

Universality in Few-Body Systems: Theoretical Challenges and New Directions

April 21 - 25, 2014

Monday, April 21, 2014**Room C421, Physics/Astronomy Tower**

10:30 am: Eite Tiesinga, Univ of Maryland

"Controlling the Group Velocity of Colliding Atomic Bose-Einstein Condensates with Feshbach Resonances"**Tuesday, April 22, 2014****Room C421, Physics/Astronomy Tower**

10:30 am: Nir Barnea, Hebrew Univ

"Experimental evaluation of the nuclear neutron-proton contact"

11:30 am: Xilin Zhang, Ohio Univ

" Combining ab initio calculations and effective field theory for loosely bounded systems: The case of Lithium-7 + neutron -> Lithium-8+ photon and Beryllium-7 + proton -> Boron-8 + photon "**Wednesday, April 23, 2014****Room C421, Physics/Astronomy Tower**

10:30 am: Aleksandr Shebeko, Kharkov Institute of Physics & Technology

" A fresh approach to the theory of electromagnetic interactions with nuclei (bound systems) and the method of unitary clothing transformations in quantum field theory "**Thursday, April 24, 2014****Room C421, Physics/Astronomy Tower**

10:30 am: Svetlana Kotochigova, Temple Univ

" Long-range Universality and Chaos in Ultracold Collisions of the Highly Magnetic Atoms "

11:30 am: Joaquin Drut, Univ of NC, Chapel Hill

" A random walk towards the pressure of all quantum gases"**Friday, April 25, 2014****Room C421, Physics/Astronomy Tower**

10:30 am: Oleg Kartavtsev, Joint Institute for Nuclear Research

"Complete universal description of the three-body spectrum of two-component fermions"**INT Program Participants April 21 - 25, 2014**

Nir Barnea	The Hebrew Univ	nir@phys.huji.ac.il	4/19-4/26	C437	5-3620
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	Technology				
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