List of publications

Books

1. **D. Baye, M. Dufour and B. Fuks**, *Quantum Mechanics, a general introduction illustrated by solved exercises* (in French), ISBN: 978-2-3400-1937-9, Ellipses Editions (2017).
2. **B. Fuks and M. Rausch de Traubenberg**, *Supersymmetry, exercises and solutions* (in French), ISBN: 978-2-7298-6318-0, Ellipses Editions (2011).

Scientific publications

3. **B. Fuks, M. D. Goodsell and T. Murphy**, *Monojets from compressed weak frustrated dark matter*, arXiv:2409.03014 [hep-ph] (submitted to PRD).
4. **B. Fuks, F. Marugas, R. Ruiz and A. Sztandera**, *Hard processes in multi-TeV ion collisions*, arXiv:2405.19399 [hep-ph] (submitted to PRD).
5. **L. Darmé, B. Fuks, H. L. Li, M. Maltoni, O. Mattelaer and J. Touchèque**, *Boosting Beyond: A Novel Approach to Probing Top-Philic Resonances at the LHC*, arXiv:2404.14482 [hep-ph] (submitted to PRD).
6. **D. Agin, B. Fuks, M. D. Goodsell and T. Murphy**, *Seeking a coherent explanation of LHC excesses for compressed spectra*, arXiv:2404.12423 [hep-ph] (submitted to EPJC).
7. **A. Feike, J. Fiaschi, B. Fuks, M. Klasen and A. Puck Neuwirth**, *Combination and reinterpretation of LHC SUSY searches*, JHEP **07** (2024) 122.
8. **P. Dehghani, M. Frank and B. Fuks**, *Collider imprint of vector-like leptons in light of anomalous magnetic moment and neutrino data*, arXiv:2403.11862 [hep-ph] (submitted to EPJC).
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10. **M. Frank, B. Fuks, A. Jueid, S. Moretti and Ö. Özdal**, *A novel search strategy for right-handed charged gauge bosons at the Large Hadron Collider*, JHEP **02** (2024) 150.
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14. **G. Aad *et al.* [The ATLAS Collaboration]**, *Search for Majorana neutrinos in same-sign WW scattering events from pp collisions at* $\sqrt{s} = 13$ *TeV*, Eur. Phys. J. C **83** (2023) 824.
15. **J. Fiaschi, B. Fuks, M. Klasen and A. Neuwirth**, *Electroweak superpartner production at 13.6 TeV with Resummino*, Eur. Phys. J. C **83** (2023) 707.
16. **L. Darmé, C. Degrande, C. Duhr, B. Fuks, M. Goodsell *et al.***, *UFO 2.0 – The Universal Feynman Output format*, Eur. Phys. J. C **83** (2023) 631.
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18. **A.H. Ajjath, B. Fuks, H.S. Shao and Y. Simon**, *Precision predictions for exotic lepton production at the Large Hadron Collider*, Phys. Rev. D **107** (2023) 075011.
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