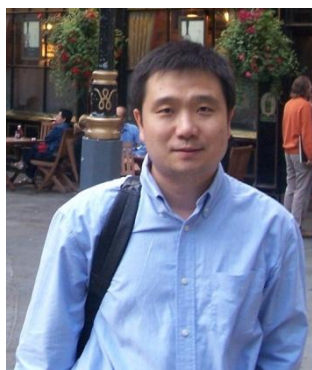


# 国台学术报告 NAOC COLLOQUIUM

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**TIME: Wednesday, 3:00 PM, Nov. 28, 2012**      **LOCATION: A601 NAOC**

## Open Questions in GRB Physics

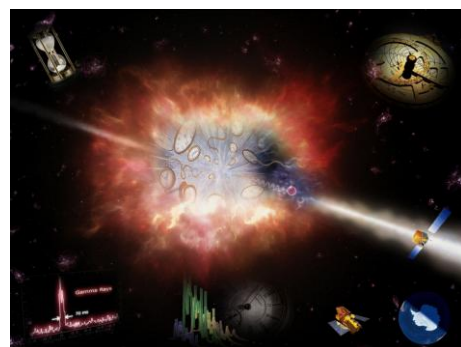


### Bing Zhang (University of Nevada Las Vegas)

Prof. Bing Zhang is a full professor in the Department of Physics and Astronomy, University of Nevada Las Vegas (UNLV), and a Cheung Kong Scholar and visiting professor in Kavli Institute of Astronomy and Astrophysics and Department of Astronomy, Peking University. He got his PhD degree from Peking University in 1997. Starting from 1998, he was employed by NASA Goddard Space Flight Center, Pennsylvania State University, and (briefly) Canadian Institute of Theoretical Astrophysics as a research associate, before taking a faculty position in UNLV in 2004. Prof. Zhang has published more than 200 papers in professional journals and has more than 10000 citations, including more than 3000 citations to first-author papers. His main research interest is high energy astrophysics, especially gamma-ray bursts and their afterglows. He is a member of NASA's GRB mission team, Swift, and the Chinese-French joint GRB mission, SVOM.

### Abstract

The current open questions in the field of gamma-ray bursts are reviewed, which include progenitor, central engine, jet composition, jet dissipation mechanism, radiation mechanism, and origin of afterglow. In particular, I will discuss how new observational data demand shift of paradigm of the standard theoretical framework. Prospects in the multi-messenger era will be discussed.



*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](mailto:shude.mao@gmail.com)), Licai Deng ([licai@bao.ac.cn](mailto:licai@bao.ac.cn)), Xuelei Chen ([xuelei@cosmology.bao.ac.cn](mailto:xuelei@cosmology.bao.ac.cn)).