

# 国台学术报告 NAOC COLLOQUIUM

2013 年 第 06 次 / Number 06, 2013

**TIME: Wednesday, 2:30 PM, Feb. 27, 2013**      **LOCATION: A601 NAOC**

## Cross-Correlations between Cosmic Microwave Background & Large Scale Structure

**Dr. Junqing Xia (IHEP)**

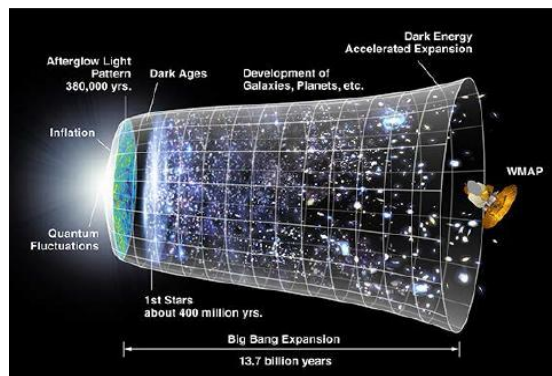


Dr. Junqing Xia is an Associate Professor at the Key Laboratory of Particle Astrophysics, Institute of High Energy Physics, Chinese Academy of Sciences. He got his PhD of IHEP in 2008. He went on to the International School for Advanced Studies in Trieste as a postdoctoral fellow from 2008 to 2010, as a Contract Researcher from 2010 to 2012. His main research areas are Dark Energy

Theory, Determination of Cosmological Parameters, CPT Symmetry Testing, Integrated Sachs-Wolfe Effect, Primordial Non-Gaussianity....

### Abstract

Anisotropies in cosmic microwave background (CMB) data contain precious information on the large scale structure (LSS) that formed at much lower redshift, which can be studied and detected by cross-correlating CMB data with tracers of the LSS such as galaxies or quasars. In this talk, I will present the analyses of auto-/cross-correlations of SDSS QSO, LRG and NVSS radio samples with the WMAP temperature map in detail and use these data as a cosmological tool to study dark energy and primordial non-gaussianity.



*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, Jan-Mar), Mei Zhang (zhangmei@bao.ac.cn, Apr-Jun), Licai Deng (licai@bao.ac.cn, Jul -Sep), Xuelei Chen (xuelei@cosmology.bao.ac.cn, Oct -Dec).