

INT Workshop 13-53W  
**Nuclear Reactions from Lattice QCD**  
March 11-12, 2013



Monday March 11, 2013

8:00 - 8:55 Registration in the INT, Room C411

All Talks and Discussion Sessions in C-520

8:55 - 9:00 Welcome

9:00 - 9:30 Thomas Luu - Introduction

9:45 - 10:30 Petr Navratil - "Ab initio many-body calculations of nuclear scattering and reactions"

10:30 - 11:30 Discussion Session

11:30 - 1:30 Lunch

1:30 - 2:00 Zohreh Davoudi - "Three-particle scattering amplitudes from a finite volume formalism"

2:15 - 3:00 Maxwell Hansen - "Towards a relativistic, model-independent relation between the finite-volume spectrum and three-particle scattering amplitudes"

3:00 - 3:45 Discussion Session

6:00 Optional Dinner

Tuesday March 12, 2013

9:00 - 9:45 Dean Lee - "Progress towards nuclear scattering and reactions in lattice effective field theory"

10:00 - 10:45 Gautam Rupak - "Radiative Capture Reactions in Lattice Effective Field Theory"

11:00 - 12:00 Discussion Session

12:00 - 1:30 Lunch

1:30 - 2:00 Raul Briceno - "Nuclear physics in a box"

2:15 - 2:45 Sinya Aoki - "Extensions of the HAL QCD approach to inelastic and multi-particle scatterings in lattice QCD"

3:00 - 3:30 Achim Schwenk - "Lattice QCD input for nuclear structure"

3:30 - 4:30 Discussion Session

4:30 - 5:00 Martin Savage - Closing Remarks

6:00 Optional Happy Hour