

$$\begin{aligned}
C_W \rightarrow & \frac{1}{16 \pi^2} \left(-\frac{1}{9} g_2^3 \mathcal{L} F_{3,0} [m_2] + \frac{4}{15} g_2^3 \mathcal{L} F_{5,-2} [m_2] - \frac{1}{18} \sum_p g_2^3 \mathcal{L} F_{3,0} [m_{\tilde{l}}^p] + \frac{1}{8} \sum_p g_2^3 \mathcal{L} F_{4,-1} [m_{\tilde{l}}^p] - \right. \\
& \frac{1}{15} \sum_p g_2^3 \mathcal{L} F_{5,-2} [m_{\tilde{l}}^p] - \frac{1}{6} \sum_p g_2^3 \mathcal{L} F_{3,0} [m_{\tilde{q}}^p] + \frac{3}{8} \sum_p g_2^3 \mathcal{L} F_{4,-1} [m_{\tilde{q}}^p] - \frac{1}{5} \sum_p g_2^3 \mathcal{L} F_{5,-2} [m_{\tilde{q}}^p] - \\
& \left. \frac{1}{18} g_2^3 \mathcal{L} F_{3,0} [m_{\oplus}] + \frac{1}{8} g_2^3 \mathcal{L} F_{4,-1} [m_{\oplus}] - \frac{1}{15} g_2^3 \mathcal{L} F_{5,-2} [m_{\oplus}] - \frac{1}{18} g_2^3 \mathcal{L} F_{3,0} [\tilde{\mu}] + \frac{2}{15} g_2^3 \mathcal{L} F_{5,-2} [\tilde{\mu}] \right)
\end{aligned}$$