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

Tuesday 18 June 2019

Algorithms and Machines - Shimao 3B (14:20 - 16:00)

-Conveners: Kate Clark

time	[id] title	presenter
14:20	[224] QCD on the Modular Supercomputer	GREGORY, Eric Brittain
14:40	[311] Lattice QCD codes on Taihu-Light Supercomputer	GONG, Ming
15:00	[312] GPU inverters on ROCm	BI, Yujiang
15:20	[111] Leadership-Class Multi-Grid Algorithms for HISQ Fermions on GPUs	WEINBERG, Evan
15:40	[188] Breaking the latency barrier: Strong scaling LQCD on GPUs	WAGNER, Mathias

Wednesday 19 June 2019

Algorithms and Machines - Shimao 5 (09:00 - 10:40)

-Conveners: Patrick Steinbrecher

time	[id] title	presenter
09:00	[99] Hadrons: a Grid-powered workflow management system for lattice QCD measurements	Dr PORTELLI, Antonin
09:20	[40] Towards higher order numerical stochastic perturbation computation applied to the twisted Eguchi-Kawai model	ISHIKAWA, Ken-Ichi
09:40	[125] Formulating Lattice Field Theory for a Quantum Computer	BROWER, Richard

Thursday 20 June 2019

Algorithms and Machines - Shimao 5 (14:00 - 15:40)

-Conveners: Ming Gong

time	[id] title	presenter
14:00	[262] 2+1 Flavor Domain Wall Fermion QCD Lattices: Ensemble Production and (some) Properties	MAWHINNEY, Robert
14:20	[185] Distance between configurations in MCMC simulations and the geometrical optimization of the tempering algorithms	MATSUMOTO, Nobuyuki
14:40	[252] Improved algorithms for generalized thimble method	ALEXANDRU, Andrei
15:00	[168] Flow-based generative models for MCMC in lattice field theory	KANWAR, Gurtej
15:20	[128] Accelerating topological transitions in the 2D Schwinger Model.	HOWARTH, Dean

Friday 21 June 2019

Algorithms and Machines - Shimao 5 (14:00 - 15:40)

-Conveners: Andrei Alexandru

time	[id] title	presenter
14:00	[136] Disconnected Loop Subtraction Methods in Lattice QCD	WHYTE, Travis
14:20	[174] Frequency-splitting estimators of single-propagator traces	HARRIS, Tim
14:40	[104] Sparsening Algorithm for Multi-Body Correlation Functions	MURPHY, David
15:00	[297] Machine Learning in Lattice QCD: Confinement/Deconfinement classification in SU(2) and SU(3).	BOYDA, Denis
15:20	[173] Classifying topological sector via machine learning	Prof. KITAZAWA, Masakiyo