

Session Program

17–19 Nov 2025

NuSRAP 2025

Student session 1

Soongsil University, Dasom Hall, Computer Science Institute
369 Sangdo-ro, Dongjak-gu, Seoul, Korea

Monday 17 November

14:50

Student session 1

Session |
Location: Soongsil University, Dasom Hall, Computer Science Institute, 369 Sangdo-ro, Dongjak-gu, Seoul, Korea |
Convener: Hana Gil

14:50–15:05 Exploring Nuclear Matter Properties through Rotating Neutron Stars

Speaker
Hyukjin Kwon

15:05–15:20
Analyzing the dependence on the order parameter of the pairing collective mass using the constrained BCS + local QRPA method

Speaker
Chisato Ruike

15:20–15:35
Orbital-Optimized Variational Quantum Eigensolver for Nuclear Structure Calculations

Speaker
Takumi Ogata

15:35–15:50 Structure of nuclei near the Island of Inversion using shell-model calculations

Speaker
Takumi Shoji

15:50–16:05
Fully self-consistent simulation of 3P2 neutron vortices and proton fluxtubes in the outer core of neutron stars using GPE + GLE

Speaker
Tatsuhiro Hattori

16:05–16:20 Antisymmetric Spin–Orbit Effects from 3NF in Skyrme-Type EDFs

Speaker
Hiroki Kida

16:20