PHYSICS IN ASPEN: SIMONS FOUNDATION GRANT

Attend workshops in Astrophysics, Biophysics, Condensed Matter Physics or Particle Physics

The rigorous selection process examines your publications and work in your field. Most successful candidates have finished their doctoral degrees. Applications are due by January 31, 2015 at aspenphys.org. Select “For Physicists” then “Summer.”

May 24, 2015 to September 12, 2015

Come for two to five weeks to work on your own research or join one of 12 workshops

The Simons Foundation Grant pays registration, housing and some travel for physicists from countries with inadequate science funding to attend the Aspen Center for Physics. ACP is a theoretical physics research center since 1962. Over 1000 scientists per year meet in the Rocky Mountains in Colorado, accessible by air or by driving from Denver.

ASPEN CENTER FOR PHYSICS
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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 24 to Sept 13
Working Groups, for 2 to 6 collaborators .................................................................May 24 to Sept 13
Informal Workshops
Understanding Strongly Coupled Systems in High Energy and Condensed Matter Physics .....................................................May 24 to June 14
The Dynamic Universe; Understanding ExaScale Astronomical Synoptic Surveys ..........................................................May 24 to June 14
CSU PTA: Computation, Systematics, and Inference for Pulsar-Timing Arrays, and Beyond .............................................May 24 to June 21
Primordial Physics ..............................................................................................June 14 to July 5
Physics and Mathematics of Viral Assembly .....................................................June 14 to July 5
The Physics of Accretion and Feedback in the Circum-Galactic Medium ....June 21 to July 12
From Scattering Amplitudes to the Conformal Bootstrap ....................................July 5 to July 26
Ultra-Cold Quantum Matter with Atoms and Molecules ......................................July 12 to Aug 9
Neutrinos from Space and on Earth .................................................................July 26 to Aug 16
New Directions to Shed Light on Dark Matter ................................................Aug 9 to Sept 13
Beyond Quasiparticles: New Paradigms for Quantum Fluids ..........................Aug 16 to Sept 13
F-Theory at the Interface of Particle Physics and Mathematics ..........................Aug 16 to Sept 13

Proposals for 2016 Summer Workshops are invited.
Proposal information and submission are available on our website at www.aspenphys.org. For full consideration, proposals should be submitted by May 30. Those received after this date will be considered only in exceptional circumstances.

Proposals for the 2016 Winter Conferences are also invited.
The deadline to submit them is January 15.

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 for their own expenses 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, 2015

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.

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