


## INT Program INT 15-1

### Frontiers in Quantum Simulation with Cold Atoms

March 23 – May 8, 2015



**Monday, April 27, 2015**

Room C-421, Physics/Astronomy Tower

- 9:30am Thierry Giamarchi, University of Geneva  
"Measuring local Green's functions: a scanning tunneling microscope for cold atoms"
- 10:30am Xiwen Guan, Wuhan Institute of Physics and Mathematics, Chinese Academy of Science  
"Wilson ratio: the essence of quantum liquids"

**Tuesday, April 28, 2015**

Room C-421, Physics/Astronomy Tower

- 9:30am W. Vincent Liu, University of Pittsburgh  
"Chiral Bose and Fermi phases in optical lattices"
- 10:30am Shun Uchino, University of Geneva  
"Unconventional superfluid states in two-leg ladder systems"

**Wednesday, April 29, 2015**

Room C-421, Physics/Astronomy Tower

- 9:30am Sungkit Yip, Academia Sinica  
"Fragmented States of Spin-2 Bosons"
- 10:30am Sergej Moroz, University of Colorado, Boulder  
"Few- and many-body quantum physics of p-wave interacting fermions in two dimensions"

**Thursday, April 30, 2015**

Room C-421, Physics/Astronomy Tower

- 10:00am Subhadeep Gupta, University of Washington  
"Experiments with Ultracold Mixtures of Lithium and Ytterbium Atoms"

**Friday, May 1, 2015**

Room C-421, Physics/Astronomy Tower

Open Discussions

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