Targetry for Laser-driven Proton (Ion) Accelerator Sources: First Workshop

presented by Munich-Centre for Advanced Photonics (MAP)
http://www.med.physik.uni-muenchen.de/research/laser-acceleration/targetry-workshop/index.html

What does it take to make laser-ion accelerators a viable experiment tool?

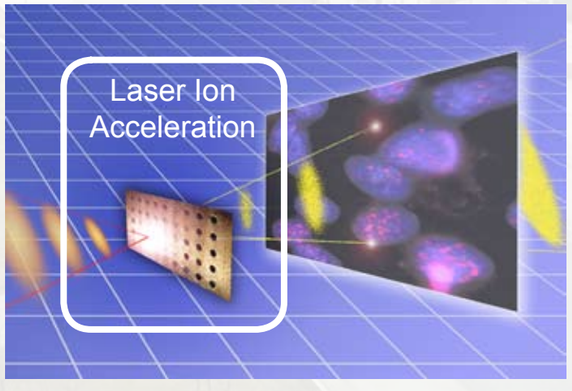
Organizers: J. Schreiber (LMU), J. Wilkens (TUM), P. Bolton (KPSI), F. Nüsslin (TUM)

Contact: J. Schreiber: joerg.schreiber@mpq.mpg.de, A. Leinthaler: +49 (0)89 28914078

Location: Institute for Advanced Study (IAS), Garching, Germany **Date:** 9th - 11th Oct 2013

Topics

- Targets: Gas - near-critical - solid, Angstroms or Millimeter
- Fabrication and handling: Production - Characterization - Alignment
- Shape and density conditioning
- Control of ion properties: angular divergence, energy spectrum, efficiency, bunch duration
- Rep-rated capability
- Pre-, intra- and post-irradiation accelerator diagnostics
- Challenges of technology development



Design: I. Cortrie