

Chairs: Pat Kalita and Tom Hartsfield (SNL)		
Day 1	Wednesday 08-06-25 --	Breakout: Planetary Physics & Materials Physics (Majorca)
duration	30 min (presentations 25 min + 5 min for questions)	
3:30 PM	3:35 PM	Pat Kalita & Tom Hartsfield, SNL
		"Welcome & Intro to Breakout Sessions"
3:35 PM	4:05 PM	Damian Swift, LLNL
		"Mach waves at high pressure"
4:05 PM	4:35 PM	Martin Preising, U. Rostock
		"Ab Initio Conductivities of Hydrogen across the Insulator-to-Metal Transition"
4:35 PM	5:05 PM	Shanti Deemyad, U. Utah
		"High energy density lithium"
Day 2	Thursday 08-07-25	Breakout: Planetary Physics & Materials Physics (Majorca)
1:30 PM	2:00 PM	Matt Lane, SNL
		"Apparent violations of the Rankine Hugoniot jump conditions in porous materials"
2:00 PM	2:30 PM	Sarah Stewart, ASU
		"Resolving the difference between DFT and experiments"
2:30 PM	3:00 PM	Kyle Cochrane, SNL
		"A new equation of state for Rhenium"
2:30 PM	2:45 PM	<i>Break</i>
		Breakout: The New High Pressure Compendium (Majorca)
2:45 PM	3:00 PM	Pat Kalita, SNL
		"Introduction to a new materials database: The High Pressure Compendium"
3:00 PM	3:30 PM	Sarah Stewart, ASU
		"The high pressure compendium initiative"
3:30 PM	4:00 PM	Sarah Stewart, ASU, Damian Swift, LLNL, Pat Kalita, SNL
		"The High Pressure Compendium: Discussion"
4:30 PM	6:30 PM	*****Poster Session*****
Day 3	Friday 08-08-25	Breakout: Planetary Physics & Materials Physics (Majorca)
9:00 AM	9:30 AM	Meghan Lentz, SNL
		"Characterizing Shape Effects on the Liquid-Vapor Interface of Platinum"
9:30 AM	10:00 AM	Armin Bergermann, SLAC
		"Hydrogen and Neon Mixtures".
10:00 AM	10:30 AM	James Tuñacao, USF
		"Phase transformations in glassy carbon under dynamic compression."
10:30 AM	11:00 AM	Jean-Paul Davis, SNL
		"A brief introduction to dynamic materials experiments at Z for ZFSP collaborators"