$g_2 + \hbar \left(\frac{7}{12} g_2^3 - \frac{2}{3} g_2^3 LF_{3,-1}[m_2] - \frac{1}{4} \sum_p g_2^3 LF_{2,0}[m_{\tilde{l}}^p] + \frac{1}{6} \sum_p g_2^3 LF_{3,-1}[m_{\tilde{l}}^p] - \frac{3}{4} \sum_p g_2^3 LF_{2,0}[m_{\tilde{q}}^p] + \frac{1}{6} \sum_p g_2^3 LF_{3,-1}[m_{\tilde{l}}^p] - \frac{3}{4} \sum_p g_2^3 LF_{2,0}[m_{\tilde{l}}^p] + \frac{1}{6} \sum_p g_2^3 LF_{3,-1}[m_{\tilde{l}}^p] - \frac{3}{4} \sum_p g_2^3 LF_{3,0}[m_{\tilde{l}}^p] + \frac{1}{6} \sum_p g_2^3 LF_{3,0}[m_{\tilde{l}}^p] - \frac{3}{4} \sum_p g_2^3 LF_{3,0}[m_{\tilde{l}}^p] + \frac{1}{6} \sum_p g_2^3 LF_{3,0}[m_{\tilde{l}}^p] - \frac{3}{4} \sum_p g_2$

 $\frac{1}{2} \sum_{p} g_2^3 LF_{3,-1} \left[m_{\tilde{q}}^{p} \right] - \frac{1}{4} g_2^3 LF_{2,0} \left[m_{\tilde{\Phi}} \right] + \frac{1}{6} g_2^3 LF_{3,-1} \left[m_{\tilde{\Phi}} \right] - \frac{1}{3} g_2^3 LF_{3,-1} \left[\tilde{\mu} \right] \right)$