

ExtreMe Matter Institute EMMI

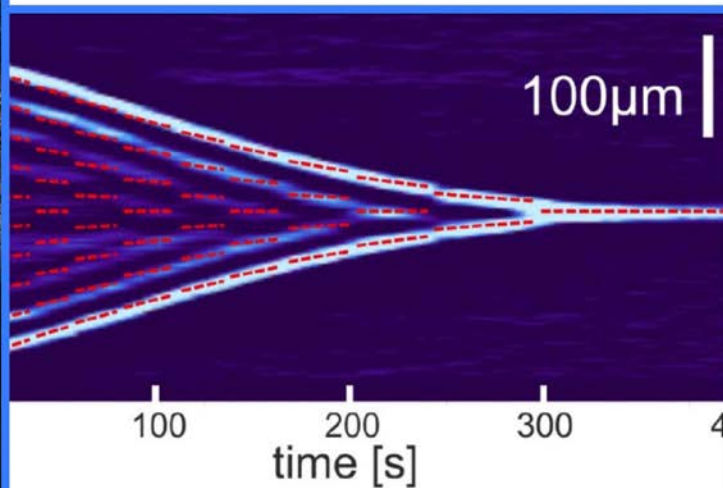
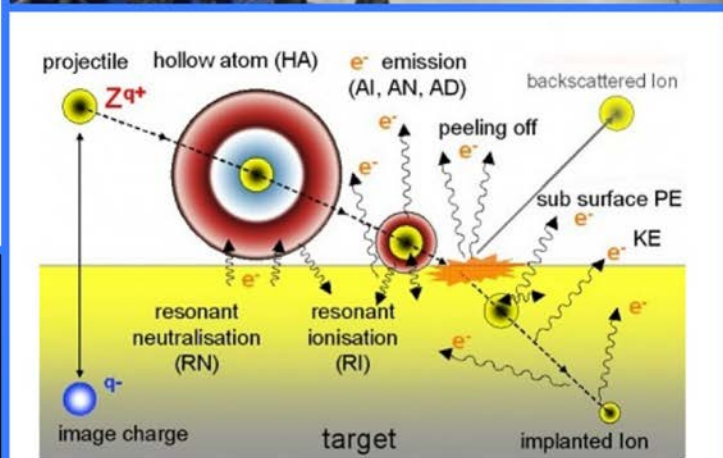
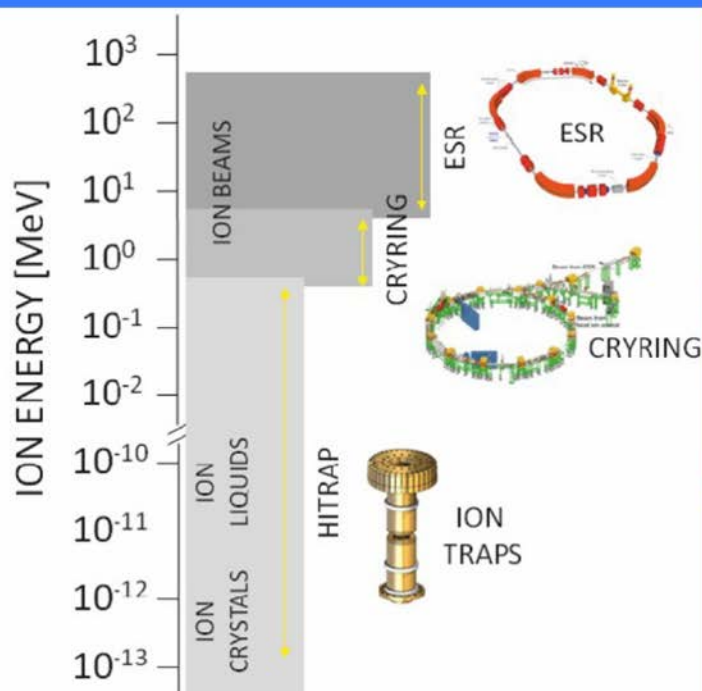
EMMI Workshop

HITRAP Facility and Experiments – Status and Future Perspectives

Haus Hainstein, Eisenach, Germany, July 17-20, 2022

Scientific Organizers:

Zoran Andelković (GSI Darmstadt), Frank Herfurth (GSI Darmstadt), Wolfgang Quint (GSI Darmstadt), Reinhold Schuch (Fysikum Stockholm), Thomas Stöhlker (GSI Darmstadt/HI Jena), Manuel Vogel (GSI Darmstadt)



Topics:

- Status of HITRAP facility
- Low-energy atomic collisions of highly charged ions (HCI)
- Atomic spectroscopy with HCI at low energies
- Precision Penning trap experiments with HCI
- Bound-state QED theory
- Fundamental constants and interactions
- Ion-surface interaction with slow heavy HCI
- Theory of low-energy collisions of HCI
- Development of EBIT ion sources
- Instrumentation for low-energy HCI beams

image credits: Z. Andelkovic, G. Otto, S. Trotsenko, GSI; F. Aumayr, TU Vienna; T. Murböck et al., Phys. Rev. A 94, 043410 (2016)

https://indico.gsi.de/e/HITRAP_2022 (PW: HITRAP_2022)

REGISTRATION IS OPEN UNTIL MAY 15, 2022 & ABSTRACT SUBMISSIONS FOR SCIENTIFIC AGENDA ARE WELCOME BY JULY 3, 2022

Information:

www.gsi.de/emmi/workshops

More about EMMI:

www.gsi.de/emmi

