

High-resolution imaging of the multiphase AGN-driven outflow of NGC1068.

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Abstract

We analyze Atacama Large Millimeter Array (ALMA) observations of the CO(6–5) molecular line and the 432 μm continuum emission from the circumnuclear disk (CND) and the putative torus of the Seyfert 2 galaxy NGC 1068. The kinematics of both the CND and the torus show non-circular motions that are caused by outflows from the AGN. We compare the ALMA data with high-resolution near-infrared integral field spectroscopy of the molecular H₂ 1–0S(1) line and some ionized species obtained with the VLT, and investigate the multiphase nature of the different ISM components of this prototypical AGN-driven outflow. (See poster).