

INSTITUT FÜR ISOTOPENFORSCHUNG UND KERNPHYSIK  
DER UNIVERSITÄT WIEN

E I N L A D U N G

zum

I N S T I T U T S S E M I N A R

von

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## **The Rare Isotope Accelerator Project**

The U.S. Nuclear Science Advisory Committee recommended the Rare Isotope Accelerator (RIA) as the highest priority for major new construction in its 2001 Long Range Plan for Nuclear Science. The project figures high on the recently published list of the Department of Energy's Office of Science 20-year science facility plan.

RIA will produce key new rare isotopes of atomic nuclei. It will provide the means to understand the origin of the elements and the chemical history of our universe; provide new quantitative understanding of nuclei, the core of matter, and the fuel of stars; provide us with new opportunities to explore the fundamental symmetries of nature; provide the ability to manipulate nuclei of atoms and create new isotopes for the benefit of society.

This presentation will briefly highlight selected aspects of the science case for RIA before describing the main characteristics of the facility.

**Donnerstag, 24. Juni 2004, 16:30 Uhr**

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

P. Hille

W. Kutschera