

# TSI2015

## TRIUMF Summer Institute 2015

July 13-24, 2015

TRIUMF  
Vancouver, BC Canada

**Theory for exploring  
experiments in light and  
medium-mass nuclei**

### Lecturers and Topics:

Klaus Blaum (MPI Heidelberg) – Nuclear mass measurements  
Pierre Capel (EP Brussels) – Introduction to nuclear reactions  
Alexandra Gade (Michigan State University) – Experiments with exotic nuclei  
Jason Holt (TRIUMF) – Ab initio approaches to medium-mass nuclei  
Augusto Macchiavelli (Lawrence Berkeley National Lab) – Nuclear spectroscopy  
Alfredo Poves (University of Madrid) – The shell model and nuclear structure  
Sofia Quaglioni (Lawrence Livermore National Lab) – Ab initio many-body theory of nuclear reactions  
Robert Roth (TU Darmstadt) – Ab initio approaches to light nuclei  
Olivier Sorlin (GANIL) – Shell evolution and nuclear forces

### Organizers:

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