$$\begin{split} & \frac{1}{108} \frac{1}{m_{\star}^2} \left(7 \text{ g1}^2 \text{ c}_{\chi}^2 \text{ yp}^{13} \text{ yp}^{14} \delta_{1112} + 2 \text{ s}_{\chi}^2 \text{ yp}^{11} \text{ yp}^{12} \left(27 \text{ c}_{\chi}^2 \text{ yp}^{13} \text{ yp}^{14} + 5 \text{ g1}^2 \delta_{1314} \right) - \frac{8}{10} \sum_{p} g_1^4 \text{ LF}_{3,1} \left[m_p^p \right] \delta_{1112} \delta_{1314} + \frac{5}{27} \sum_{p} g_1^4 \text{ LF}_{4,-1} \left[m_p^p \right] \delta_{112} \delta_{1314} - \frac{8}{22} \sum_{p} g_1^4 \text{ LF}_{5,-2} \left[m_p^p \right] \delta_{112} \delta_{1314} + \frac{5}{27} \sum_{p} g_1^4 \text{ LF}_{4,-1} \left[m_p^p \right] \delta_{112} \delta_{1314} + \frac{8}{27} \sum_{p} g_1^4 \text{ LF}_{5,-2} \left[m_p^p \right] \delta_{112} \delta_{1314} - \frac{8}{218} \sum_{p} g_1^4 \text{ LF}_{5,-2} \left[m_p^p \right] \delta_{112} \delta_{1314} - \frac{8}{218} \sum_{p} g_1^4 \text{ LF}_{5,-2} \left[m_p^p \right] \delta_{112} \delta_{1314} + \frac{8}{18} \sum_{p} g_1^4 \text{ LF}_{5,-2} \left[m_p^p \right] \delta_{112} \delta_{1314} - \frac{4}{412} \delta_{1314} - \frac{4}{412} \sum_{p} g_1^4 \text{ LF}_{5,-2} \left[m_p^p \right] \delta_{112} \delta_{1314} - \frac{4}{412} \sum_{p} g_1^4 \text{ LF}_{5,-2} \left[m_p^p \right] \delta_{112} \delta_{1314} - \frac{4}{412} \sum_{p} g_1^4 \text{ LF}_{5,-2} \left[m_p^p \right] \delta_{112} \delta_{1314} - \frac{4}{412} \sum_{p} g_1^4 \text{ LF}_{5,-2} \left[m_p^p \right] \delta_{112} \delta_{1314} - \frac{4}{412} \sum_{p} g_1^4 \text{ LF}_{5,-2} \left[m_p^p \right] \delta_{112} \delta_{1314} - \frac{4}{412} \sum_{p} g_1^4 \text{ LF}_{5,-2} \left[m_p^p \right] \delta_{112} \delta_{1314} - \frac{4}{412} \sum_{p} g_1^4 \text{ LF}_{5,-2} \left[m_p^p \right] \delta_{112} \delta_{1314} - \frac{4}{412} \sum_{p} g_1^4 \text{ LF}_{5,-2} \left[m_p^p \right] \delta_{112} \delta_{1314} - \frac{4}{412} \sum_{p} g_1^4 \text{ LF}_{5,-2} \left[m_p \right] \delta_{112} \delta_{1314} - \frac{4}{412} \sum_{p} g_1^4 \text{ LF}_{5,-2} \left[m_p \right] \delta_{112} \delta_{1314} - \frac{2}{412} \sum_{p} g_1^4 \text{ LF}_{5,-2} \left[m_p \right] \delta_{112} \delta_{1314} - \frac{2}{412} \sum_{p} g_1^4 \text{ LF}_{5,-2} \left[m_p \right] \delta_{112} \delta_{1314} - \frac{2}{412} \sum_{p} g_1^4 \text{ LF}_{5,-2} \left[m_p \right] \delta_{112} \delta_{1314} - \frac{2}{412} \sum_{p} g_1^4 \text{ LF}_{5,-2} \left[m_p \right] \delta_{112} \delta_{1314} - \frac{2}{2} g_1^2 \delta_{1314} \right) \text{ LF}_{1,2} \left[m_p \right] \\ & \frac{1}{18} \text{ g1}^2 \text{ LF}_{4,-1} \left[m_p \right] \delta_{112} \delta_{1314} - \frac{1}{48} \sum_{p} g_1^4 \text{ LF}_{5,-2} \left[m_p \right] \delta_{112} \delta_{1314} - \frac{2}{2} g_1^2 \delta_{1314} \right) \delta_{1112} \delta_{1314} \\ & \frac{1}{2} g_1^2 \text{ g1}^2 \text{ LF}_{4,-1} \left[m_p \right] \delta_{112} \delta_{1314} + \frac{1}{18} g_1^2 \text{ LF}_{5,-2} \left[m_p \right] \delta_{1112} \delta_{1314} - \frac{2}{2} g_1^2 \delta_{13$$