

PHEDM-Hirscheegg Workshop 2022

January 31st to February 4th, 2022

The 2022 workshop will be organized as a hybrid meeting via Zoom and, for a limited amount of people, in person at the Darmstaedter Haus in Hirscheegg. As the first hybrid workshop 2021 proved the meeting format still provides an international forum to discuss high energy density physics including fundamental science, intense laser and particle beams interaction with matter and inertial confinement fusion.



Picture: GSI Helmholtzzentrum für Schwerionenforschung, ion42/FAIR

Location:

via Zoom

or

Darmstaedter Haus
Oberseitestraße 38
6992 Hirscheegg/Austria

Scope of the meeting

The completion of the FAIR SIS-100 synchrotron tunnel in the summer of 2021 in Darmstadt is a significant milestone towards the completion of this major international HED facility. This year, the Program Committee for the 42nd International Workshop on High-Energy-Density Physics with Intense Ions and Laser Beams encourages contributions from the HED@FAIR community for the commissioning and first physics experiments at FAIR. The Committee also encourages participation from the international HED community on the following topics:

- advances in inertial confinement fusion (ICF) and inertial fusion energy (IFE),
- advances in the broader field of laser-plasma interaction physics, lasers as secondary radiation sources, strongly-coupled-plasmas and warm-dense matter, shocks and EOS, and nuclear photonics.

In addition, the workshop will be structured to provide students and young scientists an opportunity to learn about HED/ICF science and the opportunities afforded by key international HED facilities, the process of international scientific peer review and collaboration, and scientific presentation skills.

Further information: <https://indico.gsi.de/e/hirscheegg2022>