

Agenda for the Annual Meeting of the National Diagnostic Working Group (December 2022)

	Day 1 (12/13) - Tues - CGSC building		Day 2 (12/14) - Wed - CGSC building		Day 3 (12/15) - Thurs - Building 810	
	Day 1 (12/13)	Speaker	Title	Speaker	Title	Speaker
7:30	Badging at IPOC (7:15-9am)		Coffee and Bagels (7:30-8:30 am)		Coffee and Bagels (7:30-8:30 am)	
7:45						
8:00						
8:15						
8:30						
8:45			SNL Highlights (20min + 10min) (start @ 8:30am)	Michael Jones (SNL)	Weapon Physics and Uses of Ignition (start@8:30am)	Heather Whitley, Shon Prisbrey (LLNL) (45 min)
9:00	Coffee and Bagels (9:00 - 9:30am)		LLNL Highlights (20min + 10min)	Andy MacKinnon (LLNL)		
9:15					O&S Needs	Dan Thorn (LLNL)
9:30	Welcome (start@9:30am)	Steven Ross/Eric Harding	LLE Highlights (20min + 10min)	Sean Regan (LLE)	PAT Needs	Pat Knapp (SNL)
9:45	LANL Highlights (10 min +10min)	Eric Loomis (LANL)	Break	Break		
10:00						
10:15	DT variability on NIF	Laurent Divol (LLNL)	OPSPecTR update	Kathy Opachich (LLNL)	SAT Needs	Sean Finnegan (LANL)
10:30			Film scanning update	Greg Dunham (SNL)		
10:45	Neutron and gamma imaging ca	Mora Durocher (LANL)	Multi-meter drift tubes	Chris McGuffey (GA)	Break	Break
11:00	Break	Break	High Yield X-Ray Imager	Terry Hilsabeck (LLNL)	Materials Needs	Bob Heeter (LLNL)
11:15	Future directions of fusion react	Kevin Meaney (LANL)	UPAC / Diode Development	Quinn Looker (SNL)		
11:30	Ion temp imaging at NIF	Chris Danly (LANL)	Third LOS at Omega	Steven Ivancic (LLE)	Halite-Centurion	Eric Loomis (LANL)
11:45	NIS Analysis Toolbox	Matt Freeman (LANL)	Group Photo			
12:00	Lunch (on your own)		Lunch (on your own)		Lunch on campus at Thunderbird café	
12:15						
12:30						
12:45						
13:00						
13:15	Development of PRT	Sam Langendorf (LANL)	SLTD scattered light time histor	Mike Rosenberg (LLE)	UGT Diagnostics	Mark May (LLNL)
13:30	KODI neutron imager	Peter Heuer (LLE)	3D VISAR	Peter Celliers (LLNL)		
13:45	Rad. Chem	Anna Hayes (LANL)	OTS update	Steven Ross (LLNL)	O&S X-ray Effects Gaps	Phil Wolfram (LANL)
14:00	RIFs w/nTOF	Justin Jeet (LLNL)	Optical Imaging/Shadowgraphy	David Yager (SNL)	O&S Neutron Effects	Marc Wonders (LLNL)
14:15	3D rho-r multi-nTOFs at Omega	Chad Forrest (LLE)	Overview of low-density plasma	Jacob Banasek (SNL)	O&S SGEMP	Tim Flanagan (SNL)
14:30	MIT diagnostic update	Maria Gatu Johnson (MIT)	Pyrometry on Z	Dan Dolan (SNL)	Warm X-ray Source Developmen	Marc Schaeuble (SNL)
14:45	Break	Break	Break	Break	Break	Break
15:00	1. Emerging techniques for time-resolved neutron spectra. 2. Alternative HED x-ray sources for backlighting, diffraction, and scattering. 3. Machine Learning-indentify key diagnostics to reduce uncertainty.	Breakout Sessions (1,2,3)	4. 3D reconstruction techniques and best practices 5. Optical/UV spectroscopy and Imaging Diagnostics for low- density plasmas on Z 6. Diagnostics for ICF Mix	Breakout Sessions (4,5,6)	Advanced Tech (30 min)	Warren Hsing
15:15						
15:30					Next Generation Pulsed Power	Greg Rochau (SNL)
15:45					Sierra	Gary Grim (LLNL)
16:00					Burn History Diagnostics on Z	Kevin Yates (SNL)
16:15					Outbrief from mini-nTOF worksh	Kelly Hahn (LLNL)
16:30					General Discussion	
16:45						
17:00	Closing remarks		Closing remarks		Closing remarks	