



Friday - July 2, 2010
Bldg. 28c, seminar room

Workshop on Nuclear Resonant Scattering at PETRA III
(Chair: Hermann Franz)

8:30 Registration

9:00

Hans-Christian WILLE, DESY, Hamburg
Nuclear Resonant Scattering at beamline P01 of PETRA III

9:30

Raphael HERMANN, Forschungszentrum Jülich
Lattice dynamics in functional materials: past, present and future opportunities

10:00

Alexandr CHUMAKOV, ESRF Grenoble
The legends of nanotechnologies: What is the real nature of elastic anomalies of nano-crystallites?

10:30 Coffee break

11:00

Kai SCHLAGE, DESY, Hamburg
A Sharp Look onto the Birth of Self-Assembled Magnetic Nanostructures

11:30

Birk ANDREAS, PTB Braunschweig
Tracing back the ^{57}Fe Mössbauer wavelength to the SI unit of length

12:00

Volker SCHÜNEMANN, Technical University of Kaiserslautern
Nuclear inelastic scattering as a probe for iron dynamics in proteins and molecular switches

12:30 – 13:00 Visit of beamline P01 at PETRA III

13:00 Lunch buffet

12:00 – 14:00 Poster session

Sponsored by





Friday - July 2, 2010
Bldg. 5, DESY Auditorium

**Festkolloquium on the occasion of 25 years
Nuclear Resonant Scattering of synchrotron radiation and the 75th
birthday of Erich Gerda**
(Chair: Ralf Röhlsberger)

14:00 Welcome

14:10 Grußworte

**Edgar Weckert, DESY; Daniela Pfannkuche, Universität Hamburg; Uwe
Bergmann, LCLS, Stanford**

14:30

Rudolf RÜFFER, ESRF, Grenoble

*Zurück in die Zukunft: Kernresonanzstreuung von DESY zur ESRF und darüber
hinaus*

14:55

Ercan ALP, Argonne National Laboratory, Chicago

Nuclear Resonant Scattering for the first time users

15:20

Jerry HASTINGS, SLAC National Accelerator Laboratory, Stanford

A personal view of NFS and what the LCLS might offer to NRS

15:45

Alfred Xaver TRAUTWEIN, University of Lübeck

NRS on biological and optically switchable iron complexes

16:10 Kaffeepause

16:40

**Dénes NAGY, KFKI Research Institute for Particle and Nuclear Physics,
Budapest**

Glancing incidence - ein glänzender Einfall

17:05

Yuri SHVYDKO, Argonne National Laboratory, Chicago

Nuclear Resonance: from Radioactive Source to XFEL

17:30

Erich GERDAU, Universität Hamburg

Erste Schritte

18:00 Empfang im Foyer des DESY Hörsaals

19:00 Dinner im DESY Bistro, Geb. 9a