

36th Annual International Symposium on Lattice Field Theory

Wednesday, July 25, 2018

Theoretical Developments - Centennial (2:00 PM - 3:40 PM)

time	[id] title	presenter
2:00 PM	[M174] Towards a Dual Representation of Lattice QCD	Mr GAGLIARDI, Giuseppe
2:20 PM	[M113] Weak coupling limit of 2+1 SU(2) LGT and mass gap.	Dr T P, Sreeraj
2:40 PM	[M126] The critical endpoint in the 2-d U(1) gauge-Higgs model at topological angle $\theta = \pi$	Mr GOESCHL, Daniel
3:00 PM	[M103] Gauss' Law, Duality, and the Hamiltonian Framework of Lattice Gauge Theory	STRYKER, Jesse
3:20 PM	[M108] Finite-size scaling of Polyakov's loop in the 2D Abelian Higgs model	UNMUTH-YOCKEY, Judah

Thursday, July 26, 2018

Theoretical Developments - 107 (8:30 AM - 10:30 AM)

time	[id] title	presenter
8:30 AM	[M114] Investigation of the 1+1 dimensional Thirring model using the method of matrix product states	Prof. LIN, C.-J. David
8:50 AM	[M140] Gaussian states for the variational study of (1+1)-dimensional lattice gauge models	Dr KUEHN, Stefan
9:10 AM	[M146] A tensorial toolkit for quantum computing	MEURICE, Yannick
9:30 AM	[M194] Tensor network study of two dimensional lattice ϕ^4 theory	Mr SAKAI, Ryo
9:50 AM	[M196] SZ_2 gauge theory with tensor renormalization group	YOSHIMURA, Yusuke
10:10 AM	[M197] Quantum field theory on a causal set	SVERDLOV, Roman

Theoretical Developments - Big Ten A (11:00 AM - 1:00 PM)

time	[id] title	presenter
11:00 AM	[M128] Fermions on Simplicial Lattices and their Dual Lattices	Dr HOROWITZ, Alan
11:20 AM	[M105] Prospects for Lattice QFTs on Curved Riemann Manifolds	Prof. BROWER, Richard C.
11:40 AM	[M121] A Lattice Study of Renormalons in Asymptotically Free Sigma Models	Dr PUHR, Matthias
12:00 PM	[M108] Non perturbative physics from NSPT: renormalons, the gluon condensate and all that	Prof. DI RENZO, Francesco
12:20 PM	[M107] Lattice N=4 three-dimensional super-Yang-Mills	Prof. GIETD, Joel

Friday, July 27, 2018

Theoretical Developments - Big Ten A (2:00 PM - 4:00 PM)

time	[id] title	presenter
2:00 P	[M5] Beyond Complex Langevin: a Progress Report	WOSIEK, Jacek
2:20 P	[M91] Simulations of gaussian systems in Minkowski time	Mr RUBA, Blazej
2:40 P	[M] Scattering in Euclidean formulations of relativistic quantum theory	Prof. POLYZOU, Wayne
3:00 P	[M3] Bag representation for composite degrees of freedom in lattice gauge theories with fermions	MARCHIS, Carlotta
3:20 P	[M6] Interacting Bosons at Finite Angular Momentum Via Complex Langevin	Ms BERGER, Casey
3:40 P	[M93] Machine learning inspired analysis of the Ising model transition	Mr FOREMAN, Samuel

Theoretical Developments - 104 (4:30 PM - 6:30 PM)

time	[id] title	presenter
4:30 P	[M00] The perturbative SU(N) one-loop running coupling in the twisted gradient flow scheme	Mr IBANEZ BRIBIAN, Eduardo
4:50 P	[M28] Non-perturbative renormalization of operators in near-conformal systems using gradient flow	Prof. HASENFRATZ, Anna
5:10 P	[M67] Renormalization group properties of scalar field theories using gradient flow	CAROSSO, Andrea
5:30 P	[M] A linked cluster expansion for the Functional Renormalization Group of the Legendre effective action.	Mr BANERJEE, Rudrajit
5:50 P	[M06] SYM flow equation in N=1 SUSY	Dr KADOH, Daisuke
6:10 P	[M] Critical Point and Deconfinement in Stochastic Thermal Fields	Prof. KOZLOV, Gennady