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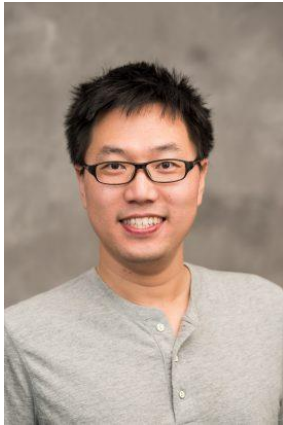
国台学术报告 NAOC COLLOQUIUM

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Time: Wednesday 2:30 PM, Sep. 25th **Location: A601, NAOC**

What Is Beyond the “Visible” Galaxy?

Dr. Jiangtao Li
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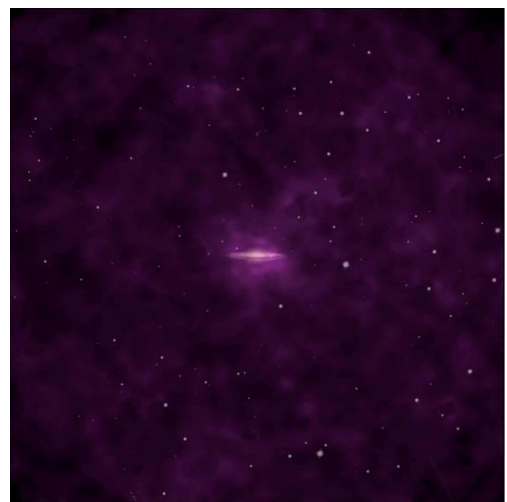


Dr. Jiangtao Li is currently an assistant research scientist in the Department of Astronomy of University of Michigan, Ann Arbor, U.S.A.. He received his Ph.D. in astronomy in June 2010 from the Department of Astronomy of Nanjing University, China, jointly supervised by Prof. Q. Daniel Wang in University of Massachusetts, Amherst and Prof. Yang Chen in Nanjing University. He then did his postdoctoral research with Prof. Q. Daniel Wang in the Department of Astronomy of University of Massachusetts, Amherst, U.S.A. from September 2010 to July 2012, with Dr. Anne

Decourchelle at Service d'Astrophysique, CEA, Saclay, France from July 2012 to October 2014, and with Prof. Joel N. Bregman in the Department of Astronomy of University of Michigan, Ann Arbor, U.S.A. from November 2014 to January 2018.

Abstract

Beyond the stellar light of the galaxy which is visible in broad-band optical emission, there exist multi-phase gases, dust, cosmic ray, and magnetic field, which more or less fill in the dark matter halo or even to larger scale. These matters are often called the circum-galactic medium (CGM), which play a critical role in the co-evolution of galaxies and their environments. I will briefly overview the basic observational methods and key results of existing multi-wavelength observations of the multi-phase



CGM. I will show that although the CGM is ubiquitous around nearby galaxies, the physics related to the CGM, as well as the role of CGM in galaxy formation and evolution, are still poorly understood. Some new observations with future space- and/or ground-based facilities will help us to better understand the CGM.

All are welcome ; Tea and coffee will be served at 2:15 PM.