

ICHEP 2020

Tuesday 28 July 2020

Beyond the Standard Model: Session I - Premiere (15:30 - 20:30)

-Conveners: Mia Tosi; Alexandre Sousa

time	[id] title	presenter
15:30	[154] R-parity violating SUSY searches in ATLAS	JUNGGEBURTH, Johannes Josef
15:45	[842] New bounds on sneutrino masses through collider searches	GILMER, Humberto
16:00	[1045] Higgs properties: constraints and sensitivity on Supersymmetry?	MAHMOUDI, Nazila
16:15	[30] Sbottoms as probes to MSSM with nonholomorphic soft interactions	Ms MUKHERJEE, Samadrita
16:30	[263] Beyond the Standard Model Physics Prospects at Deep Underground Neutrino Experiment	KIM, Doojin
16:45	[674] Search for Proton Decay via $e^+\pi^0$ and $\mu^+\pi^0$ in 450 kiloton \cdot years Exposure of the Super-Kamiokande Detector	TAKENAKA, Akira
17:00	[761] Search for heavy neutral leptons decaying into muon-pion pairs in the MicroBooNE detector	GOODWIN, Owen Robert Young
17:15	[824] Explaining the SM flavor structure with grand unified theories	FONSECA, Renato
17:30	[890] A new program of searches for baryon number violation via neutron conversions at ORNL and the ESS	BROUSSARD, Leah
17:45	Coffee Break	
18:00	[144] Searching for new resonances in partially-hadronic states in ATLAS	MASCHEK, Stefan Raimund
18:15	[382] Search for new phenomena in leptonic final states at CMS	GHOSH, Saranya Samik
18:30	[389] Search for new physics with unconventional signatures at CMS	FRANCIS, Brian
18:45	[597] Search for new physics using final states with photons at CMS	WILLIAMS, Justin Andrew
19:00	[141] Searches for new heavy resonances in hadronic final states with the ATLAS detector	LOVE, Jeremy Robert
19:15	[319] Searches for vector-like quarks at CMS	HOGAN, Julie
19:30	[143] Fully Hadronic Diboson searches in ATLAS	SCHRAMM, Steven
19:45	[383] Search for new new phenomena using jets at CMS	KARASAVVAS, Dimitrios
20:00	[1060] Search for millicharged particles at the LHC with the milliQan prototype	CITRON, Matthew Daniel
20:15	[746] Search for non-Newtonian gravity with optically-levitated microspheres	Dr PRIEL, Nadav

Wednesday 29 July 2020

Beyond the Standard Model: Session I - Replay (08:00 - 13:00)

Beyond the Standard Model: Session II - Premiere (15:30 - 20:45)

-Conveners: Michal Malinský; Mia Tosi

time	[id] title	presenter
15:30	[736] BSM Physics at the LHeC and the FCC-eh	AZUELOS, Georges
15:45	[647] Precession Frequency Analysis of the E989 Muon g-2 Experiment's Run 1 Dataset	FIENBERG, Aaron
16:00	[810] Search for CPT and Lorentz Violation Effects in the Muon g-2 Experiment at Fermilab	Ms BHATTACHARYA, Meghna
16:15	[208] Status of the MUonE experiment	ABBIENDI, Giovanni
16:30	[204] Muon g – 2 and scalar leptoquark mixing	FAJFER, Svjetlana
16:45	[97] Estimation of CP violating EDMs from known mechanisms in the SM	MOHANMURTHY, Prajwal
17:00	[947] Probing CP-violation in photon-photon interactions	Ms SAVORAY, Inbar
17:15	[599] New measurement of the neutron electric dipole moment at PSI	CLEMENT, Benoit Eric
17:30	Coffee Break	
17:40	[137] Search for new physics in final states with heavy-flavour quarks using the ATLAS detector	DE LA TORRE PEREZ, Hector
18:00	[320] Search for new resonances coupling to third generation quarks at CMS	FROELICH, Alexander
18:20	[378] A case study about the mass exclusion limits for the BSM vector resonances with the direct couplings to the third quark generation	Dr JURÁŇ, Josef
18:35	[880] Charged and neutral Higgs bosons in final states with 6 bottom quarks	DERMISEK, Radovan
18:50	[388] Search for long-lived particles at CMS	PENA HERRERA, Cristian Ignacio
19:10	[140] Search for Long-lived Particles and Unconventional Signatures with the ATLAS detector	VERDUCCI, Monica
19:30	[760] Searches for long-lived particle decays in MicroBooNE	GUZOWSKI, Pawel
19:45	[153] Searches for SUSY with long-lived particles in ATLAS	HOLMES, Tova Ray
20:00	[648] Looking for Monopoles in ALICE	Prof. GAY DUCATI, M.Beatriz
20:15	[48] The MoEDAL Experiment - The LHC's First Dedicated Search Experiment – Results and Future Plans	PINFOLD, James

Thursday 30 July 2020

Beyond the Standard Model: Session II - Replay (01:00 - 06:00)

Beyond the Standard Model: Session III - Premiere (08:00 - 13:00)

-Conveners: Yu Nakahama Higuchi; Michal Malinsky

time	[id] title	presenter
08:00	[387] Search for leptoquarks at CMS	KILMINSTER, Ben
08:20	[139] Search for Leptoquarks using the ATLAS detector	OKUMURA, Yasuyuki
08:40	[664] A combined explanation of the $B\bar{B}$ -decay anomalies with a single vector leptoquark	KRIEWALD, Jonathan
08:55	[100] Limits on contact interactions and leptoquarks at HERA	WICHMANN, Katarzyna
09:10	[268] Nucleon decay search with DUNE	Mr ALT, Christoph
09:25	[69] BNV/LNV searches in charmonium decays at BESIII	ZHAO, Minggang
09:40	[954] Probing Baryogenesis using Neutron-Anti-Neutron Oscillation	FRIDELL, Kåre
09:55	[582] First results and prospects for tau LFV decay $\tau \rightarrow e + \alpha(\text{invisible})$ at Belle II	Dr TENCHINI, Francesco
10:10	[455] Searches for Dark Photons at LHCb	CID VIDAL, Xabier
10:30	Coffee Break	
10:45	[781] Polarization effects in the search for vector dark boson at e^+e^- colliders	LIN, Guey-Lin
11:00	[927] An extensive study of dark matter and neutrino phenomenology in the Triplet + Singlet Scotogenic Model	MATURANA, Ivania
11:15	[138] Searches for new physics at high-mass with leptons using the ATLAS detector	SCUTTI, Federico
11:30	[539] Z polarization as a probe of anomalous gauge-Higgs couplings	Ms SARMAH, Priyanka
11:45	[384] Search for heavy neutral leptons at CMS	VIT, Martina
12:00	[456] Exotic Searches at LHCb	DALL'OCCHO, Elena
12:15	[859] Exotic Vector-Like Quark Phenomenology in the Minimal Linear Sigma Model	Mr ALONSO GONZÁLEZ, Javier
12:30	[318] Searches for heavy resonances decaying into Z, W and Higgs bosons at CMS	ROY, Dennis Mario

Beyond the Standard Model: Session III - Replay (15:30 - 20:30)

Friday 31 July 2020

Beyond the Standard Model: Session IV - Premiere (08:00 - 13:15)

-Conveners: Yu Nakahama Higuchi; Alexandre Sousa

time	[id] title	presenter
08:00	[671] Precise spectroscopy of muonium hyperfine structure at J-PARC	SEO, Shun
08:15	[769] ILC as a SUSY discovery and precision instrument.	NÚÑEZ PARDO DE VERA, María Teresa
08:30	[439] The CLIC potential for new physics	ROLOFF, Philipp
08:45	[43] FASER: Forward Search Experiment at the LHC	QUEITSCH-MAITLAND, Michaela
09:00	[21] Search for New Physics with the SHiP experiment at CERN	SHIROBOKOV, Sergey
09:15	[45] Exploring the lifetime frontier with the proposed MATHUSLA experiment	TORRO PASTOR, Emma
09:30	[477] Simulating hard photon production with WHIZARD	SOPICKI, Pawel
09:45	[148] When jets MET SUSY: ATLAS searches for squarks and gluinos	O'NEILL, Aaron Paul
10:05	[300] Searching for pair production of SUSY particle in leptonic final states at the CMS	MOHAMED, Ashraf
10:20	[299] Searching for supersymmetric partners of top quarks at the CMS	BHATTACHARYA, Soham
10:35	Coffee Break	
10:45	[149] Searches for direct pair production of stops and sbottom with the ATLAS detector	STEVENSON, Thomas James
11:00	[301] Digging deeper into SUSY parameter space with the CMS experiment	SEKMEN, Sezen
11:15	[152] Searches for the electroweak production of supersymmetric particles with the ATLAS detector	ALDERWEIRELDT, Sara
11:30	[50] Resummation effects in weak SUSY processes	Dr FIASCHI, Juri
11:45	[107] On the reinterpretation of fiducial cross-section measurements in the view of new physics	SCHOTT, Matthias
12:00	[155] Searching outside the box for supersymmetry: beyond the cut-and-count in ATLAS analyses	RUEHR, Frederik
12:15	[945] Deep Learning Versatility in New Physics Searches	Dr CRISPIM ROMAO, Miguel
12:30	[150] Reconstruction techniques in supersymmetry searches with soft objects in the ATLAS experiment	CHEN, Shion
12:45	[966] Uncovering hidden new physics patterns in jets using Bayesian probabilistic models	Dr FAROUGHY, Darius

Beyond the Standard Model: Session IV - Replay (15:30 - 20:30)