

"Second Training School of the PITHIA-NRF Plasmasphere Thermosphere and Ionosphere Integrated Research Environment supported by T-FORS Machine Learning models" Programme

	Monday, 5 February 2024	Tuesday, 6 February 2024	Wednesday, 7 February 2024	Thursday, 8 February 2024	Friday, 9 February 2024		
8:30						8:30	
8:45						8:45	
9:00		Walk in	Walk in	Walk in	Walk in	9:00	
9:15						9:15	
9:30						9:30	
9:45						9:45	
10:00		"Fundamentals in thermosphere", Sean Bruinsma (CNES)	"LSTIDs: sources, propagation characteristics, detection techniques", David Altadill (OE)	"MSTIDs: sources, propagation characteristics, detection techniques", Sivakandan Mani (IAP-L)	Work Groups in Action	10:00	
10:15						10:15	
10:30						10:30	
10:45		Coffee Break	Coffee Break	Coffee Break	Coffee Break	10:45	
11:00						11:00	
11:15						11:15	
11:30		"ML-AI", Giovanni Lapenta (KU Leuven)	"Dynamic kinetic model of the plasmasphere", Viviane Pierrard (BIRA-IASB)	"TID nowcasting models - MSTIDs (focused on CDSS)", TBC (IAP-P)	Work Groups in Action	11:30	
11:45						11:45	
12:00						12:00	
12:15						12:15	
12:30		"Instrumentation (ground and space)", Tobias Verhulst (RMI)	"Themospheric models", Sean Bruinsma (CNES)	"TID forecasting models - MSTIDs", Sivakandan Mani (IAP-L)		12:30	
12:45						12:45	
13:00	Lunch / Registration / Opening		"Ionospheric irregularities & scintillations", Luca Spogli (INGV)	TBD		13:00	
13:15						13:15	
13:30		Lunch Break			Lunch Break	13:30	
13:45			Lunch Break	Lunch Break		13:45	
14:00						14:00	
14:15						14:15	
14:30	"Solar wind - magnetosphere interactions", Stefaan Poedts (KU Leuven)	"PITHIA-NRF e-Science Centre: how to discover, access, register data collections", Tamas Kiss (UoW)	"EISCAT data collections", Anders Tjulin (EISCAT)	Work Groups Introduction	Work Groups Presentations	14:30	
14:45						14:45	
15:00		"Heliospheric data and model results", Michaela Brchnelova (KU Leuven)	"GIM maps", Manuel Hernandez-Pajares (UPC)	Work Groups kick off		15:00	
15:15	Coffee Break					15:15	
15:30						15:30	
15:45		Coffee Break	Coffee Break	Coffee Break	Evaluation of Work Groups Results	15:45	
16:00	"Fundametals in ionosphere", Luca Spogli (INGV)					16:00	
16:15						16:15	
16:30		"Ionospheric predictions for large scale storms", Anna Belehaki (NOA)	"TID nowcasting models - LSTIDs", Antoni Segarra (OE)	Work Groups in Action	Announcement of Work Groups Evaluation	16:30	
16:45						Farewell	16:45
17:00	"Fundamentals in plasmasphere", Fabien Darrouzet (BIRA-IASB)	TBD	"TID forecasting models - LSTIDs", Luca Spogli/Claudio Cesaroni (INGV)				17:00
17:15							17:15
17:30						17:30	