



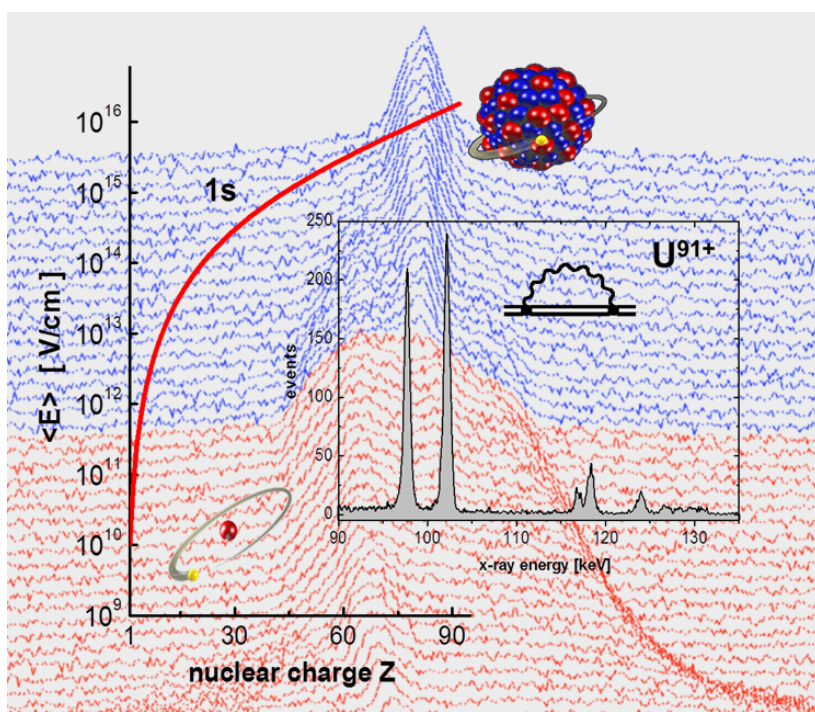
The Physics of FAIR: Exploring Matter in Extreme Electromagnetic Fields.

Thomas Stöhlker (Helmholtz Institute Jena & GSI-Darmstadt)

Tuesday, 07 October 2014

16:45 h, Auditorium

The future Facility for Antiproton and Ion Research (FAIR) offer a range of novel and challenging research opportunities to study electromagnetic interactions with matter subject to extreme electromagnetic fields. Precision experiments at FAIR will allow for stringent tests of quantum electrodynamics in the strong and critical field limit (e.g. Lamb shift, g-factor) and for probing our understanding of elementary atomic processes at ultrafast timescales. For this purpose, cooled, stored or trapped heavy ions and exotic nuclei at their highest charge state will be provided for a broad range of beam energies (from rest in the laboratory to highly relativistic ones).



Coffee, tea and cookies will be served at 16:30h.

After the seminar there is a chance for private discussions with the speaker over wine and pretzels.

