

E I N L A D U N G

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S E M I N A R V O R T R A G

von

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**A Window on Nucleosynthesis through Detection of
Short-Lived Nuclides**

Short-lived radioactive nuclides ($T_{1/2} \approx 100$ Myrs) are known to have been present in the Early-Solar System. Some of these have been detected during the last decade as live radioactivities in the Interstellar Medium (ISM). Direct deposition of ISM grains penetrating the Solar System could bring such live nuclides onto Earth. Using accelerator mass spectrometry as detection technique, we focus here on the search for ^{244}Pu (81 Myrs) in deep-sea sediments, acting as a possible reservoir for such material, and set a limit for the process.

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