

$$\begin{aligned} & \frac{1}{12} \frac{1}{12} \rightarrow \tilde{h} \left(-\frac{1}{144} \frac{1}{m_\Sigma^2} s_\gamma^2 \overline{y}_e^{-i2p} (g_2^2 y_e^{i1p} + 12 c_\gamma^2 \overline{y}_e^{rs} y_e^{rp} y_e^{i1s}) + \frac{1}{9} g_2^4 \text{LF}_{3,0} [m_2] \delta_{i1i2} + \right. \\ & \frac{1}{6} g_2^4 \text{LF}_{4,-1} [m_2] \delta_{i1i2} - \frac{8}{45} g_2^4 \text{LF}_{5,-2} [m_2] \delta_{i1i2} + \frac{1}{18} \sum_p g_2^4 \text{LF}_{3,0} [m_l^p] \delta_{i1i2} - \\ & \frac{5}{48} \sum_p g_2^4 \text{LF}_{4,-1} [m_l^p] \delta_{i1i2} + \frac{2}{45} \sum_p g_2^4 \text{LF}_{5,-2} [m_l^p] \delta_{i1i2} + \frac{1}{6} \sum_p g_2^4 \text{LF}_{3,0} [m_q^p] \delta_{i1i2} - \\ & \frac{5}{16} \sum_p g_2^4 \text{LF}_{4,-1} [m_q^p] \delta_{i1i2} + \frac{2}{15} \sum_p g_2^4 \text{LF}_{5,-2} [m_q^p] \delta_{i1i2} - \frac{1}{24} g_2^2 s_\gamma^2 \overline{y}_e^{-i2p} y_e^{i1p} \text{LF}_{2,1} [m_\Sigma] + \\ & \frac{1}{72} (3 g_2^2 s_\gamma^2 \overline{y}_e^{-i2p} y_e^{i1p} + 4 g_2^4 \delta_{i1i2}) \text{LF}_{3,0} [m_\Sigma] - \frac{5}{48} g_2^4 \text{LF}_{4,-1} [m_\Sigma] \delta_{i1i2} + \\ & \frac{2}{45} g_2^4 \text{LF}_{5,-2} [m_\Sigma] \delta_{i1i2} + \frac{1}{18} g_2^4 \text{LF}_{3,0} [\tilde{\mu}] \delta_{i1i2} + \frac{1}{12} g_2^4 \text{LF}_{4,-1} [\tilde{\mu}] \delta_{i1i2} - \frac{4}{45} g_2^4 \text{LF}_{5,-2} [\tilde{\mu}] \delta_{i1i2} + \\ & \frac{1}{2} g_1^2 c_\gamma^2 \overline{y}_e^{-i2p} y_e^{i1p} \text{LF}_{2,1,0} [m_1, m_e^p] - g_1^2 c_\gamma^2 \overline{y}_e^{-i2p} y_e^{i1p} \text{LF}_{3,1,-1} [m_1, m_e^p] + \\ & \frac{1}{2} g_1^2 c_\gamma^2 \overline{y}_e^{-i2p} y_e^{i1p} \text{LF}_{4,1,-2} [m_1, m_e^p] + \frac{1}{48} g_1^2 g_2^2 \text{LF}_{2,1,0} [m_1, m_l^{i2}] \delta_{i1i2} + \\ & \frac{1}{48} g_1^2 g_2^2 \text{LF}_{2,2,-1} [m_1, m_l^{i2}] \delta_{i1i2} - \frac{1}{24} g_1^2 g_2^2 \text{LF}_{3,1,-1} [m_1, m_l^{i2}] \delta_{i1i2} + \\ & \frac{1}{48} g_1^2 g_2^2 \text{LF}_{4,1,-2} [m_1, m_l^{i2}] \delta_{i1i2} - \frac{1}{48} g_2^4 \text{LF}_{2,1,0} [m_2, m_l^{i2}] \delta_{i1i2} - \\ & \frac{1}{48} g_2^4 \text{LF}_{2,2,-1} [m_2, m_l^{i2}] \delta_{i1i2} - \frac{5}{24} g_2^4 \text{LF}_{3,1,-1} [m_2, m_l^{i2}] \delta_{i1i2} + \frac{1}{16} g_2^4 \text{LF}_{4,1,-2} [m_2, m_l^{i2}] \delta_{i1i2} - \\ & \frac{1}{3} g_2^4 (c_\gamma^2 + s_\gamma^2) \text{LF}_{2,1,0} [m_2, \tilde{\mu}] \delta_{i1i2} - \frac{1}{3} g_2^4 (c_\gamma^2 + s_\gamma^2) \text{LF}_{2,2,-1} [m_2, \tilde{\mu}] \delta_{i1i2} - \\ & \frac{2}{3} m_2 s_\gamma \tilde{\mu} c_\gamma g_2^4 \text{LF}_{2,2,0} [m_2, \tilde{\mu}] \delta_{i1i2} + \frac{1}{6} g_2^4 (c_\gamma^2 + s_\gamma^2) \text{LF}_{3,1,-1} [m_2, \tilde{\mu}] \delta_{i1i2} + \\ & \frac{1}{6} g_2^4 (c_\gamma^2 + s_\gamma^2) \text{LF}_{3,2,-2} [m_2, \tilde{\mu}] \delta_{i1i2} + \frac{1}{3} m_2 s_\gamma \tilde{\mu} c_\gamma g_2^4 \text{LF}_{3,2,-1} [m_2, \tilde{\mu}] \delta_{i1i2} + \\ & \frac{1}{8} g_2^2 (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}) \text{LF}_{4,1,-1} [m_l^p, m_e^r] \delta_{i1i2} - \\ & \frac{1}{6} g_2^2 (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}) \text{LF}_{5,1,-2} [m_l^p, m_e^r] \delta_{i1i2} - \\ & \frac{1}{24} g_1^2 g_2^2 \text{LF}_{2,1,0} [m_l^{i2}, m_1] \delta_{i1i2} + \frac{1}{48} g_1^2 g_2^2 \text{LF}_{3,1,-1} [m_l^{i2}, m_1] \delta_{i1i2} + \\ & \frac{1}{24} g_2^4 \text{LF}_{2,1,0} [m_l^{i2}, m_2] \delta_{i1i2} - \frac{1}{48} g_2^4 \text{LF}_{3,1,-1} [m_l^{i2}, m_2] \delta_{i1i2} + \\ & \frac{3}{8} g_2^2 (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}) \text{LF}_{4,1,-1} [m_q^p, m_d^r] \delta_{i1i2} - \\ & \frac{1}{2} g_2^2 (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}) \text{LF}_{5,1,-2} [m_q^p, m_d^r] \delta_{i1i2} + \\ & \frac{1}{4} g_2^2 (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}) \text{LF}_{2,2,0} [m_q^p, m_u^r] \delta_{i1i2} - \\ & \frac{1}{8} g_2^2 (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}) \text{LF}_{3,2,-1} [m_q^p, m_u^r] \delta_{i1i2} - \\ & \frac{1}{4} g_2^2 (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}) \text{LF}_{3,1,0} [m_u^r, m_q^p] \delta_{i1i2} - \\ & \frac{1}{4} g_2^2 (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}) \text{LF}_{3,2,-1} [m_u^r, m_q^p] \delta_{i1i2} + \\ & \frac{3}{4} g_2^2 (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}) \text{LF}_{4,1,-1} [m_u^r, m_q^p] \delta_{i1i2} - \\ & \frac{1}{2} g_2^2 (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}) \text{LF}_{5,1,-2} [m_u^r, m_q^p] \delta_{i1i2} - \\ & \frac{5}{24} g_1^2 g_2^2 (c_\gamma^2 + s_\gamma^2) \text{LF}_{4,1,-2} [\tilde{\mu}, m_1] \delta_{i1i2} - \\ & \frac{1}{4} m_1 s_\gamma \tilde{\mu} c_\gamma g_1^2 g_2^2 \text{LF}_{4,1,-1} [\tilde{\mu}, m_1] \delta_{i1i2} + \frac{1}{6} g_1^2 g_2^2 (c_\gamma^2 + s_\gamma^2) \text{LF}_{5,1,-3} [\tilde{\mu}, m_1] \delta_{i1i2} + \\ & \frac{1}{3} m_1 s_\gamma \tilde{\mu} c_\gamma g_1^2 g_2^2 \text{LF}_{5,1,-2} [\tilde{\mu}, m_1] \delta_{i1i2} + \frac{2}{3} g_2^4 (c_\gamma^2 + s_\gamma^2) \text{LF}_{3,1,-1} [\tilde{\mu}, m_2] \delta_{i1i2} + \\ & \frac{2}{3} m_2 s_\gamma \tilde{\mu} c_\gamma g_2^4 \text{LF}_{3,1,0} [\tilde{\mu}, m_2] \delta_{i1i2} + \frac{1}{3} g_2^4 (c_\gamma^2 + s_\gamma^2) \text{LF}_{3,2,-2} [\tilde{\mu}, m_2] \delta_{i1i2} + \\ & \frac{2}{3} m_2 s_\gamma \tilde{\mu} c_\gamma g_2^4 \text{LF}_{3,2,-1} [\tilde{\mu}, m_2] \delta_{i1i2} - \frac{9}{8} g_2^4 (c_\gamma^2 + s_\gamma^2) \text{LF}_{4,1,-2} [\tilde{\mu}, m_2] \delta_{i1i2} - \\ & \frac{7}{4} m_2 s_\gamma \tilde{\mu} c_\gamma g_2^4 \text{LF}_{4,1,-1} [\tilde{\mu}, m_2] \delta_{i1i2} + \frac{1}{2} g_2^4 (c_\gamma^2 + s_\gamma^2) \text{LF}_{5,1,-3} [\tilde{\mu}, m_2] \delta_{i1i2} + \\ & m_2 s_\gamma \tilde{\mu} c_\gamma g_2^4 \text{LF}_{5,1,-2} [\tilde{\mu}, m_2] \delta_{i1i2} - \frac{1}{8} g_2^2 \overline{y}_e^{-i2p} y_e^{i1p} \text{LF}_{3,1,-1} [\tilde{\mu}, m_e^p] + \\ & \frac{1}{24} g_2^2 \overline{y}_e^{-i2p} y_e^{i1p} \text{LF}_{4,1,-2} [\tilde{\mu}, m_e^p] + \frac{1}{2} c_\gamma^2 \overline{y}_e^{rs} \overline{y}_e^{-i2p} y_e^{rp} y_e^{i1s} \text{LF}_{2,1,0} [\tilde{\mu}, m_l^r] - \\ & c_\gamma^2 \overline{y}_e^{rs} \overline{y}_e^{-i2p} y_e^{rp} y_e^{i1s} \text{LF}_{3,1,-1} [\tilde{\mu}, m_l^r] + \frac{1}{2} c_\gamma^2 \overline{y}_e^{rs} \overline{y}_e^{-i2p} y_e^{rp} y_e^{i1s} \text{LF}_{4,1,-2} [\tilde{\mu}, m_l^r] + \\ & \frac{1}{8} m_1 c_\gamma g_1^2 \overline{y}_e^{-i2p} (-c_\gamma a_e^{i1p} + s_\gamma \tilde{\mu} y_e^{i1p}) \text{LF}_{2,1,1,0} [m_1, m_e^p, m_l^{i1}] + \\ & \frac{1}{16} m_1 c_\gamma g_1^$$