```
C_{\text{Hl}}^{(3)\,\text{il}-\text{i2}-} \rightarrow \hbar \, \left( -\, \frac{1}{144} \, \, \frac{1}{\text{m}_{\text{o}}^2} \, \, \text{S}_{\text{y}}^{\, 2} \, \overline{\text{y}_{\text{e}}}^{\, \text{i2p}} \, \left( \, \text{g}_{\text{2}}^{\, 2} \, \, \text{y}_{\text{e}}^{\, \text{i1p}} + 12 \, \, \text{c}_{\text{y}}^{\, 2} \, \, \overline{\text{y}_{\text{e}}}^{\, \text{rs}} \, \, \text{y}_{\text{e}}^{\, \text{rls}} \right) \, + \, \frac{1}{9} \, \, \text{g}_{\text{2}}^{\, 4} \, \, \text{LF}_{3,0} \, [\, \text{m}_{\text{2}} \, ] \, \, \delta_{\text{ili2}} \, + \, \frac{1}{2} \, \, \text{Tr}_{3,0} \, [\, \text{m}_{\text{2}} \, ] \, \, \delta_{\text{ili2}} \, + \, \frac{1}{2} \, \, \text{Tr}_{3,0} \, [\, \text{m}_{\text{2}} \, ] \, \, \delta_{\text{ili2}} \, + \, \frac{1}{2} \, \, \text{Tr}_{3,0} \, [\, \text{m}_{\text{2}} \, ] \, \, \delta_{\text{ili2}} \, + \, \frac{1}{2} \, \, \text{Tr}_{3,0} \, [\, \text{m}_{\text{2}} \, ] \, \, \delta_{\text{ili2}} \, + \, \frac{1}{2} \, \, \text{Tr}_{3,0} \, [\, \text{m}_{\text{2}} \, ] \, \, \delta_{\text{ili2}} \, + \, \frac{1}{2} \, \, \text{Tr}_{3,0} \, [\, \text{m}_{\text{2}} \, ] \, \, \delta_{\text{ili2}} \, + \, \frac{1}{2} \, \, \delta_{\text{ili2}} 
                                                                                                                                                 \frac{1}{6} \ {g_2}^4 \ \mathsf{LF_4},_{-1} [\, \mathsf{m_2}\, ] \ \delta_{\mathsf{ili2}} - \frac{8}{45} \ {g_2}^4 \ \mathsf{LF_5},_{-2} [\, \mathsf{m_2}\, ] \ \delta_{\mathsf{ili2}} + \frac{1}{18} \sum_{p} {g_2}^4 \ \mathsf{LF_3},_{0} \big[\, \mathsf{m_{\tilde{l}}}^{\,\,p} \big] \ \delta_{\mathsf{ili2}} - \frac{1}{18} \left[\, \mathsf{m_{\tilde{l}}}^{\,\,p} \, \mathsf{m_{\tilde{l}}}^{\,p} \, \mathsf{m_{\tilde{l}}}^{\,\,p} \, \mathsf{m_{\tilde
                                                                                                                                                 \frac{5}{48} \sum_{p} g_{2}{}^{4} \, \mathsf{LF}_{4,-1} \big[ \mathsf{m}_{\bar{1}}{}^{p} \big] \, \, \delta_{\texttt{ili2}} + \frac{2}{45} \sum_{p} g_{2}{}^{4} \, \mathsf{LF}_{5,-2} \big[ \mathsf{m}_{\bar{1}}{}^{p} \big] \, \, \delta_{\texttt{ili2}} + \frac{1}{6} \sum_{p} g_{2}{}^{4} \, \mathsf{LF}_{3,0} \big[ \mathsf{m}_{\bar{q}}{}^{p} \big] \, \, \delta_{\texttt{ili2}} - \frac{1}{6} \left[ \mathsf{m}_{\bar{1}}{}^{p} \right] \, \, \delta_{\texttt{ili2}} + \frac{1}{6} \left[ \mathsf{m}_{\bar{1}}{}^{p} \right] \, \, \delta_{\texttt{ili
                                                                                                                                                 \frac{1}{72} \left( 3 \; {g_2}^2 \; {s_{\gamma}}^2 \; \overline{y_e}^{i2p} \; {y_e}^{i1p} + 4 \; {g_2}^4 \; \delta_{i1i2} \right) \; \mathsf{LF}_{3,0} \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; - \; \frac{5}{48} \; {g_2}^4 \; \mathsf{LF}_{4,-1} \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \delta_{i1i2} \; + \; \frac{1}{12} \; \left[ \mathsf{m}_{\scriptscriptstyle{\oplus}} \right] \; \delta_{i1i2} \; + \; \frac{1}{12} \; \delta_{i1i2} \; + \; 
                                                                                                                                                 \frac{2}{45} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [ \ \mathsf{m}_{\scriptscriptstyle{\bar{\Phi}}} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{i}\mathtt{2}} + \frac{1}{18} \ g_2{}^4 \ \mathsf{LF}_{3,0} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{i}\mathtt{2}} + \frac{1}{12} \ g_2{}^4 \ \mathsf{LF}_{4,-1} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{i}\mathtt{2}} - \frac{4}{45} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{i}\mathtt{2}} + \frac{1}{12} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{i}\mathtt{2}} + \frac{1}{12} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{1}\mathtt{2}} + \frac{1}{12} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{1}\mathtt{2}} + \frac{1}{12} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{1}\mathtt{2}} + \frac{1}{12} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{1}\mathtt{2}} + \frac{1}{12} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{1}\mathtt{2}} + \frac{1}{12} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{1}\mathtt{2}} + \frac{1}{12} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{1}\mathtt{2}} + \frac{1}{12} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{1}\mathtt{2}} + \frac{1}{12} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{1}\mathtt{2}} + \frac{1}{12} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{1}\mathtt{2}} + \frac{1}{12} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{1}\mathtt{2}} + \frac{1}{12} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{1}\mathtt{2}} + \frac{1}{12} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{1}\mathtt{2}} + \frac{1}{12} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{1}\mathtt{2}} + \frac{1}{12} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{1}\mathtt{2}} + \frac{1}{12} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{1}\mathtt{2}} + \frac{1}{12} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{1}\mathtt{2}} + \frac{1}{12} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{1}\mathtt{2}} + \frac{1}{12} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{1}\mathtt{2}} + \frac{1}{12} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{1}\mathtt{2}} + \frac{1}{12} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{1}\mathtt{2}} + \frac{1}{12} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [ \ \widetilde{\mu} \ ] \ \delta_{\mathtt{i}\mathtt{1}\mathtt{1}\mathtt{2}} + \frac{1}{12} \ g_2{}^4 \ \mathsf{LF}_{5,-2} \ [
                                                                                                                                                                                        g_{1}{}^{2}\;c_{\gamma}{}^{2}\;\overline{y_{e}}{}^{i2p}\;y_{e}{}^{i1p}\;\mathsf{LF}_{2,1,0}\!\left[\,m_{1}\,,\,m_{\check{e}}{}^{p}\,\right]\,-\,g_{1}{}^{2}\;c_{\gamma}{}^{2}\;\overline{y_{e}}{}^{i2p}\;y_{e}{}^{i1p}\;\mathsf{LF}_{3,1,-1}\!\left[\,m_{1}\,,\,m_{\check{e}}{}^{p}\,\right]\,+\,g_{1}{}^{2}\;c_{\gamma}{}^{2}\;\overline{y_{e}}{}^{i2p}\;y_{e}{}^{i1p}\;\mathsf{LF}_{3,1,-1}\!\left[\,m_{1}\,,\,m_{\check{e}}{}^{p}\,\right]\,+\,g_{1}{}^{2}\;c_{\gamma}{}^{2}\;\overline{y_{e}}{}^{i2p}\;y_{e}{}^{i1p}\;\mathsf{LF}_{3,1,-1}\!\left[\,m_{1}\,,\,m_{\check{e}}{}^{p}\,\right]\,+\,g_{1}{}^{2}\;c_{\gamma}{}^{2}\;\overline{y_{e}}{}^{i2p}\;y_{e}{}^{i1p}\;\mathsf{LF}_{3,1,-1}\!\left[\,m_{1}\,,\,m_{\check{e}}{}^{p}\,\right]\,+\,g_{1}{}^{2}\;c_{\gamma}{}^{2}\;\overline{y_{e}}{}^{i2p}\;y_{e}{}^{i1p}\;\mathsf{LF}_{3,1,-1}\!\left[\,m_{1}\,,\,m_{\check{e}}{}^{p}\,\right]\,+\,g_{1}{}^{2}\;c_{\gamma}{}^{2}\;\overline{y_{e}}{}^{i2p}\;y_{e}{}^{i1p}\;\mathsf{LF}_{3,1,-1}\!\left[\,m_{1}\,,\,m_{\check{e}}{}^{p}\,\right]\,+\,g_{1}{}^{2}\;c_{\gamma}{}^{2}\;\overline{y_{e}}{}^{i2p}\;y_{e}{}^{i1p}\;\mathsf{LF}_{3,1,-1}\!\left[\,m_{1}\,,\,m_{\check{e}}{}^{p}\,\right]\,+\,g_{1}{}^{2}\;c_{\gamma}{}^{2}\;\overline{y_{e}}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{}^{i2p}\;y_{e}{
                                                                                                                                                 \frac{1}{2} \; \mathsf{g_1}^2 \; \mathsf{c_{\gamma}}^2 \; \overline{\mathsf{y_e}}^{\mathsf{i2p}} \; \mathsf{y_e}^{\mathsf{i1p}} \; \mathsf{LF_{4,1,-2}} \big[ \, \mathsf{m_1}, \; \mathsf{m_e}^{\mathsf{p}} \big] \; + \; \frac{1}{48} \; \mathsf{g_1}^2 \; \mathsf{g_2}^2 \; \mathsf{LF_{2,1,0}} \big[ \, \mathsf{m_1}, \; \mathsf{m_{\tilde{1}}}^{\mathsf{i2}} \big] \; \delta_{\mathsf{i1i2}} \; + \; \frac{1}{48} \; \mathsf{g_1}^2 \; \mathsf{g_2}^2 \; \mathsf{LF_{2,1,0}} \big[ \, \mathsf{m_1}, \; \mathsf{m_{\tilde{1}}}^{\mathsf{i2}} \big] \; \delta_{\mathsf{i1i2}} \; + \; \frac{1}{48} \; \mathsf{g_1}^2 \; \mathsf{g_2}^2 \; \mathsf{LF_{2,1,0}} \big[ \, \mathsf{m_1}, \; \mathsf{m_{\tilde{1}}}^{\mathsf{i2}} \big] \; \delta_{\mathsf{i1i2}} \; + \; \frac{1}{48} \; \mathsf{g_1}^2 \; \mathsf{g_2}^2 \; \mathsf{LF_{2,1,0}} \big[ \, \mathsf{m_1}, \; \mathsf{m_{\tilde{1}}}^{\mathsf{i2}} \big] \; \delta_{\mathsf{i1i2}} \; + \; \frac{1}{48} \; \mathsf{g_1}^2 \; \mathsf{g_2}^2 \; \mathsf{LF_{2,1,0}} \big[ \, \mathsf{m_1}, \; \mathsf{m_{\tilde{1}}}^{\mathsf{i2}} \big] \; \delta_{\mathsf{i1i2}} \; + \; \frac{1}{48} \; \mathsf{g_1}^2 \; \mathsf{g_2}^2 \; \mathsf{LF_{2,1,0}} \big[ \, \mathsf{m_1}, \; \mathsf{m_{\tilde{1}}}^{\mathsf{i2}} \big] \; \delta_{\mathsf{i1i2}} \; + \; \frac{1}{48} \; \mathsf{g_1}^2 \; \mathsf{g_2}^2 \; \mathsf{LF_{2,1,0}} \big[ \, \mathsf{m_1}, \; \mathsf{m_{\tilde{1}}}^{\mathsf{i2}} \big] \; \delta_{\mathsf{i1i2}} \; + \; \frac{1}{48} \; \mathsf{g_1}^2 \; \mathsf{g_2}^2 \; \mathsf{LF_{2,1,0}} \big[ \, \mathsf{m_1}, \; \mathsf{m_{\tilde{1}}}^{\mathsf{i2}} \big] \; \delta_{\mathsf{i1i2}} \; + \; \frac{1}{48} \; \mathsf{g_1}^2 \; \mathsf{g_2}^2 \; \mathsf{LF_{2,1,0}} \big[ \, \mathsf{m_1}, \; \mathsf{m_{\tilde{1}}}^{\mathsf{i2}} \big] \; \delta_{\mathsf{i1i2}} \; + \; \frac{1}{48} \; \mathsf{g_1}^2 \; \mathsf{g_2}^2 \; \mathsf{LF_{2,1,0}} \big[ \, \mathsf{m_1}, \; \mathsf{m_{\tilde{1}}}^{\mathsf{i2}} \big] \; \delta_{\mathsf{i1i2}} \; + \; \frac{1}{48} \; \mathsf{g_1}^2 \; \mathsf{g_2}^2 \; \mathsf{LF_{2,1,0}} \big[ \, \mathsf{m_1}, \; \mathsf{m_{\tilde{1}}}^{\mathsf{i2}} \big] \; \delta_{\mathsf{i1i2}} \; + \; \frac{1}{48} \; \mathsf{g_1}^2 \; \mathsf{g_2}^2 \; \mathsf{LF_{2,1,0}} \big[ \, \mathsf{m_1}, \; \mathsf{m_{\tilde{1}}}^{\mathsf{i2}} \big] \; \delta_{\mathsf{i1i2}} \; + \; \frac{1}{48} \; \mathsf{g_1}^2 \; \mathsf{g_2}^2 \; \mathsf{LF_{2,1,0}} \big[ \, \mathsf{m_1}, \; \mathsf{m_{\tilde{1}}}^{\mathsf{i2}} \big] \; \delta_{\mathsf{i1i2}} \; + \; \frac{1}{48} \; \mathsf{g_1}^2 \; \mathsf{g_2}^2 \; \mathsf{LF_{2,1,0}} \big[ \, \mathsf{m_1}, \; \mathsf{m_{\tilde{1}}}^{\mathsf{i2}} \big] \; \delta_{\mathsf{i1i2}} \; + \; \frac{1}{48} \; \mathsf{g_1}^2 \; \mathsf{g_2}^2 \; \mathsf{LF_{2,1,0}} \big[ \, \mathsf{m_1}, \; \mathsf{m_{\tilde{1}}}^{\mathsf{i2}} \big] \; \delta_{\mathsf{i1i2}} \; + \; \frac{1}{48} \; \mathsf{g_1}^2 \; + \; \frac{1}{48} \; \mathsf{g_1}^2 \; \mathsf{g_2}^2 \; + \; \frac{1}{48} \; \mathsf{g_1}^2 \; \mathsf{g_2}^2 \; + \; \frac{1}{48} \; \mathsf{g_1}^2 \; + \; \frac{1}{48} \; \mathsf{g_1}^2 \; + \; \frac{1}{48} \; \mathsf{g_2}^2 \; + \; \frac{1}{48} \; + \; \frac{1}{48} \; \mathsf{g_2}^2 \; + \; \frac{1}{48} \; + \; \frac{1}{48} \; + \; \frac{1}{48} \; + \; \frac
                                                                                                                                                 \frac{1}{48}\; {g_{1}}^{2}\; {g_{2}}^{2}\; \mathsf{LF}_{2,2,-1}\big[\, \mathsf{m}_{1}\,,\,\, \mathsf{m}_{\tilde{l}}^{-\dot{1}\dot{2}}\,\big]\; \delta_{\dot{1}\dot{1}\dot{1}\dot{2}} - \frac{1}{24}\; {g_{1}}^{2}\; {g_{2}}^{2}\; \mathsf{LF}_{3,1,-1}\big[\, \mathsf{m}_{1}\,,\,\, \mathsf{m}_{\tilde{l}}^{-\dot{1}\dot{2}}\,\big]\; \delta_{\dot{1}\dot{1}\dot{1}\dot{2}} + \frac{1}{24}\; {g_{1}}^{2}\; {g_{2}}^{2}\; \mathsf{LF}_{3,1,-1}\big[\, \mathsf{m}_{1}\,,\,\,\, \mathsf{m}_{\tilde{l}}^{-\dot{1}\dot{2}}\,\big]\; \delta_{\dot{1}\dot{1}\dot{1}\dot{2}} + \frac{1}{24}\; {g_{1}}^{2}\; {g_{2}}^{2}\; \mathsf{LF}_{3,1,-1}\big[\, \mathsf{m}_{1}\,,\,\,\, \mathsf{m}_{\tilde{l}}^{-\dot{1}\dot{2}}\,\big]\; \delta_{\dot{1}\dot{1}\dot{1}\dot{2}} + \frac{1}{24}\; {g_{1}}^{2}\; {g_{2}}^{2}\; \mathsf{LF}_{3,1,-1}\big[\, \mathsf{m}_{1}\,,\,\,\, \mathsf{m}_{\tilde{l}}^{-\dot{1}\dot{2}}\,\big]\; \delta_{\dot{1}\dot{1}\dot{1}\dot{1}\dot{2}} + \frac{1}{24}\; {g_{1}}^{2}\; {g_{1}}^{2}\; {g_{2}}^{2}\; \mathsf{LF}_{3,1,-1}\big[\, \mathsf{m}_{1}\,,\,\,\, \mathsf{m}_{\tilde{l}}^{-\dot{1}\dot{2}}\,\big]\; \delta_{\dot{1}\dot{1}\dot{1}\dot{1}\dot{2}} + \frac{1}{24}\; {g_{1}}^{2}\; {g_{2}}^{2}\; {g_{2}}^{2}\; \mathsf{LF}_{3,1,-1}\big[\, \mathsf{m}_{1}\,,\,\,\, \mathsf{m}_{\tilde{l}}^{-\dot{1}\dot{2}}\,\big]\; \delta_{\dot{1}\dot{1}\dot{1}\dot{2}} + \frac{1}{24}\; {g_{1}}^{2}\; {g_{2}}^{2}\; {g_{2}}^
                                                                                                                                                 \frac{1}{48}\; {g_{1}}^2\; {g_{2}}^2\; \mathsf{LF_{4,1,-2}}\big[\, \mathsf{m_{1}}\,,\,\, \mathsf{m_{\tilde{l}}}^{\dot{1}2} \big]\; \delta_{\dot{1}\dot{1}\dot{1}2} - \frac{1}{48}\; {g_{2}}^4\; \mathsf{LF_{2,1,0}}\big[\, \mathsf{m_{2}}\,,\,\, \mathsf{m_{\tilde{l}}}^{\dot{1}2} \big]\; \delta_{\dot{1}\dot{1}\dot{1}2} - \frac{1}{48}\; {g_{2}}^4\; \mathsf{LF_{2,1,0}}\big[\, \mathsf{m_{2}}\,,\,\, \mathsf{m_{\tilde{l}}}^{\dot{1}2} \big] \; \delta_{\dot{1}\dot{1}\dot{1}2} - \frac{1}{48}\; \mathsf{m_{\tilde{l}}}^{\dot{1}2} \big] \; \delta_{\dot{1}\dot{1}\dot{1}2} - \frac{1}{48}\; \mathsf{m_{\tilde{l}}}^{\dot{1}2} \, \delta_{\dot{1}\dot{1}\dot{1}2} - \frac{1}{48}\; \mathsf{m_{\tilde{l}}}^{\dot{1}2} \, \delta_{\dot{1}\dot{1}\dot{1}2} + \frac{1}{48}\; \mathsf{m_{\tilde{l}}}^{\dot{1}2} \, \delta_{\dot{1}\dot{1}\dot{1}2} + \frac{1}{48}\; \mathsf{m_{\tilde{l}}}^{\dot{1}2} \, \delta_{\dot{1}\dot{1}\dot{1}2} + \frac{1}{48}\; \mathsf{m_{\tilde{l}}}^{\dot{1}2} \, \delta_{\dot{1}\dot{1}\dot{1}\dot{1}2} + \frac{1}{48}\; \mathsf{m_{\tilde{l}}}^{\dot{1}2} \, \delta_{\dot{1}\dot{1}\dot{1}\dot{1}\dot{1}} + \frac{1}{48}\; \mathsf{m_{\tilde{l}}}^{\dot{1}2} \, \delta_{\dot{1}\dot{1}\dot{1}\dot{1}\dot{1}} + \frac{1}{48}\; \mathsf{m_{\tilde{l}}}^{\dot{1}\dot{1}\dot{1}\dot{1}} + \frac{1}{48}\; \mathsf{m_{\tilde{l}}}^{\dot{1}\dot{1}\dot{1}\dot{1}} + \frac{1}{48}\; \mathsf{m_{\tilde{l}}}^{\dot{1}\dot{1}\dot{1}} + \frac{1}{48}\; \mathsf{m_{\tilde{l}}}^{\dot{1}\dot{1}\dot{1}} + \frac{1}{48}\; \mathsf{m_{\tilde{l}}}^{\dot{1}\dot{1}\dot{1}} + \frac{1}{48}\; \mathsf{m_{\tilde{l}}}^{\dot{1}\dot{1}} + \frac{1}{48}\; \mathsf{m_{\tilde{l}}}^{\dot{1}} + \frac{1}{48}\; \mathsf{m_{\tilde{l}}}^{\dot{1}} + \frac
                                                                                                                                                 \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,1,0}} \left[ \; \mathsf{m_2} \; , \; \tilde{\mu} \; \right] \; \delta_{\mathsf{ili2}} - \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,2,-1}} \left[ \; \mathsf{m_2} \; , \; \tilde{\mu} \; \right] \; \delta_{\mathsf{ili2}} - \frac{2}{3} \; \mathsf{m_2} \; \mathsf{s_{\gamma}} \; \tilde{\mu} \; \mathsf{c_{\gamma}} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,2,0}} \left[ \; \mathsf{m_2} \; , \; \tilde{\mu} \; \right] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,2,0}} \left[ \; \mathsf{m_2} \; , \; \tilde{\mu} \; \right] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,2,0}} \left[ \; \mathsf{m_2} \; , \; \tilde{\mu} \; \right] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,2,0}} \left[ \; \mathsf{m_2} \; , \; \tilde{\mu} \; \right] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,2,0}} \left[ \; \mathsf{m_2} \; , \; \tilde{\mu} \; \right] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,2,0}} \left[ \; \mathsf{m_2} \; , \; \tilde{\mu} \; \right] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,2,0}} \left[ \; \mathsf{m_2} \; , \; \tilde{\mu} \; \right] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,2,0}} \left[ \; \mathsf{m_2} \; , \; \tilde{\mu} \; \right] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,2,0}} \left[ \; \mathsf{m_2} \; , \; \tilde{\mu} \; \right] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,2,0}} \left[ \; \mathsf{m_2} \; , \; \tilde{\mu} \; \right] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,2,0}} \left[ \; \mathsf{m_2} \; , \; \tilde{\mu} \; \right] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,2,0}} \left[ \; \mathsf{m_2} \; , \; \tilde{\mu} \; \right] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,2,0}} \left[ \; \mathsf{m_2} \; , \; \tilde{\mu} \; \right] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,2,0}} \left[ \; \mathsf{m_2} \; , \; \tilde{\mu} \; \right] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,2,0}} \left[ \; \mathsf{m_2} \; , \; \tilde{\mu} \; \right] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,2,0}} \left[ \; \mathsf{m_2} \; , \; \tilde{\mu} \; \right] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,2,0}} \left[ \; \mathsf{m_2} \; , \; \tilde{\mu} \; \right] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,2,0}} \left[ \; \mathsf{m_2} \; , \; \tilde{\mu} \; \right] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,2,0}} \left[ \; \mathsf{m_2} \; , \; \tilde{\mu} \; \right] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,2,0}} \left[ \; \mathsf{m_2} \; , \; \tilde{\mu} \; \right] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,2,0}} \left[ \; \mathsf{m_2} \; , \; \tilde{\mu} \; \right] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,2,0}} \left[ \; \mathsf{m_2} \; , \; \tilde{\mu} \; \right] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,2,0}} \left[ \; \mathsf{m_2} \; , \; \tilde{\mu} \; \right] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,2
                                                                                                                                                 \frac{1}{6} \; \mathsf{g_2}^4 \; \mathsf{LF_{3,1,-1}} [ \, \mathsf{m_2} \, , \, \tilde{\mu} \, ] \; \delta_{\mathsf{ili2}} + \frac{1}{6} \; \mathsf{g_2}^4 \; \mathsf{LF_{3,2,-2}} [ \, \mathsf{m_2} \, , \, \tilde{\mu} \, ] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{m_2} \; \mathsf{s_{\gamma}} \, \tilde{\mu} \; \mathsf{c_{\gamma}} \; \mathsf{g_2}^4 \; \mathsf{LF_{3,2,-1}} [ \, \mathsf{m_2} \, , \, \tilde{\mu} \, ] \; \delta_{\mathsf{ili2}} + \frac{1}{6} \; \mathsf{g_2}^4 \; \mathsf{LF_{3,2,-2}} [ \, \mathsf{m_2} \, , \, \tilde{\mu} \, ] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{m_2} \; \mathsf{s_{\gamma}} \, \tilde{\mu} \; \mathsf{c_{\gamma}} \; \mathsf{g_2}^4 \; \mathsf{LF_{3,2,-1}} [ \, \mathsf{m_2} \, , \, \tilde{\mu} \, ] \; \delta_{\mathsf{ili2}} + \frac{1}{6} \; \mathsf{g_2}^4 \; \mathsf{LF_{3,2,-2}} [ \, \mathsf{m_2} \, , \, \tilde{\mu} \, ] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{m_2} \; \mathsf{s_{\gamma}} \, \tilde{\mu} \; \mathsf{c_{\gamma}} \; \mathsf{g_2}^4 \; \mathsf{LF_{3,2,-1}} [ \, \mathsf{m_2} \, , \, \tilde{\mu} \, ] \; \delta_{\mathsf{ili2}} + \frac{1}{6} \; \mathsf{g_2}^4 \; \mathsf{LF_{3,2,-2}} [ \, \mathsf{m_2} \, , \, \tilde{\mu} \, ] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{m_2} \; \mathsf{s_{\gamma}} \, \tilde{\mu} \; \mathsf{c_{\gamma}} \; \mathsf{g_2}^4 \; \mathsf{LF_{3,2,-1}} [ \, \mathsf{m_2} \, , \, \tilde{\mu} \, ] \; \delta_{\mathsf{ili2}} + \frac{1}{6} \; \mathsf{g_2}^4 \; \mathsf{LF_{3,2,-2}} [ \, \mathsf{m_2} \, , \, \tilde{\mu} \, ] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{m_2} \; \mathsf{s_{\gamma}} \, \tilde{\mu} \; \mathsf{c_{\gamma}} \; \mathsf{c_{\gamma}} \; \mathsf{g_2}^4 \; \mathsf{LF_{3,2,-1}} [ \, \mathsf{m_2} \, , \, \tilde{\mu} \, ] \; \delta_{\mathsf{ili2}} + \frac{1}{6} \; \mathsf{g_2}^4 \; \mathsf{LF_{3,2,-2}} [ \, \mathsf{m_2} \, , \, \tilde{\mu} \, ] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{m_2} \; \mathsf{s_{\gamma}} \, \tilde{\mu} \; \mathsf{c_{\gamma}} \; \mathsf{c_{\gamma}} \; \mathsf{g_2}^4 \; \mathsf{LF_{3,2,-2}} [ \, \mathsf{m_2} \, , \, \tilde{\mu} \, ] \; \delta_{\mathsf{ili2}} + \frac{1}{6} \; \mathsf{g_2}^4 \; \mathsf{LF_{3,2,-2}} [ \, \mathsf{m_2} \, , \, \tilde{\mu} \, ] \; \delta_{\mathsf{ili2}} + \frac{1}{3} \; \mathsf{m_2} \; \mathsf{c_{\gamma}} \; \mathsf
                                                                                                                                                 \frac{1}{8} \ g_2{}^2 \ \left( c_{\curlyvee} \ \overline{a_e}^{pr} - s_{\curlyvee} \ \widetilde{\mu} \ \overline{y_e}^{pr} \right) \ \left( c_{\curlyvee} \ a_e{}^{pr} - s_{\curlyvee} \ \widetilde{\mu} \ y_e{}^{pr} \right) \ LF_{4,1,-1} \left[ m_{\tilde{l}}^{\ p}, \ m_{\tilde{e}}^{\ r} \right] \ \delta_{\text{ili2}} - c_{\text{ili2}} - c_{\text{ili2}}
                                                                                                                                                                                            \mathbf{g_2}^{2} \; \left( \mathbf{c_{\scriptscriptstyle Y}} \; \overline{\mathbf{a_e}}^{\text{pr}} - \mathbf{s_{\scriptscriptstyle Y}} \; \widetilde{\boldsymbol{\mu}} \; \overline{\mathbf{y_e}}^{\text{pr}} \right) \; \left( \mathbf{c_{\scriptscriptstyle Y}} \; \mathbf{a_e}^{\text{pr}} - \mathbf{s_{\scriptscriptstyle Y}} \; \widetilde{\boldsymbol{\mu}} \; \mathbf{y_e}^{\text{pr}} \right) \; \mathsf{LF_{5,1,-2}} \big[ \, \mathbf{m_{\tilde{l}}}^{\text{p}} \, , \; \mathbf{m_{\tilde{e}}}^{\text{r}} \big] \; \delta_{\text{ili2}} - \mathbf{m_{\tilde{e}}}^{\text{pr}} \big] \; \delta_{\text{ili2}} - \mathbf{m_{\tilde{e}}}^{\text{pr}} \, , \; \mathbf{m_{\tilde{e}}}^{\text{pr}} \big] \; \delta_{\text{ili2}} - \mathbf{m_{\tilde{e}}}^{\text{pr}} \, , \; \mathbf{m_{\tilde{e}}}^{\text{pr}} \, 
                                                                                                                                             \frac{1}{24}~g_{1}^{2}~g_{2}^{2}~\mathsf{LF}_{2,1,0}\big[\,\mathsf{m}_{\bar{l}}^{-\dot{1}2}\,,\,\,\mathsf{m}_{1}\,\big]~\delta_{\dot{1}\dot{1}\dot{1}2}\,+\,\frac{1}{48}~g_{1}^{2}~g_{2}^{2}~\mathsf{LF}_{3,1,-1}\big[\,\mathsf{m}_{\bar{l}}^{-\dot{1}2}\,,\,\,\mathsf{m}_{1}\,\big]~\delta_{\dot{1}\dot{1}\dot{1}2}\,+\,\frac{1}{48}\,g_{1}^{2}~g_{2}^{2}\,\mathsf{LF}_{3,1,-1}\big[\,\mathsf{m}_{\bar{l}}^{-\dot{1}2}\,,\,\,\mathsf{m}_{1}\,\big]~\delta_{\dot{1}\dot{1}\dot{1}2}\,+\,\frac{1}{48}\,g_{1}^{2}\,g_{2}^{2}\,\mathsf{LF}_{3,1,-1}\big[\,\mathsf{m}_{\bar{l}}^{-\dot{1}2}\,,\,\,\mathsf{m}_{1}\,\big]
                                                                                                                                                                                                                g_2^2 \left( c_{\gamma} \; \overline{a_d}^{pr} - s_{\gamma} \, \widetilde{\mu} \; \overline{y_d}^{pr} \right) \; \left( c_{\gamma} \; a_d^{pr} - s_{\gamma} \, \widetilde{\mu} \; y_d^{pr} \right) \; \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q}}}^p, \; \mathsf{m_{\bar{d}}}^r \right] \; \delta_{\texttt{ili2}} - \left( c_{\gamma} \; a_d^{pr} - s_{\gamma} \; \widetilde{\mu} \; y_d^{pr} \right) \; \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q}}}^p, \; \mathsf{m_{\bar{d}}}^r \right] \; \delta_{\texttt{ili2}} - \left( c_{\gamma} \; a_d^{pr} - s_{\gamma} \; \widetilde{\mu} \; y_d^{pr} \right) \; \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q}}}^p, \; \mathsf{m_{\bar{d}}}^r \right] \; \delta_{\texttt{ili2}} - \left( c_{\gamma} \; a_d^{pr} - s_{\gamma} \; \widetilde{\mu} \; y_d^{pr} \right) \; \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q}}}^p, \; \mathsf{m_{\bar{d}}}^r \right] \; \delta_{\texttt{ili2}} - \left( c_{\gamma} \; a_d^{pr} - s_{\gamma} \; \widetilde{\mu} \; y_d^{pr} \right) \; \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q}}}^p, \; \mathsf{m_{\bar{d}}}^r \right] \; \delta_{\texttt{ili2}} - \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q}}}^p, \; \mathsf{m_{\bar{d}}}^r \right] \; \delta_{\texttt{ili2}} - \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q}}}^p, \; \mathsf{m_{\bar{d}}}^r \right] \; \delta_{\texttt{ili2}} - \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q}}}^p, \; \mathsf{m_{\bar{d}}}^r \right] \; \delta_{\texttt{ili2}} - \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q}}}^p, \; \mathsf{m_{\bar{d}}}^r \right] \; \delta_{\texttt{ili2}} - \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q}}}^p, \; \mathsf{m_{\bar{d}}}^r \right] \; \delta_{\texttt{ili2}} - \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q}}}^p, \; \mathsf{m_{\bar{d}}}^r \right] \; \delta_{\texttt{ili2}} - \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q}}}^p, \; \mathsf{m_{\bar{d}}}^r \right] \; \delta_{\texttt{ili2}} - \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q}}}^p, \; \mathsf{m_{\bar{d}}}^r \right] \; \delta_{\texttt{ili2}} - \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q}}}^p, \; \mathsf{m_{\bar{d}}}^r \right] \; \delta_{\texttt{ili2}} - \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q}}}^p, \; \mathsf{m_{\bar{d}}}^r \right] \; \delta_{\texttt{ili2}} - \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q}}}^p, \; \mathsf{m_{\bar{d}}}^r \right] \; \delta_{\texttt{ili2}} - \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q}}}^p, \; \mathsf{m_{\bar{d}}}^r \right] \; \delta_{\texttt{ili2}} + \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q}}}^p, \; \mathsf{m_{\bar{d}}}^r \right] \; \delta_{\texttt{ili2}} + \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q}}}^p, \; \mathsf{m_{\bar{d}}}^r \right] \; \delta_{\texttt{ili2}} + \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q}}}^p, \; \mathsf{m_{\bar{d}}}^r \right] \; \delta_{\texttt{ili2}} + \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q}}}^p, \; \mathsf{m_{\bar{d}}}^r \right] \; \delta_{\texttt{ili2}} + \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q}}}^p, \; \mathsf{m_{\bar{d}}}^r \right] \; \delta_{\texttt{ili2}} + \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q}}}^p, \; \mathsf{m_{\bar{d}}}^r \right] \; \delta_{\texttt{ili2}} + \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q}}}^p, \; \mathsf{m_{\bar{d}}}^r \right] \; \delta_{\texttt{ili2}} + \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q}}}^p, \; \mathsf{m_{\bar{d}}}^r \right] \; \delta_{\texttt{ili2}} + \mathsf{LF_{4,1,-1}} \left[ \mathsf{m_{\bar{q
                                                                                                                                                                                        g_2^2 \left( c_\gamma \; \overline{a_d}^\text{pr} - s_\gamma \; \widetilde{\mu} \; \overline{y_d}^\text{pr} \right) \; \left( c_\gamma \; a_d^\text{pr} - s_\gamma \; \widetilde{\mu} \; y_d^\text{pr} \right) \; \mathsf{LF}_{5,1,-2} \left[ \mathsf{m}_{\tilde{\mathsf{q}}}^{\; \mathsf{p}}, \; \mathsf{m}_{\tilde{\mathsf{d}}}^{\; \mathsf{r}} \right] \; \delta_{\texttt{ili}2} \; + \; \delta_{\texttt{ili}2} \; + \; \delta_{\texttt{ili}2} \; \delta_{\texttt{ili}2} \; \delta_{\texttt{ili}2} \; \delta_{\texttt{ili}2} \; + \; \delta_{\texttt{ili}2} \; \delta_{\texttt{ilii}2} \; \delta_{\texttt{ilii2}2} \; \delta_{\texttt{ilii2}2} \; \delta_{\texttt{ilii2}2} \; \delta_{\texttt{ilii2}2} \; \delta_{\texttt{ilii2}2} \; \delta_{\texttt{ilii2}2} \; \delta
                                                                                                                                                                                        \mathbf{g_2}^2 \, \left( \mathbf{s_{\gamma}} \, \overline{\mathbf{a_u}}^{\text{pr}} - \widetilde{\boldsymbol{\mu}} \, \mathbf{c_{\gamma}} \, \overline{\mathbf{y_u}}^{\text{pr}} \right) \, \left( \mathbf{s_{\gamma}} \, \mathbf{a_u}^{\text{pr}} - \widetilde{\boldsymbol{\mu}} \, \mathbf{c_{\gamma}} \, \mathbf{y_u}^{\text{pr}} \right) \, \mathbf{LF_{2,2,0}} \left[ \, \mathbf{m_{\tilde{q}}}^{\, p} \, , \, \, \mathbf{m_{\tilde{u}}}^{\, r} \, \right] \, \delta_{\text{ili2}} - \widetilde{\boldsymbol{\mu}} \, \mathbf{c_{\gamma}} \, \mathbf{y_u}^{\text{pr}} \right] \, \delta_{\text{ili2}} - \widetilde{\boldsymbol{\mu}} \, \mathbf{c_{\gamma}} \, \mathbf{y_u}^{\text{pr}} \, \mathbf{c_{\gamma}} \, \mathbf{y_u}^{\text{pr}} \, \mathbf{c_{\gamma}} \, \mathbf{v_u}^{\text{pr}} \, \mathbf
                                                                                                                                             \frac{1}{8} \ g_2^{\ 2} \ \left( s_\gamma \ \overline{a_u}^{pr} - \widetilde{\mu} \ c_\gamma \ \overline{y_u}^{pr} \right) \ \left( s_\gamma \ a_u^{pr} - \widetilde{\mu} \ c_\gamma \ y_u^{pr} \right) \ LF_{3,2,-1} \left[ m_{\tilde{q}}^{\ p}, \ m_{\tilde{u}}^{\ r} \right] \ \delta_{\text{ili2}} - \widetilde{a_u}^{pr} + \widetilde{a_u}^{pr} + \widetilde{a_u}^{pr} + \widetilde{a_u}^{pr} \right] 
                                                                                                                                                                                        \mathbf{g_2}^2 \; \left( \mathbf{s_{\scriptscriptstyle Y}} \; \overline{\mathbf{a_u}}^{\text{pr}} - \widetilde{\boldsymbol{\mu}} \; \mathbf{c_{\scriptscriptstyle Y}} \; \overline{\mathbf{y_u}}^{\text{pr}} \right) \; \left( \mathbf{s_{\scriptscriptstyle Y}} \; \mathbf{a_u}^{\text{pr}} - \widetilde{\boldsymbol{\mu}} \; \mathbf{c_{\scriptscriptstyle Y}} \; \mathbf{y_u}^{\text{pr}} \right) \; \mathsf{LF_{3,1,0}} \left[ \mathbf{m_{\tilde{u}}}^{\text{r}} \, , \; \mathbf{m_{\tilde{q}}}^{\text{p}} \right] \; \delta_{\text{ili2}} - \widetilde{\boldsymbol{\mu}} \; \widetilde{\boldsymbol{\mu}}_{\text{oli2}} \; \widetilde{\boldsymbol{\mu
                                                                                                                                                 \frac{1}{4}\;g_{2}^{\;2}\;\left(s_{\gamma}\;\overline{a_{u}}^{pr}-\widetilde{\mu}\;c_{\gamma}\;\overline{y_{u}}^{pr}\right)\;\left(s_{\gamma}\;a_{u}^{\;pr}-\widetilde{\mu}\;c_{\gamma}\;y_{u}^{\;pr}\right)\;\mathsf{LF_{3,2,-1}}\!\left[\mathsf{m_{\tilde{u}}}^{r},\;\mathsf{m_{\tilde{q}}}^{p}\right]\;\delta_{\mathsf{11i2}}\;\mathsf{+}
                                                                                                                                                 \frac{3}{4} \; g_2^{\; 2} \; \left( s_\gamma \; \overline{a_u}^{pr} - \widetilde{\mu} \; c_\gamma \; \overline{y_u}^{pr} \right) \; \left( s_\gamma \; a_u^{\; pr} - \widetilde{\mu} \; c_\gamma \; y_u^{\; pr} \right) \; \mathsf{LF_{4,1,-1}} \big[ \mathsf{m}_{\tilde{u}}^{\; r} \; , \; \mathsf{m}_{\tilde{q}}^{\; p} \big] \; \delta_{\mathsf{11i2}} - \mathcal{M}_{\mathsf{11i2}} \; \mathcal{M
                                                                                                                                                                                        g_2^2 \, \left( s_{_{Y}} \, \overline{a_u}^{\text{pr}} - \widetilde{\mu} \, c_{_{Y}} \, \overline{y_u}^{\text{pr}} \right) \, \left( s_{_{Y}} \, a_u^{\, \text{pr}} - \widetilde{\mu} \, c_{_{Y}} \, y_u^{\, \text{pr}} \right) \, \mathsf{LF}_{5,1,-2} \big[ \, \mathsf{m}_{\tilde{u}}^{\, \text{r}} \, , \, \, \mathsf{m}_{\tilde{q}}^{\, \text{p}} \big] \, \, \delta_{\text{ili2}} - \widetilde{h}_{1} 
                                                                                                                                             \frac{5}{24}\; g_{1}^{\;2}\; g_{2}^{\;2}\; \mathsf{LF_{4,1,-2}}\left[\,\widetilde{\mu}\,,\,\,\mathsf{m_{1}}\,\right]\; \delta_{\,\dot{1}\,\dot{1}\,\dot{2}}\, -\, \frac{1}{4}\; \mathsf{m_{1}}\; \mathsf{s_{\gamma}}\; \widetilde{\mu}\; \mathsf{c_{\gamma}}\; g_{1}^{\;2}\; g_{2}^{\;2}\; \mathsf{LF_{4,1,-1}}\left[\,\widetilde{\mu}\,,\,\,\,\mathsf{m_{1}}\,\right]\; \delta_{\,\dot{1}\,\dot{1}\,\dot{2}}\, +\, \frac{1}{4}\; \mathsf{m_{1}}\; \mathsf{s_{\gamma}}\; \widetilde{\mu}\; \mathsf{c_{\gamma}}\; g_{1}^{\;2}\; g_{2}^{\;2}\; \mathsf{LF_{4,1,-1}}\left[\,\widetilde{\mu}\,,\,\,\,\mathsf{m_{1}}\,\right]\; \delta_{\,\dot{1}\,\dot{1}\,\dot{1}\,\dot{2}}\, +\, \frac{1}{4}\; \mathsf{m_{1}}\; \mathsf{s_{\gamma}}\; \widetilde{\mu}\; \mathsf{c_{\gamma}}\; g_{1}^{\;2}\; g_{2}^{\;2}\; \mathsf{LF_{4,1,-1}}\left[\,\widetilde{\mu}\,,\,\,\,\mathsf{m_{1}}\,\right]\; \delta_{\,\dot{1}\,\dot{1}\,\dot{1}\,\dot{2}}\, +\, \frac{1}{4}\; \mathsf{m_{1}}\; \mathsf{s_{\gamma}}\; \widetilde{\mu}\; \mathsf{c_{\gamma}}\; g_{1}^{\;2}\; g_{2}^{\;2}\; \mathsf{LF_{4,1,-1}}\left[\,\widetilde{\mu}\,,\,\,\,\mathsf{m_{1}}\,\right]\; \delta_{\,\dot{1}\,\dot{1}\,\dot{1}\,\dot{2}}\, +\, \frac{1}{4}\; \mathsf{m_{1}}\; \mathsf{s_{\gamma}}\; \widetilde{\mu}\; \mathsf{c_{\gamma}}\; g_{1}^{\;2}\; g_{2}^{\;2}\; \mathsf{LF_{4,1,-1}}\left[\,\widetilde{\mu}\,,\,\,\,\mathsf{m_{1}}\,\right]\; \delta_{\,\dot{1}\,\dot{1}\,\dot{1}\,\dot{2}}\, +\, \frac{1}{4}\; \mathsf{m_{1}}\; \mathsf{s_{\gamma}}\; \widetilde{\mu}\; \mathsf{c_{\gamma}}\; g_{1}^{\;2}\; \mathsf{c_{\gamma}}\; \mathsf
                                                                                                                                                 \frac{1}{6}\; {\rm g_1}^2\; {\rm g_2}^2\; {\rm LF_{5,1,-3}}[\tilde{\mu},\; {\rm m_1}]\; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_1}\; {\rm s_\gamma}\; \tilde{\mu}\; {\rm c_\gamma}\; {\rm g_1}^2\; {\rm g_2}^2\; {\rm LF_{5,1,-2}}[\tilde{\mu},\; {\rm m_1}]\; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}\; {\rm s_3}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}\; {\rm s_3}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2}[\tilde{\mu},\; {\rm m_2}] \; \delta_{\rm ili2} + \frac{1}{3}\; {\rm m_2
                                                                                                                                                                                   \mathsf{g_2}^4 \; \mathsf{LF_{3,1,-1}} \left[ \, \tilde{\mu} \,, \, \mathsf{m_2} \, \right] \; \delta_{\mathsf{ili2}} \; + \; \frac{2}{3} \; \mathsf{m_2} \; \mathsf{s_{\scriptscriptstyle Y}} \, \tilde{\mu} \; \mathsf{c_{\scriptscriptstyle Y}} \; \mathsf{g_2}^4 \; \mathsf{LF_{3,1,0}} \left[ \, \tilde{\mu} \,, \, \mathsf{m_2} \, \right] \; \delta_{\mathsf{ili2}} \; + \; \frac{1}{3} \; \mathsf{g_2}^4 \; \mathsf{LF_{3,2,-2}} \left[ \, \tilde{\mu} \,, \, \, \mathsf{m_2} \, \right] \; \delta_{\mathsf{ili2}} \; + 
                                                                                                                                                                                        \mathsf{m}_2 \; \mathsf{s}_{\gamma} \; \tilde{\mu} \; \mathsf{c}_{\gamma} \; \mathsf{g_2}^4 \; \mathsf{LF}_{3,2,-1} [\tilde{\mu} \;,\; \mathsf{m}_2] \; \delta_{\mathsf{ili}2} - \frac{9}{8} \; \mathsf{g_2}^4 \; \mathsf{LF}_{4,1,-2} [\tilde{\mu} \;,\; \mathsf{m}_2] \; \delta_{\mathsf{ili}2} - \frac{9}{8} \; \mathsf{g_2}^4 \; \mathsf{LF}_{4,1,-2} [\tilde{\mu} \;,\; \mathsf{m}_2] \; \delta_{\mathsf{ili}2} - \frac{9}{8} \; \mathsf{g_2}^4 \; \mathsf{LF}_{4,1,-2} [\tilde{\mu} \;,\; \mathsf{m}_2] \; \delta_{\mathsf{ili}2} - \frac{9}{8} \; \mathsf{g_2}^4 \; \mathsf{LF}_{\mathsf{ili}2,-2} [\tilde{\mu} \;,\; \mathsf{m}_2] \; \delta_{\mathsf{ili}2} - \frac{9}{8} \; \mathsf{g_2}^4 \; \mathsf{LF}_{\mathsf{ili}2,-2} [\tilde{\mu} \;,\; \mathsf{m}_2] \; \delta_{\mathsf{ili}2,-2} [\tilde{\mu} \;,\; \mathsf{
                                                                                                                                                                                   m_2 s_{\gamma} \tilde{\mu} c_{\gamma} g_2^4 LF_{4,1,-1} [\tilde{\mu}, m_2] \delta_{i1i2} + \frac{1}{2} g_2^4 LF_{5,1,-3} [\tilde{\mu}, m_2] \delta_{i1i2} +
                                                                                                                                   \mathsf{m_2} \; \mathsf{s_{\gamma}} \; \tilde{\mu} \; \mathsf{c_{\gamma}} \; \mathsf{g_2}^4 \; \mathsf{LF_{5,1,-2}} \left[ \, \tilde{\mu} \, , \; \mathsf{m_2} \, \right] \; \delta_{\texttt{ili2}} \; - \; \frac{1}{8} \; \mathsf{g_2}^2 \; \overline{\mathsf{y_e}^{\texttt{i2p}}} \; \mathsf{y_e^{\texttt{i1p}}} \; \mathsf{LF_{3,1,-1}} \left[ \, \tilde{\mu} \, , \; \mathsf{m_{\tilde{e}}^{\texttt{p}}} \, \right] \; + \; \frac{1}{8} \; \mathsf{g_2}^2 \; \overline{\mathsf{y_e}^{\texttt{i2p}}} \; \mathsf{y_e^{\texttt{i1p}}} \; \mathsf{LF_{3,1,-1}} \left[ \, \tilde{\mu} \, , \; \mathsf{m_{\tilde{e}}^{\texttt{p}}} \, \right] \; + \; \frac{1}{8} \; \mathsf{g_2}^2 \; \overline{\mathsf{y_e}^{\texttt{i2p}}} \; \mathsf{y_e^{\texttt{i1p}}} \; \mathsf{LF_{3,1,-1}} \left[ \, \tilde{\mu} \, , \; \mathsf{m_{\tilde{e}}^{\texttt{p}}} \, \right] \; + \; \frac{1}{8} \; \mathsf{g_2}^2 \; \overline{\mathsf{y_e}^{\texttt{i2p}}} \; \mathsf{y_e^{\texttt{i1p}}} \; \mathsf{LF_{3,1,-1}} \left[ \, \tilde{\mu} \, , \; \mathsf{m_{\tilde{e}}^{\texttt{p}}} \, \right] \; + \; \frac{1}{8} \; \mathsf{g_2}^2 \; \overline{\mathsf{y_e^{\texttt{i2p}}}} \; \mathsf{y_e^{\texttt{i2p}}} \; \mathsf{y_e^{\texttt{i2p}}} \; \mathsf{LF_{3,1,-1}} \left[ \, \tilde{\mu} \, , \; \mathsf{m_{\tilde{e}}^{\texttt{p}}} \, \right] \; + \; \frac{1}{8} \; \mathsf{g_2}^2 \; \overline{\mathsf{y_e^{\texttt{i2p}}}} \; \mathsf{y_e^{\texttt{i2p}}} \; \mathsf{y_e^{\texttt{i2p}}} \; \mathsf{LF_{3,1,-1}} \left[ \, \tilde{\mu} \, , \; \mathsf{m_{\tilde{e}}^{\texttt{p}}} \, \right] \; + \; \frac{1}{8} \; \mathsf{g_2}^2 \; \overline{\mathsf{y_e^{\texttt{i2p}}}} \; \mathsf{y_e^{\texttt{i2p}}} \; \mathsf{y_e^{\texttt{i2p}}} \; \mathsf{LF_{3,1,-1}} \left[ \, \tilde{\mu} \, , \; \mathsf{m_{\tilde{e}}^{\texttt{p}}} \, \right] \; + \; \frac{1}{8} \; \mathsf{g_2}^2 \; \overline{\mathsf{y_e^{\texttt{i2p}}}} \; \mathsf{y_e^{\texttt{i2p}}} \; \mathsf{y_e^{\texttt{i2p}}} \; \mathsf{h_{\tilde{e}}^{\texttt{p}}} \; \mathsf{h_{\tilde{e
                                                                                                                                                 \frac{1}{24}~g_2^2~\overline{y_e}^{i2p}~y_e^{i1p}~\mathsf{LF_{4,1,-2}}\big[\tilde{\mu}\,,\,\mathsf{m_{\tilde{e}}}^p\big] + \frac{1}{2}~c_{\gamma}^{~2}~\overline{y_e}^{rs}~\overline{y_e}^{i2p}~y_e^{~rp}~y_e^{~i1s}~\mathsf{LF_{2,1,0}}\big[\tilde{\mu}\,,\,\mathsf{m_{\tilde{l}}}^r\big] - \frac{1}{2}~c_{\gamma}^{~2}~\overline{y_e}^{rs}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}~y_e^{~rp}
                                                                                                                                        c_{\gamma}^{2}\,\overline{y_{e}}^{\text{rs}}\,\overline{y_{e}}^{\text{i2p}}\,y_{e}^{\text{rp}}\,y_{e}^{\text{i1s}}\,\mathsf{LF}_{3,1,-1}\big[\tilde{\mu}\,,\,\mathfrak{m}_{\bar{l}}^{\,\,r}\big]\,+\,\frac{1}{2}\,\,c_{\gamma}^{2}\,\overline{y_{e}}^{\text{rs}}\,\overline{y_{e}}^{\text{i2p}}\,y_{e}^{\,\,rp}\,y_{e}^{\,\,i1s}\,\mathsf{LF}_{4,1,-2}\big[\tilde{\mu}\,,\,\mathfrak{m}_{\bar{l}}^{\,\,r}\big]\,+\,\frac{1}{2}\,\,c_{\gamma}^{2}\,\overline{y_{e}}^{\,\,rs}\,\overline{y_{e}}^{\,\,rs}\,\overline{y_{e}}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,\mathsf{LF}_{4,1,-2}\big[\tilde{\mu}\,,\,\,\mathfrak{m}_{\bar{l}}^{\,\,r}\big]\,+\,\frac{1}{2}\,\,c_{\gamma}^{2}\,\overline{y_{e}}^{\,\,rs}\,\overline{y_{e}}^{\,\,rs}\,\overline{y_{e}}^{\,\,rs}\,y_{e}^{\,\,rs}\,\mathsf{LF}_{4,1,-2}\big[\tilde{\mu}\,,\,\,\mathfrak{m}_{\bar{l}}^{\,\,r}\big]\,+\,\frac{1}{2}\,\,c_{\gamma}^{2}\,\overline{y_{e}}^{\,\,rs}\,\overline{y_{e}}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,\mathsf{LF}_{4,1,-2}\big[\tilde{\mu}\,,\,\,\mathfrak{m}_{\bar{l}}^{\,\,r}\big]\,+\,\frac{1}{2}\,\,c_{\gamma}^{2}\,\overline{y_{e}}^{\,\,rs}\,\overline{y_{e}}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,\,rs}\,y_{e}^{\,
                                                                                                                                                                                        \textbf{m}_{1} \ \textbf{c}_{\gamma} \ \textbf{g}_{1}^{\ 2} \ \overline{\textbf{y}_{e}}^{\text{i2p}} \ \left( - \ \textbf{c}_{\tilde{\gamma}} \ \textbf{a}_{e}^{\ \text{i1p}} + \ \textbf{s}_{\tilde{\gamma}} \ \tilde{\boldsymbol{\mu}} \ \textbf{y}_{e}^{\ \text{i1p}} \right) \ \textbf{LF}_{2,1,1,0} \left[ \ \textbf{m}_{1} \ , \ \textbf{m}_{\tilde{e}}^{\ \text{p}} \ , \ \textbf{m}_{\tilde{l}}^{\ \text{i1}} \right] \ + \ \textbf{m}_{\tilde{e}}^{\ \text{in}} \ , \ \textbf{
                                                                                                                                                 \mathsf{m_1}\;\mathsf{c_{\gamma}}\;\mathsf{g_1}^2\;\overline{\mathsf{y_e}}^\mathsf{i2p}\;\left(\mathsf{c_{\gamma}}\;\mathsf{a_e}^\mathsf{i1p}-\mathsf{s_{\gamma}}\;\widetilde{\mu}\;\mathsf{y_e}^\mathsf{i1p}\right)\;\mathsf{LF_{3,1,1,-1}}\big[\mathsf{m_1}\;,\;\mathsf{m_{\tilde{e}}}^\mathsf{p}\;,\;\mathsf{m_{\tilde{l}}}^\mathsf{i1}\big]\;+\;
                                                                                                                                                                                        \textbf{m_{1}} \ c_{\gamma} \ g_{1}^{\ 2} \ y_{e}^{\ i1p} \ \left( - \, c_{\gamma} \ \overline{a_{e}}^{\ i2p} + \, s_{\gamma} \ \widetilde{\mu} \ \overline{y_{e}}^{\ i2p} \right) \ LF_{2,1,1,0} \left[ \, m_{1} \, , \ m_{\tilde{e}}^{\ p} \, , \ m_{\tilde{l}}^{\ i2} \, \right] \ + \\
                                                                                                                                                                                                           \text{m}_{1} \; c_{\gamma} \; g_{1}^{\; 2} \; y_{e}^{\; \text{ilp}} \; \left( - \, c_{\gamma} \; \overline{a_{e}}^{\; \text{i}2p} \, + \, s_{\gamma} \; \widetilde{\mu} \; \overline{y_{e}}^{\; \text{i}2p} \right) \; \text{LF}_{2,2,1,-1} \left[ \, \text{m}_{1} \, , \; \text{m}_{\tilde{e}}^{\; p} \, , \; \text{m}_{\tilde{l}}^{\; \text{i}2} \, \right] \; + \; \text{m}_{1} \; \text{m}_{2} \; + \; \text{m}_{2} \;
                                                                                                                                                                                        \mathsf{m_1} \; \mathsf{c_{Y}} \; \mathsf{g_1}^2 \; \mathsf{y_e}^{\mathsf{ilp}} \; \left( \mathsf{c_{Y}} \; \overline{\mathsf{a_e}}^{\mathsf{i2p}} - \mathsf{s_{Y}} \; \widetilde{\mu} \; \overline{\mathsf{y_e}}^{\mathsf{i2p}} \right) \; \mathsf{LF_{3,1,1,-1}} \left[ \mathsf{m_1} \; , \; \mathsf{m_{\tilde{e}}}^p \; , \; \mathsf{m_{\tilde{l}}}^{\mathsf{i2}} \right] \; - \; \mathsf{m_{\tilde{l}}}^{\mathsf{i2p}} \; \mathsf{m_{\tilde{l}}}^{\mathsf{i2p}} \right] \; \mathsf{h_{\tilde{l}}}^{\mathsf{i2p}} \; \mathsf{h_{\tilde{l}}}^{\mathsf{i
                                                                                                                                                                                        g_{1}{}^{2}\;c_{\gamma}{}^{2}\;\overline{y_{e}}{}^{i2p}\;y_{e}{}^{i1p}\;\mathsf{LF}_{2,1,1,-1}\big[\mathsf{m}_{1}\;,\;\mathsf{m}_{\tilde{e}}{}^{p}\;,\;\widetilde{\mu}\,\big]\;-\;\frac{1}{2}\;\mathsf{m}_{1}\;s_{\gamma}\;\widetilde{\mu}\;c_{\gamma}\;g_{1}{}^{2}\;\overline{y_{e}}{}^{i2p}\;y_{e}{}^{i1p}\;\mathsf{LF}_{2,1,1,0}\big[\mathsf{m}_{1}\;,\;\mathsf{m}_{\tilde{e}}{}^{p}\;,\;\widetilde{\mu}\,\big]\;+\;\mathsf{m}_{1}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{1}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf{m}_{2}^{2}\;\mathsf
                                                                                                                                                                                        g_{1}{}^{2}\;c_{\gamma}{}^{2}\;\overline{y_{e}}{}^{i2p}\;y_{e}{}^{i1p}\;\mathsf{LF}_{3,1,1,-2}\!\left[\,\mathsf{m}_{1}\,,\,\mathsf{m}_{\tilde{e}}{}^{p}\,,\,\widetilde{\mu}\,\right]\,+\,\frac{1}{2}\;\mathsf{m}_{1}\;s_{\gamma}\;\widetilde{\mu}\;c_{\gamma}\;g_{1}{}^{2}\;\overline{y_{e}}{}^{i2p}\;y_{e}{}^{i1p}\;\mathsf{LF}_{3,1,1,-1}\!\left[\,\mathsf{m}_{1}\,,\,\mathsf{m}_{\tilde{e}}{}^{p}\,,\,\widetilde{\mu}\,\right]\,+\,\frac{1}{2}\;\mathsf{m}_{1}\;s_{\gamma}\;\widetilde{\mu}\;c_{\gamma}\;g_{1}{}^{2}\;\overline{y_{e}}{}^{i2p}\;y_{e}{}^{i1p}\;\mathsf{LF}_{3,1,1,-1}\!\left[\,\mathsf{m}_{1}\,,\,\mathsf{m}_{\tilde{e}}{}^{p}\,,\,\widetilde{\mu}\,\right]\,+\,\frac{1}{2}\;\mathsf{m}_{1}\;s_{\gamma}\;\widetilde{\mu}\;c_{\gamma}\;g_{1}{}^{2}\;\overline{y_{e}}{}^{i2p}\;y_{e}{}^{i1p}\;\mathsf{LF}_{3,1,1,-1}\!\left[\,\mathsf{m}_{1}\,,\,\mathsf{m}_{\tilde{e}}{}^{p}\,,\,\widetilde{\mu}\,\right]\,+\,\frac{1}{2}\;\mathsf{m}_{1}\;s_{\gamma}\;\widetilde{\mu}\;c_{\gamma}\;g_{1}{}^{2}\;\overline{y_{e}}{}^{i2p}\;y_{e}{}^{i1p}\;\mathsf{LF}_{3,1,1,-1}\!\left[\,\mathsf{m}_{1}\,,\,\mathsf{m}_{\tilde{e}}{}^{p}\,,\,\widetilde{\mu}\,\right]\,+\,\frac{1}{2}\;\mathsf{m}_{1}\;s_{\gamma}\;\widetilde{\mu}\;c_{\gamma}\;g_{1}{}^{2}\;\overline{y_{e}}{}^{i2p}\;y_{e}{}^{i1p}\;\mathsf{LF}_{3,1,1,-1}\!\left[\,\mathsf{m}_{1}\,,\,\mathsf{m}_{\tilde{e}}{}^{p}\,,\,\widetilde{\mu}\,\right]\,+\,\frac{1}{2}\;\mathsf{m}_{1}\;s_{\gamma}\;\widetilde{\mu}\;c_{\gamma}\;g_{1}{}^{2}\;\widetilde{y_{e}}{}^{i2p}\;y_{e}{}^{i1p}\;\mathsf{LF}_{3,1,1,-1}\!\left[\,\mathsf{m}_{1}\,,\,\mathsf{m}_{\tilde{e}}\,\,\mathsf{m}_{1}\,\,\mathsf{m}_{1}\,\,\mathsf{m}_{1}\,\,\mathsf{m}_{1}\,\,\mathsf{m}_{1}\,\,\mathsf{m}_{1}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{1}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{1}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{1}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2}\,\,\mathsf{m}_{2
                                                                                                                                                                                                           \mathsf{m_1}\;\mathsf{c_{\scriptscriptstyle \gamma}}\;\mathsf{g_1}^2\;\overline{\mathsf{y_e}}^{\mathsf{i2p}}\;\left(\mathsf{c_{\scriptscriptstyle \gamma}}\;\mathsf{a_e}^{\mathsf{i1p}}-\mathsf{s_{\scriptscriptstyle \gamma}}\;\widetilde{\mu}\;\mathsf{y_e}^{\mathsf{i1p}}\right)\;\mathsf{LF_{2,2,1,-1}}\!\left[\mathsf{m_1},\;\mathsf{m_{\scriptscriptstyle \widetilde{l}}}^{\mathsf{i1}},\;\mathsf{m_{\scriptscriptstyle \widetilde{e}}}^{\mathsf{p}}\right]\;\mathsf{+}\;
                                                                                                                                                                                                      \left[\mathbf{m_1}\,\mathbf{c_{\gamma}}\,\mathbf{g_{1}}^{2}\,\mathbf{y_{e}}^{\text{ilp}}\,\left(\mathbf{c_{\gamma}}\,\overline{\mathbf{a_{e}}}^{\text{i2p}}-\mathbf{s_{\gamma}}\,\widetilde{\mu}\,\overline{\mathbf{y_{e}}}^{\text{i2p}}\right)\,\mathsf{LF_{2,2,1,-1}}\!\left[\mathbf{m_1},\,\mathbf{m_{\tilde{l}}}^{\text{i2}},\,\mathbf{m_{\tilde{e}}}^{\text{p}}\right]\right.\\
                                                                                                                                                 \frac{5}{16} g_1^2 c_{\gamma}^2 \overline{y_e}^{i2p} y_e^{i1p} LF_{2,2,1,-2}[m_1, \tilde{\mu}, m_{\tilde{e}}^p] +
                                                                                                                                                                                                           \mathsf{s}_{\gamma}\,\widetilde{\mu}\;\mathsf{g_1}^2\;\overline{\mathsf{y_e}}^{\mathsf{i2p}}\;\mathsf{y_e}^{\mathsf{i1p}}\;(\mathsf{6}\;\mathsf{m_1}\;\mathsf{c}_{\gamma}+\mathsf{s}_{\gamma}\,\widetilde{\mu})\;\mathsf{LF}_{\mathsf{2,2,1,-1}}\big[\mathsf{m_1,}\,\widetilde{\mu},\,\mathsf{m_e}^\mathsf{p}\big]\;-
                                                                                                                                                 \frac{1}{16} \ g_1{}^2 \ c_\gamma{}^2 \ \overline{y_e}{}^{i2p} \ y_e{}^{i1p} \ LF_{2,2,1,-2} \big[ \ m_1 \, , \ \widetilde{\mu} \, , \ m_{\tilde{l}}{}^{i1} \big] \ - \frac{1}{16} \ m_1 \ s_\gamma \ \widetilde{\mu} \ c_\gamma \ g_1{}^2 \ \overline{y_e}{}^{i2p} \ y_e{}^{i1p}
                                                                                                                                                                         \mathsf{LF_{2,2,1,-1}}\big[\mathsf{m_1},\,\widetilde{\mu},\,\mathsf{m_{\tilde{l}}}^{\text{il}}\big] \,-\, \tfrac{1}{16}\; \mathsf{g_1}^2\; \mathsf{c_{\gamma}}^2\; \overline{\mathsf{y_e}}^{\text{i2p}}\; \mathsf{y_e}^{\text{i1p}}\; \mathsf{LF_{2,2,1,-2}}\big[\mathsf{m_1},\,\widetilde{\mu},\,\mathsf{m_{\tilde{l}}}^{\text{i2}}\big] \,-\, \mathtt{m_{\tilde{l}}}^{\text{i2}}\big] \,-\, \mathtt{m_{\tilde{l}}}^{\text{i2}}\big[\mathsf{m_{\tilde{l}}},\,\widetilde{\mu},\,\mathsf{m_{\tilde{l}}}^{\text{i2}}\big] \,-\, \mathtt{m_{\tilde{l}}}^{\text{i2}}\big[\mathsf{m_{\tilde{l}}},\,\mathsf{m_{\tilde{l}}}^{\text{i2}}\big] \,
                                                                                                                                                 \frac{1}{16} \; \mathsf{m_1} \; \mathsf{s_{\gamma}} \; \tilde{\mu} \; \mathsf{c_{\gamma}} \; \mathsf{g_1}^2 \; \overline{\mathsf{y_e}}^{\mathsf{i2p}} \; \mathsf{y_e}^{\mathsf{i1p}} \; \mathsf{LF_{2,2,1,-1}} \big[ \mathsf{m_1}, \; \tilde{\mu}, \; \mathsf{m_{\tilde{l}}}^{\mathsf{i2}} \big] \; + \\ \frac{1}{8} \; \mathsf{g_2}^4 \; \mathsf{LF_{2,1,1,-1}} \big[ \mathsf{m_2}, \; \mathsf{m_{\tilde{l}}}^{\mathsf{i2}}, \; \tilde{\mu} \big] \; \delta_{\mathsf{i1i2}} \; - \\ \frac{1}{8} \; \mathsf{m_1} \; \mathsf{s_{\gamma}} \; \tilde{\mu} \; \mathsf{m_2}^{\mathsf{i2p}} \; \mathsf{m_2}^{\mathsf{i
                                                                                                                                                                                        \mathsf{g_2}^4 \, \mathsf{m_2}^2 \, \mathsf{LF_{2,1,1,0}} \big[ \, \mathsf{m_2} \, , \, \, \mathsf{m_{\tilde{l}}}^{\dot{1}2} \, , \, \, \tilde{\mu} \, \big] \, \, \delta_{\dot{1}\dot{1}\dot{1}2} \, - \, \frac{1}{16} \, \, \mathsf{g_2}^2 \, \, \mathsf{c_{\gamma}}^2 \, \, \overline{\mathsf{y_e}}^{\dot{1}2p} \, \, \mathsf{y_e}^{\dot{1}1p} \, \, \mathsf{LF_{2,2,1,-2}} \big[ \, \mathsf{m_2} \, , \, \, \tilde{\mu} \, , \, \, \mathsf{m_{\tilde{e}}}^{\dot{p}} \, \big] \, - \, \frac{1}{16} \, \, \mathsf{m_2}^2 \, \, \, \mathsf{m_2}^2 \, \, \, \mathsf{m_2}^2 \,
                                                                                                                                                      g_{2}^{2}\;c_{\gamma}^{2}\;\overline{y_{e}^{\text{i2p}}}\;y_{e}^{\text{i1p}}\;\mathsf{LF}_{2,2,1,-2}\!\left[\,\mathsf{m}_{2}\,,\;\tilde{\mu}\,,\;\mathsf{m}_{\tilde{l}}^{\text{i1}}\,\right]\,+\,\frac{_{3}}{_{16}}\;\mathsf{m}_{2}\;s_{\gamma}\;\tilde{\mu}\;c_{\gamma}\;g_{2}^{2}\;\overline{y_{e}^{\text{i2p}}}\;y_{e}^{\text{i1p}}
                                                                                                                                                                         \mathsf{LF_{2,2,1,-1}}\big[\,\mathsf{m_{2}}\,,\,\,\tilde{\mu}\,,\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{i}\,\mathsf{1}}\,\big]\,+\,\frac{1}{\mathsf{16}}\,\left(3\,\,\mathsf{g_{2}}^{2}\,\,\mathsf{c_{\gamma}}^{2}\,\,\overline{\mathsf{y_{e}}}^{\,\mathsf{i}\,\mathsf{2p}}\,\,\mathsf{y_{e}}^{\,\mathsf{i}\,\mathsf{1p}}\,+\,2\,\,\mathsf{g_{2}}^{\,\mathsf{4}}\,\,\delta_{\,\mathsf{i}\,\mathsf{1i}\,\mathsf{2}}\right)\,\,\mathsf{LF_{2,2,1,-2}}\big[\,\mathsf{m_{2}}\,,\,\,\tilde{\mu}\,,\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{i}\,\mathsf{2}}\,\big]\,\,+\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{i}\,\mathsf{2}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{i}\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{i}\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{2p}}\,\,\mathsf{m_{\tilde{l}}
                                                                                                                                                 \frac{1}{16} \; \mathsf{m_2} \; \mathsf{g_2}^2 \; \left( 3 \; \mathsf{s_Y} \, \widetilde{\boldsymbol{\mu}} \; \mathsf{c_Y} \, \overline{\mathsf{y_e}}^{\mathsf{i2p}} \; \mathsf{y_e}^{\mathsf{i1p}} + 2 \; \mathsf{g_2}^2 \; \left( \mathsf{m_2} + 4 \; \mathsf{s_Y} \, \widetilde{\boldsymbol{\mu}} \; \mathsf{c_Y} \right) \; \delta_{\mathsf{i1i2}} \right) \; \mathsf{LF_{2,2,1,-1}} \left[ \mathsf{m_2} \, , \; \widetilde{\boldsymbol{\mu}} \, , \; \mathsf{m_{\tilde{l}}}^{\mathsf{i2}} \right] \; + \; \mathsf{m_{\tilde{l}}}^{\mathsf{i2}} \right] \; \mathsf{LF_{2,2,1,-1}} \left[ \mathsf{m_2} \, , \; \widetilde{\boldsymbol{\mu}} \, , \; \mathsf{m_{\tilde{l}}}^{\mathsf{i2}} \right] \; \mathsf{LF_{2,2,1,-1}} \left[ \mathsf{m_2} \, , \; \widetilde{\boldsymbol{\mu}} \, , \; \mathsf{m_{\tilde{l}}}^{\mathsf{i2}} \right] \; \mathsf{LF_{2,2,1,-1}} \left[ \mathsf{m_2} \, , \; \widetilde{\boldsymbol{\mu}} \, , \; \mathsf{m_{\tilde{l}}}^{\mathsf{i2}} \right] \; \mathsf{LF_{2,2,1,-1}} \left[ \mathsf{m_2} \, , \; \widetilde{\boldsymbol{\mu}} \, , \; \mathsf{m_{\tilde{l}}}^{\mathsf{i2}} \right] \; \mathsf{LF_{2,2,1,-1}} \left[ \mathsf{m_2} \, , \; \widetilde{\boldsymbol{\mu}} \, , \; \mathsf{m_{\tilde{l}}}^{\mathsf{i2}} \right] \; \mathsf{LF_{2,2,1,-1}} \left[ \mathsf{m_2} \, , \; \widetilde{\boldsymbol{\mu}} \, , \; \mathsf{m_{\tilde{l}}}^{\mathsf{i2}} \right] \; \mathsf{LF_{2,2,2,1,-1}} \left[ \mathsf{m_2} \, , \; \widetilde{\boldsymbol{\mu}} \, , \; \mathsf{m_{\tilde{l}}}^{\mathsf{i2}} \right] \; \mathsf{LF_{2,2,2,1,-1}} \left[ \mathsf{m_2} \, , \; \widetilde{\boldsymbol{\mu}} \, , \; \mathsf{m_{\tilde{l}}}^{\mathsf{i2}} \right] \; \mathsf{LF_{2,2,2,1,-1}} \left[ \mathsf{m_2} \, , \; \widetilde{\boldsymbol{\mu}} \, , \; \mathsf{m_{\tilde{l}}}^{\mathsf{i2}} \right] \; \mathsf{LF_{2,2,2,1,-1}} \left[ \mathsf{m_2} \, , \; \widetilde{\boldsymbol{\mu}} \, , \; \mathsf{m_{\tilde{l}}}^{\mathsf{i2}} \right] \; \mathsf{LF_{2,2,2,1,-1}} \left[ \mathsf{m_2} \, , \; \widetilde{\boldsymbol{\mu}} \, , \; \mathsf{m_{\tilde{l}}}^{\mathsf{i2}} \right] \; \mathsf{LF_{2,2,2,1,-1}} \left[ \mathsf{m_2} \, , \; \widetilde{\boldsymbol{\mu}} \, , \; \mathsf{m_{\tilde{l}}}^{\mathsf{i2}} \right] \; \mathsf{LF_{2,2,2,1,-1}} \left[ \mathsf{m_2} \, , \; \widetilde{\boldsymbol{\mu}} \, , \; \mathsf{m_{\tilde{l}}}^{\mathsf{i2}} \right] \; \mathsf{LF_{2,2,2,1,-1}} \left[ \mathsf{m_2} \, , \; \widetilde{\boldsymbol{\mu}} \, , \; \mathsf{m_{\tilde{l}}}^{\mathsf{i2}} \right] \; \mathsf{LF_{2,2,2,1,-1}} \left[ \mathsf{m_2} \, , \; \mathsf{m_2}^{\mathsf{i2}} \right] \; \mathsf{LF_{2,2,2,1,-1}} \left[ \mathsf{m_2} \, , \; \mathsf{m_2}^{\mathsf{i2}} \right] \; \mathsf{LF_{2,2,2,1,-1}} \left[ \mathsf{m_2} \, , \; \mathsf{m_2}^{\mathsf{i2}} \right] \; \mathsf{LF_{2,2,2,1,-1}} \left[ \mathsf{m_2} \, , \; \mathsf{m_2}^{\mathsf{i2}} \right] \; \mathsf{LF_{2,2,2,1,-1}} \left[ \mathsf{m_2} \, , \; \mathsf{m_2}^{\mathsf{i2}} \right] \; \mathsf{LF_{2,2,2,2,1}} \left[ \mathsf{m_2} \, , \; \mathsf{m_2}^{\mathsf{i2}} \right] \; \mathsf{LF_{2,2,2,2,1}} \left[ \mathsf{m_2} \, , \; \mathsf{m_2}^{\mathsf{i2}} \right] \; \mathsf{LF_{2,2,2,2,2}} \right] \; \mathsf{LF_{2,2,2,2,2}} \; \mathsf{LF_{2,2,2,2}} \; \mathsf{LF_{2,2,2,2}} \; \mathsf{LF_{2,2,2,2}} \; \mathsf{LF_{2,2,2,2}} \; \mathsf{LF_{2,2,2}} \; \mathsf{LF_{2,2,2,2}} \; \mathsf{LF_
                                                                                                                                                 \frac{1}{16} \ g_1{}^2 \ c_\gamma{}^2 \ \overline{y_e}{}^{i2p} \ y_e{}^{i1p} \ \mathsf{LF}_{2,1,1,-1} \big[ \widetilde{\mu} \,,\, \mathsf{m}_1 \,,\, \mathsf{m}_{\widetilde{e}}{}^p \big] - \frac{1}{8} \ g_1{}^2 \ s_\gamma{}^2 \ \widetilde{y_e}{}^{i2p} \ y_e{}^{i1p} \ \mathsf{LF}_{2,1,1,0} \big[ \widetilde{\mu} \,,\, \mathsf{m}_1 \,,\, \mathsf{m}_{\widetilde{e}}{}^p \big] + \frac{1}{8} \ g_1{}^2 \ s_\gamma{}^2 \ \widetilde{y_e}{}^{i2p} \ y_e{}^{i1p} \ \mathsf{LF}_{2,1,1,0} \big[ \widetilde{\mu} \,,\, \mathsf{m}_1 \,,\, \mathsf{m}_{\widetilde{e}}{}^p \big] + \frac{1}{8} \ g_1{}^2 \ s_\gamma{}^2 \ \widetilde{y_e}{}^{i2p} \ y_e{}^{i1p} \ \mathsf{LF}_{2,1,1,0} \big[ \widetilde{\mu} \,,\, \mathsf{m}_1 \,,\, \mathsf{m}_{\widetilde{e}}{}^p \big] + \frac{1}{8} \ g_1{}^2 \ s_\gamma{}^2 \ \widetilde{y_e}{}^{i2p} \ y_e{}^{i2p} \ y_e{}^{i2p} \ \mathsf{LF}_{2,1,1,0} \big[ \widetilde{\mu} \,,\, \mathsf{m}_1 \,,\, \mathsf{m}_{\widetilde{e}}{}^p \big] + \frac{1}{8} \ s_\gamma{}^2 \ \widetilde{y_e}{}^{i2p} \ s_\gamma{}^2 \ \widetilde{y_e}{}^{i2p} \ s_\gamma{}^2 \ \widetilde{y_e}{}^{i2p} \ \mathsf{LF}_{2,1,1,0} \big[ \widetilde{\mu} \,,\, \mathsf{m}_1 \,,\, \mathsf{m}_{\widetilde{e}}{}^p \big] + \frac{1}{8} \ s_\gamma{}^2 \ \widetilde{y_e}{}^{i2p} \ s_\gamma{}^2 \ \widetilde{y_e}{}^{i2p} \ s_\gamma{}^2 \ \widetilde{y_e}{}^{i2p} \ \mathsf{LF}_{2,1,1,0} \big[ \widetilde{\mu} \,,\, \mathsf{m}_1 \,,\, \mathsf{m}_{\widetilde{e}}{}^p \big] + \frac{1}{8} \ s_\gamma{}^2 \ \widetilde{y_e}{}^{i2p} \ s_\gamma{
                                                                                                                                                 \frac{3}{16} \; g_{1}{}^{2} \; c_{\gamma}{}^{2} \; \overline{y_{e}}{}^{i2p} \; y_{e}{}^{i1p} \; \mathsf{LF}_{2,1,1,-1}\big[\tilde{\mu}\,,\, \mathsf{m}_{1}\,,\, \mathsf{m}_{\tilde{1}}{}^{i1}\big] \; + \; \frac{1}{8} \; \mathsf{m}_{1} \; s_{\gamma} \; \tilde{\mu} \; c_{\gamma} \; g_{1}{}^{2} \; \overline{y_{e}}{}^{i2p} \; y_{e}{}^{i1p} \; \mathsf{LF}_{2,1,1,0}\big[\tilde{\mu}\,,\, \mathsf{m}_{1}\,,\, \mathsf{m}_{\tilde{1}}{}^{i1}\big] \; - \; \frac{1}{8} \; \mathsf{m}_{1} \; s_{\gamma} \; \tilde{\mu} \; c_{\gamma} \; g_{1}{}^{2} \; \overline{y_{e}}{}^{i2p} \; y_{e}{}^{i1p} \; \mathsf{LF}_{2,1,1,0}\big[\tilde{\mu}\,,\, \mathsf{m}_{1}\,,\, \mathsf{m}_{\tilde{1}}{}^{i1}\big] \; - \; \frac{1}{8} \; \mathsf{m}_{1} \; s_{\gamma} \; \tilde{\mu} \; c_{\gamma} \; g_{1}{}^{2} \; \overline{y_{e}}{}^{i2p} \; y_{e}{}^{i1p} \; \mathsf{LF}_{2,1,1,0}\big[\tilde{\mu}\,,\, \mathsf{m}_{1}\,,\, \mathsf{m}_{\tilde{1}}{}^{i1}\big] \; - \; \frac{1}{8} \; \mathsf{m}_{1} \; s_{\gamma} \; \tilde{\mu} \; c_{\gamma} \; g_{1}{}^{2} \; \overline{y_{e}}{}^{i2p} \; y_{e}{}^{i1p} \; \mathsf{LF}_{2,1,1,0}\big[\tilde{\mu}\,,\, \mathsf{m}_{1}\,,\, \mathsf{m}_{\tilde{1}}{}^{i1}\big] \; - \; \frac{1}{8} \; \mathsf{m}_{1} \; s_{\gamma} \; \tilde{\mu} \; c_{\gamma} \; g_{1}{}^{2} \; \overline{y_{e}}{}^{i2p} \; y_{e}{}^{i1p} \; \mathsf{LF}_{2,1,1,0}\big[\tilde{\mu}\,,\, \mathsf{m}_{1}\,,\, \mathsf{m}_{\tilde{1}}{}^{i1}\big] \; - \; \frac{1}{8} \; \mathsf{m}_{1} \; s_{\gamma} \; \tilde{\mu} \; c_{\gamma} \; \tilde{\mu} \; s_{\gamma} \; \tilde{\mu} \; \tilde{\mu} \; s_{\gamma} \; \tilde{\mu}
                                                                                                                                                                                            g_{1}^{2} c_{\gamma}^{2} \overline{y_{e}}^{i2p} y_{e}^{i1p} LF_{3,1,1,-2} \big[ \widetilde{\mu}, m_{1}, m_{\tilde{l}}^{i1} \big] - \frac{1}{8} m_{1} s_{\gamma} \widetilde{\mu} c_{\gamma} g_{1}^{2} \overline{y_{e}}^{i2p} y_{e}^{i1p} LF_{3,1,1,-1} \big[ \widetilde{\mu}, m_{1}, m_{\tilde{l}}^{-i1} \big] + \frac{1}{8} m_{1} s_{\gamma} \widetilde{\mu} c_{\gamma} g_{1}^{2} \overline{y_{e}}^{i2p} y_{e}^{i1p} LF_{3,1,1,-1} \big[ \widetilde{\mu}, m_{1}, m_{\tilde{l}}^{-i1} \big] + \frac{1}{8} m_{1} s_{\gamma} \widetilde{\mu} c_{\gamma} g_{1}^{2} \overline{y_{e}}^{i2p} y_{e}^{i1p} LF_{3,1,1,-1} \big[ \widetilde{\mu}, m_{1}, m_{\tilde{l}}^{-i1} \big] + \frac{1}{8} m_{1} s_{\gamma} \widetilde{\mu} c_{\gamma} g_{1}^{2} \overline{y_{e}}^{i2p} y_{e}^{i1p} LF_{3,1,1,-1} \big[ \widetilde{\mu}, m_{1}, m_{\tilde{l}}^{-i1} \big] + \frac{1}{8} m_{1} s_{\gamma} \widetilde{\mu} c_{\gamma} g_{1}^{2} \overline{y_{e}}^{i2p} y_{e}^{i1p} LF_{3,1,1,-1} \big[ \widetilde{\mu}, m_{1}, m_{\tilde{l}}^{-i1} \big] + \frac{1}{8} m_{1} s_{\gamma} \widetilde{\mu} c_{\gamma} g_{1}^{2} \overline{y_{e}}^{i2p} y_{e}^{i1p} LF_{3,1,1,-1} \big[ \widetilde{\mu}, m_{1}, m_{\tilde{l}}^{-i1} \big] + \frac{1}{8} m_{1} s_{\gamma} \widetilde{\mu} c_{\gamma} g_{1}^{2} \overline{y_{e}}^{i2p} y_{e}^{i1p} LF_{3,1,1,-1} \big[ \widetilde{\mu}, m_{1}, m_{\tilde{l}}^{-i1} \big] + \frac{1}{8} m_{1} s_{\gamma} \widetilde{\mu} c_{\gamma} g_{1}^{2} \overline{y_{e}}^{i2p} y_{e}^{i1p} LF_{3,1,1,-1} \big[ \widetilde{\mu}, m_{1}, m_{\tilde{l}}^{-i1} \big] + \frac{1}{8} m_{1} s_{\gamma} \widetilde{\mu} c_{\gamma} g_{1}^{2} \overline{y_{e}}^{i1p} y_{e}^{i1p} LF_{3,1,1,-1} \big[ \widetilde{\mu}, m_{1}, m_{
                                                                                                                                                 \frac{3}{16} \ g_1{}^2 \ c_\gamma{}^2 \ \overline{y_e}{}^{i2p} \ y_e{}^{i1p} \ \mathsf{LF}_{2,1,1,-1} \big[ \tilde{\mu} \,, \, \mathsf{m}_1 \,, \, \mathsf{m}_{\tilde{l}}{}^{i2} \big] \, + \, \frac{1}{8} \ \mathsf{m}_1 \ \mathsf{s}_\gamma \ \tilde{\mu} \ c_\gamma \ g_1{}^2 \ \overline{y_e}{}^{i2p} \ y_e{}^{i1p} \ \mathsf{LF}_{2,1,1,0} \big[ \tilde{\mu} \,, \, \mathsf{m}_1 \,, \, \mathsf{m}_{\tilde{l}}{}^{i2} \big] \, - \, \frac{1}{8} \ \mathsf{m}_1 \ \mathsf{s}_\gamma \ \tilde{\mu} \ \mathsf{c}_\gamma \ g_1{}^2 \ \overline{y_e}{}^{i2p} \ \mathsf{y}_e{}^{i1p} \ \mathsf{LF}_{2,1,1,0} \big[ \tilde{\mu} \,, \, \mathsf{m}_1 \,, \, \mathsf{m}_{\tilde{l}}{}^{i2} \big] \, - \, \frac{1}{8} \ \mathsf{m}_1 \ \mathsf{s}_\gamma \ \tilde{\mu} \ \mathsf{c}_\gamma \ \mathsf{g}_1{}^2 \ \overline{y_e}{}^{i2p} \ \mathsf{g}_1{}^{i2p} \ 
                                                                                                                                                                                            {g_{1}}^{2}\;{c_{\gamma}}^{2}\;\overline{y_{e}}^{i2p}\;{y_{e}}^{i1p}\;\mathsf{LF_{3,1,1,-2}}\big[\tilde{\mu}\text{, }\mathsf{m}_{1}\text{, }\mathsf{m}_{\tilde{l}}^{i2}\big]\;-\;\tfrac{1}{8}\;\mathsf{m}_{1}\;s_{\gamma}\;\tilde{\mu}\;{c_{\gamma}}\;{g_{1}}^{2}\;\overline{y_{e}}^{i2p}\;{y_{e}}^{i1p}\;\mathsf{LF_{3,1,1,-1}}\big[\tilde{\mu}\text{, }\mathsf{m}_{1}\text{, }\mathsf{m}_{\tilde{l}}^{i2}\big]\;-\;\tfrac{1}{8}\;\mathsf{m}_{1}\;s_{\gamma}\;\tilde{\mu}\;{c_{\gamma}}\;g_{1}^{2}\;\overline{y_{e}}^{i2p}\;{y_{e}}^{i1p}\;\mathsf{LF_{3,1,1,-1}}\big[\tilde{\mu}\text{, }\mathsf{m}_{1}\text{, }\mathsf{m}_{\tilde{l}}^{i2}\big]\;-\;\tfrac{1}{8}\;\mathsf{m}_{1}\;s_{\gamma}\;\tilde{\mu}\;{c_{\gamma}}\;g_{1}^{2}\;\overline{y_{e}}^{i2p}\;{y_{e}}^{i1p}\;\mathsf{LF_{3,1,1,-1}}\big[\tilde{\mu}\text{, }\mathsf{m}_{1}\text{, }\mathsf{m}_{\tilde{l}}^{i2}\big]\;-\;\tfrac{1}{8}\;\mathsf{m}_{1}\;s_{\gamma}\;\tilde{\mu}\;{c_{\gamma}}\;g_{1}^{2}\;\overline{y_{e}}^{i2p}\;{y_{e}}^{i1p}\;\mathsf{LF_{3,1,1,-1}}\big[\tilde{\mu}\text{, }\mathsf{m}_{1}\text{, }\mathsf{m}_{\tilde{l}}^{i2}\big]
                                                                                                                                                 \frac{1}{16} \ g_2{}^2 \ c_\gamma{}^2 \ \overline{y_e}{}^{i2p} \ y_e{}^{i1p} \ \mathsf{LF}_{2,1,1,-1} \big[ \tilde{\mu} \,,\, \mathsf{m}_2 \,,\, \mathsf{m}_{\tilde{e}}{}^p \big] \,+\, \frac{1}{8} \ g_2{}^2 \ s_\gamma{}^2 \ \tilde{\mu}^2 \ \overline{y_e}{}^{i2p} \ y_e{}^{i1p} \ \mathsf{LF}_{2,1,1,0} \big[ \tilde{\mu} \,,\, \mathsf{m}_2 \,,\, \mathsf{m}_{\tilde{e}}{}^p \big] \,-\, \frac{1}{8} \ g_2{}^2 \ s_\gamma{}^2 \ \tilde{\mu}^2 \ \overline{y_e}{}^{i2p} \ y_e{}^{i1p} \ \mathsf{LF}_{2,1,1,0} \big[ \tilde{\mu} \,,\, \mathsf{m}_2 \,,\, \mathsf{m}_{\tilde{e}}{}^p \big] \,-\, \frac{1}{8} \ g_2{}^2 \ s_\gamma{}^2 \ \tilde{\mu}^2 \ \overline{y_e}{}^{i2p} \ y_e{}^{i1p} \ \mathsf{LF}_{2,1,1,0} \big[ \tilde{\mu} \,,\, \mathsf{m}_2 \,,\, \mathsf{m}_{\tilde{e}}{}^p \big] \,-\, \frac{1}{8} \ g_2{}^2 \ s_\gamma{}^2 \ \tilde{\mu}^2 \ \overline{y_e}{}^{i2p} \ y_e{}^{i1p} \ \mathsf{LF}_{2,1,1,0} \big[ \tilde{\mu} \,,\, \mathsf{m}_2 \,,\, \mathsf{m}_{\tilde{e}}{}^p \big] \,-\, \frac{1}{8} \ g_2{}^2 \ s_\gamma{}^2 \ \tilde{\mu}^2 \ \overline{y_e}{}^{i2p} \ y_e{}^{i1p} \ \mathsf{LF}_{2,1,1,0} \big[ \tilde{\mu} \,,\, \mathsf{m}_2 \,,\, \mathsf{m}_{\tilde{e}}{}^p \big] \,-\, \frac{1}{8} \ s_\gamma{}^2 \ \tilde{\mu}^2 \ \tilde{\mu}^2
                                                                                                                                                 \frac{9}{16} \ g_2{}^2 \ c_\gamma{}^2 \ \overline{y_e}{}^{i2p} \ y_e{}^{i1p} \ \mathsf{LF}_{2,1,1,-1} \big[ \tilde{\mu} \,,\, \mathsf{m}_2 \,,\, \mathsf{m}_{\tilde{l}}{}^{i1} \big] \, - \, \frac{3}{8} \ \mathsf{m}_2 \ \mathsf{s}_\gamma \ \tilde{\mu} \ c_\gamma \ g_2{}^2 \ \overline{y_e}{}^{i2p} \ y_e{}^{i1p} \ \mathsf{LF}_{2,1,1,0} \big[ \tilde{\mu} \,,\, \mathsf{m}_2 \,,\, \mathsf{m}_{\tilde{l}}{}^{i1} \big] \, + \, \frac{3}{8} \ \mathsf{m}_2 \ \mathsf{s}_\gamma \ \tilde{\mu} \ \mathsf{c}_\gamma \ g_2{}^2 \ \overline{y_e}{}^{i2p} \ \mathsf{y}_e{}^{i1p} \ \mathsf{LF}_{2,1,1,0} \big[ \tilde{\mu} \,,\, \mathsf{m}_2 \,,\, \mathsf{m}_{\tilde{l}}{}^{i1} \big] \, + \, \frac{3}{8} \ \mathsf{m}_2 \ \mathsf{s}_\gamma \ \tilde{\mu} \ \mathsf{c}_\gamma \ \mathsf{g}_2{}^2 \ \overline{\mathsf{y}_e}{}^{i2p} \ \mathsf{y}_e{}^{i1p} \ \mathsf{LF}_{2,1,1,0} \big[ \tilde{\mu} \,,\, \mathsf{m}_2 \,,\, \mathsf{m}_{\tilde{l}}{}^{i1} \big] \, + \, \frac{3}{8} \ \mathsf{m}_2 \ \mathsf{s}_\gamma \ \tilde{\mu} \ \mathsf{e}_\gamma \ \mathsf{g}_\gamma \ \mathsf
                                                                                                                                                                                        g_{2}{}^{2}\,c_{\gamma}{}^{2}\,\overline{y_{e}}{}^{i2p}\,y_{e}{}^{i1p}\,\mathsf{LF}_{3,1,1,-2}\big[\tilde{\mu}\,,\,\mathsf{m}_{2}\,,\,\mathsf{m}_{\tilde{l}}{}^{i1}\big]\,+\,\tfrac{3}{8}\,\mathsf{m}_{2}\,s_{\gamma}\,\tilde{\mu}\,c_{\gamma}\,g_{2}{}^{2}\,\overline{y_{e}}{}^{i2p}\,y_{e}{}^{i1p}\,\mathsf{LF}_{3,1,1,-1}\big[\tilde{\mu}\,,\,\mathsf{m}_{2}\,,\,\mathsf{m}_{\tilde{l}}{}^{i1}\big]\,-\,\mathsf{m}_{\tilde{l}}{}^{i1}\big]
                                                                                                                                                 \frac{9}{16} \; g_2^2 \; c_\gamma^2 \; \overline{y_e}^{i2p} \; y_e^{i1p} \; \mathsf{LF}_{2,1,1,-1} \big[ \widetilde{\mu} \; , \; \mathsf{m}_2 \; , \; \mathsf{m}_{\tilde{l}}^{\; i2} \big] \; - \; \frac{3}{8} \; \mathsf{m}_2 \; s_\gamma \; \widetilde{\mu} \; c_\gamma \; g_2^2 \; \overline{y_e}^{i2p} \; y_e^{\; i1p} \; \mathsf{LF}_{2,1,1,0} \big[ \widetilde{\mu} \; , \; \mathsf{m}_2 \; , \; \mathsf{m}_{\tilde{l}}^{\; i2} \big] \; + \; \frac{3}{8} \; \mathsf{m}_2 \; s_\gamma \; \widetilde{\mu} \; c_\gamma \; g_2^2 \; \overline{y_e}^{i2p} \; y_e^{\; i1p} \; \mathsf{LF}_{2,1,1,0} \big[ \widetilde{\mu} \; , \; \mathsf{m}_2 \; , \; \mathsf{m}_{\tilde{l}}^{\; i2} \big] \; + \; \frac{3}{8} \; \mathsf{m}_2 \; s_\gamma \; \widetilde{\mu} \; c_\gamma \; g_2^2 \; \overline{y_e}^{i2p} \; y_e^{\; i1p} \; \mathsf{LF}_{2,1,1,0} \big[ \widetilde{\mu} \; , \; \mathsf{m}_2 \; , \; \mathsf{m}_{\tilde{l}}^{\; i2} \big] \; + \; \frac{3}{8} \; \mathsf{m}_2 \; s_\gamma \; \widetilde{\mu} \; c_\gamma \; g_2^2 \; \overline{y_e}^{i2p} \; y_e^{\; i1p} \; \mathsf{LF}_{2,1,1,0} \big[ \widetilde{\mu} \; , \; \mathsf{m}_2 \; , \; \mathsf{m}_{\tilde{l}}^{\; i2p} \big] \; + \; \frac{3}{8} \; \mathsf{m}_2 \; s_\gamma \; \widetilde{\mu} \; c_\gamma \; g_2^2 \; \overline{y_e}^{i2p} \; y_e^{\; i1p} \; \mathsf{LF}_{2,1,1,0} \big[ \widetilde{\mu} \; , \; \mathsf{m}_2 \; , \; \mathsf{m}_{\tilde{l}}^{\; i2p} \big] \; + \; \frac{3}{8} \; \mathsf{m}_2 \; s_\gamma \; \widetilde{\mu} \; c_\gamma \; g_2^2 \; \overline{y_e}^{\; i2p} \; y_e^{\; i1p} \; \mathsf{LF}_{2,1,1,0} \big[ \widetilde{\mu} \; , \; \mathsf{m}_2 \; , \; \mathsf{m}_{\tilde{l}}^{\; i2p} \big] \; + \; \frac{3}{8} \; \mathsf{m}_2 \; s_\gamma \; \widetilde{\mu} \; c_\gamma \; g_2^2 \; \overline{y_e}^{\; i2p} \; y_e^{\; i1p} \; \mathsf{LF}_{2,1,1,0} \big[ \widetilde{\mu} \; , \; \mathsf{m}_2 \; , \; \mathsf{m}_{\tilde{l}}^{\; i2p} \big] \; + \; \frac{3}{8} \; \mathsf{m}_2 \; s_\gamma \; \widetilde{\mu} 
                                                                                                                                                 \frac{3}{8}\,g_{2}{}^{2}\,c_{\gamma}{}^{2}\,\overline{y_{e}}^{i2p}\,y_{e}{}^{i1p}\,\mathsf{LF}_{3,1,1,-2}\big[\tilde{\mu}\,,\,\mathsf{m}_{2}\,,\,\mathsf{m}_{\tilde{l}}{}^{i2}\big]\,+\,\frac{3}{8}\,\mathsf{m}_{2}\,s_{\gamma}\,\tilde{\mu}\,c_{\gamma}\,g_{2}{}^{2}\,\overline{y_{e}}{}^{i2p}\,y_{e}{}^{i1p}\,\mathsf{LF}_{3,1,1,-1}\big[\tilde{\mu}\,,\,\mathsf{m}_{2}\,,\,\mathsf{m}_{\tilde{l}}{}^{i2}\big]\,+\,\frac{3}{8}\,\mathsf{m}_{2}\,s_{\gamma}\,\tilde{\mu}\,c_{\gamma}\,g_{2}{}^{2}\,\overline{y_{e}}{}^{i2p}\,y_{e}{}^{i1p}\,\mathsf{LF}_{3,1,1,-1}\big[\tilde{\mu}\,,\,\mathsf{m}_{2}\,,\,\mathsf{m}_{\tilde{l}}{}^{i2}\big]\,+\,\frac{3}{8}\,\mathsf{m}_{2}\,s_{\gamma}\,\tilde{\mu}\,c_{\gamma}\,g_{2}{}^{2}\,\overline{y_{e}}{}^{i2p}\,y_{e}{}^{i1p}\,\mathsf{LF}_{3,1,1,-1}\big[\tilde{\mu}\,,\,\mathsf{m}_{2}\,,\,\mathsf{m}_{\tilde{l}}{}^{i2}\big]\,+\,\frac{3}{8}\,\mathsf{m}_{2}\,s_{\gamma}\,\tilde{\mu}\,c_{\gamma}\,g_{2}{}^{2}\,\overline{y_{e}}{}^{i2p}\,y_{e}{}^{i1p}\,\mathsf{LF}_{3,1,1,-1}\big[\tilde{\mu}\,,\,\mathsf{m}_{2}\,,\,\mathsf{m}_{\tilde{l}}{}^{i2}\big]\,+\,\frac{3}{8}\,\mathsf{m}_{2}\,s_{\gamma}\,\tilde{\mu}\,c_{\gamma}\,g_{2}{}^{2}\,\overline{y_{e}}{}^{i2p}\,y_{e}{}^{i1p}\,\mathsf{LF}_{3,1,1,-1}\big[\tilde{\mu}\,,\,\mathsf{m}_{2}\,,\,\mathsf{m}_{\tilde{l}}{}^{i2}\big]\,+\,\frac{3}{8}\,\mathsf{m}_{2}\,s_{\gamma}\,\tilde{\mu}\,c_{\gamma}\,g_{2}{}^{2}\,\overline{y_{e}}{}^{i2p}\,y_{e}{}^{i1p}\,\mathsf{LF}_{3,1,1,-1}\big[\tilde{\mu}\,,\,\mathsf{m}_{2}\,,\,\mathsf{m}_{\tilde{l}}{}^{i2}\big]\,+\,\frac{3}{8}\,\mathsf{m}_{2}\,s_{\gamma}\,\tilde{\mu}\,c_{\gamma}\,g_{2}{}^{2}\,\overline{y_{e}}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{\gamma}\,s_{
                                                                                                                                                                                            {g_{1}}^{2}\;{g_{2}}^{2}\;\left(-\,{c_{\gamma}}^{2}\,+\,{s_{\gamma}}^{2}\right)\;\mathsf{LF_{1,1,1,1,-1}}\!\left[\,\mathsf{m_{1}}\,,\;\mathsf{m_{2}}\,,\;\mathsf{m_{\tilde{l}}}^{\,\,\dot{1}\,2}\,,\;\widetilde{\mu}\,\right]\;\delta_{\,\dot{1}\dot{1}\dot{1}\,2}\;+
                                                                                                                                                                                            \textbf{m_1} \ \textbf{m_2} \ \textbf{g_1}^2 \ \textbf{g_2}^2 \ \left( - \ \textbf{c_{\curlyvee}}^2 + \ \textbf{s_{\curlyvee}}^2 \right) \ \textbf{LF_{1,1,1,1,0}} \left[ \ \textbf{m_1, m_2, m_{\~{1}}}^2 \ \textbf{,} \ \widetilde{\mu} \right] \ \delta_{\texttt{11i}2} + \\
                                                                                                                                                 \frac{1}{32} \; g_{1}^{\; 2} \; \overline{y_{e}}^{12p} \; \left( m_{1} \; c_{\gamma} + s_{\gamma} \; \widetilde{\mu} \right) \; \left( c_{\gamma} \; a_{e}^{\; 11p} - s_{\gamma} \; \widetilde{\mu} \; y_{e}^{\; 11p} \right) \; \mathsf{LF}_{2,1,1,1,-1} \big[ m_{1} \; , \; m_{\tilde{e}}^{\; p} \; , \; m_{\tilde{l}}^{\; 11} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1,1,1,-1} \big[ m_{1} \; , \; m_{\tilde{e}}^{\; p} \; , \; m_{\tilde{l}}^{\; 11} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1,1,1,-1} \big[ m_{1} \; , \; m_{\tilde{e}}^{\; p} \; , \; m_{\tilde{l}}^{\; 11} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1,1,1,-1} \big[ m_{1} \; , \; m_{\tilde{e}}^{\; p} \; , \; m_{\tilde{l}}^{\; 11} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1,1,1,-1} \big[ m_{1} \; , \; m_{\tilde{e}}^{\; p} \; , \; m_{\tilde{l}}^{\; 11} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1,1,1,-1} \big[ m_{1} \; , \; m_{\tilde{e}}^{\; p} \; , \; m_{\tilde{l}}^{\; p} \; , \; m_{\tilde{l}}^{\; p} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1,1,1,-1} \big[ m_{1} \; , \; m_{\tilde{e}}^{\; p} \; , \; m_{\tilde{l}}^{\; p} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1,1,1,1,-1} \big[ m_{1} \; , \; m_{\tilde{e}}^{\; p} \; , \; m_{\tilde{l}}^{\; p} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1,1,1,1,-1} \big[ m_{1} \; , \; m_{\tilde{e}}^{\; p} \; , \; m_{\tilde{l}}^{\; p} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1,1,1,1,-1} \big[ m_{1} \; , \; m_{\tilde{e}}^{\; p} \; , \; m_{\tilde{l}}^{\; p} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1,1,1,1,-1} \big[ m_{1} \; , \; m_{\tilde{l}}^{\; p} \; , \; m_{\tilde{l}}^{\; p} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1,1,1,1,-1} \big[ m_{1} \; , \; m_{\tilde{l}}^{\; p} \; , \; m_{\tilde{l}}^{\; p} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1,1,1,1,-1} \big[ m_{1} \; , \; m_{\tilde{l}}^{\; p} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1,1,1,1,-1} \big[ m_{1} \; , \; m_{\tilde{l}}^{\; p} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1,1,1,1,-1} \big[ m_{1} \; , \; m_{\tilde{l}}^{\; p} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1,1,1,1,-1} \big[ m_{1} \; , \; m_{\tilde{l}}^{\; p} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1,1} \big[ m_{1} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1,1,1,1,1} \big[ m_{1} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1,1} \big[ m_{1} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1,1} \big[ m_{1} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1,1} \big[ m_{1} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1,1} \big[ m_{1} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1} \big[ m_{1} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1} \big[ m_{1} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1} \big[ m_{1} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1} \big[ m_{1} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1} \big[ m_{1} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{LF}_{2,1} \big[ m_{1} \; , \; \widetilde{\mu} \big] 
                                                                                                                                                 \frac{1}{16} \ g_{1}^{\ 2} \ y_{e}^{\ i1p} \ (m_{1} \ c_{\gamma} - s_{\gamma} \ \widetilde{\mu}) \ \left(c_{\gamma} \ \overline{a_{e}}^{i2p} - s_{\gamma} \ \widetilde{\mu} \ \overline{y_{e}}^{i2p}\right) \ LF_{1,1,1,1,0} \big[m_{1} \ , \ m_{\tilde{e}}^{\ p} \ , \ m_{\tilde{l}}^{\ i2} \ , \ \widetilde{\mu} \, \big] \ + \ c_{\gamma} \ (m_{1} \ , \ m_{\tilde{e}}^{\ p} \ , \ m_{\tilde{l}}^{\ i2} \ , \ \widetilde{\mu} \, \big] + \ c_{\gamma} \ (m_{1} \ , \ m_{\tilde{e}}^{\ p} \ , \ m_{\tilde{l}}^{\ i2} \ , \ \widetilde{\mu} \, \big] + \ c_{\gamma} \ (m_{1} \ , \ m_{\tilde{e}}^{\ p} \ , \ m_{\tilde{l}}^{\ i2} \ , \ \widetilde{\mu} \, \big] + \ c_{\gamma} \ (m_{1} \ , \ m_{\tilde{e}}^{\ p} \ , \ m_{\tilde{l}}^{\ i2} \ , \ \widetilde{\mu} \, \big] + \ c_{\gamma} \ (m_{1} \ , \ m_{\tilde{e}}^{\ p} \ , \ m_{\tilde{l}}^{\ i2} \ , \ \widetilde{\mu} \, \big] + \ c_{\gamma} \ (m_{1} \ , \ m_{\tilde{e}}^{\ p} \ , \ m_{\tilde{e}}^{\ p} \ , \ m_{\tilde{l}}^{\ i2} \ , \ \widetilde{\mu} \, \big] + \ c_{\gamma} \ (m_{1} \ , \ m_{\tilde{e}}^{\ p} \ , \ m_{\tilde{l}}^{\ p} \ , \ m_{\tilde{l}}^
                                                                                                                                                 \frac{1}{32}~g_{1}^{~2}~y_{e}^{~i1p}~(m_{1}~c_{\gamma}+s_{\gamma}~\widetilde{\mu})~\left(c_{\gamma}~\overline{a_{e}}^{i2p}-s_{\gamma}~\widetilde{\mu}~\overline{y_{e}}^{i2p}\right)~LF_{2,1,1,1,-1}\big[m_{1},~m_{\tilde{e}}^{~p},~m_{\tilde{l}}^{~i2},~\widetilde{\mu}\big]~+
                                                                                                                                                                                                                \frac{1}{32} \; g_2^{\; 2} \; \overline{y_e}^{i2p} \; \left( \mathsf{m}_2 \; \mathsf{c}_{\scriptscriptstyle \Upsilon} + \mathsf{s}_{\scriptscriptstyle \Upsilon} \; \widetilde{\mu} \right) \; \left( \mathsf{c}_{\scriptscriptstyle \Upsilon} \; \mathsf{a_e}^{i1p} - \mathsf{s}_{\scriptscriptstyle \Upsilon} \; \widetilde{\mu} \; \mathsf{y_e}^{i1p} \right) \; \mathsf{LF}_{2,1,1,1,-1} \big[ \mathsf{m}_2 \; , \; \mathsf{m}_{\bar{\mathsf{e}}}^{\; p} \; , \; \mathsf{m}_{\bar{\mathsf{l}}}^{\; i1} \; , \; \widetilde{\mu} \big] \; + \; \mathsf{m}_{\bar{\mathsf{l}}}^{\; i1} \; , \; \mathsf{m}_{\bar{\mathsf{l}}}^{\; i2p} \; , \; \mathsf{m}_{\bar{\mathsf{l}}}^{\;
                                                                                                                                                                                                                g_{2}{}^{2}\;y_{e}{}^{i1p}\;\left(m_{2}\;c_{\gamma}-s_{\gamma}\;\widetilde{\mu}\right)\;\left(c_{\gamma}\;\overline{a_{e}}{}^{i2p}-s_{\gamma}\;\widetilde{\mu}\;\overline{y_{e}}{}^{i2p}\right)\;LF_{1,1,1,1,0}\!\left[m_{2}\,,\;m_{\tilde{e}}{}^{p}\,,\;m_{\tilde{l}}{}^{i2}\,,\;\widetilde{\mu}\right]\;+
                                                                                                                                                 \frac{1}{32} \; g_{1}^{\; 2} \; \overline{y_{e}}^{i2p} \; \left( m_{1} \; c_{\gamma} + s_{\gamma} \; \widetilde{\mu} \right) \; \left( c_{\gamma} \; a_{e}^{\; i1p} - s_{\gamma} \; \widetilde{\mu} \; y_{e}^{\; i1p} \right) \; \mathsf{LF}_{2,1,1,1,-1} \big[ \, m_{\bar{e}}^{\; p} \, , \; m_{1} \, , \; m_{\bar{1}}^{\; i1} \, , \; \widetilde{\mu} \, \big] \; - \; c_{\gamma} \; \widetilde{\mu} \; .
                                                                                                                                                 \frac{1}{16} g_{1}^{2} \left( c_{\gamma} \overline{a_{e}}^{i2p} - s_{\gamma} \tilde{\mu} \overline{y_{e}}^{i2p} \right) \left( c_{\gamma} a_{e}^{i1p} - s_{\gamma} \tilde{\mu} y_{e}^{i1p} \right) LF_{2,1,1,1,-1} \left[ m_{\tilde{e}}^{p}, m_{1}, m_{\tilde{l}}^{i2}, m_{\tilde{l}}^{i1} \right] - m_{\tilde{l}}^{i1} \left[ m_{\tilde{e}}^{p}, m_{1}, m_{\tilde{l}}^{i2}, m_{\tilde{l}}^{i1} \right] - m_{\tilde{l}}^{i1} \left[ m_{\tilde{e}}^{p}, m_{1}, m_{\tilde{l}}^{i2}, m_{\tilde{l}}^{i1} \right] - m_{\tilde{l}}^{i1} \left[ m_{\tilde{e}}^{p}, m_{1}, m_{\tilde{l}}^{i2}, 
                                                                                                                                             \frac{1}{32} \; g_{1}^{\; 2} \; y_{e}^{\; i1p} \; \left( m_{1} \; c_{\gamma} + s_{\gamma} \; \widetilde{\mu} \right) \; \left( c_{\gamma} \; \overline{a_{e}}^{\; i2p} - s_{\gamma} \; \widetilde{\mu} \; \overline{y_{e}}^{\; i2p} \right) \; \mathsf{LF}_{2,1,1,1,-1} \big[ \, m_{\bar{e}}^{\; p} \, , \; m_{1} \, , \; m_{\bar{1}}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; \widetilde{\mu} \, \big] \; - \, m_{1}^{\; i2} \, , \; 
                                                                                                                                                 \frac{1}{32} \; g_2^{\; 2} \; \overline{y_e}^{i2p} \; \left( \mathsf{m}_2 \; \mathsf{c}_{\scriptscriptstyle \Upsilon} + \mathsf{s}_{\scriptscriptstyle \Upsilon} \; \widetilde{\mu} \right) \; \left( \mathsf{c}_{\scriptscriptstyle \Upsilon} \; \mathsf{a_e}^{i1p} - \mathsf{s}_{\scriptscriptstyle \Upsilon} \; \widetilde{\mu} \; \mathsf{y_e}^{i1p} \right) \; \mathsf{LF}_{2,1,1,1,-1} \big[ \, \mathsf{m_{\bar{e}}}^{\, p} \, , \; \mathsf{m}_2 \, , \; \mathsf{m_{\bar{l}}}^{\, i1} \, , \; \widetilde{\mu} \, \big] \; + \; \mathsf{m_{\bar{l}}}^{\, i2p} \; , \; \mathsf{m_{\bar{l}}}^{\, i2p}
                                                                                                                                             \frac{1}{16} \ g_2^2 \ \left( c_\gamma \ \overline{a_e}^{i2p} - s_\gamma \ \widetilde{\mu} \ \overline{y_e}^{i2p} \right) \ \left( c_\gamma \ a_e^{i1p} - s_\gamma \ \widetilde{\mu} \ y_e^{i1p} \right) \ \mathsf{LF}_{2,1,1,1,-1} \big[ \ \mathsf{m_{\tilde{e}}}^p, \ \mathsf{m_2}, \ \mathsf{m_{\tilde{l}}}^{i2}, \ \mathsf{m_{\tilde{l}}}^{i1} \big] - s_\gamma \ \widetilde{\mu} \ \mathsf{m_{\tilde{l}}}^{i1} \big] - s_\gamma \ \widetilde{\mu} \ \mathsf{m_{\tilde{l}}}^{i2} + s_\gamma \ \widetilde{\mu} \ \mathsf{m_{\tilde{l}}}^{i2} + s_\gamma \ \widetilde{\mu} \ \mathsf{m_{\tilde{l}}}^{i2} + s_\gamma \ \mathsf{m_{\tilde{l}}}^{i2}
                                                                                                                                             \frac{1}{32} \; g_2^{\; 2} \; y_e^{\; i1p} \; \left( m_2 \; c_{\gamma} + s_{\gamma} \; \widetilde{\mu} \right) \; \left( c_{\gamma} \; \overline{a_e}^{\; i2p} - s_{\gamma} \; \widetilde{\mu} \; \overline{y_e}^{\; i2p} \right) \; \mathsf{LF}_{2,1,1,1,-1} \! \left[ \, m_{\tilde{e}}^{\; p} \, , \; m_2 \, , \; m_{\tilde{l}}^{\; i2} \, , \; \widetilde{\mu} \, \right] \; + \; \mathsf{LF}_{2,1,1,1,-1} \left[ \, m_{\tilde{e}}^{\; p} \, , \; m_2 \, , \; m_{\tilde{l}}^{\; i2} \, , \; \widetilde{\mu} \, \right] \; + \; \mathsf{LF}_{2,1,1,1,-1} \left[ \, m_{\tilde{e}}^{\; p} \, , \; m_2 \, , \; m_{\tilde{l}}^{\; i2} \, , \; \widetilde{\mu} \, \right] \; + \; \mathsf{LF}_{2,1,1,1,-1} \left[ \, m_{\tilde{e}}^{\; p} \, , \; m_2 \, , \; m_{\tilde{l}}^{\; i2} \, , \; \widetilde{\mu} \, \right] \; + \; \mathsf{LF}_{2,1,1,1,-1} \left[ \, m_{\tilde{e}}^{\; p} \, , \; m_2 \, , \; m_{\tilde{l}}^{\; i2} \, , \; \widetilde{\mu} \, \right] \; + \; \mathsf{LF}_{2,1,1,1,-1} \left[ \, m_{\tilde{e}}^{\; p} \, , \; m_2 \, , \; m_{\tilde{l}}^{\; i2} \, , \; \widetilde{\mu} \, \right] \; + \; \mathsf{LF}_{2,1,1,1,-1} \left[ \, m_{\tilde{e}}^{\; p} \, , \; m_2 \, , \; m_{\tilde{l}}^{\; i2} \, , \; \widetilde{\mu} \, \right] \; + \; \mathsf{LF}_{2,1,1,1,-1} \left[ \, m_{\tilde{e}}^{\; p} \, , \; m_2 \, , \; m_{\tilde{l}}^{\; i2} \, , \; \widetilde{\mu} \, \right] \; + \; \mathsf{LF}_{2,1,1,1,1} \left[ \, m_{\tilde{e}}^{\; p} \, , \; m_2 \, , \; m_{\tilde{l}}^{\; i2} \, , \; \widetilde{\mu} \, \right] \; + \; \mathsf{LF}_{2,1,1,1,1} \left[ \, m_{\tilde{e}}^{\; p} \, , \; m_2 \, , \; m_{\tilde{l}}^{\; i2} \, , \; \widetilde{\mu} \, \right] \; + \; \mathsf{LF}_{2,1,1,1,1} \left[ \, m_{\tilde{e}}^{\; p} \, , \; m_2 \, , \; m_{\tilde{l}}^{\; i2} \, , \; \widetilde{\mu} \, \right] \; + \; \mathsf{LF}_{2,1,1,1} \left[ \, m_{\tilde{l}}^{\; p} \, , \; m_2 \, , \; m_{\tilde{l}}^{\; i2} \, , \; \widetilde{\mu} \, \right] \; + \; \mathsf{LF}_{2,1,1} \left[ \, m_{\tilde{l}}^{\; p} \, , \; m_2 \, , \; m_{\tilde{l}}^{\; p} \, , \; \widetilde{\mu} \, \right] \; + \; \mathsf{LF}_{2,1,1} \left[ \, m_{\tilde{l}}^{\; p} \, , \; m_2 \, , \; \widetilde{\mu} \, , \; \widetilde{\mu} \, \right] \; + \; \mathsf{LF}_{2,1,1} \left[ \, m_{\tilde{l}}^{\; p} \, , \; m_2 \, , \; \widetilde{\mu} \, , \; \widetilde{\mu} \, \right] \; + \; \mathsf{LF}_{2,1} \left[ \, m_{\tilde{l}}^{\; p} \, , \; m_2 \, , \; \widetilde{\mu} \, , \; \widetilde{\mu} \, , \; \widetilde{\mu} \, \right] \; + \; \mathsf{LF}_{2,1} \left[ \, m_{\tilde{l}}^{\; p} \, , \; \widetilde{\mu} \, \right] \; + \; \mathsf{LF}_{2,1} \left[ \, m_{\tilde{l}}^{\; p} \, , \; m_2 \, , \; \widetilde{\mu} 
                                                                                                                                                                                                                g_{1}^{2}\,\overline{y_{e}}^{i2p}\,\left(m_{1}\,c_{\gamma}+s_{\gamma}\,\widetilde{\mu}\right)\,\left(c_{\gamma}\,a_{e}^{\,i1p}-s_{\gamma}\,\widetilde{\mu}\,y_{e}^{\,i1p}\right)\,\mathsf{LF}_{2,1,1,1,-1}\!\left[m_{\tilde{l}}^{\,i1},\,m_{1},\,m_{\tilde{e}}^{\,p},\,\widetilde{\mu}\right]+c_{1}^{2}\,\mathcal{F}_{2,1,1,1,-1}^{\,i2p}\left[m_{\tilde{l}}^{\,i2p},\,m_{1},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,\widetilde{\mu}\right]+c_{1}^{2}\,\mathcal{F}_{2,1,1,1,-1}^{\,i2p}\left[m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,\widetilde{\mu}\right]+c_{1}^{2}\,\mathcal{F}_{2,1,1,1,-1}^{\,i2p}\left[m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,\widetilde{\mu}\right]+c_{1}^{2}\,\mathcal{F}_{2,1,1,1,-1}^{\,i2p}\left[m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,\widetilde{\mu}\right]+c_{1}^{2}\,\mathcal{F}_{2,1,1,1,-1}^{\,i2p}\left[m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,\widetilde{\mu}\right]+c_{1}^{2}\,\mathcal{F}_{2,1,1,1,-1}^{\,i2p}\left[m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,\widetilde{\mu}\right]+c_{1}^{2}\,\mathcal{F}_{2,1,1,1,-1}^{\,i2p}\left[m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,\widetilde{\mu}\right]+c_{1}^{2}\,\mathcal{F}_{2,1,1,1,-1}^{\,i2p}\left[m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,\widetilde{\mu}\right]+c_{1}^{2}\,\mathcal{F}_{2,1}^{\,i2p}\left[m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,\widetilde{\mu}\right]+c_{1}^{2}\,\mathcal{F}_{2,1}^{\,i2p}\left[m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,\widetilde{\mu}\right]+c_{1}^{2}\,\mathcal{F}_{2,1}^{\,i2p}\left[m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2p},\,m_{1}^{\,i2
                                                                                                                                                                                                           \mathsf{g_2}^2 \, \overline{\mathsf{y_e}}^{\mathsf{i2p}} \, \left( \mathsf{m_2} \, \mathsf{c_{\scriptscriptstyle Y}} + \mathsf{s_{\scriptscriptstyle Y}} \, \widetilde{\mu} \right) \, \left( \mathsf{c_{\scriptscriptstyle Y}} \, \mathsf{a_e}^{\mathsf{i1p}} - \mathsf{s_{\scriptscriptstyle Y}} \, \widetilde{\mu} \, \mathsf{y_e}^{\mathsf{i1p}} \right) \, \mathsf{LF_{2,1,1,1,-1}} \big[ \, \mathsf{m_{\scriptscriptstyle \tilde{l}}}^{\mathsf{i1}} \, , \, \mathsf{m_2} \, , \, \mathsf{m_{\scriptscriptstyle \tilde{e}}}^{\mathsf{p}} \, , \, \widetilde{\mu} \, \big] \, + \, \mathsf{h_{\scriptscriptstyle \tilde{l}}}^{\mathsf{p}} \, , \,
                                                                                                                                                                                                           \mathsf{g_1}^2 \; \mathsf{y_e}^{\mathsf{ilp}} \; \left(\mathsf{m_1} \; \mathsf{c_{\gamma}} + \mathsf{s_{\gamma}} \; \widetilde{\boldsymbol{\mu}}\right) \; \left(\mathsf{c_{\gamma}} \; \overline{\mathsf{a_e}}^{\mathsf{i}2p} - \mathsf{s_{\gamma}} \; \widetilde{\boldsymbol{\mu}} \; \overline{\mathsf{y_e}}^{\mathsf{i}2p}\right) \; \mathsf{LF_{2,1,1,1,-1}} \left[ \, \mathsf{m_{\tilde{l}}}^{\, \mathsf{i}2} \, \mathsf{,} \; \mathsf{m_1} \, \mathsf{,} \; \mathsf{m_{\tilde{e}}}^{\, \mathsf{p}} \, \mathsf{,} \; \widetilde{\boldsymbol{\mu}} \, \right] \; + \; \mathsf{m_{\tilde{e}}}^{\, \mathsf{p}} \; \mathsf{,} \; \widetilde{\boldsymbol{\mu}} \, \mathsf{,} \; \mathsf{m_{\tilde{e}}}^{\, \mathsf{p}} \, \mathsf{,} \; \widetilde{\boldsymbol{\mu}} \, \mathsf{,} \; \mathsf{m_{\tilde{e}}}^{\, \mathsf{p}} \, \mathsf{,} \; \widetilde{\boldsymbol{\mu}} \, \mathsf{,} \; \mathsf{m_{\tilde{e}}}^{\, \mathsf{p}} \, \mathsf{,} \; \widetilde{\boldsymbol{\mu}} \, \mathsf{,} \; \mathsf{,} \; \mathsf{,} \; \widetilde{\boldsymbol{\mu}} \, \mathsf{,} \; \mathsf{,} \; \mathsf{,} \; \mathsf{,} \; \widetilde{\boldsymbol{\mu}} \, \mathsf{,} \; \mathsf{,} \; \mathsf{,} \; \mathsf{,} \; \widetilde{\boldsymbol{\mu}} \, \mathsf{,} \; \mathsf{,}
                                                                                                                                                                                                                g_{2}^{2} \; y_{e}^{\; i1p} \; \left( m_{2} \; c_{\gamma} + s_{\gamma} \; \widetilde{\mu} \right) \; \left( c_{\gamma} \; \overline{a_{e}}^{\; i2p} - s_{\gamma} \; \widetilde{\mu} \; \overline{y_{e}}^{\; i2p} \right) \; LF_{2,1,1,1,-1} \left[ \, m_{\tilde{l}}^{\; i2} \; , \; m_{2} \; , \; m_{\tilde{e}}^{\; p} \; , \; \widetilde{\mu} \, \right] \; + \; c_{\gamma} \; \widetilde{\mu} \; .
                                                                                                                                                                                            {\rm g_1}^2 \; {\rm g_2}^2 \; \left(- \, {\rm c_{\gamma}}^2 \, + \, {\rm s_{\gamma}}^2\right) \; {\rm LF_{2,1,1,1,-2}} \big[ \, \tilde{\mu} \, , \; {\rm m_1} \, , \; {\rm m_2} \, , \; {\rm m_{\tilde{l}}}^{\dot{1} \dot{2}} \big] \; \delta_{\dot{1}\dot{1}\dot{1}\dot{2}} \, + \, {\rm c_{\gamma}}^2 \, , \; {\rm c_
                                                                                                                                                                                            g_{1}{}^{2}\,\overline{y_{e}}{}^{i2p}\,\left(m_{1}\,c_{\gamma}+s_{\gamma}\,\widetilde{\mu}\right)\,\left(c_{\gamma}\,a_{e}{}^{i1p}-s_{\gamma}\,\widetilde{\mu}\,y_{e}{}^{i1p}\right)\,LF_{2,1,1,1,-1}\big[\widetilde{\mu}\,,\,m_{1}\,,\,m_{\tilde{e}}{}^{p}\,,\,m_{\tilde{l}}{}^{i1}\big]\,-\,c_{\gamma}\,a_{e}{}^{i1}
                                                                                                                                                                                                                g_{1}^{2} y_{e}^{\text{ilp}} \left( \textbf{m}_{1} c_{\gamma} + s_{\gamma} \widetilde{\mu} \right) \left( c_{\gamma} \overline{a_{e}}^{\text{i2p}} - s_{\gamma} \widetilde{\mu} \overline{y_{e}}^{\text{i2p}} \right) LF_{2,1,1,1,-1} \left[ \widetilde{\mu}, \, \textbf{m}_{1}, \, \textbf{m}_{\tilde{e}}^{\, p}, \, \textbf{m}_{\tilde{l}}^{\, i2} \right] - c_{\gamma} \widetilde{\mu} \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] + c_{\gamma} \widetilde{\mu} \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] + c_{\gamma} \widetilde{\mu} \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] + c_{\gamma} \widetilde{\mu} \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] + c_{\gamma} \widetilde{\mu} \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] + c_{\gamma} \widetilde{\mu} \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] + c_{\gamma} \widetilde{\mu} \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] + c_{\gamma} \widetilde{\mu} \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] + c_{\gamma} \widetilde{\mu} \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] + c_{\gamma} \widetilde{\mu} \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] + c_{\gamma} \widetilde{\mu} \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] + c_{\gamma} \widetilde{\mu} \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] + c_{\gamma} \widetilde{\mu} \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] + c_{\gamma} \widetilde{\mu} \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] + c_{\gamma} \widetilde{\mu} \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] \right] + c_{\gamma} \widetilde{\mu} \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] + c_{\gamma} \widetilde{\mu} \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] \right] + c_{\gamma} \widetilde{\mu} \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] \left[ c_{\gamma} \overline{a_{e}}^{\text{i2p}} - c_{\gamma} \widetilde{\mu} \right] \left[ c_{\gamma} \overline{
                                                                                                                                                                                                                g_{2}{}^{2}\;y_{e}{}^{i1p}\;\left(\mathsf{m}_{2}\;c_{\gamma}^{}+\mathsf{s}_{\gamma}\;\widetilde{\mu}\right)\;\left(c_{\gamma}\;\overline{a_{e}}{}^{i2p}^{}-\mathsf{s}_{\gamma}\;\widetilde{\mu}\;\overline{y_{e}}{}^{i2p}\right)\;\mathsf{LF}_{2,1,1,1,-1}^{}\big[\widetilde{\mu}\,,\;\mathsf{m}_{2}^{},\;\mathsf{m}_{\bar{e}}^{}{}^{p}\,,\;\mathsf{m}_{\bar{e}}^{}{}^{i2}\big]\right)
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