

ASPEN CENTER FOR PHYSICS

2013 SUMMER PROGRAM May 26 to September 15, 2013

The program of the Aspen Center for Physics is based on individual and collaborative research and the informal exchange of ideas. In an environment free from normal distractions, more than five hundred scientists from over a hundred U.S. and international institutions participate in the Center's summer program with eighty to ninety in residence at any one time. Research interests include astrophysics, biophysics, condensed matter physics, dynamical systems, elementary particle physics, mathematical physics and statistical physics. The stimulating interaction among participants with diverse interests and backgrounds is one of the most fruitful aspects of the program. Opportunities for collaboration and for initiating new research are always available as colleagues from a variety of subfields are present throughout the summer. In addition to the unstructured program of Individual Research and Working Groups, Informal Workshops are also scheduled.

Individual Research, any physicist can apply in this category May 26 to Sept 15
Working Groups, for 3 to 5 collaborators May 26 to Sept 15

Informal Workshops

The Origins of Stellar Clustering from Fragmenting Clouds to the Build-Up of Galaxies. May 26 to June 16
The Obscured Universe: Dust and Gas in Distant Starburst Galaxies May 26 to June 16
Lattice Gauge Theory in the LHC Era. May 26 to June 16
Physics of Functional Biological Assemblies: Pushing, Pulling and Sensing. May 26 to June 30
The Next Decade of Weak Lensing Science. June 16 to July 7
Disorder, Dynamics, Frustration and Topology in Quantum Condensed Matter June 16 to July 21
Mathematics of Superconformal Field Theory July 7 to Aug 4
The Milky Way as a Laboratory for Galaxy Formation July 21 to Aug 11
Optical Lattice Emulators and Beyond. Aug 4 to Aug 25
Implications of LHC Higgs-Like Signals Aug 11 to Sept 1
Dark Matter in Galaxies, the LHC and Direct and Indirect Searches:
Are We Near the End of the Road?. Aug 18 to Sept 15
Multi-Component Many-Body Systems Aug 25 to Sept 15
Astrophysical Mechanisms of Particle Acceleration and Escape from the Accelerators Sept 1 to Sept 15

Proposals for 2014 Summer Workshops are invited.

Proposal information and submission are available on our website at www.aspenphys.org. Proposals should be completed by June 30, 2013.

Those received after this date will be considered only in exceptional circumstances.

Proposals for the 2014 Winter Conferences are also invited.

They should be completed by January 15, 2013.

Physicists who wish to pursue a serious program of research at the Center are invited to apply. Applications by small working groups and independent researchers are *strongly encouraged*. An effort is made to select a diversity of participants from a wide field of physics, ranging in experience from post-doctoral fellows to senior scientists, and representing a variety of institutions. Special consideration is given to physicists who have never participated or who have not participated recently. The Aspen Center for Physics is committed to the significant participation of women and under-represented groups in all of its programs. While there are no experimental facilities available, experimentalists are encouraged to participate in the Center's programs.

Many summer participants bring their families with them to Aspen. Numerous childcare and day camp options are available within the Aspen/Snowmass area and current information and advice is available through the Center and local websites. Weekly picnics at the Physics Center give families an opportunity to meet and share activities.

Individual participants must provide their own salaries from their contracts, grants, fellowships or regular appointments. Through a grant from the NSF, the Center provides partial financial support for the housing we arrange for you.

Application Deadline is January 31, 2013

More detailed information and online applications at www.aspenphys.org

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The Aspen Center for Physics continues to be guided by a policy of equal opportunity and non-discrimination.

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

