



ATIONAL

ACCELERATOR

ABORATORY

Previous studies on SXRS have been limited by the inability to supply both pump and probe photons simultaneously.

New improvements at LCLS allow us to create a beam tuned to two arbitrary photon energies. O [1]

We sought to demonstrate SXRS using oleic acid with a carbon k-edge of around 290 eV.

Two Color Stimulated X-ray Raman Scattering Bryce Eggers, Andy Aquilla



Edge Structure (XANES) Spectroscopy.