

14th Conference on the Intersections of Particle and Nuclear Physics (CIPANP 2022)

Tuesday, August 30, 2022

HI: Precision Physics at High Intensities: HI-1: Precision Measurements using Muons and Pions - Palm Ballroom 5 (1:00 PM - 3:05 PM)

-Conveners: Luchang Jin; Sophie Middleton; Mark Pitt

time	[id] title	presenter
1:00 PM	[M116] PIONEER: Precision measurements of rare pion decays	SCHWENDIMANN, Patrick
1:25 PM	[M147] Nuclear Effective Theory of Muon-to-Electron Conversion	RULE, Evan
1:50 PM	[M148] Improved limits on lepton-flavor-violating decays of light pseudoscalars via spin-dependent $\mu \rightarrow e$ conversion in nuclei	Mr NOËL, Frederic
2:15 PM	[M146] Measurements of muonic X-rays and gammas from Al and Ti	TRAN, Nam
2:40 PM	[M145] Muonium-antimuonium oscillations	PETROV, Alexey

HI: Precision Physics at High Intensities: HI-2: g-2 - Palm Ballroom 5 (3:30 PM - 5:30 PM)

-Conveners: Luchang Jin; Sophie Middleton; Mark Pitt

time	[id] title	presenter
3:30 PM	[M138] The field measurement and systematics in g-2	HONG, Kyun Woo
4:00 PM	[M137] J-PARC muon g-2/EDM experiment	SATO, Yutaro
4:30 PM	[M109] Hadron Vacuum Polarization from lattice QCD	SZABO, Kalman

Wednesday, August 31, 2022

HI: Precision Physics at High Intensities: HI-3 - Palm Ballroom 1 , (1:00 PM - 3:00 PM)

-Conveners: Luchang Jin; Sophie Middleton; Mark Pitt

time	[id] title	presenter
1:00 P	[M61] Pulsed production of antihydrogen in the AEGIS experiment	DOSER, Michael
1:30 P	[M47] Precision Studies with Trapped Antihydrogen	BERTSCHE, William
2:00 P	[M70] Searches for neutron oscillations with HIBeam and NNBAR	BROUSSARD, Leah
2:30 P	[M57] Baryon number-violating amplitudes on a lattice	SYRITSYN, Sergey

HI: Precision Physics at High Intensities: Joint HI-DM: Dark Matter at High Intensities - Palm Ballroom 1 , (3:30 PM - 5:50 PM)

-Conveners: Bjoern Penning; Deborah Pinna; Luchang Jin; Sophie Middleton; Mark Pitt

time	[id] title	presenter
3:30 P	[M77] Theory Overview	Dr YU DAI TSAI
3:55 P	[M78] Future LHC Based Dark Sector Searches	Dr MATT, Citron
4:20 P	[M20] Dark Matter at Accelerators - the Heavy Photon Search and the Light Dark Matter eXperiment	SOLT, Matthew
4:55 P	[M4] Dark Sector Searches at BaBar	ECHENARD, Bertrand
5:20 P	[M76] APEX: A Dark Matter Search at Jefferson Lab Hall A	Dr JEVONS, Oliver

Thursday, September 1, 2022

HI: Precision Physics at High Intensities: Joint HI-HF: Rare Decays - Palm Ballroom 1 , (3:30 PM - 5:30 PM)

-Conveners: Racha Cheaib; Carla Marin Benito; Luchang Jin; Sophie Middleton; Alejandro Vaquero Aviles-Casco; Mark Pitt

time	[id] title	presenter
3:30 PM	[M1] Overview of rare decays at LHCb	FRAU, Giulia
4:00 PM	[M48] $B \rightarrow K \ell \ell$ from LQCD	Dr BOUCHARD, Chris BOUCHARD, Chris
4:30 PM	[M23] $B \rightarrow K \nu \nu$ from Belle II	MARTEL, Lucas
5:00 PM	[M14] CLFV searches in the tau sector	BANERJEE, Swagato

Friday, September 2, 2022

HI: Precision Physics at High Intensities: Joint HI / EW - Palm Ballroom 3 , (10:30 AM - 12:30 PM)

-Conveners: Nadia Fomin; Stéphanie Roccia; Mark Pitt; Sophie Middleton; Luchang Jin

time	[id] title	presenter
10:30	[214] Neutral Weak Form Factor Measurements from the PREX-II and CREX Experiments	ZEC, Allison
11:00	[213] Parity-Violating Electron Scattering as a Test of the Standard Model	Dr ADHIKARI, Devi
11:30	[210] Neutron Measurements to Probe the Hadronic Weak Interaction	SARSOUR, Murad
12:00	[219] ZOMBIES: an experiment to measure nuclear anapole moments	DEMILLE, David

Saturday, September 3, 2022

HI: Precision Physics at High Intensities: Joint HI-HF: CLFV and LFU - Palm Ballroom 5 (1:00 PM - 3:00 PM)

-Conveners: Alejandro Vaquero Aviles-Casco; Carla Marin Benito; Racha Cheaib; Sophie Middleton; Mark Pitt; Luchang Jin

time	[id] title	presenter
1:00 PM	[M10] Overview of global fits results	FEDELE, Marco
1:30 PM	[M113] Charged Lepton Flavor Violation in Muon Processes	BERNSTEIN, Robert
2:00 PM	[M13] LFU measurements in semileptonic $b \rightarrow c l \nu$ decays	HARA, Koji
2:30 PM	[M32] Latest results from the NA62 experiment at CERN	COOPER, Peter

HI: Precision Physics at High Intensities: Joint HI-QCD - Palm Ballroom 1 , (3:30 PM - 5:30 PM)

-Conveners: Justin Stevens; Martha Constantinou; Tomasz Skwarnicki; Sophie Middleton; Luchang Jin; Mark Pitt

time	[id] title	presenter
3:30 PM	[M54] The MUSE Experiment	DOWNIE, Evangeline
4:00 PM	[M52] The PRad experiment and the Proton Radius Puzzle	HAGUE, Tyler
4:30 PM	[M39] Lattice calculation of the proton charge radius	PARK, Sungwoo