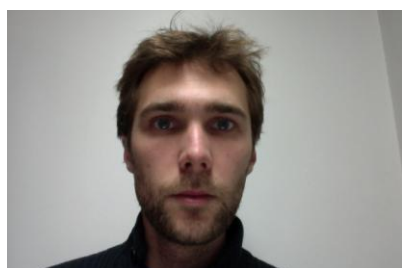


国台学术报告 NAOC COLLOQUIUM

2012 年 第 69 次 / Number 69, 2012

TIME: Wednesday, 3:00 PM, Dec. 12, 2012 **LOCATION: A601 NAOC**

Type Ia spectral analysis with The Nearby Supernovae Factory

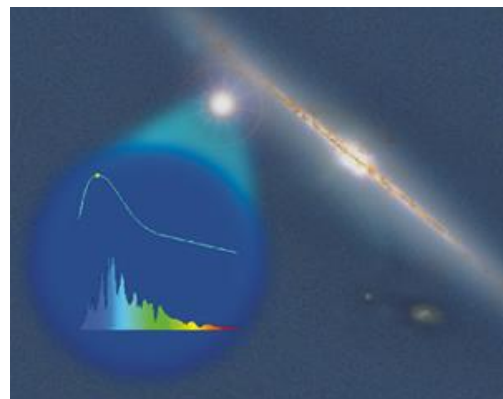


Nicolas Chotard (Tisinghua)

Dr. Nicolas Chotard is a postdoctor in the center for astrophysics of TsingHua university (THCA) with Charling Tao. He got his PhD degree in Astrophysics and Cosmology from University Claude Bernard Lyon 1 in 2011. Then he joined the THCA at the end of 2011. His main research areas are observational cosmology with Snfactory and spectral analysis of type Ia supernovaeResearch Areas.

Abstract

After a short introduction on type Ia supernovae (SNe Ia) as cosmological tools and astronomical object, I will present the Nearby Supernova Factory (SNfactory) project and its current data sample. This sample, currently containing more than 200 SNe Ia with a total of more than 3000 spectrophotometric spectra, is a gold mine for all sort of spectral analysis. This talk, mainly



focusing on a few of these analysis, will present some recent results obtained with the Snfactory data sample on spectral analysis around maximum light, and their application to SNe Ia standardization.

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).