

## **Exact Bragg-Backscattering (EBB) X-ray Beam Facility Recommendations on the Letter of Intent (Preproposal)**

The APS Scientific Advisory Committee strongly endorses and fully supports the Letter of Intent (preproposal) to build an Exact Bragg-Backscattering (EBB) X-ray Beam Facility at the APS at the site of the current test station. The proposed project describes a unique approach to build and use an exact 180-degree backscattering spectrometer. This possibility was envisioned in the original design of the APS storage ring, and backscattering has now been successfully demonstrated. This demonstration gives the APS a leading edge in the construction of a unique beamline to allow excellent pioneering x-ray science. The LOI describes possible experiments to exploit this capability.