

## First announcement

# INTERNATIONAL EMMI Workshop on Plasma Physics at FAIR

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*Date: June 21-23, 2017 at FAIR/GSI Helmholtzzentrum Darmstadt*

The Plasma Physics program at FAIR, one essential part of the FAIR project, will exploit a dedicated beamline and target area with unprecedented ion intensities. This offers worldwide unique capabilities to the plasma physics community. Already during the construction phase it will be possible to run an attractive experimental program at the SIS-18 target area or using the PHELIX laser. The three-day workshop will give an opportunity to discuss upcoming experiments and continue developing the science program of the plasma physics community at FAIR.

### Workshop topics include:

- Physics of high energy density states: theory, experiments, diagnostics
- EOS of matter under extreme conditions
- Energy transport in warm dense matter
- Atomic processes in strongly coupled plasmas
- Laser based photon and particle sources for HED/WDM-diagnostics
- Materials research, atomic physics, and biophysics related to plasma physics
- Experiments with ion beams in 2018-2019 from SIS 18
- Combined laser and ion beam experiments

You are cordially invited to attend the workshop

Vincent Bagnoud (Chair), Abel Blazevic and Paul Neumayer (Co-chairmen of the workshop)

### Workshop details:

No participation fee is required. Travel grants for students are available.

Registration and information: <https://indico.gsi.de/conferenceDisplay.py?confId=5686>