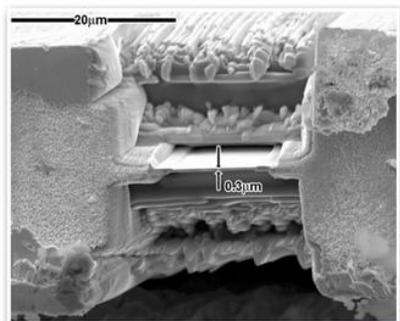


A World-Class Irradiated Materials Science Facility

- Five laboratories house more than two dozen specialized instruments for material characterization and for measuring physical and mechanical properties.
- Preparation facilities for ultra-small samples allow researchers to leverage cutting-edge characterization equipment in the “open lab.”
- Through access to specialized analytical tools, research activities in LAMDA laboratories result, on average, in >70 peer-reviewed scientific publications per year on the materials science of HFIR irradiated materials.



TEM sample prepared by focused ion-beam milling

Use of small specimens is a key factor for LAMDA capabilities.



LAMDA is a gateway to microscopy (APT, TEM) on irradiated materials.

The dedicated LAMDA equipment, along with the “open lab” analytical capabilities, provides an unparalleled resource for radiation materials science

