Technical Meeting on Plasma Physics and Technology Aspects of the Tritium Fuel Cycle for Fusion Energy

Tuesday, 11 October 2022

Plasma Chamber and Tritium Behavior - Board Room C (C building, 4th floor) (09:45 - 10:35)

-Conveners: Alberto Loarte

time	[id] title	presenter
09:45	[33] Introduction	LOARTE, Alberto
10:00	[38] Plasma chamber particle balance and physics of fuel behaviour	LOARTE, Alberto

Plasma Chamber and Tritium Behavior - Board Room C (C building, 4th floor) (10:50 - 12:00)

-Conveners: Alberto Loarte

time	[id] title	presenter
10:50	[11] Isotopic Fuel Tailoring as Actuator for Burn Control in Tokamak Reactors	SCHUSTER, Eugenio
11:25	[4] Integrated power and particle exhaust scenarios	KALLENBACH, Arne

Plasma Chamber and Tritium Behavior - Board Room C (C building, 4th floor) (13:15 - 15:00)

-Conveners: Alberto Loarte

time	[id] title	presenter
13:15	[24] Plasma core transport of D and T and implications for the fuel cycle	GARCIA, Jeronimo
13:50	[36] A survey of the behavior of impurities in tokamak plasmas	DUX, Ralph
14:25	[31] Plasma-material interaction in the main chamber of fusion reactors: the role of high-Z and low-Z wall materials on erosion, dust, fuel retention, and fuel recovery methods	BREZINSEK, Sebastijan

Plasma Chamber and Tritium Behavior - Board Room C (C building, 4th floor) (15:15 - 16:25)

-Conveners: Alberto Loarte

time	[id] title	presenter
15:15	[28] Plasma chamber PMI – Linear plasma facilities (implantation, retention, erosion, first wall)	TYNAN, George
15:50	[17] Plasma chamber PMI – Linear plasma facilities (TPE, implantation and irradiated materials)	SHIMADA, Masashi