

Abstract Submitted  
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**Initial Results and Future Plans for the Soft X-ray Instrument for Materials at the Linac Coherent Light Source (LCLS)** WILLIAM SCHLOTTER, Linac Coherent Light Source, SLAC National Accelerator Laboratory, Menlo Park, CA, OLEG KRUPIN, European XFEL, Hamburg, Germany, MICHAEL MINITTI, JOSHUA TURNER, Linac Coherent Light Source, SLAC National Accelerator Laboratory, Menlo Park, CA — For two years ultrafast high intensity x-ray pulses have been available at the Linac Coherent Light Source, the x-ray free electron laser at the SLAC National Accelerator Laboratory. The soft x-ray instrument (SXR) operates at an energy range from 480eV-2000eV and features a plane grating monochromator as well as a bendable refocusing mirror system. The measured performance of the instrument will be presented as well as the future direction for instrumentation development.

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