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The 35th International Symposium on Lattice Field Theory

Wednesday 21 June 2017

Theoretical Developments - Andalucía I (09:00-11:00)

- Conveners: catterall, simon

time	title	presenter
09:00	Lattice simulation with the Majorana positivity	YAMAMOTO, Arata
09:20	Truncation of lattice N=4 super Yang-Mills	GIEDT, Joel
09:40	Loop equation in Lattice gauge theories and bootstrap-like methods	KRUCZENSKI, Martin
10:00	4D $\mathcal{N}=1$ SYM supercurrent in terms of the gradient flow	KASAI, Aya
10:20	An Alternative Lattice Field Theory Formulation Inspired by Lattice Supersymmetry: an Overview.	D'ADDA, Alessandro KAWAMOTO, Noboru
10:40	An Alternative Lattice Field Theory Formulation Inspired by Lattice Supersymmetry, -Associativity and Regularization-	KAWAMOTO, Noboru

Theoretical Developments - Andalucía I (11:30-13:30)

- Conveners: Prof. Chandrasekharan, Shailesh

time	title	presenter
11:30	Wavelets and Lattice Field Theory	NEUBERGER, Herbert
11:50	Abelian Color Cycle approach for the dualization of non-abelian lattice field theories	MARCHIS, Carlotta
12:10	Kramers-Wannier duality with Abelian Color Fluxes for the SU(2) principal chiral model	GATTRINGER, Christof
12:30	Status of QFE Lattice Field Theory on Spheres and Cylinders	BROWER, Richard
12:50	Development of Grassmann higher order tensor renormalization group	YOSHIMURA, Yusuke
13:10	Duals of U(N) LGT with staggered fermions	BORISENKO, Oleg

Thursday 22 June 2017

Theoretical Developments - Andalucía I (15:00-16:40)

 - **Conveners: Dr. Dalla Brida, Mattia**

time	title	presenter
15:00	Exponential reduction of finite volume effects with twisted boundary conditions	CHERMAN, Aleksey
15:20	Local multiboson factorization of the quark determinant	CÈ, Marco
15:40	High-order perturbative expansions in massless gauge theories with NSPT	FILACI, Gianluca
16:00	Extracting observables from lattice data in the three-particle sector	RUSETSKY, Akaki
16:20	Hubbard-Stratonovich like transformations for few-body interactions	KOERBER, Christopher

Theoretical Developments - Andalucía I (17:10-19:10)

 - **Conveners: Prof. Onogi, Tetsuya**

time	title	presenter
17:10	Positive Representations of a Class of Complex, Periodic Measures	WOSIEK, Jacek
17:30	On a modification method of Lefschetz thimbles	TSUTSUI, Shoichiro
17:50	Probabilistic representations of oscillatory integrals	RUBA, B■a■ej
18:10	Convergent expansions for lattice models with and without sign problem	SAZONOV, Vasily
18:30	Matching Conditions in Complex Langevin Approach	WYRZYKOWSKI, Adam
18:50	Function Support and Localization	HORVATH, Ivan

Friday 23 June 2017

Theoretical Developments - Andalucía I (15:00-16:40)

  - Conveners: Prof. Gattringer, Christof

time	title	presenter
15:00	Large N scaling and factorization in SU(N) Yang-Mills gauge theory	GARCÍA VERA, Miguel Francisco
15:20	Generating a mass gap using Feynman diagrams in an asymptotically free theory	CHANDRASEKHARAN, Shailesh
15:40	Atiyah-Patodi-Singer index theorem for domain-wall fermion Dirac operator	ONOGI, Tetsuya
16:00	One-loop perturbative coupling of A and $A_\star$ through the chiral overlap operator	MORIKAWA, Okuto
16:20	Topological Susceptibility under Gradient Flow	MEJIA-DIAZ, Hector

Theoretical Developments - Andalucía I (17:10-19:10)

  - Conveners: Dr. CIchy, Krzysztof

time	title	presenter
17:10	Plasmon mass scale and quantum fluctuations of classical fields on a real time lattice	PEURON, Jarkko
17:30	Loop-TNR analysis of CP(1) model with theta term	KAWAUCHI, Hikaru
17:50	Tensor Network study of the (1+1)-dimensional Thirring model	TAN, David Tao-Lin
18:10	Application of tensor network method to two dimensional lattice $\mathcal{N}=1$ Wess$\unicode{x2013}$Zumino model	SAKAI, Ryo
18:30	RG inspired Machine Learning for lattice field theory	MEURICE, Yannick
18:50	Theta-angle, global symmetries and sign problem in compact 1+1D U(1) gauge theories	SULEJMANPASIC, Tin