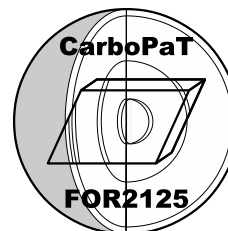


## Program of the 4<sup>th</sup> meeting of the FOR2125/2

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



Thursday, 10<sup>th</sup> October, Limes Hotel Wehrheim

time	project	speaker	title
12:00 – 13:30	lunch at Café Klatsch		
13:45 – 14:00	0	B. Winkler	Introduction
14:00 – 14:20	1	J. Binck	High pressure, high temperature Raman spectroscopy of MgCO <sub>3</sub>
14:20 – 14:40	2	N. Martirosyan	Pressure induced phase transitions in Ca-carbonate and effect of cationic substitution on phase behaviour
14:45 – 15:00	2	S. Jahn	Incorporation of divalent cations into CaCO <sub>3</sub> (BSc.)
15:00 – 15:45	coffee break and group picture		
15:45 – 16:05	3	C. Albers	Formation of tetracarbonates - first information on the electronic structure
16:05 – 16:25	8	M. Sieber	P8 Status Update
16:25 – 16:45	9	L. Pennacchioni	Elastic properties of natural and synthetic calcium carbonate, a Brillouin spectroscopic study
From 16:45	general discussion		
From 18:00	dinner at Café Klatsch		

Friday, 11<sup>th</sup> October, Limes Hotel Wehrheim

time	project	speaker	title
07:00 – 08:45	breakfast		
09:00 – 09:20	6	S. Dominijanni	Understanding the redox conditions in diamond anvil cells
09:20 – 09:30	6	C. McCammon	Update on sub-micron resolution for the synchrotron Mössbauer source
09:30 – 09:50	7	I. Koemets	Project 7 status update
10:00 – 10:30	coffee break		
10:30 – 10:50	4	L. Libon	Reaction and elemental partitioning between MgCO <sub>3</sub> and (MgFe)SiO <sub>3</sub> -glass at upper lower mantle conditions
10:50 – 11:00	TU FG	T. Schlothauer	News from Freiberg
11:00 – 11:30	0	B. Winkler	Final remarks
11:30	lunch at Café Klatsch		