

Planetary/Materials Breakout Session, ZFSP, 2022			
Wednesday, Aug 3 → 3.30 to 5:00 pm			
Time	Speaker	Institution	Title
3:30 to 4:15 pm	Andrew Porwitzky	SNL	Overview of Z and Tiny Stripline
4:15 to 4:45 pm	Justin Brown	SNL	Overview on Ramp and Shock-Ramp Techniques at Z and Thor
Thursday, Aug 4 → 1:15 to 4:30pm			
Time	Speaker	Institution	Title
1:15 to 1:35 pm	Nathan Brown	SNL	Z-Line VISAR System
1:35 to 1:55 pm	Dan Dolan	SNL	Pyrometry at Z and STAR
1:55 to 2:15 pm	Tommy Ao	SNL	Diffraction at Z and Thor
2:15 to 2:30 pm	BREAK		
2:30 to 3:00 pm	Chris Johnson	SNL	Facilities Overview (DICE+STAR)
3:00 to 3:30 pm	Erin Nissen	SNL	Real-time latent heat emission during dynamic compression freezing of water
3:30 to 4:30 pm	DISCUSSION		
Friday, Aug 5 → 8:30 to 11:30 am			
Time	Speaker	Institution	Title
8:30 to 9:00 am	Melia Kendall	CU	Water in silicates: A combined shock and spectroscopy study
9:00 to 9:30 am	William Schill	LLNL	Phase transition kinetics in tin
9:30 to 10:00 am	Kyle Cochrane	SNL	Validating the Platinum Equation of State
10: 00 to 10:30 am	Lindsay Harrison	CU	Using shockless ramp compression to investigate melting in the Earth's mantle
10:30 to 11:00 am	Jonathan Willman	USF	Quantum-accurate molecular dynamics shock simulations
11:00 to 11:30 am	Martin Preising & Ronald Redmer	U Rostock	H metallization, H-He demixing, and material properties of matter in Saturn's interior from ab initio simulations