

X-Ray Polarization in Blazars

Wednesday 17 September 2025 14:00 (15 minutes)

The Imaging X-Ray Polarimetry Explorer (IXPE), launched in December 2021, has opened a new window on relativistic jets. In this talk, I will review results of IXPE and co-ordinated multi-wavelength observations of blazars. Highlights are the strong evidence for a leptonic origin of the high-energy emission in low-synchrotron-peaked blazars as well as indications of energy stratification in the jets of high-synchrotron-peaked blazars. Unexpected results, such as polarization-angle swings in the optical without corresponding counterpart features in X-rays, and vice versa, continue to pose new puzzles.

Author: BOETTCHER, Markus

Presenter: BOETTCHER, Markus

Session Classification: AGN

Track Classification: Active Galactic Nuclei