

IMHEP 2023 Schedule

Date	Timing			Name	Title	Talk	Session Chair
	From	To	Duration				
Thursday, 16 February	9:15 am	9:30 am	0:15:00	Inauguration by the Director, IoP			
	9:30 am	10:15 am	0:45:00	Subhendra Mohanty	Dark Matter in Cosmology	Download	Raj Gandhi
	10:15 am	11:00 am	0:45:00	Nicolas Bernel	DM beyond WIMPs	Download	
				Tea Break			
	11:20 am	12:05 pm	0:45:00	Biswarup Mukhopadhyaya	Supersymmetry in particle physics: First hypd and then dumped--Both for wrong reasons?	Download	
	12:05 pm	12:40 pm	0:35:00	Tirtha Sankar Ray	Some constraints on particulate dark matter from astrophysical observations	Download	
	12:40 pm	1:15 pm	0:35:00	Arindam Chattarjee	Inflation and Aspects of Dark Matter Production	Download	
				Lunch break			Anirban Kundu
	2:45 pm	3:30 pm	0:45:00	Urjit A Yajnik	Gravitational wave in BSM models	Download	
	3:30 pm	4:15 pm	0:45:00	Subhendu Rakshit	High energy astrophysical neutrinos	Download	
				Tea Break			
	4:45 pm	5:20 pm	0:35:00	Tuhin Roy	Signal for composite dark matter	Download	
5:20 pm	5:55 pm	0:35:00	Nishita Desai	Discovering strongly interacting dark matter at LHC	Download		
5:55 pm	6:30 pm	0:35:00	Ranjan Laha	High-energy neutrinos from the Sun as a discovery tool for dark matter - electron scattering	Download		
Friday, 17 February	9:30 am	10:15 am	0:45:00	Sreerup Raychaudhuri	Some futuristic ideas in particle physics	Download	Biswarup Mukhopadhyaya
	10:15 am	11:00 am	0:45:00	Alejandro Ibarra	Particle dark matter: old and new probes.	Download	
				Tea Break			
	11:30 am	12:05 pm	0:35:00	Ritesh Kumar Singh	Role of polarization and spin-spin correlations at ILC/LHC	Download	
	12:05 pm	12:40 pm	0:35:00	Soumitra Nandi	Interpretation of flavor data: SM and beyond	Download	
	12:40 pm	1:15 pm	0:35:00	Sudhansu S. Biswal	Quarkonia in modified NRQCD	Download	
				Lunch break			Urjit A Yajnik
	2:45 pm	3:30 pm	0:45:00	Sanjay Kumar Swain	Indian contribution to CMS	Download	
	3:30 pm	4:05 pm	0:35:00	Poonam Mehta	Testing Foundations of quantum mechanics via neutrino oscillations	Download	
				Tea Break			
	4:30 pm	5:05 pm	0:35:00	Arunansu Sil	Flavor leptogenesis during reheating	Download	
	5:05 pm	5:40 pm	0:35:00	Priyotosh Bandhopadhyay	Interplay of Higgs Boson, Dark matter and Neutrinos	Download	
Saturday, 18 February	5:40 pm	6:15 pm	0:35:00	Ambresh Shivaji	Constraining WWH and ZZH coupling at eP collider	Download	
	9:30 am	10:15 am	0:45:00	Raj Gandhi	BSM Physics at neutrino detectors: Motivations and Examples	Download	Sreerup Raychaudhuri
	10:15 am	11:00 am	0:45:00	Srubabati Goswami	BSM Phenomenology and Neutrinos	Download	
				Tea Break			
	11:30 am	12:05 pm	0:35:00	Santosh Kumar Rai	Collider Signals for a Universal seesaw model	Download	
	12:05 pm	12:40 pm	0:35:00	Sanjoy Biswas	Exploring non-standard decays of vector-like top-partner at the LHC	Download	
	12:40 pm	1:15 pm	0:35:00	Sudhanwa Patra	Neutrinoless double beta decay in left-right symmetric double seesaw mechanism	Download	
				Lunch break			Poulose Poulose
	2:45 pm	3:30 pm	0:45:00	Rahul Sinha	B physics anomalies	Download	
	3:30 pm	4:30 pm	1:00:00	Partha Konar	ML in BSM	Download	
				Tea Break			
	5:00 pm	5:35 pm	0:35:00	Kenji Nishiwaki	Revisiting Isospin Anomalies in vector-meson decay: plane wave or wave packet?	Download	
5:35 pm	6:10 pm	0:35:00	Indrani Chakraborti	Leptogenesis at different mass scales and a possible probe at a multi-TeV muon collider	Download		
6:10 pm	7:00 pm	0:50:00	Poster Session				
Sunday, 19 February	Excursion						
Director's Dinner							
Monday, 20 February	9:30 am	10:15 am	0:45:00	Monoranjan Guchait	SUSY at LHC	Download	Rahul Sinha
	10:15 am	10:50 am	0:35:00	Ipsita Saha	Electroweak MSSM under scrutiny: a target for future colliders	Download	
				Tea Break			
	11:30 am	12:05 pm	0:35:00	Subhadip Mitra	Leptoquark at LHC	Download	
	12:05 pm	12:40 pm	0:35:00	Nabarun Chakraborti	Thermally corrected masses and freeze-in dark matter: a case study	Download	
				Lunch break			Asesh K. Datta
	2:45 pm	3:30 pm	0:45:00	Poulose Poulose	BSM Higgs after 10 years of LHC	Download	
	3:30 pm	4:05 pm	0:35:00	Rick S. Gupta	Going beyond the dimension 6 SMEFT in the high energy/luminosity era	Download	
	4:05 pm	4:40 pm	0:35:00	Narendra Sahu	Singlet-doublet fermion dark matter	Download	
				Tea Break			
5:15 pm	5:50 pm	0:35:00	Tanumoy Mondal	Mind the gap: unconventional searches for vectorlike quarks	Download		

IMHEP 2023 Schedule

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Tuesday, 21 February	9:30 am	10:15 am	0:45:00	Vajravelu Ravindran	Higher order correction in QCD	Download	Subhendu Rakshit
	10:15 am	10:50 am	0:35:00	Satyajit Seth	Compact One-Loop Amplitudes: H+2-jet production	Download	
	Tea Break						
	11:30 am	12:05 pm	0:35:00	Anurag Tripathi	Webs in Multiparton Scattering Amplitudes Beyond 3 loops	Download	
	12:05 pm	12:40 pm	0:35:00	Meduri C kumar	Precision QCD studies for some BSM searches using Drell-Yan process at the LHC	Download	
	12:40 pm	1:15 pm	0:35:00	Narayan rana	Mixed QCD-EW corrections to the Drell-Yan process	Download	
	Lunch break						
	Parallel Sessions						
Wednesday, 22 February	9:30 am	10:15 am	0:45:00	Rukmani Mohanta	Recent Flavour anomalies and their implications	Download	Partha Konar
	10:15 am	11:00 am	0:35:00	Dipankar Das	Diluting quark flavor hierarchies using dihedral symmetry	Download	
	11:00 am	11:35 am	0:35:00	Vote of thanks/Summary			
	Tea Break						
	Parallel Sessions						