

Joint Gaia-VLBI analysis as a key to the physics of AGN nuclei

We have shown that VLBI-Gaia positional offsets for AGN are not entirely random, but have a preferable direction along the VLBI jet. This anisotropy is interpreted as a manifestation of long and bright parsec-scale optical jets co-spatial to radio jets. Adding information on optical classes, color and polarization into the analysis, we were able to separate AGN with dominant disk and jet emission. They show opposite offset directions. These observables open a new window of opportunity to study the black hole - disk - jet system at the sub-parsec and parsec scales for hundreds of AGN.

**Monday, March 22nd**

3:30 - 4:30 p.m.

See website for Zoom details

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