Momentum of initial Gaussian wave packet 0.5 $|\psi(k)|^{2}$ $|\psi(k)|_{analytical}^2$ $k_0 = 6.91 \text{ Å}^{-1}$ 0.4 $|\psi(k)|^2 [A]$ 0.1 0.0 10 $k [Å^{-1}]$