



# Annual Meeting of the ErUM-FSP APPA

22-23 January 2026

GSI Main Lecture Hall

[https://indico.gsi.de/e/APPA\\_FSP\\_2026](https://indico.gsi.de/e/APPA_FSP_2026)

**Thursday, 22.01.2026**

**10:00 VISIT OF THE FAIR CONSTRUCTION SITE**

**14:00 WELCOME**

Session Chair: Stefan Schippers

14:00 **Inti Lehmann** (FAIR/GSI Research Coordinator): *Status and Future of GSI/FAIR*

14:30 **Denise Keller** (PT. DESY): *ErUM: Exploration of the Universe and Matter*

15:00 **Eugenia Toimil Molares** (GSI, MAT): *News from Materials Science*

15:20 **Reinhold Schuch** (Stockholm, SPARC): *News from SPARC*

15:40 **Stephan Neff** (GSI, HED@FAIR): *Overview over HED@FAIR Activities*

**16:00 COFFEE BREAK**

Session Chair: Thomas Stöhlker

16:40 **Bernd Lorentz** (GSI): *Status of ESR*

17:00 **Claude Krantz** (GSI): *CRYRING@ESR - Operational Performance and Limits of Electron Cooling*

17:20 **Jonas Ködel** (Darmstadt, SPARC): *HITRAP*

17:40 **Peter Micke** (Jena, SPARC): *Towards Frequency Metrology and a Quantum Logic Clock for Highly Charged Heavy Ions*

**18:00 POSTER SESSION**

**19:30 BUFFET DINNER (GSI CANTEEN)**

**Friday, 23.01.2026**

Session Chair: Eugenia Toimil Molares

09:30 **Lars Breuer** (Duisburg, MAT): *In-Situ Experiments on 2D-Materials*

09:50 **Michael Dürr** (Giessen, MAT): *Site-Selective Fragmentation of Peptides Induced by Swift Heavy Ions*

10:10 **Ina Schubert** (GSI, MAT): *Swift Heavy Ion Irradiation of Nanomaterials*

10:30 **Ioannis Tzifas** (GSI, MAT): *Experimental Results and Plans with the High-Pressure Irradiation Plattform at GSI*

**10:50 COFFEE BREAK**

Session Chair: Stephan Neff

11:30 **Alexander Prasselsperger** (München, HED@FAIR): *Ionoacoustic Dose-Monitor for Laser Accelerated Ion-Bunches*

11:50 **Alexander Pukhov** (Düsseldorf, HED@FAIR): *Proton Acceleration and Collimation from Structured Targets*

12:10 **Martin Schanz** (GSI, HED@FAIR): *Proton Microscopy with PRIOR*

12:30 **Artem Martynenko** (GSI, HED@FAIR): *Single-Shot Characterization of SIS18 Ion Beam Focus Using K-alpha Imaging*

**12:50 LUNCH BREAK (GSI CANTEEN, NOT INCLUDED)**

Session Chair: Pierre-Michel Hillenbrand

14:20 **Tamina Grunwitz** (Darmstadt, SPARC): *CW and Pulsed UV Laser Systems for Laser Cooling Applications at the SIS100*

14:40 **Dimitrios Zisis** (Darmstadt, SPARC): *Laser Spectroscopy of Li-like Bi*

15:00 **Mirko Looshorn** (Gießen, SPARC): *Testing QED by Electron-Ion Collision Spectroscopy of Highly Charged Ions at CRYRING@ESR*

15:20 **Houke Huang** (Jena, SPARC): *Dielectronic Recombination of Highly Charged Ions: Experiment and Theory*

15:40 **Rohit Tyagi** (Kassel, SPARC): *Current Status and Future Prospects of VUV-EUV VLS-Grating Photon Spectrometer at CRYRing*

16.00 **Stefan Schippers** (Giessen, FSP APPA Spokesperson): *FSP APPA Business*

**16:30 END OF THE MEETING**