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List of publications (sorted by submission date)

09-09-2024

1. A. Hayrapetyan *et al.* [CMS], “Search for new physics in high-mass diphoton events from proton-proton collisions at $\sqrt{s} = 13$ TeV”, JHEP **08** (2024), 215
doi:10.1007/JHEP08(2024)215 [arXiv:2405.09320 [hep-ex]]. (0 citations / INSPIRE, 09 Sep 2024)
2. A. Hayrapetyan *et al.* [CMS], “Performance of CMS muon reconstruction from proton-proton to heavy ion collisions”, JINST **19** (2024) no.09, P09012
doi:10.1088/1748-0221/19/09/P09012 [arXiv:2404.17377 [hep-ex]]. (2 citations / INSPIRE, 09 Sep 2024)
3. A. Hayrapetyan *et al.* [CMS], “Measurement of multijet azimuthal correlations and determination of the strong coupling in proton-proton collisions at $\sqrt{s} = 13$ TeV”, Eur. Phys. J. C **84** (2024) no.8, 842
doi:10.1140/epjc/s10052-024-13116-7 [arXiv:2404.16082 [hep-ex]]. (2 citations / INSPIRE, 09 Sep 2024)
4. A. Hayrapetyan *et al.* [CMS], “Search for ZZ and ZH production in the $b\bar{b}b\bar{b}$ final state using proton-proton collisions at $\sqrt{s} = 13$ TeV”, Eur. Phys. J. C **84** (2024) no.7, 712
doi:10.1140/epjc/s10052-024-13021-z [arXiv:2403.20241 [hep-ex]]. (0 citations / INSPIRE, 07 Sep 2024)
5. A. Hayrapetyan *et al.* [CMS], “Measurement of the production cross section of a Higgs boson with large transverse momentum in its decays to a pair of τ leptons in proton-proton collisions at $s=13\text{TeV}$ ”, Phys. Lett. B **857** (2024), 138964
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6. A. Hayrapetyan *et al.* [CMS], “Performance of the CMS electromagnetic calorimeter in pp collisions at $\sqrt{s} = 13$ TeV”, JINST **19** (2024) no.09, P09004
doi:10.1088/1748-0221/19/09/P09004 [arXiv:2403.15518 [physics.ins-det]]. (5 citations / INSPIRE, 09 Sep 2024)
7. A. Hayrapetyan *et al.* [CMS], “Observation of the $J/\psi \rightarrow \mu^+ \mu^- \mu^+ \mu^-$ decay in proton-proton collisions at $s=13$ TeV”, Phys. Rev. D **109** (2024) no.11, L111101
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8. A. Hayrapetyan *et al.* [CMS], “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”, JHEP **06** (2024), 097
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9. A. Hayrapetyan *et al.* [CMS], “Search for Higgs boson pair production in the $b\bar{b}W^+W^-$ decay mode in proton-proton collisions at $\sqrt{s} = 13$ TeV”, JHEP **07** (2024), 293
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11. A. Hayrapetyan *et al.* [CMS], “Search for dark QCD with emerging jets in proton-proton collisions at $\sqrt{s} = 13$ TeV”, JHEP **07** (2024), 142
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