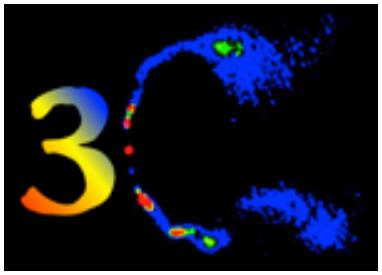

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Gamma-emission and variability: Beaming in Radiogalaxies

Friday, 20 September 2019 16:10 (20 minutes)

Unification suggests that Blazars are beamed, jet-on oriented radio-galaxies.
The phenomenological distinction between Blazars and Radiogalaxies was originally established before gamma-ray observations revealed efficient Compton-cooling in Blazars. A growing sample of radio-galaxies with extended jets that do not appear highly beamed in radio-studies have been detected at very high gamma-ray energies and exhibit variability comparable to typical Blazars. This leads to a reassessment of estimates of relativistic beaming in radio-galaxies. Gamma-ray spectra and variability properties of radio-galaxies are compared to beaming models, suggesting that the common opening angle of emitting zones in single sources is considerably wider then suggested in unification models.

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