



U.S. DEPARTMENT OF
ENERGY

Advanced
Materials
Office of
Science

Biological
Sciences

Engagement with Industry: “A funding agent’s viewpoint”

Accelerators
and Beams
Tools of Discovery

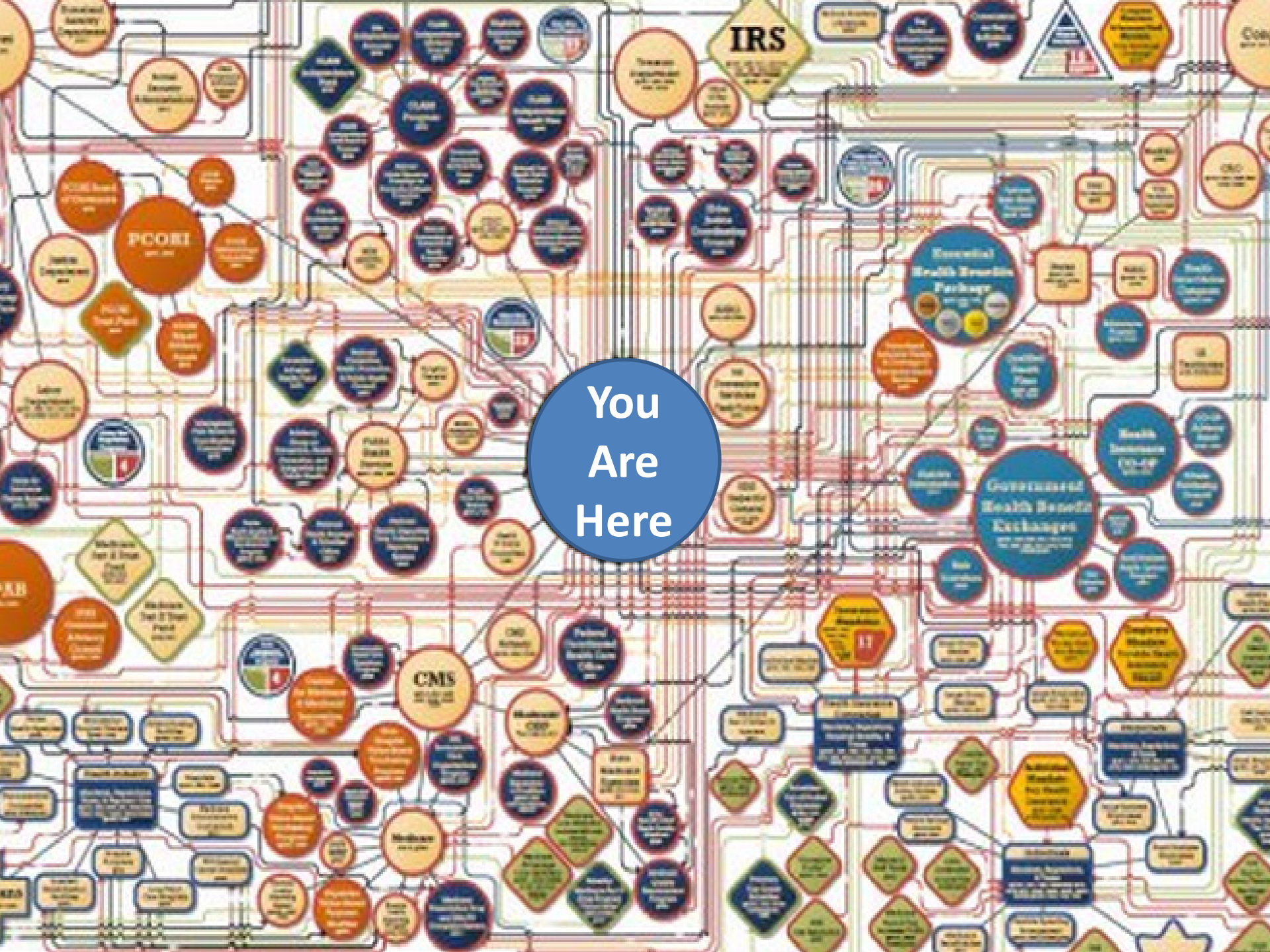
Eric R. Colby

DOE Office of High Energy Physics

IPAC 2015
Richmond, VA
May 6, 2015

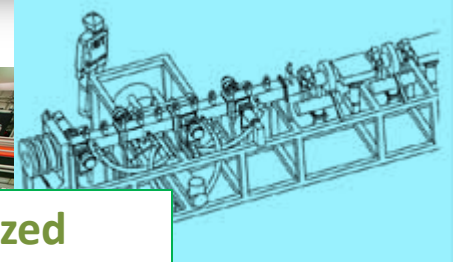
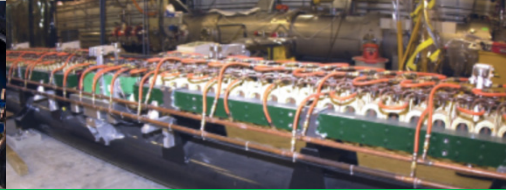
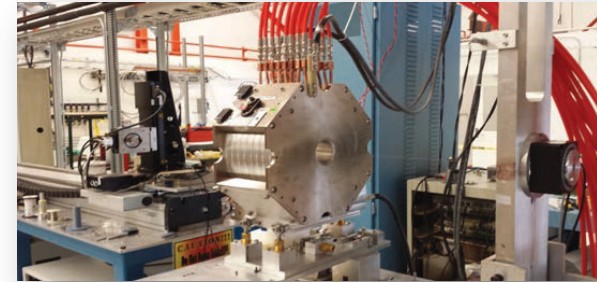
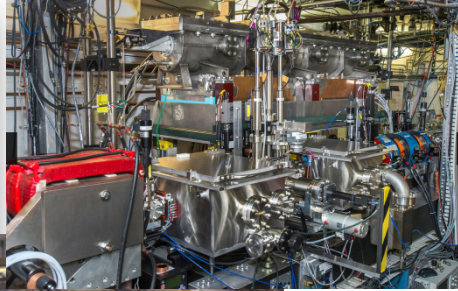
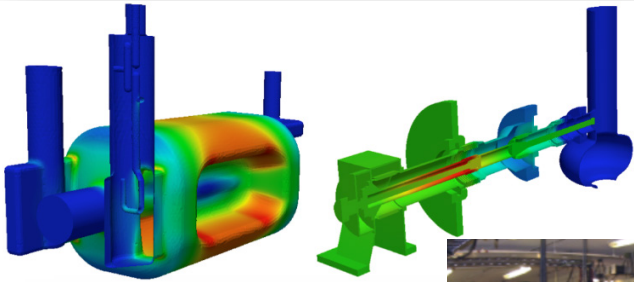
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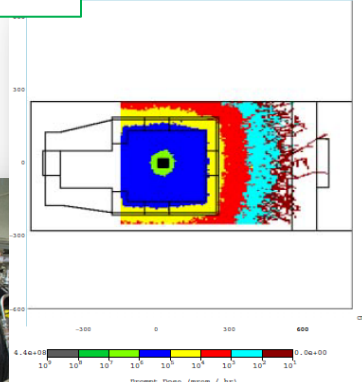
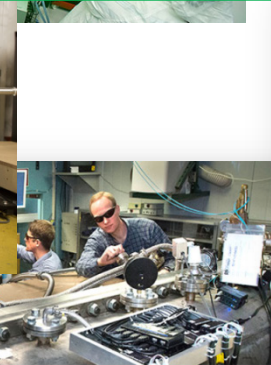
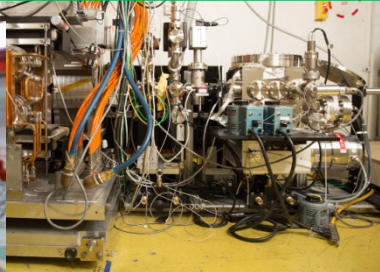


You
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DOE Office of Science Accelerator R&D Capabilities



These are just a few of the more than 50 specialized accelerator R&D capabilities across the DOE SC complex...



Accelerator Stewardship Program Elements

- **Research Program**
 - [Accelerator Stewardship Solicitations](#)
 - “Research Opportunities in Accelerator Stewardship”
 - Applied and Basic R&D
 - [SBIR/STTR Solicitations \(Some topics tailored to mesh with AS program\)](#)
- **SC Accelerator Test Facilities**
 - [Brookhaven Accelerator Test Facility](#) (open now!)
 - Dedicated Stewardship User Facility
 - Upgraded facility ready in 2018
 - [Accelerator Stewardship Test Facility Pilot Program](#) (starting up now!)
 - Pilot Program to assess demand for lesser-known SC accelerator capabilities
- **Future**
 - New Stewardship thrusts, added through workshops
 - Energy & Environmental Applications of Accelerators (this summer!)

Encouraging Stronger Engagement with Industry

- **Closer university, national laboratory, and industry engagement is clearly beneficial both to the Office of Science mission and to strengthening the overall accelerator ecosystem**
- **People go where the work is compelling and there are resources!**
 - Accelerator Stewardship Funding Opportunities are structured to **strongly** encourage collaborations, with the goal of making marketable technologies
 - Merit reviews explicitly score proposals on collaboration and plans for technology transfer
 - Making unique test infrastructure (test facilities and unique core competencies) more accessible encourages wider use, more collaboration, more networking
 - Workshops are structured not only to identify R&D topics, but to develop shared expectations around R&D priorities and broader knowledge of existing capabilities

