$$C_{le}^{i1\_i2\_i3\_i4\_} \to -\frac{1}{2}\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4} +$$
$$\frac{1}{16\pi^2}\,\Big(-\frac{1}{144}\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\Big(36\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,(8\,g_1^2+3\,g_2^2)+9\,\overline{y_e}^{pr}\,\overline{y_e}^{i2i3}\,\Big(3\,y_e^{pi4}\,y_e^{i1r}\,(1+s_\gamma^2)-$$
$$8\,c_\gamma^2\,y_e^{pr}\,y_e^{i1i4}\Big)+27\,\overline{y_e}^{ri3}\,\overline{y_e}^{i2p}\,\big(4\,c_\gamma^2\,y_e^{ri4}\,y_e^{i1p}+y_e^{rp}\,y_e^{i1i4}\,(1+s_\gamma^2)\big)\Big)+$$
$$2\,g_1^2\,\big(5\,\overline{y_e}^{pi3}\,y_e^{pi4}\,\delta_{i1i2}+7\,\overline{y_e}^{i2p}\,y_e^{i1p}\,\delta_{i3i4}\big)\Big)-\frac{1}{4}\sum_p s_\gamma\,g_1^2\,\frac{1}{m_\Phi^4}\,\overline{y_e}^{i2i3}$$
$$y_e^{i1i4}\,(2\,s_{2\gamma}\,c_\gamma+s_\gamma\,c_{2\gamma})\,LF_{1,0}[m_{\tilde d}^p]+\frac{2}{27}\sum_p g_1^4\,LF_{3,0}[m_{\tilde d}^p]\,\delta_{i1i2}\,\delta_{i3i4}-$$
$$\frac{5}{36}\sum_p g_1^4\,LF_{4,-1}[m_{\tilde d}^p]\,\delta_{i1i2}\,\delta_{i3i4}+\frac{8}{135}\sum_p g_1^4\,LF_{5,-2}[m_{\tilde d}^p]\,\delta_{i1i2}\,\delta_{i3i4}-$$
$$\frac{3}{2}\,s_\gamma\,\frac{1}{m_\Phi^4}\,\overline{y_d}^{pr}\,y_d^{pr}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,(-s_{2\gamma}\,c_\gamma+s_\gamma^3)\,LF_{1,0}[m_{\tilde d}^r]-$$
$$\frac{1}{4}\sum_p s_\gamma\,g_1^2\,\frac{1}{m_\Phi^4}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,(2\,s_{2\gamma}\,c_\gamma+s_\gamma\,c_{2\gamma})\,LF_{1,0}[m_{\tilde e}^p]+\frac{2}{9}\sum_p g_1^4\,LF_{3,0}[m_{\tilde e}^p]\,\delta_{i1i2}\,\delta_{i3i4}-$$
$$\frac{5}{12}\sum_p g_1^4\,LF_{4,-1}[m_{\tilde e}^p]\,\delta_{i1i2}\,\delta_{i3i4}+\frac{8}{45}\sum_p g_1^4\,LF_{5,-2}[m_{\tilde e}^p]\,\delta_{i1i2}\,\delta_{i3i4}-$$
$$\frac{1}{2}\,s_\gamma\,\frac{1}{m_\Phi^4}\,\overline{y_e}^{pr}\,\overline{y_e}^{i2i3}\,y_e^{pr}\,y_e^{i1i4}\,(-s_{2\gamma}\,c_\gamma+s_\gamma^3)\,LF_{1,0}[m_{\tilde e}^r]+$$
$$\frac{1}{4}\,s_\gamma\,\frac{1}{m_\Phi^4}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,\Big(2\,\overline{y_e}^{pr}\,y_e^{pr}\,(s_{2\gamma}\,c_\gamma-s_\gamma^3)+\sum_p g_1^2\,(2\,s_{2\gamma}\,c_\gamma+s_\gamma\,c_{2\gamma})\Big)\,LF_{1,0}[m_{\tilde l}^p]+$$
$$\frac{1}{9}\sum_p g_1^4\,LF_{3,0}[m_{\tilde l}^p]\,\delta_{i1i2}\,\delta_{i3i4}-\frac{5}{24}\sum_p g_1^4\,LF_{4,-1}[m_{\tilde l}^p]\,\delta_{i1i2}\,\delta_{i3i4}+$$
$$\frac{4}{45}\sum_p g_1^4\,LF_{5,-2}[m_{\tilde l}^p]\,\delta_{i1i2}\,\delta_{i3i4}-\frac{1}{4}\,s_\gamma\,\frac{1}{m_\Phi^4}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}$$
$$\Big(6\,\overline{y_d}^{pr}\,y_d^{pr}\,(-s_{2\gamma}\,c_\gamma+s_\gamma^3)+6\,c_\gamma\,\overline{y_u}^{pr}\,y_u^{pr}\,(s_{2\gamma}+s_\gamma\,c_\gamma)+\sum_p g_1^2\,(2\,s_{2\gamma}\,c_\gamma+s_\gamma\,c_{2\gamma})\Big)$$
$$LF_{1,0}[m_{\tilde q}^p]+\frac{1}{27}\sum_p g_1^4\,LF_{3,0}[m_{\tilde q}^p]\,\delta_{i1i2}\,\delta_{i3i4}-$$
$$\frac{5}{72}\sum_p g_1^4\,LF_{4,-1}[m_{\tilde q}^p]\,\delta_{i1i2}\,\delta_{i3i4}+\frac{4}{135}\sum_p g_1^4\,LF_{5,-2}[m_{\tilde q}^p]\,\delta_{i1i2}\,\delta_{i3i4}+$$
$$\frac{1}{2}\sum_p s_\gamma\,g_1^2\,\frac{1}{m_\Phi^4}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,(2\,s_{2\gamma}\,c_\gamma+s_\gamma\,c_{2\gamma})\,LF_{1,0}[m_{\tilde u}^p]+\frac{8}{27}\sum_p g_1^4\,LF_{3,0}[m_{\tilde u}^p]\,\delta_{i1i2}\,\delta_{i3i4}-$$
$$\frac{5}{9}\sum_p g_1^4\,LF_{4,-1}[m_{\tilde u}^p]\,\delta_{i1i2}\,\delta_{i3i4}+\frac{32}{135}\sum_p g_1^4\,LF_{5,-2}[m_{\tilde u}^p]\,\delta_{i1i2}\,\delta_{i3i4}-$$
$$\frac{3}{2}\,s_\gamma\,c_\gamma\,\frac{1}{m_\Phi^4}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,\overline{y_u}^{pr}\,y_u^{pr}\,(s_{2\gamma}+s_\gamma\,c_\gamma)\,LF_{1,0}[m_{\tilde u}^r]-\frac{1}{8}\,s_\gamma\,\frac{1}{m_\Phi^4}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}$$
$$\Big(3\,s_{4\gamma}\,c_\gamma\,(g_1^2+g_2^2)+s_\gamma\,\big(g_1^2\,(-1+3\,c_{2\gamma}^2)+3\,g_2^2\,(-1+c_{2\gamma}^2)\big)\Big)\,LF_{1,0}[m_\Phi]+$$
$$\frac{1}{8}\,\frac{1}{m_\Phi^2}\,\Big(3\,s_\gamma^4\,\overline{y_e}^{pr}\,\overline{y_e}^{i2i3}\,y_e^{pi4}\,y_e^{i1r}+s_\gamma^2\,y_e^{i1i4}\,\big(-2\,\overline{y_e}^{i2i3}\,(g_1^2+3\,g_2^2)+3\,s_\gamma^2\,\overline{y_e}^{ri3}\,\overline{y_e}^{i2p}\,y_e^{rp}\big)\Big)$$
$$LF_{1,1}[m_\Phi]+\frac{1}{24}\,s_\gamma^2\,\Big(3\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,(g_1^2+3\,g_2^2)-4\,g_1^2\,\overline{y_e}^{pi3}\,y_e^{pi4}\,\delta_{i1i2}-$$
$$4\,\overline{y_e}^{i2p}\,y_e^{i1p}\,\big(3\,c_\gamma^2\,\overline{y_e}^{ri3}\,y_e^{ri4}+2\,g_1^2\,\delta_{i3i4}\big)\Big)\,LF_{1,2}[m_\Phi]+$$
$$\frac{1}{12}\,s_\gamma^2\,\Big(-g_1^2\,\overline{y_e}^{pi3}\,y_e^{pi4}\,\delta_{i1i2}+\overline{y_e}^{i2p}\,y_e^{i1p}\,\big(-3\,s_\gamma^2\,\overline{y_e}^{ri3}\,y_e^{ri4}+g_1^2\,\delta_{i3i4}\big)\Big)\,LF_{2,1}[m_\Phi]+$$
$$\frac{1}{36}\,g_1^2\,\Big(3\,s_\gamma^2\,\overline{y_e}^{pi3}\,y_e^{pi4}\,\delta_{i1i2}+\big(-3\,s_\gamma^2\,\overline{y_e}^{i2p}\,y_e^{i1p}+4\,g_1^2\,\delta_{i1i2}\big)\,\delta_{i3i4}\Big)\,LF_{3,0}[m_\Phi]-$$
$$\frac{5}{24}\,g_1^4\,LF_{4,-1}[m_\Phi]\,\delta_{i1i2}\,\delta_{i3i4}+\frac{4}{45}\,g_1^4\,LF_{5,-2}[m_\Phi]\,\delta_{i1i2}\,\delta_{i3i4}+$$
$$\frac{1}{9}\,g_1^4\,LF_{3,0}[\tilde\mu]\,\delta_{i1i2}\,\delta_{i3i4}+\frac{1}{6}\,g_1^4\,LF_{4,-1}[\tilde\mu]\,\delta_{i1i2}\,\delta_{i3i4}-$$
$$\frac{8}{45}\,g_1^4\,LF_{5,-2}[\tilde\mu]\,\delta_{i1i2}\,\delta_{i3i4}+\frac{1}{2}\,g_1^2\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{1,1,0}[m_1,m_{\tilde e}^{i3}]-$$
$$\frac{1}{4}\,g_1^2\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{2,1,-1}[m_1,m_{\tilde e}^{i3}]+\frac{1}{2}\,g_1^2\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{1,1,0}[m_1,m_{\tilde e}^{i4}]-$$
$$\frac{1}{4}\,g_1^2\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{2,1,-1}[m_1,m_{\tilde e}^{i4}]+\frac{1}{6}\,g_1^4\,LF_{2,1,0}[m_1,m_{\tilde e}^{i4}]\,\delta_{i1i2}\,\delta_{i3i4}+$$
$$\frac{1}{6}\,g_1^4\,LF_{2,2,-1}[m_1,m_{\tilde e}^{i4}]\,\delta_{i1i2}\,\delta_{i3i4}-\frac{1}{3}\,g_1^4\,LF_{3,1,-1}[m_1,m_{\tilde e}^{i4}]\,\delta_{i1i2}\,\delta_{i3i4}+$$
$$\frac{1}{6}\,g_1^4\,LF_{4,1,-2}[m_1,m_{\tilde e}^{i4}]\,\delta_{i1i2}\,\delta_{i3i4}+\frac{1}{8}\,g_1^2\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{1,1,0}[m_1,m_{\tilde l}^{i1}]-$$
$$\frac{1}{16}\,g_1^2\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{2,1,-1}[m_1,m_{\tilde l}^{i1}]+\frac{1}{8}\,g_1^2\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{1,1,0}[m_1,m_{\tilde l}^{i2}]-$$
$$\frac{1}{16}\,g_1^2\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{2,1,-1}[m_1,m_{\tilde l}^{i2}]+\frac{1}{24}\,g_1^4\,LF_{2,1,0}[m_1,m_{\tilde l}^{i2}]\,\delta_{i1i2}\,\delta_{i3i4}+$$
$$\frac{1}{24}\,g_1^4\,LF_{2,2,-1}[m_1,m_{\tilde l}^{i2}]\,\delta_{i1i2}\,\delta_{i3i4}-\frac{1}{12}\,g_1^4\,LF_{3,1,-1}[m_1,m_{\tilde l}^{i2}]\,\delta_{i1i2}\,\delta_{i3i4}+$$
$$\frac{1}{24}\,g_1^4\,LF_{4,1,-2}[m_1,m_{\tilde l}^{i2}]\,\delta_{i1i2}\,\delta_{i3i4}+\frac{1}{2}\,g_1^2\,\frac{1}{m_\Phi^4}\,s_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{1,1,-1}[m_1,\tilde\mu]+$$
$$m_1\,s_\gamma\,\tilde\mu\,c_\gamma\,g_1^2\,\frac{1}{m_\Phi^4}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,(c_\gamma^2-2\,s_\gamma^2)\,LF_{1,1,0}[m_1,\tilde\mu]+$$
$$\frac{3}{8}\,g_2^2\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{1,1,0}[m_2,m_{\tilde l}^{i1}]-$$
$$\frac{3}{16}\,g_2^2\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{2,1,-1}[m_2,m_{\tilde l}^{i1}]+\frac{3}{8}\,g_2^2\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{1,1,0}[m_2,m_{\tilde l}^{i2}]-$$
$$\frac{3}{16}\,g_2^2\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{2,1,-1}[m_2,m_{\tilde l}^{i2}]+\frac{1}{8}\,g_1^2\,g_2^2\,LF_{2,1,0}[m_2,m_{\tilde l}^{i2}]\,\delta_{i1i2}\,\delta_{i3i4}+$$
$$\frac{1}{8}\,g_1^2\,g_2^2\,LF_{2,2,-1}[m_2,m_{\tilde l}^{i2}]\,\delta_{i1i2}\,\delta_{i3i4}-\frac{1}{4}\,g_1^2\,g_2^2\,LF_{3,1,-1}[m_2,m_{\tilde l}^{i2}]\,\delta_{i1i2}\,\delta_{i3i4}+$$
$$\frac{1}{8}\,g_1^2\,g_2^2\,LF_{4,1,-2}[m_2,m_{\tilde l}^{i2}]\,\delta_{i1i2}\,\delta_{i3i4}+\frac{3}{2}\,g_2^2\,\frac{1}{m_\Phi^4}\,s_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{1,1,-1}[m_2,\tilde\mu]+$$
$$3\,m_2\,s_\gamma\,\tilde\mu\,c_\gamma\,g_2^2\,\frac{1}{m_\Phi^4}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,(c_\gamma^2-2\,s_\gamma^2)\,LF_{1,1,0}[m_2,\tilde\mu]+$$
$$\frac{3}{2}\,s_\gamma\,\frac{1}{m_\Phi^4}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,\Big(\tilde\mu\,c_\gamma\,\overline{y_d}^{pr}\,\big(a_d^{pr}\,(c_\gamma^2-2\,s_\gamma^2)-3\,s_\gamma\,\tilde\mu\,c_\gamma\,y_d^{pr}\big)+$$
$$\overline{a_d}^{pr}\,\big(a_d^{pr}\,(2\,s_\gamma\,c_\gamma^2-s_\gamma^3)+\tilde\mu\,c_\gamma\,y_d^{pr}\,(c_\gamma^2-2\,s_\gamma^2)\big)\Big)\,LF_{1,1,0}[m_{\tilde d}^r,m_{\tilde q}^p]+$$
$$\frac{1}{4}\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{ri3}\,\overline{y_e}^{i2p}\,y_e^{rp}\,y_e^{i1i4}\,LF_{1,1,0}[m_{\tilde e}^p,\tilde\mu]-\frac{1}{3}\,g_1^2\,\overline{y_e}^{i2p}\,y_e^{i1p}\,LF_{2,1,0}[m_{\tilde e}^p,\tilde\mu]\,\delta_{i3i4}+$$
$$\frac{1}{6}\,g_1^2\,\overline{y_e}^{i2p}\,y_e^{i1p}\,LF_{2,2,-1}[m_{\tilde e}^p,\tilde\mu]\,\delta_{i3i4}+\frac{1}{6}\,g_1^2\,\overline{y_e}^{i2p}\,y_e^{i1p}\,LF_{3,1,-1}[m_{\tilde e}^p,\tilde\mu]\,\delta_{i3i4}+$$
$$\frac{1}{2}\,s_\gamma\,\frac{1}{m_\Phi^4}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,\Big(\tilde\mu\,c_\gamma\,\overline{y_e}^{pr}\,\big(a_e^{pr}\,(c_\gamma^2-2\,s_\gamma^2)-3\,s_\gamma\,\tilde\mu\,c_\gamma\,y_e^{pr}\big)+$$
$$\overline{a_e}^{pr}\,\big(a_e^{pr}\,(2\,s_\gamma\,c_\gamma^2-s_\gamma^3)+\tilde\mu\,c_\gamma\,y_e^{pr}\,(c_\gamma^2-2\,s_\gamma^2)\big)\Big)\,LF_{1,1,0}[m_{\tilde e}^r,m_{\tilde l}^p]+$$
$$\frac{1}{4}\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{pr}\,\overline{y_e}^{i2i3}\,y_e^{pi4}\,y_e^{i1r}\,LF_{1,1,0}[m_{\tilde e}^r,\tilde\mu]-\frac{1}{3}\,g_1^4\,LF_{2,1,0}[m_{\tilde e}^{i4},m_1]\,\delta_{i1i2}\,\delta_{i3i4}+$$
$$\frac{1}{6}\,g_1^4\,LF_{3,1,-1}[m_{\tilde e}^{i4},m_1]\,\delta_{i1i2}\,\delta_{i3i4}+\frac{1}{2}\,s_\gamma\,c_\gamma\,\frac{1}{m_\Phi^2}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}$$
$$\Big(\tilde\mu\,\overline{y_e}^{pr}\,\big(a_e^{pr}\,(-c_\gamma^2+s_\gamma^2)+2\,s_\gamma\,\tilde\mu\,c_\gamma\,y_e^{pr}\big)+\overline{a_e}^{pr}\,\big(-2\,s_\gamma\,c_\gamma\,a_e^{pr}+\tilde\mu\,y_e^{pr}\,(-c_\gamma^2+s_\gamma^2)\big)\Big)$$
$$LF_{2,1,0}[m_{\tilde l}^p,m_{\tilde e}^r]+\frac{1}{2}\,s_\gamma\,c_\gamma\,\frac{1}{m_\Phi^2}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,\Big(\tilde\mu\,\overline{y_e}^{pr}\,\big(a_e^{pr}\,(c_\gamma^2-s_\gamma^2)-2\,s_\gamma\,\tilde\mu\,c_\gamma\,y_e^{pr}\big)+$$
$$\overline{a_e}^{pr}\,\big(2\,s_\gamma\,c_\gamma\,a_e^{pr}+\tilde\mu\,y_e^{pr}\,(c_\gamma^2-s_\gamma^2)\big)\Big)\,LF_{3,1,-1}[m_{\tilde l}^p,m_{\tilde e}^r]-$$
$$\frac{1}{2}\,c_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,(c_\gamma\,\overline{a_e}^{pr}-s_\gamma\,\tilde\mu\,\overline{y_e}^{pr})\,(c_\gamma\,a_e^{pr}-s_\gamma\,\tilde\mu\,y_e^{pr})\,LF_{3,1,0}[m_{\tilde l}^p,m_{\tilde e}^r]+$$
$$\frac{3}{2}\,c_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,(c_\gamma\,\overline{a_e}^{pr}-s_\gamma\,\tilde\mu\,\overline{y_e}^{pr})\,(c_\gamma\,a_e^{pr}-s_\gamma\,\tilde\mu\,y_e^{pr})\,LF_{4,1,-1}[m_{\tilde l}^p,m_{\tilde e}^r]-$$
$$c_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,(c_\gamma\,\overline{a_e}^{pr}-s_\gamma\,\tilde\mu\,\overline{y_e}^{pr})\,(c_\gamma\,a_e^{pr}-s_\gamma\,\tilde\mu\,y_e^{pr})\,LF_{5,1,-2}[m_{\tilde l}^p,m_{\tilde e}^r]+$$
$$\frac{1}{2}\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{pr}\,\overline{y_e}^{i2i3}\,y_e^{pi4}\,y_e^{i1r}\,LF_{1,1,0}[m_{\tilde l}^p,\tilde\mu]-\frac{1}{6}\,g_1^2\,\overline{y_e}^{pi3}\,y_e^{pi4}\,LF_{2,1,0}[m_{\tilde l}^p,\tilde\mu]\,\delta_{i1i2}+$$
$$\frac{1}{12}\,g_1^2\,\overline{y_e}^{pi3}\,y_e^{pi4}\,LF_{2,2,-1}[m_{\tilde l}^p,\tilde\mu]\,\delta_{i1i2}+\frac{1}{12}\,g_1^2\,\overline{y_e}^{pi3}\,y_e^{pi4}\,LF_{3,1,-1}[m_{\tilde l}^p,\tilde\mu]\,\delta_{i1i2}+$$
$$\frac{1}{2}\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{ri3}\,\overline{y_e}^{i2p}\,y_e^{rp}\,y_e^{i1i4}\,LF_{1,1,0}[m_{\tilde l}^r,\tilde\mu]-\frac{1}{12}\,g_1^4\,LF_{2,1,0}[m_{\tilde l}^{i2},m_1]\,\delta_{i1i2}\,\delta_{i3i4}+$$
$$\frac{1}{24}\,g_1^4\,LF_{3,1,-1}[m_{\tilde l}^{i2},m_1]\,\delta_{i1i2}\,\delta_{i3i4}-\frac{1}{4}\,g_1^2\,g_2^2\,LF_{2,1,0}[m_{\tilde l}^{i2},m_2]\,\delta_{i1i2}\,\delta_{i3i4}+$$
$$\frac{1}{8}\,g_1^2\,g_2^2\,LF_{3,1,-1}[m_{\tilde l}^{i2},m_2]\,\delta_{i1i2}\,\delta_{i3i4}+\frac{3}{2}\,s_\gamma\,c_\gamma\,\frac{1}{m_\Phi^2}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}$$
$$\Big(\tilde\mu\,\overline{y_d}^{pr}\,\big(a_d^{pr}\,(-c_\gamma^2+s_\gamma^2)+2\,s_\gamma\,\tilde\mu\,c_\gamma\,y_d^{pr}\big)+\overline{a_d}^{pr}\,\big(-2\,s_\gamma\,c_\gamma\,a_d^{pr}+\tilde\mu\,y_d^{pr}\,(-c_\gamma^2+s_\gamma^2)\big)\Big)$$
$$LF_{2,1,0}[m_{\tilde q}^p,m_{\tilde d}^r]+\frac{3}{2}\,s_\gamma\,c_\gamma\,\frac{1}{m_\Phi^2}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,\Big(\tilde\mu\,\overline{y_d}^{pr}\,\big(a_d^{pr}\,(c_\gamma^2-s_\gamma^2)-2\,s_\gamma\,\tilde\mu\,c_\gamma\,y_d^{pr}\big)+$$
$$\overline{a_d}^{pr}\,\big(2\,s_\gamma\,c_\gamma\,a_d^{pr}+\tilde\mu\,y_d^{pr}\,(c_\gamma^2-s_\gamma^2)\big)\Big)\,LF_{3,1,-1}[m_{\tilde q}^p,m_{\tilde d}^r]-$$
$$\frac{3}{2}\,c_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,(c_\gamma\,\overline{a_d}^{pr}-s_\gamma\,\tilde\mu\,\overline{y_d}^{pr})\,(c_\gamma\,a_d^{pr}-s_\gamma\,\tilde\mu\,y_d^{pr})\,LF_{3,1,0}[m_{\tilde q}^p,m_{\tilde d}^r]+$$
$$\frac{9}{2}\,c_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,(c_\gamma\,\overline{a_d}^{pr}-s_\gamma\,\tilde\mu\,\overline{y_d}^{pr})\,(c_\gamma\,a_d^{pr}-s_\gamma\,\tilde\mu\,y_d^{pr})\,LF_{4,1,-1}[m_{\tilde q}^p,m_{\tilde d}^r]-$$
$$3\,c_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,(c_\gamma\,\overline{a_d}^{pr}-s_\gamma\,\tilde\mu\,\overline{y_d}^{pr})\,(c_\gamma\,a_d^{pr}-s_\gamma\,\tilde\mu\,y_d^{pr})\,LF_{5,1,-2}[m_{\tilde q}^p,m_{\tilde d}^r]+$$
$$\frac{3}{2}\,s_\gamma\,\frac{1}{m_\Phi^4}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,\Big(c_\gamma\,\overline{a_u}^{pr}\,\big(-3\,s_\gamma\,c_\gamma\,a_u^{pr}+\tilde\mu\,y_u^{pr}\,(c_\gamma^2-2\,s_\gamma^2)\big)+\tilde\mu\,\overline{y_u}^{pr}$$
$$\big(a_u^{pr}\,(c_\gamma^3-2\,c_\gamma\,s_\gamma^2)-s_\gamma\,\tilde\mu\,y_u^{pr}\,(-2\,c_\gamma^2+s_\gamma^2)\big)\Big)\,LF_{1,1,0}[m_{\tilde q}^p,m_{\tilde u}^r]+\frac{3}{2}\,s_\gamma\,c_\gamma\,\frac{1}{m_\Phi^2}\,\overline{y_e}^{i2i3}$$
$$y_e^{i1i4}\,\Big(\tilde\mu\,\overline{y_u}^{pr}\,\big(a_u^{pr}\,(-c_\gamma^2+s_\gamma^2)-2\,s_\gamma\,\tilde\mu\,c_\gamma\,y_u^{pr}\big)+\overline{a_u}^{pr}\,\big(2\,s_\gamma\,c_\gamma\,a_u^{pr}+\tilde\mu\,y_u^{pr}\,(-c_\gamma^2+s_\gamma^2)\big)\Big)$$
$$LF_{2,1,0}[m_{\tilde u}^r,m_{\tilde q}^p]+\frac{3}{2}\,s_\gamma\,c_\gamma\,\frac{1}{m_\Phi^2}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,\Big(\tilde\mu\,\overline{y_u}^{pr}\,\big(a_u^{pr}\,(c_\gamma^2-s_\gamma^2)+2\,s_\gamma\,\tilde\mu\,c_\gamma\,y_u^{pr}\big)+$$
$$\overline{a_u}^{pr}\,\big(-2\,s_\gamma\,c_\gamma\,a_u^{pr}+\tilde\mu\,y_u^{pr}\,(c_\gamma^2-s_\gamma^2)\big)\Big)\,LF_{3,1,-1}[m_{\tilde u}^r,m_{\tilde q}^p]-$$
$$\frac{3}{2}\,c_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,(-s_\gamma\,\overline{a_u}^{pr}+\tilde\mu\,c_\gamma\,\overline{y_u}^{pr})\,(-s_\gamma\,a_u^{pr}+\tilde\mu\,c_\gamma\,y_u^{pr})\,LF_{3,1,0}[m_{\tilde u}^r,m_{\tilde q}^p]+$$
$$\frac{9}{2}\,c_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,(-s_\gamma\,\overline{a_u}^{pr}+\tilde\mu\,c_\gamma\,\overline{y_u}^{pr})\,(-s_\gamma\,a_u^{pr}+\tilde\mu\,c_\gamma\,y_u^{pr})\,LF_{4,1,-1}[m_{\tilde u}^r,m_{\tilde q}^p]-$$
$$3\,c_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,(-s_\gamma\,\overline{a_u}^{pr}+\tilde\mu\,c_\gamma\,\overline{y_u}^{pr})\,(-s_\gamma\,a_u^{pr}+\tilde\mu\,c_\gamma\,y_u^{pr})\,LF_{5,1,-2}[m_{\tilde u}^r,m_{\tilde q}^p]+$$
$$m_1\,s_\gamma\,\tilde\mu\,c_\gamma\,g_1^2\,\frac{1}{m_\Phi^2}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,(-c_\gamma^2+s_\gamma^2)\,LF_{2,1,0}[\tilde\mu,m_1]+$$
$$c_\gamma\,g_1^2\,\frac{1}{m_\Phi^2}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,\big(c_\gamma\,m_\Phi^2+m_1\,s_\gamma\,\tilde\mu\,(c_\gamma^2-s_\gamma^2)\big)\,LF_{3,1,-1}[\tilde\mu,m_1]+$$
$$m_1\,s_\gamma\,\tilde\mu\,g_1^2\,c_\gamma^3\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{3,1,0}[\tilde\mu,m_1]-2\,g_1^2\,c_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{4,1,-2}[\tilde\mu,m_1]-$$
$$3\,m_1\,s_\gamma\,\tilde\mu\,g_1^2\,c_\gamma^3\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{4,1,-1}[\tilde\mu,m_1]+$$
$$g_1^2\,c_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{5,1,-3}[\tilde\mu,m_1]+2\,m_1\,s_\gamma\,\tilde\mu\,g_1^2\,c_\gamma^3\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{5,1,-2}[\tilde\mu,m_1]+$$
$$3\,m_2\,s_\gamma\,\tilde\mu\,c_\gamma\,g_2^2\,\frac{1}{m_\Phi^2}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,(-c_\gamma^2+s_\gamma^2)\,LF_{2,1,0}[\tilde\mu,m_2]+$$
$$3\,c_\gamma\,g_2^2\,\frac{1}{m_\Phi^2}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,\big(c_\gamma\,m_\Phi^2+m_2\,s_\gamma\,\tilde\mu\,(c_\gamma^2-s_\gamma^2)\big)\,LF_{3,1,-1}[\tilde\mu,m_2]+$$
$$3\,m_2\,s_\gamma\,\tilde\mu\,g_2^2\,c_\gamma^3\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{3,1,0}[\tilde\mu,m_2]-6\,g_2^2\,c_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{4,1,-2}[\tilde\mu,m_2]-$$
$$9\,m_2\,s_\gamma\,\tilde\mu\,g_2^2\,c_\gamma^3\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{4,1,-1}[\tilde\mu,m_2]+$$
$$3\,g_2^2\,c_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{5,1,-3}[\tilde\mu,m_2]+6\,m_2\,s_\gamma\,\tilde\mu\,g_2^2\,c_\gamma^3\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{5,1,-2}[\tilde\mu,m_2]-$$
$$\frac{1}{8}\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{ri3}\,\overline{y_e}^{i2p}\,y_e^{rp}\,y_e^{i1i4}\,LF_{2,1,-1}[\tilde\mu,m_{\tilde e}^p]+\frac{1}{6}\,g_1^2\,\overline{y_e}^{i2p}\,y_e^{i1p}\,LF_{2,1,0}[\tilde\mu,m_{\tilde e}^p]\,\delta_{i3i4}-$$
$$\frac{1}{12}\,g_1^2\,\overline{y_e}^{i2p}\,y_e^{i1p}\,LF_{3,1,-1}[\tilde\mu,m_{\tilde e}^p]\,\delta_{i3i4}+\frac{1}{12}\,g_1^2\,\overline{y_e}^{i2p}\,y_e^{i1p}\,LF_{4,1,-2}[\tilde\mu,m_{\tilde e}^p]\,\delta_{i3i4}-$$
$$\frac{1}{8}\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{pr}\,\overline{y_e}^{i2i3}\,y_e^{pi4}\,y_e^{i1r}\,LF_{2,1,-1}[\tilde\mu,m_{\tilde e}^r]-$$
$$\frac{1}{4}\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{pr}\,\overline{y_e}^{i2i3}\,y_e^{pi4}\,y_e^{i1r}\,LF_{2,1,-1}[\tilde\mu,m_{\tilde l}^p]+$$
$$\frac{1}{12}\,g_1^2\,\overline{y_e}^{pi3}\,y_e^{pi4}\,LF_{2,1,0}[\tilde\mu,m_{\tilde l}^p]\,\delta_{i1i2}-\frac{5}{12}\,g_1^2\,\overline{y_e}^{pi3}\,y_e^{pi4}\,LF_{3,1,-1}[\tilde\mu,m_{\tilde l}^p]\,\delta_{i1i2}+$$
$$\frac{1}{6}\,g_1^2\,\overline{y_e}^{pi3}\,y_e^{pi4}\,LF_{4,1,-2}[\tilde\mu,m_{\tilde l}^p]\,\delta_{i1i2}-\frac{1}{4}\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{ri3}\,\overline{y_e}^{i2p}\,y_e^{rp}\,y_e^{i1i4}\,LF_{2,1,-1}[\tilde\mu,m_{\tilde l}^r]-$$
$$\frac{1}{2}\,m_1\,s_\gamma\,g_1^2\,\frac{1}{m_\Phi^2}\,y_e^{i1i4}\,(s_\gamma\,\overline{a_e}^{i2i3}+\tilde\mu\,c_\gamma\,\overline{y_e}^{i2i3})\,LF_{1,1,1,0}[m_1,m_{\tilde e}^{i3},m_{\tilde l}^{i2}]+$$
$$\frac{1}{8}\,m_1\,c_\gamma\,g_1^2\,y_e^{i1i4}\,(c_\gamma\,\overline{a_e}^{i2i3}-s_\gamma\,\tilde\mu\,\overline{y_e}^{i2i3})\,LF_{2,2,1,-1}[m_1,m_{\tilde e}^{i3},m_{\tilde l}^{i2}]-$$
$$\frac{1}{2}\,g_1^2\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{1,1,1,-1}[m_1,m_{\tilde e}^{i3},\tilde\mu]+$$
$$\frac{1}{2}\,m_1\,s_\gamma\,\tilde\mu\,c_\gamma\,g_1^2\,\frac{1}{m_\Phi^2}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{1,1,1,0}[m_1,m_{\tilde e}^{i3},\tilde\mu]-$$
$$\frac{1}{2}\,m_1\,s_\gamma\,g_1^2\,\frac{1}{m_\Phi^2}\,\overline{y_e}^{i2i3}\,(s_\gamma\,a_e^{i1i4}+\tilde\mu\,c_\gamma\,y_e^{i1i4})\,LF_{1,1,1,0}[m_1,m_{\tilde e}^{i4},m_{\tilde l}^{i1}]+$$
$$\frac{1}{8}\,m_1\,c_\gamma\,g_1^2\,\overline{y_e}^{i2i3}\,(c_\gamma\,a_e^{i1i4}-s_\gamma\,\tilde\mu\,y_e^{i1i4})\,LF_{2,2,1,-1}[m_1,m_{\tilde e}^{i4},m_{\tilde l}^{i1}]-$$
$$\frac{1}{4}\,g_1^4\,LF_{2,1,1,-1}[m_1,m_{\tilde e}^{i4},m_{\tilde l}^{i2}]\,\delta_{i1i2}\,\delta_{i3i4}-\frac{1}{2}\,g_1^4\,m_1^2\,LF_{2,1,1,0}[m_1,m_{\tilde e}^{i4},m_{\tilde l}^{i2}]\,\delta_{i1i2}\,\delta_{i3i4}-$$
$$\frac{1}{2}\,g_1^2\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{1,1,1,-1}[m_1,m_{\tilde e}^{i4},\tilde\mu]+$$
$$\frac{1}{2}\,m_1\,s_\gamma\,\tilde\mu\,c_\gamma\,g_1^2\,\frac{1}{m_\Phi^2}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{1,1,1,0}[m_1,m_{\tilde e}^{i4},\tilde\mu]+$$
$$\frac{1}{8}\,m_1\,c_\gamma\,g_1^2\,\overline{y_e}^{i2i3}\,(c_\gamma\,a_e^{i1i4}-s_\gamma\,\tilde\mu\,y_e^{i1i4})\,LF_{2,2,1,-1}[m_1,m_{\tilde l}^{i1},m_{\tilde e}^{i4}]+$$
$$\frac{1}{4}\,g_1^2\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{1,1,1,-1}[m_1,m_{\tilde l}^{i1},\tilde\mu]-$$
$$\frac{1}{4}\,m_1\,s_\gamma\,\tilde\mu\,c_\gamma\,g_1^2\,\frac{1}{m_\Phi^2}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{1,1,1,0}[m_1,m_{\tilde l}^{i1},\tilde\mu]+$$
$$\frac{1}{8}\,m_1\,c_\gamma\,g_1^2\,y_e^{i1i4}\,(c_\gamma\,\overline{a_e}^{i2i3}-s_\gamma\,\tilde\mu\,\overline{y_e}^{i2i3})\,LF_{2,2,1,-1}[m_1,m_{\tilde l}^{i2},m_{\tilde e}^{i3}]+$$
$$\frac{1}{4}\,g_1^2\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{1,1,1,-1}[m_1,m_{\tilde l}^{i2},\tilde\mu]-$$
$$\frac{1}{4}\,m_1\,s_\gamma\,\tilde\mu\,c_\gamma\,g_1^2\,\frac{1}{m_\Phi^2}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{1,1,1,0}[m_1,m_{\tilde l}^{i2},\tilde\mu]-$$
$$\frac{1}{4}\,g_1^2\,c_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{2,2,1,-2}[m_1,\tilde\mu,m_{\tilde e}^{i3}]-$$
$$\frac{1}{4}\,m_1\,s_\gamma\,\tilde\mu\,c_\gamma\,g_1^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{2,2,1,-1}[m_1,\tilde\mu,m_{\tilde e}^{i3}]-$$
$$\frac{1}{4}\,g_1^2\,c_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{2,2,1,-2}[m_1,\tilde\mu,m_{\tilde e}^{i4}]-$$
$$\frac{1}{4}\,m_1\,s_\gamma\,\tilde\mu\,c_\gamma\,g_1^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{2,2,1,-1}[m_1,\tilde\mu,m_{\tilde e}^{i4}]+$$
$$\frac{1}{8}\,g_1^2\,c_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{2,2,1,-2}[m_1,\tilde\mu,m_{\tilde l}^{i1}]+$$
$$\frac{1}{8}\,m_1\,s_\gamma\,\tilde\mu\,c_\gamma\,g_1^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{2,2,1,-1}[m_1,\tilde\mu,m_{\tilde l}^{i1}]+$$
$$\frac{1}{8}\,g_1^2\,c_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{2,2,1,-2}[m_1,\tilde\mu,m_{\tilde l}^{i2}]+$$
$$\frac{1}{8}\,m_1\,s_\gamma\,\tilde\mu\,c_\gamma\,g_1^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{2,2,1,-1}[m_1,\tilde\mu,m_{\tilde l}^{i2}]-$$
$$\frac{3}{4}\,g_2^2\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{1,1,1,-1}[m_2,m_{\tilde l}^{i1},\tilde\mu]+$$
$$\frac{3}{4}\,m_2\,s_\gamma\,\tilde\mu\,c_\gamma\,g_2^2\,\frac{1}{m_\Phi^2}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{1,1,1,0}[m_2,m_{\tilde l}^{i1},\tilde\mu]-$$
$$\frac{3}{4}\,g_2^2\,\frac{1}{m_\Phi^2}\,s_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{1,1,1,-1}[m_2,m_{\tilde l}^{i2},\tilde\mu]+$$
$$\frac{3}{4}\,m_2\,s_\gamma\,\tilde\mu\,c_\gamma\,g_2^2\,\frac{1}{m_\Phi^2}\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{1,1,1,0}[m_2,m_{\tilde l}^{i2},\tilde\mu]-$$
$$\frac{3}{8}\,g_2^2\,c_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{2,2,1,-2}[m_2,\tilde\mu,m_{\tilde l}^{i1}]-$$
$$\frac{3}{8}\,m_2\,s_\gamma\,\tilde\mu\,c_\gamma\,g_2^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{2,2,1,-1}[m_2,\tilde\mu,m_{\tilde l}^{i1}]-$$
$$\frac{3}{8}\,g_2^2\,c_\gamma^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{2,2,1,-2}[m_2,\tilde\mu,m_{\tilde l}^{i2}]-$$
$$\frac{3}{8}\,m_2\,s_\gamma\,\tilde\mu\,c_\gamma\,g_2^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{2,2,1,-1}[m_2,\tilde\mu,m_{\tilde l}^{i2}]+$$
$$\frac{1}{4}\,m_1\,c_\gamma\,g_1^2\,y_e^{i1i4}\,(-c_\gamma\,\overline{a_e}^{i2i3}+s_\gamma\,\tilde\mu\,\overline{y_e}^{i2i3})\,LF_{2,1,1,0}[m_{\tilde e}^{i3},m_1,m_{\tilde l}^{i2}]+$$
$$\frac{1}{4}\,m_1\,c_\gamma\,g_1^2\,y_e^{i1i4}\,(c_\gamma\,\overline{a_e}^{i2i3}-s_\gamma\,\tilde\mu\,\overline{y_e}^{i2i3})\,LF_{3,1,1,-1}[m_{\tilde e}^{i3},m_1,m_{\tilde l}^{i2}]+$$
$$\frac{1}{4}\,m_1\,c_\gamma\,g_1^2\,\overline{y_e}^{i2i3}\,(-c_\gamma\,a_e^{i1i4}+s_\gamma\,\tilde\mu\,y_e^{i1i4})\,LF_{2,1,1,0}[m_{\tilde e}^{i4},m_1,m_{\tilde l}^{i1}]+$$
$$\frac{1}{4}\,m_1\,c_\gamma\,g_1^2\,\overline{y_e}^{i2i3}\,(c_\gamma\,a_e^{i1i4}-s_\gamma\,\tilde\mu\,y_e^{i1i4})\,LF_{3,1,1,-1}[m_{\tilde e}^{i4},m_1,m_{\tilde l}^{i1}]+$$
$$\frac{1}{4}\,m_1\,c_\gamma\,g_1^2\,\overline{y_e}^{i2i3}\,(-c_\gamma\,a_e^{i1i4}+s_\gamma\,\tilde\mu\,y_e^{i1i4})\,LF_{2,1,1,0}[m_{\tilde l}^{i1},m_1,m_{\tilde e}^{i4}]+$$
$$\frac{1}{4}\,m_1\,c_\gamma\,g_1^2\,\overline{y_e}^{i2i3}\,(c_\gamma\,a_e^{i1i4}-s_\gamma\,\tilde\mu\,y_e^{i1i4})\,LF_{3,1,1,-1}[m_{\tilde l}^{i1},m_1,m_{\tilde e}^{i4}]+$$
$$\frac{1}{4}\,m_1\,c_\gamma\,g_1^2\,y_e^{i1i4}\,(-c_\gamma\,\overline{a_e}^{i2i3}+s_\gamma\,\tilde\mu\,\overline{y_e}^{i2i3})\,LF_{2,1,1,0}[m_{\tilde l}^{i2},m_1,m_{\tilde e}^{i3}]+$$
$$\frac{1}{4}\,m_1\,c_\gamma\,g_1^2\,y_e^{i1i4}\,(c_\gamma\,\overline{a_e}^{i2i3}-s_\gamma\,\tilde\mu\,\overline{y_e}^{i2i3})\,LF_{3,1,1,-1}[m_{\tilde l}^{i2},m_1,m_{\tilde e}^{i3}]-$$
$$\frac{1}{4}\,\overline{y_e}^{ri3}\,\overline{y_e}^{i2p}\,y_e^{ri4}\,y_e^{i1p}\,LF_{2,1,1,-1}[\tilde\mu,m_{\tilde e}^p,m_{\tilde l}^r]-$$
$$\frac{1}{4}\,g_1^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{1,1,1,1,-1}[m_1,m_{\tilde e}^{i3},m_{\tilde l}^{i1},\tilde\mu]+$$
$$\frac{1}{2}\,g_1^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{1,1,1,1,-1}[m_1,m_{\tilde e}^{i4},m_{\tilde e}^{i3},\tilde\mu]-$$
$$\frac{1}{4}\,g_1^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{1,1,1,1,-1}[m_1,m_{\tilde e}^{i4},m_{\tilde l}^{i2},\tilde\mu]+$$
$$\frac{1}{8}\,g_1^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{1,1,1,1,-1}[m_1,m_{\tilde l}^{i2},m_{\tilde l}^{i1},\tilde\mu]+$$
$$\frac{3}{8}\,g_2^2\,\overline{y_e}^{i2i3}\,y_e^{i1i4}\,LF_{1,1,1,1,-1}[m_2,m_{\tilde l}^{i2},m_{\tilde l}^{i1},\tilde\mu]\Big)$$