

## Journal Articles

- [1] M. Aaboud, “A search for pairs of highly collimated photon-jets in  $pp$  collisions at  $\sqrt{s} = 13$  TeV with the ATLAS detector”, Phys. Rev. **D99**, 012008 (2019).
- [2] M. Aaboud, “A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment”, Eur. Phys. J. **C79**, 120 (2019).
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- [4] M. Aaboud, “Combinations of single-top-quark production cross-section measurements and  $|f_{LV}V_{tb}|$  determinations at  $\sqrt{s} = 7$  and 8 TeV with the ATLAS and CMS experiments”, (2019).
- [5] M. Aaboud, “Comparison of fragmentation functions for light-quark- and gluon-dominated jets from  $pp$  and Pb+Pb collisions in ATLAS”, Submitted to: Phys. Rev. Lett. (2019).
- [6] M. Aaboud, “Constraints on mediator-based dark matter and scalar dark energy models using  $\sqrt{s} = 13$  TeV  $pp$  collision data collected by the ATLAS detector”, (2019).
- [7] M. Aaboud, “Correlated long-range mixed-harmonic fluctuations measured in  $pp$ ,  $p$ +Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector”, Phys. Lett. **B789**, 444–471 (2019).
- [8] M. Aaboud, “Cross-section measurements of the Higgs boson decaying into a pair of  $\tau$ -leptons in proton-proton collisions at  $\sqrt{s} = 13$  TeV with the ATLAS detector”, Phys. Rev. **D99**, 072001 (2019).
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- [13] M. Aaboud, “In situ calibration of large-radius jet energy and mass in 13 TeV proton–proton collisions with the ATLAS detector”, Eur. Phys. J. **C79**, 135 (2019).
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- [16] M. Aaboud, “Measurement of prompt photon production in  $\sqrt{s_{NN}} = 8.16$  TeV  $p$ +Pb collisions with ATLAS”, Submitted to: Phys. Lett. (2019).
- [17] M. Aaboud, “Measurement of the four-lepton invariant mass spectrum in 13 TeV proton-proton collisions with the ATLAS detector”, JHEP **04**, 048 (2019).
- [18] M. Aaboud, “Measurement of the nuclear modification factor for inclusive jets in Pb+Pb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV with the ATLAS detector”, Phys. Lett. **B790**, 108–128 (2019).
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- [24] M. Aaboud, “Measurement of  $W^\pm Z$  production cross sections and gauge boson polarisation in  $pp$  collisions at  $\sqrt{s} = 13$  TeV with the ATLAS detector”, (2019).
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