

Session Program

29 April 2026 to 2 May 2026

QCS2026

Session 3

JAEA Tokai Mirai Base
7-25, Funaishikawa Eki Higashi 3, Tokai, Ibaraki, Japan

Thursday 30 April

09:00

Session 3

Session | Convener: Ken'ichiro Nakazato

09:00–09:35

Dense matter and neutrinos in core-collapse supernovae and hot neutron stars

Speaker

Kohsuke Sumiyoshi

09:35–10:10

Modeling of binary neutron star mergers for multi-messenger inference of neutron star properties

Speaker

Sho Fujibayashi

10:10–10:30

Binary Neutron Star Merger as a Probe of Hadron-Quark Transition

Speaker

Yongjia Huang

10:30

11:00

Session 3

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11:00–11:35

Impact of Density-Dependent Axial Coupling Quenching and Nucleon Effective Mass on Neutrino Transport in Core-Collapse Supernovae

Speaker

Myung-Ki Cheoun

11:35–12:10

Density functional theory for the supernova simulation

Speaker

Chang Ho Hyun

12:10