



# PPC 2024: XVII International Conference on Interconnections between Particle Physics and Cosmology

## Tuesday 15 October 2024

**Parallel - Collider & BSM: Session 1 - Seminar Room 2, Convention Center (16:30 - 18:45)**

**-Conveners: Baradhvaj Coleppa**

time	[id] title	presenter
16:30	[223] Deciphering the Mysteries of the Long-Lived Particles at the colliders	SEN, CHANDRIMA
16:45	[218] Twin Anomaly in a minimal Extension of Inert 2HDM	Prof. DAHIYA, Mamta
17:00	[182] Fermionic decay of charged Higgs boson in low mass region in Georgi Machacek Model	GHOSH, Swagata
17:15	[197] Hunting for Inert Triplet Scalars at a Muon Collider	PARASHAR, Snehashis
17:30	[142] Realtime Auto encoder based Anomaly Detection to trigger for new physics at the CMS experiment	SHARMA, Varun
17:45	[101] A Minimal model for Cosmological Selection of the Electroweak scale	Mr CHATTOPADHYAY, Susobhan
18:00	[57] Assisted baryon number violation in $4k+2$ dimensions	THOMAS, Mathew
18:15	[6] Electroweak Multi-Higgs Production: A Smoking Gun for the Type-I 2HDM	Dr MONDAL, Tanmoy
18:30	[93] Search for dark matter in Higgs decays to two taus + MET channel using full Run-2 data	SAHU, Bisnupriya

# Wednesday 16 October 2024

## Parallel - Collider & BSM: Session 2 - Seminar Room 1, Convention Center (14:00 - 16:00)

-Conveners: Santosh K Rai

time	[id] title	presenter
14:00	[114] Measurement of the ttH production cross-section in multi-leptonic final states in pp collisions at a centre-of-mass energy of 13 TeV with the CMS detector	AMEEN, Mohammad Mobassir
14:15	[167] Composite Higgs models: bridging collider, phase transition, and lattice studies	Dr BANERJEE, Avik
14:30	[115] Status of (e)GM model in the light of NLO unitarity and latest Run II data from LHC	SAMANTA, Subrata
14:45	[92] Search for BSM Physics in High-Mass Diphoton Events with the CMS Detector at $\sqrt{s} = 13$ TeV	KAMBLE, Samadhan
15:00	[89] Exclusive photon and lepton production in ultraperipheral PbPb collisions at CMS	JANA, Pranati
15:15	[73] Large lepton number violation at colliders in linear seesaw	BHARADWAJ, Praveen
15:30	[242] Mind the gap: exclusion limits and unconventional searches for leptoquarks	Dr MANDAL, Tanumoy
15:45	[53] Renormalization-group improved Higgs to two gluons decay rate	RES. SCHOLAR, PHYSICS, IIT(BHU), VARTIKA SINGH