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Searching for Supernovae with Small-Size Telescopes in China

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Dr. Xiaofeng Wang is Professor of Physics Department at Tsinghua University. He got his PhD. in 2002 at Beijing Normal University. Since then he worked as a postdoctoral researcher and research scientist at NAOC, UC Berkeley, and Texas A&M University. In 2010 he became a tenure-track associate professor at Tsinghua University. His main research interest includes the supernovae (and their progenitors), their application in cosmology, and transient astronomy.

Abstract

Supernovae represent the death of stars, and are one of the most energetic explosive events in the universe. They are related to diverse aspects in astrophysics, e.g., from stellar evolution to chemical enrichment of the universe. In particular, type Ia supernovae play an important role in observational cosmology.

In this talk, I will introduce the supernova survey network that we are trying to establish with some small-size telescopes in China. As the first node of this project, Tsinghua-NAOC Transient Survey (TNTS), has successfully discovered over 50 SNe and lots of other transient sources (e.g., novae, variables, and AGNs) in the first year operation. I will also describe the follow-up observations of supernovae and present some highlight results of our program.



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)