

The circumnuclear ring of NGC1614 from multiwavelength observations

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Abstract

The Luminous Infrared Galaxy NGC1614 hosts a prominent circumnuclear ring of star formation. However, the nature of the dominant emitting mechanism in its central ~ 100 pc is still under debate. We present sub-arcsecond angular resolution radio, mid-infrared, Pa α , optical, and X-ray observations of NGC 1614, aimed at studying in detail both the circumnuclear ring and the nuclear region. We conclude that there is no need to invoke an AGN to explain the observed bolometric properties of the galaxy.