

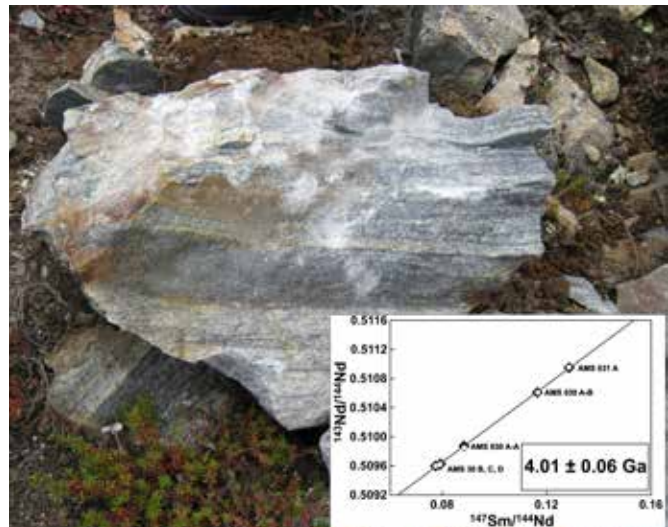
Geowissenschaftliches Kolloquium

A tale told by ancient terrestrial rocks - and what the Moon has to do with it

Donnerstag, 20. Oktober 2016 - 16.15 Uhr

Peter Sprung
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The evolving infant Earth and its differentiation into mantle, oceanic crust, and continents can be investigated via direct dating of ancient rocks and minerals as well as by aid of radiogenic isotope tracers. I will present Sm-Nd, Lu-Hf, and trace element evidence from one of the oldest terrestrial chemically intact rock associations, the Acasta Gneiss Complex in northern Canada. The findings will be discussed in the context of the bulk terrestrial parameters as constrained by lunar Apollo samples.



Dr. Peter Sprung works currently as a PostDoc in the Cologne/Bonn Cosmo- and Geochemistry Group at the University of Cologne. His diploma and doctorate at WWU Münster and following PostDoc projects at ETH Zürich, WWU Münster, and UOC concerned various aspects of cosmo- and geochemistry with a focus on defining bulk parameters for the use of radiogenic isotope systems.

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