

From Quarks to Neutron Stars: Insights from kHz gravitational waves

Wednesday 23 April 2025

NEUTRON STARS AND SUPERNOVAE (13:10 - 15:00)

-Conveners: Hajime Sotani

time	[id] title	presenter
13:10	[4] Investigating ultra-high-density equations of state through gravitational waves from binary neutron stars mergers	BAIOTTI, Luca
13:50	[5] Diversity in neutron star merger remnants and their electromagnetic signatures	HOTOKEZAKA, Kenta
14:30	[6] Testability of the quark-hadron transition using gravitational waves from merging binary neutron stars	HARADA, Reiko

NEUTRON STARS AND SUPERNOVAE (15:40 - 17:40)

-Conveners: Hirotaka Ito

time	[id] title	presenter
15:40	[8] Gravitational-wave signatures from multi-dimensional core-collapse supernova modeling	KOTAKE, Kei
16:20	[9] Oscillation and deformation on neutron stars leading to GW detection	KOJIMA, Yasufumi
17:00	[7] Probing the Dense Matter Equation of State via Gravitational-Wave Asteroseismology	ZHAO, Tianqi