

Summer School on Particle Physics



5 - 16 June 2017
Trieste, Italy

Further information:

Activity URL: <http://indico.ictp.it/event/7968/>

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The goal of the school is to give a detailed overview of particle physics from the basics of Standard Model phenomenology to the most important areas where significant progress has been achieved recently. This year the school will cover both the energy and the intensity frontiers, including lectures on experimental techniques for small scale experiments and on formal developments in quantum field theory.

Topics:

- Standard Model: Higgs and Flavor
- Neutrinos
- Perturbative QCD
- Lattice QCD
- Physics of the Early Universe
- Beyond the SM at the TeV scale
- Dark Matter and Axions
- Small Scale Experiments
- Theory developments on Amplitudes

Directors:

A. ARVANITAKI, Perimeter Institute, Canada
S. DUBOVSKY, NYU, USA
A. ROMANINO, SISSA, Italy
G. VILLADORO, ICTP, Italy

Lecturers:

K. BLUM, Weizmann Inst., Israel
N. CRAIG, UC Santa Barbara, USA
A. GERACI, UN Reno, USA
L. GIUSTI, Milan Bicocca U., Italy
Y. NIR, Weizmann Inst., Israel
S. PASCOLI, Durham U., UK
J. REDONDO, Zaragoza U., Spain
I. STEWART, MIT, USA
J. TRNKA, UC Davis, USA

How to apply:

Online application:
<http://indico.ictp.it/event/7968/>

Female scientists are encouraged to apply.

Grants:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee.

Deadline:

31 March 2017



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