



# Atomic Processes in Plasmas

## Wednesday, 17 May 2023

### Fundamental Data and Modelling - Board Room A (09:00 - 10:30)

time	[id] title	presenter
09:00	[73] New Measurement Resolves Key Astrophysical Fe XVII Oscillator Strength Problem	KÜHN, Steffen
09:30	[116] X-ray studies of atomic processes involving highly charged ions at EBIT/S	PAJEK, Marek
09:50	[75] Multiple photoionization for the Fe+ 2p subshell	Dr KYNIENĚ, Aušra
10:10	[68] An LCIF diagnostic to test fusion relevant atomic data in RAID	STOLLBERG, Christine

### Fundamental Data and Modelling - Board Room A (11:00 - 12:40)

time	[id] title	presenter
11:00	[106] Benchmark of the $2p$ line formation in OVII near the collisional excitation threshold	AMARO, Pedro
11:20	[100] Influence of metastable levels on the charge-state distribution of highly charged ions in EBIT plasma	Prof. TAKACS, Endre
11:40	[42] Simulation of Doppler-free Spectra using the Collisional Radiative Model	SIMONS, Joseph John
12:00	[34] Exploring Hyperfine-Structures of many-electron ions using laser spectroscopy	Dr PRITI, Priti
12:20	[63] Production of singly charged Sn ions by charge exchange in H $_2$ gas	ASSINK, Luc

# Thursday, 18 May 2023

## Fundamental Data and Modelling - Board Room A (16:00 - 17:20)

time	[id] title	presenter
16:00	[21] Energy and angular distributions of electrons emitted in ion collisions with atomic and molecular targets	KADYROV, Alisher
16:30	[129] Elastic scattering and rotational excitation of H <sub>2</sub> by electron impact	FURSA, Dmitry
16:50	[58] Simple Explanation for the Observed Power Law Distribution of Line Intensity in Complex Many-Electron Atoms and Heavy Nuclei	FUJII, Keisuke