

Publication List

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- A. Tumasyan et al., **Higher-order moments of the elliptic flow distribution in PbPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**, (2023). <http://arxiv.org/abs/2311.11370>, arXiv:2311.11370 [nucl-ex]
- A. Tumasyan et al., **Search for high-mass exclusive diphoton production with tagged protons in proton-proton collisions at $\sqrt{s} = 13$ TeV**, (2023). <http://arxiv.org/abs/2311.02725>, arXiv:2311.02725 [hep-ex]
- A. Hayrapetyan et al., **Search for new Higgs bosons via same-sign top quark pair production in association with a jet in proton-proton collisions at $\sqrt{s} = 13$ TeV**, (2023). <http://arxiv.org/abs/2311.03261>, arXiv:2311.03261 [hep-ex]
- N. Smith et al., **A Ceph S3 Object Data Store for HEP**, in: **26th International Conference on Computing in High Energy & Nuclear Physics**, 2023. <http://arxiv.org/abs/2311.16321>, arXiv:2311.16321 [physics.data-an]
- A. Tumasyan et al., **Search for a new resonance decaying into two spin-0 bosons in a final state with two photons and two bottom quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV**, (2023). <http://arxiv.org/abs/2310.01643>, arXiv:2310.01643 [hep-ex]
- A. Hayrapetyan et al., **Search for dark matter particles in W^+W^- events with transverse momentum imbalance in proton-proton collisions at $\sqrt{s} = 13$ TeV**, (2023). <http://arxiv.org/abs/2310.12229>, arXiv:2310.12229 [hep-ex]
- A. Tumasyan et al., **Study of azimuthal anisotropy of $\Upsilon(1S)$ mesons in pPb collisions at $\sqrt{s_{NN}} = 8.16$ TeV**, (2023). <http://arxiv.org/abs/2310.03233>, arXiv:2310.03233 [hep-ex]
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- A. Hayrapetyan et al., **Search for narrow trijet resonances in proton-proton collisions at $\sqrt{s} = 13$ TeV**, (2023). <http://arxiv.org/abs/2310.14023>, arXiv:2310.14023 [hep-ex]
- A. Hayrapetyan et al., **Search for stealth supersymmetry in final states with two photons, jets, and low missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV**, (2023). <http://arxiv.org/abs/2310.03154>, arXiv:2310.03154 [hep-ex]
- A. Hayrapetyan et al., **Development of the CMS detector for the CERN LHC Run 3**, (2023). <http://arxiv.org/abs/2309.05466>, arXiv:2309.05466 [physics.ins-det]
- A. Hayrapetyan et al., **Search for direct production of GeV-scale resonances decaying to a pair of muons in proton-proton collisions at $\sqrt{s} = 13$ TeV**, (2023). <http://arxiv.org/abs/2309.16003>, arXiv:2309.16003 [hep-ex]
- A. Hayrapetyan et al., **Measurement of the τ lepton polarization in Z boson decays in proton-proton collisions at $\sqrt{s} = 13$ TeV**, (2023). <http://arxiv.org/abs/2309.12408>, arXiv:2309.12408 [hep-ex]
- A. Hayrapetyan et al., **Luminosity determination using Z boson production at the CMS experiment**, (2023). <http://arxiv.org/abs/2309.01008>, arXiv:2309.01008 [hep-ex]
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