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1. Fluctuations of anisotropic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector, M. Aaboud et al., ATLAS Collaboration, J. High Energy Phys. 01 (2020) 051


7. Search for non-resonant Higgs boson pair production in the $bb\ell\nu\ell\nu$ final state with the ATLAS detector in $pp$ collisions at $\sqrt{s} = 13$ TeV, G. Aad et al., ATLAS Collaboration, Phys. Lett. B 801 (2020) 135145


10. Combined measurements of Higgs boson production and decay using up to 80 $fb^{-1}$ of proton-proton collision data at $\sqrt{s} = 13$ TeV collected with the ATLAS experiment, G. Aad et al., ATLAS Collaboration, Phys. Rev. D 101 (2020) 012002

11. Search for the Higgs boson decays $H \to ee$ and $H \to e\mu$ in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector, G. Aad et al., ATLAS Collaboration, Phys. Lett. B 801 (2020) 135148

13. Transverse momentum and process dependent azimuthal anisotropies in \( \sqrt{s_{\text{NN}}} = 8.16 \text{ TeV} \) p+Pb collisions with the ATLAS detector, G. Aad et al., ATLAS Collaboration, Eur. Phys. J. C 80 (2020) 73

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2. Search for pair production of Higgs bosons in the \( b\bar{b}b\bar{b} \) final state using proton-proton collisions at \( \sqrt{s} = 13 \text{ TeV} \) with the ATLAS detector, M. Aaboud et al., ATLAS Collaboration, J. High Energy Phys. 1901 (2019) 030


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18. Measurement of the top quark mass in the \( t\bar{t} \rightarrow \text{lepton}+\text{jets} \) channel from \( \sqrt{s} = 8 \) TeV ATLAS data and combination with previous results, M. Aaboud \textit{et al.}, ATLAS Collaboration, Eur. Phys. J. C 79 (2019) 290


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38. Search for top-quark decays $t \to Hq$ with 36 fb$^{-1}$ of $pp$ collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector, M. Aaboud et al., ATLAS Collaboration, J. High Energy Phys. 05 (2019) 123

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33. Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector, M. Aaboud et al., ATLAS Collaboration, J. High Energy Phys. 01 (2018) 126


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