

## Parallel Sessions

Date	From	To	Duration	Room 1		Room 2		Room 3	
				Name	Title of the Talk	Name	Title of the Talk	Name	Title of the Talk
Tuesday, 21 February	2:30 pm	2:45 pm	0:15:00	Triparno Bandyopadhyay	Light Particles	Snehashis Parashar	Searching for scalar leptoquarks at the colliders in the light of radiative neutrino mass, muon $g-2$ , and $B\bar{S}$ -anomalies	Ratan Sarkar	TBA
	2:45 pm	3:00 pm	0:15:00	Lipika Kolay	Constraining New Physics with Possible DM Signatures from the Study of Low Energy Processes	Gurucharan Mohanta	Hierarchical, radiative fermion masses in flavour non-universal gauge symmetries	Biswajit Das	Effect of anomalous HHH and ZZHH couplings on the decay width of $H \rightarrow ZZ \rightarrow 4l$
	3:00 pm	3:15 pm	0:15:00	Kousik Loho	Dark Matter production from two evaporating Primordial Black Holes	Bikash Thapa	Predictive minimal inverse seesaw model with $S_4$ flavour symmetry	Mandeep Kaur	QCD corrections to golden decay channel ( $H \rightarrow e^+ e^- \mu^+ \mu^-$ ) of Higgs boson
	3:15 pm	3:30 pm	0:15:00	Tarak Nath Maity	Chasing dark matter substructures in electron recoil direct detection experiments	SAURABH KUMAR SHUKLA	Scalars' Spectrum in Realistic $SO(10)$ GUT	Pulak Banerjee	NNLO QED corrections in McMule
	3:30 pm	3:45 pm	0:15:00	ARPAN HAIT	Dark matter production during reheating	Arvind Bhaskar	Leptoquark solutions to anomalies	Abhinava Danish	Next-to-eikonal webs in multiparton amplitude
	3:45 pm	4:00 pm	0:15:00	Ananya Tapadar	Reconciliation of Secluded Dark Sector and Muon $g-2$ on view of Fast Expanding Universe	Purushottam Sahu	Flavour anomalies and dark matter assisted unification in $SO(10)$ GUT	Chinmoy Dey	Precision studies for Higgs-Strahlung process at hadron collider.
	4:00 pm	4:15 pm	0:15:00	Break					
	4:15 pm	4:30 pm	0:15:00	Sk Jeesun	Imprints of non thermal dark matter on CMB	Sourav Pal	Colour Building Blocks of Boomerang Cwebs	Rohan Pramanick	Neutrino mass and leptogenesis in Type I+II Seesaw model with a spontaneously broken CP symmetry
	4:30 pm	4:45 pm	0:15:00	Satyabrata Mahapatra	Unified origin of dark matter self-interactions and low scale leptogenesis	Arjun Kumar	Proton structure and its fluctuations through high energy diffraction	Najimuddin Khan	A mini-review on stability analysis: connection with neutrino and dark matter
	4:45 pm	5:00 pm	0:15:00	Dipankar Pradhan	Dynamics of the pseudo-FIMP in presence of a thermal Dark Matter	Priyanka Sadangi	Measurement of $B_s^0$ lifetime in $B_s^0 \rightarrow J/\psi K_s^0$ decay mode at CMS experiment.	Nimmala Narendra	Asymmetric Self-interacting Dark Matter via Dirac Leptogenesis
	5:00 pm	5:15 pm	0:15:00	Sudipta Show	Realization of Self-interacting dark matter via freeze-in	Camellia Bose	Prospects for Exotic $h \rightarrow 4\tau$ Decays in Single and Di-Higgs Production at the LHC and Future Hadron Colliders	Lipsarani Panda	Search for fast magnetic monopoles with NOvA far detector.
	5:15 pm	5:30 pm	0:15:00	Shyamashish Dey	Searching double charged Higgs in Left-Right symmetric Model, in presence Fermionic dark matter	Prabhat Solanki	Dedicated triggers for displaced jets using timing information from electromagnetic calorimeter at HL-LHC	Kiran Sharma	CP violation study in the presence of sterile neutrino at experimental facility MOMENT
	5:30 pm	6:00 pm	0:30:00	Tea Break					
	6:00 pm	6:15 pm	0:15:00	Sanchari Bhattacharyya	Phenomenology of a Left-Right symmetric gauge model	Saiyad Ashanujjaman	Low-mass doubly-charged Higgs bosons at LHC	Dibya S. Chattopadhyay	The Role of Matter Effects in Identifying Sterile Mass Ordering
	6:15 pm	6:30 pm	0:15:00	ANUPAM GHOSH	Top-philic Dark Matter in a Hybrid KSVZ axion framework	Rafiqul Rahaman	Search for a leptophobic doubly charged Higgs in same-sign-four-lepton and six-lepton signatures in a left-right symmetric model	Amit Pal	Seasonal variation of cosmic muon at the NOvA near detector
	6:30 pm	6:45 pm	0:15:00	Rajesh Mondal	WIMPs, FIMPs, and Inflaton phenomenology via reheating, CMB and $\Delta N_{\text{eff}}$	Kuldeep Kumar Pal	Search for a vector-like quark $T$ decaying to $bW$ , $tZ$ , $tH$ in the single lepton final state at the HL-LHC	Masoom Singh	Complementarity between DUNE and T2HK: Gateway to improved CP Coverage
	6:45 pm	7:00 pm	0:15:00	Arpita Mondal	Constraining Bilinear R-parity violating supersymmetry from neutrino oscillation and other experimental data	Anjan Kumar Barik	Hidden $Z'$ at LHC	Anuj Kumar Upadhyay	Multi-messenger tomography of Earth using oscillating neutrinos at ICAL

## Parallel Sessions

Date	From	To	Duration	Room 1		Room 2		Room 3	
				Name	Title of the Talk	Name	Title of the Talk	Name	Title of the Talk
Wednesday, 22 February	11:45 am	12:00 pm	0:15:00	Pankaj Borah	Strong First-order Phase Transitions and prospects of detecting Gravitational Waves in an Extended Supersymmetric Model	Tisa Biswas	Unveiling the non-standard interactions of Higgs at HL-LHC and beyond : EFT all the way	Tanmay Kumar Poddar	Constraints on ultralight axions and vector gauge bosons from geodetic and frame-dragging measurements
	12:00 pm	12:15 pm	0:15:00	Rhitaja Sengupta	Is the light neutralino thermal dark matter in the MSSM ruled out?	Chandiprasad Kar	Recent studies of rare $B_0 \rightarrow \mu^+ \mu^-$ and $B_0 \rightarrow \mu^+ \mu^-$ decays using CMS Run 2 data	PURUSOTTAM GHOSH	Distinguishing Multipartite Dark Matter at Collider
	12:15 pm	12:30 pm	0:15:00	Tribeni Mishra	Search for SUSY in events with a photon, lepton, and missing transverse energy using full Run2 dataset at 13 TeV	Subhadeep Sarkar	Searches for the Signatures of Trilinear R-Parity Violating SUSY at the LHC	Joydeep Roy	Z lepton flavour violation as a probe for new physics at future $e^+e^-$ colliders
	12:30 pm	12:45 pm	0:15:00	Md Isha Ali	Muon and Electron ( $g-2$ ) Anomalies with Non-Standard couplings in MSSM	Sanu Varghese	Search for a charged higgs boson decaying to a c and s quark with CMS Run 2 data	Radhika Vinze	Particle identification at very high energy colliders
	12:45 pm	1:00 pm	0:15:00	Amandip De	Analysing some long-lived NSLP signatures in the NMSSM	Vishal Singh Ngairangbam	Infrared and collinear safe message passing algorithm for jet tagging	Nivedita Ghosh	Collider Signatures of a Scalar Leptoquark and Vector-like Lepton in Light of Muon Anomaly
	Lunch Break								
	2:30 pm	2:45 pm	0:15:00	Shantanu Sahoo	Precision Study of $B_c \rightarrow S \gamma$ Charmonium ( $S \gamma$ P wave) meson decay	Tousik Samui	Dynamic Radius Jet Clustering Algorithm	Ashish Narang	Constraining long-range interactions at future neutrino telescopes.
	2:45 pm	3:00 pm	0:15:00	Subhadip Bisal	Next-to-leading order corrections to the production of a light singlet-like scalar at the LHC	Poulami Mondal	A new look into the Georgi-Machacek model in the light of custodial symmetry	Sushree Simran Mishra	Resolving the LHCb $\eta_c$ anomaly using Modified NRQCD
	3:00 pm	3:15 pm	0:15:00	Debashis Saha	Distinguishing two scalar leptoquarks using top quark polarizations	Ria Sain	Lepton Flavor Violating $B \rightarrow K^*_2(1430) \mu^+ \mu^- \tau^+ \tau^-$ Decays	Lalit Kumar Saini	TBA
	3:15 pm	3:30 pm	0:15:00	Zafri Ahmed Borboruah	Left-Right Symmetry Breaking and Gravitational Waves : A Tale of Two Phase Transitions	Bhaskar Shukla	Frame-Dependent Chaotic Dynamics of a String in a Magnetic Field: A Holographic Study		