

PhD theses

- [1] Nicole Biedermann. *Carbonate-silicate reactions at conditions of the Earth's mantle and the role of carbonates as possible trace element carriers*. PhD thesis, University of Potsdam, Group Mineralogy, 2020.
- [2] Valerio Cerantola. *The effect of pressure, temperature and oxygen fugacity on the stability of subducted carbonates and implications for the deep carbon cycle*. PhD thesis, University of Bayreuth, Bayreuther Graduiertenschule für Mathematik und Naturwissenschaften (BayNAT), 2017.
- [3] Stella Chariton. *The elastic properties and the crystal chemistry of carbonates in the deep Earth*. PhD thesis, University of Bayreuth, Bayreuther Graduiertenschule für Mathematik und Naturwissenschaften (BayNAT), 2019.
- [4] Serena Dominijanni. *Physicochemical properties of Fe-bearing minerals and metal alloys at deep Earth conditions*. PhD thesis, University of Bayreuth, Bayreuther Graduiertenschule für Mathematik und Naturwissenschaften (BayNAT), 2022.
- [5] Chris-Julian Fruhner. *Investigations on phase stability of carbonates using fluorescence- and Raman spectroscopy*. PhD thesis, Goethe University Frankfurt am Main, Group Crystallography/ Mineralogy, 2019.
- [6] Jannes Jeremias Koenig. *Phasenstabilität und Strukturen von Karbonaten bei den Druck-Temperatur-Bedingungen des Erdmantels*. PhD thesis, Goethe University Frankfurt am Main, Group Crystallography/ Mineralogy, 2021.
- [7] Jan Müller. *P-T-X phase diagrams of carbonates: Focus on the FeCO_3 - MgCO_3 and CaCO_3 - MgCO_3 solid solution series*. PhD thesis, TU Berlin, School Planning Construction, Environment, 2018.
- [8] Michal Stękiel. *Understanding phase transitions in carbonates by investigation of their lattice dynamics*. PhD thesis, Goethe University Frankfurt am Main, Group Crystallography/ Mineralogy, 2019.
- [9] Christopher Weis. *Untersuchung von strukturellen und elektronischen Phasenübergängen geologisch relevanter Probensysteme bei extremen Drücken mittels XRS und XES*. PhD thesis, TU Dortmund, Group Physic/ DELTA, 2018.