

List of Publications

Jonathan L. Feng

17,000 citations, $h = 73$ (INSPIRE, June 2019, excluding Reviews of Particle Physics)

- 149. FASER: FORWARD SEARCH EXPERIMENT AT THE LHC, submitted as input to the European Strategy for Particle Physics Update 2018-20, FASER Collaboration, A. Ariga *et al.*, including J. L. Feng, arXiv:1901.04468 [hep-ex].
- 148. TECHNICAL PROPOSAL FOR FASER: FORWARD SEARCH EXPERIMENT AT THE LHC, FASER Collaboration, A. Ariga *et al.*, including J. L. Feng, arXiv:1812.09139 [physics.ins-det].
- 147. FASER'S PHYSICS REACH FOR LONG-LIVED PARTICLES, FASER Collaboration, A. Ariga *et al.*, including J. L. Feng, arXiv:1811.12522 [hep-ph].
- 146. LETTER OF INTENT FOR FASER: FORWARD SEARCH EXPERIMENT AT THE LHC, FASER Collaboration, A. Ariga *et al.*, including J. L. Feng, arXiv:1811.10243 [physics.ins-det].
- 145. ALPs AT FASER: THE LHC AS A PHOTON BEAM DUMP, J. L. Feng, I. Galon, F. Kling, S. Trojanowski, Phys. Rev. **D98**, 055021 (2018), arXiv:1806.02348 [hep-ph].
- 144. FASER AND THE SEARCH FOR LIGHT, WEAKLY-INTERACTING PARTICLES, J. L. Feng, in *Proceedings of the Simons Symposium on Illuminating Dark Matter*, Schloss Elmau, Germany, 13-19 May 2018, eds. R. Essig, J. L. Feng, K. Zurek (Springer, Berlin, 2019).
- 143. DARK HIGGS BOSONS AT FASER, J. L. Feng, I. Galon, F. Kling, S. Trojanowski, Phys. Rev. **D97**, 055034 (2018), arXiv:1710.09387 [hep-ph].
- 142. FASER: FORWARD SEARCH EXPERIMENT AT THE LHC, J. L. Feng, I. Galon, F. Kling, S. Trojanowski, Phys. Rev. **D97**, 035001 (2018), arXiv:1708.09389 [hep-ph].
- 141. IMPACT OF RESONANCE ON THERMAL TARGETS FOR INVISIBLE DARK PHOTON SEARCHES, J. L. Feng, J. Smolinsky, Phys. Rev. **D96**, 095022 (2017), arXiv:1707.03835 [hep-ph].
- 140. PARTICLE PHYSICS MODELS FOR THE 17 MEV ANOMALY IN BERYLLIUM NUCLEAR DECAYS, J. L. Feng, B. Fornal, I. Galon, S. Gardner, J. Smolinsky, T. M. P. Tait, P. Tanedo, Phys. Rev. **D95**, 035017 (2017), arXiv:1608.03591 [hep-ph].
- 139. HEAVY BINO DARK MATTER AND COLLIDER SIGNALS IN THE MSSM WITH VECTOR-LIKE 4TH-GENERATION PARTICLES, M. Abdullah, J. L. Feng, B. Lillard, S. Iwamoto, Phys. Rev. **D94**, 095018 (2016), arXiv:1608.00283 [hep-ph].

- 138. PROTOPHOBIC FIFTH FORCE INTERPRETATION OF THE OBSERVED ANOMALY IN ^8Be NUCLEAR TRANSITIONS, J. L. Feng, B. Fornal, I. Galon, S. Gardner, J. Smolinsky, T. M. P. Tait, P. Tanedo, Phys. Rev. Lett. **117**, 071803 (2016), arXiv:1604.07411 [hep-ph].
- 137. DARK SUNSHINE: DETECTING DARK MATTER THROUGH DARK PHOTONS FROM THE SUN, J. L. Feng, J. Smolinsky, P. Tanedo, Phys. Rev. **D93**, 115036 (2016), arXiv:1602.01465 [hep-ph].
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- 135. DARK PHOTONS FROM THE CENTER OF THE EARTH: SMOKING-GUN SIGNALS OF DARK MATTER, J. L. Feng, J. Smolinsky, P. Tanedo, Phys. Rev. **D93**, 015014 (2016), arXiv:1509.07525 [hep-ph].
- 134. LONG-LIVED SLEPTONS AT THE LHC AND A 100 TeV PROTON COLLIDER, J. L. Feng, S. Iwamoto, Y. Shadmi, S. Tarem, JHEP **12**, 166 (2015), arXiv:1505.02996 [hep-ph].
- 133. SIMPLE DARK MATTER: SELF-INTERACTIONS AND KEV LINES, K. K. Boddy, J. L. Feng, M. Kaplinghat, Y. Shadmi, T. M. P. Tait, Phys. Rev. **D90**, 095016 (2014), arXiv:1408.6532 [hep-ph].
- 132. SELF-INTERACTING DARK MATTER FROM A NON-ABELIAN HIDDEN SECTOR, K. K. Boddy, J. L. Feng, M. Kaplinghat, T. M. P. Tait, Phys. Rev. **D89**, 115017 (2014), arXiv:1402.3629 [hep-ph].
- 131. ISOSPIN-VIOLATING DARK MATTER BENCHMARKS FOR SNOWMASS 2013, J. L. Feng, J. Kumar, D. Marfatia, D. Sanford, in *Proceedings of the Community Summer Study on the Future of U.S. Particle Physics (Snowmass 2013)*, Minnesota, 29 July – 6 August 2013, arXiv:1307.1758 [hep-ph].
- 130. THREE-LOOP CORRECTIONS TO THE HIGGS BOSON MASS AND IMPLICATIONS FOR SUPERSYMMETRY AT THE LHC, J. L. Feng, P. Kant, S. Profumo, D. Sanford, Phys. Rev. Lett. **111**, 131802 (2013), arXiv:1306.2318 [hep-ph].
- 129. XENOPHOBIC DARK MATTER, J. L. Feng, J. Kumar, D. Sanford, Phys. Rev. **D88**, 015021 (2013), arXiv:1306.2315 [hep-ph].
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