

** Indicates papers where I played a leading role in the analysis, manuscript preparation or review.

Papers submitted for publication

1. G. Aad *et al.* [ATLAS Collaboration], “Measurement with the ATLAS detector of multi-particle azimuthal correlations in $p + Pb$ collisions at $\sqrt{s_{NN}}=5.02$ TeV,” arXiv:1303.2084 [hep-ex].
2. G. Aad *et al.* [ATLAS Collaboration], “Search for third generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector,” arXiv:1303.0526 [hep-ex].
3. ** G. Aad *et al.* [ATLAS Collaboration], “Characterisation and mitigation of beam-induced backgrounds observed in the ATLAS detector during the 2011 proton-proton run,” arXiv:1303.0223 [hep-ex].
4. G. Aad *et al.* [ATLAS Collaboration], “Search for WH production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector,” arXiv:1302.4403 [hep-ex].
5. ** G. Aad *et al.* [ATLAS Collaboration], “Improved luminosity determination in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC,” arXiv:1302.4393 [hep-ex].
6. G. Aad *et al.* [ATLAS Collaboration], “Search for a light charged Higgs boson in the decay channel $H^+ \rightarrow c\bar{s}$ in $t\bar{t}$ events using pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector,” arXiv:1302.3694 [hep-ex].
7. G. Aad *et al.* [The ATLAS Collaboration], “Measurement of the cross-section for W boson production in association with b -jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector,” arXiv:1302.2929 [hep-ex].
8. G. Aad *et al.* [The ATLAS Collaboration], “Measurement of kT splitting scales in $W \rightarrow l\nu$ events at $\sqrt{s}=7$ TeV with the ATLAS detector,” arXiv:1302.1415 [hep-ex].
9. G. Aad *et al.* [The ATLAS Collaboration], “Measurements of W gamma and Z gamma production in pp collisions at $\sqrt{s}= 7$ TeV with the ATLAS detector at the LHC,” arXiv:1302.1283 [hep-ex].
10. G. Aad *et al.* [ATLAS Collaboration], “Search for long-lived, multi-charged particles in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector,” arXiv:1301.5272 [hep-ex].
11. G. Aad *et al.* [ATLAS Collaboration], “Search for single b^* -quark production with the ATLAS detector at $\sqrt{s} = 7$ TeV,” arXiv:1301.1583 [hep-ex].

12. G. Aad *et al.* [ATLAS Collaboration], “Observation of Associated Near-side and Away-side Long-range Correlations in $\sqrt{s_{NN}} = 5.02$ TeV Proton-lead Collisions with the ATLAS Detector,” arXiv:1212.5198 [hep-ex].
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14. G. Aad *et al.* [ATLAS Collaboration], “Search for a heavy narrow resonance decaying to $e\mu, e\tau,$ or $\mu\tau$ with the ATLAS detector in $\sqrt{s} = 7$ TeV pp collisions at the LHC,” arXiv:1212.1272 [hep-ex].
15. G. Aad *et al.* [ATLAS Collaboration], “Measurement of Upsilon production in 7 TeV pp collisions at ATLAS,” arXiv:1211.7255 [hep-ex].
16. G. Aad *et al.* [ATLAS Collaboration], “Measurement of the $t\bar{t}$ production cross section in the τ +jets channel using the ATLAS detector,” arXiv:1211.7205 [hep-ex].
17. G. Aad *et al.* [ATLAS Collaboration], “Search for the neutral Higgs bosons of the Minimal Supersymmetric Standard Model in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector,” arXiv:1211.6956 [hep-ex].
18. G. Aad *et al.* [ATLAS Collaboration], “Measurement of angular correlations in Drell-Yan lepton pairs to probe Z/γ^* boson transverse momentum at $\sqrt{s}=7$ TeV with the ATLAS detector,” arXiv:1211.6899 [hep-ex].
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20. G. Aad *et al.* [ATLAS Collaboration], “Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector,” arXiv:1210.4491 [hep-ex].
21. G. Aad *et al.* [ATLAS Collaboration], “Measurement of charged-particle event shape variables in $\sqrt{s} = 7$ TeV proton-proton interactions with the ATLAS detector,” arXiv:1207.6915 [hep-ex].
22. G. Aad *et al.* [ATLAS Collaboration], “Measurement of the Λ_b lifetime and mass in the ATLAS experiment,” arXiv:1207.2284 [hep-ex].

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1. ** G. Aad *et al.* [ATLAS Collaboration], “A particle consistent with the Higgs Boson observed with the ATLAS Detector at the Large Hadron Collider,” *Science* **338**, 1576 (2012).

2. G. Aad *et al.* [ATLAS Collaboration], “Multi-channel search for squarks and gluinos in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector,” *Eur. Phys. J. C* **73**, 2362 (2013).
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7. G. Aad *et al.* [ATLAS Collaboration], “Measurement of isolated-photon pair production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector,” *JHEP* **1301**, 086 (2013).
8. G. Aad *et al.* [ATLAS Collaboration], “Searches for heavy long-lived sleptons and R-Hadrons with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV,” *Phys. Lett. B* **720**, 277 (2013).
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19. G. Aad *et al.* [ATLAS Collaboration], “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,” *JHEP* **1212**, 086 (2012).
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