

## **Session Program**

**Sep 22 - 24, 2025**



## **Ionenstrahlworkshop 2025**

### **Posters**

GSI, KBW lecture hall  
Planckstr. 1 64291 Darmstadt / Germany

# Mon, September 22

5:05 PM

## Posters: & Pizza

**Poster Session** | **Location:** GSI, KBW lecture hall, Planckstr. 1 64291 Darmstadt / Germany | **Convener:** Frieder Koch

### Defect induced magnetic phase transition in CrSBr

**Speaker**

Fangchao Long

### Capturing ion-solid interactions on sub ps timescales

**Speaker**

Simone Stolz

### Capturing ion induced electron dynamics in 2D materials

**Speaker**

Ann-Sophie Meyer

### Experimental setup for swift heavy ion irradiation under high pressure and temperature using a Paris-Edinburgh Press with a large-volume toroidal Diamond Anvil Chamber

**Speaker**

Alexander Blum

### The new ion implantation chamber in the General Low Mass (GLM) area of ISOLDE.

**Speaker**

Mr Ian Chang Jie Yap

### Superconductivity in Ga-Doped SiGe via Ion Implantation and flash lamp annealing

**Speaker**

Yu Cheng

### Ion beam shaping of catalytic nanoparticles

**Speaker**

Sophie Wrathall

### Surface and structural modifications in Bi nanowires induced by swift heavy ion irradiation

**Speaker**

Miguel Trigueros Hevia

### Electrical Modulation of Ionic Transport in Track-Etched Nanochannels

**Speaker**

Dila Kaya

### Functional Gold Nanowire Networks

**Speaker**

Mohan Li

## **RUTHELDE - A Differential Evolution Based RBS Spectra Fitting Algorithm and its Capabilities Beyond Fitting**

### **Speakers**

Johan Meersschaut, René Heller, Ruben Van der Borght, Tobi Vanmeerbeek

## **Hamiltonian of combined hyperfine interactions and its influence on the gamma-gamma angular correlations**

### **Speaker**

Thien Thanh Dang

## **High-Pressure Phase Transitions of Nanowires**

### **Speaker**

Christopher Schröck

## **Study of diameter-dependent swift heavy ion impacts in Bi nanowires using molecular dynamics simulations**

### **Speaker**

Orlando Deluigi

## **Heavy ion irradiation of molecular solid at high pressures**

### **Speaker**

Jiaxu Liang

8:00 PM