



Annual Meeting of the ErUM-FSP APPA

22-23 January 2026

GSI Main Lecture Hall

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): *HED@FAIR Status Report*

16:00 COFFEE BREAK

Session Chair: Thomas Stöhlker

16:40 Bernd Lorentz (GSI): *ESR Machine Performance During Beam Time 2025*

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

17:20 Jonas Ködel (Darmstadt, SPARC): *Status of the HITRAP Decelerator*

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): *Swift Heavy Ion Irradiation of Nanomaterials*

10:30 Ioannis Tzifas (GSI): *High-Pressure Platform for Swift Heavy Ion Irradiations: Probing Structural Transformations in Extreme Radiation Environments*

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): *Laser Interaction with Near-Critical Density Structured Targets*

12:10 Martin Schanz (GSI, HED@FAIR): *Charged Particle Microscopy at GSI*

12:30 Artem Martynenko (GSI, HED@FAIR): *t.b.a.*

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): *Dielectronic Recombination – Assisted Laser Spectroscopy (DRALS): A New Tool to Investigate the Hyperfine Structure in Highly Charged Ions*

15:00 Mirko Looshorn (Gießen, SPARC): *High-Resolution Dielectronic Recombination of Berylliumlike Heavy Ions at the CRYRING@ESR Storage Ring*

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-Grating Photon Spectrometer at CRYRING*

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

16:30 END OF THE MEETING