

## Научно-исследовательский институт физики

Главный научный сотрудник

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##### **A magnetized Galactic halo from inner Galaxy outflows**

Felix Aharonian, He-Shou Zhang, Gabriele Ponti, Ettore Carretti, Ruo-Yu Liu, Mark R. Morris, Marijke Haverkorn, Nicola Locatelli, Xueying Zheng, Hai-Ming Zhang, Yi Zhang, Giovanni Stel,

Andrew Strong, Michael C. H. Yeung, Andrea Merloni

Nature Astronomy 2025 1416-1428

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##### **Acceleration of Ultra-high-energy Cosmic Rays in the Kiloparsec-scale Jets of Nearby Radio Galaxies**

Felix A. Aharonian, Jie-Shuang Wang, Brian Reville, Frank M. Rieger

Astrophysical Journal Letters 2025 L20

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##### **Detection of very high-energy gamma-ray emission from Eta Carinae during its 2020 periastron passage**

F. Aharonian, V. Sahakian, et al. (HESS collaboration)

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##### **The H.E.S.S. extragalactic sky survey with the first decade of observations**

F. Aharonian, V. Sahakian, et al. (HESS collaboration)

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**Curvature in the very-high energy gamma-ray spectrum of M 87**

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**TeV flaring activity of the AGN PKS 0625-354 in November 2018**

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Felix Aharonian, Dmitry Khangulyan, Andrew M. Taylor

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**The hunt for PeVatrons as the origin of the most energetic photons observed in the Galaxy**

Felix Aharonian, Emma de Oña Wilhelmi, Ruben López-Coto, Elena Amato, Zhen Cao, Stefano Gabici,

Jim Hinton

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**Acceleration and transport of relativistic electrons in the jets of the microquasar SS 433**

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**Search of extended emission from HESS J1702-420 with eROSITA**

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**High-Statistics Measurement of the Cosmic-Ray Electron Spectrum with H.E.S.S.**

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**Cassiopeia A**

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**Line profile of nuclear de-excitation gamma-ray emission from very hot plasma**

Feliqs Aharonian, Hiroki Yoneda, Paolo Coppi, Thomas Siegert, Tadayuki Takahashi

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