Atomic Processes in Plasmas

Monday, 15 May 2023

Magnetic-Confinement Fusion Plasmas: Magnetic-Confinement Fusion Plasmas - Board Room A (10:00 - 11:00)

time	[id] title	presenter
10:00	[19] Keynote Presentation	
10:40	[57] Evaluation of extreme ultraviolet spectral models for mid-charged tungsten ions with LHD experiments	Prof. MURAKAMI, Izumi

Magnetic-Confinement Fusion Plasmas: Magnetic-Confinement Fusion Plasmas - Board Room A (11:30 - 12:30)

time	[id] title	presenter
11:30	[76] Light and metallic impurity identification in the 225-302 Å range from the SURVIE spectrometer in the WEST Tokamak	Dr GUIRLET, Rémy
11:50	[112] SPARC x-ray crystal spectroscopy for ion temperature and toroidal rotation measurements	PERKS, Conor
12:10	[66] Improved Uncertainty Modeling for the Helium Collisional-Radiative Model used for Line-Ratio Spectroscopy on Wendelstein 7-X	FLOM, Erik

Magnetic-Confinement Fusion Plasmas: Magnetic-Confinement Fusion Plasmas - Board Room A (15:30 - 17:20)

time	[id] title	presenter
15:30	[111] Time-dependent collisional radiative modeling and ultra-violet spectroscopy of neutral tungsten for erosion diagnosis	JOHNSON, Curtis
16:00	[107] Further requirement of tungsten atomic data for tungsten influx estimation at EAST plasma edge	ZHANG, Ling
16:20	[71] A unified atomic description for high-Z impurities modelling in tokamak plasmas	PEYSSON, Yves
16:40	[62] Overview of Doppler shift spectroscopy Diagnostics Technique used in Neutral Beam Injectors - Challenges and Limitations	Ms MAGESH, P Bharathi
17:00	[69] Estimation of Argon impurity transport in Aditya-U Ohmic discharges using Be-like, B-like and Cl-like Argon spectral line emissions	SHAH, Kajal