SHARP Summer School on Collisionless Shocks in Space, August 21-25, 2023

Monday 21.08.		Tuesday 22.08.		Wednesday 23.08.	
9:00 - 10:30	What are shocks? *Michael Gedalin*	9:00 - 10:30	Heliospheric shock measurements 2 (particles) *Ahmad Lalti*	9:00 - 10:30	The transmission of turbulence across shock waves *Gary Zank*
10:30 - 11:00	Coffee break	10:30 - 11:00	Coffee break	10:30 - 11:00	Coffee break
11:00 - 12:30	What are collisionless shocks? *Michael Gedalin*	11:00 - 12:30	Lab 1: Introduction to data analysis *Andrew Dimmock, Daniel Graham, Ahmad Lalti*	11:00 - 12:30	Global solar wind interactions with the magnetosphere *Natalia Ganushkina*
12:30 - 13:30	Lunch	12:30 - 13:30	Lunch	12:30 - 13:30	Lunch
13:30 - 15:30	Individual study time and informal discussions	13:30 - 15:30	Individual study time and informal discussions	13:30 - 15:30	Individual study time and informal discussions
15:30 - 16:00	Refreshments	15:30 - 16:00	Refreshments	15:30 - 16:00	Refreshments
16:00 - 17:00	Formation of shock waves in the heliosphere *Andrew Dimmock*	16:00 - 17:30	Mode-Decomposition in MHD Solar Wind Plasma Revisited *Gary Zank*	16:00 - 17:00	Lab 2: Calculating fundamental shock parameters *Ahmad Lalti*
17:00 - 17:15	Break			17:00 - 17:15	Break
17:15 - 18:15	Heliospheric shock measurements 1 (fields) *Daniel Graham*			17:15 - 18:15	Discussions

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Thursday 24.08.		Friday 25.08.	
9:00 - 10:30	Introduction to astrophysical shocks *Jacco Vink*	9:00 - 10:30	Academic skills: formulating ideas and proposal writing *Natalia Ganushkina*
10:30 - 11:00	Coffee break	10:30 - 11:00	Coffee break
11:00 - 12:30	Acceleration tutorial *Jacco Vink*	11:00 - 12:30	Round table: summarizing the school and feedback
12:30 - 13:30	Lunch	12:30 - 13:30	Lunch
13:30 - 15:30	Individual study time and informal discussions		
15:30 - 16:00	Refreshments		
16:00 - 17:30	Solar energetic particle acceleration in shocks *Alexandr Afanasiev*		
17:30 - 17:45	Break		
17:45 - 18:15	Databases *Max van de Kamp*		

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