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# Joint ICTP-IAEA-MAMBA School on Materials Irradiation: from Basics to Applications | (smr 4055)

## Thursday 20 February 2025

- Giambiagi Lecture Hall (AGH) (09:00-16:45)

time	title	presenter
09:00	Atomistic Machine Learning and Simulation	PABLO PIAGGI
10:30	Coffee Break	
11:00	Stopping Power of Ions in Matter: Insights from the IAEA Database and Machine Learning Predictions	ALEJANDRA MENDEZ
11:45	Theoretical Models of Stopping Power: Bridging Fundamental Physics and Practical Applications	ALEJANDRA MENDEZ
12:30	Lunch Break	
14:00	TDDFT and approximations for real time simulations of moving projectile nuclei	EMILIO ARTACHO
14:45	Electronic stopping power from first principles	EMILIO ARTACHO
15:30	Coffee Break	
16:00	Participants talks	