

Program of the 3rd meeting of the FOR2125/2

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



Thursday, 21st March, Kloster Steinfeld

time	project	speaker	title
12:00 – 13:30	lunch		
13:45 – 14:00	0	B. Winkler	Introduction
14:00 – 14:20	1	J. Binck	High pressure, high temperature phase stabilities of iron-poor dolomite and the structures of dolomite-IIIc and dolomite-V
14:20 – 14:40	2	N. Martirosyan	Phase diagram of CaCO ₃ at high pressure and the effect of cationic substitution on the phase behaviour
14:40 – 15:00	6	S. Dominijanni	Understanding the oxygen fugacity variation in laser heated DAC experiments
15:00 – 15:45	coffee break and group picture at "Refrektorium"		
15:45 – 16:05	4(Ph1)	N. Biedermann	TEM on recovered sample material of carbonate-silicate reactions at mantle conditions
16:05 – 16:40	4	J. Kaa	Master Thesis: Stability of Calciumcarbonates in presence of Bridgmanite at lower mantle conditions
17:00 – 18:00	Guided tour around the cloister		
18:00 – 19:30	dinner		
From 19:00	Closed area for us at "Talentschuppen"		

Friday, 22nd March, Kloster Steinfeld

time	project	speaker	title
07:00 – 08:45	breakfast		
09:00 – 09:20	4	L. Libon	Reaction and elemental redistribution processes between magnesite and mantle phases at upper lower mantle conditions
09:20 – 09:40	3	C. Albers	Project 3 status update
09:40 – 10:00	8	M. Sieber	Supra-solidus phase relation of carbonates at 6 GPa and partition coefficients for trace elements into carbonate melt
10:00 – 10:30	coffee break		
10:30 – 10:50	7	L. Dubrovinsky	New chemistry in Fe-C-O system at high oxygen fugacity
10:50 – 11:00	9	L. Pennacchioni	Brillouin spectroscopy and elasticity of carbonates
11:00 – 11:45	0	B. Winkler	Final remarks
12:00	lunch		