

2026 OLUG Workshop Poster Session I**Tuesday April 28, 2026**

Number	First Name	Last Name	Institution	Poster Title Names	Student or Postdoc?
1	Damien	Batayeh	University of Nevada, Reno	A New Platform for Imaging Compressed Cryogenic Deuterium	Graduate Student
2	Tanner	Cordova	University of California San Diego	Measure of temperature and ionization in warm dense mid-Z metals using x-ray absorption spectroscopy	Graduate Student
3	Fraser	Hanby	University of South Florida	Shock-Induced Phase Transitions in Polycrystalline SiC Probed by In-Situ XRD at the European XFEL	Graduate Student
4	Roshan	Sebastian	University of Connecticut	Bridging MD and In-situ Diffraction: Laser-Material Interactions at Experimental Scales	Graduate Student
5	Ming	Gulis	Prism Computational Sciences, Inc.	A combined approach of average atom model and configuration interaction	No
6	Tirtha	Joshi	University of California, San Diego	Role of Pulse Duration in Hot Electron Generation and Shock Scaling in Si/Cu/SiO ₂ Targets	No
7	Nitish	Acharya	University of Rochester	Modeling of laser-driven shocks in foams using FLASH code	Postdoc
8	Rajkrishna	Dutta	Princeton University	Synthesis of a Novel Eight-Coordinated Phase of Mg ₂ SiO ₄ at Pressures of Deep Exoplanetary Interiors	Postdoc
9	Anand	Dwivedi	Carnegie Science	Using laser-driven shock compression to investigate ablator materials for fusion research	Postdoc
10	Jeffrey	Gay	Princeton University	Sound Velocities of Shock-Compressed Single-Crystal Quartz	Postdoc
11	Saswat	Mishra	University of South Florida	Amorphous Boron Carbide Under Extreme Pressures and Temperatures	Postdoc
12	Grigoriy	Tabak	University of Rochester	Measuring Optical Properties of low-Z Materials under Dynamic Compression	Postdoc
13	Dian	Lu	Princeton Plasma Physics Laboratory	X-ray Crystal Spectroscopic and Imaging Application in HED Physics	Postdoc
14	Hasan	Helal	University of California, Los Angeles	A Synthetic Thomson Scattering Diagnostic for PIC Simulations of Laboratory Collisionless Shocks	Undergraduate Students
15	Nicholas	Rowland	University of California, Berkeley	Electric & Magnetic Field Characterization in Proton Radiography with Convolutional Neural Networks	Undergraduate Students
16	Gregory	Baker	University of California, Los Angeles	Methods for Fitting Thomson Scattering Spectra to Non-Maxwellian VDFs	Undergraduate Students
17	Kristopher	Wright	University of California, Los Angeles	Thomson Scattering Measurements of Piston-Driven Plasmas in Laboratory Shock Experiments	Undergraduate Students
18	Nathan	Mangus	University of Rochester	BHR-2 Turbulent Mix Model Implementation in FLASH	Graduate Student
19	Ananya	Mohapatra	University of Rochester	Effect of Anisotropic Resistivity on Fluctuation Dynamos in Driven Turbulence Simulations	Graduate Student
20	Rayner	Sutardja	University of California, Los Angeles	Anomalous electron heating in laboratory magnetized quasi-perpendicular collisionless shocks	Graduate Student
21	Hannah	Poole	University of Rochester	Thermal Conduction of Turbulent Magnetized Plasmas Observed by Gated X-ray Detectors	Postdoc
22	Jack	Ploegstra	University of California, Los Angeles	MHD Simulation of Collisionless Shock Experiments	Undergraduate Students
23	John	Rodman	University of Rochester	Development of a Hybrid Simulation Code with Grid-based Continuum Kinetics	Postdoc
24	Heath	LeFevre	University of Michigan	Vortex ring formation from shock-accelerated interfaces	No

2026 OLUG Workshop Poster Session II
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Number	First Name	Last Name	Institution	Poster Title Names	Student or Postdoc?
1	Yousra	Awad	University of Rochester LLE	Robust Neural Prediction of Laser Beam Profiles for IFE-Class Laser Systems with Enhanced Performance in Low-Energy Regimes	Undergraduate Students
2	Andrew	Bo	Houghton University	Initial Test of the Ten-Inch Manipulator-Based Short Lived Isotope Counting System	Undergraduate Students
3	Vara	Dante	Houghton University	Measurement of Deuteron- and Proton-Induced Lithium Reaction Cross Sections for SLICS Detector Efficiency Calibration	Undergraduate Students
4	Robert	Dwyer	University of Rochester LLE	High Dynamic Range Measurements of Hot-Spot Dynamics at OMEGA	Graduate Student
5	Tucker	Evans	Massachusetts Institute of Technology	Studies of multi-ion and kinetic effects in mid-Z gas-filled implosions on OMEGA	Graduate Student
6	Bryan	Foo	Massachusetts Institute of Technology	Measuring Non-Maxwellian Ion Velocity Distributions in ICF-Relevant Conditions	Graduate Student
7	Cameron	Frank	University of Delaware	Effect of External Magnetization on Direct-Drive Implosions on OMEGA, Modeled Using the Newly Modified Simulation Code DEC2D	Graduate Student
8	Perry	Samimy	University of California, San Diego	Investigation of Proton Source Survivability and Heating in Integrated Proton Fast Ignition Experiments	Graduate Student
9	Andrew	Shortridge	University of Connecticut	A Hybrid Mesoscale-Continuum Framework to Predict Thermal Transport Phenomena during Laser Direct Drive Experiments	Graduate Student
10	Christopher	Wink	Massachusetts Institute of Technology	Diagnosing alpha-heating in NIF implosions through alpha-knock-on neutron (AKN) measurements using the MRS	Graduate Student
11	Elizabeth	Grace	Lawrence Livermore National Lab	Experimental assessment of planar and rippled hohlraum window designs to optimize and control radiation transport	No
12	Matthew	Cufari	Massachusetts Institute of Technology	Effects of magnetization on hydrodynamic structure and mix in directly driven implosions	Graduate Student
13	Skylar	Dannhoff	Massachusetts Institute of Technology	Suppression of hohlraum wall expansion by pre-imposed axial magnetic fields at OMEGA	Graduate Student
14	Robert	Spiers	University of Delaware	Assessment of concepts to generate closed magnetic field-lines in an ICF implosion	Graduate Student
15	Dongwook	Lee	University of Delaware	Modeling Alpha-Heating Enhancement in Magnetized Laser-Driven Inertial Fusion	Undergraduate Students
16		Shahina	Massachusetts Institute of Technology	Developing the high-energy density plasma platform for studying nuclear reactions relevant to the CNO cycle	Postdoc
17	Peter	Heuer	University of Rochester LLE	An algorithm for etching CR-39 data with uncertain fluence	No
18	Katharine	Gerbsch	General Atomics	Recent NLUF Target Varieties	No
19	Jill	Schell	University of Michigan	Michigan Target Research and Fabrication (MiTRF)	No
20	Igor	Golovkin	Prism Computational Sciences, Inc.	VISRAD, 3-D Target Design and Radiation Simulation Code	No
21	Selma	Zuhric	University of Michigan	Target Fabrication at the University of Michigan	No
22	Andrew	Lanzrath	Massachusetts Institute of Technology	Studies of the T-3He reaction at center-of-mass energies relevant to nuclear astrophysics at OMEGA	Graduate Student
23	Jaela	Whitfield	University of Michigan	Characterizing a Cu X-Ray Source For Photoionization Front Experiments on Omega-60	Graduate Student
24	Joshua	Latham	University of Michigan	Cylindrical Laser-Driven Magnetic Reconnection	Graduate Student
25	Sam	Reeve	Massachusetts Institute of Technology	Design of charged-particle diagnostics operating at moderate repetition rates for Inertial Fusion Energy applications	Postdoc

2026 OLUG Workshop Poster Session III

Wednesday April 29, 2026

Number	First Name	Last Name	Institution	Poster Title Names	Student or Postdoc?
1	Matthew	Barczys	University of Rochester LLE	NSF OPAL Facility Design	No
2	Sara	Bucht	University of Rochester LLE	Defining MTW-OPAL laser performance for a new target area	No
3	Michael	Krieger	University of Rochester LLE	NSF OPAL Target Bay and Experimental Systems	No
4	Kyle	McMullen	University of Rochester LLE	Defining MTW-OPAL laser performance for a new target area	Graduate Student
5	Nyaradzo	Mararanje	University of Rochester LLE	NSF OPAL Data Sharing	Undergraduate Students
6	Michael	Wadas	University of Michigan	Vortex Dynamics in High-Energy-Density Shock-Accelerated Interfacial Flows	Postdoc
7	Konstantin	Bauer	Massachusetts Institute of Technology	Study of the evolution of multi-ion-fluid physics in mixed-Z, multi-element HED plasmas generated by ablatively driven implosions at OMEGA	Graduate Student
8	Joshua	Lewis	University of California, Irvine	Laser proton acceleration with 400 nm, s-polarized pulses in the radiation pressure onset regime	Graduate Student
9	Ryan	Nedbailo	University of Texas, Austin	Scaling of Proton Focusing with Laser Energy	Graduate Student
10	Kian	Orr	Princeton University	Towards Mixing of High-Energy-Density Plasmas via Laser-Produced Jets	Graduate Student
11	Edoardo	Rovere	University of California, San Diego	Effects of a magnetic field on LPI-generated hot electrons	Postdoc
12	Soham	Banerjee	University of Rochester LLE	Kinetic effects in strong shock-fronts in multi-ion species plasmas on OMEGA	Graduate Student
13	Isabelle	LaBelle	University of Rochester LLE	Optimizing Positron Converter and Particle Spectrometer Shielding Design Using FLUKA	Graduate Student
14	Marin	Fontaine	University of California, San Diego	Experimental and Numerical Results from the Quasi-parallel Collisionless Shocks Campaigns	Postdoc
15	Irem Nesli	Erez	University of Colorado Boulder	Field Strength Measurements from Magnetized Cylindrical Explosions at Omega EP	Postdoc
16	Alejandro	Ortiz	University of California, Los Angeles	Proton deflectometry analysis of ion-scale magnetospheres in high-energy-density plasmas.	Undergraduate Students
17	Elene	Katsadze	University of Rochester	Anisotropic Alfvénic Turbulence in a Strong Guide Field	Graduate Student
18	Nicolas	Kalem	University of Michigan	Harnessing Ionization Effects for Direct Laser Acceleration of Electrons	Graduate Student
19	Emily	Edwards	Massachusetts Institute of Technology	Characterization of Diamond Detectors in Extreme Temperatures (-160C to 800C) for Fusion Applications	No
20	Alenna	Streeter	Sydor Technologies	Custom Diagnostics Supporting Experiment Operations and Research	No
21	Brandan	Buschmann	Massachusetts Institute of Technology	Development of a compact Gamma-RAY SPectrometer (GRASP) for inertial confinement fusion and basic science experiments at OMEGA	Graduate Student
22	Nick	Schwartz	Massachusetts Institute of Technology	Design and modeled performance of the Magnetic Recoil Spectrometer at Pacific Fusion	Postdoc
23	Shawn	McPoyle	University of Rochester LLE	Progress on the Development of the BHx: A High-Throughput, Sub-Picosecond Streak Camera at the LLE	Graduate Student
24	Mark	Prusten	Optical Design Labs	TBD	No