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# Joint ICTP-IAEA Workshop on Modelling for Encapsulated Intermediate Level Waste (ILW) and High Level Waste (HLW) During Long-Term Storage | (smr 3920)

## Monday 26 February 2024

### Background theory - Budinich Lecture Hall / LBLab (LB) (09:00-17:15)

time	title	presenter
09:00	Opening & welcome Presentation -Background of ICTP	NICOLA SERIANI
09:20	Introduction of lecturers <br \> Administrative guidelines <br \> Completion of questionnaire <br \> Presentation: why modelling ionization radiation in waste forms ?	WILLIE MEYER
09:40	Fundamental Waste Form Science	MAIK LANG
10:20	Coffee break	
10:40	Detriment of exposure to ionising radiation — radiation risk	MAIK LANG
11:10	Interactions of Ionising Radiation: Use of G value tables for modelling	WILLIE MEYER
12:00	Interactions of Ionising Radiation with water (radiolysis)	MICHAEL OJOVAN
13:00	Lunch	
14:05	Modelling interactions of Ionising Radiation with crystalline material	CILLIAN COCKRELL (QUEEN MARY UNIVERSITY, UK), OLIVER DICKS (QUEEN MARY UNIVERSITY, UK)
15:05	Interactions of Ionising Radiation glass structure	HAIBO PENG
15:35	Coffee break & Group photo for participants online and 'in person'	
15:50	The modelling of transmutation events in HLW	MICHEL J. SASSI