

# Homi Bhabha Centre for Science Education, TIFR, Mankhurd, Mumbai - 400088

## Schedule for NIUS (PHYSICS) Exposure and Nurture Camp 14.1

(June 13 - 28, 2017)

	09:30 - 10:45	10:45 - 11:15	11:15 - 12:30	12:30 - 13:45	13:45 - 15:00	15:00 - 15:30	15:30 - 16:45	16:45 - 17:15	17:15 - 18:30
<b>Tuesday, 13 June</b>	Registration and Introduction	Tea	AK	Lunch	AM	Tea	AM	Snacks	PBP
<b>Wednesday, 14 June</b>	PBP	Tea	AK	Lunch	DB	Tea	DB	Snacks	PBP
<b>Thursday, 15 June</b>	DB	Tea	AK	Lunch	AMS	Tea	PBP	Snacks	AMS
<b>Friday, 16 June</b>	VS	Tea	PP	Lunch	VS	Tea	YW	Snacks	YW
<b>Saturday, 17 June</b>	PP	Tea	YW	Lunch	DKO	Tea	DKO	Snacks	SJ
<b>Sunday, 18 June</b>	FREE DAY								
<b>Monday, 19 June</b>	SJ	Tea	VS	Lunch	Training in Experimental Physics, Session 1				
<b>Tuesday, 20 June</b>	AM	Tea	AM	Lunch	Training in Experimental Physics, Session 2				
<b>Wednesday, 21 June</b>	KRSC + PPP	Tea	SMR	Lunch	Training in Experimental Physics, Session 3				
<b>Thursday, 22 June</b>	AD	Tea	SMR	Lunch	Training in Experimental Physics, Session 4				
<b>Friday, 23 June</b>	SD	Tea	AMJ	Lunch	Training in Experimental Physics, Session 5				
<b>Saturday, 24 June</b>	SD	Tea	AMJ	Lunch	Training in Experimental Physics, Session 6				
<b>Sunday, 25 June</b>	FREE DAY								
<b>Monday, 26 June</b>	KRSC + PPP	Tea	AMJ	Lunch	AD	Tea	AD	Snacks	RBK
<b>Tuesday, 27 June</b>	KRSC + PPP	Tea	KRSC + PPP	Lunch	Discussion on Projects				
<b>Wednesday, 28 June</b>	Evaluation Session			Lunch	Feedback and Vaedictory Session			Snacks	

<b>Initials</b>	<b>Speaker</b>	<b>Title / Topic</b>
AD	Amol Dighe (TIFR, Mumbai)	Neutrino physics
AMS	Ajit Mohan Srivastava (IOP, Bhubaneswar)	Project lecture + Learning science and doing research, '3 idiots' way
AK	Arvind Kumar (HBCSE, Mumbai)	Introduction to Quantum Mechanics
AM	Anwesh Mazumdar (HBCSE, Mumbai)	Stellar Structure, Evolution and Stellar Oscillations
AMJ	Amitabh Joshi (Adelphi University, USA)	Applications of Advanced Optics
DB	Dipankar Banerjee (IIA, Bangalore)	Introduction to the Sun and its Long Term Variation
DKO	D. K. Ojha (TIFR, Mumbai)	The Universe at Infrared Wavelengths and Star Formation in the Milky Way
KRSC	K. R. S. Chandrakumar (BARC, Mumbai)	Many Body Theory in Quantum Mechanics
PBP	Palash Baran Pal (SINP, Kolkata)	Fundamental of Thermodynamics and Statistical Mechanics
PP	Prashant Panigrahi (IISER, Kolkata)	Quantum Computation
PPP	Praveen P. Pathak (HBCSE, Mumbai)	Many Body Theory in Quantum Mechanics
RBK	Rajesh B. Khaparde (HBCSE, Mumbai)	Thinking Behind the Doing and Experimental Problem Solving
SD	Sitikanta Das (IIT, Kharagpur)	Superconductivity
SJ	Sudhir Jain (BARC, Mumbai)	Quantum Mechanics of nonintegrable systems
SMR	S. M. Roy (HBCSE, Mumbai)	Quantum Foundation and Quantum Information
VS	Vijay Singh (UM-DAE CBS, Mumbai)	Many Body Systems
YW	Yogesh Wadadekar ( NCRA, Pune)	Galaxies

**VENUE: Lecture Room No. G4 / G5, Ground Floor, NIUS Facility, HBCSE-TIFR, MUMBAI**