

Exploring the dynamic X-ray Universe Forum

6 May 2014

Introduction

Chair Roger Bonnet

09:00–09:10	Welcome and Introduction to ISSI-BJ	Maurizio Falanga
09:10–09:20	Goals of the Forum and its interdisciplinary view	Weimin Yuan
09:20–09:30	Introduction to the China Space Science Program	Wu Ji

Session I **Overviews of X-ray all-sky monitoring and missions** **Chair** Maurizio Falanga

09:30–10:00	General review on high energy all-sky monitoring	Neil Gehrels
10:00–10:30	MAXI	Masaru Matsuoka
10:30–11:00	<i>Coffee break</i>	
11:00–11:20	Einstein Probe	Weimin Yuan
11:20–11:40	Lobster mission proposal	Neil Gehrels
11:40–12:00	Free Discussion	
12:00–13:30	<i>Lunch</i>	

Session II **Science of X-ray all-sky monitoring: extragalactic** **Chair** Julian Osborne

13:30–13:50	Tidal disruption events	Stefanie Komossa
13:50–14:10	Jetted TDE and GRB	Paul O'Brien
14:10–14:30	High-z GRB	Luigi Piro
14:30–15:00	Science of extragalactic transients & variables with Einstein Probe	Xuefeng Wu
15:00–15:20	Free Discussion	
15:20–15:50	<i>Coffee break</i>	

Session II **Science of X-ray all-sky monitoring: Galactic** **Chair** Shuang-Nan Zhang

15:50–16:20	Overview on Galactic transients	Phil Charles
16:20–16:50	Science of Galactic transients & variables with Einstein Probe	Xiangdong Li
16:50–17:20	Free Discussion	
18:00	<i>Dinner offered by ISSI-BJ</i>	

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Session III: Synergy with multi-messenger facilities

Chair Paul O'Brien

08:30–08:50	Detection of gravitational wave events	Patrick Sutton
08:50–09:10	EM sources of gravitational wave events	Bing Zhang
09:10–09:30	Search for EM sources of GW events	Julian Osborne
09:30–09:50	The GRB gamma-ray polarimeter POLAR and Shuang-Nan Zhang possible coordinated observations	
09:50–10:00	Free Discussion	
10:00–10:30	<i>Coffee Break</i>	

Session IV: Instruments and capability required

Chair Weimin Yuan

10:30–10:50	MPO optics for wide-field X-ray imaging	Dick Willingale
10:50–11:10	Telescopes for wide-field monitoring and follow-up	Chen Zhang
11:10–11:30	Focal plane detectors	Hua Feng
11:30–11:50	A wide-band, coded-mask X-ray image	Marco Feroci
11:50–12:00	Free Discussion	
12:00–13:30	<i>Lunch</i>	

Session V: Discussion

Chair Roger Bonnet

13:30–16:30	Free Discussion	
	- Key science goals of Einstein Probe	
	- Design & instruments	
	- Observation strategy, alert triggering and fast downlink (VHF network)	
	<i>Coffee Break (30min)</i>	
	- International collaboration	
	- ESA-CAS joint small mission	
16:30–17:00	Forum report - Outline, structure, publication of the forum report	Maurizio Falanga
17:00–17:15	Summary of the Forum	
	End of the Forum	
18:00	<i>Dinner offered by NAOC</i>	

Note: The time interval includes 5 minutes discussion