

First announcement



47th International Workshop on High-Energy-Density Physics with Intense Ions and Laser Beams, Hirschegg Austria

Dear colleagues,

The 47th Hirschegg Workshop on high-energy-density physics follows the nearly five decades 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 24th to 30th, 2027, 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 47th International Workshop on High-Energy-Density Physics with Intense Ions and Laser Beams encourages contributions from the HED community on the following topics:

- Real-world applications of HED science (Laser-driven fusion, radiation sources, and materials synthesis and performance)
- Laser- and XFEL-driven diagnostics of laser-generated plasmas
- Beam-plasma interactions and instabilities
- 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)
- New and upcoming HED and laser-driven fusion facilities

This year's special emphasis is on fusion-related diagnostics and instabilities. Selected speakers 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 Regular	€200,00
Single room	€350,00
Double room	€300,00
4-bed room	€240,00

For payments after November 30th, 2026 the conference fee is €200,00. To secure accommodation at the Darmstadter Haus the deadline for payments is also November 30th, 2026.

<https://indico.gsi.de/e/hirschegg2027>

Registration opens on September 1st, 2026.

We look forward to welcome you in Hirschegg,

Stephan Kuschel
*Scientific Chairman of the
Workshop*

and

Vincent Bagnoud
*For the Organizing
Committee*