

Monday, June 15th

**Chair: Thomas Kwan**

7:55-8:00	Welcome	Frank	Tsung	UCLA	
8:00-8:30	Beryllium implosion experiments on the National Ignition Facility	Austin	Yi	LANL	<a href="mailto:austinyi@lanl.gov">austinyi@lanl.gov</a>
8:30-8:50	High Foot Implosions in Large Cylindrical Hohlräume	Denise	Hinkel	LLNL	<a href="mailto:hinkel1@llnl.gov">hinkel1@llnl.gov</a>
8:50-9:10	Investigation of beam non-uniformity after cross-beam energy transfer on the National Ignition Facility	Louisa	Pickworth	LLNL	<a href="mailto:pickworth1@llnl.gov">pickworth1@llnl.gov</a>
9:10-9:30	Inline Modeling of Cross-Beam Energy Transfer and Stimulated Raman Scattering in Radiation- Hydrodynamics Codes	David	Strozzi	LLNL	<a href="mailto:strozzi2@llnl.gov">strozzi2@llnl.gov</a>
9:30-9:50	Collective stimulated Brillouin scattering in multiple beams interaction	Sylvie	Depierreux	CEA,DAM,DIF	<a href="mailto:sylvie.depierreux@polytechnique.edu">sylvie.depierreux@polytechnique.edu</a>
9:50-10:10	Multibeam Seeded Brillouin Sidescatter in Inertial Confinement Fusion Experiments	David	Turnbull	LLNL	<a href="mailto:turnbull2@llnl.gov">turnbull2@llnl.gov</a>
10:10-10:30	Break				

**Chair: Denise Hinkel**

10:30-11:00	Multi-beam stimulated Raman scattering in ICF conditions	Pierre	Michel	LLNL	<a href="mailto:michel7@llnl.gov">michel7@llnl.gov</a>
11:00-11:20	Diagnosing Cross-Beam Energy Transfer Using Beamlets of Unabsorbed Light from Direct-Drive Implosions	Dana	Edgell	University of Rochester	<a href="mailto:dedg@lle.rochester.edu">dedg@lle.rochester.edu</a>
11:20-11:40	Quantifying the Growth of Cross-Beam Energy Transfer in Polar-Direct-Drive Implosions	Amanda	Davis	LLE	<a href="mailto:adavi@lle.rochester.edu">adavi@lle.rochester.edu</a>
11:40-12:00	The Effects of Beam Incoherence and Colors on Cross-Beam Energy Transfer	Andre	Maximov	LLE	<a href="mailto:amax@lle.rochester.edu">amax@lle.rochester.edu</a>
12:00-12:20	Effects of Cross-Beam Energy Transfer on Scattered-Light Spectra from OMEGA and National Ignition Facility Implosions*	Wolf	Seka	LLE	<a href="mailto:seka@lle.rochester.edu">seka@lle.rochester.edu</a>

**Chair: Peter Amendt**

7:00 - 8:00	Exploring the Scaling of Missing Energy and Backscatter with Hohlraum Gas Fill, Case/Capsule Ratio, and Pulse Length*	Ogden	Jones	LLNL	<a href="mailto:oggie@llnl.gov">oggie@llnl.gov</a>
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Tuesday, June 16th

**Chair: Dustin Froula**

8:00-8:30	Zakharov Modeling of Thomson-Scattering Measurements of Multibeam Two-Plasmon Decay	Russell	Follett	LLE	<a href="mailto:rfolett@lle.rochester.edu">rfolett@lle.rochester.edu</a>
8:30-8:50	Planar Two-Plasmon–Decay Experiments at Polar-Direct-Drive Ignition-Relevant Scale Lengths at the National Ignition Facility	Michael	Rosenberg	LLE	<a href="mailto:mros@lle.rochester.edu">mros@lle.rochester.edu</a>
8:50-9:10	Absolute Two-Plasmon Decay and Stimulated Raman Scattering in Direct-Drive Irradiation Geometries	Robert	Short	University of Rochester	<a href="mailto:rsho@lle.rochester.edu">rsho@lle.rochester.edu</a>
9:10-9:30	A Three-Dimensional Model for Hot-Electron Generation in Direct-Drive Implosions	Jason	Myatt	LLE	<a href="mailto:jmya@lle.rochester.edu">jmya@lle.rochester.edu</a>
9:30-9:50	Two-plasmon decay instabilities in a plasma with ion density fluctuations	Jun	Li	University of Rochester	<a href="mailto:cren@lle.rochester.edu">cren@lle.rochester.edu</a>
9:50-10:10	Dynamic-Bandwidth-Reduction Experiments on the OMEGA Laser	Dustin	Froula	LLE	<a href="mailto:dfroula@lle.rochester.edu">dfroula@lle.rochester.edu</a>
10:10-10:30	Break				

**Chair: David Strozzi**

10:30-11:00	Channeling Kilojoule Laser Pulses Through Long-Scale-Length Plasmas	Steven	Ivancic	LLE	<a href="mailto:siva@lle.rochester.edu">siva@lle.rochester.edu</a>
11:00-11:20	Electron shock ignition of thermonuclear fuel	Ricardo	Betti	LLE	<a href="mailto:betti@lle.rochester.edu">betti@lle.rochester.edu</a>
11:20-11:40	Improved fast heating coupling efficiency to laser-compressed deuterated plastic shells via visualization of fast electron transport	Christopher	McGuffey	UCSD	<a href="mailto:cmcguffey@ucsd.edu">cmcguffey@ucsd.edu</a>
11:40-12:00	Fast-Electron Temperature Measurements in Laser Irradiation at $10^{14}$ to $10^{15}$ W/cm <sup>2</sup>	Andre	Solodov	LLE	<a href="mailto:asol@lle.rochester.edu">asol@lle.rochester.edu</a>
12:00-12:20	Heat-Flux Measurements from Thomson-Scattering Spectra	Robert	Henchen	LLE	<a href="mailto:rhen@lle.rochester.edu">rhen@lle.rochester.edu</a>

**Chair: Ben Winjum**

7:00 - 8:00	High energy density physics research at SLAC	Frederico	Fiuzza	SLAC	<a href="mailto:fiuzza@slac.stanford.edu">fiuzza@slac.stanford.edu</a>
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Wednesday, June 17th

**Chair: Suxing Hu**

8:00-8:30	Ion-kinetic effects in ICF	Olivier	Larroche	CEA	<a href="mailto:olivier.larroche@cea.fr">olivier.larroche@cea.fr</a>
8:30-8:50	Off-axis stagnation of a high-Z hohlraum wall onto a capsule ablator: hydrodynamics vs. collisional-PIC modeling	Laurent	Divol	LLNL	<a href="mailto:divol1@llnl.gov">divol1@llnl.gov</a>
8:50-9:10	Three-dimensional Single-mode Nonlinear Ablative Rayleigh-Taylor Instability	Rui	Yan	LLE	<a href="mailto:ryan@le.rochester.edu">ryan@le.rochester.edu</a>
9:10-9:30	Simulating the growth of small perturbations in laser-driven ICF planar targets using the FAST3D code	Jason	Bates	NRL	<a href="mailto:jason.bates@nrl.navy.mil">jason.bates@nrl.navy.mil</a>
9:30-9:50	Effects of Long- and Intermediate-Wavelength Asymmetries on Hot-Spot Energetics	Arijit	Bose	LLE	<a href="mailto:abos@le.rochester.edu">abos@le.rochester.edu</a>
9:50-10:10	Sensitivity of hot spot properties to the cold DT fuel adiabat and interfacial instabilities	Baolian	Cheng	LANL	<a href="mailto:bcheng@lanl.gov">bcheng@lanl.gov</a>
10:10-10:30	Break				

**Chair: Scott Wilks**

10:30-11:00	First principles based EOS model of carbon for HEDP and ICF applications	Lorin	Benedict	LLNL	<a href="mailto:benedict5@llnl.gov">benedict5@llnl.gov</a>
11:00-11:20	Quantum molecular dynamics simulations of matter at extreme conditions	Lee	Collins	LANL	<a href="mailto:lac@lanl.gov">lac@lanl.gov</a>
11:20-11:40	Extended Equation of State of Polystyrene (CH) Based on First-Principles Calculations	Suxing	Hu	LLE	<a href="mailto:shu@le.rochester.edu">shu@le.rochester.edu</a>
11:40-12:00	The Release Behavior of Diamond Shocked to 15 Mbar	Michel	Gregor	LLE	<a href="mailto:mgreg@le.rochester.edu">mgreg@le.rochester.edu</a>
12:00-12:20	PHYSICS AND DESIGNS OF IGNITION CAPSULES USING HIGH-DENSITY CARBON (HDC) ABLATORS: ROBUST DESIGNS, STABILITY, PICKETED PULSES, AND SHOCK MERGES	Darwin	Ho	LLNL	<a href="mailto:ho1@llnl.gov">ho1@llnl.gov</a>

**Chair: Matthias Geissel**

7:00 - 8:00	Adventures in ICF with magnetic fields	Adam	Sefkow	Sandia National Laboratories	<a href="mailto:absefko@sandia.gov">absefko@sandia.gov</a>
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Thursday, June 18th

**Chair: Christopher McGuffey**

8:00-8:30	Efficient ion beams with narrow energy spread from laser-driven relativistic plasma accelerators using giant self-generated plasma fields	Sasi	Palaniyappan	LANL	<a href="mailto:sasi@lanl.gov">sasi@lanl.gov</a>
8:30-8:50	Numerical Cerenkov instability in LWFA Lorentz boosted frame simulation and relativistic collisionless shock simulation	Peicheng	Yu	UCLA	<a href="mailto:tpc.1983@gmail.com">tpc.1983@gmail.com</a>
8:50-9:10	Towards a Robust Plasma Wave Amplifier	Peter	Norreys	Imperial College/RAL	<a href="mailto:peternorreys@physics.ox.ac.uk">peternorreys@physics.ox.ac.uk</a>
9:10-9:30	Studies on the Saturation Limit of Stimulated Raman Backscattering	Jun	Ren	DESU	<a href="mailto:jren@desu.edu">jren@desu.edu</a>
9:30-9:50	Effects of Spontaneous Magnetic Fields on the Propagation of Supersonic Plasma Jets	Chikang	Li	MIT	<a href="mailto:ckli@mit.edu">ckli@mit.edu</a>
9:50-10:10	Electron Dynamics in High Energy Density Magnetized Plasmas	Archis	Joglekar	University of Michigan	<a href="mailto:archisj@umich.edu">archisj@umich.edu</a>
10:10-10:30	Break				

**Chair: Chikang Lee**

10:30-11:00	Ion Thermal Decoupling and Species Separation in Shock-Driven Implosions	Hans	Rinderknecht	MIT	<a href="mailto:hgr@mit.edu">hgr@mit.edu</a>
11:00-11:20	Shock-Induced Mix Across an Ideal Interface	Claudio	Bellei	CELIA	<a href="mailto:bellei@celia-bordeaux1.fr">bellei@celia-bordeaux1.fr</a>
11:20-11:40	Insights into Proton Radiographic Images of Hohlräume*	Scott	Wilks	LLNL	<a href="mailto:wilks1@llnl.gov">wilks1@llnl.gov</a>
11:40-12:00	Electron Temperature Measurement of NIF Hohlraum Plasmas Using Dot Spectroscopy	Maria	Barrios	LLNL	<a href="mailto:barriosgarci1@llnl.gov">barriosgarci1@llnl.gov</a>
12:00-12:20	Measurements of the Conduction-Zone Length and Mass Ablation Rate in Cryogenic Direct-Drive Implosions on OMEGA to Restrict Thermal-Transport Models	David Tomlin	Michel	LLE	<a href="mailto:tmic@lle.rochester.edu">tmic@lle.rochester.edu</a>

Friday, June 19th

**Chair: Peter Norreys**

8:00-8:30	Development of Predictive Models of Absorption of High Power Laser Light by Optically-Thick Materials	Matthew	Levy	U. Oxford	<a href="mailto:matthew.levy@physics.ox.ac.uk">matthew.levy@physics.ox.ac.uk</a>
8:30-8:50	High-Z coatings for Hybrid Laser Indirect-Direct Drive	Max	Karasik	NRL	<a href="mailto:karasik@nrl.navy.mil">karasik@nrl.navy.mil</a>
8:50-9:10	LEH Transmission and Early Fuel Heating for MagLIF with Z-Beamlet	Matthias	Geissel	Sandia National Laboratories	<a href="mailto:mgeisse@sandia.gov">mgeisse@sandia.gov</a>
9:10-9:30	An Ideal Hohlraum Platform Using Double-Shell Ignition Targets	Peter	Amendt	LLNL	<a href="mailto:amendt1@llnl.gov">amendt1@llnl.gov</a>
9:30-9:50	The relationship between gas fill density and hohlraum drive performance at the National Ignition Facility	Gareth	Hall	LLNL	<a href="mailto:hall98@llnl.gov">hall98@llnl.gov</a>
9:50-10:10	Break				

**Chair: Frank Tsung**

10:10-10:40	Results from trailing-bunch acceleration in recent Plasma Wakefield Acceleration experiments at the FACET Facility at SLAC National Accelerator Laboratory	Chris	Clayton	UCLA	<a href="mailto:cclayton@ucla.edu">cclayton@ucla.edu</a>
10:40-11:00	pF3D Simulations of Stimulated Brillouin Scattering in Rugby Hohlraums on NIF	Steven	Langer	LLNL	<a href="mailto:langer1@llnl.gov">langer1@llnl.gov</a>
11:00-11:20	Stimulated Raman Backscatter Trends from Gas Filled Hohlraum Experiments on the NIF	Joe	Ralph	LLNL	<a href="mailto:ralph5@llnl.gov">ralph5@llnl.gov</a>
11:20-11:40	Modifying the Kinetic Behavior of Stimulated Raman Scattering with External Magnetic Fields	Benjamin	Winjum	UCLA	<a href="mailto:bwinjum@ucla.edu">bwinjum@ucla.edu</a>

See you next year!

Monday, June 15th

1	Reduced convergence implosions using liquid layer wetted foam capsules on the National Ignition Facility	Austin	Yi	LANL	<a href="mailto:austinyi@lanl.gov">austinyi@lanl.gov</a>
2	Hot Spot Dynamics in Shock Ignition	Claudio	Bellei	CELIA	<a href="mailto:bellei@celia-bordeaux.fr">bellei@celia-bordeaux.fr</a>
3	Wave Bowing and Modulational Instability of Ion Acoustic Waves in 2D Vlasov simulations	Richard	Berger	LLNL	<a href="mailto:berger5@llnl.gov">berger5@llnl.gov</a>
4	Kinetic Effects in Inertial Confinement Fusion	Grigory	Kagan	LANL	<a href="mailto:kagan@lanl.gov">kagan@lanl.gov</a>
5	2D Simulations of 3D-Printed Ignition Double-Shell Targets	Jose	Milovich	Lawrence Livermore National Laboratory	<a href="mailto:milovich1@llnl.gov">milovich1@llnl.gov</a>
6	Laser-generated magnetic field characterization on the nanosecond timescale	Clament	Goyon	LLNL	<a href="mailto:goyon1@llnl.gov">goyon1@llnl.gov</a>
7	CBET Experiments at the Nike laser*	James	Weaver	NRL	<a href="mailto:james.weaver@nrl.navy.mil">james.weaver@nrl.navy.mil</a>
8	Effects of magnetization on fusion product trapping and secondary neutron spectra	Paul	Schmit	Sandia National Laboratories	<a href="mailto:pfschmi@sandia.gov">pfschmi@sandia.gov</a>
9	Multi-dimensional dynamics of stimulated Brillouin scattering and seeded two-ion-wave decay in laser speckle geometry	Brian	Albright	LANL	<a href="mailto:balbright@lanl.gov">balbright@lanl.gov</a>
10	Laser Plasma Interactions with Temporal Bandwidths	Frank	Tsung	UCLA	<a href="mailto:tsung@physics.ucla.edu">tsung@physics.ucla.edu</a>

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1	Ion-kinetic simulations of D3He gas-filled ICF target implosions with moderate to large Knudsen number	Olivier	Larroche	CEA	<a href="mailto:olivierlarroche@cea.fr">olivierlarroche@cea.fr</a>
2	Multi-scale Fokker-Planck modeling of $\alpha$ -particle transport in igniting ICF capsules	Olivier	Larroche	CEA	<a href="mailto:olivierlarroche@cea.fr">olivierlarroche@cea.fr</a>
3	High-foot NIF beryllium targets with 6.72-mm cylindrical hohlraums with low gas fills	Andrei	Simakov	LANL	<a href="mailto:simakov@lanl.gov">simakov@lanl.gov</a>
4	Mounting stalk effects on the burn in separated- reactant capsules*	Mark	Schmitt	LANL	<a href="mailto:mjs@lanl.gov">mjs@lanl.gov</a>
5	Application of Imposed Magnetic Fields to Ignition and Thermonuclear Burn on the National Ignition Facility	David	Strozzi	LLNL	<a href="mailto:strozzi2@llnl.gov">strozzi2@llnl.gov</a>
6	Ion acoustic wave decay to two daughter waves using a 2D+2V Vlasov code†	Thomas	Chapman	LLNL	<a href="mailto:chapman29@llnl.gov">chapman29@llnl.gov</a>
7	Vlasov Simulation of the Effects of Pitch Angle Collisions in Electron Plasma Waves	Jeffrey	Banks	RPI	<a href="mailto:banksj3@rpi.edu">banksj3@rpi.edu</a>
8	Three-Dimensional Full-Beam Simulation of Ultrashort Laser Pulse Amplification by Brillouin Backscattering	Kathleen	Weichman	University of Texas	<a href="mailto:berger5@llnl.gov">berger5@llnl.gov</a>
9	Proton acceleration in the interaction of high power laser and cryogenic hydrogen targets	Rohini	Mishra	SLAC	<a href="mailto:rohinimishra2003@gmail.com">rohinimishra2003@gmail.com</a>
10		Adam	Tableman	UCLA	<a href="mailto:tableman@physics.ucla.edu">tableman@physics.ucla.edu</a>

Wednesday, June 17th

1	SECHEL: a CBET post-processor for hydro codes Recent results and related studies	Michel	Casanova	CEA	<a href="mailto:michel.casanova@cea.fr">michel.casanova@cea.fr</a>
2	Saturation of Cross-Beam Energy Transfer for Multi-Speckled Laser Beams	Lin	Yin	LANL	<a href="mailto:lyin@lanl.gov">lyin@lanl.gov</a>
3	iFP: An Optimal, Fully Implicit, Fully Conservative, 1D2V Vlasov-Rosenbluth-Fokker-Planck Code for ICF Simulation	William	Taitano	LANL	<a href="mailto:taitano@lanl.gov">taitano@lanl.gov</a>
4	SYMMETRY OF BERYLLIUM CAPSULE IMPLOSION AT THE NATIONAL IGNITION FACILITY	George	kyrala	LANL	<a href="mailto:gak@lanl.gov">gak@lanl.gov</a>
5	Controlling Laser-Driven Hohlräume- Clues from Experiments with Earlier Lasers	William	Kruer	LLNL	<a href="mailto:williamkruer@gmail.com">williamkruer@gmail.com</a>
6	HOT SPOT DYNAMICS AND IGNITION BOUNDARIES FOR HIGH-DENSITY CARBON (HDC) CAPSULES	Darwin	Ho	LLNL	<a href="mailto:ho1@llnl.gov">ho1@llnl.gov</a>
7	Semi-analytic Knudsen-layer reactivity reduction model for spheroidal cavities	Paul	Schmit	Sandia National Laboratories	<a href="mailto:pfschmi@sandia.gov">pfschmi@sandia.gov</a>
8	Recent progress on understanding LWFA in the nonlinear self-guided blowout regime	Asher	Davidson	UCLA	<a href="mailto:physicsislife@gmail.com">physicsislife@gmail.com</a>
9	Laser Absorption at Over-Critical Surfaces	Josh	May	UCLA	<a href="mailto:joshmay@ucla.edu">joshmay@ucla.edu</a>
10	Recent results on laser-plasma interactions in shock ignition	Chuang	Ren	University of Rochester	<a href="mailto:cren2@ur.rochester.edu">cren2@ur.rochester.edu</a>