

Summer Term 2013

Lectures on

# Selected Problems in Nuclear Structure Physics

Old and New Shells

$N=Z$  Nuclei

Superheavy Nuclei

Halos and Clusters

Collective Response of Nuclei

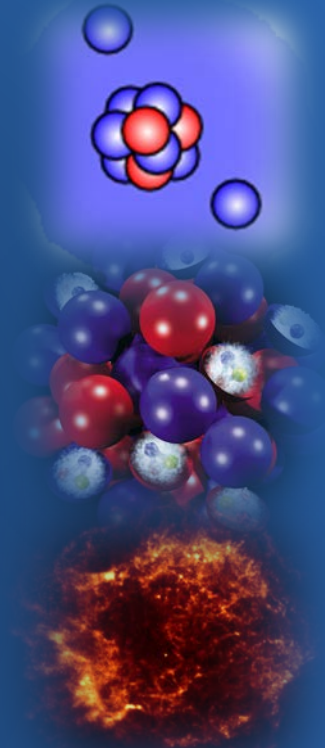
Shape Coexistence

Charge and Matter Radii

Nuclear Masses

Structure and Nucleosynthesis

Experimental Techniques and Facilities



**Prof. Dr. Andreas Zilges**

**Each Wednesday, 10:00-11:30**

**Library (room 314), Institut für Kernphysik**

**Start: April 10<sup>th</sup>, 2013**

This course belongs to the area of specialization  
„Nuclear and Particle Physics“ in the Master program.  
The course is endorsed by the BCGS.

