

Heliophysics Summer School: 2018

Comparative Heliophysics

Boulder, Colorado

	Heliophysics Core	Heliophysics and Planets		Magnetosphere, Ionosphere, and Asterospheres			Living with Stars & Societal Relevance		
	Day 1: Tuesday, July 24	Day 2: Wednesday, July 25	Day 3: Thursday, July 26	Day 4: Friday, July 27	Day 5: Saturday, July 28	Day 6: Sunday, July 29	Day 7: Monday, July 30	Day 8: Tuesday, July 31	
8:30-10:00	Welcome and Introductions	Solar and Stellar Winds	Planetary Dynamios	Why does the Earth have a Magnetosphere, Radiation Belts & an Ionosphere?	Coronae, Heliospheres and Asterospheres	Day Off	Student Research Presentations	Living Stars and Societal Relevance	
10:30-12:00	Why do Sun and Planets Have Magnetic Fields?	Dynamo Theory: Basics	Exoplanets	Student Research Presentations	Evolution on Short and Long Time Scales		Planetary Ionospheres	Career Discussion	
12:00-1:30	Group Photo Lunch	Lunch	Lunch	Lunch	Time Off		Lunch	Lunch	
1:30-3:00	Why is there a Corona and a Wind?	Stellar Dynamios	(1:00 start) Explosive Events: CMEs, Flares and Substorms	Planetary Magnetospheres				Long-Term Evolution of the Geospace Climate	Summer School Feedback from Students and Adjournment
			(2:15 start) Applied Artificial Intelligence for Space Weather Research						
3:30-5:30	Lab: Tracking a Solar Storm	Lab: Solar Wind	Lab: Dynamios	Lab: Comparative Magnetospheres			Lab: Exploring Ionospheric Structure		
	5:30-7:00 Welcome Reception Center Green Patio							6:00-7:30 Farewell Dinner Mesa Lab Cafeteria	

Please note that all lunches start at 12pm and end at 1:30, except for Thursday, July 26, when the lunch time is 12pm to 1pm.