Basis Bern (EFT WET-4)

Sectors

The effective Lagrangian is defined as

$$\mathcal{L}_{\text{eff}} = -\mathcal{H}_{\text{eff}} = \sum_{O_i = O_i^{\dagger}} C_i O_i + \sum_{O_i \neq O_i^{\dagger}} \left(C_i O_i + C_i^* O_i^{\dagger} \right).$$

udenu

WC name	Operator	Type
1udee	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu d)(\bar{e}\gamma_\mu\nu_e)$	C
5udee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rd)(\bar{e}\nu_e)$	\mathbf{C}
1pudee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu d)(\bar{e}\gamma_\mu\nu_e)$	$^{\mathrm{C}}$
5pudee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ld)(\bar{e}\nu_e)$	$^{\mathrm{C}}$
7pudee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}d)(\bar{e}\sigma_{\mu\nu}\nu_e)$	$^{\mathrm{C}}$
1udemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu d)(\bar{e}\gamma_\mu \nu_\mu)$	\mathbf{C}
5udemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rd)(\bar{e}\nu_\mu)$	\mathbf{C}
1pudemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu d)(\bar{e}\gamma_\mu\nu_\mu)$	\mathbf{C}
5pudemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ld)(\bar{e}\nu_\mu)$	\mathbf{C}
7pudemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}d)(\bar{e}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1udetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu d)(\bar{e}\gamma_\mu \nu_ au)$	\mathbf{C}
5udetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rd)(\bar{e}\nu_{\tau})$	\mathbf{C}
1pudetau	$\frac{4 \stackrel{\leftarrow}{G_F}}{\sqrt{2}} (\bar{u} P_L \gamma^\mu d) (\bar{e} \gamma_\mu \nu_ au)$	\mathbf{C}
5pudetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ld)(\bar{e} u_{ au})$	\mathbf{C}
7pudetau	$\frac{4\overleftarrow{Q_F}}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}d)(\bar{e}\sigma_{\mu\nu}\nu_{\tau})$	\mathbf{C}

udmunu

WC name	Operator	Type
1udmue	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu d)(\bar{\mu}\gamma_\mu\nu_e)$	C
5udmue	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_Rd)(\bar{\mu}\nu_e)$	\mathbf{C}
1pudmue	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu d)(\bar{\mu}\gamma_\mu\nu_e)$	\mathbf{C}
5pudmue	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_Ld)(\bar{\mu}\nu_e)$	\mathbf{C}
7pudmue	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}d)(\bar{\mu}\sigma_{\mu\nu}\nu_e)$	\mathbf{C}
1udmumu	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu d)(\bar{\mu}\gamma_\mu\nu_\mu)$	\mathbf{C}
5udmumu	$\begin{split} &\frac{4G_{F}}{\sqrt{2}}(\bar{u}P_{R}\gamma^{\mu}d)(\bar{\mu}\gamma_{\mu}\nu_{e}) \\ &\frac{4G_{F}}{\sqrt{2}}(\bar{u}P_{R}d)(\bar{\mu}\nu_{e}) \\ &\frac{4G_{F}}{\sqrt{2}}(\bar{u}P_{L}\gamma^{\mu}d)(\bar{\mu}\gamma_{\mu}\nu_{e}) \\ &\frac{4G_{F}}{\sqrt{2}}(\bar{u}P_{L}d)(\bar{\mu}\nu_{e}) \\ &\frac{4G_{F}}{\sqrt{2}}(\bar{u}P_{L}d)(\bar{\mu}\nu_{e}) \\ &\frac{4G_{F}}{\sqrt{2}}(\bar{u}P_{L}\sigma^{\mu\nu}d)(\bar{\mu}\sigma_{\mu\nu}\nu_{e}) \\ &\frac{4G_{F}}{\sqrt{2}}(\bar{u}P_{R}\gamma^{\mu}d)(\bar{\mu}\gamma_{\mu}\nu_{\mu}) \\ &\frac{4G_{F}}{\sqrt{2}}(\bar{u}P_{R}d)(\bar{\mu}\nu_{\mu}) \end{split}$	$^{\mathrm{C}}$

WC name	Operator	Type
1pudmumu	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu d)(\bar{\mu}\gamma_\mu\nu_\mu)}{\frac{4G_F}{\sqrt{2}}(\bar{u}P_L d)(\bar{\mu}\nu_\mu)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu} d)(\bar{\mu}\sigma_{\mu\nu}\nu_\mu)}{\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu d)(\bar{\mu}\gamma_\mu\nu_\tau)}$	С
5pudmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ld)(\bar{\mu}\nu_{\mu})$	\mathbf{C}
7pudmumu	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}d)(\bar{\mu}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1udmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu d)(\bar{\mu}\gamma_\mu\nu_\tau)$	\mathbf{C}
5udmutau	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_Rd)(\bar{\mu}\nu_{\tau})$	\mathbf{C}
1pudmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu d)(\bar{\mu}\gamma_\mu\nu_ au)$	\mathbf{C}
5pudmutau	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{u}P_Ld)(\bar{\mu}\nu_{\tau})$	\mathbf{C}
7pudmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}d)(\bar{\mu}\sigma_{\mu\nu}\nu_\tau)$	$^{\mathrm{C}}$

udtaunu

WC name	Operator	Type
1udtaue	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_e)$	C
5udtaue	$\frac{4\widetilde{G}_F^2}{\sqrt{2}}(\bar{u}P_Rd)(\bar{\tau}\nu_e)$	\mathbf{C}
1pudtaue	$\frac{4\widetilde{G}_F^2}{\sqrt{2}}(\bar{u}P_L\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_e)$	$^{\mathrm{C}}$
5pudtaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ld)(\bar{\tau}\nu_e)$	$^{\mathrm{C}}$
7pudtaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}d)(\bar{\tau}\sigma_{\mu\nu}\nu_e)$	$^{\mathrm{C}}$
1udtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_\mu)$	$^{\mathrm{C}}$
5udtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rd)(\bar{\tau}\nu_\mu)$	$^{\mathrm{C}}$
1pudtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_\mu)$	$^{\mathrm{C}}$
5pudtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ld)(\bar{\tau}\nu_{\mu})$	$^{\mathrm{C}}$
7pudtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}d)(\bar{\tau}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1udtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_ au)$	\mathbf{C}
5udtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rd)(\bar{\tau}\nu_{\tau})$	\mathbf{C}
1pudtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_ au)$	\mathbf{C}
5pudtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ld)(\bar{\tau}\nu_{\tau})$	$^{\mathrm{C}}$
7pudtautau	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}d)(\bar{\tau}\sigma_{\mu\nu}\nu_{\tau})$	\mathbf{C}

cdenu

WC name	Operator	Type
1cdee	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu d)(\bar{e}\gamma_\mu\nu_e)$	С
5cdee	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rd)(\bar{e}\nu_e)$	\mathbf{C}
1pcdee	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu d)(\bar{e}\gamma_\mu\nu_e)$	\mathbf{C}
5pcdee	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu d)(\bar{e}\gamma_\mu\nu_e)$ $\frac{4G_F}{\sqrt{2}}(\bar{c}P_R d)(\bar{e}\nu_e)$ $\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu d)(\bar{e}\gamma_\mu\nu_e)$ $\frac{4G_F}{\sqrt{2}}(\bar{c}P_L d)(\bar{e}\nu_e)$	С

WC name	Operator	Type
7pcdee	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{e}\sigma_{\mu\nu}\nu_e)$	C
1cdemu	$\frac{4G_F^{\Gamma}}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}d)(\bar{e}\gamma_{\mu}\nu_{\mu})$	\mathbf{C}
5cdemu	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{c}P_Rd)(\bar{e}\nu_\mu)$	\mathbf{C}
1pcdemu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu d)(\bar{e}\gamma_\mu\nu_\mu)$	\mathbf{C}
5pcdemu	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{c}P_Ld)(\bar{e} u_\mu)$	\mathbf{C}
7pcdemu	$rac{4 \check{G_F}}{\sqrt{2}} (ar{c} P_L \sigma^{\mu u} d) (ar{e} \sigma_{\mu u} u_\mu)$	\mathbf{C}
1cdetau	$\frac{4\check{G_F}}{\sqrt{2}}(\bar{c}P_R\gamma^\mu d)(\bar{e}\gamma_\mu\nu_ au)$	\mathbf{C}
5cdetau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_Rd)(\bar{e}\nu_{\tau})$	\mathbf{C}
1pcdetau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu d)(\bar{e}\gamma_\mu\nu_ au)$	$^{\mathrm{C}}$
5pcdetau	$\frac{4\check{G_F}}{\sqrt{2}}(\bar{c}P_Ld)(\bar{e} u_ au)$	\mathbf{C}
7pcdetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{e}\sigma_{\mu\nu}\nu_{\tau})$	C

cdmunu

WC name	Operator	Type
1cdmue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu d)(\bar{\mu}\gamma_\mu\nu_e)$	C
5cdmue	$\frac{4\check{G}_F^c}{\sqrt{2}}(\bar{c}P_Rd)(\bar{\mu}\nu_e)$	\mathbf{C}
1pcdmue	$\frac{4 \check{G}_F^c}{\sqrt{2}} (\bar{c} P_L \gamma^\mu d) (\bar{\mu} \gamma_\mu \nu_e)$	$^{\mathrm{C}}$
5pcdmue	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_Ld)(\bar{\mu}\nu_e)$	$^{\mathrm{C}}$
7pcdmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{\mu}\sigma_{\mu\nu}\nu_e)$	$^{\mathrm{C}}$
1cdmumu	$\frac{4\check{G}_F^c}{\sqrt{2}}(\bar{c}P_R\gamma^\mu d)(\bar{\mu}\gamma_\mu\nu_\mu)$	$^{\mathrm{C}}$
5cdmumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_Rd)(\bar{\mu} u_\mu)$	$^{\mathrm{C}}$
1pcdmumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu d)(\bar{\mu}\gamma_\mu\nu_\mu)$	$^{\mathrm{C}}$
5pcdmumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_Ld)(\bar{\mu} u_{\mu})$	$^{\mathrm{C}}$
7pcdmumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{\mu}\sigma_{\mu\nu}\nu_{\mu})$	$^{\mathrm{C}}$
1cdmutau	$\frac{4 \check{G}_F}{\sqrt{2}} (\bar{c} P_R \gamma^\mu d) (\bar{\mu} \gamma_\mu \nu_ au)$	\mathbf{C}
5cdmutau	$\frac{4 \check{G}_F}{\sqrt{2}} (\bar{c} P_R d) (\bar{\mu} \nu_{\tau})$	\mathbf{C}
1pcdmutau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu d)(\bar{\mu}\gamma_\mu u_ au)$	$^{\mathrm{C}}$
5pcdmutau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_Ld)(\bar{\mu} u_{ au})$	$^{\mathrm{C}}$
7pcdmutau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{\mu}\sigma_{\mu\nu}\nu_{\tau})$	\mathbf{C}

cdtaunu

WC name	Operator	Type
1cdtaue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_e)$	С

WC name	Operator	Type
5cdtaue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rd)(\bar{\tau}\nu_e)$	C
1pcdtaue	$\frac{4\widetilde{G}_F^2}{\sqrt{2}}(\bar{c}P_L\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_e)$	\mathbf{C}
5pcdtaue	$\frac{4\overset{\circ}{\delta_F}}{\sqrt{2}}(\bar{c}P_Ld)(\bar{\tau}\nu_e)$	\mathbf{C}
7pcdtaue	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{\tau}\sigma_{\mu\nu}\nu_e)$	$^{\mathrm{C}}$
1cdtaumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_\mu)$	$^{\mathrm{C}}$
5cdtaumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_Rd)(\bar{\tau}\nu_\mu)$	\mathbf{C}
1pcdtaumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_\mu)$	$^{\mathrm{C}}$
5pcdtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Ld)(\bar{\tau}\nu_\mu)$	$^{\mathrm{C}}$
7pcdtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{\tau}\sigma_{\mu\nu}\nu_{\mu})$	$^{\mathrm{C}}$
1cdtautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_ au)$	$^{\mathrm{C}}$
5cdtautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rd)(\bar{\tau}\nu_{\tau})$	$^{\mathrm{C}}$
1pcdtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu d)(\bar{\tau}\gamma_\mu u_ au)$	$^{\mathrm{C}}$
5pcdtautau	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{c}P_Ld)(\bar{ au} u_ au)$	$^{\mathrm{C}}$
7pcdtautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{\tau}\sigma_{\mu\nu}\nu_{\tau})$	C

sdsd

WC name	Operator	Type
1dsds	$\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_\mu P_L s)(\bar{d}\gamma^\mu P_L s)$	\overline{C}
5dsds	$\frac{4G_F}{\sqrt{2}}(\bar{d}_{lpha}P_Ls_{eta})(\bar{d}_{eta}P_Rs_{lpha})$	\mathbf{C}
2dsds	$rac{4G_F^2}{\sqrt{2}}(ar{d}P_Ls)(ar{d}P_Ls) \ rac{4G_F^2}{\sqrt{2}}(ar{d}\gamma_\mu P_Rs)(ar{d}\gamma^\mu P_Rs) \ rac{4G_F^2}{\sqrt{2}}(ar{d}_lpha P_Ls_eta)(ar{d}_eta P_Ls_lpha) \ rac{2G_F^2}{\sqrt{2}}(ar{d}_lpha P_Ls_eta)(ar{d}_eta P_Ls_lpha) \ rac{2G_F^2}{\sqrt{2}}(ar{d}_lpha P_Ls_lpha P_Ls_lpha) \ rac{2G_F^2}{\sqrt{2}}(ar{d}_lpha P_Ls_lpha P_Ls_lpha) \ \ rac{2G_F^2}{\sqrt{2}}(ar{d}_lpha P_Ls_lpha P_Ls_lpha P_Ls_lpha P_Ls_lpha) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	$^{\mathrm{C}}$
1pdsds	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}\gamma_\mu P_R s)(\bar{d}\gamma^\mu P_R s)$	\mathbf{C}
3dsds	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}_{lpha}P_Ls_{eta})(\bar{d}_{eta}P_Ls_{lpha})$	\mathbf{C}
2pdsds	$\frac{4G_F}{\sqrt{s}}(dP_Rs)(dP_Rs)$	\mathbf{C}
4dsds	$\frac{\sqrt[4]{G_F}}{\sqrt[4]{2}}(\bar{d}P_Ls)(\bar{d}P_Rs)$	\mathbf{C}
3pdsds	$rac{4 \overset{.}{G}_F}{\sqrt{2}} (ar{d}_lpha P_R s_eta) (ar{d}_eta P_R s_lpha)$	$^{\mathrm{C}}$

usenu

WC name	Operator	Type
1usee	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^{\mu}s)(\bar{e}\gamma_{\mu}\nu_e)$ $\frac{4G_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{e}\nu_e)$ $\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}s)(\bar{e}\gamma_{\mu}\nu_e)$ $\frac{4G_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{e}\nu_e)$	С
5usee	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{e}\nu_e)$	\mathbf{C}
1pusee	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}s)(\bar{e}\gamma_{\mu}\nu_e)$	\mathbf{C}
5pusee	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{e}\nu_e)$	\mathbf{C}
7pusee	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\nu_e)$	\mathbf{C}

WC name	Operator	Type
1usemu	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu s)(\bar{e}\gamma_\mu\nu_\mu)$	С
5usemu	$rac{4G_F}{\sqrt{2}}(ar{u}P_Rs)(ar{e} u_\mu)$	\mathbf{C}
1pusemu	$\frac{4\overleftarrow{Q_F}}{\sqrt{2}}(\bar{u}P_L\gamma^\mu s)(\bar{e}\gamma_\mu u_\mu)$	\mathbf{C}
5pusemu	$rac{4G_F}{\sqrt{2}}(ar{u}P_L\gamma^\mu s)(ar{e}\gamma_\mu u_\mu) \ rac{4G_F}{\sqrt{2}}(ar{u}P_L s)(ar{e} u_\mu) \ \ rac{4G_F}{\sqrt{2}}(ar{u}P_L s)(ar{e} u_\mu) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	\mathbf{C}
7pusemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu u}s)(\bar{e}\sigma_{\mu u} u_\mu)$	$^{\mathrm{C}}$
1usetau	$rac{4reve{G_F}}{\sqrt{2}}(ar{u}P_R\gamma^\mu s)(ar{e}\gamma_\mu u_ au)$	\mathbf{C}
5usetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{e} u_{ au})$	\mathbf{C}
1pusetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu s)(\bar{e}\gamma_\mu u_ au)$	\mathbf{C}
5pusetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{e} u_ au)$	\mathbf{C}
7pusetau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\nu_{ au})$	С

usmunu

WC name	Operator	Type
1usmue	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_e)$	C
5usmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\mu}\nu_e)$	\mathbf{C}
1pusmue	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_e)$	\mathbf{C}
5pusmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\mu}\nu_e)$	\mathbf{C}
7pusmue	$\frac{4\overset{C}{G_F}}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\nu_e)$	\mathbf{C}
1usmumu	$\frac{4\overset{A}{G_F}}{\sqrt{2}}(\bar{u}P_R\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_{\mu})$	\mathbf{C}
5usmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\mu}\nu_{\mu})$	\mathbf{C}
1pusmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_{\mu})$	\mathbf{C}
5pusmumu	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\mu}\nu_{\mu})$	\mathbf{C}
7pusmumu	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1usmutau	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu s)(\bar{\mu}\gamma_\mu\nu_\tau)$	\mathbf{C}
5usmutau	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\mu}\nu_{\tau})$	\mathbf{C}
1pusmutau	$\frac{4\widetilde{G}_F^2}{\sqrt{2}}(\bar{u}P_L\gamma^\mu s)(\bar{\mu}\gamma_\mu\nu_ au)$	\mathbf{C}
5pusmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\mu}\nu_{\tau})$	\mathbf{C}
7pusmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\nu_\tau)$	\mathbf{C}

${\tt ustaunu}$

WC name	Operator	Type
1ustaue	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu s)(\bar{\tau}\gamma_\mu\nu_e)$	С
5ustaue	$\frac{4\overleftarrow{S}_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\tau}\nu_e)$	\mathbf{C}

WC name	Operator	Type
1pustaue	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}s)(\bar{\tau}\gamma_{\mu}\nu_e)$	C
5pustaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\tau}\nu_e)$	$^{\mathrm{C}}$
7pustaue	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\nu_e)$	$^{\mathrm{C}}$
1ustaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu s)(\bar{\tau}\gamma_\mu\nu_\mu)$	$^{\mathrm{C}}$
5ustaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\tau}\nu_\mu)$	$^{\mathrm{C}}$
1pustaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}s)(\bar{\tau}\gamma_{\mu}\nu_{\mu})$	\mathbf{C}
5pustaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\tau}\nu_{\mu})$	\mathbf{C}
7pustaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1ustautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu s)(\bar{\tau}\gamma_\mu\nu_ au)$	\mathbf{C}
5ustautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\tau} u_{ au})$	\mathbf{C}
1pustautau	$\frac{4\widetilde{G}_F^2}{\sqrt{2}}(\bar{u}P_L\gamma^\mu s)(\bar{\tau}\gamma_\mu u_ au)$	\mathbf{C}
5pustautau	$\frac{4\widetilde{G}_F^2}{\sqrt{2}}(\bar{u}P_L s)(\bar{\tau} u_{ au})$	\mathbf{C}
7pustautau	$\frac{4\overleftarrow{G_F}}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\nu_{\tau})$	$^{\mathrm{C}}$

csenu

WC name	Operator	Type
1csee	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}s)(\bar{e}\gamma_{\mu}\nu_e)$	C
5csee	$\frac{4\overleftarrow{G}_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{e}\nu_e)$	\mathbf{C}
1pcsee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}s)(\bar{e}\gamma_{\mu}\nu_e)$	\mathbf{C}
5pcsee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{e}\nu_e)$	\mathbf{C}
7pcsee	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\nu_e)$	\mathbf{C}
1csemu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu s)(\bar{e}\gamma_\mu \nu_\mu)$	\mathbf{C}
5csemu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{e}\nu_\mu)$	\mathbf{C}
1pcsemu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu s)(\bar{e}\gamma_\mu\nu_\mu)$	\mathbf{C}
5pcsemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{e}\nu_\mu)$	\mathbf{C}
7pcsemu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1csetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}s)(\bar{e}\gamma_{\mu}\nu_{\tau})$	\mathbf{C}
5csetau	$\frac{4\overleftarrow{G}_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{e}\nu_{\tau})$	\mathbf{C}
1pcsetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}s)(\bar{e}\gamma_{\mu}\nu_{\tau})$	\mathbf{C}
5pcsetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{e}\nu_{\tau})$	\mathbf{C}
7pcsetau	$\frac{4\widetilde{Q}_F}{\sqrt{2}}(ar{c}P_L\sigma^{\mu u}s)(ar{e}\sigma_{\mu u} u_ au)$	\mathbf{C}

csmunu

WC name	Operator	Type
1csmue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_e)$	C
5csmue	$\frac{4\ddot{Q}_F^2}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\mu}\nu_e)$	\mathbf{C}
1pcsmue	$\frac{4\overleftarrow{Q_F}}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_e)$	$^{\mathrm{C}}$
5pcsmue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L s)(\bar{\mu}\nu_e)$	$^{\mathrm{C}}$
7pcsmue	$\frac{4\widetilde{Q}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\nu_e)$	$^{\mathrm{C}}$
1csmumu	$\frac{4\widetilde{G_F}}{\sqrt{2}}(\bar{c}P_R\gamma^\mu s)(\bar{\mu}\gamma_\mu \nu_\mu)$	$^{\mathrm{C}}$
5csmumu	$rac{4rac{Q}F}{\sqrt{2}}(ar{c}P_Rs)(ar{\mu} u_\mu)$	$^{\mathrm{C}}$
1pcsmumu	$\frac{4\check{G_F}}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_{\mu})$	$^{\mathrm{C}}$
5pcsmumu	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{c} P_L s) (\bar{\mu} \nu_{\mu})$	$^{\mathrm{C}}$
7pcsmumu	$\frac{4\check{G_F}}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\nu_{\mu})$	$^{\mathrm{C}}$
1csmutau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu s)(\bar{\mu}\gamma_\mu\nu_ au)$	$^{\mathrm{C}}$
5csmutau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\mu}\nu_{\tau})$	$^{\mathrm{C}}$
1pcsmutau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu s)(\bar{\mu}\gamma_\mu u_ au)$	$^{\mathrm{C}}$
5pcsmutau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{\mu} u_{ au})$	$^{\mathrm{C}}$
7pcsmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\nu_{ au})$	C

${\tt cstaunu}$

WC name	Operator	Type
1cstaue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}s)(\bar{\tau}\gamma_{\mu}\nu_e)$	C
5cstaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\tau}\nu_e)$	\mathbf{C}
1pcstaue	$\frac{4\tilde{G}_{F}}{\sqrt{2}}(ar{c}P_{L}\gamma^{\mu}s)(ar{ au}\gamma_{\mu} u_{e})$	\mathbf{C}
5pcstaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{\tau}\nu_e)$	$^{\mathrm{C}}$
7pcstaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\nu_e)$	$^{\mathrm{C}}$
1cstaumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu s)(\bar{\tau}\gamma_\mu\nu_\mu)$	$^{\mathrm{C}}$
5cstaumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\tau}\nu_\mu)$	$^{\mathrm{C}}$
1pcstaumu	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu s)(\bar{\tau}\gamma_\mu u_\mu)$	$^{\mathrm{C}}$
5pcstaumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{\tau}\nu_\mu)$	C
7pcstaumu	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\nu_{\mu})$	$^{\mathrm{C}}$
1cstautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu s)(\bar{\tau}\gamma_\mu\nu_ au)$	$^{\mathrm{C}}$
5cstautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\tau}\nu_{\tau})$	$^{\mathrm{C}}$
1pcstautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu s)(\bar{\tau}\gamma_\mu \nu_ au)$	$^{\mathrm{C}}$
5pcstautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{\tau}\nu_{\tau})$	$^{\mathrm{C}}$
7pcstautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\nu_\tau)$	C

sdcu

WC name	Operator	Type
1dsuc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{u}\gamma^\mu c)$	C
2dsuc	$\frac{4\tilde{Q}_F^C}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^As)(\bar{u}\gamma^\mu T^Ac)$	\mathbf{C}
3dsuc	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{u}\gamma^{\mu\nu\rho}c)$	\mathbf{C}
4dsuc	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^As)(\bar{u}\gamma^{\mu\nu\rho}T^Ac)$	\mathbf{C}
5dsuc	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{u}c)$	\mathbf{C}
6dsuc	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_RT^As)(\bar{u}T^Ac)$	\mathbf{C}
7dsuc	$\frac{4 \overleftarrow{Q_F}}{\sqrt{2}} (\bar{d} P_R \sigma^{\mu \nu} s) (\bar{u} \sigma_{\mu \nu} c)$	\mathbf{C}
8dsuc	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^As)(\bar{u}\sigma_{\mu\nu}T^Ac)$	\mathbf{C}
9dsuc	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}c)$	\mathbf{C}
10dsuc	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Ac)$	\mathbf{C}
1pdsuc	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{u}\gamma^\mu c)$	\mathbf{C}
2pdsuc	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^As)(\bar{u}\gamma^\mu T^Ac)$	\mathbf{C}
3pdsuc	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{u}\gamma^{\mu\nu\rho}c)$	\mathbf{C}
4pdsuc	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{u}\gamma^{\mu\nu\rho}T^Ac)$	\mathbf{C}
5pdsuc	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{u}c)$	\mathbf{C}
6pdsuc	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_LT^As)(\bar{u}T^Ac)$	\mathbf{C}
7pdsuc	$\frac{4\overleftarrow{G_F}}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{u}\sigma_{\mu\nu}c)$	\mathbf{C}
8pdsuc	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{u}\sigma_{\mu\nu}T^Ac)$	\mathbf{C}
9pdsuc	$\frac{4 \overleftarrow{Q_F}}{\sqrt{2}} (\bar{d} P_L \gamma_{\mu\nu\rho\sigma} s) (\bar{u} \gamma^{\mu\nu\rho\sigma} c)$	\mathbf{C}
10pdsuc	$\frac{4\tilde{Y}_{\sigma F}^{F}}{\sqrt{2}}(\bar{d}P_{L}\gamma_{\mu\nu\rho\sigma}T^{A}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^{A}c)$	\mathbf{C}

sduc

WC name	Operator	Type
1dscu	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{c}\gamma^\mu u)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^A s)(\bar{c}\gamma^\mu T^A u)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{c}\gamma^{\mu\nu\rho}u)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^A s)(\bar{c}\gamma^{\mu\nu\rho}T^A u)}$	С
2dscu	$\frac{4\tilde{G}_F^{\mathcal{F}}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu}T^As)(\bar{c}\gamma^{\mu}T^Au)$	\mathbf{C}
3dscu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{c}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
4dscu	$\frac{4\tilde{G}_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^As)(\bar{c}\gamma^{\mu\nu\rho}T^Au)$	\mathbf{C}
5dscu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{c}u)$	\mathbf{C}
6dscu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_RT^As)(\bar{c}T^Au)$	\mathbf{C}
7dscu	$\frac{4\overleftarrow{\delta r_F}}{\sqrt{2}}(ar{d}P_R\sigma^{\mu u}s)(ar{c}\sigma_{\mu u}u)$	\mathbf{C}
8dscu	$\frac{4G_F}{\sqrt{c}}(dP_R\sigma^{\mu\nu}T^As)(\bar{c}\sigma_{\mu\nu}T^Au)$	\mathbf{C}
9dscu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
10dscu	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}u)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^As)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Au)}$	\mathbf{C}

WC name	Operator	Type
1pdscu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{c}\gamma^\mu u)$	C
2pdscu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^A s)(\bar{c}\gamma^\mu T^A u)$	\mathbf{C}
3pdscu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{c}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
4pdscu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{c}\gamma^{\mu\nu\rho}T^Au)$	\mathbf{C}
5pdscu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{c}u)$	\mathbf{C}
6pdscu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_LT^As)(\bar{c}T^Au)$	\mathbf{C}
7pdscu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{c}\sigma_{\mu\nu}u)$	\mathbf{C}
8pdscu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{c}\sigma_{\mu\nu}T^Au)$	\mathbf{C}
9pdscu	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
10pdscu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}u)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Au)$	С

sd

WC name	Operator	Type
7gammads	$\frac{4G_F}{\sqrt{2}}\frac{e}{a^2}m_s(\bar{d}P_R\sigma_{\mu\nu}s)F^{\mu\nu}$	C
8gds	$\frac{4\overset{Q^2}{Q_F}}{\sqrt{2}}\frac{g_s}{g_s}m_s(ar{d}P_R\sigma_{\mu u}T^As)G_A^{\mu u}$	\mathbf{C}
7pgammads	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}\frac{\tilde{q}_s^2}{q^2}m_s(\bar{d}P_L\sigma_{\mu\nu}s)F^{\mu\nu}$	\mathbf{C}
8pgds	$\frac{4\overset{Q^{r}}{Q_{F}}}{\sqrt{2}}\frac{J_{s}^{s}}{q_{s}}m_{s}(\bar{d}P_{L}\sigma_{\mu\nu}T^{A}s)G_{A}^{\mu\nu}$	\mathbf{C}
1dsuu	$\frac{4\overset{C}{Q_F}}{\sqrt{2}}(\overset{\circ}{d}P_R\gamma_\mu s)(\bar{u}\gamma^\mu u)$	\mathbf{C}
2dsuu	$\frac{4\overset{Y}{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^As)(\bar{u}\gamma^\mu T^Au)$	\mathbf{C}
3dsuu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{u}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
4dsuu	$\frac{4\overset{Y_{G_F}}{\sqrt{2}}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^As)(\bar{u}\gamma^{\mu\nu\rho}T^Au)$	\mathbf{C}
5dsuu	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_Rs)(\bar{u}u)$	\mathbf{C}
6dsuu	$\frac{4\overset{C}{G_F}}{\sqrt{2}}(\bar{d}P_RT^As)(\bar{u}T^Au)$	\mathbf{C}
7dsuu	$\frac{4\overset{V_{G}}{G_{F}}}{\sqrt{2}}(\bar{d}P_{R}\sigma^{\mu\nu}s)(\bar{u}\sigma_{\mu\nu}u)$	\mathbf{C}
8dsuu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^As)(\bar{u}\sigma_{\mu\nu}T^Au)$	\mathbf{C}
9dsuu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
10dsuu	$\frac{4\overset{Y}{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au)$	\mathbf{C}
1pdsuu	$rac{4\overset{f Y}{G_F}}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{u}\gamma^\mu u)$	\mathbf{C}
2pdsuu	$\frac{4\overset{YG_F}{\sqrt{2}}}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^As)(\bar{u}\gamma^\mu T^Au)$	\mathbf{C}
3pdsuu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{u}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
4pdsuu	$\frac{4\overset{Y_{G_F}}{\sqrt{2}}}{(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{u}\gamma^{\mu\nu\rho}T^Au)}$	\mathbf{C}
5pdsuu	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_L s)(\bar{u}u)$	\mathbf{C}
6pdsuu	$\frac{4\overset{C}{G_F}}{\sqrt{2}}(\bar{d}P_LT^As)(\bar{u}T^Au)$	\mathbf{C}
7pdsuu	$\frac{4G_F}{\sqrt{2}}(ar{d}P_L\sigma^{\mu u}s)(ar{u}\sigma_{\mu u}u)$	\mathbf{C}
8pdsuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{u}\sigma_{\mu\nu}T^Au)$	\mathbf{C}

WC name	Operator	Type
9pdsuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	С
10pdsuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au)$	\mathbf{C}
1dscc	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{c}\gamma^\mu c)$	$^{\mathrm{C}}$
2dscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^A s)(\bar{c}\gamma^\mu T^A c)$	\mathbf{C}
3dscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{c}\gamma^{\mu\nu\rho}c)$	\mathbf{C}
4dscc	$rac{4G_F}{\sqrt{2}}(ar{d}P_R\gamma_{\mu u ho}T^As)(ar{c}\gamma^{\mu u ho}T^Ac)$	\mathbf{C}
5dscc	$\frac{4G_F}{\sqrt{2}}(dP_R s)(\bar{c}c)$	\mathbf{C}
6dscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_RT^As)(\bar{c}T^Ac)$	\mathbf{C}
7dscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{c}\sigma_{\mu\nu}c)$	\mathbf{C}
8dscc	$\frac{4\bar{G_F}}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^As)(\bar{c}\sigma_{\mu\nu}T^Ac)$	\mathbf{C}
9dscc	$\frac{4\bar{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)$	\mathbf{C}
10dscc	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^As)(\bar{c}\sigma_{\mu\nu}T^Ac)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^As)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^As)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)}$	\mathbf{C}
1pdscc	$\frac{4G_F}{\sqrt{2}}(dP_L\gamma_\mu s)(\bar{c}\gamma^\mu c)$	\mathbf{C}
2pdscc	$\frac{4\ddot{Q}_F^2}{\sqrt{2}}(ar{d}P_L\gamma_\mu T^As)(ar{c}\gamma^\mu T^Ac)$	\mathbf{C}
3pdscc	$\frac{4G_F}{\sqrt{2}}(dP_L\gamma_{\mu\nu\rho}s)(\bar{c}\gamma^{\mu\nu\rho}c)$	$^{\mathrm{C}}$
4pdscc	$\frac{4\bar{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{c}\gamma^{\mu\nu\rho}T^Ac)$	$^{\mathrm{C}}$
5pdscc	$rac{4ar{G_F}}{\sqrt{2}}(ar{d}P_Ls)(ar{c}c)$	$^{\mathrm{C}}$
6pdscc	$\frac{4\bar{G_F}}{\sqrt{2}}(\bar{d}P_LT^As)(\bar{c}T^Ac)$	$^{\mathrm{C}}$
7pdscc	$rac{4 \overleftarrow{G}_F}{\sqrt{2}} (ar{d} P_L \sigma^{\mu u} s) (ar{c} \sigma_{\mu u} c)$	\mathbf{C}
8pdscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{c}\sigma_{\mu\nu}T^Ac)$	$^{\mathrm{C}}$
9pdscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)$	$^{\mathrm{C}}$
10pdscc	$\frac{{}^{4G_F}_{F}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{c}\sigma_{\mu\nu}T^Ac)}{{}^{4G_F}_{V}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)}$ $\frac{{}^{4G_F}_{V}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)}{{}^{4G_F}_{V}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)}$	$^{\mathrm{C}}$
1dsss	$\frac{4G_F}{\sqrt{2}}(dP_R\gamma_\mu s)(\bar{s}\gamma^\mu s)$	\mathbf{C}
3dsss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{s}\gamma^{\mu\nu\rho}s)$	\mathbf{C}
5dsss	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{s}\gamma^{\mu\nu\rho}s)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{s}s)}$	\mathbf{C}
7dsss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{s}\sigma_{\mu\nu}s) \\ \frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)$	$^{\mathrm{C}}$
9dsss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)$	\mathbf{C}
1pdsss	$\frac{4G_F}{\sqrt{2}}(dP_L\gamma_\mu s)(\bar{s}\gamma^\mu s)$	\mathbf{C}
3pdsss	$rac{4 ar{G}_F}{\sqrt{2}} (ar{d} P_L \gamma_{\mu u ho} s) (ar{s} \gamma^{\mu u ho} s)$	\mathbf{C}
5pdsss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{s}s)$	\mathbf{C}
7pdsss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{s}\sigma_{\mu\nu}s)$	\mathbf{C}
9pdsss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)$	\mathbf{C}
1dsdd	$rac{4 G_F}{\sqrt{2}} (ar{d} \gamma_\mu P_L s) (ar{d} \gamma^\mu d)$	\mathbf{C}
1pdsdd	$rac{4 G_F}{\sqrt{2}} (ar{d} \gamma_\mu P_R s) (ar{d} \gamma^\mu d)$	\mathbf{C}
3dsdd	$\frac{4\dot{G}_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho}P_Ls)(\bar{d}\gamma^{\mu\nu\rho}d)$	\mathbf{C}
3pdsdd	$\frac{\frac{4G_F}{\sqrt{2}}(dP_L\gamma_{\mu\nu\rho}s)(s\gamma^{\mu\nu\rho}s)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{s}s)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{s}\sigma_{\mu\nu}s)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu}P_Ls)(\bar{d}\gamma^{\mu}d)}{\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu}P_Rs)(\bar{d}\gamma^{\mu}d)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho}P_Ls)(\bar{d}\gamma^{\mu\nu\rho}d)}{\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho}P_Rs)(\bar{d}\gamma^{\mu\nu\rho}d)}$ $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho}P_Rs)(\bar{d}\gamma^{\mu\nu\rho}d)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{d}d)$	\mathbf{C}
5dsdd	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}P_Ls)(\bar{d}d)$	\mathbf{C}

WC name	Operator	Type
5pdsdd	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{d}d)$	C
7dsdd	$\frac{4\ddot{G}_F^2}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Ls)(\bar{d}\sigma_{\mu\nu}d)$	$^{\mathrm{C}}$
7pdsdd	$\frac{4G_F^2}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Rs)(\bar{d}\sigma_{\mu\nu}d)$	$^{\mathrm{C}}$
9dsdd	$\frac{4G_F^2}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Ls)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)$	$^{\mathrm{C}}$
9pdsdd	$ \frac{\frac{4G_F}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Rs)(\bar{d}\sigma_{\mu\nu}d)}{\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Ls)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)} \frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Rs)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) $	\mathbf{C}
1dsee	$rac{4\ddot{G}_F}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{e}\gamma^\mu e)$	\mathbf{C}
1pdsee	$rac{4rac{Q_F}{\sqrt{2}}}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{e}\gamma^\mu e)$	\mathbf{C}
3dsee	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu u ho}s)(\bar{e}\gamma^{\mu u ho}e)$	\mathbf{C}
3pdsee	$\frac{4G_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
5dsee	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{e}e)$	\mathbf{C}
5pdsee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L s)(\bar{e}e)$	$^{\mathrm{C}}$
7dsee	$\frac{4\ddot{G}_{F}}{\bar{G}}(\bar{d}P_{R}\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}e)$	$^{\mathrm{C}}$
7pdsee	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}e)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)}$	\mathbf{C}
9dsee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)$	$^{\mathrm{C}}$
9pdsee	$\frac{4G_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)$	$^{\mathrm{C}}$
1dsmumu	$\frac{4\overleftarrow{G}_F}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{\mu}\gamma^\mu\mu)$	$^{\mathrm{C}}$
1pdsmumu	$rac{4reve{Q_F}}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{\mu}\gamma^\mu\mu)$	$^{\mathrm{C}}$
3dsmumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{\mu}\gamma^{\mu\nu\rho}\mu)$	$^{\mathrm{C}}$
3pdsmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{\mu}\gamma^{\mu\nu\rho}\mu)$	$^{\mathrm{C}}$
5dsmumu	$\frac{4\tilde{G}_F^c}{\sqrt{2}}(\bar{d}P_Rs)(\bar{\mu}\mu)$	$^{\mathrm{C}}$
5pdsmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{\mu}\mu)$	\mathbf{C}
7dsmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\mu)$	\mathbf{C}
7pdsmumu	$\frac{\frac{4\vec{Q}_F^2}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\mu)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\mu)}$	$^{\mathrm{C}}$
9dsmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\mu)$	$^{\mathrm{C}}$
9pdsmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\mu)$	$^{\mathrm{C}}$
1dstautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\tau}\gamma^\mu au)$	\mathbf{C}
1pdstautau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{\tau}\gamma^\mu\tau)$	\mathbf{C}
3dstautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{\tau}\gamma^{\mu\nu\rho}\tau)$	$^{\mathrm{C}}$
3pdstautau	$\frac{{}^{4}\!$	\mathbf{C}
5dstautau	$\frac{4G_F}{dP_D}(\bar{d}P_Ds)(\bar{\tau}\tau)$	\mathbf{C}
5pdstautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{\tau} au)$	\mathbf{C}
7dstautau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\tau)$	$^{\mathrm{C}}$
7pdstautau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\tau)$	\mathbf{C}
9dstautau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\tau)$	\mathbf{C}
9pdstautau	$ \frac{4G_F}{\sqrt{2}}(\bar{d}P_L s)(\bar{\tau}\tau) \frac{4G_F}{\sqrt{2}}(\bar{d}P_R \sigma^{\mu\nu} s)(\bar{\tau}\sigma_{\mu\nu}\tau) \frac{4G_F}{\sqrt{2}}(\bar{d}P_L \sigma^{\mu\nu} s)(\bar{\tau}\sigma_{\mu\nu}\tau) \frac{4G_F}{\sqrt{2}}(\bar{d}P_R \gamma_{\mu\nu\rho\sigma} s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\tau) \frac{4G_F}{\sqrt{2}}(\bar{d}P_L \gamma_{\mu\nu\rho\sigma} s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\tau) $	$^{\mathrm{C}}$

sdmue

WC name	Operator	Type
1dsemu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{e}\gamma^\mu\mu)$	C
1pdsemu	$\frac{4G_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{e}\gamma^\mu\mu)$	$^{\mathrm{C}}$
3dsemu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}\mu)$	$^{\mathrm{C}}$
3pdsemu	$\frac{4\check{G}_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}\mu)$	\mathbf{C}
5dsemu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{e}\mu)$	$^{\mathrm{C}}$
5pdsemu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{e}\mu)$	$^{\mathrm{C}}$
7dsemu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\mu)$	$^{\mathrm{C}}$
7pdsemu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\mu)$	\mathbf{C}
9dsemu	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)$	\mathbf{C}
9pdsemu	$\frac{4G_F^{\Gamma}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)$	С

sdtaue

WC name	Operator	Type
1dsetau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{e}\gamma^\mu\tau)$	C
1pdsetau	$rac{4G_F}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{e}\gamma^\mu au) \ rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{e}\gamma^\mu au)$	\mathbf{C}
3dsetau	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}\tau)$	$^{\mathrm{C}}$
3pdsetau	$rac{4 \stackrel{.}{G_F}}{\sqrt{2}} (ar{d} P_R \gamma_{\mu u ho} s) (ar{e} \gamma^{\mu u ho} au) \ rac{4 \stackrel{.}{G_F}}{\sqrt{2}} (ar{d} P_L \gamma_{\mu u ho} s) (ar{e} \gamma^{\mu u ho} au)$	\mathbf{C}
5dsetau	$rac{4\check{G}_{F}}{\sqrt{2}}(ar{d}P_{R}s)(ar{e} au)$	\mathbf{C}
5pdsetau	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}P_Ls)(\bar{e} au)$	\mathbf{C}
7dsetau	$rac{4G_F}{\sqrt{2}}(ar{d}P_L s)(ar{e} au) \ rac{4G_F}{\sqrt{2}}(ar{d}P_R \sigma^{\mu u} s)(ar{e}\sigma_{\mu u} au)$	\mathbf{C}
7pdsetau	$\frac{4G_F}{\bar{\epsilon}}(dP_T\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\tau)$	\mathbf{C}
9dsetau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}\tau)$	\mathbf{C}
9pdsetau	$\frac{\frac{\sqrt{2}}{4G_F}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}\tau)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}\tau)}$	\mathbf{C}

sdemu

WC name	Operator	Type
1dsmue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\mu}\gamma^\mu e)$	С
1pdsmue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\mu}\gamma^\mu e)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{\mu}\gamma^\mu e)$	\mathbf{C}
3dsmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{\mu}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
3pdsmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{\mu}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
5dsmue	$ \frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{\mu}\gamma^{\mu\nu\rho}e)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{\mu}\gamma^{\mu\nu\rho}e)} \\ \frac{4G_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{\mu}e) $	\mathbf{C}

WC name	Operator	Type
5pdsmue	$ \frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L s)(\bar{\mu}e)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R \sigma^{\mu\nu} s)(\bar{\mu}\sigma_{\mu\nu}e)} $ $ \frac{4G_F}{\sqrt{2}}(\bar{d}P_L \sigma^{\mu\nu} s)(\bar{\mu}\sigma_{\mu\nu}e) $	C
7dsmue	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}e)$	\mathbf{C}
7pdsmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}e)$	\mathbf{C}
9dsmue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}e)$	\mathbf{C}
9pdsmue	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}e)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}e)}$	С

${\tt sdtaumu}$

WC name	Operator	Type
1dsmutau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\mu}\gamma^\mu au)$	С
1pdsmutau	$rac{4\widetilde{G}_F^2}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{\mu}\gamma^\mu au)$	$^{\mathrm{C}}$
3dsmutau	$rac{4reve{G_F}}{\sqrt{2}}(ar{d}P_R\gamma_{\mu u ho}s)(ar{\mu}\gamma^{\mu u ho} au)$	$^{\mathrm{C}}$
3pdsmutau	$rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_{\mu u ho}s)(ar{\mu}\gamma^{\mu u ho} au)$	$^{\mathrm{C}}$
5dsmutau	$\frac{4\widetilde{G_F}}{\sqrt{2}}(\bar{d}P_Rs)(\bar{\mu}\tau)$	$^{\mathrm{C}}$
5pdsmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{\mu} au)$	$^{\mathrm{C}}$
7dsmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\tau)$	$^{\mathrm{C}}$
7pdsmutau	$rac{4 reve{G_F}}{\sqrt{2}} (ar{d} P_L \sigma^{\mu u} s) (ar{\mu} \sigma_{\mu u} au)$	$^{\mathrm{C}}$
9dsmutau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\tau)$	$^{\mathrm{C}}$
9pdsmutau	$\frac{\frac{\sqrt{2}}{4G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\tau)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\tau)$	\mathbf{C}

sdetau

WC name	Operator	Type
1dstaue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\tau}\gamma^\mu e)$	C
1pdstaue	$\frac{\frac{4\ddot{G}_{F}}{\sqrt{2}}(\bar{d}P_{L}\gamma_{\mu}s)(\bar{\tau}\gamma^{\mu}e)}{\frac{4\ddot{G}_{F}}{\sqrt{2}}(\bar{d}P_{R}\gamma_{\mu\nu\rho}s)(\bar{\tau}\gamma^{\mu\nu\rho}e)}$ $\frac{\frac{4\ddot{G}_{F}}{\sqrt{2}}(\bar{d}P_{L}\gamma_{\mu\nu\rho}s)(\bar{\tau}\gamma^{\mu\nu\rho}e)}{\frac{4\ddot{G}_{F}}{\sqrt{2}}(\bar{d}P_{L}\gamma_{\mu\nu\rho}s)(\bar{\tau}\gamma^{\mu\nu\rho}e)}$	\mathbf{C}
3dstaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{\tau}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
3pdstaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{\tau}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
5dstaue	$\frac{4G_F}{\overline{c}}(dP_P s)(\bar{\tau}e)$	\mathbf{C}
5pdstaue	$\frac{\sqrt{2}}{\sqrt{2}}(ar{d}P_Ls)(ar{ au}e)$	\mathbf{C}
7dstaue	$\frac{4G_F}{\sqrt{2}}(dP_R\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}e)$	\mathbf{C}
7pdstaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{ au}\sigma_{\mu\nu}e)$	\mathbf{C}
9dstaue	$\frac{4\tilde{G}_{F}}{\sqrt{2}}(\bar{d}P_{R}\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)$	\mathbf{C}
9pdstaue	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}e)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)}$	\mathbf{C}

sdmutau

WC name	Operator	Type
1dstaumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\tau}\gamma^\mu\mu)$	C
1pdstaumu	$rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{ au}\gamma^\mu\mu)$	\mathbf{C}
3dstaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{\tau}\gamma^{\mu\nu\rho}\mu)$	\mathbf{C}
3pdstaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{\tau}\gamma^{\mu\nu\rho}\mu)$	\mathbf{C}
5dstaumu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{\tau}\mu)$	\mathbf{C}
5pdstaumu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{\tau}\mu)$	\mathbf{C}
7dstaumu	$rac{4 reve{G}_F}{\sqrt{2}} (ar{d} P_R \sigma^{\mu u} s) (ar{ au} \sigma_{\mu u} \mu)$	\mathbf{C}
7pdstaumu	$rac{4 \widetilde{Q}_F^2}{\sqrt{2}} (ar{d} P_L \sigma^{\mu u} s) (ar{ au} \sigma_{\mu u} \mu)$	\mathbf{C}
9dstaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)$	$^{\mathrm{C}}$
9pdstaumu	$\frac{4\tilde{G}_F^c}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)$	С

sdnunu

WC name	Operator	Type
nu1dsee	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\nu}_e\gamma^\mu\nu_e)$	C
nu1pdsee	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{d} P_L \gamma_\mu s) (\bar{\nu}_e \gamma^\mu \nu_e)$	\mathbf{C}
nu1dsmumu	$rac{4reve{Q_F}}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{ u}_\mu\gamma^\mu u_\mu)$	\mathbf{C}
nu1pdsmumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{ u}_\mu\gamma^\mu u_\mu)$	\mathbf{C}
nu1dstautau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\nu}_\tau\gamma^\mu\nu_ au)$	\mathbf{C}
nu1pdstautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{\nu}_ au\gamma^\mu u_ au)$	\mathbf{C}
nu1dsemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\nu}_e\gamma^\mu\nu_\mu)$	\mathbf{C}
nu1pdsemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{\nu}_e\gamma^\mu u_\mu)$	\mathbf{C}
nu1dsmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{ u}_\mu\gamma^\mu u_e)$	\mathbf{C}
nu1pdsmue	$rac{4reve{Q}_F^{F}}{\sqrt{2}}(ar{d}P_L\gamma_{\mu}s)(ar{ u}_{\mu}\gamma^{\mu} u_e)$	\mathbf{C}
nu1dsetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\nu}_e\gamma^\mu u_ au)$	\mathbf{C}
nu1pdsetau	$\frac{4 \widetilde{G_F}}{\sqrt{2}} (\bar{d} P_L \gamma_\mu s) (\bar{ u}_e \gamma^\mu u_ au)$	\mathbf{C}
nu1dstaue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\nu}_\tau\gamma^\mu\nu_e)$	\mathbf{C}
nu1pdstaue	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{ u}_ au\gamma^\mu u_e)$	\mathbf{C}
nu1dstaumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\nu}_\tau\gamma^\mu\nu_\mu)$	\mathbf{C}
nu1pdstaumu	$rac{4 \overleftarrow{G_F}}{\sqrt{2}} (ar{d} P_L \gamma_\mu s) (ar{ u}_ au \gamma^\mu u_\mu)$	\mathbf{C}
nu1dsmutau	$rac{4ar{G}_F}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{ u}_\mu\gamma^\mu u_ au)$	\mathbf{C}
nu1pdsmutau	$rac{4 \overleftarrow{\zeta_{F}}}{\sqrt{2}} (ar{d} P_L \gamma_\mu s) (ar{ u}_\mu \gamma^\mu u_ au)$	$^{\mathrm{C}}$

cucu

WC name	Operator	Type
1cucu	$\frac{4G_F}{\sqrt{2}}(\bar{c}\gamma_\mu P_L u)(\bar{c}\gamma^\mu P_L u)$	C
5cucu	$\frac{4\overleftarrow{G_F}}{\sqrt{2}}(\bar{c}_{\alpha}P_Lu_{\beta})(\bar{c}_{\beta}P_Ru_{\alpha})$	\mathbf{C}
2cucu	$\frac{4\overleftarrow{G}_F}{\sqrt{2}}(\bar{c}P_Lu)(\bar{c}P_Lu)$	$^{\mathrm{C}}$
1pcucu	$\frac{4\overleftarrow{G_F}}{\sqrt{2}}(\bar{c}\gamma_{\mu}P_Ru)(\bar{c}\gamma^{\mu}P_Ru)$	$^{\mathrm{C}}$
3cucu	$\frac{4\overleftarrow{G_F}}{\sqrt{2}}(\bar{c}_{\alpha}P_Lu_{\beta})(\bar{c}_{\beta}P_Lu_{\alpha})$	$^{\mathrm{C}}$
2pcucu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Ru)(\bar{c}P_Ru)$	$^{\mathrm{C}}$
4cucu	$\frac{4\overleftarrow{G_F}}{\sqrt{2}}(\bar{c}P_Lu)(\bar{c}P_Ru)$	$^{\mathrm{C}}$
3pcucu	$\begin{array}{l} \frac{4G_F}{\sqrt{2}}(\bar{c}\gamma_\mu P_L u)(\bar{c}\gamma^\mu P_L u) \\ \frac{4G_F}{\sqrt{2}}(\bar{c}_\alpha P_L u_\beta)(\bar{c}_\beta P_R u_\alpha) \\ \frac{4G_F}{\sqrt{2}}(\bar{c}P_L u)(\bar{c}P_L u) \\ \frac{4G_F}{\sqrt{2}}(\bar{c}\gamma_\mu P_R u)(\bar{c}\gamma^\mu P_R u) \\ \frac{4G_F}{\sqrt{2}}(\bar{c}_\alpha P_L u_\beta)(\bar{c}_\beta P_L u_\alpha) \\ \frac{4G_F}{\sqrt{2}}(\bar{c}_\alpha P_L u_\beta)(\bar{c}P_R u) \\ \frac{4G_F}{\sqrt{2}}(\bar{c}P_R u)(\bar{c}P_R u) \\ \frac{4G_F}{\sqrt{2}}(\bar{c}P_L u)(\bar{c}P_R u) \\ \frac{4G_F}{\sqrt{2}}(\bar{c}\alpha P_R u_\beta)(\bar{c}_\beta P_R u_\alpha) \end{array}$	\mathbf{C}