



EINLADUNG

zum

VERA - SEMINAR

von

Silke MERCHEL and Didier BOURLÈS

CEREGE, CNRS-IRD-Université Aix-Marseille, Aix-en-Provence, France

**The French 5 MV AMS facility ASTER:
Status after the first year**

D. Bourlès, M. Arnold, G. Aumaître, L. Benedetti, R. Braucher, F. Chauvet, and S. Merchel

A new 5 MV accelerator mass spectrometry (AMS) system, fully dedicated to applied research, has been installed at CEREGE. Since its acceptance test in March 2007, we have successfully established routine measurement conditions for the long-lived cosmogenic radionuclides ^{10}Be and ^{26}Al . We spent considerable time to investigate reasons for variability of ion currents and background, and to perform cross-calibrations. Chlorine-36, ^{41}Ca , and ^{129}I measurements have been started.

The main focus of applications is on geological and environmental topics with the broad goal of using isotopic techniques to help understand the timing and rates of processes in the earth system.

Mittwoch, 16. April 2008, 16:30 Uhr

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