Session Program

26-30 Jul 2021



The 38th International Symposium on Lattice Field Theory

Vacuum Structure, Confinement, and Chiral Symmetry

Monday 26 July

Vacuum Structure, Confinement, and Chiral Symmetry Session Convener: Jeff Greensite
13:00-13:15 Properties of the \$\eta\$ and \$\eta^\prime\$ mesons Part I: Masses and decay constants
Speaker Jakob Simeth
13:15-13:30 Properties of the \$\eta\$ and \$\eta'\$ mesons Part II: Gluonic matrix elements Speaker Prof. Gunnar Bali
13:30-13:45 The flux tube profile in full QCD Speaker Leonardo Cosmai
13:45-14:00 Manifestations of Confinement/Deconfinement in 4D compact QED on the lattice. Speaker Lee Loveridge
14:00-14:15 The torelon spectrum and the world-sheet axion Speaker Andreas Athenodorou
14:15-14:30 Phases at finite winding number of an Abelian lattice gauge theory Speaker Paolo Stornati
14:30-14:45 Confinement from Interacting SU(3) Instanton-dyons Speaker Dallas DeMartini
14:45-15:00 On the behaviour of the interquark potential in the vicinity of the deconfinement transition.
Speaker Michele Caselle
Vacuum Structure, Confinement, and Chiral Symmetry Session Convener: Waseem Kamleh
22:00-22:15 Monopoles of the Dirac type and color confinement in QCD
Speaker Tsuneo Suzuki

ng quark confinement from the viewpoint of lattice gauge scala
Peeking into the theta vacuum of 4d Yang-Mills theory

Tuesday 27 July

	Structure, Confinement, and Chiral Symmetry onvener: Zhaofeng Liu
21:00-21:1 Speaker Atsuki Hirag	
21:15-21:3 Magnetic Speaker Akihiro Shiba	monopole dominance for the Wilson loops in higher representations
21:30-21:4 Speaker Dr Waseem	
21:45-22:0 Speaker Derek Leinw	
22:00-22:1 Speaker James Biddle	
22:15-22:3 Impact of dynamica Speaker Adam Virgili	center vortex removal on the Landau gauge quark propagator in
22:30-22:4 Speaker Kai Watanab	
22:45-23:0 Deep lear Speaker Sunkyu Lee	ning study on the Dirac eigenvalue spectrum of staggered quarks

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Thursday 29 July

05:00-05:15	
	omogeneities in the flattening of the quantum effective potential
Speaker Gergely Marko	
05:15-05:30	Looking at the analytic structure of Landau gauge propagators
Speaker	
Orlando Olivei	Га
05:30-05:45	Another look at the three-gluon vertex in the minimal Landau gaug
Speaker	
Paulo Silva	
05:45-06:00	Quark-gluon vertex with 2 flavours of O(a) improved Wilson fermio
Caralian	
Speaker	
Speaker Yui Hayashi	bles of Landau-gauge QCD propagators and general properties
Jon-Ivar Skulle 06:00-06:15 Complex po Speaker	bles of Landau-gauge QCD propagators and general properties The static potential in 2+1+1-flavor QCD
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 Speaker Christof Gattringer

 07:30-07:45
 Reconstructing QCD Spectral Functions with Gaussian Processes

 Speaker Julian Urban

 07:45-08:00

 Instanton effects on chiral symmetry breaking and hadron spectroscopy

 Speaker Dr Masayasu Hasegawa