

**FAKULTÄT für PHYSIK
LUDWIG-MAXIMILIANS-UNIVERSITÄT
MÜNCHEN/GARCHING**

**PHYSIK-DEPARTMENT
TECHNISCHE UNIVERSITÄT MÜNCHEN
MÜNCHEN/GARCHING**

MLL-KOLLOQUIUM

Donnerstag, 18.07.2013, 16¹⁵ Uhr

Hörsaal der LMU in Garching, Am Coulombwall 1
Treffen zum gemeinsamen Kaffee 16 Uhr

Prof. Oliver Kester

**(GSI Helmholtzzentrum für Schwerionenforschung und Institut für Angewandte
Physik, Goethe-Universität Frankfurt)**

The FAIR Project - A Challenge for Accelerators and Experiments

The world-wide unique international research 'Facility for Antiproton and Ion Research' FAIR aims at providing stable and exotic nuclides as well as anti-protons, in a wide intensity and energy range with highest beam quality, for a worldwide leading science program.

For this purpose a unique ion acceleration facility is under construction, based on a variety of innovative systems and focussing on a sophisticated and cost-efficient accelerator system, able to provide beams in parallel for different research communities to allow for a high-level research program.

The challenges touch many areas of accelerator physics and require development work, starting from the ion sources up to the targets and experiments.

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