

$$C_{AB}^{\text{DHK}}(t) = \int \mathrm{d}\Omega_0 \int \mathrm{d}\Omega'_0 \underbrace{\langle \Omega_0 | \hat{A} | \Omega'_0 \rangle}_{A e^{i\phi_A}} \underbrace{\langle \Omega'_t | \hat{B} | \Omega_t \rangle}_{B e^{i\phi_B}} \underbrace{\mathcal{C}_t^{\text{HK}} \mathcal{C}_{t'}^{\text{HK}*}}_{C e^{i\phi_C}} e^{i\Delta S}$$

$$C_{AB}^{\text{DHK}}(t) = \int d\Omega_0 \int d\Omega'_0 \underbrace{\langle \Omega_0 | \hat{A} | \Omega'_0 \rangle}_{A e^{i\phi_A}} \underbrace{\langle \Omega'_t | \hat{B} | \Omega_t \rangle}_{B e^{i\phi_B}} \underbrace{c_t^{\text{HK}} c_{t'}^{\text{HK}*}}_{C e^{i\phi_C}} e^{i\phi_S}$$

Focus on amplitude (ignore all phases)