

Session Program

6-12 Apr 2025



Quark Matter 2025

Parallel session 25

Goethe University Frankfurt, Campus Westend, Theodor-W.-Adorno-Platz 1, 60629 Frankfurt am Main, Germany

Tuesday 8 April

16:10

Parallel session 25: QCD matter in astrophysics

Session | **Location:** Goethe University Frankfurt, Campus Westend, Hörsaalzentrum, HZ 7 | **Convener:** Eero Alekski Kurkela

16:10-16:30

Listening to the long ringdown: a novel way to pinpoint the equation of state in neutron star cores

Speaker

Christian Ecker

16:30-16:50

Quark matter at four loops

Speaker

Risto Paatelainen

16:50-17:10

EPJ Featured Talk: Dissipative Magnetohydrodynamics in accretion disks

Speaker

Khwahish Kushwah

17:10-17:30

Astrophysical Equation-of-State Constraints on the Color-Superconducting Gap

Speaker

Rachel Steinhorst

17:30-17:50

Lambda potential in dense matter from chiral EFT: Bridging heavy-ion collisions, hypernuclei, and neutron stars

Speaker

Asanosuke Jinno

17:50-18:10

Finite-temperature expansion of the dense-matter equation of state

Speaker

Débora Mroczek

18:10-18:30

Dependence of the bulk viscosity of neutron star matter on the nuclear symmetry energy

Speaker

Yumu Yang

18:30