

Workshop on High Energy Density Physics Opportunities at FAIR

Preliminary program

room Aula Magna, building C, ground floor
 Escuela Técnica Superior de Ingeniería Aeronáutica y del Espacio
 Universidad Politécnica de Madrid

Remote connection with Zoom: 875 7468 6730 (password: 849168)
<https://upm.zoom.us/j/87574686730?pwd=Wm5TbEpmY3c2SutiVytkdUdPbEQ1dz09>

Session 1: chair J. Honrubia			
10:00 – 10:30	V. Bagnoud	20' + 10'	Status of the FAIR project and GSI HED facilities
10:30 – 11:00	P. Neumayer	25' + 5'	The FAIR phase-0 program at GSI/HHT (2021-2025)
11:00 – 11:15	S. Neff	12' + 3'	HEDP Infrastructure at the APPA cave
11:15 – 11:30	A. Blazevic	12' + 3'	The LIGHT beamline at GSI
Coffee Break – 30'			
Session 2: chair A. Bret			
12:00 – 12:30	L. Volpe	20' + 10'	Ion Stopping Power in extreme states of matter @ FAIR
12:30 – 12:50	A. Alejo	15' + 5'	Overview of activities at the Laser Laboratory for Acceleration and Applications (L2A2)
12:50 - 13:10	R. Florido	15' + 5'	Flexible Non-LTE atomic-kinetics and detailed Stark-broadened lines profiles for spectroscopic characterization of high-energy-density plasmas
13:10 – 13:30	R. Piriz	15' + 5'	High energy density physics research at the UCLM
Lunch Break – 1h 30'			
Session 3: chair P. Neumayer			
15:00 – 15:20	C. Huete	15' + 5'	Shock waves dynamics for arbitrary equations of state. A theoretical description
15:20 – 15:40	J. Honrubia	15' + 5'	HEDM-related research of UPM at FAIR
15:40 – 16:00	M. Ehret	15' + 5'	Standardization of metrology for laser plasma experiments and laser based secondary sources
Coffee break			
Session 4: chair V. Bagnoud			
16:15 – 17:00	General discussion – where to go from here?		