

Publication List

Complete list of all refereed publications in reverse chronological order.

1. A search for prompt lepton-jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **719**, 299 (2013)
2. Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at $\sqrt{s} = 7$ TeV.
G. Aad *et al.* [ATLAS Collaboration], JHEP **1301**, 116 (2013)
3. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **719**, 261 (2013)
4. Search for contact interactions and large extra dimensions in dilepton events from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. D **87**, 015010 (2013)
5. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **719**, 280 (2013)
6. A search for high-mass resonances decaying to $\tau^+\tau^-$ in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **719**, 242 (2013)
7. Search for pair production of heavy top-like quarks decaying to a high-pT W boson and a b quark in the lepton plus jets final state at $\sqrt{s} = 7$ TeV with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **718**, 1284 (2013)
8. Search for doubly-charged Higgs bosons in like-sign dilepton final states at $\sqrt{s} = 7$ TeV with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Eur. Phys. J. C **72**, 2244 (2012)
9. 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.
G. Aad *et al.* [ATLAS Collaboration], JHEP **1212**, 086 (2012)
10. Search for anomalous production of prompt like-sign lepton pairs at $\sqrt{s} = 7$ TeV with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], JHEP **1212**, 007 (2012)
11. Search for R-parity-violating supersymmetry in events with four or more leptons in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], JHEP **1212**, 124 (2012)
12. ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at $\sqrt{s} = 7$ TeV.
G. Aad *et al.* [ATLAS Collaboration], JHEP **1301**, 029 (2013)
13. 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.
G. Aad *et al.* [ATLAS Collaboration], Eur. Phys. J. C **72**, 2215 (2012)
14. Search for resonant top plus jet production in $t\bar{t}$ + jets events with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. D **86**, 091103 (2012)

15. ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at $\sqrt{s} = 7$ TeV.
G. Aad *et al.* [ATLAS Collaboration], Eur. Phys. J. C **72**, 2241 (2012)
16. Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC.
G. Aad *et al.* [ATLAS Collaboration], JHEP **1211**, 094 (2012)
17. Search for high-mass resonances decaying to dilepton final states in pp collisions at $\sqrt{s} = 7$ -TeV with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], JHEP **1211**, 138 (2012)
18. Search for diphoton events with large missing transverse momentum in 7 TeV proton-proton collision data with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **718**, 411 (2012)
19. Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at $\sqrt{s} = 7$ TeV with ATLAS.
G. Aad *et al.* [ATLAS Collaboration], JHEP **1211**, 033 (2012)
20. Further search for supersymmetry at $\sqrt{s} = 7$ TeV in final states with jets, missing transverse momentum and isolated leptons with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. D **86**, 092002 (2012)
21. 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.
G. Aad *et al.* [ATLAS Collaboration], Eur. Phys. J. C **72**, 2237 (2012)
22. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **718**, 841 (2013)
23. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **718**, 879 (2013)
24. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **718**, 860 (2013)
25. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. Lett. **109**, 211803 (2012)
26. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **719**, 220 (2013)
27. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. Lett. **109**, 211802 (2012)
28. Measurement of WZ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Eur. Phys. J. C **72**, 2173 (2012)
29. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. D **86**, 072004 (2012)

30. Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **716**, 1 (2012)
31. Combined inclusive diffractive cross sections measured with forward proton spectrometers in deep inelastic ep scattering at HERA.
F. D. Aaron *et al.* [H1 and ZEUS Collaborations], Eur. Phys. J. C **72**, 2175 (2012)
32. 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.
G. Aad *et al.* [ATLAS Collaboration], Eur. Phys. J. C **72**, 2174 (2012)
33. 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.
G. Aad *et al.* [ATLAS Collaboration], JHEP **1209**, 041 (2012)
34. Combined search for the Standard Model Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. D **86**, 032003 (2012)
35. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **718**, 369 (2012)
36. Inclusive Deep Inelastic Scattering at High Q^2 with Longitudinally Polarised Lepton Beams at HERA.
F. D. Aaron *et al.* [H1 Collaboration], JHEP **1209**, 061 (2012)
37. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **718**, 391 (2012)
38. Search for the Standard Model Higgs boson in the H to $\tau^+\tau^-$ decay mode in $\sqrt{s} = 7$ TeV pp collisions with ATLAS.
G. Aad *et al.* [ATLAS Collaboration], JHEP **1209**, 070 (2012)
39. ATLAS measurements of the properties of jets for boosted particle searches.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. D **86**, 072006 (2012)
40. Measurement of Beauty Photoproduction near Threshold using Di-electron Events with the H1 Detector at HERA.
F. D. Aaron *et al.* [H1 Collaboration], Eur. Phys. J. C **72**, 2148 (2012)
41. 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.
G. Aad *et al.* [ATLAS Collaboration], Nucl. Phys. B **864**, 341 (2012)
42. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **717**, 70 (2012)
43. Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV.
G. Aad *et al.* [ATLAS Collaboration], Eur. Phys. J. C **72**, 2211 (2012)
44. 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.
G. Aad *et al.* [ATLAS Collaboration], JHEP **1207**, 167 (2012)

45. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **716**, 62 (2012)
46. 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.
G. Aad *et al.* [ATLAS Collaboration], JHEP **1209**, 139 (2012)
47. Search for a Standard Model Higgs boson in the $H \rightarrow ZZ \rightarrow l^+l^-\nu\bar{\nu}$ decay channel using 4.7 fb^{-1} of $\sqrt{s} = 7$ TeV data with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **717**, 29 (2012)
48. Evidence for the associated production of a W boson and a top quark in ATLAS at $\sqrt{s} = 7$ TeV.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **716**, 142 (2012)
49. 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.
G. Aad *et al.* [ATLAS Collaboration], Eur. Phys. J. C **72**, 2083 (2012)
50. Measurement of the t -channel single top-quark production cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **717**, 330 (2012)
51. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **717**, 49 (2012)
52. Measurement of Beauty and Charm Photoproduction using Semi-muonic Decays in Dijet Events at HERA.
F. D. Aaron *et al.* [H1 Collaboration], Eur. Phys. J. C **72**, 2047 (2012)
53. Measurement of the W boson polarization in top quark decays with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], JHEP **1206**, 088 (2012)
54. Determination of the Integrated Luminosity at HERA using Elastic QED Compton Events.
F. D. Aaron *et al.* [H1 Collaboration], Eur. Phys. J. C **72**, 2163 (2012)
55. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **717**, 89 (2012)
56. Search for tb resonances in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. Lett. **109**, 081801 (2012)
57. Search for lepton flavour violation in the $e\mu$ continuum with the ATLAS detector in $\sqrt{s} = 7$ TeV pp collisions at the LHC.
G. Aad *et al.* [ATLAS Collaboration], Eur. Phys. J. C **72**, 2040 (2012)
58. Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector.
A. Collaboration *et al.* [ATLAS Collaboration], Eur. Phys. J. C **72**, 2157 (2012)
59. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **715**, 44 (2012)
60. Measurement of τ polarization in $W^- \rightarrow \tau\nu$ decays with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV.
G. Aad *et al.* [ATLAS Collaboration], Eur. Phys. J. C **72**, 2062 (2012)

61. Search for supersymmetry in events with three leptons and missing transverse momentum in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. Lett. **108**, 261804 (2012)
62. Search for TeV-scale gravity signatures in final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 7$ TeV.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **716**, 122 (2012)
63. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **714**, 197 (2012)
64. 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.
G. Aad *et al.* [ATLAS Collaboration], JHEP **1206**, 039 (2012)
65. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. D **85**, 112012 (2012)
66. Search for pair production of a new quark that decays to a Z boson and a bottom quark with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. Lett. **109**, 071801 (2012)
67. Search for the decay $B_s^0 \rightarrow \mu\mu$ with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **713**, 387 (2012)
68. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **714**, 180 (2012)
69. Measurement of the WW cross section in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector and limits on anomalous gauge couplings.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **712**, 289 (2012)
70. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. D **85**, 112006 (2012)
71. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. Lett. **108**, 241802 (2012)
72. Measurement of the top quark mass with the template method in the $t\bar{t} \rightarrow \ell + \text{jets}$ channel using ATLAS data.
G. Aad *et al.* [ATLAS Collaboration], Eur. Phys. J. C **72**, 2046 (2012)
73. 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.
G. Aad *et al.* [ATLAS Collaboration], Eur. Phys. J. C **72**, 2056 (2012)
74. 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.
G. Aad *et al.* [ATLAS Collaboration], Eur. Phys. J. C **72**, 2043 (2012)
75. Jet mass and substructure of inclusive jets in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS experiment.
G. Aad *et al.* [ATLAS Collaboration], JHEP **1205**, 128 (2012)

76. Inclusive Measurement of Diffractive Deep-Inelastic Scattering at HERA.
F. D. Aaron *et al.* [H1 Collaboration], Eur. Phys. J. C **72**, 2074 (2012)
77. Measurement of the charge asymmetry in top quark pair production in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Eur. Phys. J. C **72**, 2039 (2012)
78. Observation of spin correlation in $t\bar{t}$ events from pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. Lett. **108**, 212001 (2012)
79. Determination of the strange quark density of the proton from ATLAS measurements of the $W^- \rightarrow l\nu$ and $Z^- \rightarrow ll$ cross sections.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. Lett. **109**, 012001 (2012)
80. Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC.
G. Aad *et al.* [ATLAS Collaboration], JHEP **1205**, 157 (2012)
81. Search for second generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Eur. Phys. J. C **72**, 2151 (2012)
82. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. D **85**, 092014 (2012)
83. Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], JHEP **1207**, 019 (2012)
84. Measurement of the azimuthal anisotropy for charged particle production in $\sqrt{s_{NN}} = 2.76$ TeV lead-lead collisions with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. C **86**, 014907 (2012)
85. Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment.
G. Aad *et al.* [ATLAS Collaboration], Eur. Phys. J. C **72**, 2001 (2012)
86. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. Lett. **108**, 251801 (2012)
87. Measurement of Inclusive and Dijet D^* Meson Cross Sections in Photoproduction at HERA.
F. D. Aaron *et al.* [H1 Collaboration], Eur. Phys. J. C **72**, 1995 (2012)
88. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **712**, 331 (2012)
89. Search for FCNC single top-quark production at $\sqrt{s} = 7$ TeV with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **712**, 351 (2012)
90. Measurement of the azimuthal ordering of charged hadrons with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. D **86**, 052005 (2012)
91. Search for down-type fourth generation quarks with the ATLAS detector in events with one lepton and hadronically decaying W bosons.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. Lett. **109**, 032001 (2012)

92. 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.
G. Aad *et al.* [ATLAS Collaboration], JHEP **1204**, 069 (2012)
93. 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.
G. Aad *et al.* [ATLAS Collaboration], JHEP **1205**, 059 (2012)
94. Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at $\sqrt{s} = 7$ TeV.
G. Aad *et al.* [ATLAS Collaboration], Eur. Phys. J. C **72**, 1993 (2012)
95. Search for pair-produced heavy quarks decaying to Wq in the two-lepton channel at $\sqrt{s} = 7$ TeV with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. D **86**, 012007 (2012)
96. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. Lett. **108**, 261802 (2012)
97. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **710**, 383 (2012)
98. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. Lett. **108**, 111803 (2012)
99. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **710**, 49 (2012)
100. Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Eur. Phys. J. C **72**, 1965 (2012)
101. Search for excited leptons in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. D **85**, 072003 (2012)
102. Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV.
G. Aad *et al.* [ATLAS Collaboration], Eur. Phys. J. C **72**, 1926 (2012)
103. Measurement of the top quark pair production cross-section with ATLAS in the single lepton channel.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **711**, 244 (2012)
104. Study of jets produced in association with a W boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. D **85**, 092002 (2012)
105. Search for anomalous production of prompt like-sign muon pairs and constraints on physics beyond the Standard Model with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. D **85**, 032004 (2012)
106. Measurement of inclusive jet and dijet production in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. D **86**, 014022 (2012)
107. Search for heavy vector-like quarks coupling to light quarks in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **712**, 22 (2012)

108. Observation of a new χ_b state in radiative transitions to $\Upsilon(1S)$ and $\Upsilon(2S)$ at ATLAS.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. Lett. **108**, 152001 (2012)
109. Search for first generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **709**, 158 (2012), [Erratum-ibid. **711**, 442 (2012)]
110. Measurement of $D^{*+/-}$ meson production in jets from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. D **85**, 052005 (2012)
111. Search for contact interactions in dilepton events from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **712**, 40 (2012)
112. Search for scalar bottom pair production with the ATLAS detector in pp Collisions at $\sqrt{s} = 7$ TeV.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. Lett. **108**, 181802 (2012)
113. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. Lett. **108**, 211802 (2012)
114. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. Lett. **108**, 111802 (2012)
115. Search for Extra Dimensions using diphoton events in 7 TeV proton-proton collisions with the ATLAS detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **710**, 538 (2012)
116. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **709**, 341 (2012)
117. Measurement of the Azimuthal Correlation between the most Forward Jet and the Scattered Positron in Deep-Inelastic Scattering at HERA.
F. D. Aaron *et al.* [H1 Collaboration], Eur. Phys. J. C **72**, 1910 (2012)
118. Search for Diphoton Events with Large Missing Transverse Momentum in 1 fb^{-1} of 7 TeV Proton-Proton Collision Data with the ATLAS Detector.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **710**, 519 (2012)
119. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. D **85**, 032009 (2012)
120. K short and Λ production in pp interactions at $\sqrt{s} = 0.9$ and 7 TeV measured with the ATLAS detector at the LHC.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. D **85**, 012001 (2012)
121. Measurement of Dijet Production in Diffractive Deep-Inelastic Scattering with a Leading Proton at HERA.
F. D. Aaron *et al.* [H1 Collaboration], Eur. Phys. J. C **72**, 1970 (2012)
122. Search for strong gravity signatures in same-sign dimuon final states using the ATLAS detector at the LHC.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **709**, 322 (2012)

123. A study of the material in the ATLAS inner detector using secondary hadronic interactions.
G. Aad *et al.* [ATLAS Collaboration], JINST **7**, P01013 (2012)
124. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Lett. B **709**, 137 (2012)
125. 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.
G. Aad *et al.* [ATLAS Collaboration], Phys. Rev. Lett. **108**, 041804 (2012)
126. Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data.
G. Aad *et al.* [ATLAS Collaboration], Eur. Phys. J. C **72**, 1909 (2012)
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