

**Charge Questions**  
**Advisory Board Meeting, Nov 18, 2024**  
Megaelectronvolt Ultrafast Electron Diffraction (MeV-UED) Facility  
SLAC National Accelerator Laboratory

We kindly ask that the Advisory Board provide a short written report summarizing their feedback within approximately 1 week of the meeting date.

1. Please evaluate the current state of the facility and the ongoing R&D projects. Will proposed/planned upgrades, if successfully implemented, substantially enhance the scientific impact of MeV-UED? Is the facility prioritizing these developments correctly?
2. Please evaluate the current scientific directions of the facility. Is the proposed user offering balanced? Are there other scientific directions that the committee would recommend MeV-UED to consider for the future?
3. What outstanding challenges do you foresee that must be addressed to meet the future needs of the facility?
4. For development over the next 5 to 10 years what does the committee see as the most complementary capabilities to implement in a prospective second UED beamline?
5. Please comment on idea of a MeV-UED workshop in the Spring to coincide with next Advisory Board meeting.