

INSTITUT FÜR ISOTOPENFORSCHUNG UND KERNPHYSIK
DER UNIVERSITÄT WIEN

EINLADUNG
zum
INSTITUTSSEMINAR
von

Klaus KNIE

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**Improved half-life determinations for the
AMS nuclides ^{10}Be , ^{53}Mn , ^{59}Ni and ^{60}Fe**

Although the number of applications for the long-lived nuclides ^{53}Mn , ^{59}Ni and ^{60}Fe is steadily increasing, there are no absolute reliable data for their half-lives. Either they rely on a single measurement (^{53}Mn , ^{60}Fe) or two different measurements are in contradiction (^{59}Ni). Even the half-life of ^{10}Be - a nuclide measured routinely at the majority of the AMS facilities - is under debate.

Here I will report on the first results of new attempts for improved half-life data. Because of the different requirements for each nuclide a wide variety of nuclear physics techniques has been used.

Donnerstag, 09. März 2006, 16:30 Uhr

**1090 Wien, Währingerstr. 17, "Kavalierstrakt",
1. Stock, Seminarraum von VERA**

R. Golser

W. Kutschera