

Rapport d'activité LPNHE 2022–2023

Liste de publications du groupe GRAND

- [1] S. Chiche, O. Martineau-Huynh, K. Kotera et al. « Radio-Morphing : a fast, efficient and accurate tool to compute the radio signals from air-showers ». *37th International Cosmic Ray Conference*. Mars 2022, 194, p. 194. DOI : [10.22323/1.395.0194](https://doi.org/10.22323/1.395.0194). arXiv : [2202.05886](https://arxiv.org/abs/2202.05886) [[astro-ph.IM](#)].
- [2] Simon Chiche, Kumiko Kotera, Olivier Martineau-Huynh et al. « Polarisation signatures in radio for inclined cosmic-ray induced air-shower identification ». *Astroparticle Physics* 139, 102696 (juin 2022), p. 102696. DOI : [10.1016/j.astropartphys.2022.102696](https://doi.org/10.1016/j.astropartphys.2022.102696). arXiv : [2202.06846](https://arxiv.org/abs/2202.06846) [[astro-ph.HE](#)].
- [3] Valentin Decoene, Olivier Martineau-Huynh et Matias Tueros. « Radio wavefront of very inclined extensive air-showers : A simulation study for extended and sparse radio arrays ». *Astroparticle Physics* 145, 102779 (mars 2023), p. 102779. DOI : [10.1016/j.astropartphys.2022.102779](https://doi.org/10.1016/j.astropartphys.2022.102779).
- [4] Y. Merckx, P. Correa, K. D. de Vries et al. « Investigating starburst-driven neutrino emission from galaxies in the Great Observatories All-Sky LIRG Survey ». *Phys. Rev. D* 108.2, 023015 (juill. 2023), p. 023015. DOI : [10.1103/PhysRevD.108.023015](https://doi.org/10.1103/PhysRevD.108.023015). arXiv : [2304.01020](https://arxiv.org/abs/2304.01020) [[astro-ph.HE](#)].