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Seznam publikací

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Spoluautor více než 30 článků v recenzovaných časopisech jako člen kolaborace Pierra Augera. V seznamu níže jsou uvedeny pouze "short author list" články a sborníkové příspěvky.

1. Články v recenzovaných časopisech

- [1] A. Bakalová, J. Vícha, and P. Trávníček. “Modification of the dipole in arrival directions of ultra-high-energy cosmic rays due to the Galactic magnetic field”. In: *Journal of Cosmology and Astroparticle Physics* 2023.12, 016 (Dec. 2023), p. 016. DOI: [10.1088/1475-7516/2023/12/016](https://doi.org/10.1088/1475-7516/2023/12/016). arXiv: [2303.08766](https://arxiv.org/abs/2303.08766) [[astro-ph.HE](#)].
- [2] P. Bakala, A. Bakalová, R. La Placa, M. Falanga, and L. Stella. “Extreme amplification regimes of the Schwarzschild gravitational lens”. In: *Astronomy and Astrophysics* 673, A164 (May 2023), A164. DOI: [10.1051/0004-6361/202245426](https://doi.org/10.1051/0004-6361/202245426). **FJFI affiliation:** ..
- [3] P. Assis, A. Bakalová, U. Barres de Almeida, P. Brogueira, R. Conceição, A. De Angelis, L. Gibilisco, B. S. González, A. Guillén, G. La Mura, L. M. D. Mendes, L. F. Mendes, M. Pimenta, R. C. Shellard, B. Tomé, and J. Vícha. “The Mercedes water Cherenkov detector”. In: *European Physical Journal C* 82.10, 899 (Oct. 2022), p. 899. DOI: [10.1140/epjc/s10052-022-10857-1](https://doi.org/10.1140/epjc/s10052-022-10857-1). arXiv: [2203.08782](https://arxiv.org/abs/2203.08782) [[physics.ins-det](#)].

2. Sborníkové příspěvky

- [4] A. Bakalová, J. Vícha, and P. Trávníček. “Single source scenario describing the very end of the cosmic ray energy spectrum”. In: *European Physical Journal Web of Conferences*. Vol. 283. European Physical Journal Web of Conferences. Oct. 2023, 02016, p. 02016. DOI: [10.1051/epjconf/202328302016](https://doi.org/10.1051/epjconf/202328302016).
- [5] R. Conceição, P. Assis, F. Assunção, A. Bakalová, U. Barres de Almeida, C. Roque Bom, J. Correia, A. De Angelis, L. O. Dias, B. Serrano González, A. Guillén, G. La Mura, N. Lourenço, P. Machado, S. Marques, L. Mendes, M. Pimenta, R. Shellard, B. Tomé, and J. Vícha. “Gamma/hadron discrimination using a small-WCD with four PMTs”. In: *37th International Cosmic Ray Conference*. Vol. ICRC2021. Mar. 2022, 707, p. 707. DOI: [10.22323/1.395.0707](https://doi.org/10.22323/1.395.0707).
- [6] A. Bakalová, J. Vícha, and P. Trávníček. “Features of a single source describing the very end of the energy spectrum of cosmic rays”. In: *Proceedings of 37th International Cosmic Ray Conference — PoS(ICRC2021)*. Vol. 395. 2021, p. 363. DOI: [10.22323/1.395.0363](https://doi.org/10.22323/1.395.0363).
- [7] A. Bakalová, P. Trávníček, and J. Vícha. “Constraints on the origin of the UHECR dipole anisotropy outside the Galaxy”. In: *40th International Conference on High Energy Physics*. Apr. 2021, 618, p. 618. DOI: [10.5636/jgg.27.363](https://doi.org/10.5636/jgg.27.363).
- [8] A. Bakalová, P. Trávníček, and J. Vícha. “Influence of Galactic magnetic field on large scale anisotropies of ultra-high energy cosmic rays”. In: *36th International Cosmic Ray Conference (ICRC2019)*. Vol. 36. International Cosmic Ray Conference. July 2019, 183, p. 183. DOI: [10.22323/1.358.0183](https://doi.org/10.22323/1.358.0183).