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国台学术报告 NAOC COLLOQUIUM

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Time: Wednesday 2:30 PM, Jun. 17 Location: A601 NAOC

An X-ray View of the Galactic Center: An Observer's Collection of Unresolved Problems

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Zhiyuan Li is a Professor of Astronomy at Nanjing University. He obtained his Ph.D. degree at the University of Massachusetts in 2009. He was then a postdoctoral fellow at the Smithsonian Astrophysical Observatory and an Assistant Researcher at the Physics and Astronomy Department of UCLA, before joining the faculty of NJU in 2013. His research has been focused on high-energy phenomena on galactic and extragalactic scales, using a multi-wavelength approach. His recent interest includes the Galactic center and nuclei of nearby galaxies.

Abstract

Professor Li will present an overview of the X-ray-related phenomena in the Galactic Center -- the closest accessible nucleus of a massive galaxy -- focusing on the innermost parsecs observed by Chandra and XMM-Newton. Of particular interest are the nonthermal (flaring) and thermal (extended) emission from Sgr A*, the mixed-morphology supernova remnant Sgr A East, dozens of nonthermal filaments, and a large, heterogeneous collection of stellar sources embedded within a putative outflow of hot gas. He will also highlight open questions in each of these components and report our recent and on-going effort in addressing some of these issues.

All are welcome! Tea, coffee, biscuits will be served at 2:15 PM.