

Advances in quantum Monte Carlo techniques for non-relativistic many-body systems

July 8 - 12, 2013

Monday, July 8, 2013

Room C421, Physics/Astronomy Tower

- 9:50 am: Greetings and brief introduction
- 10:00 am: Kevin Schmidt, Arizona State University
"Pairing wave functions for quantum Monte Carlo"

Tuesday, July 9, 2013

Room C421, Physics/Astronomy Tower

- 10:00 am: Cyrus Umrigar, Cornell University
"Semistochastic Quantum Monte Carlo – A hybrid of Exact Diagonalization and Quantum Monte Carlo methods"
- 11:30 am: Matthias Troyer, ETH Zurich
"Continuous time solvers for quantum impurity problems and the equation of state of the 3D Hubbard model"

Wednesday, July 10, 2013

Room C421, Physics/Astronomy Tower

- 10:00 am: Shailesh Chandrasekharan, Duke University
"The Fermion Bag Approach to Fermion Sign Problems"
- 11:30 am: Eric Neuscamman, University of California Berkeley
"Gluing Coupled Cluster to Geminal Powers with Quantum Monte Carlo"

Thursday, July 11, 2013

Room C421, Physics/Astronomy Tower

- 10:00 am: Dean Lee, North Carolina State University
"Latest Results from Nuclear Lattice Effective Field Theory"
- 11:30 am: Amy Nicholson, University of Maryland
"Lattice QCD study of baryon properties in a meson medium"

Friday, July 12, 2013

Room C421, Physics/Astronomy Tower

- 10:00 am: Norm Tubman, University of Illinois
"Renyi Entropy of Interacting Coulombic Systems"
- 11:30 am: Bryan Clark, Microsoft Research
"Moving toward better finite temperature fermions"

Please send your talks to janine@phys.washington.edu or bring them to me in C411.

INT Program INT13-2a Participants July 8-12, 2013

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Some office and phone numbers are tentative.

Please send a .pdf or .ppt of your presentation to janine@phys.washington.edu or bring it to me in C411. Thanks!