





Summer School on Particle Physics

DESCRIPTION:

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.

MORE INFORMATION:

The school is especially targeted to PhD students in high energy physics, but qualified MSc students in their last year as well as young postdocs can also apply.

LECTURES:

- Standard Model R. Contino (U. Sapienza, Rome)
- New Physics at Future Colliders N. Craig (UC Santa Barbara and KITP)
- Dark Matter and Dark Sectors I. Garcia Garcia (U. Washington)
- Non-perturbative Gauge Theories **B. Lucini** (Swansea U.)
- Cosmology of the Early Universe M. Schmaltz (Boston U.)
- Small Scale Experiments K. Van Tilburg (New York U. and Flatiron I.)
- Neutrino Astrophysics M.C. Volpe (APC Paris)



16 - 27 June 2025



Trieste, Italy



Application and Deadlines: 12 April 2025

for applicants requesting financial and/or visa support

31 May 2025 for all other applicants

DIRECTORS:

J. Elias Miro, ICTP, Italy J. D. March-Russell, Oxford University, UK M. Reece, Harvard University, USA G. Villadoro, ICTP, Italy

LOCAL ORGANISER:

G. Villadoro, ICTP, Italy

FURTHER INFORMATION:



E-mail: smr4080@ictp.it

Web: https://indico.ictp.it/event/10845/

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.

