

国台学术报告 NAOC COLLOQUIUM

2012 年 第 72 次 / Number 72, 2012

TIME: Wednesday, 3:00 PM, Dec. 26, 2012 **LOCATION: A601 NAOC**

DSS-GAC -- a Digital Sky Survey of the Galactic Anti-center

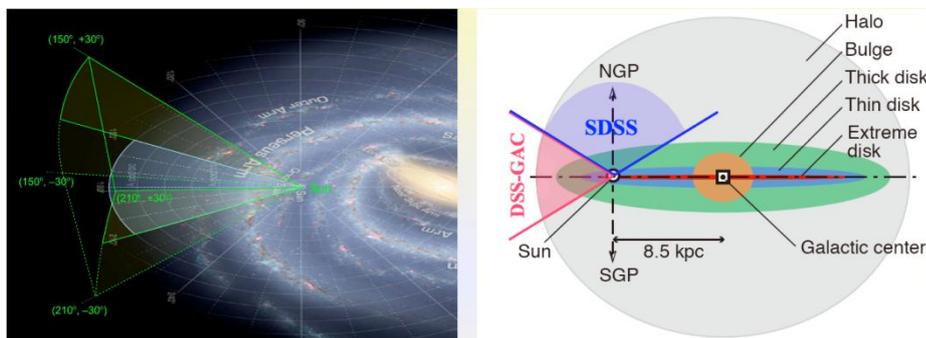


Xiaowei Liu (Peking University)

Xiaowei Liu is a Cheung Kong Scholar and professor of astronomy at Peking University. He received his PhD degree in 1992 from the Beijing Astronomical Observatory (now NAOC). He then joined the Department of Physics and Astronomy, University College London, first as a postdoctoral, then as a senior research fellow. He joined the faculty of Department of Astronomy of Peking University in 2000. He is currently serving as the Acting Director of the Kavli Institute for Astronomy and Astrophysics at Peking University and is a vice president of the IAU. His main research interest is in spectroscopic observations and theoretical analyses of emission line nebulae, with an emphasis on the physical processes and radiative mechanisms governing photoionized low-density astrophysical plasmas. Studies of emission line nebulae yield information of stellar nucleosynthesis and the enrichment of the interstellar medium, and of the chemical evolution of galaxies. Currently, Prof. Liu is leading a large spectroscopic survey towards the Galactic anticenter using the newly built Chinese Large Sky Area Multi-object Spectroscopic Telescope (LAMOST).

Abstract

In this talk, I will present the motivations, design and implementation of DSS-GAC -- a Digital Sky Survey of the Galactic Anti-center, experiences learned from the pilot survey completed early this year, and the current status of the project, including data quality and reduction, as well as stellar parameter determinations. Opportunities and challenges facing the project will be stressed.



All are welcome! Tea, coffee, biscuits will be served at 2:45 P.M.

You are welcome to nominate speakers to Shude Mao (shude.mao@gmail.com), Licai Deng (licai@bao.ac.cn), Xuelei Chen (xuelei@cosmology.bao.ac.cn).