

Ioannis Papadopoulos

List of publications (sorted by submission date)

06-06-2020

1. A. M. Sirunyan *et al.* [CMS], “A measurement of the Higgs boson mass in the diphoton decay channel”, Phys. Lett. B **805** (2020), 135425
doi:10.1016/j.physletb.2020.135425 [arXiv:2002.06398 [hep-ex]]. (4 citations / INSPIRE, 04 Jun 2020)
2. A. M. Sirunyan *et al.* [CMS], “Study of excited Λ_b^0 states decaying to $\Lambda_b^0 \pi^+ \pi^-$ in proton-proton collisions at $\sqrt{s} = 13$ TeV”, Phys. Lett. B **803** (2020), 135345
doi:10.1016/j.physletb.2020.135345 [arXiv:2001.06533 [hep-ex]]. (11 citations / INSPIRE, 04 Jun 2020)
3. A. M. Sirunyan *et al.* [CMS], “Search for an excited lepton that decays via a contact interaction to a lepton and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV”, JHEP **05** (2020), 052
doi:10.1007/JHEP05(2020)052 [arXiv:2001.04521 [hep-ex]]. (2 citations / INSPIRE, 04 Jun 2020)
4. A. M. Sirunyan *et al.* [CMS], “Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment”, JHEP **05** (2020), 032
doi:10.1007/JHEP05(2020)032 [arXiv:1912.08887 [hep-ex]]. (10 citations / INSPIRE, 04 Jun 2020)
5. A. M. Sirunyan *et al.* [CMS], “Constraints on the χ_{c1} versus χ_{c2} polarizations in proton-proton collisions at $\sqrt{s} = 8$ TeV”, Phys. Rev. Lett. **124** (2020) no.16, 162002
doi:10.1103/PhysRevLett.124.162002 [arXiv:1912.07706 [hep-ex]]. (2 citations / INSPIRE, 04 Jun 2020)
6. A. M. Sirunyan *et al.* [CMS], “Search for a narrow resonance lighter than 200 GeV decaying to a pair of muons in proton-proton collisions at $\sqrt{s} = 13$ TeV”, Phys. Rev. Lett. **124** (2020) no.13, 131802
doi:10.1103/PhysRevLett.124.131802 [arXiv:1912.04776 [hep-ex]]. (5 citations / INSPIRE, 04 Jun 2020)
7. A. M. Sirunyan *et al.* [CMS], “Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13$ TeV”, JINST **15** (2020) no.02, P02027
doi:10.1088/1748-0221/15/02/P02027 [arXiv:1912.03516 [physics.ins-det]]. (3 citations / INSPIRE, 04 Jun 2020)
8. A. M. Sirunyan *et al.* [CMS], “Search for a heavy Higgs boson decaying to a pair of W bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV”, JHEP **03** (2020), 034
doi:10.1007/JHEP03(2020)034 [arXiv:1912.01594 [hep-ex]]. (9 citations / INSPIRE, 04 Jun 2020)
9. A. M. Sirunyan *et al.* [CMS], “A search for the standard model Higgs boson decaying to charm quarks”, JHEP **03** (2020), 131
doi:10.1007/JHEP03(2020)131 [arXiv:1912.01662 [hep-ex]]. (7 citations / INSPIRE, 04 Jun 2020)
10. A. M. Sirunyan *et al.* [CMS], “Measurement of the top quark pair production cross section in dilepton final states containing one τ lepton in pp collisions at $\sqrt{s} = 13$ TeV”, JHEP **02** (2020), 191
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11. A. M. Sirunyan *et al.* [CMS], “Search for lepton flavour violating decays of a neutral heavy Higgs boson to $\mu\tau$ and $e\tau$ in proton-proton collisions at $\sqrt{s} = 13$ TeV”, JHEP **03** (2020), 103
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12. A. M. Sirunyan *et al.* [CMS], “Search for supersymmetry in pp collisions at $\sqrt{s} = 13$ TeV with 137 fb^{-1} in final states with a single lepton using the sum of masses of large-radius jets”, Phys. Rev. D **101** (2020) no.5, 052010
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13. A. M. Sirunyan *et al.* [CMS], “Search for physics beyond the standard model in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV”, JHEP **03** (2020), 051
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14. A. M. Sirunyan *et al.* [CMS], “Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at $\sqrt{s} = 13$ TeV”, JHEP **05** (2020), 033
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15. A. M. Sirunyan *et al.* [CMS], “Measurement of the jet mass distribution and top quark mass in hadronic decays of boosted top quarks in pp collisions at $\sqrt{s} = 13$ TeV”, Phys. Rev. Lett. **124** (2020) no.20, 202001
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16. A. M. Sirunyan *et al.* [CMS], “Search for dijet resonances using events with three jets in proton-proton collisions at $\sqrt{s} = 13$ TeV”, Phys. Lett. B **805** (2020), 135448
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17. A. M. Sirunyan *et al.* [CMS], “Observation of the $\Lambda_b^0 \rightarrow J/\psi \Lambda \phi$ decay in proton-proton collisions at $\sqrt{s} = 13$ TeV”, Phys. Lett. B **802** (2020), 135203
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18. A. M. Sirunyan *et al.* [CMS], “Search for new neutral Higgs bosons through the $H \rightarrow ZA \rightarrow \ell^+ \ell^- b \bar{b}$ process in pp collisions at $\sqrt{s} = 13$ TeV”, JHEP **03** (2020), 055
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19. A. M. Sirunyan *et al.* [CMS], “Search for top squark pair production in a final state with two tau leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV”, JHEP **02** (2020), 015
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20. A. M. Sirunyan *et al.* [CMS], “Measurement of properties of $B_s^0 \rightarrow \mu^+ \mu^-$ decays and search for $B^0 \rightarrow \mu^+ \mu^-$ with the CMS experiment”, JHEP **04** (2020), 188
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21. A. M. Sirunyan *et al.* [CMS], “Search for a heavy pseudoscalar Higgs boson decaying into a 125 GeV Higgs boson and a Z boson in final states with two tau and two light leptons at $\sqrt{s} = 13$ TeV”, JHEP **03** (2020), 065
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25. A. M. Sirunyan *et al.* [CMS], “Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV”, JINST **15** (2020) no.05, P05002
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27. A. M. Sirunyan *et al.* [CMS], “Search for long-lived particles using delayed photons in proton-proton collisions at $\sqrt{s} = 13$ TeV”, Phys. Rev. D **100** (2019) no.11, 112003
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28. A. M. Sirunyan *et al.* [CMS], “Evidence for WW production from double-parton interactions in proton–proton collisions at $\sqrt{s} = 13$ TeV”, *Eur. Phys. J. C* **80** (2020) no.1, 41
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30. A. M. Sirunyan *et al.* [CMS], “Search for electroweak production of a vector-like T quark using fully hadronic final states”, *JHEP* **01** (2020), 036
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34. A. M. Sirunyan *et al.* [CMS], “Search for a charged Higgs boson decaying into top and bottom quarks in events with electrons or muons in proton-proton collisions at $\sqrt{s} = 13$ TeV”, *JHEP* **01** (2020), 096
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35. A. M. Sirunyan *et al.* [CMS], “Search for supersymmetry using Higgs boson to diphoton decays at $\sqrt{s} = 13$ TeV”, *JHEP* **11** (2019), 109
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36. A. M. Sirunyan *et al.* [CMS], “Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV”, *Eur. Phys. J. C* **80** (2020) no.2, 75
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41. A. M. Sirunyan *et al.* [CMS], “Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at $\sqrt{s} = 13$ TeV”, *JHEP* **04** (2020), 171
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