

CDI Beamline Conceptual Design Review
October 25-26, 2018
Charge to Committee

1. Do the preferred conceptual design and associated requirements support the CDI beamline scientific objectives, consistent with the properties of the NSLS-II source and facility?
2. Please comment on the technical feasibility of the preferred conceptual design. Specific features to focus on include (but are not limited to) the optical layout and length of the beamline, the size of the experimental hutch, the endstation instrument, detector options, infrastructure provisions, and choice of insertion device. Have appropriate design options and alternative concepts been explored? What are their strengths and weaknesses, in upholding the scientific objectives?
3. Does the design present technical risks? Does the design present scientific risks (e.g. may not be able to uphold some scientific objectives)?
4. Are there safety concerns related to the installation and operations of the beamline and endstation concepts presented?
5. Please comment on the future upgrade potential and associated tradeoffs in the beamline design.
6. Is the preferred conceptual design mature enough to proceed to the next (preliminary) stage of engineering design development?
7. Are the cost and schedule estimates presented realistic for this stage in the development of the beamline design?