

2026 Z Fundamental Workshop

8/13/2026

Last Name	First Name	Institution	poster title
Bakir	John	University of Utah	Superconductivity and Charge Density Waves in the 2-D Material BaSbTe ₂ S (BSTS)
Beattie-Rossberg	Robert	UC San Diego	Study of the dynamics of noble gases (Ne, Ar, Kr and Xe) in gas puff z-pinch experiments on a 1 MA generator
Blanchard	Jayden	UT Austin	Laboratory Measurements of Carbon at White Dwarf Photospheric Conditions
Carrillo	Israel	U of Colorado Boulder	Silicate Vapor-Plasma Plume Simulations Using ALEGRA
Chari	Divya	Ohio State University	Temperature–density dependence of photoabsorption cross sections and opacity spectra: oxygen and iron ions.
Filor	Luke	Cornell University	<i>Dynamic Switching to Increase Current Rise Rate on COBRA</i>
Ghimire	Anukriti	University of Utah	Pressure-induced electronic memory in a correlated semimetal(EuCd ₂ P ₂)
Giovacchini	Michelle	UT Austin	Using Time-Resolved Oxygen Measurements to Investigate Opacity Model Predictions
Gonzalez	Victoria	U of Colorado Boulder	SiO ₂ Viscosity From 1 atm to 25 GPa
Hari	Anirudh	Stanford	Ultrahigh flow strength in shocked nanopolycrystalline diamond
Harrison	Lindsay	CU Boulder	Elastic and volumetric properties of vitreous SiO ₂ under shockless dynamic compression
Holle	Willis	University of Utah	How Pressure Reveals Hidden Structural Dynamics in CH ₃ NH ₃ PbBr ₃ (MAPB)
Kelso	Kwytero	University of Michigan	X-ray Absorption Spectroscopy of Radiatively Ionized Argon gas
Kendall	Melia	CU Boulder	Dynamic Compression of Heterogeneous Materials with Geophysical Implications
Leung	Chung-Hei (Alex)	University of Delaware	How Diamagnetic Cavities Shape Magnetized Plasma Jets
McGhee	Elizabeth	University of Rochester	Synthetic Self Emission X-ray Imaging of Gas Puff Z-pinches in FLASH
Peterson	Annabelle	UNR	Updates to the radiation heated and photoionized plasma gas cell at Z
Poggemann	Connor	University of Utah	Searching for an Electride Phase in Lithium
Preising	Martin	Rostock	Ab Initio Conductivities of Hydrogen across the Insulator-to-Metal Transition
Tian	Yigeng	University of Delaware	FLASH Simulations of Diamagnetic-Cavity Evolution and Magnetic-Pressure-Driven Jet Deflection
Tunacao	James	University of South Florida	Structural transformations in glassy carbon under shock compression
Willertz	Evan	Cornell University	Bridging Experiment and Simulation in Gas-Puff Z-Pinches With Synthetic Diagnostics