

"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) - aula 00.08	"LSTIDs: sources, propagation characteristics, detection techniques", David Altadill (OE) - aula 00.08	"MSTIDs: sources, propagation characteristics, detection techniques", Sivakandan Mani (IAP-L) - aula 00.08	Work Groups in Action - aula 00.08 & Dijlezaal M00.A1	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) - aula 00.08	"Ionospheric data assimilation models", Ivan Galkin (BGD) - aula 00.08	"TID nowcasting models - MSTIDs (focused on CDSS)", Tobias Verhulst (RMI) - aula 00.08	Work Groups in Action - aula 00.08 & Dijlezaal M00.A1	11:30	
11:45						11:45	
12:00			"Themospheric models", Sean Bruinsma (CNES) - aula 00.08	"TID forecasting models - MSTIDs", Sivakandan Mani (IAP-L) - aula 00.08		12:00	
12:15						12:15	
12:30		"Instrumentation (ground and space)", Tobias Verhulst (RMI) - aula 00.08				12:30	
12:45						12:45	
13:00	Registration / Opening - Huis Bethlehem, KU Leuven, Auditorium Wolfspoot		"Ionospheric irregularities & scintillations", Luca Spogli (INGV) - aula 00.08	"RayTracing models", Ivan Galkin (BGD) - aula 00.08		13:00	
13:15						13:15	
13:30			Lunch Break - STUK Art Centre Leuven	Lunch Break - STUK Art Centre Leuven	Lunch Break - STUK Art Centre Leuven	13:30	
13:45						13:45	
14:00						14:00	
14:15				Lunch Break - STUK Art Centre Leuven		14:15	
14:30	"Solar wind - magnetosphere interactions", Stefaan Poedts (KU Leuven) - aula 00.08	"PITHIA-NRF e-Science Centre: how to discover, access, register data collections", Tamas Kiss (UoW) - Raadzaal 00.18	"EISCAT data collections", Anders Tjulin (EISCAT) - aula 00.08		Work Groups Presentations- aula 00.08	14:30	
14:45						14:45	
15:00						15:00	
15:15	Coffee Break	"Heliospheric data and model results", Michaela Brchnelova (KU Leuven) - Raadzaal 00.18	"GIM maps", Manuel Hernandez-Pajares (UPC) - aula 00.08	Work Groups Introduction & Kick-off - aula 00.08 & Dijlezaal M00.A1		15:15	
15:30						15:30	
15:45	"Fundamentals in plasmasphere", Fabien Darrouzet (BIRA-IASB) - aula 00.08	Coffee Break	Coffee Break	Coffee Break	Evaluation of Work Groups Results - aula 00.08	15:45	
16:00						16:00	
16:15		"Ionospheric predictions for large scale storms", Anna Belehaki (NOA) - Raadzaal 00.18	"TID nowcasting models - LSTIDs", Antoni Segarra (OE) - aula 00.08	Work Groups in Action- aula 00.08 & Dijlezaal M00.A1	Announcement of Work Groups Evaluation - aula 00.08	16:15	
16:30						Farewell	16:30
16:45							16:45
17:00	"Foundametals in ionosphere", Luca Spogli (INGV) - aula 00.08	"Dynamic kinetic model of the plasmasphere", Viviane Pierrard (BIRA-IASB) - Raadzaal 00.18	"TID forecasting models - LSTIDs", Claudio Cesaroni (INGV) - aula 00.08			17:00	
17:15						17:15	
17:30						17:30	
17:45						17:45	
18:00						18:00	
18:15	Welcome Drink - Huis Bethlehem, KU Leuven, Reception Room					18:15	
18:30						18:30	
18:45						18:45	
19:00						19:00	
19:15						19:15	
19:30					Social Dinner - DOMUS Leuven	19:30	
19:45						19:45	
20:00						20:00	
20:15						20:15	
20:30						20:30	
20:45						20:45	
21:00						21:00	
21:15						21:15	
21:30						21:30	
21:45		Social Activity - Brewery Visit Stella Artois				21:45	
22:00						22:00	
22:15						22:15	
22:30						22:30	