



EINLADUNG
zum
VERA - SEMINAR
von

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**Gas ion sources for ^{14}C analysis:
Development and application**

CO_2 gas accepting ion sources permit analytical instruments to be interfaced directly to an AMS system for ^{14}C analysis. Instrumentation such as an elemental analyzer, gas bench, gas chromatograph and ampoule cracker have been implemented and routine gas measurements are performed and compliment traditional solid graphite measurements. Analysis of small samples with less than 50 μg of carbon is readily achievable allowing molecular level radiocarbon data to be obtained for a range of sample types. Previous work using the microwave plasma gas ion source at the Woods Hole Oceanographic Institution will be shown and discussed in the context of current work at ETH Zurich using a hybrid Cs sputter source.

Donnerstag, 13. Juni 2013, 16:30 Uhr

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