

ATLAS group publications (January 2015-June 2017)

- [1] M. Aaboud et al. (ATLAS Collaboration). “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. C* 77.1 (2017), p. 26. arXiv: [1607.08842 \[hep-ex\]](#).
- [2] M. Aaboud et al. (ATLAS Collaboration). “Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data”. *Eur. Phys. J. C* 77.3 (2017), p. 195. arXiv: [1612.01456 \[hep-ex\]](#).
- [3] M. Aaboud et al. (ATLAS Collaboration). “Evidence for light-by-light scattering in heavy-ion collisions with the ATLAS detector at the LHC” (2017). arXiv: [1702.01625 \[hep-ex\]](#).
- [4] M. Aaboud et al. (ATLAS Collaboration). “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” (2017). arXiv: [1702.02859 \[hep-ex\]](#).
- [5] M. Aaboud et al. (ATLAS Collaboration). “High- E_T isolated-photon plus jets production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector”. *Nucl. Phys.* B918 (2017), pp. 257–316. arXiv: [1611.06586 \[hep-ex\]](#).
- [6] M. Aaboud et al. (ATLAS Collaboration). “Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector” (2017). arXiv: [1705.02211 \[hep-ex\]](#).
- [7] M. Aaboud et al. (ATLAS Collaboration). “Jet energy scale measurements and their systematic uncertainties in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector” (2017). arXiv: [1703.09665 \[hep-ex\]](#).
- [8] M. Aaboud et al. (ATLAS Collaboration). “Jet reconstruction and performance using particle flow with the ATLAS Detector” (2017). arXiv: [1703.10485 \[hep-ex\]](#).
- [9] M. Aaboud et al. (ATLAS Collaboration). “Measurement of b -hadron pair production with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV” (2017). arXiv: [1705.03374 \[hep-ex\]](#).
- [10] M. Aaboud et al. (ATLAS Collaboration). “Measurement of charged-particle distributions sensitive to the underlying event in $\sqrt{s} = 13$ TeV proton-proton collisions with the ATLAS detector at the LHC”. *JHEP* 03 (2017), p. 157. arXiv: [1701.05390 \[hep-ex\]](#).
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- [12] M. Aaboud et al. (ATLAS Collaboration). “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. C* 77.4 (2017), p. 220. arXiv: [1610.09978 \[hep-ex\]](#).
- [13] M. Aaboud et al. (ATLAS Collaboration). “Measurement of jet fragmentation in 5.02 TeV proton-lead and proton-proton collisions with the ATLAS detector” (2017). arXiv: [1706.02859 \[hep-ex\]](#).
- [14] M. Aaboud et al. (ATLAS Collaboration). “Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC”. *Eur. Phys. J. C* 77.6 (2017), p. 379. arXiv: [1702.00674 \[hep-ex\]](#).
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- [32] M. Aaboud et al. (ATLAS Collaboration). “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 (2017), p. 071. arXiv: [1610.07869 \[hep-ex\]](#).
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