

EPS-HEP2021 conference

Monday 26 July 2021

T10: Searches for New Physics: Part 1 (10:00-12:00)

-Conveners: **Cristina Botta**

time	[id] title	presenter
10:00	[228] Searches for strong production of supersymmetric particles with the ATLAS detector	LONG, Jonathan
10:15	[318] Searches for third generation SUSY particles with the CMS experiment	COLLURA, Giulia
10:30	[227] Searches for electroweak production of supersymmetric particles with the ATLAS detector	ZAMBITO, Stefano
10:45	[317] Search for electroweak SUSY production in leptonic and hadronic final states with the CMS experiment	WEZENBEEK, Liam
11:00	[319] Constraining challenging regions of the SUSY parameter space with the CMS experiment	MEIRING, Peter Eduard
11:15	[224] Exploring the frontier of R-parity-violating supersymmetry with the ATLAS detector	HOLZBOCK, Michael
11:30	[996] New constraints on flavour violating supersymmetry	BOUSSEJRA, Mohamed Amine
11:45	[714] New constraints on supersymmetry using neutrino telescopes	MEIGHEN-BERGER, Stephan

T10: Searches for New Physics: Part 2 (14:15-16:15)

-Conveners: **Marija Vranjes Milosavljevic**

time	[id] title	presenter
14:15	[669] Search for invisible decays at BESIII	SHI, Xiaodong
14:30	[294] Searches for additional Higgs bosons at CMS	D'ALFONSO, Mariarosaria
14:45	[230] Searches for additional Higgs bosons at ATLAS	DANERI, Maria Florencia
15:00	[223] ATLAS Searches for Resonances Decaying to Boson Pairs	PETTERSSON, Nora Emilia
15:15	[299] Searches for heavy resonances decaying into Z, W, and Higgs bosons at CMS	CHEN, Cheng
15:30	[229] Searches for exotic decays of the Higgs boson with the ATLAS detector	NACHMAN, Benjamin
15:45	[292] Searches for Higgs exotic decays and additional (pseudo)scalars at CMS	LESAUVAGE, Antoine
16:00	[625] The forgotten channels: charged Higgs boson decays to a W^\pm and a non-SM-like Higgs boson	WITTBRODT, Jonas

T10: Searches for New Physics: Part 3 (16:30-18:30)

-Conveners: **Pedro Schwaller**

time	[id] title	presenter
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16:30	[733] Possible indications for new Higgs bosons in the reach of the LHC: N2HDM and NMSSM interpretations	BIEKOETTER, Thomas
16:45	[715] A 96 GeV Higgs Boson in the 2HDMS	PAASCH, Steven
17:00	[235] Searches and techniques for boosted resonances (non-diboson) with the ATLAS detector	DELITZSCH, Chris Malena
17:15	[18] Heavy Z^{\prime} Bosons in the Secluded $U(1)^{\prime}$ Model at Hadron Colliders	SELBUZ, Levent
17:30	[301] Search for heavy BSM particles coupling to third generation quarks at CMS	BENECKE, Anna
17:45	[232] Searches for vector-like quarks with the ATLAS Detector	UNAL, Mesut
18:00	[234] Searches for leptoquarks with the ATLAS detector	AFIK, Yoav
18:15	[866] Precise LHC limits on the U_1 leptoquark parameter space	BHASKAR, Arvind

Tuesday 27 July 2021

T10: Searches for New Physics: Part 4 (09:30-11:30)

-Conveners: Marija Vranjes Milosavljevic

time	[id] title	presenter
09:30	[233] Searches for new physics with leptons using the ATLAS detector	ZANZI, Daniele
09:45	[321] Searches for new physics in CMS in events with leptons and photons in the final state	SCHULTE, Jan-Frederik
10:00	[320] Searches for new physics in CMS in events with jets in the final state	DIAMANTOPOULOU, Magda
10:15	[335] Dark Sector searches in CMS	DE COSA, Annapaola
10:30	[818] Characterising darkjets: Implications of theory scenarios for experimental signatures	KULKARNI, Suchita
10:45	[968] Searching for pseudo-Nambu-Goldstone boson dark matter production in association with top quarks	SCHULTE, Stefan
11:00	[21] Blast from the past: Constraints on the dark sector from the BEBC WA66 beam dump experiment	Mr MAROCCO, Giacomo
11:15	[770] Search for heavy neutral lepton production at the NA62 experiment	PARKINSON, Christopher John

T10: Searches for New Physics: Part 5 (16:00-17:15)

-Conveners: Cristina Botta

time	[id] title	presenter
16:00	[337] Search for new physics with long-lived and unconventional signatures in CMS	CARDWELL, Bryan
16:15	[231] Searches for BSM physics using challenging and long-lived signatures with the ATLAS detector	CORPE, Louie
16:30	[994] Long-lived particles searches at LHCb	USACHOV, Andrii
16:45	[926] Constraining electroweak and strongly charged long-lived particles with CheckMATE	DESAI, Nishita
17:00	[647] Long-Lived Light Mediators from Higgs Decay at Hadron Colliders	Ms SENGUPTA, Rhitaja

Wednesday 28 July 2021

T10: Searches for New Physics: Part 6 (09:30-11:30)

-Conveners: Pedro Schwaller

time	[id] title	presenter
09:30	[493] Non-Resonant Searches for Axion-Like Particles at the LHC	F. DE TROCÓNIZ, Jorge
09:45	[912] The Anomalous Case of Axion EFTs and Massive Chiral Gauge Fields	ROSSIA, Alejo
10:00	[731] The new ``MUON G-2" Result and Supersymmetry	Dr CHAKRABORTI, Manimala
10:15	[306] New physics explanations of a_μ in light of the FNAL muon $g-2$ measurement	JACOB, Douglas
10:30	[518] Light Scalar and Lepton Anomalous Magnetic Moments	PADMANABHAN KOVILAKAM, Vishnu
10:45	[762] Physics Beyond the Standard Model with the J-PET detector	PEREZ DEL RIO, Elena
11:00	[477] Unification of Gauge Symmetries ... including their breaking	GOERTZ, Florian
11:15	[1053] Hierarchy in double SU(2) models	ÁLVAREZ LUNA, Clara

T10: Searches for New Physics: Part 7 (16:45-17:45)

-Conveners: Marija Vranjes Milosavljevic; Cristina Botta

time	[id] title	presenter
16:45	[65] Mass Unspecific Supervised Tagging (MUST) for boosted jets	SEABRA, João
17:00	[1119] A Meta-Analysis of LHC Results	Ms AÇIKSÖZ, Sevim
17:15	[935] The Dark Machines Anomaly Score Initiative: Benchmark Data and Model Independent Classification for the Large Hadron Collider	DAVIES, Joe
17:30	[1117] Why interpretation matters for BSM searches: a case study with Heavy Neutral Leptons at ATLAS	TASTET, Jean-Loup

Thursday 29 July 2021

T10: Searches for New Physics: Part 8 (09:30-11:30)

-Conveners: Pedro Schwaller; Akitaka Ariga

time	[id] title	presenter
09:30	[760] Results and future plans of the MoEDAL experiment	Dr MITSOU, Vasiliki
09:45	[51] FASER: Forward Search Experiment at the LHC	WANG, Di
10:00	[245] Searching for millicharged particles in future proton-proton collisions at the LHC	SETTI, Francesco
10:15	[418] Physics Beyond SM at the HL-LHC with CMS	GOMBER, Bhawna
10:30	[1132] Flavorful leptoquarks at the LHC and beyond: Spin 1	NIŠANDŽIĆ, Ivan
10:45	[72] Triggering long-lived particles in HL-LHC and the challenges in the first stage of the trigger system	SOLANKI, PRABHAT
11:00	[1005] BSM Physics at the LHeC and the FCC-he	FISCHER, Oliver
11:15	[865] The HighNESS Project and Future Free Neutron Oscillations Searches at the ESS	SANTORO, Valentina

Friday 30 July 2021

T10: Searches for New Physics: Part 9 (09:30-11:30)

-Conveners: Akitaka Ariga

time	[id] title	presenter
09:30	[541] Prospects for long-lived particle searches at Belle II	FERBER, Torben
09:45	[398] New physics searches with the ILD detector at the ILC	BERGGREN, Carl Mikael
10:00	[732] The CLIC potential for new physics	KLAMKA, Jan
10:15	[495] The IDM and THDMa - current constraints and future prospects	ROBENS, Tania
10:30	[717] An unambiguous test of positivity at lepton colliders	GU, Jiayin
10:45	[932] (New) Physics at a multi-TeV Muon Collider	COSTANTINI, Antonio
11:00	[1130] Probing muon philic forces at a muon collider	CAPDEVILLA, Rodolfo
11:15	[424] Probing new physics at the LUXE experiment	TAL HOD, Noam