$$C_2(\tau_\pi, \mathbf{p}) = \int d^3\mathbf{x} \, e^{i\mathbf{p}\cdot\mathbf{x}} \langle 0|\mathcal{O}_\pi(\mathbf{x}, \tau_\pi)\mathcal{O}_\pi^\dagger(\mathbf{0}, 0)|0\rangle$$