Session Program

18-24 Aug 2024



XVIth Quark Confinement and the Hadron Spectrum

Vacuum Structure and Confinement

Cairns, Queensland, Australia Cairns Convention Centre

Monday 19 August

14:00-14:30	The standard model and the lattice
Speaker Michael Creutz	
	Functional instantance and the neuring conductor
14:30-15:00	Fractional instantons, anomalies, and the gaugino condensate
Speaker Erich Poppitz	
15:00-15:30	Weyl Fermions on a Finite Lattice
Speaker	
Srimoyee Sen	
	tructure and Confinement: A1b (Parallel A) ation: M2 Convener: Ivan Horvath
16:00-16:20	
Boundary s	tates and non-Abelian Casimir effect in lattice Yang-Mills theory
Speaker	·_
Alexey Tanashk	IN
16:20-16:40	Semiclassics for QCD vacuum structure via \$T^2\$ compactification
Speaker	
Speaker Yui Hayashi	
	Confinement in Schwinger model at finite temperature and \$\theta
Yui Hayashi 16:40-17:00 Speaker	
Yui Hayashi 16:40-17:00	Confinement in Schwinger model at finite temperature and \$\theta
Yui Hayashi 16:40-17:00 Speaker	
Yui Hayashi 16:40-17:00 Speaker Dr Hiroki Ohata 17:00-17:30 Topological	
Yui Hayashi 16:40-17:00 Speaker Dr Hiroki Ohata 17:00-17:30 Topological filtering	
Yui Hayashi 16:40-17:00 Speaker Dr Hiroki Ohata 17:00-17:30 Topological	
Yui Hayashi 16:40-17:00 Speaker Dr Hiroki Ohata 17:00-17:30 Topological filtering Speaker Georg Bergner	
Yui Hayashi 16:40-17:00 Speaker Dr Hiroki Ohata 17:00-17:30 Topological filtering Speaker Georg Bergner 17:30-18:00	structures with twisted boundary conditions and adjoint mode
Yui Hayashi 16:40-17:00 Speaker Dr Hiroki Ohata 17:00-17:30 Topological filtering Speaker Georg Bergner 17:30-18:00	
Yui Hayashi 16:40-17:00 Speaker Dr Hiroki Ohata 17:00-17:30 Topological filtering Speaker Georg Bergner 17:30-18:00 Understand	structures with twisted boundary conditions and adjoint mode

Tuesday 20 August

14:00-14:30 Centre vortex geometry at finite temperature Speaker Derek Leinweber 14:30-15:00 Reassessing the flux tube formation via center-vortex ensembles in the Speaker Luis E. Oxman 15:00-15:30 Centre vortices and gluon propagators in thermal lattice QCD with dyna fermions Speaker Christenber Delend time	
Derek Leinweber 14:30-15:00 Reassessing the flux tube formation via center-vortex ensembles in the Speaker Luis E. Oxman 15:00-15:30 Centre vortices and gluon propagators in thermal lattice QCD with dyna fermions Speaker	
14:30-15:00 Reassessing the flux tube formation via center-vortex ensembles in the Speaker Luis E. Oxman 15:00-15:30 Centre vortices and gluon propagators in thermal lattice QCD with dyna fermions Speaker	
Reassessing the flux tube formation via center-vortex ensembles in the Speaker Luis E. Oxman 15:00-15:30 Centre vortices and gluon propagators in thermal lattice QCD with dyna fermions Speaker	
Speaker Luis E. Oxman 15:00-15:30 Centre vortices and gluon propagators in thermal lattice QCD with dyna fermions Speaker	
Luis E. Oxman 15:00-15:30 Centre vortices and gluon propagators in thermal lattice QCD with dyna fermions Speaker	amical
15:00-15:30 Centre vortices and gluon propagators in thermal lattice QCD with dyna fermions Speaker	amical
Centre vortices and gluon propagators in thermal lattice QCD with dyna fermions Speaker	amical
Centre vortices and gluon propagators in thermal lattice QCD with dyna fermions Speaker	amical
fermions Speaker	
•	
Chuisteach an Dalamal Alltan	
Christopher Roland Allton	
16:20-16:40 Possible scenario of dynamical chiral symmetry breaking in the instant Speaker	on liquid
Yamato Suda	
16:40-17:00	
Further numerical evidences for the gauge-independent separation bet	ween
Confinement and Higgs phases in lattice SU(2) gauge theory with a sca	lar field i
the fundamental representation	
Speaker Akihiro Shibata	
17:00-17:30	
17:00-17:30 Does the Z boson have a lighter cousin, and other aspects of gauge Hig	gs
	ıgs

Thursday 22 August

14:00-14:30	Symmetries of large N QCD
Speaker Aleksey Cherm	an
14:30-15:00	The QCD confining string and the world-sheet axion
Speaker Andreas Athen	odorou
15:00-15:30 Phase diag	ram of QCD matter with magnetic field: domain-wall Skyrmion chair
chiral solit	
Speaker	
Kentaro Nishin	nura
	tructure and Confinement: A4c (Parallel A) ation: M2 Convener: Srimoyee Sen Towards low-dimensionalization of four dimensional QCD
Session Loc	ation: M2 Convener: Srimoyee Sen
Session Loc	ation: M2 Convener: Srimoyee Sen
Session Loc 16:00-16:30 Speaker	ation: M2 Convener: Srimoyee Sen
Session Loc 16:00-16:30 Speaker Kei Tohme	ation: M2 Convener: Srimoyee Sen
Session Loc 16:00-16:30 Speaker Kei Tohme 16:30-16:50	ation: M2 Convener: Srimoyee Sen
Session Loc 16:00-16:30 Speaker Kei Tohme 16:30-16:50 Speaker	ation: M2 Convener: Srimoyee Sen Towards low-dimensionalization of four dimensional QCD Studying Effective String Theory using deep generative models.
Session Loc 16:00-16:30 Speaker Kei Tohme 16:30-16:50 Speaker Elia Cellini	ation: M2 Convener: Srimoyee Sen Towards low-dimensionalization of four dimensional QCD Studying Effective String Theory using deep generative models.
Session Loc 16:00-16:30 Speaker Kei Tohme 16:30-16:50 Speaker Elia Cellini 16:50-17:10	ation: M2 Convener: Srimoyee Sen Towards low-dimensionalization of four dimensional QCD Studying Effective String Theory using deep generative models.
Session Loc 16:00-16:30 Speaker Kei Tohme 16:30-16:50 Speaker Elia Cellini 16:50-17:10 Speaker	ation: M2 Convener: Srimoyee Sen Towards low-dimensionalization of four dimensional QCD Studying Effective String Theory using deep generative models.
Session Loc 16:00-16:30 Speaker Kei Tohme 16:30-16:50 Speaker Elia Cellini 16:50-17:10 Speaker Seth Grable 17:10-17:30	ation: M2 Convener: Srimoyee Sen Towards low-dimensionalization of four dimensional QCD Studying Effective String Theory using deep generative models.
iession Loc 16:00-16:30 Speaker Kei Tohme 16:30-16:50 Speaker Elia Cellini 16:50-17:10 Speaker Seth Grable 17:10-17:30 Restoration	ation: M2 Convener: Srimoyee Sen Towards low-dimensionalization of four dimensional QCD Studying Effective String Theory using deep generative models. An Almost Complete Yang-Mills Calculation
Session Loc 16:00-16:30 Speaker Kei Tohme 16:30-16:50 Speaker Elia Cellini 16:50-17:10 Speaker Seth Grable 17:10-17:30 Restoration	ation: M2 Convener: Srimoyee Sen Towards low-dimensionalization of four dimensional QCD Studying Effective String Theory using deep generative models. An Almost Complete Yang-Mills Calculation of residual gauge symmetries due to topological defects and color