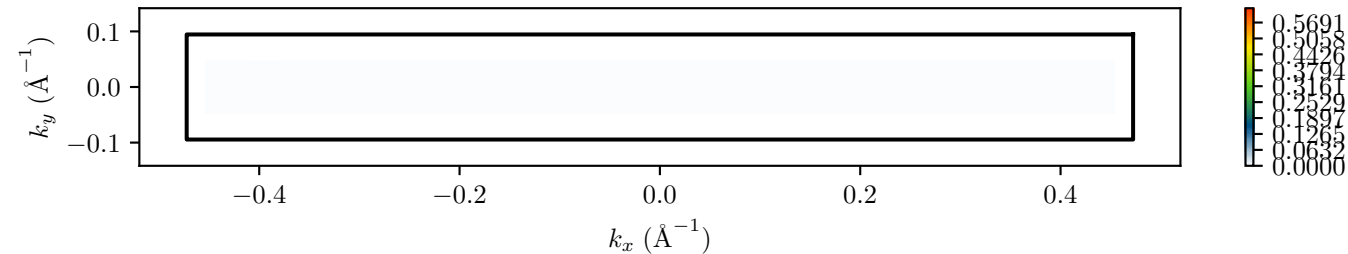
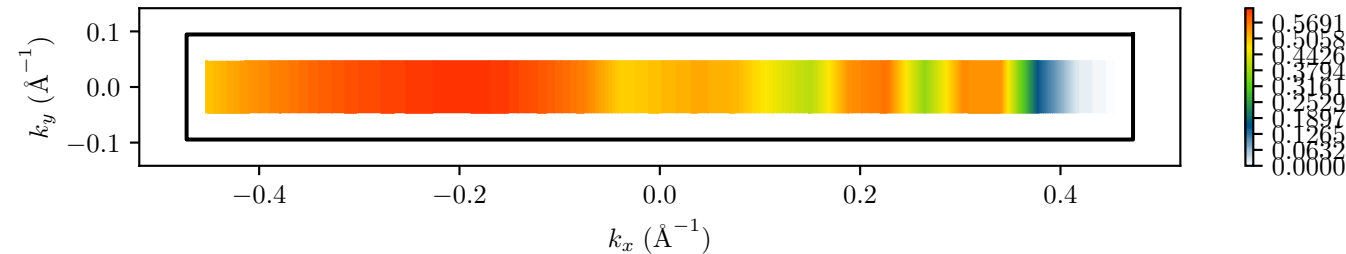
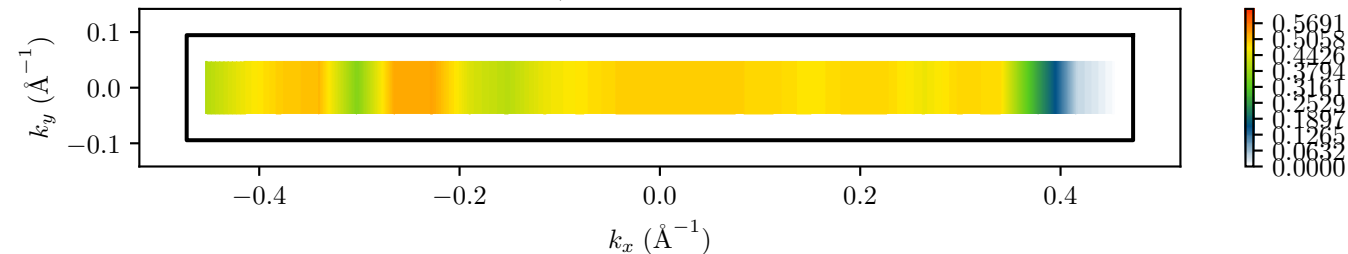


$\rho_{1,1}(\mathbf{k}, t)$ at $t = -99.5\text{fs}$  $\rho_{1,1}(\mathbf{k}, t)$ at $t = 0.5\text{fs}$  $\rho_{1,1}(\mathbf{k}, t)$ at $t = 50.5\text{fs}$  $\rho_{1,1}(\mathbf{k}, t)$ at $t = 100.5\text{fs}$ 