LCLS X-Ray Divergence Estimate at Q = 250 pC

The graph shows the FWHM X-ray beam divergence in [µrad] plotted against the photon energy (E_{photon} in [keV]) for different peak current values (Ipk): 0.5 kA, 1.5 kA, 2.5 kA, and 3.5 kA. The graph illustrates how the divergence decreases as the photon energy increases, with different line styles and colors representing each current level.