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Joint ICTP-IAEA Conference on Models and Data for Plasma-Material Interaction in Fusion Devices | (smr 2614)

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Session - LB (Euler Lecture Hall) (08:30-17:55)

time	title	presenter
08:30	Modelling the growth of He bubbles and trap mutation in tungsten	BECQUART, Charlotte
08:55	H trapping and migration in W: A DFT investigation that includes temperature dependency	FERRO, Yves
09:20	Multiple hydrogen trapping by vacancies: its impact on defect dynamics and hydrogen retention in tungsten	KATO, Daiji
09:45	Coffee Break	
10:45	Constructing interatomic potentials from first principles using machine learning: the example of tungsten.	CSÁNYI, Gábor
11:10	Electrophobic interaction: the leading mechanism for helium self-trapping in metals	ZHOU, Hong-Bo
11:35	Many-body decomposition of the interaction energy in lowest beryllium clusters Be ₃₋₈	URBAN, Miroslav
12:00	Lunch Break	
14:00	Helium interaction with tungsten surfaces and subsequent evolution from atomistic simulations	BARASHEV, Alexander
14:25	Discussion Session I	
15:45	Coffee Break	