

INSTITUT FÜR ISOTOPENFORSCHUNG UND KERNPHYSIK  
DER UNIVERSITÄT WIEN

E I N L A D U N G  
zum  
S E M I N A R V O R T R A G  
von

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**Experiments in explosive nucleo-synthesis with  
radioactive beams - status and future plans**

Radioactive nuclei play an important role in a diverse range of astrophysical phenomena, including the early universe, red giant stars, novae, X-ray bursts and supernova explosions. Measurements of reactions with beams of short-lived radioactive nuclei can, for the first time, probe the nuclear reactions occurring in these cosmic phenomena. I will discuss the astrophysical motivations for reactions with radioactive beams, the techniques to produce these beams, results from recent experiments and plans for future facilities.

**Freitag, 13. Juli 2001, 10:30 Uhr  
1090 Wien, Währingerstr. 17, „Kavalierstrakt“,  
1. Stock, Seminarraum von VERA**