

DPF - PHENO 2024**Monday 13 May 2024****Physics Beyond the Standard Model: SUSY searches at the LHC - David Lawrence Hall 106 (14:00 - 15:30)****-Conveners: Zhen Liu**

time	[id] title	presenter
14:00	[485] Exploring the Natural Anomaly-Mediated Supersymmetry Breaing Landscape at the HL-LHC	BOLICH, Jessica
14:15	[414] Searching for top squarks from the string landscape at HL-LHC	DUTTA, Juhi
14:30	[407] CMS results for searches for SUSY in compressed mass scenarios	BEAN, Alice
14:45	[601] Search for chargino pair-production and chargino-neutralino production with R -Parity Violating decays in pp collisions at $\sqrt{s} = 13$ TeV with ATLAS	MCGOVERN, Bobby
15:00	[571] A search for R-Parity Violating supersymmetry through top squark pair production in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS experiment	OSOJNAK, Lauren Melissa
15:15	[544] Winos from natural SUSY at the high luminosity LHC	ZHANG, KAIRUI

Physics Beyond the Standard Model: SUSY and SMEFT - David Lawrence Hall 106 (16:00 - 17:30)**-Conveners: Kirtimaan Ajaykant Mohan**

time	[id] title	presenter
16:00	[352] Higher-order corrections to top-quark pair production in the SMEFT	Dr TONERO, Alberto
16:15	[744] Precision unification and the scale of supersymmetry	BHATTIPROLU, Prudhvi
16:30	[653] Dimension-eight Operator Basis for Universal Standard Model Effective Field Theory	DESAI, Jay
16:45	[582] Dipole Operator in Standard Model Effective Theory	WANG, Si
17:00	[518] Opening up baryon number violating operators	SOKHASHVILI, Diana
17:15	[493] An alternative form of supersymmetry with reduced cross-sections and modified experimental signatures	ALLEN, Roland

Tuesday 14 May 2024

Physics Beyond the Standard Model: LHC Search Results - David Lawrence Hall 106 (14:00 - 15:30)

-Conveners: Ian Lewis

time	[id] title	presenter
14:00	[448] Search for new resonances decaying to pairs of highly merged diphotons in proton-proton collisions at 13 TeV with the CMS detector	CLARK, Steven
14:15	[388] Search for soft unclustered energy patterns in proton-proton collisions at 13 TeV	LAVEZZO, Luca
14:30	[419] Search For Low-Mass Quark-Antiquark Resonances Produced With an Initial State Photon at 13 TeV Using the CMS Detector	KOBERT, Adam Albert
14:45	[409] Search for t-channel leptoquark production in the high mass dimuon and dielectron spectra	SEKHAR, Sanjana
15:00	[514] Search for long-lived charged particles using the CMS detector in Run 2	MAKSIMOVIC, Petar
15:15	[502] Searches for long-lived particles and other non-conventional signatures with the CMS tracker and calorimeter systems	KENNEDY, Kiley Elizabeth

Physics Beyond the Standard Model: Neutrinos, Leptogenesis and Baryogenesis - David Lawrence Hall 106 (16:00 - 17:30)

-Conveners: Christopher Cappiello

time	[id] title	presenter
16:00	[605] Higgs-Coupled Freeze-In Baryogenesis	TUCKER-SMITH, David
16:15	[594] Baryon Number Violation in Neutron Stars and the Lab	THOMPSON, Adrian
16:30	[555] Collider testable leptogenesis	GEORIS, Yannis
16:45	[405] Simulating Heavy Neutral Leptons with General Couplings at Forward Collider Experiments	HEWITT, Alec
17:00	[647] Utilizing the Iron Dump at Short Baseline Neutrino Facilities to Probe Heavy Neutral Lepton and Dark Matter	GOSWAMI, Debopam
17:15	[776] -	

Wednesday 15 May 2024

Physics Beyond the Standard Model: Charged Higgs Searches - David Lawrence Hall 106 (14:00 - 15:30)

-Conveners: Prudhvi Bhattiprolu

time	[id] title	presenter
14:00	[760] -	
14:15	[384] Doubly-charged scalar from the right-handed sector: complementary tests from $0\nu\beta\beta$ decay, parity-violating Møller scattering, and colliders	URRUTIA QUIROGA, Sebastián
14:30	[681] Reinterpretation of the ATLAS Dark Meson analysis for Charged Higgs in the two-Higgs-doublet model	XIONG, Anni
14:45	[728] Results from H^+ to tau nu in ATLAS using the full run2 dataset	CARDENAS JR, Juan Carlos
15:00	[767] -	
15:15	[768] -	

Physics Beyond the Standard Model: Strong CP Problem and Hidden Valleys - David Lawrence Hall 106 (16:00 - 17:30)

-Conveners: Ben Lillard

time	[id] title	presenter
16:00	[495] Chiral Nelson–Barr Models: Quality and Cosmology	HOMILLER, Samuel
16:15	[573] Parity solution to the Strong CP-problem within Pati-Salam Model	Mr BISWAS, Sumit
16:30	[411] Nelson Barr ultra light dark matter	RATZINGER, Wolfram
16:45	[373] EW Portal to the Hidden Valley	LI, LINGFENG
17:00	[341] Exploring near-conformal Hidden Valley theories	LOCKYER, Joshua
17:15	[734] Jet SIFT-ing for New Physics in a Hidden Valley	SANDERS, Camryn

Thursday 16 May 2024

Physics Beyond the Standard Model: Holography, Extra-Dimensions & Amplitudes - David Lawrence Hall 106 (14:00 - 15:30)

-Conveners: Zhengkang Zhang

time	[id] title	presenter
14:00	[501] Vector-Pair Production, The Amplitude Way	GOLDBERG, Jared
14:15	[608] Scattering Amplitudes of Massive Spin-2 Kaluza-Klein States with Matter	MOHAN, Kirtimaan Ajaykant
14:30	[607] Equivalence theorems for KK gravitons in warped five-dimensional theories	WANG, Xing
14:45	[641] Thermodynamics of "Continuous spin" photons	SUNDARESAN, Gowri
15:00	[522] Confining Conformal Colliders: towards QCD energy correlators from holography	ISMAIL, Ameen
15:15	[497] Spin Correlations in Dark Photon Searches	TOMAN, Misa

Physics Beyond the Standard Model: Long lived particles at colliders - David Lawrence Hall 207 (14:00 - 15:30)

-Conveners: Carlos Henrique de Lima

time	[id] title	presenter
14:00	[525] Search for long-lived particles using displaced jets at CMS in Run 3	LUO, Jingyu
14:15	[437] Searches for long-lived particles in the CMS muon system	GUERRERO, Daniel
14:30	[532] Search for displaced vertices of oppositely charged leptons from decays of long-lived particles in p p collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	GAN, K.K.
14:45	[642] The New Physics Case for Beam-Dump Experiments with Accelerated Muon Beams	GAMBHIR, Rikab
15:00	[567] Hunting for Inflaton at Colliders	RAUT, Digesh
15:15	[623] New Signatures for Color-Sextet Scalars	SCHWIND, Katherine

Physics Beyond the Standard Model: Collider Physics: current and future - David Lawrence Hall 106 (16:00 - 17:30)

-Conveners: Wolfram Ratzinger

time	[id] title	presenter
16:00	[591] Unconventional Track Signatures at a 10 TeV Muon Collider	ROZANOV, Leo
16:15	[397] Search for single production of vector-like B quarks decaying to a top quark and a W boson in semi-leptonic final states	SHEN, Xiaohe
16:30	[683] Probing muon g-2 at forward detectors at LHC	MAMMEN ABRAHAM, Roshan
16:45	[639] A Simplified Model of Heavy Vector Singlets at the LHC and Future Colliders	MARTONHELYI, Timothy
17:00	[511] Discovering Quirks with Displaced Vertices	FORSYTH, Joshua
17:15	[439] Double Higgs boson production via photon fusion at muon colliders within the triplet Higgs model	SAMARAKOON, Bathiya

Physics Beyond the Standard Model: Neutrino Masses and Dark Matter - David Lawrence Hall 209 (16:00 - 17:30)

-Conveners: Qinrui Liu

time	[id] title	presenter
16:00	[462] Multimessenger Probes of First-Order Phase Transitions	HAUPTMANN, Cash
16:15	[536] Predictive Dirac Neutrino Spectrum with Strong CP Solution in $SU(5)_L \times SU(5)_R$ Unification	THAPA, Anil
16:30	[800] -	
16:45	[644] New Physics searches via scattering at DarkQuest	KARTHIKEYAN, Aparajitha
17:00	[783] -	