

ZFSW 2024 Breakout Session: Theory and Computation/Data Science and Machine Learning

Wednesday (Aug. 7th)

- Will Lewis (3:45 – 4:15): *Mining magnetized liner inertial fusion data: trends in stagnation morphology*
- Luke Stanek (4:15 – 4:45): *Efficient Approach for Generating Transport Coefficient Datasets for Uncertainty Quantification of Magnetohydrodynamic Simulations*

Thursday (Aug. 8th)

- Rebekah White (1:15 – 1:45): *Using Data-Consistent Inversion to Leverage Information Across Related Experiments*
- Kelsey Adler (1:45 – 2:15): *SALSAA: A statistical approach to Stark broadening for complex ions*
- Gina Vasey (2:15-2:45): *Data-Driven Recovery of Hammett-Perkins Closure from Particle Data*

Break (2:45 – 3:00)

- Lucas Babati (3:00-3:30): *Calculating transport coefficients in warm dense matter with the Strongly Coupled Transport (SCOUT) code*
- Svetoslav Nikolav (3:30-4:00): *Equation of State Development for Quartz and Copper*

Friday (Aug. 9th)

- Alan Stagg (9:30-10:00): *Recent Capability Development in FLEXO*
- Jeff Woolstrum (10:00-10:30): *Extended MHD Effects on Current Delivery Explored Using FLEXO*
- Michael Crockatt (10:30-11:00): *Progress on Extended MHD Modeling in ALEGRA*
- Bryan Reuter (11:00-11:30): *Development of relativistic fluid models for pulsed power modeling in Empire-Hybrid*

Time (MST)	Wed. (Aug. 7th)	Thurs. (Aug. 8th)	Fri. (Aug. 9th)
9:30 AM			Alan Stagg
9:45 AM			
10:00 AM	Break	Break	Jeff Woolstrum
10:15 AM			
10:30 AM			Michael Crockatt
10:45 AM			
11:00 AM			Bryan Reuter
11:15 AM			
11:30 AM			
11:45 AM			
12:00 PM	Lunch	Lunch	Lunch
12:15 PM			
12:30 PM			
12:45 PM			
1:00 PM			
1:15 PM		Rebekah White	
1:30 PM			End
1:45 PM		Kelsey Adler	
2:00 PM			
2:15 PM		Gina Vasey	
2:30 PM			
2:45 PM		Break	
3:00 PM		Lucas Babati	
3:15 PM			
3:30 PM	Break	Svetoslav Nikolav	
3:45 PM	Will Lewis		
4:00 PM		Poster Session	
4:15 PM	Luke Stanek		
4:30 PM			
4:45 PM	Open slot		
5:00 PM			
5:15 PM			
5:30 PM	End		
5:45 PM			
6:00 PM			
6:15 PM			
6:30 PM		End	