



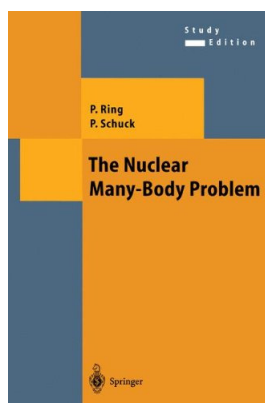
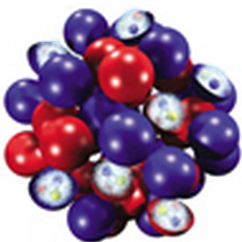
Correlations in nuclei

How far can we go with density functional theory?

Festsymposium zum 75. Geburtstag von Prof. Dr. Peter Ring

Thursday, 3 Nov 2016

Lecture hall of LMU in Garching, Am Coulombwall 1



- 10:00 **Welcome**
- 10:10 Jie Meng, *Peking University*
The relativistic description of nuclear structure between Beijing and Munich
- 10:45 Anatoli Afanasjev, *Mississippi State University*
Collective and single-particle phenomena in covariant density functional theory
- 11:20 Georgios Lalazissis, *Aristotle University of Thessaloniki*
Shape transitions in superheavy nuclei
- 11:55 Dario Vretenar, *University of Zagreb*
Sloppy nuclear energy density functionals: effective model optimization
- 12:30 **Noon break**
- 14:00 Pierfrancesco Bortignon, *Universita di Milano & INFN*
Beyond the mean field in the particle-vibration coupling scheme
- 14:35 Gianluca Colo, *Universita di Milano & INFN*
Nuclear Density Functional theory and the nuclear equation of state
- 15:10 Elena Litvinova, *Western Michigan University & NSCL, MSU*
Relativistic nuclear field theory: from fundamental interactions to emergent phenomena
- 15:45 **Coffee break**
- 16:15 Luis Egido, *Universidad Autonoma de Madrid*
A view on exotic nuclei with beyond mean field approaches
- 16:50 Takaharu Otsuka, *University of Tokyo & CNS*
Nuclear shapes in Monte Carlo Shell Model calculations
- 17:25 Peter Schuck, *Orsay & CNRS Universite Joseph Fourier, Grenoble*
Quartet condensation in nuclear systems and life on earth
- 19:00 **Bayerische Brotzeit**