



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.

