

HPCAT

16ID-B Experiment Request Form

(Prior to Beamtime planning)

Please check all appropriate boxes before beamtime scheduling time. **NOTE: If you do not specify the table (LH and GP*) and experiment requirements, it is up to HPCAT to assign a table/setup for you. No changes to experimental table destination will be possible after scheduling period! For short descriptions about the two tables please see appendix A**

ID-B Beamline	
Spokesperson and experiment title:	Sample Description (composition, scattering power, grain size, safety)
<input type="checkbox"/> General Purpose table	<input type="checkbox"/> Cryostat <input type="checkbox"/> Heavy (e.g. graphite) resistive heating <input type="checkbox"/> Limited Single crystal* <input type="checkbox"/> Special experimental setup* <input type="checkbox"/> Special focusing / unfocused beam*
<input type="checkbox"/> Laser Heating table	<input type="checkbox"/> In-situ laser heating
<input type="checkbox"/> No preference	<input type="checkbox"/> General Diffraction with STD setup <input type="checkbox"/> Side diffraction <input type="checkbox"/> Light resistive heating
Online systems	<input type="checkbox"/> Online Raman/ruby system* <input type="checkbox"/> Online Ruby system
* Please contact your assigned HPCAT responsible staff for feasibility and detailed arrangement	

Appendix A

16-IDB now has two experimental tables, general purpose table (GP) and laser heating table (LH). Both tables provide identical x-ray focusing and detection capabilities. Major differences are listed below.

GP table:

- Open area around and above sample stage to allow special setups
- Heavy duty sample stage for cryostat and heavy cells
- Goniometer motion in sample stage
- Ideal for experiments using cryostat, heavy (graphite and large size heaters) resistive heating and special setups

LH table:

- Dedicated for laser heating experiments
- Small sample stages for free rotation

Note: General XRD, side diffraction and light resistive heating experiments can be conducted on both tables.

