CMS Publications

* 1324 $−$ “Measurement of the polarizations of prompt and non-prompt $J/ψ$ and $ψ(2S)$ mesons produced in pp collisions at $\sqrt{s}=$ 13 TeV"
[CMS-BPH-22-009](https://cms-results.web.cern.ch/cms-results/public-results/publications/BPH-22-009/index.html), Submitted to PLB, [arXiv:2406.14409](https://arxiv.org/abs/2406.14409) (2024-06-20).
* 1323 $−$ “Search for a resonance decaying to a W boson and a photon in proton-proton collisions at $\sqrt{s}=$ 13 TeV using leptonic W boson decays"
[CMS-EXO-21-017](https://cms-results.web.cern.ch/cms-results/public-results/publications/EXO-21-017/index.html), Submitted to JHEP, [arXiv:2406.05737](https://arxiv.org/abs/2406.05737) (2024-06-07).
* 1322 $−$ “Measurement of inclusive and differential cross sections for W$​^{+}$W$​^{−}$ production in proton-proton collisions at $\sqrt{s}=$ 13.6 TeV"
[CMS-SMP-24-001](https://cms-results.web.cern.ch/cms-results/public-results/publications/SMP-24-001/index.html), Submitted to PLB, [arXiv:2406.05101](https://arxiv.org/abs/2406.05101) (2024-06-07).
* 1321 $−$ “Observation of $γγ\rightarrow ττ$ in proton-proton collisions and limits on the anomalous electromagnetic moments of the $τ$ lepton"
[CMS-SMP-23-005](https://cms-results.web.cern.ch/cms-results/public-results/publications/SMP-23-005/index.html), Submitted to ROPP, [arXiv:2406.03975](https://arxiv.org/abs/2406.03975) (2024-06-06).
* 1320 $−$ “Observation of quantum entanglement in top quark pair production in proton-proton collisions at $\sqrt{s}=$ 13 TeV"
[CMS-TOP-23-001](https://cms-results.web.cern.ch/cms-results/public-results/publications/TOP-23-001/index.html), Submitted to ROPP, [arXiv:2406.03976](https://arxiv.org/abs/2406.03976) (2024-06-06).
* 1319 $−$ “Stairway to discovery: a report on the CMS programme of cross section measurements from millibarns to femtobarns"
[CMS-SMP-23-004](https://cms-results.web.cern.ch/cms-results/public-results/publications/SMP-23-004/index.html), Submitted to PR, [arXiv:2405.18661](https://arxiv.org/abs/2405.18661) (2024-05-29).
* 1318 $−$ “Search for a standard model-like Higgs boson in the mass range between 70 and 110 GeV in the diphoton final state in proton-proton collisions at $\sqrt{s}=$ 13 TeV"
[CMS-HIG-20-002](https://cms-results.web.cern.ch/cms-results/public-results/publications/HIG-20-002/index.html), Submitted to PLB, [arXiv:2405.18149](https://arxiv.org/abs/2405.18149) (2024-05-28).
* 1317 $−$ “Review of searches for vector-like quarks, vector-like leptons, and heavy neutral leptons in proton-proton collisions at $\sqrt{s}=$ 13 TeV at the CMS experiment"
[CMS-EXO-23-006](https://cms-results.web.cern.ch/cms-results/public-results/publications/EXO-23-006/index.html), Submitted to PR, [arXiv:2405.17605](https://arxiv.org/abs/2405.17605) (2024-05-27).
* 1316 $−$ “Study of WH production through vector boson scattering and extraction of the relative sign of the W and Z couplings to the Higgs boson in proton-proton collisions at $\sqrt{s}=$ 13 TeV"
[CMS-HIG-23-007](https://cms-results.web.cern.ch/cms-results/public-results/publications/HIG-23-007/index.html), Submitted to PLB, [arXiv:2405.16566](https://arxiv.org/abs/2405.16566) (2024-05-26).
* 1315 $−$ “Searches for violation of Lorentz invariance in $t\overline{t}$ production using dilepton events in proton-proton collisions at $\sqrt{s}=$ 13 TeV"
[CMS-TOP-22-007](https://cms-results.web.cern.ch/cms-results/public-results/publications/TOP-22-007/index.html), Submitted to PLB, [arXiv:2405.14757](https://arxiv.org/abs/2405.14757) (2024-05-23).
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[CMS-EXO-23-005](https://cms-results.web.cern.ch/cms-results/public-results/publications/EXO-23-005/index.html), Submitted to PR, [arXiv:2405.13778](https://arxiv.org/abs/2405.13778) (2024-05-22).
* 1313 $−$ “Search for CP violation in $D^{0}\rightarrow K\_{S}^{0}K\_{S}^{0}$ decays in proton-proton collisions at $\sqrt{s}=$ 13 TeV"
[CMS-BPH-23-005](https://cms-results.web.cern.ch/cms-results/public-results/publications/BPH-23-005/index.html), Submitted to EPJC, [arXiv:2405.11606](https://arxiv.org/abs/2405.11606) (2024-05-19).
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[CMS-B2G-19-001](https://cms-results.web.cern.ch/cms-results/public-results/publications/B2G-19-001/index.html), Submitted to PRD, [arXiv:2405.05071](https://arxiv.org/abs/2405.05071) (2024-05-08).
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[CMS-HIG-22-006](https://cms-results.web.cern.ch/cms-results/public-results/publications/HIG-22-006/index.html), Submitted to JHEP, [arXiv:2404.08462](https://arxiv.org/abs/2404.08462) (2024-04-12).
* 1303 $−$ “The CMS statistical analysis and combination tool: Combine"
[CMS-CAT-23-001](https://cms-results.web.cern.ch/cms-results/public-results/publications/CAT-23-001/index.html), Submitted to CSBS, [arXiv:2404.06614](https://arxiv.org/abs/2404.06614) (2024-04-10).
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* 847 $−$ “Measurements of $t‾$ differential cross sections in proton-proton collisions at $\sqrt{s}=$ 13 TeV using events containing two leptons"
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