

Session Program

25 April 2025

9th Young Scientist Festival of Division of Experimental Physics 2025

Student talks

Ruđer Bošković Institute, Ivan Supek lecture hall (1st wing)

Friday 25 April

10:10

Student talks: Student talks 1

Session | **Location:** Ruđer Bošković Institute, Ivan Supek lecture hall (1st wing) | **Convener:** Tea Mijatović

10:10–10:30

Nuclear equation of state studies using relativistic Coulomb excitation

Speaker

Ivana Lihtar

10:30–11:00

Coffee break

11:00–11:20

Unscrambling the light nuclei spectroscopy data

Speaker

Margareta Sigmund

11:20–11:40

Clustering in 11,12,13C

Speaker

Luka Palada

11:40–12:00

Irradiation study of high entropy alloy for fusion applications

Speaker

Toni Dunatov

12:00

13:30

Student talks: Student talks 2

Session | **Location:** Ruđer Bošković Institute, Ivan Supek lecture hall (1st wing) | **Convener:** Iva Božičević Mihalić

13:30–13:50

Heavy Ion PIXE spectroscopy for Total Ion Beam Analysis applications

Speaker

Masedi Masekane

13:50–14:10

The study of Mg high-resolution $K\alpha$ X-ray emission spectra induced by ion beam excitation

Speaker

Anja Mioković

14:10–14:30

Study and Optimization of scCVD Diamond Particle-Detectors Response at Cryogenic Temperatures

Speaker

Karla Ivanković Nižić

14:30–14:50

Coffee break

14:50

14:50

Student talks: Student talks 3**Session** | **Location:** Ruđer Bošković Institute, Ivan Supek lecture hall (1st wing) | **Convener:** Jordan McElwee

14:50–15:10

Ion beam fabrication and optical characterization of color centers in diamond for quantum sensing applications**Speaker**

Matija Matijević

15:10–15:30

ENUBET: Making mission impossible, possible**Speaker**

Leon Halić

15:30–15:50

Quantum entanglement in solar neutrino data**Speaker**

Doris Barčot

15:50–16:10

Coffee break

16:10

16:10

Student talks: Student talks 4**Session** | **Location:** Ruđer Bošković Institute, Ivan Supek lecture hall (1st wing) | **Convener:** Budimir Kliček

16:10–16:30

Going from Radon to Neutrinos**Speaker**

Bruno Kovač

16:30–16:50

Improvement of Muon Neutrino Charged-Current Single Pion production cross-section measurement with the Upgraded ND280 at T2K**Speaker**

Mahesh Jakkapu

16:50–17:00

Closing**Speaker**

Budimir Kliček

17:00