



# 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

- Quantum and Relativistic Mechanics
- Introduction to Quantum Field Theory
- Standard Model
- Particle Physics Phenomenology
- Quantum Chromodynamics
- LHC physics
- Neutrino Physics
- Origin of Neutrino Mass
- Beyond Standard Model
- Dark Matter
- Topics in Theoretical Physics
- Nuclear Astrophysics

## HOW TO APPLY

For the application, please send your short CV to: [psi@petnica.rs](mailto: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/2014](http://psi.petnica.rs/2014)

## LECTURERS

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## ORGANIZERS

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