

Marco Guzzi - List of Publications

1. A. E. Faraggi and M. Guzzi, “ Z' s and sterile neutrinos from heterotic string models: exploring Z' mass exclusion limits,” *Eur. Phys. J. C* **82**, no.7, 590 (2022) doi:10.1140/epjc/s10052-022-10539-y [arXiv:2204.11974 [hep-ph]].
2. S. Amoroso, A. Apyan, N. Armesto, R. D. Ball, V. Bertone, C. Bissolotti, J. Bluemlein, R. Boughezal, G. Bozzi and D. Britzger, *et al.* “Snowmass 2021 whitepaper: Proton structure at the precision frontier,” [arXiv:2203.13923 [hep-ph]].
3. K. Xie, M. Guzzi and P. Nadolsky, “Probing heavy-flavor parton distribution functions at hadron colliders,” [arXiv:2203.06207 [hep-ph]].
4. J. L. Feng, F. Kling, M. H. Reno, J. Rojo, D. Soldin, L. A. Anchordoqui, J. Boyd, A. Ismail, L. Harland-Lang and K. J. Kelly, *et al.* “The Forward Physics Facility at the High-Luminosity LHC,” [arXiv:2203.05090 [hep-ex]].
5. M. Guzzi, K. Xie, T. J. Hou, P. Nadolsky, C. Schmidt, M. Yan and C. P. Yuan, “CTEQ-TEA group updates: Photon PDF and Impact from heavy flavors in the CT18 global analysis,” *PoS EPS-HEP2021*, 370 (2022) doi:10.22323/1.398.0370 [arXiv:2110.11495 [hep-ph]].
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7. M. Guzzi, T. Hobbs, T. J. Hou, X. Jing, K. Xie, A. Courtoy, S. Dulat, J. Gao, J. Huston and P. M. Nadolsky, *et al.* “NNLO constraints on proton PDFs from the SeaQuest and STAR experiments and other developments in the CTEQ-TEA global analysis,” *SciPost Phys. Proc.* **8**, 005 (2022) doi:10.21468/SciPostPhysProc.8.005 [arXiv:2108.06596 [hep-ph]].
8. M. Guzzi, P. Nadolsky and K. Xie, “Impact of heavy-quark production measurements in the CT18 global QCD analysis of PDFs,” *SciPost Phys. Proc.* **8**, 164 (2022) doi:10.21468/SciPostPhysProc.8.164 [arXiv:2108.01791 [hep-ph]].
9. N. Kidonakis, M. Guzzi and N. Yamanaka, “ tW and tZ' production at hadron colliders,” *SciPost Phys. Proc.* **8**, 064 (2022) doi:10.21468/SciPostPhysProc.8.064 [arXiv:2106.12910 [hep-ph]].
10. D. Anderle, M. Dasgupta, B. K. El-Menoufi, J. Helliwell and M. Guzzi, “Groomed jet mass as a direct probe of collinear parton dynamics,” *Eur. Phys. J. C* **80**, no.9, 827 (2020) doi:10.1140/epjc/s10052-020-8411-y [arXiv:2007.10355 [hep-ph]].
11. T. J. Hou, J. Gao, T. J. Hobbs, K. Xie, S. Dulat, M. Guzzi, J. Huston, P. Nadolsky, J. Pumplin and C. Schmidt, *et al.* “New CTEQ global analysis of quantum chromodynamics with high-precision data from the LHC,” *Phys. Rev. D* **103**, no.1, 014013 (2021) doi:10.1103/PhysRevD.103.014013 [arXiv:1912.10053 [hep-ph]].
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