



EINLADUNG

zum

VERA - SEMINAR

von

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**AMS of $^{10}\text{Be}/^9\text{Be}$ and $^{26}\text{Al}/^{27}\text{Al}$
at low energies**

The compact AMS system Tandy (600kV) at ETH Zurich is a versatile facility for the measurement of long-lived radionuclides like ^{10}Be , ^{26}Al , ^{41}Ca , ^{129}I and actinides. Using Helium as stripper gas improves the yield of actinides in charge state 3+ but also has impact on the determination of ^{10}Be and ^{26}Al at low terminal voltages. Carrier-free $^{10}\text{Be}/^9\text{Be}$ analysis requires a special treatment of the sample material during the chemical preparation and a sensitive measurement of the ^9Be current. Exemplary applications of this method performed at the Tandy facility include the dating of a Neogene fossil site and the study of the Brunhes-Matuyama geomagnetic field reversal.

Donnerstag, 28. Juni 2012, 16:30 Uhr

**1090 Wien, Währinger Str. 17, "Kavalierstrakt",
1. Stock, Victor-Franz-Hess Hörsaal**