

2019 Meeting of the Division of Particles & Fields of the American Physical Society

Monday, July 29, 2019

Beyond Standard Model - Shillman 335 (2:00 PM - 3:32 PM)

-Conveners: Lawrence Lee Jr; Christopher Rogan; stefania gori; Verena Ingrid Martinez Outschoorn

time	[id] title	presenter
2:00 P	M221] Search for neutral long-lived particles decaying into displaced jets in the ATLAS calorimeter	PROFFITT, Mason
2:15 P	M223] Searches for new physics using long-lived particles and non-conventional signatures with the CMS detector	ADAMS, Todd
2:30 P	M256] Search for Long-lived Particles in the ATLAS Muon Spectrometer	ZHOU, Hao
2:45 P	M191] Identifying the Quantum Color Representation of New Particles with Machine Learning	KRUPER, John Alexander
3:02 P	M167] Detecting hidden sector dark matter at HL-LHC and HE-LHC via long-lived stau decays	ABOUBRAHIM, Amin
3:17 P	M208] Mass Determination of Long-Lived and Invisible Particles with Precision Timing Detectors at the HL-LHC.	FLOWERS, Zachary

Beyond Standard Model - Shillman 335 (4:00 PM - 6:00 PM)

-Conveners: Verena Ingrid Martinez Outschoorn; Lawrence Lee Jr; stefania gori; Christopher Rogan

time	[id] title	presenter
4:00 P	M194] A Search for Fully Hadronic Final State Vector-Like Quark Pair Production in 13 TeV pp Collisions using CMS Data	GAMBHIR, Rikab
4:17 P	M286] Search for Supersymmetry at CMS in Events with Large Jet Multiplicity and Low Missing Transverse Momentum at $\sqrt{s}=13$ TeV	MADRID, Christopher
4:34 P	M134] Search for low-mass resonances decaying into two jets and produced in association with a photon using pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	ZHANG, Gang
4:51 P	M111] Searching for resonant HH production in the $bbq\ell\nu$ final state at CMS	MC COLL, Nickolas
5:08 P	M448] High-energy hadronic processes in the presence of Lorentz violation	Mr SHERRILL, nathan

Tuesday, July 30, 2019

Beyond Standard Model - Shillman 335 (2:00 PM - 3:30 PM)

-Conveners: Lawrence Lee Jr; Christopher Rogan; stefania gori; Verena Ingrid Martinez Outschoorn

time	[id] title	presenter
2:00 P	M178] Revisiting the Dark Photon Interpretation of the Muon Anomalous Magnetic Moment	MOHLABENG, Gopolang
2:18 P	M174] Magnetic Field Measurement and Analysis for the Muon g-2 Experiment	Dr HONG, Ran
2:36 P	M123] Mixed hidden sector/visible sector dark matter and observation of CP odd Higgs at HL-LHC and HE-LHC	ABOUBRAHIM, Amin
2:54 P	M131] Exploration of the dark sector with the Fermilab dimuon experiment	PAPAVASSILIOU, Vassili
3:12 P	M126] A Portalino to Twin Sector— Cosmology and Flavor Physics	LIU, Di

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time	[id] title	presenter
4:00 P	M133] Search for top squark production with CMS detector at 13 TeV	KILPATRICK, Matthew
4:17 P	M194] Search for direct stop pair production with the ATLAS detector	YOSHIHARA, Keisuke
4:34 P	M161] Phenomenology of TeV-scale scalar Leptoquarks in the EFT	COHEN, jonathan
4:51 P	M127] Status of leptoquark searches at CMS	Dr MORSE, David
5:08 P	M147] Search for vector like quarks with ATLAS	HALEY, Joseph
5:25 P	M195] A Search for Di-Leptonic Final State Vector-Like Quark Pair Production in 13 TeV pp Collisions using CMS Data	PAJARILLO, Pamela
5:42 P	M134] The Four-Fermi Interaction in the Standard Model Effective Theory	Dr WIEGAND, Daniel

Wednesday, July 31, 2019

Beyond Standard Model: BSM & DM Joint Session: Dark Matter at Accelerators - Shillman 335 (2:00 PM - 3:30 PM)

-Conveners: Benjamin Safdi; Rupak Mahapatra; Lindley Winslow; Stefania Gori; Verena Ingrid Martinez Outschoorn; Lawrence Lee Jr; Christopher Rogan

time	[id] title	presenter
2:00 P	M125] Searches for invisible Higgs decays with the ATLAS detector	RIFKI, Othmane
2:18 P	M190] Broadening Dark Matter Searches at the LHC: Mono-X versus Darkonium Channels	KROVI, Anirudh
2:36 P	M192] Trigger-level searches for dark matter mediators with dijet final states using the ATLAS detector at the LHC	TOLLEY, Emma Elizabeth
2:54 P	M180] Virtual Higgs portal to new particles in a natural scenario with supersymmetry and non-supersymmetric WIMPs	Prof. ALLEN, Roland
3:12 P	M167] Dark Matter searches with the ATLAS Detector	ROSTEN, Rachel Christine

Beyond Standard Model - Shillman 335 (4:00 PM - 6:00 PM)

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4:00 P	M164] Recent Results and Future Plans of the MoEDAL Experiment	STAELENS, Michael
4:17 P	M184] Status of the milliQan Experiment	FRANCIS, Brian
4:34 P	M104] Looking forward to New Physics: the FASER Experiment	KLING, Felix
4:51 P	M140] SEARCH FOR EXOTIC DECAYS WITH NA62	VOLPE, Roberta
5:08 P	M191] Search for displaced vertices of oppositely-charged leptons from decays of long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Prof. GAN, K.K.
5:25 P	M165] Searching for Lorentz violation in high-energy colliders	LI, Zonghao

Thursday, August 1, 2019

Beyond Standard Model - Shillman 335 (2:00 PM - 3:30 PM)

-Conveners: Stefania Gori; Lawrence Lee Jr; Christopher Rogan; Verena Ingrid Martinez Outschoorn

time	[id] title	presenter
2:00 P	M54] Search for electroweak gauginos in the compressed mass spectra with the ATLAS detector	CHEN, Shion
2:18 P	M99] Search for chargino-neutralino production using an emulated recursive jigsaw reconstruction technique in three-lepton final states with the ATLAS detector	RESSEGUIE, Elodie Deborah
2:36 P	M62] Combined collider constraints on neutralinos and charginos with GAMBIT	Dr CORNELL, Jonathan
2:54 P	M18] Search for supersymmetry in events with tau leptons with the CMS experiment	DUTTA, Valentina
3:12 P	M69] Search for chargino pair-production and chargino-neutralino production with $\$R\$$ -Parity Violating decays in pp collisions at $\sqrt{s} = 13$ TeV with ATLAS	Mr FLORES, Lucas Macrorie

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4:00 P	M39] PHYSICS BEYOND SM WITH KAONS FROM NA62	VOLPE, Roberta
4:18 P	M25] Nonminimal CPT violation in neutral-meson oscillations	EDWARDS, Benjamin
4:36 P	M11] Preliminary Charged Particle Results from the AICap Experiment	QUIRK, John
4:54 P	M6] The REDTOP experiment: Rare Eta Decays with a TPC for Optical Photons	Prof. GATTO, Corrado THE REDTOP COLLABORATION
5:12 P	M32] The Mu3e experiment	PAPA, Angela
5:30 P	M33] Higgs bosons with large couplings to light quarks	EGANA-UGRINOVIC, Daniel