



APPA Cave Workshop

Monday, July 6th – Tuesday, July 7th, 2026

GSI Darmstadt, Germany

Monday, January 6th 2026

Start	Duration	Speaker	Topic
Session 1 – Introduction Session chair: Vincent Bagnoud			
13:00	30	Thomas Nilsson	FAIR
13:30	20	Kurt Schoenberg	Status and plans of the HED@FAIR collaboration
13:50	20	Marco Durante	The Biophysics research program
14:10	20	Eugenia Toimil-Molares	Overview of MAT at FAIR
14:30	Coffee break		
Session 2 – Experimental setups I Session chair: Paul Neumayer			
15:00	30	Yuji Nakano	Resonant coherent excitation experiments
15:30	20	Stephan Neff	Experimental installations in the APPA cave
15:50	20	Peter Spiller	Final focusing system and bunch compression for APPA cave experiments
16:10	20	Danyal Winters	Laser-cooled beams in SIS-100 for APPA cave experiments
16:30	Coffee break		
Session 3 – Experimental setups II Session chair: Stephan Neff			
17:00	30	Rui Cheng	HED Science at HIAF
17:30	20	Martin Schanz	Proton microscopy with PRIOR
17:50	20	Radek Pleskac	Biophysics experimental setups at S-FRS, CBM and in the APPA cave
18:10	20	Phillip Hesselbach	Heavy Ion Heating experiments at HHT and in the APPA cave
Conference Dinner			

Tuesday, January 7th 2026

Start	Duration	Speaker	Topic
Session 4 – Warm Dense Matter and Fusion Science Session chair: Abel Blazevic			
9:00	30	Dave Riley	Warm Dense Matter experiments
9:30	20	Dominik Kraus	Warm Dense Matter
9:50	20	Vincent Bagnoud	Laser setup for fusion science
10:10	20	Paul Neumayer	Fusion science experiments in the APPA cave
10:30	Coffee break		
Session 5 – BioMat experiments Session chair: Radek Pleskac			
11:00	20	Piers Jiggins	ESA in the international Biophysics collaboration
11:20	20	Pascal Simon	Radiation hardness measurements and materials research in the APPA cave
11:40	20	Kaustuv Sanyal	Possibilities for Indian participation in APPA
Round table discussion			
12:00	60		
Lunch break			
13:00	60		
FAIR site visit			
14:00	120		