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Ultra-High Energy Phenomena in Hyper-Accreting Microquasars

Friday, 21 March 2025 11:55 (35 minutes)

I will discuss ultra-high-energy phenomena in microquasars and their close environments, with a particular focus on compact binaries characterized by super-Eddington accretion rates. The recent detection of UHE gamma-ray halos from some of these objects could be a clue for understanding the origin of galactic cosmic rays in the most problematic part of the spectrum beyond the “knee” around a few PeV.

Presenter: AHARONIAN, Felix (MPIK/DIAS)

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