$$\mathrm{d}\sigma^{\uparrow} - \mathrm{d}\sigma^{\downarrow} = \sum_{q} h_{1q}(x, k_{\perp}) \otimes \mathrm{d}\Delta\hat{\sigma}(y, \boldsymbol{k}_{\perp}) \otimes \Delta^{N} D_{h/q^{\uparrow}}(z, \boldsymbol{p}_{\perp})$$