$$\rho_X = \frac{\mathcal{B}(X)_{PDG}}{\mathcal{B}(X)_{GEN}}$$

$$N_{CS} = \frac{N_{CS,MC}^{\text{Sig. window}}}{N_{CS,MC}^{\text{Con. window}}} N_{CS,DATA}^{\text{Con. window}}$$

1 $B \to \bar{D}^* \ell^+ \nu$, $D^0 \to K^+ K^-$

$$\eta_1 = \frac{N_1^+ \times \rho_{B^+ \to \bar{D}^{*0} \ell^+ \nu} + N_1^0 \times \rho_{B^0 \to D^{*-} \ell^+ \nu}}{N_{CS} \times \rho_{B^+ \to \bar{D}^0 \ell^+ \nu}} \tag{1}$$

2 $B \to \bar{D}^* \ell^+ \nu$, $D^0 \to K^+ K^- X$

$$\eta_2 = \frac{N_2^+ \times \rho_{B^+ \to \bar{D}^{*0} \ell^+ \nu} + N_2^0 \times \rho_{B^0 \to D^{*-} \ell^+ \nu}}{N_{CS} \times \rho_{B^+ \to \bar{D}^0 \ell^+ \nu} \times \rho_{D^0 \to K^+ K^-}} \tag{2}$$

3 $B^+ \to \bar{D}^0 \ell^+ \nu$, $D^0 \to K^+ K^- X$

$$\eta_3 = \frac{N_3^+}{N_{CS} \times \rho_{D^0 \to K^+ K^-}} \tag{3}$$

4 $B \to \bar{D}^{(*)} \ell^+ \nu$, $D^0 \to K^+ K^- X$-cascade

$$\eta_4 = \frac{N_4^+ \times ? + N_4^0 \times ?}{N_{CS} \times \rho_{CS}} \tag{4}$$

5 Other $B \to X_c \ell \nu$

$$\eta_5 = \frac{N_5^+ \times ? + N_5^0 \times ?}{N_{CS} \times \rho_{CS}} \tag{5}$$