

| | | <i>Target</i> (P^T) | | | <i>Recoil</i> (P^R) | | | <i>Target</i> (P^T) + <i>Recoil</i> (P^R) | | | | | | | | |
|----------------------------------|--|-------------------------|-----------|------------|-------------------------|------------|----------------|---|-----------------|----------------|-----------|----------------|------------|----------------|-----------------|-----------------|
| | | | | | x' | y' | z' | x' | x' | x' | y' | y' | y' | z' | z' | z' |
| $\gamma beam$ (P^γ) | | x | y | z | | | | x | y | z | x | y | z | x | y | z |
| <i>unpol</i> : σ_0 | | | \hat{T} | | | \hat{P} | | $\hat{T}_{x'}$ | | $\hat{L}_{x'}$ | | $\hat{\Sigma}$ | | $\hat{T}_{z'}$ | | $\hat{L}_{z'}$ |
| $P_L^\gamma \sin 2\phi_\gamma$: | | \hat{H} | | \hat{G} | $\hat{O}_{x'}$ | | $\hat{O}_{z'}$ | | $\hat{C}_{z'}$ | | \hat{E} | | \hat{F} | | $-\hat{C}_{x'}$ | |
| $P_L^\gamma \cos 2\phi_\gamma$: | | $-\hat{\Sigma}$ | | $-\hat{P}$ | | $-\hat{T}$ | | $-\hat{L}_{z'}$ | | $\hat{T}_{z'}$ | | $-\sigma_0$ | | $\hat{L}_{x'}$ | | $-\hat{T}_{x'}$ |
| <i>cir</i> P_c^γ : | | \hat{F} | | $-\hat{E}$ | $\hat{C}_{x'}$ | | $\hat{C}_{z'}$ | | $-\hat{O}_{z'}$ | | \hat{G} | | $-\hat{H}$ | | $\hat{O}_{x'}$ | |