LCLS X-Ray Waist Size Estimate at Q = 20 pC

![Graph showing X-ray beam waist size (rms) as a function of photon energy (keV) for different current values (Ipk). The graph displays four curves corresponding to different currents: Ipk=0.5 kA, Ipk=1.5 kA, Ipk=2.5 kA, and Ipk=3.5 kA. The x-axis represents photon energy (keV) ranging from 4.5 to 6.0, while the y-axis represents X-ray waist size (rms) in micrometers (µm).]