

A view into the AGN jets with ALMA polarimetry

Wednesday, 28 January 2026 11:53 (17 minutes)

The ALMA observatory is unprecedented in terms of high quality polarimetric observations at mm and sub-mm wavelengths. With its ~ 1 arcsecond resolution, ALMA can help us study the large scale (kpc) jets of AGN and possibly even untangle their magnetic field structure. I present brightness and polarization maps of M87 and characterize the key observational aspects of the jet, while at the same time exploring what the predictions of different models can tell us about the underlying physics.

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Session Classification: Session 2