

Publications

Article

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

Article

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

Article

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

F. Aharonian, V. Sahakian, etc

Astrophysical Journal Letters 2023 L38

Article

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

Article

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

Article

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

Article

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

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

Monthly Notices of the Royal Astronomical Society 2023 1460-1470

Article

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

F. Aharonian, V. Sahakian, other 178

