

ExtreMe Matter Institute EMMI

EMMI Workshop

Collective phenomena and the Equation-of-State of dense baryonic matter

November 10-13, 2025

SB1 & KBW Lecture Hall, GSI Darmstadt, Germany



Welcome

Scientific Programm

- **Collective Observables:** Flow, femtoscopy, and dilepton measurements in heavy-ion collisions probe the high-density nuclear EoS.
- **Theoretical Modeling:** Hydrodynamic and transport models, including symmetry energy effects, interpret observables and constrain the EoS.
- **Multi-Messenger Studies:** Neutron star observations and gravitational waves complement experiments to refine our understanding of dense nuclear matter.
- **zoom-broadcasting:** link provided to all registered participants
- **25+5 minutes talks** plus additional **30 minutes discussion/wrap-up session**
- **Please note:** two different lecture halls are used:
 - **SB1** (here) on Mondays and Tuesdays
 - **KBW** (next to guests entrance) on Wednesdays and Thursdays.

Programm

- **Coffee:** outside the conference room
- **Lunch:** Canteen in the next building
- **Welcome Reception:** Monday 18:00 at Canteen (next building)
- **GSI-FAIR Colloquium:** Tuesday 16:15 here in SB1 Lecture Hall
Jan Pawlowski (Heidelberg University): QCD Under Extreme Conditions
<https://indico.gsi.de/event/23372/>
- **Workshop Group photo:** Wednesday 12:10
between the Canteen building and the Guesthouse

Workshop Dinner

- Wednesday evening, 12 November, starting at 19:00 at the Shiraz restaurant in Darmstadt-City.
<https://shiraz-restaurant.de/>
- **Bus Shuttle leaving sharp at 18:00 from GSI**
Bus stop in front of the KBW building
- **Returning at 22:00** from the Restaurant to GSI
with an intermediate stop at Darmstadt Mainstation.
- Please indicate if you attend the dinner and use the bus service in the Indico registration. Only limited seats left.

Registration Form

 **Contact info**
EMMI Office

 **Your registration has been completed**

 **Modify**  **Withdraw**



What else?

EMMI Code of Conduct:

- We are committed to a workshop atmosphere that supports open scientific exchange
- And is free from discrimination, harassment, and retaliation

Looking forward to hopefully interesting and fruitful sessions,

Enjoy the workshop!

Jaki, Tom and Behruz