

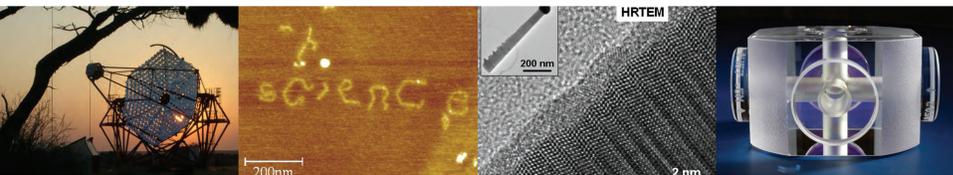


Department of Physics

Lise Meitner-Haus · Newtonstraße 15 · 12489 Berlin · Germany

Scientific profile

- Elementary particle physics
- Macromolecules and complex systems
- Solid state physics – highly correlated systems
- Optics and photonics
- Physics education – Unilab Student Laboratory



Joint appointments – honorary professors

- BESSY
- DESY Zeuthen
- Max Born Institute (MBI)
- Paul Drude Institute (PDI)
- Institute for Crystal Growth (IKZ)
- Hahn Meitner Institute (HMI)
- Ferdinand Braun Institute (FBH)
- MPI of Colloids and Interfaces
- MPI for Gravitational Physics

Coordinated Research Activities

SFB 448 Mesoscopically organized composites (HU Physics)

SFB 555 Complex non-linear processes (HU Physics)

SFB 546 Structure, dynamics, reactivity and catalyse of transition metal oxid complexes (HU Chemistry)

SFB 647 Space, time, matter (HU Mathematics)

SFB 450 Analysis and control of ultrafast photoinduced reactions (FU)

SFB 658 Elementary processes in molecular switches at surfaces (FU)

SFB/TR9 Computational particle physics (U Karlsruhe)

FOR 465 Lattice hadron phenomenology (U Regensburg)

GRK1025 Fundamentals and functionality of size and inter-face controlled materials: spin- and optoelectronics (HU Chemistry, Physics)

Various European networks, 3 International Max-Planck Research Schools, BMBF-funded programs, ...

Excellence Initiative Projects

Applied for

Profile field/IRI “Integrative life sciences”

- SFB 555, Berlin School of Mind and Brain

Profile field “Modern optics and molecular systems”

- SFB’s 448, 450, 546, 555, 658, GRK 1025
- Joint appointments planned with HU Chemistry: “New photonic materials and structures”, “Structure, dynamics and electronic properties of molecular systems”
- ACT – Adlershof Cooperation for Technology – Joint appointments planned with FBH, MBI, BESSY

Profile field “Mathematics as a key technology”

- SFB 647
- Joint appointment proposed with HU Mathematics: “Mathematical Physics – Elementary particle physics beyond the standard model”

Young investigator groups

- Junior professorship “Optical metrology”
- Emmy Noether group “Neutrino astrophysics”
- Emmy Noether group “Supramolecular systems”
- Stifterverband lectureship “Modern optics”

Facts

Third party funding 2006: 4.7 Mio. Euro

Staffing:	Profs.	Young Leaders	Scientists	Techn. Staff
HU’07	16 + 4 S	2	39	49
3rd party’07	2	2	64	2
HU plan’09	18 + 7 S	4	46	40

Studying physics:

- Diploma degree in Physics (ending)
- B.Sc. and M.Sc. in Physics
- B.Sc. and M.Ed. in Physics with 2nd subject
- M.Sc. in Polymer Science

• Diploma theses finished in 2004 – 6: 114

• PhD theses finished in 2004 – 6: 81



www.physik.hu-berlin.de

