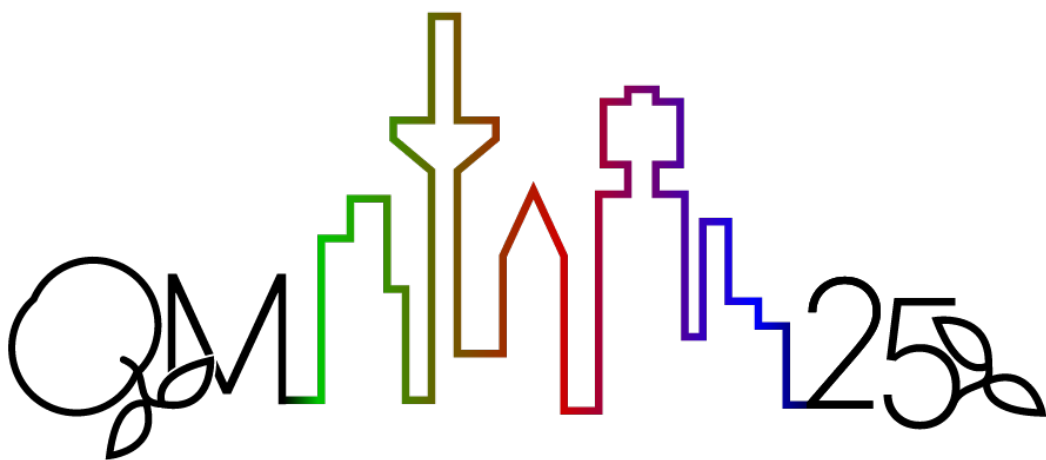


Session Program

6-12 Apr 2025



Quark Matter 2025

Plenary session 9: Correlations & fluctuations – New theoretical developments – Physics of ultraperipheral collisions – QCD matter in astrophysics

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

Friday 11 April

14:00

Plenary session 9: Correlations & fluctuations — New theoretical developments — Physics of ultraperipheral collisions — QCD matter in astrophysics

Session | **Location:** Goethe University Frankfurt, Campus Westend, Hörsaalzentrum, HZ 1 + HZ 2 | **Convener:** Prof. Jacquelyn Noronha-Hostler

14:00–14:30

Probing bulk dynamics of the QGP with correlations and fluctuations

Speaker

Mesut Arslanok

14:30–15:00

Quantum computing for heavy-ion physics: near-term status and future prospects

Speaker

Joao Lourenco Henriques Barata

15:00–15:30

Experiment overview of physics of ultraperipheral collisions

Speaker

Agnieszka Ewa Ogrodnik

15:30–16:00

Progress in dense QCD and applications to neutron stars

Speaker

Yuki Fujimoto

16:00