

Magnetized HED & Z-pinch Breakout session

Name	Institution	Time (MST)	Duration	Title
Wednesday, August 12				
		3:30-5:30 PM		
Connor Williams (chair)	SNL	3:30 PM	10	Opening remarks
Vicente Valenzuela-Villaseca	LLNL	3:40 PM	15	Modeling of accretion disc and coronae interactions using strongly-cooled rotating plasmas on Z
Hui Li	LANL	3:55 PM	15	Magnetized Turbulence in Gas-Puff Z-Pinch and Implications for Astrophysics
Sergey Lebedev	Imperial College	4:10 PM	15	Experimental platform for studies of accretion disc physics in the laboratory
Discussion/Break		4:25 PM	15	
Simon Bland	Imperial College	4:40 PM	30	Pulsed Power experiments at Advanced Light Sources
Donovan Harcey	U Maryland	5:10 PM	15	Effect of alpha-slowing down and collisional equilibration for magnetized liner inertial confinement fusion
Connor Williams (chair)	SNL	5:25 PM	5	Closing remarks
		5:30 PM	2:00	
Thursday, August 13				
		1:30-3:50 PM		
Hannah Hasson (chair)	SNL	1:30 PM	5	Opening remarks
Tim Van Hooissen	UCLA	1:35 PM	15	Streaked Visible Spectroscopy Analysis for Collisionless Shocks on Z
Alex Timoney	UCLA	1:50 PM	15	Shadowgraphy Analysis for Magnetized Collisionless Shocks on Z
Connor Williams	SNL	2:05 PM	30	Developing hybrid x-pinchs as surrogates for pulsar magnetospheres
Discussion/Break		2:35 PM	15	
Shane Keiser	U Michigan	2:50 PM	15	Hotspot Analysis of a Hybrid X-pinch using PERSEUS
Arijit Bose	U Delaware	3:05 PM	15	Subgrid Turbulence Models for Magnetized Inertial Confinement Fusion
Evan Willertz	Cornell	3:20 PM	15	Bridging Experiment and Simulation in Gas-Puff Z-Pinchs Using Synthetic Diagnostics
Discussion		3:35 PM	10	
Hannah Hasson (chair)	SNL	3:45 PM	5	Closing remarks
		3:50 PM	2:20	
Friday, August 14				
		10:00-11:55		
Hannah Hasson (co-chair)	SNL	10:00 AM	5	Opening remarks
Corey Gui	U Michigan	10:05 AM	15	Variational theory of a Multilayered Magneto-Rayleigh Taylor Instability
Luke Filor	Cornell	10:20 AM	15	Current Splitting and Fiber Preheat Experiments on COBRA
Discussion/Break		10:35 AM	15	
Alejandro Mesa Dame	Princeton/PPPL	10:50 AM	30	Comprehensive analytical model of the dynamic Z pinch
Jack Hare	Cornell	11:20 AM	15	Delayed current sheet formation due to an external field in pulsed-power-driven reconnection experiments
Benjamin Wang	Princeton/PPPL	11:35 AM	15	Fast ignition in MagLIF
Connor Williams (co-chair)	SNL	11:50 AM	5	Closing remarks
		11:55 AM	1:55	