

Student Oral Sessions

Time	First Name	Last Name	Abstract title
Monday, 16:45	Jack	Hare	Production of high-beta magnetised plasmas by colliding supersonic flows from inverse wire arrays
Monday, 17:00	Nora	Swisher	Analysis of Rayleigh-Taylor mixing in supernova experiments
Monday, 17:15	Benjamin	Hammel	Dynamic Loading of Bulk Materials via Electron-beam Generated Shock Waves on Pulsed-Power Machines
Monday, 17:30	Guilhem	REVET	Laboratory modeling of magnetized accretion dynamics
Tuesday, 16:45	J. Tiberius	Moran-Lopez	On the Effects of Shock-Driven Instability-Induced Turbulence for Moderate-to-Large Shock Mach Numbers
Tuesday, 17:00	Jessica	Shaw	Betatron Radiation from Laser Wakefield Accelerators
Tuesday, 17:15	Jonathan	Peebles	Study of Pre-Plasma Impact on Fast Electron Generation with the High Intensity Titan Laser
Tuesday, 17:30	Jungmoo	Hah	A high repetition rate laser-heavy water based neutron source

Student Poster Session 1, Thursday, 13:30-14:30

Poster #	First Name	Last Name	Abstract title
1	Chandra	Curry	Characterization of Non-equilibrium Warm Dense Gold using Optical and THz Probing Techniques
2	Will	Schumaker	Pump-probe studies of warm dense silicon and oxygen using betatron X-rays at LCLS
3	Thomas	Steinberger	WVU contributions to the ZAPP collaboration on Sandia's Z facility
4	Cuylar	Beatty	Current measurements of pulse power through in-fiber Faraday rotation
5	Jacob	Banasek	Measuring 10-20 T B-fields in Single Wire Explosions Using Zeeman Splitting
6	Erik	McKee	Deuterium Gas Puffs on Zebra
7	Matthew	Flaugh	Distinguishing the proximity local-hardware thermal re-emission from the direct Z-pinch emission in photo-ionized plasma experiments
8	Trevor	Hutchinson	Early Plasma Formation on Liner Surfaces
9	Joseph	Engelbrecht	Hydrodynamics of gas-puff z-pinches
10	Josh	Davis	Measurements of Laser Generated X-ray Spectra from Irradiated Gold Foils
11	Amina	Hussein	Enhancement of relativistic electron heating in picosecond laser-driven accelerators for the generation of high-energy photon beams
12	Joshua	Ludwig	PIC simulations of laser wake-field plasma accelerator and Raman amplifier
13	Paul	Campbell	Laser driven shock acceleration of monoenergetic ion beams from near-critical-density plasma
14	Cecilia	Chen	Validating Laser-Induced Birefringence Theory with Detailed Plasma Diagnosis
15	Laila	Manzoor	Characterization of preplasma density using interferometry
16	Peter	Kordell	Proton probing using a table-top-terawatt laser

Student Poster Session 2, Thursday, 14:45-15:45

Poster #	First Name	Last Name	Abstract title
1	Dominic	Hill	Kinetic modelling of the impact of non-uniform laser irradiation in direct-drive ICF
2	Jonathan	Tran	Plasma species separation simulation using multi-fluid models
3	Kristopher	McGlinchey	The effect of hydrodynamic instabilities on the performance of an indirect drive capsule implosion.
4	John	Ruby	Hot Spot Velocity Measurements via X-Ray Self Emission on NIF
5	Chris	Walsh	3-D MHD Modelling of OMEGA Magnetic Flux Compression Experiments
6	zheng	xu	Characterisation of magnetic reconnection in colliding plasma bubbles
7	Thamine	Dalichaouch	Cylindrical Mode Decomposition of Quasi-3D and Full 3D Laser Wakefield PIC Simulations
8	Aaron	McEvoy	Gamma Ray Spectroscopy for ICF and Basic Science Research
9	Abraham	Handler	Modeling Neutron Generation with Geant4
10	Hersimerjit	Padda	Proton beam spatial-intensity profiles in ultra-thin foils
11	Xiao	Zhou	Optimization of Quasi-monoenergetic Ion Acceleration by Coulomb Explosion
12	Jordan	Kotick	Pump-Probe Studies with Betatron and LCLS X-rays
13	Christopher	Pieronek	Spectral Diagnostics for Advanced Laser-Plasma Acceleration Targets
14	Richard	Abrantes	Collisional-Radiative Modeling of Laser-Induced Breakdown for Argon Gas
15	Xinlu	Xu	Generation of high brightness electron beam through ionization injection in laser or electron beam driven wakes
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