

**Session Program**

**8 December 2025**

**Nuclear and Hadron Physics Laboratories  
Joint Workshop 2025**

***Nuclear Theory***

Institute of Science Tokyo, Main Bldg. 290

# Monday 8 December

11:30

## Nuclear Theory: Sekizawa Lab

Session | Location: Institute of Science Tokyo, Main Bldg. 290

11:30-11:45

### Data-Driven Exploration of the Neutron $^3\mathrm{P}_2$ Pairing Gap Using Cassiopeia A Neutron Star Observational Data

Speaker

Mr Yoonhak Nam (M2)

11:45-12:00

### Computation of Periodic Solutions of One-Dimensional Imaginary TDHF Equations as a Model for Spontaneous Fission

Speaker

Mr Kotaro Koga (M2)

12:00-12:15

### Extended Thomas-Fermi Calculations for Nuclear Pasta in the Inner Crust of Neutron Stars

Speaker

Mr Yo Nakamura (M2)

12:24