



ASPEN CENTER FOR PHYSICS

2017 WINTER CONFERENCE

QUANTUM DYNAMICS: FROM MODELS TO MATERIALS

January 15-21, 2017

Sunday evening reception

Meetings Monday through Saturday noon

Remarkable experimental and theoretical developments in the last few years have led to a deeper understanding of the real-time dynamics of quantum many-body systems. On the theory front, the principles underlying the thermalization (or lack thereof) of quantum systems subject to different kinds of external driving, disorder, interactions and resulting internal ordering are just being discovered. Simultaneously, numerical methods have become more powerful in exploring quantum many-body dynamics. Experimental systems which have provided a window on the nature of quantum coherent dynamics include cold atomic gases, disordered superconductors and ultra-fast spectroscopic probes. This Aspen winter meeting brings together leading practitioners in the respective communities for a coherent push on the non-equilibrium frontier.

A limited amount of financial support towards attending will be available.

Application deadline is October 31, 2016

Please complete your application at:

<http://www.aspenphys.org/physicists/winter/winterapps.html>

ORGANIZERS:

Anushya Chandran, Boston University

Roderich Moessner, Max Planck Institute for the Physics of Complex Systems (Dresden)

*Daniel Podolsky, Technion-Israel Institute of Technology

Ulrich Schneider, University of Cambridge

**Denotes physicist in charge of diversity*

Proposals for the 2018 Winter Conferences are invited and must be submitted by January 15, 2017

The Aspen Center for Physics is committed to a significant participation of women and under-represented groups in all of its programs.

Aspen Center for Physics
700 West Gillespie Street
Aspen, CO 81611

phone: 970.925.2585 email: jane@aspenphys.org



The Aspen Center for Physics is supported by the National Science Foundation Grant No. PHY-1066293