$$\mathrm{d}^6\sigma \equiv \frac{\mathrm{d}^6\sigma^{\ell p^\uparrow \to \ell h X}}{\mathrm{d}x_B\ \mathrm{d}Q^2\ \mathrm{d}z_h\ \mathrm{d}^2\boldsymbol{P}_T\ \mathrm{d}\phi_S}$$