

TMT Science Forum 2017

Breakout session: Near-infrared Multi-Object Spectroscopy

Draft program (2017 Nov 01)

Wednesday, 8 November, 14:00 – 17:30

14:00	Introductions	
14:10	Science cases for TMT NIR MOS in 2027+	Mark Dickinson (NOAO) + discussion
14:30	Dissecting various stages of disc galaxy formation using TMT	Sonali Sachdeva (IUCAA)
14:45	Discovering Dark Matter with Very Large Telescope Observations of Kinetically Heated Neutron Stars	Joseph Bramante (Queens University)
15:00	Star formation under extreme environmental conditions	Jessy Jose (KIAA/PKU)
15:15	TMT Cosmic Web Imager	Christopher Martin (Caltech)
15:30	break (30m)	
16:00	IRMS	Bahram Mobasher (UC Riverside)
16:15	TMT-AGE	Masayuki Akiyama (Tohoku University)
16:30	TGAS: The TMT Galaxy Assembly Spectrograph	Michael Pierce (Univ. of Wyoming)
16:45	E-ELT MOSAIC and other facilities	Suresh Sivanandam (Univ. of Toronto)
17:00	Discussion: IRMS-like vs. 2nd-generation design?	
17:30	conclude	

Thursday, 9 November, 09:00 – 12:00

09:00	Star Formation in the Extended Halo Dominated Regions of Galaxy Disks	Mousumi Das (IIA)
09:15	Role of recent and ongoing star formation in the stellar mass growth of early-type galaxies	Koshy George (IIA)
09:30	Discussion: design options; implications of AM2+GLAO	
10:00	Discussion: Mapping science cases to instrument requirements.	
10:30	break (30m)	
11:00	Discussion: TMT instrumentation white papers; Technical development TBD	
11:30	Prepare presentation for afternoon plenary session	everyone

12:00	conclude	
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