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TIME: Wednesday, 2:30 PM, June 05, 2013 **LOCATION: A601 NAOC**

A Deep Chandra Look at the Bondi Region of the Supermassive Black Hole in NGC3115

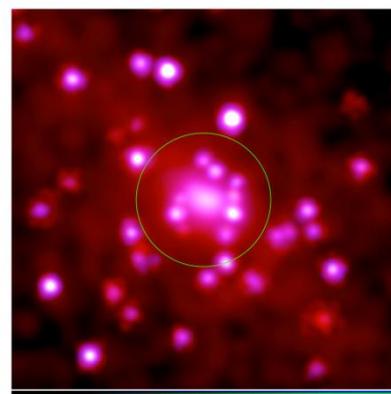


Prof. Jimmy Irwin (University of Alabama)

Professor Irwin received his PhD from the University of Virginia in 1997 before beginning 2-year postdoc position at the University of Michigan with Professor Joel Bregman. He was then awarded a Chandra Fellowship which he took at the University Michigan. Following seven years as a research scientist at Michigan, he accepted an assistant professor position at the University of Alabama in 2009. His research interests include hot gas in galaxies and clusters, black holes, and high energy astrophysics.

Abstract

The accretion mechanism of quiescent supermassive black holes is still the topic of considerable controversy. It is currently unknown whether the extremely low luminosities of Sgr A* as well as many other galaxies is due to matter flowing into the black hole releasing very little radiation, or if most matter flowing into the Bondi region of the black hole is unable to make it to near the event horizon. Determining the temperature and especially the density profiles of gas within the Bondi region of a black hole places powerful constraints on the accretion mechanism in very low L_X black holes. Here, I present our ongoing analysis of the hot gas within the Bondi region of the >1 billion solar mass black hole at the center of the S0 galaxy NGC3115, as part of our 1 Msec Chandra X-ray Visionary Project observation of this galaxy.



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

You are welcome to nominate speakers to Weimin Yuan (wmy@nao.cas.cn), Mei Zhang (zhangmei@bao.ac.cn), Licai Deng (licai@bao.ac.cn), Xuelei Chen (xuelei@cosmology.bao.ac.cn), Shude Mao (smao@nao.cas.cn)