

X17 DAC (X17C, X17B3) Strategic Plan

1. Provide a state-of-the-art community facility for high-pressure mineral physics research
2. Develop and enhance key and unique features of the NSLS DAC facility
 - High-pressure community at NSLS
 - Energy dispersive Diffraction (single crystal & powder)
 - High Energy Total X-ray Scattering & PDF analyses
 - Combined X-ray and IR studies
 - High quality support lab
 - In-situ resistive heating capabilities for all Diffraction techniques
3. Lay groundwork to develop a high-pressure program at NSLS-II that will be world-class and take advantage of the unique features of this new machine