

XVIth Quark Confinement and the Hadron Spectrum

Monday 19 August 2024

QCD and New Physics: E1a (Parallel E) - M3 (14:00 - 15:30)

-Conveners: Ross Young

time	[id] title	presenter
14:00	[317] New Opportunities with Jefferson Lab at 22 GeV: Science at the Luminosity Frontier	KEPPEL, Cynthia (Thia)
14:30	[278] The conformal window of SU(3)	NOGRADI, Daniel
15:00	[264] Recent $B^+ \rightarrow K^+ \nu \bar{\nu}$ Excess and Muon $g-2$ Illuminating Light Dark Sector with Higgs Portal	Prof. KO, Pyungwon

QCD and New Physics: E1b (Parallel E) - M3 (16:00 - 18:00)

-Conveners: Daniel Nogradi

time	[id] title	presenter
16:00	Break	
16:20	[93] Constraining beyond the Standard Model nucleon isovector charges	Dr ZANOTTI, James
16:40	[66] Dispersive determinations of lattice HVP window quantities for muon $g-2$	MALTMAN, Kim
17:00	[349] Lattice QCD calculation of electroweak box contributions to superallowed nuclear and neutron beta decays	Prof. FENG, Xu
17:30	[307] Inclusive processes from lattice QCD: problems and opportunities	Dr HASHIMOTO, Shoji

Tuesday 20 August 2024

QCD and New Physics: E2a (Parallel E) - M3 (14:00 - 15:30)

-Conveners: **Wolfgang Korsch**

time	[id] title	presenter
14:00	[57] Improved limits on lepton-flavor-violating decays of light pseudoscalars via spin-dependent $\mu \rightarrow e$ conversion in nuclei	HOFERICHTER, Martin
14:30	[298] Effective theory predictions for $\mu \rightarrow e$ conversion	RULE, Evan
15:00	[325] Exciting Prospects at Neutrino Detectors	Prof. PARK, Jong-Chul

Wednesday 21 August 2024

QCD and New Physics: E3a (Parallel E) - M3 (14:00 - 16:00)

-Conveners: **Giulia Ricciardi**

time	[id] title	presenter
14:00	[228] Ab initio nuclear structure calculations for new physics searches in ytterbium isotope shifts	HEINZ, Matthias
14:30	[311] Constraints on axionlike particles from GW170817	HARRIS, Steven
15:00	[122] First results from FASER at the LHC	Dr HAYAKAWA, Daiki
15:30	[346] BSM discovery potential at Belle II	Dr TRABELSI, Karim

Thursday 22 August 2024

QCD and New Physics: E4b (Parallel E) - M3 (14:00 - 15:30)

-Conveners: Rajan Gupta

time	[id] title	presenter
14:00	[96] Lattice study of spectrum of the low-lying chimera baryons in Sp(4) gauge theory	LIN, C.-J. David
14:30	[342] Stealth Dark Matter	Prof. FLEMING, George T.
15:00	[132] Confinement and False Vacuum Decay in Quantum Spin Chains	

QCD and New Physics: E4c (Parallel E) - M6 (16:00 - 17:30)

-Conveners: Susan Gardner

time	[id] title	presenter
16:00	[54] analysis of electron (anti-)neutrino scattering on nucleons	RICCIARDI, Giulia
16:30	[204] Precision predictions for future CEvNS experiments	NEWSTEAD, Jayden
16:50	[353] Axial vector form factors for neutrino-nucleus scattering from lattice QCD	Dr GUPTA, Rajan
17:10	[306] The transverse momentum reconstruction and implications for the W-boson mass	ROY, Tuhin