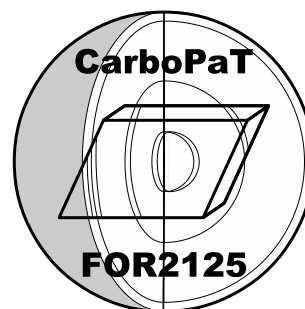


Program of the 4th meeting of the FOR2125

"Structures, properties and reactions of carbonates at high temperatures and pressures"



Thursday, 17th November

time	project	speaker	title
12:30 – 14:00	lunch		
14:00 – 14:30	0	B. Winkler	Introduction
14:30 – 15:00	5	T. Schlothauer	Shock wave treatment of synthetic ¹³ C-enriched BaCO ₃ in the pressure range from 110 to 175 GPa – first results
15:00 – 15:45	coffee break		
15:45 – 16:15	4	N. Biedermann	Laser-heating experiments on carbonate-silicate assemblages at high pressure
16:15 – 16:45	1	C.-J. Fruhner	Phase stabilities of carbonates at high pressures and temperatures studied in the LH-DAC by CARS and TRLFS
16:45 – 17:00	1	L. Bayarjargal	Raman spectroscopy at high pressure and temperature
17:00 – 17:30	–	C. Sternemann	Spin transition in siderite and magnesiosiderite
17:30 – 18:30	discussion and planning of the follow-up application		
19:00	dinner		

Friday, 18th November

time	project	speaker	title
07:30 – 09:00	breakfast		
09:00 – 09:30	2	J. Müller	Siderite at high pressure and temperature
09:30 – 10:00	6/7	C. McCammon	Elastic properties of iron-bearing carbonates
10:00 – 10:30	1	M. Stękiel	High pressure elasticity of carbonates
10:30 – 11:00	coffee break		
11:00 – 11:30	6/7	S. Chariton	Crystal chemistry of other transition metal carbonates (MnCO ₃ , ZnCO ₃ and NiCO ₃)
11:30 – 12:00	0	B. Winkler	Final remarks
12:15	lunch		