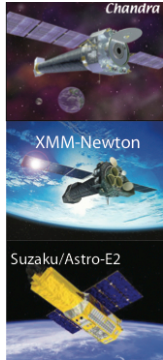


High-Energy Astrophysics: An Advanced School for Asian Astronomers

A COSPAR Capacity Building Workshop

Sept. 2nd - 13th, 2013, Xuyi, Jiangsu, China



Workshop Objectives

- Introduce scientists to high energy astrophysics and multi-wavelength opportunities
- Develop knowledge of the XMM-Newton, Chandra, and Suzaku data archives
- Train scientists in the techniques required to access and analyse data from X-ray archives
- Introduce scientists to X-ray instrumentation applicable to operating future X-ray missions
- Train scientists in the use of X-ray analysis software
- Provide a general overview of possibilities provided by future space-based missions

Topics of the Workshop

- Basic theoretical concepts of High Energy Astrophysics
- Statistics: basic concepts and applications
- High Energy Satellites: past, present and future
- Software for high-energy data analysis: installation, usage, and basic scripting
- High energy data analysis
 - Accessing archival databases for spectral, timing & imaging data
 - Reduction and analysis of spectroscopic, timing & imaging data
 - Simultaneous analysis of data from multiple detectors & wavebands
- Basics of writing a scientific paper and an observational proposal

Lectures

- Keith Arnaud, CRESST, NASA, USA
- Tomaso Belloni, INAF-OAB, Italy
- Carlos Gabriel, ESA, Spain
- Matteo Guainazzi, ESA, Spain
- Mariano Mendez, KAI, The Netherlands
- Michael Nowak, MIT, USA
- Randall Smith, SAO/CfA, USA
- Yukikatsu Terada, Saitama Univ., Japan
- Peter Willmore, Univ. of Birmingham, UK
- Yongquan Xue, USTC, China

Target Participants

PhD students, postdocs and young faculty member from developing countries in the Asian region, who are either in X-ray fields or with emphasis on multi-wavelength opportunities, are welcome to apply for the workshop. The total number of attendants, however, will be limited to 30.

LOC Members

Li Ji, PMO, CAS, (Chair)
Yizhong Fan, PMO, CAS
Siming Liu, PMO, CAS
Haibing Zhao, PMO, CAS
Bing Jiang, Nanjing University
Jingying Wang, Shanghai Jiaotong Univ.

Shijun Lei, PMO, CAS
Xin Zhou, PMO, CAS
Shuinai Zhang, PMO, CAS
Yueyue Li, PMO, CAS
Hongling Chen, PMO, CAS
Yi Song, PMO, CAS
Benyun Hong, PMO, CAS

SOC Members

Mariano Mendez, KAI, The Netherlands
- COSPAR (Chair)
Carlos Gabriel, ESAC, ESA, Spain
- COSPAR (Co-Chair & Coordinator)
Álvaro Giménez, ESA, Spain
Kwong Sang Cheng, Hongkong University
Tiepei Li, Tsinghua University
Shuangnan Zhang, High Energy Institution, CAS
Weimin Yuan, NAO, CAS
Qingzhong Liu, PMO, CAS
Qiusheng Gu, Nanjing University
Xiangdong Li, Nanjing University
Yang Chen, Nanjing University
Haiguang Xu, Shanghai Jiao Tong University
Jin Chang, PMO, CAS
Daming, Wei, PMO, CAS
Weiqun, Gan, PMO, CAS
Ian Corbett, IAU, France
Neil Gehrels, Goddard Space Flight Center, USA
Hans Haubold, UN/OOSA
Robert Missotten, UNESCO, Paris, France
Randall Smith, SAO/CfA
Takaya Ohashi Tokyo Metropolitan University, Japan
Peter Willmore, University of Birmingham, UK-COSPAR

Deadline for registration: **June 20th, 2013**

Deadline for financial support request: **June 10th, 2013**

For more information, please visit:

<http://cospar2013xos.csp.escience.cn>

