

The 33rd International Symposium on Lattice Field Theory (Lattice 2015)

Wednesday, 15 July 2015

Theoretical Developments - 406 (14:00 - 16:00)

-Conveners: Yannick Meurice

time	[id] title	presenter
14:00	[77] Renormalizability of the Schrödinger Functional.	Prof. KENNEDY, Anthony
14:20	[340] Convergent Perturbation Theory for ϕ^4 model on lattice	Mr IVANOV, Aleksandr
14:40	[23] Induced YM theory with auxiliary bosons	LOHMAYER, Robert
15:00	[175] Renormalization of two-dimensional XQCD	Mr YAMAMURA, Ryo
15:20	[218] Combining ordinary and topological finite volume effects for fixed topology simulations	Mr DROMARD, Arthur
15:40	[2] Three particles in a finite volume	Dr RUSSETSKY, Akaki

Theoretical Developments - 406 (16:30 - 18:30)

-Conveners: Anthony Kennedy

time	[id] title	presenter
16:30	[10] Hamiltonian simulation of lattice gauge theories	Mr BUYENS, Boye
16:50	[220] Real-time simulation of dissipation-driven quantum Systems	Dr BANERJEE, Debasish
17:10	[258] Lefschetz-thimble path integral for solving the mean-field sign problem	Mr TANIZAKI, Yuya
17:30	[219] Thermal evolution of the 1-flavour Schwinger model with using Matrix Product States	Dr SAITO, Hana
17:50	[99] Tensor renormalization group analysis of CP(N-1) model in two dimensions	Mr KAWAUCHI, Hikaru
18:10	[173] Approaching conformality with the Tensor Renormalization Group method	Prof. MEURICE, Yannick

Thursday, 16 July 2015

Theoretical Developments - 402 (10:40 - 12:00)

-Conveners: **Tatsuhiko Misumi**

time	[id] title	presenter
10:40	[32] Pion spectrum for the 2-flavor staggered Wilson fermion	Mr ZIELINSKI, Christian
11:00	[197] Flavor Filtered Fermions	OSBORN, James
11:20	[257] Charged particles in QED with C^* boundary conditions I	Dr PATELLA, Agostino
11:40	[256] Charged particles in QED with C^* boundary conditions II	Dr TANTALO, Nazario

Friday, 17 July 2015

Theoretical Developments - 402 (14:00 - 16:00)

-Conveners: Richard Brower

time	[id] title	presenter
14:00	[297] (Dimensional) twisted reduction in large N gauge theories	Dr RAMOS, Alberto
14:20	[168] Large N meson propagators from twisted space-time reduced model	Prof. OKAWA, Masanori
14:40	[299] Topology and glueballs in \$SU(7)\$ Yang-Mills with open boundary conditions	Dr AMATO, Alessandro
15:00	[51] Diagrammatic Monte-Carlo algorithms for large-N quantum field theories from Schwinger-Dyson equations	Dr BUIVIDOVICH, Pavel
15:20	[139] Numerical study of complex instantons in the Gross-Witten U(N) matrix model	Mr VALGUSHEV, Semen
15:40	[4] Matrix Geometry and Coherent States	Prof. ISHIKI, Goro

Theoretical Developments - 402 (16:30 - 18:10)

-Conveners: Masanori Okawa

time	[id] title	presenter
16:30	[191] Lattice Conformal Field Theory on the Reimann Sphere	Prof. BROWER, Richard
16:50	[259] Scalar field theory on a 2-sphere using quantum finite element method (QFEM)	Dr FLEMING, George
17:10	[261] Spherical Finite Elements for Lattice Radial Quantization	Mr GASBARRO, Andrew
17:30	[16] Encoding field theories into gravities	Prof. AOKI, Sinya
17:50	[95] Summary of Super Doubler Approach on Exact Lattice Supersymmetry	Prof. KAWAMOTO, Noboru

Saturday, 18 July 2015

Theoretical Developments - 402 (09:00 - 11:00)

-Conveners: Goro Ishiki

time	[id] title	presenter
09:00	[252] Lattice gradient flow with tree-level $O(a^4)$ improvement in pure Yang-Mills theory	Mr KAMATA, Norihiko
09:20	[147] Renormalization constants of the lattice energy momentum tensor using the gradient flow	Mr CAPPONI, Francesco
09:40	[84] (2+1)-flavor QCD Thermodynamics from the Gradient Flow	Dr ITOU, Etsuko
10:00	[88] Background field method in the gradient flow	Prof. SUZUKI, Hiroshi
10:20	[12] Generalized Gradient Flow Equation and Its Applications	Dr KIKUCHI, Kengo
10:40	[237] The Wilson flow in scalar field theory	Ms EHRET, Susanne