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MHD Accretion Disk Winds and the Blazar Sequence

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Fermi telescope has detected a significant number of AGNs to allow statistical treatment of their properties. Among others, it confirmed the "Blazar Divide" in FSRQs and BL Lacs according to their gamma-ray spectral index and luminosity. We investigate this classification by proposing a model which reproduces in detail the broadband blazar spectra and their statistical properties based on the physical parameters of their MHD accretion disk winds. This model describes the distribution of matter and magnetic fields in AGN at least over 5 decades in radius and it provides the vestiges of an account of the observed blazar classification in terms of a single parameter, their mass accretion rate.

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