

Nuclear resonant and inelastic x-ray scattering facility at the APS 3-ID Beamline

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Nuclear resonant scattering (NRS) and inelastic x-ray scattering (IXS) studies under pressure is being conducted at the 3-ID and 30_ID beamlines of the APS. We made some upgrades during the last year that will benefit the current and future users. At present, Advanced Phonon Source has dedicated beamlines for high- energy resolution (1-2 meV) IXS studies (Sector 3 and 30). These beamlines have temperature control, on-line pressure readout systems, and gas membrane DAC's.

We will present some of these new capabilities. We will highlight the use of APS Hybrid mode for synchrotron Mössbauer Spectroscopy. We will point out some of the expected changes in the near future.

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