



ΑΡΙΣΤΟΤΕΛΕΙΟ
ΠΑΝΕΠΙΣΤΗΜΙΟ
ΘΕΣΣΑΛΟΝΙΚΗΣ

ΣΕΜΙΝΑΡΙΟ ΤΜΗΜΑ ΦΥΣΙΚΗΣ

Τετάρτη 24 Νοεμβρίου 2010

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Αίθουσα Α31

Κύκλος σεμιναρίων



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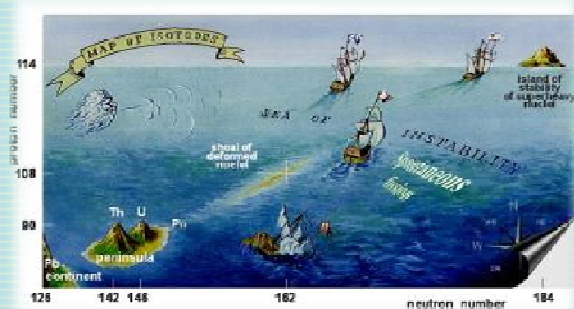
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The Race for the Superheavy Elements



Prof. Peter Ring

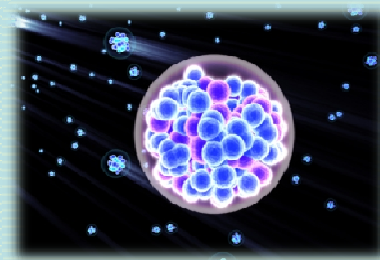
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Since the beginning of the new millennium a hard competition is worldwide under way for the synthesis of new elements with extremely large charge numbers.

Atomic weight 300 seems within reach.

Today Russia and Japan are ahead after Germany was leading in this field for several decades. In this lecture it is discussed, why these elements exist, how they are predicted, how they are produced in the laboratory and why they fascinate the scientists.



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ACADEMIC CAREER

- 1980-2006 Professor of Theoretical Physics – Physics Department, Technical University Munich
- 1975-1980 Dozent – Physics Department, Technical University Munich
- 1973-1975 DFG – fellowship at the Nuclear Science Division, Lawrence Berkeley Laboratory
- 1968-1973 Assistant – Physics Department, Technical University Munich
- 1966-1968 Wiss. Hilfskraft – Physics Department, Technical University Munich