



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

Schedule for NIUS (Physics) Camp 18.1 (December 19 - 30, 2021 and January 4, 2022)

Day and Date	S1: 10:00 - 11:15	S2: 12:00 - 13:15	S3: 14:30 - 15:45	S4: 16:30 - 17:45	S5: 18:30 - 20:00
D1: Sunday, December 19, 2021	Opening Session	AK	AM	AM	Intro. of Students
D2: Monday, December 20, 2021	KRM	AK	YW	RS	AM
D3: Tuesday, December 21, 2021	DB	DB	RS	SSG	AK
D4: Wednesday, December 22, 2021	Infosys Lecture 1 (9:30), Infosys Lecture 2 (10:30), Infosys Award Function (12:00)		MS	PKP	Cultural Evening 1
D5: Thursday, December 23, 2021	ANR	MS	SRJ	VS	JR
D6: Friday, December 24, 2021	PKP	SR + PDB + EVS	AB	DO	-
D7: Saturday, December 25, 2021	HOLIDAY / FREE DAY				
D8: Sunday, December 26, 2021	AMisra	AAB	KB	RBK	-
D9: Monday, December 27, 2021	PKJ	PP	-	MKK	Cultural Evening 2
D10: Tuesday, December 28, 2021	HMA	HMA	ST	Project Discussion Session 1	Project Discussion Session 2
D11: Wednesday, December 29, 2021	AMisra	GL	SH	Project Discussion Session 3	Project Discussion Session 4
D12: Thursday, December 30, 2021	-	RR	AB	Closing Session	-
D13: Tuesday, January 4, 2022	Selection Test 1 (Astronomy) (AM)	Selection Test 2 (Theoretical Physics) (PP)	Selection Test 3 (Experimental Physics) (RBK)	Selection Test 4 (Physics Education Research) (MKK)	-

Details of Speakers and Sessions:

Initials of the Speaker	Name of the Speaker (Affiliation)	Email ID of the Speaker	Title of the Session	HBCSE Contact Person	Area of Selection Test for Projects
AAB	Ameeya Bhagwat (UM-DAE-CEBS, Mumbai)	ameeya@cbs.ac.in	Nuclear Physics	PP	Theoretical Physics
AB	Arnab Bhattacharya (HBCSE, Mumbai)	arnab@hbcse.tifr.res.in	Semiconductor Physics	RBK	Experimental Physics
AK	Arvind Kumar (Former Director, HBCSE, Mumbai)	arvind.kumar1943@gmail.com	Introduction to Quantum Mechanics	AM	-
AM	Anwesh Mazumdar (HBCSE, Mumbai)	anwesh@tifr.res.in	Stellar Structure and Evolution	AM	Astronomy
ANR	A. N. Ramaprakash (IUCAA, Pune)	anr@iucaa.in	Peering through Stardust	AM	Astronomy
AMisra	Anuradha Misra (Mumbai University)	anuradha.misra@gmail.com	Introduction to particle physics	PP	Theoretical Physics
DB	Dipankar Banerjee (ARIES, Nainital)	dipu@aries.res.in	Solar Astrophysics	AM	Astronomy
DO	Divya Oberoi (NCRA, Pune)	div@ncra.tifr.res.in	Viewing the universe with radio eyes	AM	Astronomy

EVS	E.V. Sampathkumaran (HBCSE, Mumbai)	sampathev@gmail.com	Structure and Physical Properties of Exotic Magnets	RBK	Experimental Physics
GL	Govinda Lakhotiya (Bajaj College of Sci., Wardha)	lakhotiya.govinda@gmail.com	Optical and structural characterization of nanomaterials	RBK	Experimental Physics
HMA	H. M. Antia (TIFR, Mumbai)	antia@tifr.res.in	Helioseismology and Asteroseismology	AM	Astronomy
JR	Jayanta Roy (NCRA, Pune)	jroy@ncra.tifr.res.in	Radio Astronomy with the GMRT	AM	-
KB	Kolahal Bhattacharya (HBCSE, Mumbai)	kolahal@hbcse.tifr.res.in	Exploring interesting physics at university level	MKK / PP	PER/Theoretical Physics
KRM	Kaustubh R. Mote (TIFR, Hyderabad)	krmote@tifrh.res.in	Nuclear Magnetic Resonance: Understanding motion at the atomic level	RBK	Experimental Physics
MKK	Mashood K. K. (HBCSE, Mumbai)	mashood@hbcse.tifr.res.in	NEP 2020 - Charting the way forward for physics education	MKK	PER
MS	Manoranjan Singh (RRCAT, Indore)	manoranjanpsingh@gmail.com	Neural Network	PP	Theoretical Physics
PDB	P. D. Babu (UGC-DAE-CSR, Mumbai)	pdbabu@csr.res.in	Structure and Physical Properties of Exotic Magnets - II	RBK	Experimental Physics
PKJ	Paresh K Joshi (HBCSE, Mumbai)	pkjoshi@hbcse.tifr.res.in	Nuclear Data Evaluation and its spin-offs	RBK	Experimental Physics
PKP	Prasanta K Panigrahi (IISER, Kolkata)	panigrahi.iiser@gmail.com	Quantum Information	PP	Theoretical Physics
PP	Praveen Pathak (HBCSE, Mumbai)	praveen@hbcse.tifr.res.in	Experiments using a smartphone	PP	Experimental Physics
RBK	Rajesh B. Khaparde (HBCSE, Mumbai)	rajesh@hbcse.tifr.res.in	Experimental Problem Solving	RBK	Experimental Physics
RR	Raghunathan Ramakrishnan (TIFR, Hyderabad)	ramakrishnan@tifrh.res.in	Numerical Approaches for Quantum Mechanics	PP	Theoretical Physics
RS	Rajdeep Sensarma (TIFR, Mumbai)	sensarma@theory.tifr.res.in	Superconductivity: Phase Transitions and Broken Symmetry	PP	Theoretical Physics
SH	Shamima Hussain (UGC-DAE-CSR, Kalpakkam)	sh@csr.res.in	Microscopy-Basics and Applications in Materials Science	RBK	Experimental Physics
SR	Sudhindra Rayaprol (UGC-DAE-CSR, Mumbai)	sudhindra@csr.res.in	Structure and Physical Properties of Exotic Magnets - I	RBK	Experimental Physics
SRJ	Sudhir R. Jain (BARC, Mumbai)	sudhirr.jain@gmail.com	Quantum Information, Quantum Computation, and Quantum Engineering	PP	Theoretical Physics
SSG	Sandeep S. Ghugre (UGC-DAE-CSR, Kolkata)	ssg@alpha.iuc.res.in	Gamma ray / X-ray Spectroscopy	RBK	Experimental Physics
ST	Shriharsh Tendulkar (TIFR, Mumbai)	shriharsh.tendulkar@tifr.res.in	The search for Fast Radio Bursts and other transients	AM	-
VS	Vijay Singh (UM-DAE-CEBS, Mumbai)	physics.sutra@gmail.com	Surprises in elementary physics	PP	Theoretical Physics
YW	Yogesh Wadadekar (NCRA, Pune)	yogesh@ncra.tifr.res.in	Observational signatures of galaxy evolution	AM	Astronomy