



# WINTER GRADUATE SCHOOL ON ATOMIC, MOLECULAR AND OPTICAL PHYSICS: ULTRACOLD RYDBERG PHYSICS



B2 Institute

## JANUARY 4 - 12, 2014

### 2014 THEME

Ultracold Rydberg atoms and molecules many-body physics in cold Rydberg gases, field control of Rydberg atoms, applications to quantum optics and quantum information.

### REQUIREMENTS

Students must have quantum mechanics background and be interested in exploring graduate research in AMO physics.

### REGISTRATION

Registration opens in September. Cost will include full accommodation, meals, and transportation to and from Tucson International Airport.

For updates and to join the mailing list, visit itamp's website:  
<http://itamp.harvard.edu/winterschool2014.html>



In collaboration with the Marie Curie ITN network - COHERENCE

## LECTURERS

Charles Adams, (*Durham*)  
Barry Dunning, (*Houston*)  
Tom Gallagher, (*Charlottesville*)  
Misha Lukin, (*Cambridge*)  
Tilman Pfau, (*Stuttgart*)

Thomas Pohl, (*Dresden*)  
Jan-Michael Rost, (*Dresden*)  
Mark Saffman, (*Madison*)  
Peter Schmelcher, (*Hamburg*)  
Matthias Weidemüller, (*Heidelberg*)

Organized by:

The Institute for Theoretical Atomic, Molecular and Optical Physics\* and the B2 Institute

\*ITAMP is funded by the National Science Foundation