

The 37th International Symposium on Lattice Field Theory (Lattice 2019)

Monday 17 June 2019

Theoretical Developments - Shima 1A+1B (14:20 - 16:00)

-Conveners: Daniel Nogradi

time	[id] title	presenter
14:20	[107] Non-perturbative determination of anomalous dimensions of bound states in QCD and beyond	HASENFRATZ, Anna
14:40	[206] Logarithmic Corrections to a^2 scaling in lattice Yang Mills theory	HUSUNG, Nikolai
15:00	[217] Gradient flow equation in SQCD	KADOH, Daisuke
15:20	[237] The twisted gradient flow running coupling in SU(3): a non-perturbative determination	Mr BRIBIAN, Eduardo I.
15:40	[313] Stochastic RG and Gradient Flow in Scalar Field Theory	CAROSSO, Andrea

Tuesday 18 June 2019

Theoretical Developments - Shimao 1A+1B (14:20 - 16:00)

-Conveners: Karl Jansen

time	[id] title	presenter
14:20	[153] Critical behavior of 4-dimensional Ising model with higher-order tensor renormalization group	AKIYAMA, Shinichiro
14:40	[227] Tensor network study of two dimensional complex ϕ^4 theory at finite density	SAKAI, Ryo
15:00	[43] Tensor network approach to real-time path integral	Dr TAKEDA, SHINJI
15:20	[31] Phase structure and real-time dynamics of the massive Thirring model in 1+1 dimensions using the tensor-network method	Prof. LIN, C.-J. David
15:40	[38] Entanglement suppression and emergent symmetry	KAPLAN, David

Theoretical Developments - Shimao 1A+1B (16:30 - 17:50)

-Conveners: Michele Pepe

time	[id] title	presenter
16:30	[315] Cluster-size scaling in $O(N)$ non-linear sigma models	BIETENHOLZ, Wolfgang
16:50	[314] Merons as the Relevant Topological Charge Carriers in the 2-d $O(3)$ Model	PINTO BARROS, Joao C.
17:10	[23] Resurgence and fractional instanton of the $SU(3)$ gauge theory in weak coupling regime	ITOU, Etsuko
17:30	[24] Lattice study on the twisted CP^{N-1} models on $R \times S^1$	MISUMI, TATSUHIRO

Wednesday 19 June 2019

Theoretical Developments - Shima 3A (09:00 - 10:40)

-Conveners: SHINJI TAKEDA

time	[id] title	presenter
09:00	[140] $(1+1)$ -d $U(1)$ Quantum Link Models from Effective Hamiltonians of Dipolar Molecules	SHEN, Jiayu
09:20	[159] Tailoring Non-Abelian Gauge Theory for Digital Quantum Simulation	STRYKER, Jesse
09:40	[53] Tensor network formulation of quantum gravity	CATTERALL, simon
10:00	[246] A qubit realization of $O(N)$ sigma models	SINGH, Hersh
10:20	[272] The Hubbard model in the canonical formulation	Mr WENGER, Urs

Thursday 20 June 2019

Theoretical Developments - Shima 1A+1B (14:00 - 15:40)

-Conveners: George Fleming

time	[id] title	presenter
14:00	[94] New developments for worldline and worldsheet representations of lattice field theories	GATTRINGER, Christof
14:20	[93] Worldsheet formulation and topological terms in abelian lattice gauge theories	Ms ANOSOVA, Maria
14:40	[184] Accessing 3D CFTs in Radial Quantization on the Lattice	GASBARRO, Andrew David
15:00	[162] The Anomaly Inflow of the domain-wall fermion in odd dimension	MATSUKI, Yoshiyuki
15:20	[211] Stabilised Wilson fermions for QCD on very large lattices	FRITZSCH, Patrick

Theoretical Developments - Shima 1A+1B (16:10 - 17:10)

-Conveners: Tetsuya Onogi

time	[id] title	presenter
16:10	[72] Domain-wall fermion and Atiyah-Patodi-Singer index	Dr FUKAYA, Hidenori
16:30	[164] Atiyah-Patodi-Singer index theorem on a lattice	KAWAI, Naoki
16:50	[277] The nature of spontaneous and dynamical gauge symmetry breaking	Prof. GREENSITE, Jeff

Friday 21 June 2019

Theoretical Developments - Shima 1A+1B (14:00 - 15:40)

-Conveners: Richard Brower

time	[id] title	presenter
14:00	[63] TKNN formula for general lattice Hamiltonian in odd dimensions	ONOGI, Tetsuya
14:20	[130] Spectral Methods and Running Scales in Causal Dynamical Triangulations	CLEMENTE, Giuseppe
14:40	[126] The meson spectrum of large N gauge theories	Prof. GONZALEZ-ARROYO, Antonio
15:00	[160] Numerical study of ADE-type $\mathcal{N}=2$ Landau-Ginzburg models	MORIKAWA, Okuto