

Publication List

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- A. Hayrapetyan et al., **Discovery of suppressed charged-particle production in ultrarelativistic oxygen-oxygen collisions**, (2025). <http://arxiv.org/abs/2510.09864>, arXiv:2510.09864 [nucl-ex]
- V. Chekhovsky et al., **Measurement of the ratio of the $B_c^+ \rightarrow J/\psi \tau^+ \nu_\tau$ and $B_c^+ \rightarrow J/\psi \mu^+ \nu_\mu$ branching fractions using three-prong τ lepton decays**, (2025). <http://arxiv.org/abs/2510.21559>, arXiv:2510.21559 [hep-ex]
- A. Hayrapetyan et al., **Performance of heavy-flavour jet identification in Lorentz-boosted topologies in proton-proton collisions at $\sqrt{s} = 13$ TeV**, (2025). <http://arxiv.org/abs/2510.10228>, arXiv:2510.10228 [physics.ins-det]
- A. Hayrapetyan et al., **Characterizing the initial state and dynamical evolution in XeXe and PbPb collisions using multiparticle cumulants**, (2025). <http://arxiv.org/abs/2510.26766>, arXiv:2510.26766 [nucl-ex]
- A. Hayrapetyan et al., **Observation of long-range collective flow in OO and NeNe collisions and implications for nuclear structure studies**, (2025). <http://arxiv.org/abs/2510.02580>, arXiv:2510.02580 [nucl-ex]
- A. Hayrapetyan et al., **Observation of tWZ production at the CMS experiment**, (2025). <http://arxiv.org/abs/2510.19080>, arXiv:2510.19080 [hep-ex]
- V. Chekhovsky et al., **Search for dark matter production in association with bottom quarks and a lepton pair in proton-proton collisions at $\sqrt{s} = 13$ TeV**, (2025). <http://arxiv.org/abs/2510.12396>, arXiv:2510.12396 [hep-ex]
- A. Hayrapetyan et al., **Search for dijet resonances with data scouting in proton-proton collisions at $\sqrt{s} = 13$ TeV**, (2025). <http://arxiv.org/abs/2510.21641>, arXiv:2510.21641 [hep-ex]
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- A. Hayrapetyan et al., **Vector boson scattering and anomalous quartic couplings in final states with $\ell\nu qq$ or $\ell\ell qq$ plus jets using proton-proton collisions at $\sqrt{s} = 13$ TeV**, (2025). <http://arxiv.org/abs/2510.00118>, arXiv:2510.00118 [hep-ex]
- A. Hayrapetyan et al., **Search for resonances decaying to an anomalous jet and a Higgs boson in proton-proton collisions at $\sqrt{s} = 13$ TeV**, (2025). <http://arxiv.org/abs/2509.13635>, arXiv:2509.13635 [hep-ex]
- A. Hayrapetyan et al., **Model-independent measurement of the Higgs boson associated production with two jets and decaying to a pair of W bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV**, (2025). <http://arxiv.org/abs/2509.07958>, arXiv:2509.07958 [hep-ex]
- A. Hayrapetyan et al., **Measurements of ttW differential cross sections and the leptonic charge asymmetry at $\sqrt{s} = 13$ TeV**, (2025). <http://arxiv.org/abs/2509.13512>, arXiv:2509.13512 [hep-ex]
- V. Chekhovsky et al., **Measurement of D^0 meson photoproduction in ultraperipheral heavy ion collisions**, (2025). <http://arxiv.org/abs/2509.08626>, arXiv:2509.08626 [nucl-ex]
- V. Chekhovsky et al., **Measurement of the dineutrino system kinematic variables in dileptonic top quark pair production in proton-proton collisions at $\sqrt{s} = 13$ TeV**, (2025). <http://arxiv.org/abs/2510.00160>, arXiv:2510.00160 [hep-ex]
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