

# PhotonMEADOW 2023

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## **Experiences and Challenges with X-ray Optics for the LCLS**

*Tuesday, September 12, 2023 11:40 AM (20 minutes)*

In the past 5 years, the LCLS Optics Metrology Laboratory has measured and encountered numerous types of extreme x-ray optics in various phases, i.e. from prototyping to qualifying the bare optics to the fully assembled optics systems. In this presentation, selected examples of optic work will be shared for illustrating the interesting experience working with optics for the LCLS, and the lessons learned. The hope is to create awareness in the community on what may be expected from such scale and magnitude of facility upgrade.

### **Journal of Synchrotron Radiation Special Issue: will you submit your contribution?**

no

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**Session Classification:** X-ray optics design, realization and metrology