



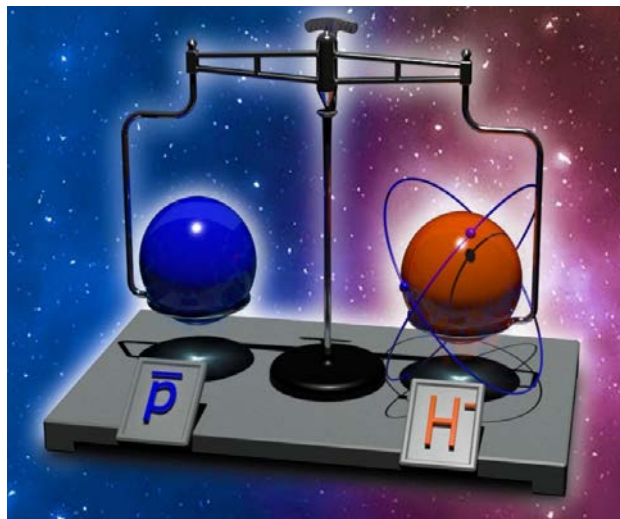
Einladung
zum
Physikalischen Kolloquium
Montag, 11.12.2017
16:15 Uhr in N24/H13



Prof. Dr. Klaus Blaum
Max-Planck-Institut für Kernphysik
Heidelberg

Measuring the World -
Precision Measurements of Fundamental Properties of Atoms and Nuclei

The presentation will concentrate on recent applications with exciting results of Penning traps in atomic and nuclear physics with cooled and stored exotic ions. These are high-accuracy mass measurements of short-lived radionuclides, g -factor determinations of the bound-electron in highly-charged, hydrogen-like ions and g -factor measurements of the proton and antiproton. The experiments are dedicated to nuclear-, neutrino- and astrophysics studies in the case of mass measurements on radionuclides, and to the determination of fundamental constants and a CPT test using g -factor measurements.



Ab 16.00 Uhr Kaffee, Tee und Kekse vor dem Hörsaal H13

Organisation: Prof. Dr. F. Jelezko, Tel. 23750

Host: Prof. Dr. J. Hecker Denschlag, Tel. 26100, off.: 26101