3262-7  
 Eur. Phys. J. C **75**, no. 2, 82 (2015)
51. **“Search for the  $b\bar{b}$  decay of the Standard Model Higgs boson in associated  $(W/Z)H$  production with the ATLAS detector”**  
 G. Aad *et al.* [ATLAS Collaboration].  
 arXiv:1409.6212 [hep-ex]  
 10.1007/JHEP01(2015)069  
 JHEP **1501**, 069 (2015)
52. **“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”**  
 G. Aad *et al.* [ATLAS Collaboration].  
 arXiv:1409.6190 [hep-ex]

10.1140/epjc/s10052-015-3261-8  
Eur. Phys. J. C **75**, no. 2, 69 (2015)

53. **“Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at  $\sqrt{s} = 8$  TeV with the ATLAS detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1409.6064 [hep-ex]  
10.1007/JHEP11(2014)056  
JHEP **1411**, 056 (2014)
54. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1409.5542 [hep-ex]  
10.1103/PhysRevD.90.112005  
Phys. Rev. D **90**, no. 11, 112005 (2014)
55. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1409.5500 [hep-ex]  
10.1007/JHEP11(2014)104  
JHEP **1411**, 104 (2014)
56. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1409.3433 [hep-ex]  
10.1140/epjc/s10052-014-3195-6  
Eur. Phys. J. C **74**, no. 12, 3195 (2014)
57. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1409.3122 [hep-ex]  
10.1016/j.physletb.2014.11.049  
Phys. Lett. B **740**, 222 (2015)
58. **“Measurement of long-range pseudorapidity correlations and azimuthal harmonics in  $\sqrt{s_{NN}} = 5.02$  TeV proton-lead collisions with the ATLAS detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1409.1792 [hep-ex]  
10.1103/PhysRevC.90.044906  
Phys. Rev. C **90**, no. 4, 044906 (2014)
59. **“Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at  $\sqrt{s} = 7$  TeV”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1409.0832 [hep-ex]
60. **“Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at  $\sqrt{s} = 8$  TeV with the ATLAS detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1409.0746 [hep-ex]  
10.1007/JHEP11(2014)088  
JHEP **1411**, 088 (2014)
61. **“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”**

- G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1408.7084 [hep-ex]  
10.1103/PhysRevD.90.112015  
Phys. Rev. D **90**, no. 11, 112015 (2014)
62. **“A measurement of the ratio of the production cross sections for  $W$  and  $Z$  bosons in association with jets with the ATLAS detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1408.6510 [hep-ex]  
10.1140/epjc/s10052-014-3168-9  
Eur. Phys. J. C **74**, no. 12, 3168 (2014)
63. **“Measurement of the total cross section from elastic scattering in pp collisions at  $\sqrt{s} = 7$  TeV with the ATLAS detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1408.5778 [hep-ex]  
10.1016/j.nuclphysb.2014.10.019  
Nucl. Phys. B **889**, 486 (2014)
64. **“Search for the lepton flavor violating decay  $Z\mu$  in pp collisions at  $\sqrt{s}$  TeV with the ATLAS detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1408.5774 [hep-ex]  
10.1103/PhysRevD.90.072010  
Phys. Rev. D **90**, no. 7, 072010 (2014)
65. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1408.5191 [hep-ex]  
10.1103/PhysRevD.91.012006  
Phys. Rev. D **91**, no. 1, 012006 (2015)
66. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1408.4674 [hep-ex]  
10.1140/epjc/s10052-014-3231-6  
Eur. Phys. J. C **75**, no. 1, 23 (2015)
67. **“Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV with the ATLAS detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1408.4342 [hep-ex]  
10.1140/epjc/s10052-014-3157-z  
Eur. Phys. J. C **74**, no. 11, 3157 (2014)
68. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1408.3226 [hep-ex]  
10.1016/j.physletb.2014.09.054  
Phys. Lett. B **738**, 234 (2014)
69. **“Performance of the ATLAS muon trigger in pp collisions at  $\sqrt{s} = 8$  TeV”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1408.3179 [hep-ex]  
10.1140/epjc/s10052-015-3325-9  
Eur. Phys. J. C **75**, no. 3, 120 (2015)

70. **“Search for  $W' \rightarrow tb \rightarrow qbb$  Decays in pp Collisions at  $\sqrt{s} = 8$  TeV with the ATLAS Detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1408.0886 [hep-ex]
71. **“Search for new resonances in  $W\gamma$  and  $Z\gamma$  final states in  $pp$  collisions at  $\sqrt{s} = 8$  TeV with the ATLAS detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1407.8150 [hep-ex]  
10.1016/j.physletb.2014.10.002  
Phys. Lett. B **738**, 428 (2014)
72. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1407.7494 [hep-ex]  
10.1007/JHEP09(2014)037  
JHEP **1409**, 037 (2014)
73. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1407.6583 [hep-ex]  
10.1103/PhysRevLett.113.171801  
Phys. Rev. Lett. **113**, no. 17, 171801 (2014)
74. **“Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in  $pp$  collisions at  $\sqrt{s} = 7$  TeV using the ATLAS detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1407.5756 [hep-ex]  
10.1140/epjc/s10052-014-3117-7  
Eur. Phys. J. C **74**, no. 11, 3117 (2014)
75. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1407.5532 [hep-ex]  
10.1007/JHEP09(2014)079  
JHEP **1409**, 79 (2014)
76. **“Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1407.5063 [hep-ex]  
10.1140/epjc/s10052-014-3071-4  
Eur. Phys. J. C **74**, no. 10, 3071 (2014)
77. **“Measurements of spin correlation in top-antitop quark events from proton-proton collisions at  $\sqrt{s} = 7$  TeV using the ATLAS detector”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1407.4314 [hep-ex]  
10.1103/PhysRevD.90.112016  
Phys. Rev. D **90**, no. 11, 112016 (2014)
78. **“Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at  $\sqrt{s} = 8$  TeV with ATLAS”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1407.4222 [hep-ex]  
10.1007/JHEP09(2014)112  
JHEP **1409**, 112 (2014)



79. **“Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1407.3935 [hep-ex]  
10.1140/epjc/s10052-014-3130-x  
Eur. Phys. J. C **74**, no. 11, 3130 (2014)
80. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1407.3643 [hep-ex]  
10.1007/JHEP10(2014)141  
JHEP **1410**, 141 (2014)
81. **“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”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1407.2410 [hep-ex]  
10.1140/epjc/s10052-014-3134-6  
Eur. Phys. J. C **74**, no. 12, 3134 (2014)
82. **“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  $\phi_s$  in ATLAS”**  
G. Aad *et al.* [ATLAS Collaboration].  
arXiv:1407.1796 [hep-ex]  
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