

Science Undergraduate Laboratory Internship Program
2016 Introductory Course in Plasma Physics
MBG Auditorium @ PPPL

Agenda

Monday, June 6, 2016

9:15 am	Welcome/Introductions	Arturo Dominguez / PPPL
9:30	Introduction to Plasma Physics	Nat Fisch / PPPL
11:00	Introduction to <u>Magnetic</u> Confinement	Rob Goldston / PPPL
12:30	Lunch in PPPL cafe	
1:30 pm	Single Particle Motion	Cami Collins / GA
3:00	Magnetohydrodynamics (MHD)	Antoine Cerfon / NYU
4:30	Astrophysical Plasmas	Matthew Kunz / Princeton
6:00	Shuttle to campus	
6:30	Student dinner on Forbes Patio	Main campus

Tuesday, June 7, 2016

9:30 am	Experimental Methods	Sam Cohen / PPPL
11:00	Reconnection	Nuno Loureiro / MIT
12:30	Lunch in PPPL café	
2:00-5:00	Group A Tour/Exp	Bob Kaita / PPPL
2:00-5:00	Group B1 Experimental Grad Lab	Sam Cohen / PPPL
	Group B2 Science Ed Lab	Arturo Dominguez / PPPL
5:30	Shuttle to campus	
6:15	Student dinner on Forbes Patio	Main campus

Wednesday, June 8, 2016

9:30 am	Waves in Plasmas	Saskia Mordjick / William & Mary
11:00	The Role of High Performance Computing in Understanding RF Wave-Particle Interactions in Fusion Plasmas	Paul Bonoli / MIT
12:30	Lunch in PPPL café	
1:45	Group photo session @ lobby	Elle Starkman
2:00-5:00	Group B Tour/Exp	Bob Kaita / PPPL
2:00-5:00	Group A1 Experimental Grad Lab	Sam Cohen / PPPL
	Group A2 Science Ed Lab	Arturo Dominguez / PPPL
5:30	Shuttle to campus	
6:30	Student dinner on Forbes lawn	Main campus

Thursday, June 9, 2016

9:30 am	Introduction to ICF	Luc Peterson / LLNL - NIF
11:00	Relativistic Laser Plasmas	Julia Mikhailova / Princeton
12:30	Lunch in PPPL café	
1:30 pm	Stellarators	David Maurer / Auburn
3:00	Homework Session / Dinner @PPPL (5PM)	Graduate Students
7:00	Shuttle to campus	

Friday, June 10, 2016

9:30 am	Materials Science in Fusion Devices	Angela Capece / TCNJ
11:00 am	Complex Plasmas	Edward Thomas / Auburn
12:30	Lunch in PPPL café	
1:30 pm	Computational Plasma Physics	Matt Landreman / Maryland
3:00	Homework Session / Dinner @PPPL (5PM)	Graduate Students
7:00	Shuttle to campus	