

Session Program

29 April 2026 to 2 May 2026

QCS2026

Poster Session

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

Wednesday 29 April

16:35

Poster Session

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Compact star cooling with a 2SC+ $\langle dd \rangle$ phase

Speaker

Tsuneo NODA

Bayesian Inference of nuclear equation of state in RMF models (Award candidate)

Speaker

Jing- Jing Geng

Role of the $a_0(980)$ Meson in Asymmetric Matter and Constraints on the Chiral Invariant Mass of the Nucleon in an Extended Parity Doublet Model

Speaker

Yuk-Kei Kong

Phase Transition to Hyperon Matter in Neutron Stars using an Effective Model with Chiral Invariant Masses (Award candidate)

Speaker

Masayuki Kanazawa

Nucleon chiral-invariant mass from gravitational form factors and neutron star constraints

Speaker

Mamiya Kawaguchi

Exploring the Roles of Nucleon Effective Mass and Multineutron States in Supernova Matter (Award candidate)

Speaker

Tatsuya Matsuki

Impact of Hexaquark H Particle on Compact Star Properties

Speaker

Xuhao Wu

Three-flavor color superconducting quark matter and quark stars

Speaker

Wen-Li Yuan

Observational probes of the neutron star equation of state with hyperons, bosonic dark matter, and quark matter

Speaker

Mahboubeh ShahrbaF Motlagh

Neutron Stars Admixed with Bosonic Dark Matter: Multi-Messenger Constraints and Pulse-Profile Signatures (Award candidate)

Speaker

Davood Raffei Karkevandi

Spin Moleccular Dynamics with spin-orbit interaction

Speaker
Toshiki Maruyama

Dynamical response of kaon condensation to neutron-star oscillations

Speaker
Takumi Muto

Neutrino Emission and Early Crust Formation in Protoneutron Stars

Speaker
Ken'ichiro Nakazato

Neutron star mass and radius of FRB 20240114A by identification of crustal oscillations

Speaker
Hajime SOTANI

Core-collapse supernova explosions hindered by dark photons

Speaker
Kanji Mori

18:05