## **Journal Articles**

- [1] M. Aaboud, "Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at  $\sqrt{s} = 13$  TeV with the ATLAS detector", JHEP **05**, 195 (2018).
- [2] M. Aaboud, "Measurement of the production cross-section of a single top quark in association with a Z boson in proton-proton collisions at 13 TeV with the ATLAS detector", Phys. Lett. B780, 557–577 (2018).
- [3] M. Aaboud, "Search for a Structure in the  $B_s^0\pi^{\pm}$  Invariant Mass Spectrum with the ATLAS Experiment", Phys. Rev. Lett. **120**, 202007 (2018).
- [4] M. Aaboud, "Search for an invisibly decaying Higgs boson or dark matter candidates produced in association with a Z boson in pp collisions at  $\sqrt{s} = 13$  TeV with the ATLAS detector", Phys. Lett. B776, 318–337 (2018).
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- [6] M. Aaboud, "Search for the Decay of the Higgs Boson to Charm Quarks with the ATLAS Experiment", Phys. Rev. Lett. **120**, 211802 (2018).
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- [8] M. Aaboud, "A search for pair-produced resonances in four-jet final states at  $\sqrt{s} = 13$  TeV with the ATLAS detector", Eur. Phys. J. C78, 250 (2018).
- [9] M. Aaboud, "A search for resonances decaying into a Higgs boson and a new particle X in the  $XH \to qqbb$  final state with the ATLAS detector", Phys. Lett. **B779**, 24–45 (2018).
- [10] M. Aaboud, "Angular analysis of  $B_d^0 \to K^* \mu^+ \mu^-$  decays in pp collisions at  $\sqrt{s} = 8$  TeV with the ATLAS detector", (2018).
- [11] M. Aaboud, "Combination of inclusive and differential  $t\bar{t}$  charge asymmetry measurements using ATLAS and CMS data at  $\sqrt{s} = 7$  and 8 TeV", JHEP **04**, 033 (2018).
- [12] M. Aaboud, "Combined measurement of differential and total cross sections in the  $H \to \gamma \gamma$  and the  $H \to ZZ^* \to 4\ell$  decay channels at  $\sqrt{s} = 13$  TeV with the ATLAS detector", (2018).
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- [14] M. Aaboud, "Evidence for the associated production of the Higgs boson and a top quark pair with the ATLAS detector", Phys. Rev. D97, 072003 (2018).
- [15] M. Aaboud, "Measurement of colour flow using jet-pull observables in  $t\bar{t}$  events with the ATLAS experiment at  $\sqrt{s} = 13$  TeV", (2018).
- [16] M. Aaboud, "Measurement of differential cross sections and  $W^+/W^-$  cross-section ratios for W boson production in association with jets at  $\sqrt{s} = 8$  TeV with the ATLAS detector", JHEP **05**, 077 (2018).
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