

## **Programm der Sitzung**

**22.-23. Jan. 2026**



# **Annual Meeting of the ErUM-FSP APPA 2026**

## **Poster Session**

GSI, Main Lecture Hall  
Planckstraße 1, 64291 Darmstadt

# Do., 22. Januar

18:00

## Poster Session

Poster-Session | Ort: GSI, Canteen Side Room

### Setup and Characterization of a Plasma Window for Heavy Particle Beam Transmission to High Pressurized Target Areas

Sprecher

Andre Michel

### Rate Coefficients for Dielectronic Recombination of the Astrophysically Relevant N-Like Ne Ion at CRYRING@ESR

Sprecher

Elena-Oana Hanu

### Commissioning of the Transverse Electron Target at the Heavy Ion Storage Ring CRYRING@ESR

Sprecher

Carsten Brandau, Michel Döhring, Stefan Schippers

### Experimental and Theoretical Total Cross Sections for Single and Double Ionization of the Open-4d-Shell Ions $Xe^{12+}$ , $Xe^{13+}$ , $Xe^{14+}$ by Electron Impact

Sprecher

Michel Döhring, Stefan Schippers

### Experiments at the CRYRING@ESR Low-Energy Heavy-Ion Storage Ring

Sprecher

Michael Lestinsky

### First Look at a New 14.5 GHz ECR Ion Source

Sprecher

Maria Tatsch

### High Power UV Laser Systems for Cooling Relativistic Bunched Ions

Sprecher

Denise Schwarz, Harri Lara

### Oxygen Abundance in the Early Universe: A Storage Ring Experiment to Verify the Underlying Atomic Data

Sprecher

Michael Lestinsky

### Development of a Plasma Lens Operating at Hz-Frequencies for Laser-Driven Proton Acceleration

Sprecher

Gustav Schmidt

### Towards Testing Three-Loop QED and Nuclear Deformation Effects in Heliumlike Uranium

**Sprecher**

Martino Trassinelli

**COLSPEC\_MMC - a Setup of Magnetic Metallic Microcalorimeters for the CRYRING Transverse Electron Target****Sprecher**

Saskia Kraft-Bermuth

**Experimental Validation of a Plasma Lens for Proton Beam Collimation at LIGHT, GSI****Sprecher**

Marius Dehmer

**Ionoacoustic Monitoring of Ion Bunches: Recent Developments and Applications****Sprecher**

Anna-Katharina Schmidt

**Characterization of the FISIC Platform for Future Ion-Ion Collision Studies at CRYRING@ESR****Sprecher**

Herr Augustin De Montbel, EMILY LAMOUR

**Precision X-Ray Spectroscopy Using Metallic Magnetic Calorimeters****Sprecher**

Johanna Hanke Walch

**The ARTEMIS Experiment: G-Factor Measurement Through Precision Spectroscopy of Heavy Highly Charged Ions****Sprecher**

Wolfgang Quint

**A Novel Compton Telescope for Polarimetry in the MeV Range****Sprecher**

Günter Weber

**Testing Strong-Field QED to Second-Order in the Highly Correlated Atomic System Berylliumlike Pb78+ by Electron-Ion Collision Spectroscopy****Sprecher**

Stefan Schippers

**The SIS100 Laser Cooling Facility at FAIR****Sprecher**

Dr. Danyal Winters

**ESR: The Heavy Ion Storage Ring Facility****Sprecher**

Alexandre Gumberidze

19:30