Session Program

22–28 Aug 2025

TOPTIER CNS Summer School 2025

Young Scientist Session 3

Tuesday 26 August

15:40

Young Scientist Session 3

Session | **Location:**

15:40–15:52

Implication of neutron star observations to the origin of nucleon mass

Speaker
Xiang LIU

15:52–16:04

Interplay Between 3P2 Neutron Quantum Vortices and 1S0 Proton Fluxtubes in the Outer Core of Neutron Stars

Speaker
Tatsuhiro Hattori

16:04–16:16

Sensitivity study of Neutrino opacities to Skyrme EOS in CCSNe

Speaker
Young_so Choi

16:16–16:28

Real-time monitoring nuclear motion using high-order harmonic generation

Speaker
An Trieu

16:28–16:40

ab initio effective operator study dripline nuclei observables

Speaker
Dr Zhicheng Xu

16:40–16:52

Emergence of High-Purity Spin-Triplet States and Quantum Entanglement in Proton–Proton Scattering

Speaker
zhaoxin shen

16:52–17:04

Construction of 1S0 pair collective Hamiltonian using the constrained BCS + local QRPA method

Speaker
Chisato Ruike

17:04–17:16

Hypernuclear Structure and Hyperon Star Properties with Relativistic Density Functional Theory

Speaker
ShiYuan Ding

17:16–17:28

Quantum entanglement entropy: unveiling the shell evolution

Speaker
Di Xu

17:28–17:40

(Cancelled) Toward global calculations for charge-exchanging processes using Gogny energy density functional

Speaker
Kenta Akai

18:04