



独立行政法人理化学研究所 仁科加速器研究センター
第154回 RIBF核物理セミナー
RIKEN Nishina Center for Accelerator Based Science
The 154th RIBF Nuclear Physics Seminar

High-Precision Experiments Using Radioactive Ions, Lasers and/or Storage Devices

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(GSI, Germany)

An overview is given on recent atomic physics experiments at accelerators using radiofrequency or laser spectroscopy. Very high accuracy and, in addition, extreme sensitivity are reached by confinement and cooling in storage devices. These investigations address basic properties of exotic nuclei (nuclear binding energy, spin, electromagnetic moments and charge radii), the study of ions in very high charge states (nuclear binding energy and hyperfine structure splitting) or the test of fundamental symmetries and interactions.

Nov. 30 (Fri.), 2012 13:30~
RIBF Hall, RIKEN

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