## Publication List from all Collaborations and Experiments

## Oliver Gutsche

## November 1, 2024

- A. Hayrapetyan et al., Study of same-sign W boson scattering and anomalous couplings in events with one tau lepton from pp collisions at  $\sqrt{s} = 13$  TeV, (2024). http://arxiv.org/abs/2410.04210, arXiv:2410.04210 [hep-ex]
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- A. Hayrapetyan et al., Search for heavy long-lived charged particles with large ionization energy loss in protonproton collisions at  $\sqrt{s} = 13$  TeV, (2024). http://arxiv.org/abs/2410.09164, arXiv:2410.09164 [hep-ex]
- A. Hayrapetyan et al., **Performance of the CMS high-level trigger during LHC Run 2**, (2024). http://arxiv.org/abs/2410.17038, arXiv:2410.17038 [physics.ins-det]
- A. Tumasyan et al., Correlations between azimuthal anisotropy and mean transverse momentum in pp, pPb, and peripheral PbPb collisions, (2024). http://arxiv.org/abs/2410.04578, arXiv:2410.04578 [nucl-ex]
- A. Hayrapetyan et al., Search for pair production of heavy particles decaying to a top quark and a gluon in the lepton+jets final state in proton-proton collisions at  $\sqrt{s} = 13$  TeV, (2024). http://arxiv.org/abs/2410.20601, arXiv:2410.20601 [hep-ex]
- A. Hayrapetyan et al., Measurement of the Higgs boson mass and width using the four-lepton final state in proton-proton collisions at  $\sqrt{s} = 13$  TeV, (2024). http://arxiv.org/abs/2409.13663, arXiv:2409.13663 [hep-ex]
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- A. Hayrapetyan et al., Bottom quark energy loss and hadronization with B  $^+$  and B  $^0_s$  nuclear modification factors using pp and \PbPb collisions at  $\sqrt{s_{NN}} = 5.02$  TeV, (2024). http://arxiv.org/abs/2409.07258, arXiv:2409.07258 [nuclex]
- A. Hayrapetyan et al., Search for light long-lived particles decaying to displaced jets in proton-proton collisions at  $\sqrt{s} = 13.6$  TeV, (2024). http://arxiv.org/abs/2409.10806, arXiv:2409.10806 [hep-ex]
- A. Hayrapetyan et al., Pseudorapidity distributions of charged hadrons in lead-lead collisions at  $\sqrt{s_{NN}} = 5.36$  TeV, (2024). http://arxiv.org/abs/2409.00838, arXiv:2409.00838 [hep-ex]
- A. Hayrapetyan et al., Measurements of polarization and spin correlation and observation of entanglement in top quark pairs using lepton+jets events from proton-proton collisions at  $\sqrt{s} = 13$  TeV, (2024). http://arxiv.org/abs/2409.11067, arXiv:2409.11067 [hep-ex]
- A. Hayrapetyan et al., Search for bottom quark associated production of the standard model Higgs boson in final states with leptons in proton-proton collisions at  $\sqrt{s} = 13$  TeV, (2024). http://arxiv.org/abs/2408.01344, arXiv:2408.01344 [hep-ex]
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- A. Hayrapetyan et al., Test of lepton flavor universality in semileptonic B  $_c^+$  meson decays in proton-proton collisions at  $\sqrt{s} = 13$  TeV, (2024). http://arxiv.org/abs/2408.00678, arXiv:2408.00678 [hep-ex]
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  - Full List of Physics Publications with Major Personal Contributions can be found here.
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