



# PhotonMEADOW23

## Tuesday, September 12, 2023

### X-ray optics design, realization and metrology: X-ray optics design, realization and metrology - 1 (9:40 AM - 10:30 AM)

time	[id] title	presenter
9:40 AM	[89] Correction of X-ray wavefront errors using adaptable refractive correctors	LAUNDY, David
10:10 AM	[54] Blazed Soft X-Ray Gratings Fabricated by Grey-Tone Electron-Beam Lithography and Thermal Oxidation of Silicon	SAMADI, Nazanin

### X-ray optics design, realization and metrology: X-ray optics design, realization and metrology - 2 (11:00 AM - 12:40 PM)

time	[id] title	presenter
11:00 AM	[50] Synchrotron- and substrate-induced structural modifications in adventitious carbon layer on beamline optical elements	TOTANI, Roberta
11:20 AM	[17] Diamond-VeNOM: a high-speed slope profiler for characterising X-ray mirrors	Dr ALCOCK, Simon
11:40 AM	[45] Experiences and Challenges with X-ray Optics for the LCLS	Dr NG, May Ling
12:00 PM	[8] Characterization of silicon pore optics for the ATHENA observatory in the PTB laboratory at BESSY II	KRUMREY, Michael
12:20 PM	[9] Updates on optical metrology for synchrotron mirrors at NSLS-II	Dr IDIR, Mourad

### X-ray optics design, realization and metrology: X-ray optics design, realization and metrology - 3 (2:20 PM - 3:20 PM)

time	[id] title	presenter
2:20 PM	[29] Highly efficient multilayer-coated blazed and laminar gratings for tender X-ray energy range	Dr SOKOLOV, Andrey
2:40 PM	[32] Development of stitching interferometry and ion beam figuring methods for high precision X-ray mirrors	Prof. HUANG, Qiushi
3:00 PM	[28] Next Generation of Mirror Benders at LCLS	LANE, William