



# ASPEN CENTER FOR PHYSICS

2013 WINTER CONFERENCE

ON

**ASTROPHYSICS**

January 28 – February 3, 2013

Monday evening reception

Meetings Tuesday morning through Sunday noon

## CLOSING IN ON DARK MATTER

Dark matter is a cornerstone of the cosmological Standard Model, but we only have evidence for it through its gravitational effects. Experimental results to date have provided inconclusive but tantalizing evidence for the particle nature of dark matter. In the coming months, experimental developments are expected to shed light on some of its fundamental properties. A significant advance in our understanding may follow. The complementary approaches to detecting dark matter are reaching sensitivities which will probe many dark matter theories. At the same time, there has been exciting new research elucidating the possible theoretical frameworks for dark matter. This Aspen Winter Workshop will focus on synthesizing these latest experimental results and theoretical developments, determining the implications for dark matter properties, and pinpointing future directions in this rapidly evolving field.

**Application deadline is November 15, 2012**

Conference Website: <https://indico.cern.ch/conferenceDisplay.py?confId=197862>

Please complete your application at [www.aspenphys.org](http://www.aspenphys.org)

#### ORGANIZERS:

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

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