Westfälische
Wilhelms-Universität
Münster

GEOPHYSIK
WWU MÜNSTER

Institut für Geophysik

Geophysikalisches Kolloquium
Sommersemester 2017

Montag, 15. Mai 2017

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Institut für Geophysik, ETH Zürich

Convection regimes imposed by melting and crust production

Are Mars, Venus and Io really in the stagnant lid regime at present day? How much do melting and crust production modify the convection regime of terrestrial planets? I will present numerical simulations of core-mantle evolution in which the production of basalt-eclogite has a strong influence on the long term dynamics of the mantle. We find that the type of magmatism considered (eruptive or intrusive) has a first order effect on the thermal evolution of the mantle.

Das Kolloquium findet um **16 Uhr c. t.** im Seminarraum GEO 315, Corrensstr. 24, 48149 Münster statt.
Alle an dem Thema Interessierten sind hierzu herzlich eingeladen.

Die Dozenten des Instituts für Geophysik