

LCLS –The first four years and a look at the future

Wednesday, 18 September 2013 11:45 (30 minutes)

With ultrashort and ultrabright x-ray pulses X-ray Free electron lasers provide revolutionary unique new capabilities to study a wide range of phenomena. The Linac Coherent Light Source (LCLS) at SLAC has been the first of such machines delivering x-rays to users in the 280 eV to 11 keV range. LCLS is just about to finish the first four years of operations and we will review some of the most exciting highlights, upgrades as well as some lessons learned. We will also present the planned new capacity and capability as we are moving forward with LCLS II.

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Session Classification: Plenary session