LCLS X-Ray Source Point Estimate at Q = 20 pC

The graph shows the relative source point location in meters as a function of the photon energy in keV for different peak currents (Ipk). The energy range is from 4.5 to 6.0 keV, and the relative location ranges from -20 to 0 m. Each line represents a different peak current: Ipk=0.5 kA (blue), Ipk=1.5 kA (red), Ipk=2.5 kA (green), and Ipk=3.5 kA (purple).