

Accretion mode and properties of the jet base in AGN

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Content

Nearby radio galaxies are the ideal targets for VLBI studies aimed at exploring the regions surrounding the supermassive black hole at the center of AGN. In this talk I will present results from millimeter and centimeter VLBI studies of several misaligned jets, focusing on the relation between the accretion mode, efficient vs. inefficient, and the observed properties of the jet base on scales of 10^2 - 10^5 Schwarzschild radii from the black hole. Jets of different power, previously unexplored due to their faintness, are examined to investigate aspects such as the absorption induced by the circumnuclear material, the magnetization at the jet base, and the extent of the jet collimation region.

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