$$
\begin{aligned}
&Y_e^{i1\_i2\_} \to c_\gamma\, y_e^{i1i2} + \hbar \left(\frac{1}{16}\, c_\gamma\, \frac{1}{m_\oplus^2} \left(m_\oplus^2\, y_e^{i1i2} \left(3\, g_2^2 \left(1 + 2\, c_\gamma^2 + 2\, s_\gamma^2 \right) + g_1^2 \left(5 + 2\, c_\gamma^2 + 2\, s_\gamma^2 \right) \right) + \right.\right. \\
&\qquad \left.\left. \overline{y_e}^{pr} \left(6\, m_\oplus^2\, y_e^{pi2}\, y_e^{i1r} \left(1 + s_\gamma^2 \right) + 8\, m_H^2\, s_\gamma^2\, y_e^{pr}\, y_e^{i1i2} \right) \right) - \\
&\frac{1}{2} \sum_p s_{2\gamma}\, s_\gamma\, g_1^2\, \frac{1}{m_\oplus^4}\, y_e^{i1i2} \left(m_H^2 + m_\oplus^2 \right) LF_{1,0}\left[m_{\tilde{d}}^{\ p} \right] + \frac{3}{2}\, s_{2\gamma}\, s_\gamma\, \frac{1}{m_\oplus^4}\, \overline{y_d}^{pr}\, y_d^{pr}\, y_e^{i1i2} \\
&\quad \left(m_H^2 + m_\oplus^2 \right) LF_{1,0}\left[m_{\tilde{d}}^{\ r} \right] - \frac{1}{2} \sum_p s_{2\gamma}\, s_\gamma\, g_1^2\, \frac{1}{m_\oplus^4}\, y_e^{i1i2} \left(m_H^2 + m_\oplus^2 \right) LF_{1,0}\left[m_{\tilde{e}}^{\ p} \right] + \\
&\frac{1}{2}\, s_{2\gamma}\, s_\gamma\, \frac{1}{m_\oplus^4}\, \overline{y_e}^{pr}\, y_e^{pr}\, y_e^{i1i2} \left(m_H^2 + m_\oplus^2 \right) LF_{1,0}\left[m_{\tilde{e}}^{\ r} \right] + \\
&\frac{1}{2}\, s_{2\gamma}\, s_\gamma\, \frac{1}{m_\oplus^4}\, y_e^{i1i2} \left(m_H^2 + m_\oplus^2 \right) \left(\overline{y_e}^{pr}\, y_e^{pr} + \sum_p g_1^2 \right) LF_{1,0}\left[m_{\tilde{l}}^{\ p} \right] - \\
&\frac{1}{2}\, s_{2\gamma}\, s_\gamma\, \frac{1}{m_\oplus^4}\, y_e^{i1i2} \left(m_H^2 + m_\oplus^2 \right) \left(-3\, \overline{y_d}^{pr}\, y_d^{pr} + 3\, \overline{y_u}^{pr}\, y_u^{pr} + \sum_p g_1^2 \right) LF_{1,0}\left[m_q^{\ p} \right] + \\
&\sum_p s_{2\gamma}\, s_\gamma\, g_1^2\, \frac{1}{m_\oplus^4}\, y_e^{i1i2} \left(m_H^2 + m_\oplus^2 \right) LF_{1,0}\left[m_{\tilde{u}}^{\ p} \right] - \\
&\frac{3}{2}\, s_{2\gamma}\, s_\gamma\, \frac{1}{m_\oplus^4}\, y_e^{i1i2}\, \overline{y_u}^{pr}\, y_u^{pr} \left(m_H^2 + m_\oplus^2 \right) LF_{1,0}\left[m_{\tilde{u}}^{\ r} \right] - \\
&\frac{3}{8}\, s_{4\gamma}\, s_\gamma\, \frac{1}{m_\oplus^4}\, y_e^{i1i2} \left(g_1^2 + g_2^2 \right) \left(m_H^2 + m_\oplus^2 \right) LF_{1,0}[m_\oplus] - \frac{3}{4}\, c_\gamma\, s_\gamma^2\, \overline{y_e}^{pr}\, y_e^{pi2}\, y_e^{i1r}\, LF_{1,1}[m_\oplus] - \\
&c_\gamma\, g_1^2\, y_e^{i1i2}\, LF_{1,1,0}\left[m_1, m_{\tilde{e}}^{\ i2} \right] + \frac{1}{2}\, c_\gamma\, g_1^2\, y_e^{i1i2}\, LF_{2,1,-1}\left[m_1, m_{\tilde{e}}^{\ i2} \right] - \\
&\frac{1}{4}\, c_\gamma\, g_1^2\, y_e^{i1i2}\, LF_{1,1,0}\left[m_1, m_{\tilde{l}}^{\ i1} \right] + \frac{1}{8}\, c_\gamma\, g_1^2\, y_e^{i1i2}\, LF_{2,1,-1}\left[m_1, m_{\tilde{l}}^{\ i1} \right] + \\
&m_1\, s_\gamma\, \tilde{\mu}\, g_1^2\, \frac{1}{m_\oplus^4}\, y_e^{i1i2} \left(m_H^2 + m_\oplus^2 \right) \left(c_\gamma^2 - s_\gamma^2 \right) LF_{1,1,0}[m_1, \tilde{\mu}] - \frac{3}{4}\, c_\gamma\, g_2^2\, y_e^{i1i2}\, LF_{1,1,0}\left[m_2, m_{\tilde{l}}^{\ i1} \right] + \\
&\frac{3}{8}\, c_\gamma\, g_2^2\, y_e^{i1i2}\, LF_{2,1,-1}\left[m_2, m_{\tilde{l}}^{\ i1} \right] + 3\, m_2\, s_\gamma\, \tilde{\mu}\, g_2^2\, \frac{1}{m_\oplus^4}\, y_e^{i1i2} \left(m_H^2 + m_\oplus^2 \right) \left(c_\gamma^2 - s_\gamma^2 \right) LF_{1,1,0}[m_2, \tilde{\mu}] + \\
&3\, s_\gamma\, \frac{1}{m_\oplus^4}\, y_e^{i1i2} \left(m_H^2 + m_\oplus^2 \right) \left(s_\gamma\, \overline{a_d}^{pr} + \tilde{\mu}\, c_\gamma\, \overline{y_d}^{pr} \right) \left(c_\gamma\, a_d^{pr} - s_\gamma\, \tilde{\mu}\, y_d^{pr} \right) LF_{1,1,0}\left[m_{\tilde{d}}^{\ r}, m_{\tilde{q}}^{\ p} \right] + \\
&s_\gamma\, \frac{1}{m_\oplus^4}\, y_e^{i1i2} \left(m_H^2 + m_\oplus^2 \right) \left(s_\gamma\, \overline{a_e}^{pr} + \tilde{\mu}\, c_\gamma\, \overline{y_e}^{pr} \right) \left(c_\gamma\, a_e^{pr} - s_\gamma\, \tilde{\mu}\, y_e^{pr} \right) LF_{1,1,0}\left[m_{\tilde{e}}^{\ r}, m_{\tilde{l}}^{\ p} \right] - \\
&\frac{1}{2}\, c_\gamma\, \overline{y_e}^{pr}\, y_e^{pi2}\, y_e^{i1r}\, LF_{1,1,0}\left[m_{\tilde{e}}^{\ r}, \tilde{\mu} \right] + \frac{1}{2}\, \frac{1}{m_\oplus^2}\, y_e^{i1i2} \\
&\quad \left(\overline{a_e}^{pr} \left(m_\oplus^2\, c_\gamma^2 - 2\, m_H^2\, s_\gamma^2 \right) - s_\gamma\, \tilde{\mu}\, c_\gamma\, \overline{y_e}^{pr} \left(2\, m_H^2 + m_\oplus^2 \right) \right) \left(c_\gamma\, a_e^{pr} - s_\gamma\, \tilde{\mu}\, y_e^{pr} \right) LF_{2,1,0}\left[m_{\tilde{l}}^{\ p}, m_{\tilde{e}}^{\ r} \right] - \\
&\frac{1}{2}\, \frac{1}{m_\oplus^2}\, y_e^{i1i2} \left(\overline{a_e}^{pr} \left(m_\oplus^2\, c_\gamma^2 - 2\, m_H^2\, s_\gamma^2 \right) - s_\gamma\, \tilde{\mu}\, c_\gamma\, \overline{y_e}^{pr} \left(2\, m_H^2 + m_\oplus^2 \right) \right) \left(c_\gamma\, a_e^{pr} - s_\gamma\, \tilde{\mu}\, y_e^{pr} \right) \\
&\quad LF_{3,1,-1}\left[m_{\tilde{l}}^{\ p}, m_{\tilde{e}}^{\ r} \right] - m_H^2\, c_\gamma\, y_e^{i1i2} \left(c_\gamma\, \overline{a_e}^{pr} - s_\gamma\, \tilde{\mu}\, \overline{y_e}^{pr} \right) \left(c_\gamma\, a_e^{pr} - s_\gamma\, \tilde{\mu}\, y_e^{pr} \right) LF_{3,1,0}\left[m_{\tilde{l}}^{\ p}, m_{\tilde{e}}^{\ r} \right] + \\
&3\, m_H^2\, c_\gamma\, y_e^{i1i2} \left(c_\gamma\, \overline{a_e}^{pr} - s_\gamma\, \tilde{\mu}\, \overline{y_e}^{pr} \right) \left(c_\gamma\, a_e^{pr} - s_\gamma\, \tilde{\mu}\, y_e^{pr} \right) LF_{4,1,-1}\left[m_{\tilde{l}}^{\ p}, m_{\tilde{e}}^{\ r} \right] - \\
&2\, m_H^2\, c_\gamma\, y_e^{i1i2} \left(c_\gamma\, \overline{a_e}^{pr} - s_\gamma\, \tilde{\mu}\, \overline{y_e}^{pr} \right) \left(c_\gamma\, a_e^{pr} - s_\gamma\, \tilde{\mu}\, y_e^{pr} \right) LF_{5,1,-2}\left[m_{\tilde{l}}^{\ p}, m_{\tilde{e}}^{\ r} \right] - \\
&c_\gamma\, \overline{y_e}^{pr}\, y_e^{pi2}\, y_e^{i1r}\, LF_{1,1,0}\left[m_{\tilde{l}}^{\ p}, \tilde{\mu} \right] + \frac{3}{2}\, \frac{1}{m_\oplus^2}\, y_e^{i1i2} \\
&\quad \left(\overline{a_d}^{pr} \left(m_\oplus^2\, c_\gamma^2 - 2\, m_H^2\, s_\gamma^2 \right) - s_\gamma\, \tilde{\mu}\, c_\gamma\, \overline{y_d}^{pr} \left(2\, m_H^2 + m_\oplus^2 \right) \right) \left(c_\gamma\, a_d^{pr} - s_\gamma\, \tilde{\mu}\, y_d^{pr} \right) LF_{2,1,0}\left[m_q^{\ p}, m_{\tilde{d}}^{\ r} \right] - \\
&\frac{3}{2}\, \frac{1}{m_\oplus^2}\, y_e^{i1i2} \left(\overline{a_d}^{pr} \left(m_\oplus^2\, c_\gamma^2 - 2\, m_H^2\, s_\gamma^2 \right) - s_\gamma\, \tilde{\mu}\, c_\gamma\, \overline{y_d}^{pr} \left(2\, m_H^2 + m_\oplus^2 \right) \right) \left(c_\gamma\, a_d^{pr} - s_\gamma\, \tilde{\mu}\, y_d^{pr} \right) \\
&\quad LF_{3,1,-1}\left[m_q^{\ p}, m_{\tilde{d}}^{\ r} \right] - 3\, m_H^2\, c_\gamma\, y_e^{i1i2} \left(c_\gamma\, \overline{a_d}^{pr} - s_\gamma\, \tilde{\mu}\, \overline{y_d}^{pr} \right) \left(c_\gamma\, a_d^{pr} - s_\gamma\, \tilde{\mu}\, y_d^{pr} \right) LF_{3,1,0}\left[m_q^{\ p}, m_{\tilde{d}}^{\ r} \right] + \\
&9\, m_H^2\, c_\gamma\, y_e^{i1i2} \left(c_\gamma\, \overline{a_d}^{pr} - s_\gamma\, \tilde{\mu}\, \overline{y_d}^{pr} \right) \left(c_\gamma\, a_d^{pr} - s_\gamma\, \tilde{\mu}\, y_d^{pr} \right) LF_{4,1,-1}\left[m_q^{\ p}, m_{\tilde{d}}^{\ r} \right] - \\
&6\, m_H^2\, c_\gamma\, y_e^{i1i2} \left(c_\gamma\, \overline{a_d}^{pr} - s_\gamma\, \tilde{\mu}\, \overline{y_d}^{pr} \right) \left(c_\gamma\, a_d^{pr} - s_\gamma\, \tilde{\mu}\, y_d^{pr} \right) LF_{5,1,-2}\left[m_q^{\ p}, m_{\tilde{d}}^{\ r} \right] - \\
&3\, s_\gamma\, \frac{1}{m_\oplus^4}\, y_e^{i1i2} \left(m_H^2 + m_\oplus^2 \right) \left(s_\gamma\, \overline{a_u}^{pr} - \tilde{\mu}\, c_\gamma\, \overline{y_u}^{pr} \right) \left(c_\gamma\, a_u^{pr} + s_\gamma\, \tilde{\mu}\, y_u^{pr} \right) LF_{1,1,0}\left[m_q^{\ p}, m_{\tilde{u}}^{\ r} \right] + \\
&\frac{3}{2}\, \frac{1}{m_\oplus^2}\, y_e^{i1i2} \left(s_\gamma\, \overline{a_u}^{pr} - \tilde{\mu}\, c_\gamma\, \overline{y_u}^{pr} \right) \left(s_\gamma\, c_\gamma\, a_u^{pr} \left(2\, m_H^2 + m_\oplus^2 \right) + \tilde{\mu}\, y_u^{pr} \left(-m_\oplus^2\, c_\gamma^2 + 2\, m_H^2\, s_\gamma^2 \right) \right) LF_{2,1,0}\left[m_{\tilde{u}}^{\ r}, m_q^{\ p} \right] - \\
&\frac{3}{2}\, \frac{1}{m_\oplus^2}\, y_e^{i1i2} \left(s_\gamma\, \overline{a_u}^{pr} - \tilde{\mu}\, c_\gamma\, \overline{y_u}^{pr} \right) \\
&\quad \left(s_\gamma\, c_\gamma\, a_u^{pr} \left(2\, m_H^2 + m_\oplus^2 \right) + \tilde{\mu}\, y_u^{pr} \left(-m_\oplus^2\, c_\gamma^2 + 2\, m_H^2\, s_\gamma^2 \right) \right) LF_{3,1,-1}\left[m_{\tilde{u}}^{\ r}, m_{\tilde{q}}^{\ p} \right] - \\
&3\, m_H^2\, c_\gamma\, y_e^{i1i2} \left(-s_\gamma\, \overline{a_u}^{pr} + \tilde{\mu}\, c_\gamma\, \overline{y_u}^{pr} \right) \left(-s_\gamma\, a_u^{pr} + \tilde{\mu}\, c_\gamma\, y_u^{pr} \right) LF_{3,1,0}\left[m_{\tilde{u}}^{\ r}, m_{\tilde{q}}^{\ p} \right] + \\
&9\, m_H^2\, c_\gamma\, y_e^{i1i2} \left(-s_\gamma\, \overline{a_u}^{pr} + \tilde{\mu}\, c_\gamma\, \overline{y_u}^{pr} \right) \left(-s_\gamma\, a_u^{pr} + \tilde{\mu}\, c_\gamma\, y_u^{pr} \right) LF_{4,1,-1}\left[m_{\tilde{u}}^{\ r}, m_{\tilde{q}}^{\ p} \right] - \\
&6\, m_H^2\, c_\gamma\, y_e^{i1i2} \left(-s_\gamma\, \overline{a_u}^{pr} + \tilde{\mu}\, c_\gamma\, \overline{y_u}^{pr} \right) \left(-s_\gamma\, a_u^{pr} + \tilde{\mu}\, c_\gamma\, y_u^{pr} \right) LF_{5,1,-2}\left[m_{\tilde{u}}^{\ r}, m_{\tilde{q}}^{\ p} \right] - \\
&\frac{3}{4}\, c_\gamma\, g_1^2\, y_e^{i1i2} \left(c_\gamma^2 + s_\gamma^2 \right) LF_{2,1,-1}[\tilde{\mu}, m_1] + m_1\, s_\gamma\, \tilde{\mu}\, g_1^2\, \frac{1}{m_\oplus^2}\, y_e^{i1i2} \\
&\quad \left(-c_\gamma^2 \left(m_H^2 + m_\oplus^2 \right) + m_H^2\, s_\gamma^2 \right) LF_{2,1,0}[\tilde{\mu}, m_1] + \frac{1}{2}\, c_\gamma\, g_1^2\, y_e^{i1i2} \left(c_\gamma^2 + s_\gamma^2 \right) LF_{3,1,-2}[\tilde{\mu}, m_1] + \\
&g_1^2\, \frac{1}{m_\oplus^2}\, y_e^{i1i2} \left(2\, m_H^2\, c_\gamma\, m_\oplus^2 \left(c_\gamma^2 + s_\gamma^2 \right) + m_1\, s_\gamma\, \tilde{\mu} \left(c_\gamma^2 \left(m_H^2 + m_\oplus^2 \right) - m_H^2\, s_\gamma^2 \right) \right) LF_{3,1,-1}[\tilde{\mu}, m_1] + \\
&2\, m_1\, m_H^2\, s_\gamma\, \tilde{\mu}\, g_1^2\, c_\gamma^2\, y_e^{i1i2}\, LF_{3,1,0}[\tilde{\mu}, m_1] - 4\, m_H^2\, c_\gamma\, g_1^2\, y_e^{i1i2} \left(c_\gamma^2 + s_\gamma^2 \right) LF_{4,1,-2}[\tilde{\mu}, m_1] - \\
&6\, m_1\, m_H^2\, s_\gamma\, \tilde{\mu}\, g_1^2\, c_\gamma^2\, y_e^{i1i2}\, LF_{4,1,-1}[\tilde{\mu}, m_1] + 2\, m_H^2\, c_\gamma\, g_1^2\, y_e^{i1i2} \left(c_\gamma^2 + s_\gamma^2 \right) LF_{5,1,-3}[\tilde{\mu}, m_1] + \\
&4\, m_1\, m_H^2\, s_\gamma\, \tilde{\mu}\, g_1^2\, c_\gamma^2\, y_e^{i1i2}\, LF_{5,1,-2}[\tilde{\mu}, m_1] - \frac{9}{4}\, c_\gamma\, g_2^2\, y_e^{i1i2} \left(c_\gamma^2 + s_\gamma^2 \right) LF_{2,1,-1}[\tilde{\mu}, m_2] - \\
&3\, m_2\, s_\gamma\, \tilde{\mu}\, g_2^2\, \frac{1}{m_\oplus^2}\, y_e^{i1i2} \left(c_\gamma^2 \left(m_H^2 + m_\oplus^2 \right) - m_H^2\, s_\gamma^2 \right) LF_{2,1,0}[\tilde{\mu}, m_2] + \\
&\frac{3}{2}\, c_\gamma\, g_2^2\, y_e^{i1i2} \left(c_\gamma^2 + s_\gamma^2 \right) LF_{3,1,-2}[\tilde{\mu}, m_2] + \\
&3\, g_2^2\, \frac{1}{m_\oplus^2}\, y_e^{i1i2} \left(2\, m_H^2\, c_\gamma\, m_\oplus^2 \left(c_\gamma^2 + s_\gamma^2 \right) + m_2\, s_\gamma\, \tilde{\mu} \left(c_\gamma^2 \left(m_H^2 + m_\oplus^2 \right) - m_H^2\, s_\gamma^2 \right) \right) LF_{3,1,-1}[\tilde{\mu}, m_2] + \\
&6\, m_2\, m_H^2\, s_\gamma\, \tilde{\mu}\, g_2^2\, c_\gamma^2\, y_e^{i1i2}\, LF_{3,1,0}[\tilde{\mu}, m_2] - 12\, m_H^2\, c_\gamma\, g_2^2\, y_e^{i1i2} \left(c_\gamma^2 + s_\gamma^2 \right) LF_{4,1,-2}[\tilde{\mu}, m_2] - \\
&18\, m_2\, m_H^2\, s_\gamma\, \tilde{\mu}\, g_2^2\, c_\gamma^2\, y_e^{i1i2}\, LF_{4,1,-1}[\tilde{\mu}, m_2] + \\
&6\, m_H^2\, c_\gamma\, g_2^2\, y_e^{i1i2} \left(c_\gamma^2 + s_\gamma^2 \right) LF_{5,1,-3}[\tilde{\mu}, m_2] + 12\, m_2\, m_H^2\, s_\gamma\, \tilde{\mu}\, g_2^2\, c_\gamma^2\, y_e^{i1i2}\, LF_{5,1,-2}[\tilde{\mu}, m_2] + \\
&\frac{1}{4}\, c_\gamma\, \overline{y_e}^{pr}\, y_e^{pi2}\, y_e^{i1r}\, LF_{2,1,-1}\left[\tilde{\mu}, m_{\tilde{e}}^{\ r} \right] + \frac{1}{2}\, c_\gamma\, \overline{y_e}^{pr}\, y_e^{pi2}\, y_e^{i1r}\, LF_{2,1,-1}\left[\tilde{\mu}, m_{\tilde{l}}^{\ p} \right] + \\
&m_1\, g_1^2 \left(c_\gamma\, a_e^{i1i2} - s_\gamma\, \tilde{\mu}\, y_e^{i1i2} \right) LF_{1,1,1,0}\left[m_1, m_{\tilde{e}}^{\ i2}, m_{\tilde{l}}^{\ i1} \right] + \\
&\frac{1}{4}\, m_1\, m_H^2\, g_1^2 \left(c_\gamma\, a_e^{i1i2} - s_\gamma\, \tilde{\mu}\, y_e^{i1i2} \right) LF_{2,2,1,-1}\left[m_1, m_{\tilde{e}}^{\ i2}, m_{\tilde{l}}^{\ i1} \right] + \\
&c_\gamma\, g_1^2\, y_e^{i1i2}\, LF_{1,1,1,-1}\left[m_1, m_{\tilde{e}}^{\ i2}, \tilde{\mu} \right] + m_1\, s_\gamma\, \tilde{\mu}\, g_1^2\, y_e^{i1i2}\, LF_{1,1,1,0}\left[m_1, m_{\tilde{e}}^{\ i2}, \tilde{\mu} \right] + \\
&\frac{1}{4}\, m_1\, m_H^2\, g_1^2 \left(c_\gamma\, a_e^{i1i2} - s_\gamma\, \tilde{\mu}\, y_e^{i1i2} \right) LF_{2,2,1,-1}\left[m_1, m_{\tilde{l}}^{\ i1}, m_{\tilde{e}}^{\ i2} \right] - \\
&\frac{1}{2}\, c_\gamma\, g_1^2\, y_e^{i1i2}\, LF_{1,1,1,-1}\left[m_1, m_{\tilde{l}}^{\ i1}, \tilde{\mu} \right] - \frac{1}{2}\, m_1\, s_\gamma\, \tilde{\mu}\, g_1^2\, y_e^{i1i2}\, LF_{1,1,1,0}\left[m_1, m_{\tilde{l}}^{\ i1}, \tilde{\mu} \right] - \\
&\frac{1}{2}\, m_H^2\, c_\gamma\, g_1^2\, y_e^{i1i2}\, LF_{2,2,1,-2}\left[m_1, \tilde{\mu}, m_{\tilde{e}}^{\ i2} \right] - \frac{1}{2}\, m_1\, m_H^2\, s_\gamma\, \tilde{\mu}\, g_1^2\, y_e^{i1i2}\, LF_{2,2,1,-1}\left[m_1, \tilde{\mu}, m_e^{\ i2} \right] + \\
&\frac{1}{4}\, m_H^2\, c_\gamma\, g_1^2\, y_e^{i1i2}\, LF_{2,2,1,-2}\left[m_1, \tilde{\mu}, m_{\tilde{l}}^{\ i1} \right] + \frac{1}{4}\, m_1\, m_H^2\, s_\gamma\, \tilde{\mu}\, g_1^2\, y_e^{i1i2}\, LF_{2,2,1,-1}\left[m_1, \tilde{\mu}, m_{\tilde{l}}^{\ i1} \right] + \\
&\frac{3}{2}\, c_\gamma\, g_2^2\, y_e^{i1i2}\, LF_{1,1,1,-1}\left[m_2, m_{\tilde{l}}^{\ i1}, \tilde{\mu} \right] + \frac{3}{2}\, m_2\, s_\gamma\, \tilde{\mu}\, g_2^2\, y_e^{i1i2}\, LF_{1,1,1,0}\left[m_2, m_{\tilde{l}}^{\ i1}, \tilde{\mu} \right] - \\
&\frac{3}{4}\, m_H^2\, c_\gamma\, g_2^2\, y_e^{i1i2}\, LF_{2,2,1,-2}\left[m_2, \tilde{\mu}, m_{\tilde{l}}^{\ i1} \right] - \frac{3}{4}\, m_2\, m_H^2\, s_\gamma\, \tilde{\mu}\, g_2^2\, y_e^{i1i2}\, LF_{2,2,1,-1}\left[m_2, \tilde{\mu}, m_{\tilde{l}}^{\ i1} \right] + \\
&\frac{1}{2}\, m_1\, m_H^2\, g_1^2 \left(-c_\gamma\, a_e^{i1i2} + s_\gamma\, \tilde{\mu}\, y_e^{i1i2} \right) LF_{2,1,1,0}\left[m_{\tilde{e}}^{\ i2}, m_1, m_{\tilde{l}}^{\ i1} \right] + \\
&\frac{1}{2}\, m_1\, m_H^2\, g_1^2 \left(c_\gamma\, a_e^{i1i2} - s_\gamma\, \tilde{\mu}\, y_e^{i1i2} \right) LF_{3,1,1,-1}\left[m_{\tilde{e}}^{\ i2}, m_1, m_{\tilde{l}}^{\ i1} \right] + \\
&\frac{1}{2}\, m_1\, m_H^2\, g_1^2 \left(-c_\gamma\, a_e^{i1i2} + s_\gamma\, \tilde{\mu}\, y_e^{i1i2} \right) LF_{2,1,1,0}\left[m_{\tilde{l}}^{\ i1}, m_1, m_e^{\ i2} \right] + \\
&\frac{1}{2}\, m_1\, m_H^2\, g_1^2 \left(c_\gamma\, a_e^{i1i2} - s_\gamma\, \tilde{\mu}\, y_e^{i1i2} \right) LF_{3,1,1,-1}\left[m_{\tilde{l}}^{\ i1}, m_1, m_{\tilde{e}}^{\ i2} \right] \Big)
\end{aligned}
$$