

XVIth Quark Confinement and the Hadron Spectrum

Monday 19 August 2024

Vacuum Structure and Confinement: A1a (Parallel A) - M2 (14:00 - 15:30)

-Conveners: Derek Leinweber

time	[id] title	presenter
14:00	[37] The standard model and the lattice	CREUTZ, Michael
14:30	[59] Fractional instantons, anomalies, and the gaugino condensate	POPPITZ, Erich
15:00	[129] Weyl Fermions on a Finite Lattice	SEN, Srimoyee

Vacuum Structure and Confinement: A1b (Parallel A) - M2 (16:00 - 18:00)

-Conveners: Ivan Horvath

time	[id] title	presenter
16:00	[108] Boundary states and non-Abelian Casimir effect in lattice Yang-Mills theory	TANASHKIN, Alexey
16:20	[173] Semiclassics for QCD vacuum structure via T^2 compactification	HAYASHI, Yui
16:40	[180] Confinement in Schwinger model at finite temperature and θ	Dr OHATA, Hiroki
17:00	[177] Topological structures with twisted boundary conditions and adjoint mode filtering	BERGNER, Georg
17:30	[230] Understanding the temperature dependence of fractional topological charge objects	MICKLEY, Jackson

Tuesday 20 August 2024

Vacuum Structure and Confinement: A2a (Parallel A) - M2 (14:00 - 15:30)

-Conveners: Tamas G. Kovacs

time	[id] title	presenter
14:00	[229] Centre vortex geometry at finite temperature	LEINWEBER, Derek
14:30	[78] Reassessing the flux tube formation via center-vortex ensembles in the lattice	OXMAN, Luis E.
15:00	[291] Centre vortices and gluon propagators in thermal lattice QCD with dynamical fermions	ALLTON, Christopher Roland

Vacuum Structure and Confinement: A2b (Parallel A) - M2 (16:00 - 17:30)

-Conveners: Aleksey Cherman

time	[id] title	presenter
16:00	[163] Color-magnetic correlation in SU(3) lattice QCD	SUGANUMA, Hideo
16:20	[136] Possible scenario of dynamical chiral symmetry breaking in the instanton liquid	SUDA, Yamato
16:40	[182] Further numerical evidences for the gauge-independent separation between Confinement and Higgs phases in lattice SU(2) gauge theory with a scalar field in the fundamental representation	SHIBATA, Akihiro
17:00	[127] Does the Z boson have a lighter cousin, and other aspects of gauge Higgs theories	Prof. GREENSITE, Jeff

Thursday 22 August 2024

Vacuum Structure and Confinement: A4b (Parallel A) - M2 (14:00 - 15:30)

-Conveners: Luis E. Oxman

time	[id] title	presenter
14:00	[279] Symmetries of large N QCD	CHERMAN, Aleksey
14:30	[145] The QCD confining string and the world-sheet axion	ATHENODOROU, Andreas
15:00	[120] Phase diagram of QCD matter with magnetic field: domain-wall Skyrmion chain in chiral soliton lattice	NISHIMURA, Kentaro

Vacuum Structure and Confinement: A4c (Parallel A) - M2 (16:00 - 17:30)

-Conveners: Srimoyee Sen

time	[id] title	presenter
16:00	[139] Towards low-dimensionalization of four dimensional QCD	TOHME, Kei
16:30	[70] Studying Effective String Theory using deep generative models.	CELLINI, Elia
16:50	[130] An Almost Complete Yang-Mills Calculation	GRABLE, Seth
17:10	[143] Restoration of residual gauge symmetries due to topological defects and color confinement in the Lorenz, Maximal Abelian and axial-like gauges	FUKUSHIMA, Naoki