



# Wilhelm and Else Heraeus – Physics School

## Highly Charged Ions and Antiprotons

Atomic physics, fundamental symmetries and interactions

April 4-12, 2008 – Physikzentrum Bad Honnef



### Scope

A comprehensive overview of the current state of atomic and fundamental physics with heavy, highly charged ions and antiprotons will be given. Directions for research at the planned international Facility for Low-energy Antiproton and Ion Research (FLAIR) will be discussed.

### Topics include

- Storage Rings and Traps
- Highly Charged Ions and Quantum Electrodynamics
- Antiprotons and Antihydrogen
- Gravity and Antimatter

### Applications

The lectures of this physics school are for postgraduate and PhD students, primarily.

An online application form and further information about the Physics School can be found at:

[www.gsi.de/forschung/ap/conferences/hcia/](http://www.gsi.de/forschung/ap/conferences/hcia/)

Deadline for applications: February 15, 2007

### Organisation

- Harald Bräuning (GSI Darmstadt, Gießen University)
- Wolfgang Quint (GSI Darmstadt, Heidelberg University)
- Thomas Stöhlker (GSI Darmstadt, Heidelberg University)
- Jochen Walz (Mainz University)

### Contact

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### Invited speakers:

- G. Baur, Forschungszentrum Jülich
- F. Bosch, GSI Darmstadt
- G. Gabrielse, Harvard University
- P. Indelicato, ENS Paris
- M. deKieviet, Heidelberg University
- C. Lämmerzahl, Bremen University
- R. Lehnert, MIT
- R. Schuch, Stockholm University
- J. Ullrich, MPIK Heidelberg
- E. Widmann, Akademie der Wissenschaften Wien
- Y. Yamazaki, Tokyo University