

Heliophysics Summer School August 14-22, 2024 Boulder, CO

	Wed, Aug 14	Thur, Aug 15 (Plasma)	Fri, Aug 16 (Processes)	Sat, Aug 17 (Dynamos)	Sun, Aug 18	Mon, Aug 19 (Magsphere)	Tues, Aug 20 (Planets)	Wed, Aug 21	Thur, Aug 22
8:30 - 9:50am	Welcome and Introductions	Neutral Fluids and Plasmas [Marco Velli]	Particle Orbits, Transport [Bob Ergun]	Magnetic Structures [Ben Lynch]	TIME OFF	Stellar Dynamos [Matthias Rempel]	Intro to Magnetosphere [Fran Bagenal]	Capstone Work (8:30 - 10:20)	Madhulika Guhathakurta wrap up
9:50-10:10am	Break	Break	Break	Break		Break	Break	Break	Break
10:10 -11:30am	The Physics of Heliophysics [Tom Bogdan]	MHD [Raluca Ilie]	Heating and Acceleration Energetic Particles [Bob Ergun]	Magnetic Instability/ Activity [Ben Lynch]		Planetary Dynamos [Matthias Rempel]	Comparative Planetary Environments [David Brain]	Ionosphere Activity (10:30 - 12:00)	Capstone Presentations
11:30 -Noon	Discussion	Q&A	Q&A	Q&A		Q&A	Q&A		
Noon-1:30pm	Lunch	Lunch	Lunch	TIME OFF		Lunch	Lunch HAO Tours 12:30 & 1:00pm	Lunch	Lunch
1:30-2:50pm	Magneto-Ionosphere System [Lauren Blum]	Stellar Winds and Astrospheres [Marco Velli]	Turbulence [Anna Tenerani]			Magneto-sphere Lab	Planetary Habitability I [David Brain]	Structure of the Ionosphere [Robert Marshall]	Wrap Up
2:50-3:10pm	Break	Break	Break			Break	Break	Break	Break
3:10-5:00pm	Capstone Intro	Solar Wind Activity	Turbulence Activity (Nikos Sioulas)			Capstone Work	Planetary Habitability II [David Brain]	Long term variability of the Ionosphere [Robert Marshall]	Adjourn
	Evening Reception & Poster Session 5:00-6:30pm			TIME OFF				Evening Dinner at Mesa Lab 5:30-8:00pm	