## Publication List

## Oliver Gutsche

## April 28, 2024

- A. Hayrapetyan et al., Constraints on anomalous Higgs boson couplings from its production and decay using the WW channel in proton-proton collisions at  $\sqrt{s} = 13$  TeV, (2024). http://arxiv.org/abs/2403.00657, arXiv:2403.00657 [hep-ex]
- A. Hayrapetyan et al., Search for new physics with emerging jets in proton-proton collisions at  $\sqrt{s} = 13$  TeV, (2024). http://arxiv.org/abs/2403.01556, arXiv:2403.01556 [hep-ex]
- A. Hayrapetyan et al., Review of top quark mass measurements in CMS, (2024). http://arxiv.org/abs/2403.01313, arXiv:2403.01313 [hep-ex]
- A. Hayrapetyan et al., Search for long-lived heavy neutrinos in the decays of B mesons produced in protonproton collisions at  $\sqrt{s} = 13$  TeV, (2024). http://arxiv.org/abs/2403.04584, arXiv:2403.04584 [hep-ex]
- A. Hayrapetyan et al., Measurement of the production cross section of a Higgs boson with large transverse momentum in its decays to a pair of  $\tau$  leptons in proton-proton collisions at  $\sqrt{s} = 13$  TeV, (2024). http://arxiv.org/abs/2403.20201, arXiv:2403.20201 [hep-ex]
- A. Hayrapetyan et al., Search for soft unclustered energy patterns in proton-proton collisions at 13 TeV, (2024). http://arxiv.org/abs/2403.05311, arXiv:2403.05311 [hep-ex]
- A. Hayrapetyan et al., Searches for Higgs boson production through decays of heavy resonances, (2024). http://arxiv.org/abs/2403.16926, arXiv:2403.16926 [hep-ex]
- A. Hayrapetyan et al., Performance of the CMS electromagnetic calorimeter in pp collisions at  $\sqrt{s} = 13$  TeV, (2024). http://arxiv.org/abs/2403.15518, arXiv:2403.15518 [physics.ins-det]
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- A. Hayrapetyan et al., Observation of the J/  $\psi \rightarrow \mu^+ \mu^- \mu^+ \mu^-$  decay in proton-proton collisions at  $\sqrt{s} = 13$  TeV, (2024). http://arxiv.org/abs/2403.11352, arXiv:2403.11352 [hep-ex]
- A. Hayrapetyan et al., Search for the decay of the Higgs boson to a pair of light pseudoscalar bosons in the final state with four bottom quarks in proton-proton collisions at  $\sqrt{s} = 13$  TeV, (2024). http://arxiv.org/abs/2403.10341, arXiv:2403.10341 [hep-ex]
- A. Hayrapetyan et al., Enriching the physics program of the CMS experiment via data scouting and data parking, (2024). http://arxiv.org/abs/2403.16134, arXiv:2403.16134 [hep-ex]
- A. Hayrapetyan et al., Search for long-lived heavy neutral leptons decaying in the CMS muon detectors in proton-proton collisions at  $\sqrt{s} = 13$  TeV, (2024). http://arxiv.org/abs/2402.18658, arXiv:2402.18658 [hep-ex]
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