

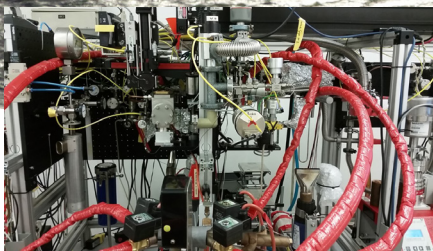
Geowissenschaftliches Kolloquium

Understanding triple oxygen isotope variations in terrestrial rocks

Donnerstag, 01. November 2018 - 16.15 Uhr

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Oxygen (O) is one of the most abundant elements in the lithosphere, atmosphere, hydrosphere and biosphere. Variations in O isotope abundances between natural materials have been studied for decades, but the significance of minor variations in the abundance of ^{17}O was realised only recently. I will illustrate the relevance of these variations in ^{17}O to geosciences by presenting brief case studies ranging in topics from the formation of impactites and micrometeorites to the origins of deserpentinised peridotites and apatite-magnetite ore deposits.



Dr. Peters' research interests are the fundamental relationships between isotopes and the physicochemical processes that fractionate their relative abundances. After obtaining BSc and MSc degrees in geosciences at VU University Amsterdam and a PhD in a mineralogy at the university of Cologne, he is currently based at the University of Göttingen as a postdoctoral research associate.

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