

**Sector 3ID of the APS:
A COMPRES Facility for Inelastic and Nuclear Resonant X-Ray Scattering**

*J.Y. Zhao, W. Bi, E. E. Alp, M. Hu, T. Toellner, *J. Bass, T. Gog*

Advanced Photon Source, Argonne National Laboratory, Argonne, IL 60439

*Department of Geology, University of Illinois at Urbana-Champaign, Urbana, IL 61801

Sector 3ID beamline with unique inelastic and nuclear resonant scattering capabilities has been associated with COMPRES since 2005, and recently became a COMPRES facility in 2016.

We will present the current and future capabilities developed at 3ID for high pressure science, including unique sample environments and supporting infrastructures, as well as the near future upgrades of the beamline, new focusing optics and new experimental opportunities.