

Lattice 2023

Monday, 31 July 2023

Particle Physics Beyond the Standard Model - Conjectorium (13:30 - 15:30)

-Conveners: Daniel Negradi

time	[id] title	presenter
13:30	[30] The conformal fixed point of the SU(3) gauge theory with 10 fundamental flavors	HASENFRATZ, Anna
13:50	[25] Composite Higgs model from the lattice: Infrared fixed point and anomalous dimensions	SHAMIR, Yigal
14:10	[5] Non-perturbative RG β -function of 8-flavor SU(3) gauge theory	PETERSON, Curtis
14:30	[170] Continuous beta function for SU(3) with Nf fundamental flavor	WITZEL, Oliver
14:50	[395] The infinite volume based beta-function from the gradient flow with applications	KUTI, Julius
15:10	[214] Higher-Order Calculations of Anomalous Dimensions at Infrared Fixed Points in Gauge Theories and Studies of Renormalization-Group Behavior of Some Scalar Field Theories	SHROCK, Robert

Tuesday, 1 August 2023

Particle Physics Beyond the Standard Model - Conjectorium (16:20 - 18:00)

-Conveners: Oliver Witzel

time	[id] title	presenter
16:20	[55] Running Vacuum Energy on EDT Lattice	DAI, Mingwei
16:40	[396] Dynamical dark energy from lattice quantum gravity	LAIHO, Jack
17:00	[90] Symmetric mass generation in lattice gauge theory	CATTERALL, Simon
17:20	[28] Renormalization of the Yukawa and Quartic Couplings in $\mathcal{N} = 1$ Supersymmetric QCD	HERODOTOU, Herodotos
17:40	[338] Studying gauged Yukawa models and their supersymmetric limit on the lattice	BERGNER, Georg

Thursday, 3 August 2023

Particle Physics Beyond the Standard Model - Conjectorium (13:30 - 15:30)

-Conveners: Georg Bergner

time	[id] title	presenter
13:30	[8] Naturalness vs Higgs masses: A comparative study within Higgs Triplet Models	CHABAB, Mohamed
13:50	[37] Hidden Conformal Symmetry from the Lattice	INGOLDBY, James
14:10	[115] The f_{PS} / m_V and f_V / m_V ratios and the conformal window	NOGRADI, Daniel
14:30	[278] SU(4) Stealth Dark Matter Baryons using LapH	CUSHMAN, Kimmy
14:50	[180] Exploring Composite Dark Matter with an SU(4) gauge theory with 1 fermion flavor	Dr AYYAR, Venkitesh
15:10	[270] Exploring the large- N_c limit of one-flavour $SU(N_c)$	MARTINS, Sofie

Particle Physics Beyond the Standard Model - Conjectorium (16:00 - 18:00)

-Conveners: Anna Hasenfratz

time	[id] title	presenter
16:00	[4] Scattering of pseudoscalar particles in a Sp(4)-gauge theory.	Mr DENGLER, Yannick
16:20	[51] The deconfinement phase transition in Sp(2N) gauge theories and the density of states method	MASON, David
16:40	[228] Chimera Baryon Spectrum of the Composite Higgs Model with Sp(4) gauge group	HSIAO, Ho
17:00	[27] Lattice studies of Sp(2N) gauge theories using GRID	FORZANO, Niccolò
17:20	[243] 2-flavour $SU(2)$ gauge theory with exponential clover Wilson fermions	BOWES, Laurence Sebastian
17:40	[188] Lattice investigation of the general 2HDM with SU(2) gauge fields	CATUMBA, Guilherme