

32nd International Symposium on Lattice Field Theory (Lattice 2014)

Monday, 23 June 2014

Algorithms and Machines: Parallel 1F - 415 Schapiro (14:15 - 15:55)

-Conveners: Mike Clark

time	[id] title	presenter
14:15	[43] Dynamical QCD+QED simulation with staggered quarks	Dr ZHOU, Ran
14:35	[411] Application of Adaptive Multigrid Algorithm in Hybrid Monte Carlo Simulations	Dr LIN, Meifeng
14:55	[392] Diffusion of topological charge and scaling of autocorrelation times in hybrid Monte Carlo simulations of lattice QCD	Mr MCGLYNN, Greg
15:15	[67] Multigrid Preconditioning for the Overlap Operator	Mr ROTTMANN, Matthias
15:35	[403] The FUEL code project	OSBORN, James

Algorithms and Machines: Parallel 2F - 415 Schapiro (16:30 - 18:30)

-Conveners: James Osborn

time	[id] title	presenter
16:30	[260] CLS 2+1 flavor simulations	Dr KORCYL, Piotr
16:50	[397] Adaptive Multigrid Solvers for LQCD on GPUs	Dr CLARK, M
17:10	[194] Extending the QUDA library with the EigCG solver	Dr STRELCHENKO, Alexei
17:30	[302] Achieving strong scaling in many-GPU calculations in lattice QCD	Dr FOLEY, Justin
17:50	[168] Coulomb and Landau Gauge Fixing in GPUs using CUDA and MILC	Dr CARDOSO, Nuno
18:10	[270] Staggered Dslash Performance on Intel Xeon Phi Architecture	Ms LI, Ruizi

Friday, 27 June 2014

Algorithms and Machines: Parallel 8F - 203 Math (14:15 - 15:55)

-Conveners: Steve Gottlieb

time	[id] title	presenter
14:15	[424] An algorithm for thimble regularization of lattice field theories (and possibly not only for that)	Dr DI RENZO, Francesco
14:35	[149] A Method to Calculate Conserved Currents and Fermionic Force for the Lanczos Approximation to the Overlap Dirac Operator	Mr PUHR, Matthias
14:55	[340] Conjugate Directions in Landau and Coulomb Lattice Gauge Fixing	Dr HUDSPITH, Renwick
15:15	[213] A filtering technique for the temporally reduced matrix of the Wilson fermion determinant	Dr NAGATA, Keitaro
15:35	[151] pyQCD: A Native Lattice Simulation Package for Python	Mr SPRAGGS, Matthew