

Journal Articles

- [1] G. Aad (ATLAS), “Search for the nonresonant production of Higgs boson pairs via gluon fusion and vector-boson fusion in the $b\bar{b}\tau^+\tau^-$ final state in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector”, *Phys. Rev. D* **110**, 032012 (2024).
- [2] G. Aad (ATLAS), “A precise measurement of the jet energy scale derived from single-particle measurements and in situ techniques in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector”, (2024).
- [3] G. Aad (ATLAS), “A precise measurement of the Z-boson double-differential transverse momentum and rapidity distributions in the full phase space of the decay leptons with the ATLAS experiment at $\sqrt{s} = 8$ TeV”, *Eur. Phys. J. C* **84**, 315 (2024).
- [4] G. Aad (ATLAS), “A search for R -parity violating supersymmetric decays of the top squark to a b -jet and a lepton in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector”, (2024).
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- [15] G. Aad (ATLAS), “Climbing to the Top of the ATLAS 13 TeV data”, (2024).
- [16] G. Aad (ATLAS), “Combination of searches for heavy spin-1 resonances using 139 fb¹ of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector”, *JHEP* **04**, 118 (2024).
- [17] G. Aad (ATLAS), “Combination of searches for Higgs boson decays into a photon and a massless dark photon using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector”, (2024).
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