

October 2<sup>nd</sup>, 2024

## First announcement

# PHEDM-Hirschegg Workshop 2025

## 45<sup>th</sup> International Workshop on High-Energy-Density Physics with Intense Ions and Laser Beams, Hirschegg Austria

Dear colleagues,

The 45th Hirschegg Workshop on high-energy-density physics follows the 40-year-long tradition of scientific exchanges in the cozy environment of the Darmstaedter Haus in Hirschegg, Austria. We are delighted to organize the meeting from January 26th to February 1st, 2025, as an on-site meeting, and invite the HED community to join the event.

### Scope of the meeting

This year, the Program Committee for the 45th International Workshop on High-Energy-Density Physics with Intense Ions and Laser Beams encourages contributions from the HED community on the following topics:

- Theoretical and experimental progress in high energy density sciences (EOS, transport properties, non-equilibrium, phase transitions, chemistry, relativistic laser-matter interaction)
- Astrophysics applications of HED states (planets, stars, accretion processes, astrophysical shocks), nuclear photonics (laser-driven nuclear physics)
- Real-world applications of HED science (Laser-driven fusion, radiation sources, and materials synthesis and performance)
- Laser-driven HED science
- New and upcoming HED facilities

Special emphasis on **laser-plasma acceleration and applications**: selected speaker will be invited on the topic. We strongly encourage contribution on this field.

In addition, the workshop is structured to provide students and young scientists with an opportunity to present their work in a friendly and collegial atmosphere.”

### Organizational details

Conference fee Early Bird	€165,00
Conference fee	€200,00
Single room	€350,00
Double room	€300,00
4-bed room	€240,00

For payments after December 20<sup>th</sup>, 2024 the conference fee is €200,00. To secure accommodation at the Darmstadter Haus the deadline for payments is also December 20<sup>th</sup>, 2024.

<https://indico.gsi.de/e/hirschegg2025>

Registration opens on October 2<sup>nd</sup>, 2024.

We look forward to welcome you in Hirschegg,

Matt Zepf  
Scientific Chairman of the  
Workshop

and

Vincent Bagnoud  
For the Organizing  
Committee