

Ֆիզիկայի գիտահետազոտական ինստիտուտ  
Գլխավոր գիտական աշխատող

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### **On the Properties of Inverse Compton Spectra Generated by Upscattering a Power-law Distribution of Target Photons**

Felix Aharonian, Dmitry Khangulyan, Andrew M. Taylor

Astrophysical Journal 2023 186

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### **On the Nature of the Energy-dependent Morphology of the Composite Multi-TeV Gamma-Ray Source J1702-204**

Felix Aharonian, Denys Malyshev, Maria Chernyakova

Astrophysical Journal 2023 147

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### **The Vanishing of the Primary Emission Region in PKS 1510-089**

F. Aharonian, V. Sahakian, etc

Astrophysical Journal Letters 2023 L38

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### **The Formation of Hard Very High Energy Spectra from Gamma-ray Burst Afterglows via Two-zone Synchrotron Self-Compton Emission**

Felix Aharonian, Andrew M. Taylor, Dmitry Khangulyan

Astrophysical Journal 2023 87

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### **Constraining the cosmic-ray pressure in the inner Virgo Cluster using H.E.S.S. observations of M 87**

F. Aharonian, V. Sahakian, etc

Astronomy and Astrophysics 2023 A138

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### **New estimation of the nuclear de-excitation line emission from the supernova remnant Cassiopeia A**

Felix Aharonian, Bing Liu, Rui-zhi Yang, Xin-yu He

Monthly Notices of the Royal Astronomical Society 2023 5248 - 5253

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

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

Monthly Notices of the Royal Astronomical Society 2023 1460-1470

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**Discovery of a radiation component from the Vela pulsar reaching 20 teraelectronvolts**  
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