

Session Program

6-12 Apr 2025



Quark Matter 2025

Parallel session 19

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

Tuesday 8 April

10:50

Parallel session 19: New theoretical developments I

Session | **Location:** Goethe University Frankfurt, Campus Westend, Hörsaalzentrum, HZ 7 | **Convener:** Berndt Mueller

10:50-11:10

Understanding quantum corrections to momentum broadening in a weakly coupled QGP

Speaker

Eamonn Weitz

11:10-11:30

An end-to-end generative model for heavy-ion collisions

Speaker

Jing-an Sun

11:30-11:50

Exploring the impact of strong-force fields on ϕ -meson spin alignment within a quantum relativistic transport approach

Speaker

Lucia Oliva

11:50-12:10

Nonlinear causality and strong hyperbolicity of baryon-rich Israel-Stewart hydrodynamics

Speaker

Mr Ian Cordeiro

12:10-12:30

Resummed spin hydrodynamics from quantum kinetic theory

Speaker

David Wagner

12:30