

INT Program INT13-2a

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

July 29 – August 2, 2013

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**Monday, July 29, 2013**

**Room C421, Physics/Astronomy Tower**

- 9:55 am: Greetings and brief introduction
- 10:00 am: Diego Lonardoni, University of Trento  
"The strange way from nuclei to neutron stars: a Quantum Monte Carlo approach"

**Tuesday, July 30, 2013**

**Room C421, Physics/Astronomy Tower**

- 10:00 am: Joseph Carlson, LANL  
"The Inhomogeneous Unitary Fermi Gas"

**Wednesday, July 31, 2013**

**Room C421, Physics/Astronomy Tower**

- 10:00 am: Nir Barnea, The Hebrew University, Jerusalem  
"Nuclear Physics with heavy pions - EFT for LQCD"

**Thursday, August 1, 2013**

**Room C421, Physics/Astronomy Tower**

- 10:00 am: Grigori Astrakharchik, Universitat Politècnica de Catalunya  
"Diffusion Monte Carlo: symmetric trial wave function for a solid and pure estimators for one-body density matrix"

**Friday, August 2, 2013**

**Room C421, Physics/Astronomy Tower**

- 10:00 am: Gabriel Wlazlowski, Warsaw University of Technology / University of Washington  
"Response functions of the unitary Fermi gas from quantum Monte Carlo simulations"

Please send your talks to [janine@phys.washington.edu](mailto:janine@phys.washington.edu) or bring them to me in C411.

**INT Program INT13-2a Participants** July 29 –August 2, 2013

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**Please send a .pdf or .ppt of your presentation to [janine@phys.washington.edu](mailto:janine@phys.washington.edu) or bring it to me in C411. Thanks!**