

Steve Lloyd - Publications

Books

- [1] Electron Positron Physics at the Z.
M.G.Green, S.L.Lloyd, P.N.Ratoff and D.R.Ward, Institute of Physics Publishing (1998), 396 pages.
- [2] Electron-Positron Annihilation Physics.
R.J.Barlow, B.Foster, G.P.Heath, S.L.Lloyd and R.Marshall, Adam Hilger (1989), 231 pages.

Refereed Journal Papers

- [1] Search for new phenomena with photon+jet events in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector.
The ATLAS Collaboration, G. Aad et al., Journal of High Energy Physics **03** (2016) 041.
- [2] Measurement of the charge asymmetry in highly boosted top-quark pair production in $\sqrt{s}= 8$ TeV pp collision data collected by the ATLAS experiment.
The ATLAS Collaboration, G. Aad et al., Phys. Letters **756B** (2016) 52-71.
- [3] Measurement of the ZZ Production Cross Section in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector.
The ATLAS Collaboration, G. Aad et al., Phys. Rev. Letters **116** (101801) 2016.
- [4] Combination of searches for WW, WZ, and ZZ resonances in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector.
The ATLAS Collaboration, G. Aad et al., Phys. Letters **755B** (2016) 285-305.
- [5] Search for charged Higgs bosons in the $H^\pm \rightarrow tb$ decay channel in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector The ATLAS Collaboration, G. Aad et al., Journal of High Energy Physics **03** (2016) 127.
- [6] Search for strong gravity in multijet final states produced in pp collisions at $\sqrt{s}= 13$ TeV using the ATLAS detector at the LHC.
The ATLAS Collaboration, G. Aad et al., Journal of High Energy Physics **03** (2016) 026.
- [7] Search for New Phenomena in Dijet Mass and Angular Distributions from pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector.
The ATLAS Collaboration, G. Aad et al., Phys. Letters **754B** (2016) 302-322.
- [8] Performance of b-Jet Identification in the ATLAS Experiment.
The ATLAS Collaboration, G. Aad et al., JINST **11** (2016) 04008.
- [9] Measurement of the dependence of transverse energy production at large pseudorapidity on the hard-scattering kinematics of proton-proton collisions at $\sqrt{s}=2.76$ TeV with ATLAS.
The ATLAS Collaboration, G. Aad et al., Phys. Letters **756B** (2016) 10-28.
- [10] Evidence for single top-quark production in the s-channel in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector using the Matrix Element Method.
The ATLAS Collaboration, G. Aad et al., Phys. Letters **756B** (2016) 228-246.
- [11] A search for prompt lepton-jets in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector'
The ATLAS Collaboration, G. Aad et al., Journal of High Energy Physics **02** (2016) 062.
- [12] Dijet production in $\sqrt{s}=7$ pp collisions with large rapidity gaps at the ATLAS experiment.
The ATLAS Collaboration, G. Aad et al., Phys. Letters **754B** (2016) 214.

- [13] Measurement of the correlations between the polar angles of leptons from top quark decays in the helicity basis at $\sqrt{s}=7$ TeV using the ATLAS detector.
The ATLAS Collaboration, G. Aad et al., *Physical Review* **D93** (012002) 2016.
- [14] Identification of boosted, hadronically decaying W bosons and comparisons with ATLAS data taken at $\sqrt{s}=8$ TeV.
The ATLAS Collaboration, G. Aad et al., *Eur. Phys. J. C* **76** (2016) 1-47.
- [15] Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment.
The ATLAS Collaboration, G. Aad et al., *Journal of High Energy Physics* **01** (2016) 064.
- [16] Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment.
The ATLAS Collaboration, G. Aad et al., *Journal of High Energy Physics* **01** (2016) 064.
- [17] Measurement of the differential cross-section of highly boosted top quarks as a function of their transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions using the ATLAS detector.
The ATLAS Collaboration, G. Aad et al., *Physical Review* **D93** (2016) 032009.
- [18] Search for the production of single vector-like and excited quarks in the Wt final state in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector.
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- [19] Search for magnetic monopoles and stable particles with high electric charges in 8 TeV pp collisions with the ATLAS detector.
The ATLAS Collaboration, G. Aad et al., *Physical Review* **D93** (2016) 052009.
- [20] Measurements of four-lepton production in pp collisions at $\sqrt{s}= 8$ TeV with the ATLAS detector.
The ATLAS Collaboration, G. Aad et al., *Phys. Letters* **753B** (2016) 552-572.
- [21] Search for the electroweak production of supersymmetric particles in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector.
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- [22] Measurement of jet charge in dijet events from $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector.
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- [23] Search for direct scalar top pair production in final states with two tau leptons in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector.
The ATLAS Collaboration, G. Aad et al., *Eur. Phys. J. C* **76** (2016) 81.
- [24] Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $\sqrt{s}=8$ TeV with the ATLAS detector.
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- [25] Search for single top-quark production via flavour changing neutral currents at 8 TeV with the ATLAS detector.
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- [26] Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector.
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- [28] Measurements of fiducial cross-sections for $t\bar{t}$ production with one or two additional b-jets in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector.
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- [31] Constraints on non-Standard Model Higgs boson interactions in an effective field theory using differential cross sections measured in the H decay channel at $\sqrt{s}=8$ TeV with the ATLAS detector.
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- [36] Measurements of four-jet differential cross sections from $\sqrt{s} = 8$ TeV proton-proton collisions using the ATLAS detector.
The ATLAS Collaboration, G. Aad et al., *Journal of High Energy Physics* **12** (2015) 105.
- [37] Search for flavour-changing neutral current top quark decays $t \rightarrow Hq$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector.
The ATLAS Collaboration, G. Aad et al., *Journal of High Energy Physics* **12** (2015) 061.
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- [41] Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector.
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