



EINLADUNG

zum

VERA - SEMINAR

von

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and

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**AMS for Astrophysics and Environmental Physics
at the Maier-Leibnitz-Laboratory**

Since around 1980, experiments with Accelerator Mass Spectrometry (AMS) are being performed at the tandem accelerator of the Maier-Leibnitz-Laboratory in Garching, Munich. Presently, with the Gas-filled Analyzing Magnet System (GAMS), a wide spectrum of AMS isotopes from light ^{36}Cl over ^{60}Fe to heavy ^{99}Tc can be measured with highest sensitivity. Complementary to the GAMS setup, a time-of-flight (ToF) setup with passive absorbers and silicon detector(s) is available. In this talk, recent projects like the development of a new detector for the ToF setup and the search for cosmogenic and supernova-produced isotopes in Antarctic snow with the GAMS setup will be presented. Furthermore, developments to implement AMS of fission fragments for environmental studies will be outlined.

Donnerstag, 19. April 2018, 16:30 Uhr

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