



Summer School on Elementary Particle Physics

The school aims to provide an intensive and thorough course on modern particle physics and related disciplines, along with hands-on exercises, discussions and independent work. It is intended for senior undergraduate and early graduate students coming mainly from Balkans region.

TOPICS

- Relativistic Quantum Mechanics
- Introduction to Quantum Field Theory
- Standard Model
- Particle Physics Phenomenology
- Quantum Chromodynamics
- LHC physics
- Neutrino Physics
- Beyond Standard Model
- Dark Matter
- Topics in Theoretical Physics
- Cosmology

HOW TO APPLY

For the application, please send your short CV to: psi@petnica.rs before **April 10th, 2014**. One letter of recommendation should be also sent to this address directly by a referee.

More information at the activity website psi.petnica.rs

LECTURERS

- Ludivine Céard (CP3, Louvain)
- Basudeb Dasgupta (ICTP, Trieste)
- Lorenzo Di Pietro (Weizman Institute)
- Adam Falkowski (LPT, Orsay)
- Duško Latas (Faculty of Physics, Belgrade)
- Jelena Maričić (University of Hawaii, Manoa)
- Marina Marinković (Humbolt University, Berlin)
- Alberto Parolini (SISSA, Trieste)
- Piero Ullio (SISSA, Trieste)

ORGANIZERS

- Nikola Božić (PSC, Petnica)
- Ivan Milić (AOB, Belgrade)
- Marko Simonović (SISSA, Trieste)
- Gabrijela Zaharijas (ICTP, Trieste)

Sponsors: The school is supported by ICTP Trieste and SISSA Trieste.