

Contribution ID: 62

Type: Talk

MHD Accretion Disk Winds and the Blazar Sequence

Wednesday, 23 January 2019 16:30 (20 minutes)

The launch of Fermi produced a significant number of AGN detections to allow statistical treatment of their properties. It confirmed the Blazar Sequence" established by EGRET and indicated a potentially novel one, namely that of theBlazar Divide" in FSRQs and BL Lacs according to their gamma-ray spectral index and luminosity. An MHD accretion wind model that describes the distribution of matter and magnetic fields in AGN over 5-6 decades in radius and provides a successful account of the Seyfert X-ray absorber properties, provides the vestiges of an account of the observed blazar classification in terms of a single parameter. We propose a model which reproduces in detail the broadband blazar spectra and their statistical properties in terms of the physical parameters of these MHD winds.

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Session Classification: Modeling

Track Classification: Main track