

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

Schedule for NIUS (PHYSICS) Camp 20.1 (July 5 - 17, 2023)

Day and Date	9:30 - 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
Wednesday, July 5, 2023	Registration		Inaugural Session	Lunch Break	KB	Tea Break	RS	Snacks Break	Introduction of Students S1
Thursday, July 6, 2023	ABH	Tea Break	ABH	Lunch Break	VS	Tea Break	VS	Snacks Break	Introduction of Students S2
Friday, July 7, 2023	PP	Tea Break	SM	Lunch Break	AB	Tea Break	RBK	Snacks Break	Art/cultural evening
Saturday, July 8, 2023	Visit to TIFR, Colaba, Mumbai (8.45 Hrs. - 18.00 Hrs.)								
Sunday, July 9, 2023	FREE DAY								
Monday, July 10, 2023	SJ	Tea Break	PP	Lunch Break	Experimental Problem Solving Session 1 (RBK, AMS, DB, VSK)				
Tuesday, July 11, 2023	BD	Tea Break	DD	Lunch Break	Experimental Problem Solving Session 2 (RBK, AMS, DB, VSK)				
Wednesday, July 12, 2023	MS	Tea Break	MS	Lunch Break	Experimental Problem Solving Session 3 (RBK, AMS, DB, VSK)				
Thursday, July 13, 2023	PKP	Tea Break	HB	Lunch Break	Experimental Problem Solving Session 4 (RBK, AMS, DB, VSK)				
Friday, July 14, 2023	SS	Tea Break	KR	Lunch Break	Student Presentations on Experimental Problems				
Saturday, July 15, 2023	AM	Tea Break	MKK	Lunch Break	Project Discussion 1	Tea Break	Project Discussion 2	Snacks Break	Project Discussion 3
Sunday, July 16, 2023	Selection Test 1 (PER)	Tea Break	Selection Test 2 (Theory)	Lunch Break	Selection Test 3 (Experimental Physics)		-	-	-
Monday, July 17, 2023	Review and Feedback	Tea Break	Closing Session	Lunch Break	-				

Details of the Sessions and Speakers / Resource Persons:

Short Code	Name of the Speaker / Resource Person	Institution and City	Title / Topic	HBCSE Contact Person
AB	Ameeya Bhagwat	UM-DAE-CEBS, Mumbai	Porous Medium Equation	PP
ABH	Arnab Bhattacharya	HBCSE, TIFR, Mumbai	1) Experimental Methods and 2) Semiconductors	RBK
AM	Anuradha Mishra	University of Mumbai	Elementary particles and their interactions	PP
AMS	A M Shaker	K J Somaiya College, Mumbai	Experimental Problem Solving	RBK
BD	Basudeb Dasgupta	TIFR, Mumbai	Dark matter	PP
DB	Dhruva Bhattacharjee	APPD, BARC, Mumbai	Experimental Problem Solving	RBK

DD	Deepak Dhar	IISER, Pune	Hard rotors on a d-dimensional lattice	PP
HB	Himadri Barman	Zhejiang University, China	Non-Hermitian topological insulators	PP
KB	Kolahal Bhattacharya	St. Xavier's College, Kolkata	Interesting physics at the undergraduate level	PP
KR	Kabir Ramola	TIFR, Hyderabad	Correlations and Fluctuations in Interacting Particle Systems	PP
MG	Manoranjan Guchait	TIFR, Mumbai	High Energy physics	PP
MKK	Mashood KK	HBCSE, Mumbai	Exploring PER threads relevant to Indian context	MKK
MS	Manoranjan Singh	RRCAT, Indore	Physics of intelligent computation	PP
PKP	Prasanta K Panigrahi	IISER, Kolkata	Quantum computing and communication: The role of entanglement as a resource	PP
PP	Praveen Pathak	HBCSE, Mumbai	Smartphone physics experiments	PP
RBK	Rajesh B. Khaparde	HBCSE, Mumbai	Training in Experimental Physics	RBK
RS	Rajdeep Sensarma	TIFR, Mumbai	Superconductivity	PP
SJ	Sudhir Jain	BARC, Mumbai (Retd.)	Zeros of wavefunctions	PP
SM	Sushil Mujumdar	TIFR, Mumbai	Quantum Key Distribution: From Basics to Satellites	RBK
SS	Sambudha Sanyal	IISER, Tirupati	The quantum frontier	PP
VS	Vijay Singh	UM-DAE-CEBS, Mumbai	Quantum Mechanics	PP
VSK	V S Katdare	Ruparel College, Mumbai (Retd.)	Experimental Problem Solving	RBK