

Общий список

Статьи:

1. Tumasyan A. et al. (CMS Collaboration). Observation of $t\bar{t}$ production in the single-lepton channel in pp collisions at $\sqrt{s} = 13$ TeV // JHEP 11: 111, 2021. DOI: 10.1007/JHEP11(2021)111. ППНД = $5,810 \cdot 30 \cdot 0,007 = 1,22$
2. Tumasyan A. et al. (CMS Collaboration). Measurement of differential $t\bar{t}$ production cross sections in the full kinematic range using lepton+jets events from proton-proton collisions at $\sqrt{s} = 13$ TeV // Phys.Rev.D104: 9, 092013, 2021. DOI: 10.1103/PhysRevD.104.092013. ППНД = $5,296 \cdot 30 \cdot 0,007 = 1,11$
3. Lee K. et al. (CMS Collaboration). Probing effective field theory operators in the associated production of top quarks with a Z boson in multilepton final states at $\sqrt{s} = 13$ TeV // JHEP 12: 83, 2021. DOI: 10.1007/JHEP12(2021)083. ППНД = $5,810 \cdot 30 \cdot 0,007 = 1,22$
4. Tumasyan A. et al. (CMS Collaboration). Search for new particles in events with energetic jets and large missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV // JHEP 11: 153, 2021. DOI: 10.1007/JHEP11(2021)153. ППНД = $5,810 \cdot 30 \cdot 0,007 = 1,22$
5. Tumasyan A. et al. (CMS Collaboration). Search for chargino-neutralino production in events with Higgs and W bosons using 137 fb⁻¹ of proton-proton collisions at $\sqrt{s} = 13$ TeV // JHEP 10: 45, 2021. DOI: 10.1007/JHEP10(2021)045. ППНД = $5,810 \cdot 30 \cdot 0,007 = 1,22$
6. Tumasyan A. et al. (CMS Collaboration). Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at $\sqrt{s} = 13$ TeV // Eur.Phys.J.C81: 11, 970, 2021. DOI: 10.1140/epjc/s10052-021-09721-5. ППНД = $4,590 \cdot 30 \cdot 0,007 = 0,96$
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8. Tumasyan A. et al. (CMS Collaboration). Measurements of the Electroweak Diboson Production Cross Sections in Proton-Proton Collisions at $\sqrt{s} = 5.02$ TeV Using Leptonic Decays // Phys.Rev.Lett. 127: 19, 191801, 2021. DOI: 10.1103/PhysRevLett.127.191801. ППНД = $9,161 \cdot 30 \cdot 0,007 = 1,92$
9. Tumasyan A. et al. (CMS Collaboration). Measurement of the electroweak production of $Z\gamma$ and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV and constraints on anomalous quartic gauge couplings // Phys.Rev.D104: 72001, 2021. DOI: 10.1103/PhysRevD.104.072001. ППНД = $5,296 \cdot 30 \cdot 0,007 = 1,11$
10. Tumasyan A. et al. (CMS Collaboration). Search for a heavy Higgs boson decaying into two lighter Higgs bosons in the $\tau\tau$ final state at 13 TeV // JHEP 11: 57, 2021. DOI: 10.1007/JHEP11(2021)057. ППНД = $5,810 \cdot 30 \cdot 0,007 = 1,22$
11. Tumasyan A. et al. (CMS Collaboration). Study of Z boson plus jets events using variables sensitive to double-parton scattering in pp collisions at 13 TeV // JHEP 10: 176, 2021. DOI: 10.1007/JHEP10(2021)176. ППНД = $5,810 \cdot 30 \cdot 0,007 = 1,22$
12. Tumasyan A. et al. (CMS Collaboration). Measurements of the pp $t\bar{t} Z\gamma$ cross sections at $\sqrt{s} = 13$ TeV and limits on anomalous quartic gauge couplings // JHEP 10: 174, 2021. DOI: 10.1007/JHEP10(2021)174. ППНД = $5,810 \cdot 30 \cdot 0,007 = 1,22$
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16. Sirunyan A. et al. (CMS Collaboration). Constraints on anomalous Higgs boson couplings to vector bosons and fermions in its production and decay using the four-lepton final state // Phys.Rev.D104: 5, 052004, 2021. DOI: 10.1103/PhysRevD.104.052004. $\text{IPHD} = 5,296 \cdot 30 \cdot 0,007 = 1,11$
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27. Sirunyan A. et al. (CMS Collaboration). Measurements of angular distance and momentum ratio distributions in three-jet and Z + two-jet final states in pp collisions // Eur.Phys.J.C81: 852, 2021. DOI: 10.1140/epjc/s10052-021-09570-2. $\text{IPHD} = 4,590 \cdot 30 \cdot 0,007 = 0,96$
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Итого: $\text{IPHD} = 176,48$

