2014 KIAA-PKU Astrophysics Forum

"TMT in China: Scientific and Technological Frontiers"

November 2-4, 2014
Kavli Institute for Astronomy and Astrophysics, Peking University
http://kiaa.pku.edu.cn/astroforum14/

Sunday, Nov 2, 2014 Registration 08:00 - 09:00		
Session I: Opening Remarks (
09:00 – 09:05 Luis Ho 09:05 – 09:10 Enge Wang, PKU 09:10 – 09:20 Jiansheng Chen 09:20 – 09:30 Jun Yan		
Session II: TMT and Synergy with Other Large Facilities Chair: Gang Zhao		
<u> </u>	Chinese large optical telescopes: current states and future The Thirty Meter Telescope: A Golden Opportunity	
10:50 – 11:10 Coffee Break		
11:10 – 11:50 Di Li (I)	The Status of Science Preparation for FAST and Possible Synergy Between FAST and TMT	
11:50 – 12:10 Yu Gao (I)	The Status and Operation of the JCMT by EAO and Synergy with the TMT	
12:10 – 12:30 Weimin Yuan	Synergy between TMT and Einstein Probe	
12:30 – 14:00 Lunch Break		
Session III Cosmology & Galaxy Formation Chair: Xinmin Zhang		
14:40 – 15:20 Qi Guo (I)	Tell the Nature of Dark Matter with Observations of Surroundings of High-z Galaxies Simulating the Local Group in the context of LCDM cosmology Confronting Cold Dark Matter Cosmology with Galaxy Observations	
16:00 – 16:30 Coffee Break		
16:30 – 17:00 Hu Zhan (I)	 A Large-scale Optical Survey under China Manned Space Program	
17:00 – 17:40 Gongbo Zhao (I) 17:40 – 18:00 Emanuele Contini	=	
18:00 - 18:30 Discussion Chair: Taotao Fang		

Session IV: AGN & High-z Universe Chair: Jinming Bai		
	Broad-Line Regions in Active Galactic Nuclei Studying high-z Quasars with Optical/Near-infrared Spectroscopy	
10:20 – 11:00 Tinggui Wang (I)	Feeding and Feedback of AGNs	
11:00 - 11:30 Coffee Break		
11:30 – 12:10 Taotao Fang (I) 12:10 – 12:30 Jicheng Cui (I)	The Circumgalactic Medium and the Intergalactic Medium 高精度衍射光栅制造技术	
12:30 – 14:00 Lunch Break		
Session IV: AGN & High-z Universe Chair: Tinggui Wang		
14:00 – 14:40 Linhua Jiang (I)		
14:40 – 15:00 Yongquan Xue (I) 15:00 – 15:20 Fei Yang	Photometric Redshifts in the Hawaii-Hubble Deep Field-North Overview of the Prototype Giant Steerable Science Mirror (GSSMP) of TMT	
15:20 – 15:40 Zhongwen Hu (I)	` ' '	
15 :40 – 16:10 Coffee Break		
16:10 – 16:50 Yue Shen (I)	Highlights from the SDSS-RM Project and Prospects with TMT	
16:50 – 17:10 Huaidong Yang 17:10 – 17:30 Zhuoxi Huo	TMT Instrumentation Preparetion: Science Flow-Down Space Variant Deconvolution Based on Adaptive Interpolation of Kernel Matrix and its Application in Object Reconstruction	
17:30 – 18:00 Discussion <i>Chair: Yue Shen</i>		
18:30 – Banquet at KIAA		
Tuesday, Nov 4, 2014		
Session V: Planets & Stars Chair : Eric Peng		
09:00 – 09:40 Jilin Zhou (I)	Formation of Planetary Architecture and Related Observations	
09:40 – 10:20 Xiaofeng Wang (I) 10:20 – 10:40 Kai Wei (I)	Time-Domain Sciences in the TMT Era TMT Laser Guide Star Facility Design Current Status	

10:40 – 11:10 Coffee Break		
11:10 – 11:50 Feng Tian (I) 11:50 – 12:10 Yi Zheng (I) 12:10 – 12:30 Jiwei Xie	TMT for Solar System Science NIAOT Preparations for TMT Segment Fabrication Using TMT to Characterize Transiting Planetary Systems Detected by Kepler and TESS Planet	
12:30 – 14:00 Lunch Break		
Session V: Planets & Stars Chair: Jilin Zhou		
14:00 – 14:40 Gregory Herczeg (I) 14:40 – 15:20 Subo Dong (I) 15:20 – 15:40 Kai Zhang (I)	Star and Planet Formation with the TMT New exoplanet windows opened up by TMT Current states of TMT - IRIS and its image slicer	
15:40 – 16:10 Coffee Break		
16:10 – 16:50 Eric Peng (I) 16:50 – 17:10 Richard de Grijs 17:10 – 17:30 Haibo Yuan	Studying Fossil Stellar Populations With TMT The Stellar Initial Mass Function in the Era of TMT A New Method for Color Calibration to a Few mmag Accuracy, the Recalibration of Stripe 82 and Implications on Binary Studies	
17:30 – 18:00 Discussion Chair: Subo Dong		
18:00 – 18:30 Closing Remarks Suijian Xue and Luis Ho		

40-minute invited (I) talks are 30 min talk + 10 min questions.
20 minute invited (I) and contributed talks are 15 min talk + 5 min questions.

English is the preferred language for presentations, but Chinese is acceptable.