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Isotopenforschung und Kernphysik

E I N L A D U N G

zum

V E R A - S E M I N A R

von

Georg Rugel

Helmholtz-Zentrum Dresden-Rossendorf, Ionenanalytik

My Interpretation of DREsden AMS – Status, Developments, Ideas

DREAMS, the DREsden AMS-facility at the Helmholtz-Zentrum Dresden-Rossendorf is performing routine accelerator mass spectrometry of ^{10}Be, ^{26}Al, ^{36}Cl, ^{41}Ca, and ^{129}I for a wide range of applications [1]. I will give an overview of the facility with its 6 MV HVEE tandetron and also its performance for the last four years. Recent technical developments such as a low-memory ion source for ^{36}Cl and ^{129}I will be shown. Some of the applications will be highlighted. I will also briefly report the status of the Super-SIMS project, which will connect a CAMECA SIMS (SIMS = Secondary Ion Mass Spectrometry) to the tandem accelerator aiming for lower detection limits for analysing geological samples within our focus of resource technology.
[1] www.dresden-ams.de

Donnerstag, 15. Oktober 2015, 16:30 Uhr

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

R. Golser W. Kutschera E.M. Wild