



EINLADUNG

zum

VERA - SEMINAR

von

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AMS down under

Radionuclides measured by Accelerator Mass Spectrometry (AMS) at the Heavy Ion Accelerator Facility (HIAF) of the Australian National University include ^{10}Be , ^{26}Al , ^{36}Cl , ^{53}Mn , ^{60}Fe , ^{93}Zr , ^{129}I , ^{236}U and Pu isotopes. The vertical 14UD pelletron accelerator, being one of the largest tandem accelerators still in operation, achieves a terminal voltage of up to 14.8 MV and thus provides ample energy for subsequent isobar separation. In order to fully exploit the isotopic and isobaric separation capabilities, three new ionization chambers have recently been designed including one for the gas-filled-magnet setup with an ENGE-split-pole spectrograph.

In this talk I want to give an overview over the current AMS program and highlight the work conducted during my eight months in Canberra. Venomous snakes and an attempt to explain the common Austria/Australia confusion are also part of this talk.

Donnerstag, 06.04.2017, 16:30 Uhr

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