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?

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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













