



# WINTER GRADUATE SCHOOL ON ATOMIC, MOLECULAR AND OPTICAL PHYSICS: ULTRAFAST AND ULTRA STRONG



B2 Institute

**JANUARY 4-12, 2016**

## 2016 THEME

### Ultrafast and Ultrastrong

Ultrashort laser pulse design and techniques for probe of atomic, molecular and condensed matter systems are rapidly changing how we view and interpret dynamics at the microscopic scale. This pedagogical winter school is grounded in understanding the fundamentals of ultrafast and ultrastrong reactions, as well as in details of the latest technical advances in experiment and theory.

## 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 website:  
[itamp.harvard.edu/winterschool2016.html](http://itamp.harvard.edu/winterschool2016.html)

## INVITED LECTURERS

Phil Bucksbaum (Stanford University)  
Paul Corkum (University of Ottawa)  
Brett Esry (KSU)  
Lars Madsen (Aarhus Universitet)

Margaret Murnane (JILA)  
Ken Schafer (Louisiana State University)  
Anthony Starace (University of Nebraska)  
Linda Young (Argonne National Lab)

Organized by:

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

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