	The Village		Village West 15th floor	Village West 15th floor	Village West 15th floor	Village West 15th floor		Sanford Roth Auditorium		Village West 15C
Time	**Sunday, July 30**	**Time**	**Monday, July 31**	**Tuesday, August 1**	**Wednesday, August 2**	**Thursday, August 3**	**Time**	**Friday, August 4**	**Time**	**Saturday, August 5**
	Reading and writing early assignments	08:00-08:45	Breakfast in Café Ventanas	Breakfast	Breakfast	Breakfast	08:00-08:45	Breakfast	08:00-08:45	Breakfast
		09:00-10:15	Fundamental plasma physics I: structure of plasma theory [Shadwick, UNL]	Fund. plasma physics II: linear waves, scattering, radiation [Froula, UR]	Fund. plasma physics III: waves and instabilities in HED plasmas [Afeyan, PRI]	Fund. plasma physics IV: Effects of magnetic fields and relativistic intensities [Sydora, UAlberta]	09:00-10:15	Modern Tools HEDP Computational Modeling [Hittinger, LLNL]	09:00-13:00	Office Hours [workshop leads by appointment]
		10:15-11:30	HED frontier experiments with short-pulse lasers [Shepherd, LLNL]	Atomic and radiation physics [Mancini, UNR]	Taming the physics of high energy, high peak power lasers [Link, LLNL]	Introduction to ICF I: a hydro perspective [Betti, UR]	10:15-11:30	Laser particle interaction in the relativistic regime [Arefiev, UCSD]		
		11:30-12:00	Break	Break	Break	Break	11:30-12:00	Break		Work on your individual projects!
		12:00-13:15	Laser particle acceleration [Roth, TUD]	Results in High Pressure Physics [Hemley GWU]	Fundamentals of effective oral presentation [Fox, UCSD]	Introduction to ICF II: a hydro perspective [Betti, UR]	12:00-13:15	Material science in extreme environments [Sarah Stewart, UCD]		
		13:15-14:30	Lunch in Café Ventanas	Lunch	Lunch	Lunch	13:15-14:30	Lunch	13:15-14:30	Lunch
		Parallel workshop threads 14:30-17:30 with break 15:45-16:15	Room 15A: math/physics for HED crash course I [Afeyan, Sydora, Hittinger, Shadwick], computational methods and data analysis tools [Golovkin, Tzeferacos]	Rm 15A: hydrodynamic modeling crash course cont'd [Golovkin, Tzeferacos]	Rm 15A: hydrodynamic modeling crash course cont'd [Golovkin, Tzeferacos]	Rm 15A: hydrodynamic modeling recommended projects [Golovkin, Glinsky, Tzeferacos]	14:30-15:45	The theoretical description of HED Matter [Graziani, LLNL]		
				Rm 15B: Spectroscopy crash course [Mancini, Beg]	Rm 15B: Spectroscopy crash course [Mancini, Meyerhofer]	Rm 15B: Spectroscopy/data analysis recommended projects [Mancini, Meyerhofer, McGuffey]	15:45-18:00	Work on your individual projects!		Work on your individual projects!
16:00 +	Checkin for on-campus housing (open 24/7)		Room 15B: Experimental tools: Thomson Scattering and Spectroscopy [Froula]	Rm 15C: kinetic modeling crash course cont'd [Afeyan, Hittinger, Shadwick, Sydora]	Rm 15C: NLO of plasmas- SRS, SBS, TPD, FIL, CBET [Afeyan, Hittinger, Shadwick, Sydora]	Rm 15C: kinetic modeling recommend projects [Afeyan, Hittinger, Sydora]				
18:00-19:00	Dinner in Café Ventanas	17:30-18:00	free	free	free	free				
19:00-20:00	Dessert & Drinks / registration Village West 15th Floor	18:00-19:00	Dinner in Café Ventanas	Dinner	Dinner	Dinner	18:00-19:00	Dinner	18:00-19:00	Dinner

Village West 15C

Time	Sunday, August 6
08:00-08:45	Breakfast
09:00-13:00	Office Hours [workshop leads by appointment]
	Work on your individual projects!
13:15-14:30	Lunch
	Work on your individual projects!
18:00-19:00	Dinner

Village West 15th floor / Village West 15th floor

Time	Monday, August 7	Tuesday, August 8
08:00-08:45	Breakfast	Breakfast
09:00-10:15	Advanced laser systems of today and the future [Haefner, LLNL]	Laser particle acceleration: electrons and photons [Fuchs, UNL]
10:15-11:30	Introduction to magnetized ICF [Peterson, SNL]	Target fabrication for the NIF [Nikroo, LLNL]
11:30-12:00	Break	Break
12:00-13:15	4x student invited oral talks (15+3 min)	Target fabrication capabilities for HED science at General Atomics [Farrell, GA]
13:15-14:30	Lunch	Lunch
14:30-17:30	Poster session, rooms 15A-B Break Poster session cont'd	General Atomics tour (if listed on your name badge, board bus on Scholars Drive by 14:30 sharp!) or UCSD walking tour (meet on grass in front of Café Ventanas at 14:30)
18:00-19:00	Dinner	Dinner

Rady Beyster Auditorium

Time	Wednesday, August 9
08:00-08:45	Breakfast
09:00-10:15	Advanced magnetized HED: MHD instabilities in Z-pinches [J Hammer, LLNL]
10:15-11:30	New physics of matter under extreme pressures [Collins, LLE]
11:30-13:15	Individual projects with workshop leads' supervision [Tzeferacos, Hansen, Afeyan]
13:15-14:30	Lunch
14:30-15:45	Career Panel
15:45-18:00	Individual projects with workshop leads' supervision [Tzeferacos, Hansen, Afeyan]
18:00-19:00	Dinner

Faculty Club/Rady 1E106

Time	Thursday, August 10
08:00-08:45	Breakfast
09:00-10:30	Frontier Presentations @ Community Wksp (Faculty Club)
10:30-10:45	Break
10:45-12:30	Frontier Presentations @ Community Wksp (Faculty Club)
12:30-13:15	Return to Village
13:15-14:30	Lunch in Café Ventanas
14:30-18:00	Work as a team to improve best project (Rady)
18:00-19:00	Dinner

Sanford / Faculty Club

Time	Friday, August 11
08:00-08:45	Breakfast
09:00-12:00	18x 8 minute group presentations (Sanford Roth Auditorium)
12:00-13:00	Lunch in Café Ventanas
13:00-17:00	Observe Community Workshop (Faculty Club) [bus loop Faculty Club <-->Sanford 16:30-20:30]
17:00-18:00	Dinner in Café Ventanas
18:00-20:30	Closing social (Sanford Bella Vista patio)

Café Ventanas

Time	Saturday, August 12
08:00-08:45	Breakfast
13:15-14:30	Lunch in Café Ventanas