

My Publications

- [1] L. Morejon. *New Interaction Models of Ultra-high-energy Cosmic Rays from a Nuclear Physics Approach*. PhD thesis, Humboldt Universität zu Berlin, nov 2020.
- [2] Leonel Morejon, Xavier Rodrigues, Annika Rudolph, Shan Gao, and Walter Winter. Nuclear gamma-ray emission from Centaurus A revisited with numerical models. in preparation (a).
- [3] Leonel Morejon, Jonas Heinze, Anatoli Fedynitch, and Walter Winter. Extragalactic propagation of super-heavy UHECR nuclei (working title). in preparation (b).
- [4] L. Morejon, A. Fedynitch, D. Boncioli, D. Biehl, and W. Winter. Improved photomeson model for interactions of cosmic ray nuclei. *Journal of Cosmology and Astroparticle Physics*, (11):007–007, 2019.
- [5] Leonel Morejon. AstroPhoMes: Photomeson models for UHECR interactions with photons, 2019.
- [6] Daniel Biehl, Denise Boncioli, Anatoli Fedynitch, Leonel Morejon, and Walter Winter. Astrophysical neutrino production and impact of associated uncertainties in photo-hadronic interactions of UHECRs. *EPJ Web of Conferences*, 208:04002, 2019.
- [7] S. Singh, R. Versaci, A. Laso Garcia, L. Morejon, A. Ferrari, M. Molodtsova, R. Schwengner, D. Kumar, and T. Cowan. Compact high energy x-ray spectrometer based on forward Compton scattering for high intensity laser plasma experiments. *Review of Scientific Instruments*, 89(8):085118, aug 2018.
- [8] Leonel Morejon, Sabrina Bechet, Roberto Versaci, Veronika Olšovcová, and Sofia Rollet. Radiation Shielding of X-rays and Protons at ELI Beamlines. In *SATIF 2016*, pages 233–242, Dresden, 2018. OECD NEA.
- [9] Nikhil Shetty, Alberto Fasso, Gabriele Grittani, Leonel Morejon, Veronika Olšovcová, and Roberto Versaci. Radiation Shielding of Electron Beamlines at ELI Beamlines. In *SATIF 2016*, pages 224–232, Dresden, 2018. OECD NEA.
- [10] S. Weber, S. Bechet, S. Borneis, L. Brabec, M. Bučka, E. Chacon-Golcher, M. Ciappina, M. DeMarco, A. Fajstavr, K. Falk, E. R. Garcia, J. Grosz, Y. J. Gu, J. C. Hernandez, M. Holec, P. Janečka, M. Jantač, M. Jirka, H. Kadlecova, D. Khikhlukha, O. Klimo, G. Korn, D. Kramer, D. Kumar, T. Lastovička, P. Lutoslawski, L. Morejon, V. Olšovcová, M. Rajdl, O. Renner, B. Rus, S. Singh, M. Šmid, M. Sokol, R. Versaci, R. Vrána, M. Vranic, J. Vyskočil, A. Wolf, and Q. Yu. P3: An installation for high-energy density plasma physics and ultra-high intensity laser–matter interaction at ELI-Beamlines, jul 2017.
- [11] V Vlachoudis and L Morejon Hernandez. Energy deposition profile for modification proposal of ISOLDE’s HRS Beam Dump, from FLUKA simulations. Technical report, CERN, Geneva, jun 2014.
- [12] V Vlachoudis and L Morejon Hernandez. Energy deposition profile on ISOLDE Beam Dumps by FLUKA simulations. Technical report, CERN, Geneva, jun 2014.