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i1_i2_i3_i4_ \rightarrow
C_{\mathsf{ledq}}
                       \frac{1}{m_{\text{o}}^{2}} \; \text{S}_{\text{Y}}^{2} \; \overline{\text{y}_{\text{d}}}^{\text{i4i3}} \; \text{y}_{\text{e}}^{\, \text{i1i2}} \; + \; \text{\'h} \; \left(\frac{1}{72} \; \frac{1}{m_{\text{o}}^{2}} \; \text{S}_{\text{Y}}^{2} \; \left(\overline{\text{y}_{\text{d}}}^{\, \text{i4i3}} \; \left(27 \; \overline{\text{y}_{\text{e}}}^{\text{pr}} \; \text{y}_{\text{e}}^{\, \text{i1r}} \; \left(1 + \text{S}_{\text{Y}}^{\, 2}\right) \; + \; \text{y}_{\text{e}}^{\, \text{i1i2}} \; \left(25 \; g_{1}^{\, 2} \; + \; \text{\rh}_{\text{e}}^{\, 2} \; \right) \; + \; \text{\rhoose} \; \left(\frac{1}{72} \; \frac{1}{m_{\text{o}}^{\, 2}} \; \text{S}_{\text{Y}}^{\, 2} \; \left(\overline{\text{y}_{\text{d}}}^{\, \text{i4i3}} \; \left(27 \; \overline{\text{y}_{\text{e}}}^{\, \text{pr}} \; \text{y}_{\text{e}}^{\, \text{i1r}} \; \left(1 + \text{S}_{\text{Y}}^{\, 2}\right) \; + \; \text{\rhoose} \; \right) \; + \; \text{\rhoose} \; \left(25 \; g_{1}^{\, 2} \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}}^{\, \text{pr}} \; \right) \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}}^{\, \text{pr}} \; \right) \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}}^{\, \text{pr}} \; \right) \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}}^{\, \text{pr}} \; \right) \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}}^{\, \text{pr}} \; \right) \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}}^{\, \text{pr}} \; \right) \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}}^{\, \text{pr}} \; \right) \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}}^{\, \text{pr}} \; \right) \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}}^{\, \text{pr}} \; \right) \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}}^{\, \text{pr}} \; \right) \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}^{\, \text{pr}}} \; \right) \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}^{\, \text{pr}}} \; \right) \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}^{\, \text{pr}}} \; \right) \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}^{\, \text{pr}}} \; \right) \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}^{\, \text{pr}}} \; \right) \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}^{\, \text{pr}}} \; \right) \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}^{\, \text{pr}}} \; \right) \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}^{\, \text{pr}}} \; \right) \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}^{\, \text{pr}}} \; \right) \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}^{\, \text{pr}}} \; \right) \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}^{\, \text{pr}}} \; \right) \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}^{\, \text{pr}}} \; \right) \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}^{\, \text{pr}}} \; \right) \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}^{\, \text{pr}}} \; \right) \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}^{\, \text{pr}}} \; \right) \; + \; \text{\rhoose} \; \left(27 \; \overline{\text{y}_{\text{e}}^{\, \text{pr}}} \; \right) \; + \; \text{\rhoose}
                                                                                                                                                                                                                                                                                                                                       27\;{g_{2}}^{2}\;+\;48\;{g_{3}}^{2}\;-\;36\;{c_{\gamma}}^{2}\;\left(3\;\overline{y_{d}}^{pr}\;{y_{d}}^{pr}\;+\;\overline{y_{e}}^{pr}\;{y_{e}}^{pr}\right)\;\right)\;+
                                                                                                                                                                                         9\; y_e^{\text{ili2}} \; \left(3\; \overline{y_d}^{\text{ri3}} \; \overline{y_d}^{\text{i4p}} \; y_d^{\text{rp}} \; \left(1+s_{_{Y}}^{\; 2}\right) \; - \; \overline{y_d}^{\text{pi3}} \; \overline{y_u}^{\text{i4r}} \; y_u^{\text{pr}} \; \left(-1+c_{_{Y}}^{\; 2}\right) \right) \right) \; + \; \left(-1+c_{_{Y}}^{\; 2}\right) \; + \; \left(-1+c_{_{Y
                                                                                                                      \frac{1}{2} \sum_{p} s_{\gamma} g_{1}^{2} \frac{1}{m_{0}^{4}} \overline{y_{d}}^{i4i3} y_{e}^{i1i2} (2 s_{2\gamma} c_{\gamma} + s_{\gamma} c_{2\gamma}) LF_{1,0} [m_{d}^{-p}] +
                                                                                                                   3 \, s_{\gamma} \, \frac{1}{m_{0}{}^{4}} \, \overline{y_{d}}^{pr} \, \overline{y_{d}}^{i4i3} \, y_{d}^{pr} \, y_{e}^{i1i2} \, \left( - \, s_{2 \, \gamma} \, c_{\gamma} + s_{\gamma}{}^{3} \right) \, LF_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,0} \left[ \, m_{\bar{d}}^{-r} \, \right] \, + \, c_{1,
                                                                                                                         s_{\gamma} \, \frac{1}{m_{0}^{\, 4}} \, \overline{y_{d}}^{i4i3} \, y_{e}^{i1i2} \, \left( 2 \, \overline{y_{e}}^{pr} \, y_{e}^{pr} \, \left( - \, s_{2 \, \gamma} \, c_{\gamma} \, + \, s_{\gamma}^{\, 3} \right) \, - \\ \sum_{p} g_{1}^{\, 2} \, \left( 2 \, s_{2 \, \gamma} \, c_{\gamma} \, + \, s_{\gamma} \, c_{2 \, \gamma} \right) \, \right) \, LF_{1,0} \left[ \, m_{\tilde{l}}^{\, p} \, \right] \, + \, \left( - \, s_{2 \, \gamma} \, c_{\gamma} \, + \, s_{\gamma}^{\, 3} \, c_{\gamma} \, + \, s_{\gamma}^{\, 3} \, c_{\gamma} \, + \, s_{\gamma}^{\, 3} \, c_{\gamma}^{\, 2} \, c_{\gamma}^{\, 3} \, c_{\gamma}
                                                                                                                         \frac{1}{2} s_{\gamma} \frac{1}{m_{\text{D}}^4} \overline{y_{\text{d}}}^{\text{i4i3}} y_{\text{e}}^{\text{i1i2}}
                                                                                                                                              \left(6\;\overline{y_{d}}^{pr}\;y_{d}^{pr}\;\left(-\,s_{2\,\gamma}\;c_{\gamma}^{}+\,s_{\gamma}^{\;3}\right)\right.\\ \left.+\,6\;c_{\gamma}^{}\;\overline{y_{u}}^{pr}\;y_{u}^{\;pr}\;\left(\,s_{2\,\gamma}^{}+\,s_{\gamma}^{}\;c_{\gamma}^{}\right)\right.\\ \left.+\,\sum_{p}^{}g_{1}^{\;2}\;\left(\,2\;s_{2\,\gamma}^{}\;c_{\gamma}^{}+\,s_{\gamma}^{}\;c_{2\,\gamma}^{}\right)\right)
                                                                                                                                        \text{LF}_{\text{1,0}}\left[\,m_{\tilde{q}}^{\,\,p}\,\right] \,\,-\,\, \sum_{p}\,s_{\scriptscriptstyle Y}\,g_{1}^{\,\,2}\,\,\frac{1}{m_{\scriptscriptstyle 0}^{\,\,4}}\,\,\overline{y_{d}}^{\,\,14i3}\,\,y_{e}^{\,\,i1i2}\,\,\left(2\,\,s_{2\,\scriptscriptstyle Y}\,\,c_{\scriptscriptstyle Y}\,+\,s_{\scriptscriptstyle Y}\,\,c_{2\,\scriptscriptstyle Y}\right)\,\,\text{LF}_{\text{1,0}}\left[\,m_{\tilde{u}}^{\,\,p}\,\right] \,\,+\,\, \left[\,m_{\tilde{u}}^{\,\,p}\,\right] \,\,+\,\, \left[\,m_{\tilde{u}}^{\,\,p}\,\right] \,\,\left[\,m_{\tilde{u}}^{\,\,p}\,\right] \,\,+\,\, \left[\,m_{\tilde{u}}^{\,\,p}\,\right] \,\,+\,\,
                                                                                                                 3\; s_{\gamma}\; c_{\gamma}\; \frac{1}{{m_{_{0}}}^{4}}\; \overline{y_{d}}^{i4i3}\; y_{e}^{i1i2}\; \overline{y_{u}}^{pr}\; y_{u}^{pr}\; (s_{2\;\gamma}+s_{\gamma}\; c_{\gamma})\; LF_{1,0}\left[m_{\bar{u}}^{\;r}\right] \\ +\frac{1}{4}\; s_{\gamma}\; \frac{1}{{m_{_{0}}}^{4}}\; \overline{y_{d}}^{i4i3}\; y_{e}^{i1i2}\; y_{e}
                                                                                                                                              \left(3\;{s_4}_{\gamma}\;{c_{\gamma}}\;\left({g_1}^2+{g_2}^2\right)\;+\;{s_{\gamma}}\;\left({g_1}^2\;\left(-\,1\;+\;3\;{c_2}_{\gamma}^{\;2}\right)\;+\;3\;{g_2}^2\;\left(-\,1\;+\;{c_2}_{\gamma}^{\;2}\right)\right)\right)\;LF_{1,0}\left[\,m_{_{\!\!D}}\,\right]\;+\;3\,{g_2}^2\left(-\,1\;+\;{c_2}_{\gamma}^{\;2}\right)\right)
                                                                                                                                                                        \frac{1}{n^2} s_{\gamma}^2 \left( \overline{y_d}^{i4i3} \left( -3 s_{\gamma}^2 \overline{y_e}^{pr} y_e^{pi2} y_e^{i1r} + 2 y_e^{i1i2} \left( g_1^2 + 3 g_2^2 \right) \right) +
                                                                                                                                                                                         3\; y_e^{\;i1i2}\; \left(-\, s_\gamma^{\;2}\, \overline{y_d}^{ri3}\, \overline{y_d}^{i4p}\; y_d^{\;rp}\, +\, c_\gamma^{\;2}\, \overline{y_d}^{pi3}\, \overline{y_u}^{i4r}\; y_u^{\;pr}\right) \right)\; LF_{1,1}[\, m_{\scriptscriptstyle{\smash{\,\overline{\!\!\!\!\!D}}\,}}]\; -\, c_\gamma^{\;2}\, \overline{y_d}^{pi3}\, \overline{y_u}^{i4r}\; y_u^{\;pr}\right) +\, c_\gamma^{\;2}\, \overline{y_d}^{pi3}\, \overline{y_u}^{i4r}\; y_u^{\;pr}\right) +\, c_\gamma^{\;2}\, \overline{y_d}^{pi3}\, \overline{y_u}^{i4r}\; y_u^{\;pr}\right) +\, c_\gamma^{\;2}\, \overline{y_d}^{pi3}\, \overline{y_u}^{i4r}\; y_u^{\;pr}
                                                                                                                      \frac{1}{9} \ g_1^2 \ \frac{1}{m_{\text{o}}^2} \ s_{\text{y}}^2 \ \overline{y_d}^{\text{i4i3}} \ y_e^{\text{i1i2}} \ \mathsf{LF}_{\text{1,1,0}} \left[ m_{\text{1}}, \ m_{\tilde{d}}^{\text{i3}} \right] \ + \\ \frac{1}{18} \ g_1^2 \ \frac{1}{m_{\text{o}}^2} \ s_{\text{y}}^2 \ \overline{y_d}^{\text{i4i3}} \ y_e^{\text{i1i2}} \ \mathsf{LF}_{\text{2,1,-1}} \left[ m_{\text{1}}, \ m_{\tilde{d}}^{\text{i3}} \right] \ - \\ \frac{1}{18} \ g_1^2 \ \frac{1}{m_{\text{o}}^2} \ s_{\text{y}}^2 \ \overline{y_d}^{\text{i4i3}} \ y_e^{\text{i1i2}} \ \mathsf{LF}_{\text{2,1,-1}} \left[ m_{\text{1}}, \ m_{\tilde{d}}^{\text{i3}} \right] \ - \\ \frac{1}{18} \ g_1^2 \ \frac{1}{m_{\text{o}}^2} \ s_{\text{y}}^2 \ \overline{y_d}^{\text{i4i3}} \ y_e^{\text{i1i2}} \ \mathsf{LF}_{\text{2,1,-1}} \left[ m_{\text{1}}, \ m_{\tilde{d}}^{\text{i3}} \right] \ - \\ \frac{1}{18} \ g_1^2 \ \frac{1}{m_{\text{o}}^2} \ s_{\text{y}}^2 \ \overline{y_d}^{\text{i4i3}} \ y_e^{\text{i1i2}} \ \mathsf{LF}_{\text{2,1,-1}} \left[ m_{\text{1}}, \ m_{\tilde{d}}^{\text{i3}} \right] \ - \\ \frac{1}{18} \ g_1^2 \ \frac{1}{m_{\text{o}}^2} \ s_{\text{y}}^2 \ \overline{y_d}^{\text{i4i3}} \ y_e^{\text{i1i2}} \ \mathsf{LF}_{\text{2,1,-1}} \left[ m_{\text{1}}, \ m_{\tilde{d}}^{\text{i3}} \right] \ - \\ \frac{1}{18} \ g_1^2 \ \frac{1}{m_{\text{o}}^2} \ s_{\text{y}}^2 \ \overline{y_d}^{\text{i4i3}} \ y_e^{\text{i1i2}} \ \mathsf{LF}_{\text{2,1,-1}} \left[ m_{\text{1}}, \ m_{\tilde{d}}^{\text{i3}} \right] \ - \\ \frac{1}{18} \ g_1^2 \ m_{\tilde{d}}^2 \ s_{\text{i1i}}^2 \ s_{\text{i1i}}^2 \ s_{\text{i1i}}^2 \ \mathsf{LF}_{\text{2,1,-1}} \left[ m_{\text{1}}, \ m_{\tilde{d}}^{\text{i1i}} \right] \ + \\ \frac{1}{18} \ g_1^2 \ m_{\tilde{d}}^2 \ s_{\text{i1i}}^2 \ s_{\text{i1i}}^2 \ s_{\text{i1i}}^2 \ \mathsf{LF}_{\text{2,1,-1}} \left[ m_{\tilde{d}}, \ m_{\tilde{d}}^{\text{i1i}} \right] \ + \\ \frac{1}{18} \ g_1^2 \ m_{\tilde{d}}^2 \ s_{\text{i1i}}^2 \ s_{\text{i1i}}^2 \ s_{\text{i1i}}^2 \ \mathsf{LF}_{\text{2,1,-1}} \left[ m_{\tilde{d}}, \ m_{\tilde{d}}^{\text{i1i}} \right] \ + \\ \frac{1}{18} \ g_1^2 \ m_{\tilde{d}}^2 \ s_{\text{i1i}}^2 \ s_{\text{i1i}}^2 \ s_{\text{i1i}}^2 \ \mathsf{LF}_{\text{2,1,-1}} \left[ m_{\tilde{d}}, \ m_{\tilde{d}}^{\text{i1i}} \right] \ + \\ \frac{1}{18} \ g_1^2 \ m_{\tilde{d}}^2 \ s_{\tilde{d}}^2 \ s_{\tilde{d}}^
                                                                                                                                                                                         \frac{1}{m_{\text{e}}^{2}}\,\mathsf{s}_{\text{y}}^{2}\,\overline{\mathsf{y}_{\text{d}}^{\,\text{i4i3}}}\,\mathsf{y}_{\text{e}}^{\,\text{i1i2}}\,\mathsf{LF}_{1,1,0}\!\left[\mathsf{m}_{1}\,,\,\mathsf{m}_{\tilde{\text{e}}}^{\,\,\text{i2}}\right]\,+\,\frac{1}{2}\,\mathsf{g}_{1}^{2}\,\frac{1}{m_{\text{e}}^{2}}\,\mathsf{s}_{\text{y}}^{2}\,\overline{\mathsf{y}_{\text{d}}^{\,\text{i4i3}}}\,\mathsf{y}_{\text{e}}^{\,\,\text{i1i2}}\,\mathsf{LF}_{2,1,-1}\!\left[\mathsf{m}_{1}\,,\,\mathsf{m}_{\tilde{\text{e}}}^{\,\,\text{i2}}\right]\,-\,\frac{1}{2}\,\mathsf{m}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}_{1}^{2}\,\mathsf{g}
                                                                                                                         \frac{1}{4} \; g_{1}^{2} \; \frac{1}{m_{\text{o}}^{2}} \; s_{\gamma}^{2} \; \overline{y_{d}}^{\text{i4i3}} \; y_{\text{e}}^{\text{i1i2}} \; \mathsf{LF}_{\text{1,1,0}} \left[ \, \mathsf{m}_{\text{1}} \, , \; \mathsf{m}_{\tilde{\text{l}}}^{\text{i1}} \, \right] \; + \; \frac{1}{8} \; g_{1}^{2} \; \frac{1}{m_{\text{o}}^{2}} \; s_{\gamma}^{2} \; \overline{y_{d}}^{\text{i4i3}} \; y_{\text{e}}^{\text{i1i2}} \; \mathsf{LF}_{\text{2,1,-1}} \left[ \, \mathsf{m}_{\text{1}} \, , \; \mathsf{m}_{\tilde{\text{l}}}^{\text{i1}} \, \right] \; - \; \frac{1}{8} \; g_{1}^{2} \; \frac{1}{m_{\text{o}}^{2}} \; s_{\gamma}^{2} \; \overline{y_{d}}^{\text{i4i3}} \; y_{\text{e}}^{\text{i1i2}} \; \mathsf{LF}_{\text{2,1,-1}} \left[ \, \mathsf{m}_{\text{1}} \, , \; \mathsf{m}_{\tilde{\text{l}}}^{\text{i1}} \, \right] \; - \; \frac{1}{8} \; g_{1}^{2} \; \frac{1}{m_{\text{o}}^{2}} \; s_{\gamma}^{2} \; \overline{y_{d}}^{\text{i4i3}} \; y_{\text{e}}^{\text{i1i2}} \; \mathsf{LF}_{\text{2,1,-1}} \left[ \, \mathsf{m}_{\text{1}} \, , \; \mathsf{m}_{\tilde{\text{l}}}^{\text{i1}} \, \right] \; - \; \frac{1}{8} \; g_{1}^{2} \; \frac{1}{m_{\text{o}}^{2}} \; s_{\gamma}^{2} \; \overline{y_{d}}^{\text{i4i3}} \; y_{\text{e}}^{\text{i1i2}} \; \mathsf{LF}_{\text{2,1,-1}} \left[ \, \mathsf{m}_{\text{1}} \, , \; \mathsf{m}_{\tilde{\text{l}}}^{\text{i1}} \, \right] \; - \; \frac{1}{8} \; s_{\gamma}^{2} \; \overline{y_{d}}^{\text{i4i3}} \; y_{\text{e}}^{\text{i1i2}} \; \mathsf{LF}_{\text{2,1,-1}} \left[ \, \mathsf{m}_{\text{1}} \, , \; \mathsf{m}_{\tilde{\text{l}}}^{\text{i1i}} \, \right] \; - \; \frac{1}{8} \; s_{\gamma}^{2} \; \overline{y_{d}}^{\text{i4i3}} \; y_{\text{e}}^{\text{i1i2}} \; \mathsf{LF}_{\text{2,1,-1}} \left[ \, \mathsf{m}_{\text{1}} \, , \; \mathsf{m}_{\tilde{\text{l}}}^{\text{i1i}} \, \right] \; - \; \frac{1}{8} \; s_{\gamma}^{2} \; \overline{y_{d}}^{\text{i4i3}} \; y_{\text{e}}^{\text{i1i2}} \; \mathsf{LF}_{\text{2,1,-1}} \left[ \, \mathsf{m}_{\text{1}} \, , \; \mathsf{m}_{\tilde{\text{1}}}^{\text{i1i}} \, \right] \; - \; \frac{1}{8} \; s_{\gamma}^{2} \; \overline{y_{d}}^{\text{i1i}} \; s_{\gamma}^{2} \; \overline{y_{d}}^{2} \; \overline{y_{d}}^{\text{i1i}} \; s_{\gamma}^{2} \; \overline{y_{d}}^{\text{i1i}} \; s_{\gamma}^{2} \; \overline{y_{d}}^{\text{i1i}} \; s_{\gamma}^{2} \; \overline{y_{d}}^{\text{i1i}} \; s_{\gamma}^{2} \; \overline{y_{d}}^{2} \; \overline{y_{d}}^{2} \; \overline{y_{d}}^{2} \; \overline{y_{d}}^{\text
                                                                                                                         \frac{1}{36} \ g_1^2 \ \frac{1}{m_e^2} \ s_\gamma^2 \ \overline{y_d}^{i4i3} \ y_e^{i1i2} \ LF_{1,1,0} \big[ \ m_1 \, , \ m_{\tilde{q}}^{i4} \big] \ + \\ \frac{1}{72} \ g_1^2 \ \frac{1}{m_e^2} \ s_\gamma^2 \ \overline{y_d}^{i4i3} \ y_e^{i1i2} \ LF_{2,1,-1} \big[ \ m_1 \, , \ m_{\tilde{q}}^{i4} \big] \ - \\ \frac{1}{72} \ m_e^2 \ s_\gamma^2 \ \overline{y_d}^{i4i3} \ y_e^{i1i2} \ LF_{2,1,-1} \big[ \ m_1 \, , \ m_{\tilde{q}}^{i4} \big] \ - \\ \frac{1}{72} \ m_e^2 \ s_\gamma^2 \ \overline{y_d}^{i4i3} \ y_e^{i1i2} \ LF_{2,1,-1} \big[ \ m_1 \, , \ m_{\tilde{q}}^{i4} \big] \ - \\ \frac{1}{72} \ m_e^2 \ s_\gamma^2 \ \overline{y_d}^{i4i3} \ y_e^{i1i2} \ LF_{2,1,-1} \big[ \ m_1 \, , \ m_{\tilde{q}}^{i4} \big] \ - \\ \frac{1}{72} \ m_e^2 \ m_e^
                                                                                                                   g_1^2 \frac{1}{m_e^4} s_{\gamma}^2 \overline{y_d}^{i4i3} y_e^{i1i2} (c_{\gamma}^2 + s_{\gamma}^2) LF_{1,1,-1}[m_1, \tilde{\mu}] -
                                                                                                                   2 m_1 s_{\gamma} \tilde{\mu} c_{\gamma} g_{1}^{2} \frac{1}{m_0^4} \overline{y_d}^{1413} y_e^{1112} (c_{\gamma}^{2} - 2 s_{\gamma}^{2}) LF_{1,1,0}[m_1, \tilde{\mu}] -
                                                                                                                      \frac{3}{4} \; g_2^2 \; \frac{1}{m_\text{e}^2} \; s_\text{g}^2 \; \overline{y_d}^{\text{i4i3}} \; y_e^{\, \text{i1i2}} \; \mathsf{LF}_{1,1,\theta} \left[ \mathsf{m}_2 \,, \; \mathsf{m}_{\tilde{l}}^{\, \text{i1}} \right] \; + \\ \frac{3}{8} \; g_2^2 \; \frac{1}{m_\text{e}^2} \; s_\text{g}^2 \; \overline{y_d}^{\text{i4i3}} \; y_e^{\, \text{i1i2}} \; \mathsf{LF}_{2,1,-1} \left[ \mathsf{m}_2 \,, \; \mathsf{m}_{\tilde{l}}^{\, \text{i1}} \right] \; - \\ \frac{3}{8} \; g_2^2 \; \frac{1}{m_\text{e}^2} \; s_\text{g}^2 \; \overline{y_d}^{\text{i4i3}} \; y_e^{\, \text{i1i2}} \; \mathsf{LF}_{2,1,-1} \left[ \mathsf{m}_2 \,, \; \mathsf{m}_{\tilde{l}}^{\, \text{i1}} \right] \; - \\ \frac{3}{8} \; g_2^2 \; \frac{1}{m_\text{e}^2} \; s_\text{g}^2 \; \overline{y_d}^{\text{i4i3}} \; y_e^{\, \text{i1i2}} \; \mathsf{LF}_{2,1,-1} \left[ \mathsf{m}_2 \,, \; \mathsf{m}_{\tilde{l}}^{\, \text{i1}} \right] \; - \\ \frac{3}{8} \; g_2^2 \; \frac{1}{m_\text{e}^2} \; s_\text{g}^2 \; \overline{y_d}^{\text{i4i3}} \; y_e^{\, \text{i1i2}} \; \mathsf{LF}_{2,1,-1} \left[ \mathsf{m}_2 \,, \; \mathsf{m}_{\tilde{l}}^{\, \text{i1i}} \right] \; - \\ \frac{3}{8} \; g_2^2 \; \frac{1}{m_\text{e}^2} \; s_\text{g}^2 \; \overline{y_d}^{\text{i4i3}} \; y_e^{\, \text{i1i2}} \; \mathsf{LF}_{2,1,-1} \left[ \mathsf{m}_2 \,, \; \mathsf{m}_{\tilde{l}}^{\, \text{i1i}} \right] \; - \\ \frac{3}{8} \; g_2^2 \; \frac{1}{m_\text{e}^2} \; s_\text{g}^2 \; \overline{y_d}^{\text{i4i3}} \; y_e^{\, \text{i1i2}} \; \mathsf{LF}_{2,1,-1} \left[ \mathsf{m}_2 \,, \; \mathsf{m}_{\tilde{l}}^{\, \text{i1i}} \right] \; - \\ \frac{3}{8} \; g_2^2 \; \overline{y_d}^{\, \text{i4i3}} \; y_e^{\, \text{i1i2}} \; \mathsf{LF}_{2,1,-1} \left[ \mathsf{m}_2 \,, \; \mathsf{m}_{\tilde{l}}^{\, \text{i1i}} \right] \; - \\ \frac{3}{8} \; g_2^2 \; \overline{y_d}^{\, \text{i4i3}} \; y_e^{\, \text{i1i2}} \; \mathsf{LF}_{2,1,-1} \left[ \mathsf{m}_2 \,, \; \mathsf{m}_{\tilde{l}}^{\, \text{i1i}} \right] \; - \\ \frac{3}{8} \; g_2^2 \; \overline{y_d}^{\, \text{i4i3}} \; y_e^{\, \text{i1i2}} \; \mathsf{LF}_{2,1,-1} \left[ \mathsf{m}_2 \,, \; \mathsf{m}_{\tilde{l}}^{\, \text{i1i}} \right] \; - \\ \frac{3}{8} \; g_2^2 \; \overline{y_d}^{\, \text{i1ii}} \; \mathsf{LF}_{2,1,-1} \left[ \mathsf{m}_2 \,, \; \mathsf{m}_{\tilde{l}}^{\, \text{i1i}} \right] \; - \\ \frac{3}{8} \; g_2^2 \; \overline{y_d}^{\, \text{i1ii}} \; - \\ \frac{3}{8} \; \overline{y_d}^{\, \text{i1ii}} \; \overline{y_d}^{\, \text{i1ii}} \; - \\ \frac{3}{8} \; \overline{y_d}^{\, \text{
                                                                                                                         \frac{3}{4}\;g_{2}^{2}\;\frac{1}{\mathsf{m_{0}}^{2}}\;\mathsf{S_{\gamma}}^{2}\;\overline{\mathsf{y_{d}}}^{\mathsf{i4i3}}\;\mathsf{y_{e}}^{\mathsf{i1i2}}\;\mathsf{LF_{1,1,0}}\!\left[\mathsf{m_{2}}\;,\;\mathsf{m_{\tilde{q}}}^{\mathsf{i4}}\right]\;+\;\frac{3}{8}\;g_{2}^{2}\;\frac{1}{\mathsf{m_{0}}^{2}}\;\mathsf{S_{\gamma}}^{2}\;\overline{\mathsf{y_{d}}}^{\mathsf{i4i3}}\;\mathsf{y_{e}}^{\mathsf{i1i2}}\;\mathsf{LF_{2,1,-1}}\!\left[\mathsf{m_{2}}\;,\;\mathsf{m_{\tilde{q}}}^{\mathsf{i4}}\right]\;-\;\frac{3}{8}\;g_{2}^{2}\;\frac{1}{\mathsf{m_{0}}^{2}}\;\mathsf{S_{\gamma}}^{2}\;\overline{\mathsf{y_{d}}}^{\mathsf{i4i3}}\;\mathsf{y_{e}}^{\mathsf{i1i2}}\;\mathsf{LF_{2,1,-1}}\!\left[\mathsf{m_{2}}\;,\;\mathsf{m_{\tilde{q}}}^{\mathsf{i4}}\right]\;-\;\frac{3}{8}\;g_{2}^{2}\;\frac{1}{\mathsf{m_{0}}^{2}}\;\mathsf{S_{\gamma}}^{2}\;\overline{\mathsf{y_{d}}}^{\mathsf{i4i3}}\;\mathsf{y_{e}}^{\mathsf{i1i2}}\;\mathsf{LF_{2,1,-1}}\!\left[\mathsf{m_{2}}\;,\;\mathsf{m_{\tilde{q}}}^{\mathsf{i4}}\right]\;-\;\frac{3}{8}\;g_{2}^{2}\;\frac{1}{\mathsf{m_{0}}^{2}}\;\mathsf{S_{\gamma}}^{2}\;\overline{\mathsf{y_{d}}}^{\mathsf{i4i3}}\;\mathsf{y_{e}}^{\mathsf{i1i2}}\;\mathsf{LF_{2,1,-1}}\!\left[\mathsf{m_{2}}\;,\;\mathsf{m_{\tilde{q}}}^{\mathsf{i4}}\right]\;
                                                                                                                 3\;g_{2}^{2}\;\frac{_{_{_{_{_{0}}}}^{4}}}{_{_{_{_{0}}}}^{_{_{4}}}}\;s_{\gamma}^{2}\;\overline{y_{d}}^{i4i3}\;y_{e}^{\;i1i2}\;\left(c_{\gamma}^{\;2}+s_{\gamma}^{\;2}\right)\;\mathsf{LF}_{1,1,_{_{_{_{_{_{1}}}}}}}[\,\mathsf{m}_{2}\,,\,\widetilde{\mu}\,]\;-
                                                                                                                 6\; m_2\; s_\gamma\; \tilde{\mu}\; c_\gamma\; g_2^2\; \frac{1}{m_0^4}\; \overline{y_d}^{\text{i4i3}}\; y_e^{\; \text{i1i2}}\; \left(c_\gamma^2 - 2\; s_\gamma^{\; 2}\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^{\; 2}\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^{\; 2}\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^2 - 2\; s_\gamma^2\right)\; \mathsf{LF}_{1,1,0}\left[\, m_2\, ,\; \tilde{\mu}\, \right]\; - \left(c_\gamma^
                                                                                                                                                                                                                               \frac{1}{m_{\text{o}}^{2}}\,\,\mathsf{S}_{\text{y}}^{2}\,\,\overline{\mathsf{y}_{\text{d}}^{\,\text{i}\,\text{4}\,\text{i}\,\text{3}}}\,\,\mathsf{y}_{\text{e}}^{\,\text{i}\,\text{1}\,\text{i}\,\text{2}}\,\,\mathsf{LF}_{1,1,0}\left[\,\mathsf{m}_{3}\,,\,\,\mathsf{m}_{\text{d}}^{\,\text{-}\,\text{i}\,\text{3}}\,\,\right]\,+\,\frac{2}{3}\,\,\mathsf{g}_{3}^{\,2}\,\,\frac{1}{m_{\text{o}}^{\,2}}\,\,\mathsf{S}_{\text{y}}^{\,2}\,\,\overline{\mathsf{y}_{\text{d}}^{\,\text{i}\,\text{4}\,\text{i}\,\text{3}}}\,\,\mathsf{y}_{\text{e}}^{\,\text{i}\,\text{1}\,\text{i}\,\text{2}}\,\,\mathsf{LF}_{2,1,-1}\!\left[\,\mathsf{m}_{3}\,,\,\,\mathsf{m}_{\text{d}}^{\,\text{i}\,\text{3}}\,\,\right]\,-\,\frac{2}{3}\,\,\mathsf{g}_{3}^{\,2}\,\,\frac{1}{m_{\text{o}}^{\,2}}\,\,\mathsf{s}_{\text{y}}^{\,2}\,\,\overline{\mathsf{y}_{\text{d}}^{\,\text{i}\,\text{4}\,\text{i}\,\text{3}}}\,\,\mathsf{y}_{\text{e}}^{\,\text{i}\,\text{1}\,\text{i}\,\text{2}}\,\,\mathsf{LF}_{2,1,-1}\!\left[\,\mathsf{m}_{3}\,,\,\,\mathsf{m}_{\text{d}}^{\,\text{i}\,\text{3}}\,\,\right]\,-\,\frac{2}{3}\,\,\mathsf{g}_{3}^{\,2}\,\,\frac{1}{m_{\text{o}}^{\,2}}\,\,\mathsf{g}_{3}^{\,2}\,\,\frac{1}{m_{\text{o}}^{\,2}}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^{\,2}\,\,\mathsf{g}_{3}^
                                                                                                                                                                                                                               \frac{1}{m_{\text{o}}^{2}}\,\mathsf{s}_{\text{y}}^{2}\,\overline{\mathsf{y}_{\text{d}}^{\,\text{i4i3}}}\,\mathsf{y}_{\text{e}}^{\,\text{i1i2}}\,\mathsf{LF}_{1,1,0}\!\left[\mathsf{m}_{3}\,,\,\mathsf{m}_{\tilde{\mathsf{q}}}^{\,\,\text{i4}}\right]\,+\,\frac{2}{3}\,\mathsf{g}_{3}^{2}\,\frac{1}{m_{\text{o}}^{2}}\,\mathsf{s}_{\text{y}}^{2}\,\overline{\mathsf{y}_{\text{d}}}^{\,\text{i4i3}}\,\mathsf{y}_{\text{e}}^{\,\,\text{i1i2}}\,\mathsf{LF}_{2,1,-1}\!\left[\mathsf{m}_{3}\,,\,\mathsf{m}_{\tilde{\mathsf{q}}}^{\,\,\text{i4}}\right]\,-\,\frac{1}{3}\,\mathsf{m}_{\tilde{\mathsf{q}}}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_{1}^{\,\,\text{i4i3}}\,\mathsf{g}_
                                                                                                                                              \frac{1}{m_{\text{o}}^{2}} \; \text{S}_{\text{y}}^{2} \; \overline{\text{y}_{\text{d}}}^{\text{ri3}} \; \overline{\text{y}_{\text{d}}}^{\text{i4p}} \; \text{y}_{\text{d}}^{\text{rp}} \; \text{y}_{\text{e}}^{\text{i1i2}} \; \text{LF}_{1,1,0} \left[ \, m_{\text{d}}^{-p} \, , \; \widetilde{\mu} \, \right] \; + \; 3 \; \text{S}_{\text{y}} \; \frac{1}{m_{\text{o}}^{4}} \; \overline{\text{y}_{\text{d}}}^{\text{i4i3}} \; \text{y}_{\text{e}}^{\text{i1i2}} \; \text{LF}_{1,1,0} \left[ \, m_{\text{d}}^{-p} \, , \; \widetilde{\mu} \, \right] \; + \; 3 \; \text{S}_{\text{y}} \; \frac{1}{m_{\text{o}}^{4}} \; \overline{\text{y}_{\text{d}}}^{\text{i4i3}} \; \text{y}_{\text{e}}^{\text{i1i2}} \; \text{LF}_{1,1,0} \left[ \, m_{\text{d}}^{-p} \, , \; \widetilde{\mu}_{\text{d}}^{-p} \, , \; \widetilde{\mu}_{\text{d}}^{-
                                                                                                                                              \left(s_{\gamma}\,\overline{a_{d}}^{pr}\,a_{d}^{pr}\,\left(-2\,{c_{\gamma}}^{2}+{s_{\gamma}}^{2}\right)\right.\\ \left.-\widetilde{\mu}\,\,c_{\gamma}\,\left({c_{\gamma}}^{2}-2\,{s_{\gamma}}^{2}\right)\right.\\ \left.\left(\overline{y_{d}}^{pr}\,a_{d}^{pr}+y_{d}^{pr}\,\overline{a_{d}}^{pr}\right)\right.\\ \left.+3\,{s_{\gamma}}\,\widetilde{\mu}^{2}\,{c_{\gamma}}^{2}\,\overline{y_{d}}^{pr}\,y_{d}^{pr}\right)
                                                                                                                                        \mathsf{LF_{1,1,0}}\!\left[\,{m_{\tilde{d}}}^{r},\,{m_{\tilde{q}}}^{p}\,\right]\,+\,{s_{\gamma}}\,\frac{1}{{m_{\scriptscriptstyle{0}}}^{4}}\,\,\overline{y_{d}}^{i4i3}\,\,{y_{e}}^{i1i2}
                                                                                                                                              \left(s_{\gamma}\,\overline{a_{e}}^{pr}\,\,a_{e}^{\,\,pr}\,\left(-2\,\,{c_{\gamma}}^{2}+{s_{\gamma}}^{2}\right)\,-\widetilde{\mu}\,\,{c_{\gamma}}\,\left({c_{\gamma}}^{2}-2\,\,{s_{\gamma}}^{2}\right)\,\left(\overline{y_{e}}^{pr}\,\,a_{e}^{\,\,pr}+y_{e}^{\,\,pr}\,\,\overline{a_{e}}^{pr}\right)\,+3\,\,s_{\gamma}\,\widetilde{\mu}^{2}\,\,{c_{\gamma}}^{2}\,\,\overline{y_{e}}^{pr}\,y_{e}^{\,\,pr}\right)
                                                                                                                                        \mathsf{LF_{1,1,0}}\!\left[\,\mathsf{m_{\tilde{e}}}^{\,\mathsf{r}}\,,\,\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{p}}\,\right]\,-\,\frac{1}{2}\,\,\frac{1}{\mathsf{m_{o}}^{2}}\,\,\mathsf{S_{\gamma}}^{2}\,\,\overline{\mathsf{y_{d}}}^{\mathsf{i4i3}}\,\,\overline{\mathsf{y_{e}}}^{\mathsf{pr}}\,\mathsf{y_{e}}^{\mathsf{i2i}}\,\,\mathsf{y_{e}}^{\mathsf{i1r}}\,\,\mathsf{LF_{1,1,0}}\!\left[\,\mathsf{m_{\tilde{e}}}^{\,\mathsf{r}}\,,\,\,\widetilde{\mu}\,\right]\,+\,\mathsf{S_{\gamma}}\,\,\mathsf{c_{\gamma}}\,\,\frac{1}{\mathsf{m_{o}}^{2}}\,\,\overline{\mathsf{y_{d}}}^{\mathsf{i4i3}}
                                                                                                                                        y_{e}^{\text{ili2}} \, \left( \widetilde{\mu} \, \overline{y_{e}}^{\text{pr}} \, \left( a_{e}^{\, \text{pr}} \, \left( c_{\gamma}^{\, 2} - s_{\gamma}^{\, 2} \right) \, - 2 \, s_{\gamma} \, \widetilde{\mu} \, c_{\gamma} \, y_{e}^{\, \text{pr}} \right) \, + \, \overline{a_{e}}^{\text{pr}} \, \left( 2 \, s_{\gamma} \, c_{\gamma} \, a_{e}^{\, \text{pr}} \, + \, \widetilde{\mu} \, y_{e}^{\, \text{pr}} \, \left( c_{\gamma}^{\, 2} - s_{\gamma}^{\, 2} \right) \right) \right)
                                                                                                                                           \mathsf{LF_{2,1,0}}\left[\,\mathsf{m_{\tilde{l}}}^{\,\mathsf{p}}\,,\,\,\mathsf{m_{\tilde{e}}}^{\,\mathsf{r}}\,\right]\,+\,\mathsf{s_{\gamma}}\;\mathsf{c_{\gamma}}\;\tfrac{1}{\mathsf{m_{e}}^{\,2}}\;\overline{y_{\mathsf{d}}}^{\mathsf{i4i3}}\;\mathsf{y_{\mathsf{e}}}^{\,\mathsf{i1i2}}\;\left(\widetilde{\mu}\;\overline{y_{\mathsf{e}}}^{\mathsf{pr}}\;\left(\,\mathsf{a_{\mathsf{e}}}^{\mathsf{pr}}\;\left(\,\mathsf{-}\,\mathsf{c_{\gamma}}^{\,2}\,+\,\mathsf{s_{\gamma}}^{\,2}\right)\,+\,2\;\mathsf{s_{\gamma}}\,\widetilde{\mu}\;\mathsf{c_{\gamma}}\;\mathsf{y_{\mathsf{e}}}^{\mathsf{pr}}\right)\,+\,2\;\mathsf{s_{\gamma}}\,\widetilde{\mu}\;\mathsf{c_{\gamma}}\;\mathsf{y_{\mathsf{e}}}^{\,\mathsf{pr}}\right)\,+\,2\;\mathsf{s_{\gamma}}\,\widetilde{\mu}\;\mathsf{c_{\gamma}}\;\mathsf{y_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}}^{\,\mathsf{pr}}\;\mathsf{b_{\mathsf{e}}
                                                                                                                                                                                      \overline{a_e}^{\text{pr}} \left(-2 \text{ s}_{\text{Y}} \text{ c}_{\text{Y}} \text{ a}_e^{\text{pr}} + \widetilde{\mu} \text{ y}_e^{\text{pr}} \left(-\text{c}_{\text{Y}}^{2} + \text{s}_{\text{Y}}^{2}\right)\right)\right) \text{ LF}_{3,1,-1}\big[\text{m}_{\tilde{\textbf{L}}}^{\text{p}}, \text{m}_{\tilde{\textbf{e}}}^{\text{r}}\big] +
                                                                                                                 c_{\text{y}}^{2}\;\overline{y_{\text{d}}}^{\text{i4i3}}\;y_{\text{e}}^{\text{i1i2}}\;\left(c_{\text{y}}\;\overline{a_{\text{e}}}^{\text{pr}}-s_{\text{y}}\;\widetilde{\mu}\;\overline{y_{\text{e}}}^{\text{pr}}\right)\;\left(c_{\text{y}}\;a_{\text{e}}^{\text{pr}}-s_{\text{y}}\;\widetilde{\mu}\;y_{\text{e}}^{\text{pr}}\right)\;\mathsf{LF}_{3,1,0}\left[\,\mathsf{m}_{\tilde{l}}^{\;\;p}\,,\;\mathsf{m}_{\tilde{\underline{e}}}^{\;\;r}\,\right]\;-\,\mathsf{LF}_{3,1,0}\left[\,\mathsf{m}_{\tilde{l}}^{\;\;p}\,,\;\mathsf{m}_{\tilde{\underline{e}}}^{\;\;r}\,\right]\;
                                                                                                                   3\;c_{\gamma}^{\;2}\;\overline{y_{d}}^{\text{i4i3}}\;y_{e}^{\;\text{i1i2}}\;\left(c_{\gamma}\;\overline{a_{e}}^{\text{pr}}-s_{\gamma}\;\widetilde{\mu}\;\overline{y_{e}}^{\text{pr}}\right)\;\left(c_{\gamma}\;a_{e}^{\;\text{pr}}-s_{\gamma}\;\widetilde{\mu}\;y_{e}^{\;\text{pr}}\right)\;\mathsf{LF_{4,1,-1}}\!\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{r}}\right]\;\mathsf{+}\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{r}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{r}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{r}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{r}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{r}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{r}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{r}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{p}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{p}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{p}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{p}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{p}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{p}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{p}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{p}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{p}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{p}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{p}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{p}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{p}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{p}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{p}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{p}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{p}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{p}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{p}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{p}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{p}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{p}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{p}}\right]\;\mathsf{LF_{4,1,-1}}\left[\mathsf{m}_{\tilde{l}}^{\;\text{p}},\;\mathsf{m}_{\tilde{e}}^{\;\text{p
                                                                                                                   2\;c_{\gamma}^{\;2}\;\overline{y_{d}}^{\text{i4i3}}\;y_{e}^{\;\text{i1i2}}\;\left(c_{\gamma}\;\overline{a_{e}}^{\text{pr}}-s_{\gamma}\;\widetilde{\mu}\;\overline{y_{e}}^{\text{pr}}\right)\;\left(c_{\gamma}\;a_{e}^{\;\text{pr}}-s_{\gamma}\;\widetilde{\mu}\;y_{e}^{\;\text{pr}}\right)\;\mathsf{LF}_{5,1,-2}\!\left[\mathsf{m}_{\tilde{l}}^{\;\;p},\;\mathsf{m}_{\tilde{e}}^{\;\;r}\right]\;-\mathsf{m}_{\tilde{e}}^{\;\;r}
                                                                                                                      \frac{1}{m_{\text{o}}^{2}}\,\,\text{S}_{\text{y}}^{2}\,\,\overline{\text{y}_{\text{d}}^{\text{i4i3}}}\,\,\overline{\text{y}_{\text{e}}^{\text{pr}}}\,\,\text{y}_{\text{e}}^{\text{pi2}}\,\,\text{y}_{\text{e}}^{\text{i1r}}\,\,\text{LF}_{\text{1,1,0}}\left[\,\text{m}_{\tilde{l}}^{\text{p}}\,,\,\,\widetilde{\mu}\,\right]\,+\,3\,\,\text{S}_{\text{y}}\,\,\text{c}_{\text{y}}^{\,\,}\,\,\frac{1}{m_{\text{o}}^{2}}\,\,\overline{\text{y}_{\text{d}}^{\text{i4i3}}}\,\,\text{y}_{\text{e}}^{\text{i1i2}}
                                                                                                                                              \left(\widetilde{\mu}\,\overline{y_d}^{pr}\,\left(a_d^{\,pr}\,\left(c_{_{Y}}{}^2-s_{_{Y}}{}^2\right)-2\,s_{_{Y}}\,\widetilde{\mu}\,\,c_{_{Y}}\,y_d^{\,pr}\right)+\overline{a_d}^{pr}\,\left(2\,s_{_{Y}}\,c_{_{Y}}\,a_d^{\,pr}+\widetilde{\mu}\,y_d^{\,pr}\,\left(c_{_{Y}}{}^2-s_{_{Y}}{}^2\right)\right)\right)
                                                                                                                                        LF_{2,1,9}\left[m_{\tilde{q}}^{\ p},\ m_{\tilde{d}}^{\ r}\right] + 3\ s_{\gamma}\ c_{\gamma}\ \frac{1}{m_{s}^{2}}\ \overline{y_{d}}^{14i3}\ y_{e}^{\ i1i2}\ \left(\widetilde{\mu}\ \overline{y_{d}}^{pr}\ \left(a_{d}^{\ pr}\ \left(-c_{\gamma}^{\ 2} + s_{\gamma}^{\ 2}\right) + 2\ s_{\gamma}\ \widetilde{\mu}\ c_{\gamma}\ y_{d}^{pr}\right) + 2\ s_{\gamma}^{2}\right) + 2\ s_{\gamma}^{2}
                                                                                                                                                                                      \overline{a_d}^{pr} \, \left( - 2 \, s_{_{Y}} \, c_{_{Y}} \, a_d^{\, pr} + \widetilde{\mu} \, y_d^{\, pr} \, \left( - c_{_{Y}}{}^2 + s_{_{Y}}{}^2 \right) \right) \right) \, LF_{3,1,-1} \big[ \, m_{\tilde{q}}^{\, \, p} \, , \, m_{\tilde{d}}^{\, \, r} \, \big] \, + \\
                                                                                                                 3\;c_{\gamma}^{\;2}\;\overline{y_{d}}^{i4i3}\;y_{e}^{\;i1i2}\;\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)\;LF_{3,1,0}\left[m_{\tilde{q}}^{\;p},\;m_{\tilde{d}}^{\;r}\right]-c_{\gamma}^{\;2}\left[m_{\tilde{q}}^{\;p},\;m_{\tilde{d}}^{\;pr}\right]
                                                                                                                 9\;c_{\gamma}^{\;2}\;\overline{y_{d}^{\;i4i3}}\;y_{e}^{\;i1i2}\;\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)\;LF_{4,1,-1}\!\left[m_{\tilde{q}}^{\;p},\;m_{\tilde{d}}^{\;r}\right]+6\;c_{\gamma}^{\;2}\;\overline{y_{d}}^{i4i3}
                                                                                                                                        y_{e}^{\text{ili2}} \left( c_{\text{Y}} \ \overline{a_{d}}^{\text{pr}} - s_{\text{Y}} \ \widetilde{\mu} \ \overline{y_{d}}^{\text{pr}} \right) \ \left( c_{\text{Y}} \ a_{d}^{\text{pr}} - s_{\text{Y}} \ \widetilde{\mu} \ y_{d}^{\text{pr}} \right) \ \mathsf{LF_{5,1,-2}} \left[ \, \mathsf{m_{\tilde{q}}}^{\, p} \, , \ \mathsf{m_{\tilde{d}}}^{\, r} \, \right] \ + \ 3 \ s_{\text{Y}} \ \frac{1}{m_{\text{B}}^{\, 4}} \ \overline{y_{d}}^{\, i4i3} \ y_{e}^{\, i1i2} \\ + \ c_{\text{Y}} \ \overline{a_{d}}^{\, i4i3} \ y_{e}^{\, i1i2} + \ c_{\text{Y}} \ \overline{a_{d}}^{\, i4i3} \ y_{e}^{\, i1i2} + \ c_{\text{Y}} \ \overline{a_{d}}^{\, i4i3} \ y_{e}^{\, i1i2} + \ c_{\text{Y}} \ \overline{a_{d}}^{\, i4i3} \ y_{e}^{\, i1i2} + \ c_{\text{Y}} \ \overline{a_{d}}^{\, i4i3} \ y_{e}^{\, i1i2} + \ c_{\text{Y}} \ \overline{a_{d}}^{\, i4i3} \ y_{e}^{\, i1i2} + \ c_{\text{Y}} \ \overline{a_{d}}^{\, i4i3} + \ c_{\text{Y}} \ \overline{a_{d
                                                                                                                                              \left(3\;s_{\gamma}\;c_{\gamma}^{\;2}\;\overline{a_{u}}^{pr}\;a_{u}^{\;pr}\;-\widetilde{\mu}\;c_{\gamma}\;\left(c_{\gamma}^{\;2}\;-2\;s_{\gamma}^{\;2}\right)\;\left(\overline{y_{u}}^{pr}\;a_{u}^{\;pr}\;+y_{u}^{\;pr}\;\overline{a_{u}}^{pr}\right)\;+\;s_{\gamma}\;\widetilde{\mu}^{2}\;\overline{y_{u}}^{pr}\;y_{u}^{\;pr}\;\left(-2\;c_{\gamma}^{\;2}\;+\;s_{\gamma}^{\;2}\right)\right)
                                                                                                                                        \mathsf{LF_{1,1,0}}\!\left[ \mathsf{m_{\bar{q}}}^\mathsf{p}\text{, } \mathsf{m_{\bar{u}}}^\mathsf{r} \right] - \tfrac{1}{\mathsf{m_{s}^2}} \; \mathsf{s_{\gamma}}^2 \; \overline{\mathsf{y_d}}^\mathsf{ri3} \; \overline{\mathsf{y_d}}^\mathsf{i4p} \; \mathsf{y_d}^\mathsf{rp} \; \mathsf{y_e}^\mathsf{i1i2} \; \mathsf{LF_{1,1,0}}\!\left[ \mathsf{m_{\bar{q}}}^\mathsf{r}\text{, } \widetilde{\mu} \right] + 3 \; \mathsf{s_{\gamma}} \; c_{\gamma} \; \tfrac{1}{\mathsf{m_{s}^2}} \; \overline{\mathsf{y_d}}^\mathsf{i4i3} \; \overline{\mathsf{y_d}}^
                                                                                                                                           y_{e}^{\text{ili2}} \left( \widetilde{\mu} \, \overline{y_{u}}^{\text{pr}} \, \left( a_{u}^{\, \, \text{pr}} \, \left( c_{\chi}^{\, \, 2} - s_{\chi}^{\, \, 2} \right) \, + \, 2 \, s_{\chi} \, \widetilde{\mu} \, c_{\chi} \, y_{u}^{\, \, \text{pr}} \right) \, + \, \overline{a_{u}}^{\text{pr}} \, \left( - \, 2 \, s_{\chi} \, c_{\chi} \, a_{u}^{\, \, \text{pr}} \, + \, \widetilde{\mu} \, y_{u}^{\, \, \, \text{pr}} \, \left( c_{\chi}^{\, \, 2} - s_{\chi}^{\, \, 2} \right) \right) \right)
                                                                                                                                         \mathsf{LF_{2,1,0}} \left[ \, m_{\tilde{u}}^{\,\, r} \, , \, \, m_{\tilde{q}}^{\,\, p} \, \right] \, + \, 3 \, \, s_{\gamma} \, \, c_{\gamma} \, \, \frac{1}{m_{\text{m}}^{\,\, 2}} \, \, \overline{y_{\text{d}}}^{\,\, 14i3} \, \, y_{\text{e}}^{\,\, 11i2} \, \, \left( \widetilde{\mu} \, \, \overline{y_{\text{u}}}^{\,\, pr} \, \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \left( \, - \, c_{\gamma}^{\,\, 2} \, + \, s_{\gamma}^{\,\, 2} \, \right) \, - \, 2 \, \, s_{\gamma} \, \, \widetilde{\mu} \, \, c_{\gamma} \, \, y_{\text{u}}^{\,\, pr} \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \left( \, - \, c_{\gamma}^{\,\, 2} \, + \, s_{\gamma}^{\,\, 2} \, \right) \, - \, 2 \, \, s_{\gamma} \, \, \widetilde{\mu} \, \, c_{\gamma} \, \, y_{\text{u}}^{\,\, pr} \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \left( \, - \, c_{\gamma}^{\,\, 2} \, + \, s_{\gamma}^{\,\, 2} \, \right) \, - \, 2 \, \, s_{\gamma} \, \, \widetilde{\mu} \, \, c_{\gamma} \, \, y_{\text{u}}^{\,\, pr} \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \left( \, - \, c_{\gamma}^{\,\, 2} \, + \, s_{\gamma}^{\,\, 2} \, \right) \, - \, 2 \, \, s_{\gamma} \, \, \widetilde{\mu} \, \, c_{\gamma} \, \, y_{\text{u}}^{\,\, pr} \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \left( \, - \, c_{\gamma}^{\,\, 2} \, + \, s_{\gamma}^{\,\, 2} \, \right) \, - \, 2 \, \, s_{\gamma} \, \, \widetilde{\mu} \, \, c_{\gamma} \, \, y_{\text{u}}^{\,\, pr} \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \left( \, - \, c_{\gamma}^{\,\, 2} \, + \, s_{\gamma}^{\,\, 2} \, \right) \, - \, 2 \, \, s_{\gamma} \, \, \widetilde{\mu} \, \, c_{\gamma} \, \, y_{\text{u}}^{\,\, pr} \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \, \right) \, + \, \left( \, a_{\text{u}}^{\,\, pr} \, \, \, \right) \, + \, \left( \,
                                                                                                                                                                                         \overline{a_u}^{\text{pr}} \left( 2 \, s_{\gamma} \, c_{\gamma} \, a_u^{\text{pr}} + \widetilde{\mu} \, y_u^{\text{pr}} \, \left( - \, c_{\gamma}^{\, 2} + s_{\gamma}^{\, 2} \right) \right) \right) \, \text{LF}_{3,1,-1} \big[ \, m_{\tilde{u}}^{\, \, r} \, , \, m_{\tilde{q}}^{\, \, p} \, \big] \, + \, C_{\gamma}^{\, \, 2} + \, C_{\gamma}^{\, \, \, 2} + \, C_{\gamma}^{\, \, \, \, 2} + \, C_{\gamma}^{\, \, \, \, \, \, 2} + \, C_{\gamma}^{\, \, \, \, \, \, 2} + \, C_{\gamma}^{\, \, \, \, \, \, 2} + \, C_{\gamma}^{\, \, \, \, \, \, 2} + \, C_{\gamma}^{\, \, \, \, \, \, 2} + \, C_{\gamma}^{\, \, \, \, \, \, 2} + \, C_{\gamma}^{\, \, \, \, \, \, 2} + \, C_{\gamma}^{\, \, \, \, \, \, 2} + \, C_{\gamma}^{\, \, \, \, \, 2} + \, C_{\gamma}^{\, \, \, \, \, \, 2} + \, C_{\gamma}^{\, \, \, \, \, \, 2} 
                                                                                                                 3\;c_{\gamma}^{\;2}\;\overline{y_{d}^{\;i4i3}}\;y_{e}^{\;i1i2}\;\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_{3,1,0}\left[\,m_{\widetilde{u}}^{\;\;r}\,,\;m_{\widetilde{q}}^{\;\;p}\,\right]\;-\,c_{\gamma}^{\;\;2}\;a_{u}^{\;\;pr}\,+\,\widetilde{\mu}^{\;\;2}\;c_{\gamma}^{\;\;2}\;a_{u}^{\;\;pr}\,+\,\widetilde{\mu}^{\;\;2}\;c_{\gamma}^{\;\;2}\;a_{u}^{\;\;pr}\,+\,\widetilde{\mu}^{\;\;2}\;c_{\gamma}^{\;\;2}\;a_{u}^{\;\;pr}\,
                                                                                                              9\;c_{\gamma}^{\;2}\;\overline{y_{d}^{\;1413}}\;y_{e}^{\;1112}\;\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}}\!\left[\,\mathsf{m_{\tilde{u}}}^{\;r}\,,\;\mathsf{m_{\tilde{q}}}^{\,p}\,\right]\;+\,\widetilde{\mu}^{\;p}\left(-\,s_{\gamma}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\right)\;\mathsf{LF_{4,1,-1}}\!\left[\,\mathsf{m_{\tilde{u}}}^{\;r}\,,\;\mathsf{m_{\tilde{q}}}^{\,p}\,\right]\;+\,\widetilde{\mu}^{\;p}\left(-\,s_{\gamma}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;p}\,a_{u}^{\;pr}\,+\,
                                                                                                              6\;c_{\gamma}^{\;2}\;\overline{y_{d}^{\;1413}}\;y_{e}^{\;1112}\;\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}_{5,1,-2}\!\left[\,\mathsf{m}_{\tilde{u}}^{\;\;r}\,,\;\mathsf{m}_{\tilde{q}}^{\;\tilde{p}}\,\right]\;-\,(\,\sigma_{\gamma}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2}\,a_{u}^{\;pr}\,+\,\widetilde{\mu}^{\;2
                                                                                                                      rac{1}{2} \; rac{1}{m_{\mathrm{o}}^2} \; \mathrm{S_{\gamma}}^2 \; \overline{\mathrm{y_d}}^{\mathrm{pi3}} \; \mathrm{y_e}^{\mathrm{i1i2}} \; \overline{\mathrm{y_u}}^{\mathrm{i4r}} \; \mathrm{y_u}^{\mathrm{pr}} \; \mathrm{LF_{1,1,0}} \left[ \, \mathrm{m_{\tilde{\mathrm{u}}}}^{\, \mathrm{r}} \, , \; \widetilde{\mu} \, \right] \; + \; \mathrm{T_{\mathrm{o}}}^{\, \mathrm{r}} \; \mathrm{T_{\mathrm{o}}}^{
                                                                                                              2~\text{m}_1~\text{s}_{\scriptscriptstyle Y}~\widetilde{\mu}~\text{c}_{\scriptscriptstyle Y}~\text{g}_{\text{1}}^2~\frac{\text{1}}{\text{m}_{\scriptscriptstyle 0}^2}~\overline{\text{y}_{\text{d}}}^{\text{14i3}}~\text{y}_{\text{e}}^{\text{11i2}}~\left(\text{c}_{\scriptscriptstyle Y}^{~2}-\text{s}_{\scriptscriptstyle Y}^{~2}\right)~\text{LF}_{\text{2,1,0}}\left[\widetilde{\mu}\text{, m}_{\text{1}}\right]~-
                                                                                                                 2\;c_{\gamma}\;g_{1}^{2}\;\frac{1}{m_{_{0}}{}^{2}}\;\overline{y_{d}}^{14i3}\;y_{e}^{\,i\,1i\,2}\;\left(c_{\gamma}\;m_{_{\overline{\Phi}}}^{2}\;\left(c_{\gamma}^{\,\,2}+s_{\gamma}^{\,\,2}\right)\;+\;m_{1}\;s_{\gamma}\;\widetilde{\mu}\;\left(c_{\gamma}^{\,\,2}-s_{\gamma}^{\,\,2}\right)\right)\;LF_{3,1,_{-1}}\left[\,\widetilde{\mu}\,,\;m_{1}\,\right]\;-\;2\,c_{\gamma}\;g_{1}^{2}\;m_{_{0}}^{2}\;\left(c_{\gamma}^{\,\,2}+s_{\gamma}^{\,\,2}\right)\;+\;m_{1}\;s_{\gamma}\;\widetilde{\mu}\;\left(c_{\gamma}^{\,\,2}-s_{\gamma}^{\,\,2}\right)\right)\;LF_{3,1,_{-1}}\left[\,\widetilde{\mu}\,,\;m_{1}\,\right]\;-\;2\,c_{\gamma}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{0}}^{2}\;m_{_{
                                                                                                                 2 \, \mathsf{m_1} \, \mathsf{s_{\scriptscriptstyle Y}} \, \widetilde{\mu} \, \mathsf{g_1}^2 \, \mathsf{c_{\scriptscriptstyle Y}}^3 \, \overline{\mathsf{y_d}}^{\mathsf{i4i3}} \, \mathsf{y_e}^{\mathsf{i1i2}} \, \mathsf{LF_{3,1,0}} \, [\widetilde{\mu}, \, \mathsf{m_1}] \, + \,
                                                                                                                 4 g_1^2 c_{\gamma}^2 \overline{y_d}^{i4i3} y_e^{i1i2} \left(c_{\gamma}^2+s_{\gamma}^2\right) LF_{4,1,-2}\left[\widetilde{\mu},\;\mathsf{m}_1\right] +
                                                                                                                 6 m_1 s_{\gamma} \widetilde{\mu} g_1^2 c_{\gamma}^3 \overline{y_d}^{i4i3} y_e^{i1i2} LF_{4,1,-1}[\widetilde{\mu}, m_1] -
                                                                                                                 2\;g_{1}^{\;2}\;c_{\gamma}^{\;2}\;\overline{y_{d}}^{i4i3}\;y_{e}^{\;i1i2}\;\left(c_{\gamma}^{\;2}+s_{\gamma}^{\;2}\right)\;\mathsf{LF}_{5,1,-3}\left[\,\widetilde{\mu}\,,\;\mathsf{m}_{1}\,\right]\;-
                                                                                                                 4 m_1 s_{\gamma} \tilde{\mu} g_1^2 c_{\gamma}^3 \overline{y_d}^{i4i3} y_e^{i1i2} LF_{5,1,-2} [\tilde{\mu}, m_1] +
                                                                                                                 6\; m_2\; s_\gamma\; \widetilde{\mu}\; c_\gamma\; g_2^2\; \frac{1}{m_\text{g}^2}\; \overline{y_\text{d}}^{\text{i4i3}}\; y_\text{e}^{\text{i1i2}}\; \left(c_\gamma^2-s_\gamma^2\right)\; \mathsf{LF}_{2,1,0}\left[\widetilde{\mu}\; ,\; m_2\right]\; -
                                                                                                                 6\;c_{\gamma}\;g_{2}^{2}\;\frac{1}{m_{\varpi}^{2}}\;\overline{y_{d}}^{i4i3}\;y_{e}^{i1i2}\;\left(c_{\gamma}\;m_{\bar{\varpi}}^{2}\;\left(c_{\gamma}^{2}+s_{\gamma}^{2}\right)+m_{2}\;s_{\gamma}\;\widetilde{\mu}\;\left(c_{\gamma}^{2}-s_{\gamma}^{2}\right)\right)\;LF_{3,1,-1}\left[\,\widetilde{\mu}\,,\;m_{2}\,\right]\;-1
                                                                                                                 6 m<sub>2</sub> s<sub>\gamma</sub> \widetilde{\mu} g<sub>2</sub><sup>2</sup> c<sub>\gamma</sub><sup>3</sup> \overline{y_d}<sup>i4i3</sup> y<sub>e</sub><sup>i1i2</sup> LF<sub>3,1,0</sub> [\widetilde{\mu}, m<sub>2</sub>] +
                                                                                                                 12 g_2^2 c_{\gamma}^2 \overline{y_d}^{i4i3} y_e^{i1i2} (c_{\gamma}^2 + s_{\gamma}^2) LF_{4,1,-2}[\tilde{\mu}, m_2] +
                                                                                                                 18 m<sub>2</sub> s<sub>\gamma</sub> \tilde{\mu} g<sub>2</sub><sup>2</sup> c<sub>\gamma</sub><sup>3</sup> \overline{y_d}^{i4i3} y<sub>e</sub><sup>i1i2</sup> LF<sub>4,1,-1</sub> [\tilde{\mu}, m<sub>2</sub>] -
                                                                                                                 6 g_2^2 \, c_{\gamma}^{\ 2} \, \overline{y_d}^{i4i3} \, y_e^{i1i2} \, \left( c_{\gamma}^{\ 2} + s_{\gamma}^{\ 2} \right) \, \mathsf{LF}_{5,1,-3} \left[ \, \widetilde{\mu} \, , \, \mathsf{m}_2 \, \right] -
                                                                                                                 12 m<sub>2</sub> s<sub>\gamma</sub> \tilde{\mu} g<sub>2</sub><sup>2</sup> c<sub>\gamma</sub><sup>3</sup> \overline{y_d}^{i4i3} y<sub>e</sub> ^{i1i2} LF<sub>5,1,-2</sub> [\tilde{\mu}, m<sub>2</sub>] +
                                                                                                                                                         \frac{1}{{{{\mathbf{m}}_{\mathbf{u}}}^{2}}} \, {{\mathbf{S}_{\mathbf{Y}}}^{2}} \, \overline{{\mathbf{y}_{\mathbf{d}}}^{\mathsf{ri3}}} \, \overline{{\mathbf{y}_{\mathbf{d}}}^{\mathsf{i4p}}} \, {{\mathbf{y}_{\mathbf{d}}}^{\mathsf{rp}}} \, {{\mathbf{y}_{\mathbf{e}}}^{\mathsf{i1i2}}} \, {\mathsf{LF}_{2,1,-1}} \big[ \widetilde{\mu} \, , \, \, {{\mathbf{m}}_{\mathbf{d}}^{\mathsf{p}}} \big] \, + \, {{\mathbf{v}}_{\mathbf{d}}^{\mathsf{p}}} \, {{\mathbf{y}_{\mathbf{d}}}^{\mathsf{p}}} \, {{\mathbf{y}_{\mathbf{d}}}^{\mathsf{p}}}} \, {{\mathbf{y}_{\mathbf{d}}}^{\mathsf{p}}} \, {{\mathbf{y}_{\mathbf{d}}}^{\mathsf{p}}}} \, {{\mathbf{y}_{\mathbf{d}}}^{\mathsf{p}}} \, {{\mathbf{y}_{\mathbf{d}}}^
                                                                                                                                              \frac{1}{{\rm m_e}^2}\,{\rm S_{\rm Y}}^2\,\overline{{\rm y_d}}^{\rm i4i3}\,\overline{{\rm y_e}}^{\rm pr}\,{\rm y_e}^{\rm pi2}\,{\rm y_e}^{\rm i1r}\,{\rm LF_{2,1,-1}}\big[\,\widetilde{\mu}\,,\,{\rm m_{\tilde{\rm e}}}^{\rm r}\,\big]\,+
                                                                                                                                                         \frac{1}{m_{\text{D}}^2} \, \mathrm{S_{\chi}}^2 \, \overline{\mathrm{y_d}}^{\mathrm{i4i3}} \, \overline{\mathrm{y_e}}^{\mathrm{pr}} \, \mathrm{y_e}^{\mathrm{pi2}} \, \mathrm{y_e}^{\mathrm{i1r}} \, \mathrm{LF}_{2,1,-1} \big[ \widetilde{\mu}, \, \mathrm{m_{\widetilde{l}}}^{\mathrm{p}} \big] + 
                                                                                                                                                         \frac{1}{4} \; \frac{1}{{\rm m_o}^2} \; {\rm S_{\rm Y}}^2 \; \overline{{\rm y_d}}^{\rm pi3} \; {\rm y_e}^{\rm ili2} \; \overline{{\rm y_u}}^{\rm i4r} \; {\rm y_u}^{\rm pr} \; {\rm LF_{2,1,-1}} \left[ \widetilde{\mu} \; , \; {\rm m_{\tilde{u}}}^{\rm r} \right] \; - \;
                                                                                                                         rac{1}{3}~{\rm g_1}^2~rac{1}{{\rm m_s}^2}~{\rm s_\gamma}^2~\overline{{
m y_d}}^{\rm i4i3}~{
m y_e}^{\rm i1i2}~{
m LF_{1,1,1,-1}} \big[{
m m_1},~{
m m_{\bar d}}^{\rm i3},~\widetilde{\mu}\big] -
                                                                                                                                           \mathsf{m_1} \; \mathsf{s_{\gamma}} \; \widetilde{\mu} \; \mathsf{c_{\gamma}} \; \mathsf{g_1}^2 \; \tfrac{1}{\mathsf{m_e}^2} \; \overline{\mathsf{y_d}}^{\mathsf{i4i3}} \; \mathsf{y_e}^{\mathsf{i1i2}} \; \mathsf{LF_{1,1,1,0}} \left[ \mathsf{m_1} \text{, } \mathsf{m_{\bar{d}}}^{\mathsf{i3}} \text{, } \widetilde{\mu} \right] \; + \\
                                                                                                              \mathsf{m_1} \; \mathsf{s_{\gamma}} \; \mathsf{g_1}^2 \; \tfrac{1}{\mathsf{m_o}^2} \; \overline{\mathsf{y_d}}^{\mathsf{i4i3}} \; \left( \mathsf{s_{\gamma}} \; \mathsf{a_e}^{\mathsf{i1i2}} + \widetilde{\mu} \; \mathsf{c_{\gamma}} \; \mathsf{y_e}^{\mathsf{i1i2}} \right) \; \mathsf{LF_{1,1,1,0}} \big[ \, \mathsf{m_1} \, , \; \mathsf{m_{\tilde{e}}}^{\mathsf{i2}} \, , \; \mathsf{m_{\tilde{l}}}^{\mathsf{i1}} \big] \; + \\
                                                                                                                      \frac{1}{4}\;\mathsf{m_1}\;\mathsf{c_{\gamma}}\;\mathsf{g_1}^2\;\overline{\mathsf{y_d}}^{\mathsf{i4i3}}\;\left(-\,\mathsf{c_{\gamma}}\;\mathsf{a_e}^{\mathsf{i1i2}}+\,\mathsf{s_{\gamma}}\;\widetilde{\mu}\;\mathsf{y_e}^{\mathsf{i1i2}}\right)\;\mathsf{LF_{2,2,1,-1}}\!\left[\mathsf{m_1},\;\mathsf{m_{\tilde{e}}}^{\mathsf{i2}},\;\mathsf{m_{\tilde{l}}}^{\mathsf{i1}}\right]\;\mathsf{+}\;\mathsf{m_{\tilde{e}}}^{\mathsf{i2}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}^{\mathsf{i2}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}^{\mathsf{i2}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}^{\mathsf{i2}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}^{\mathsf{i2}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}^{\mathsf{i2}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_{\tilde{l}}}\;\mathsf{m_
                                                                                                                 \mathbf{g_1}^2 \, \tfrac{1}{m_\text{s}^2} \, \mathbf{s_\text{Y}}^2 \, \overline{\mathbf{y_d}}^\text{i4i3} \, \mathbf{y_e}^\text{i1i2} \, \mathsf{LF_{1,1,1,-1}} \big[ \, \mathbf{m_1} \, , \, \, \mathbf{m_{\tilde{e}}}^\text{i2} \, , \, \widetilde{\boldsymbol{\mu}} \, \big] \, - \,
                                                                                                              \mathsf{m_1}\;\mathsf{s_7}\;\widetilde{\mu}\;\mathsf{c_7}\;\mathsf{g_1}^2\;\tfrac{1}{\mathsf{m_0}^2}\;\overline{\mathsf{y_d}}^{\mathsf{i4i3}}\;\mathsf{y_e}^{\mathsf{i1i2}}\;\mathsf{LF_{1,1,1,0}}\big[\,\mathsf{m_1}\,,\,\mathsf{m_{\tilde{e}}}^{\mathsf{i2}}\,,\,\widetilde{\mu}\,\big]\;+
                                                                                                                   \frac{1}{2} g_1^2 \frac{1}{m_e^2} s_{\gamma}^2 \overline{y_d}^{i4i3} y_e^{i1i2} LF_{1,1,1,-1}[m_1, m_{\bar{l}}^{i1}, \widetilde{\mu}] +
                                                                                                                      \frac{1}{2}\;\mathsf{m_1}\;\mathsf{s_{\gamma}}\;\widetilde{\mu}\;\mathsf{c_{\gamma}}\;\mathsf{g_{1}}^2\;\frac{1}{\mathsf{m_0}^2}\;\overline{\mathsf{y_d}}^{\mathsf{i4i3}}\;\mathsf{y_e}^{\mathsf{i1i2}}\;\mathsf{LF_{1,1,1,0}}\big[\mathsf{m_1},\;\mathsf{m_{\tilde{1}}}^{\mathsf{i1}},\;\widetilde{\mu}\big]\;+
                                                                                                                      \frac{1}{36} \,\, m_1 \,\, c_{\gamma} \,\, g_{1}^{\,\, 2} \,\, y_{e}^{\,\, i\, 1\, i\, 2} \,\, \left( \, c_{\gamma} \,\, \overline{a_{d}}^{\,\, i\, 4\, i\, 3} \,\, - \,\, s_{\gamma} \,\, \widetilde{\mu} \,\, \overline{y_{d}}^{\,\, i\, 4\, i\, 3} \,\right) \,\, \mathsf{LF}_{2,2,1,-1} \big[ \, m_{1} \,, \,\, m_{\tilde{q}}^{\,\, i\, 4} \,, \,\, m_{\tilde{d}}^{\,\, i\, 3} \, \big] \,\, + \,\, m_{\tilde{q}}^{\,\, i\, 4\, i\, 3} \,\, + \,\, m_{\tilde{q
                                                                                                                      \frac{1}{6} g_1^2 \frac{1}{m_0^2} s_{\gamma}^2 \overline{y_d}^{i4i3} y_e^{i1i2} LF_{1,1,1,-1}[m_1, m_{\tilde{q}}^{i4}, \tilde{\mu}] -
                                                                                                                      \frac{1}{6}\;\mathsf{m_1}\;\mathsf{s_{\gamma}}\;\widetilde{\boldsymbol{\mu}}\;\mathsf{c_{\gamma}}\;\mathsf{g_{1}}^2\;\frac{1}{\mathsf{m_{0}}^2}\;\overline{\mathsf{y_{d}}}^{\mathsf{i4i3}}\;\mathsf{y_{e}}^{\mathsf{i1i2}}\;\mathsf{LF_{1,1,1,0}}\big[\mathsf{m_{1}},\;\mathsf{m_{\tilde{q}}}^{\mathsf{i4}},\;\widetilde{\boldsymbol{\mu}}\big]\;\mathsf{+}
                                                                                                                      \frac{1}{6} g_1^2 c_{\gamma}^2 \overline{y_d}^{i4i3} y_e^{i1i2} LF_{2,2,1,-2}[m_1, \tilde{\mu}, m_{\tilde{d}}^{i3}] +
                                                                                                                                              \mathsf{m_1} \; \mathsf{s_{\scriptscriptstyle Y}} \; \widetilde{\mu} \; \mathsf{c_{\scriptscriptstyle Y}} \; \mathsf{g_1}^2 \; \overline{\mathsf{y_d}}^{\mathsf{i4i3}} \; \mathsf{y_e}^{\mathsf{i1i2}} \; \mathsf{LF_{2,2,1,-1}} \big[ \mathsf{m_1}, \; \widetilde{\mu}, \; \mathsf{m_{\check{d}}}^{\mathsf{i3}} \big] \; + \,
                                                                                                                                              g_1^2 c_{\gamma}^2 \overline{y_d}^{i4i3} y_e^{i1i2} LF_{2,2,1,-2}[m_1, \tilde{\mu}, m_{\tilde{e}}^{i2}] +
                                                                                                                                                \mathbf{m_1} \; \mathbf{s_{\gamma}} \; \widetilde{\boldsymbol{\mu}} \; \mathbf{c_{\gamma}} \; \mathbf{g_1}^2 \; \overline{\mathbf{y_d}}^{\mathbf{i4i3}} \; \mathbf{y_e}^{\mathbf{i1i2}} \; \mathbf{LF_{2,2,1,-1}} \big[ \mathbf{m_1}, \; \widetilde{\boldsymbol{\mu}}, \; \mathbf{m_{\tilde{e}}}^{\mathbf{i2}} \big] \; - \;
                                                                                                                                              g_1^2 c_{\gamma}^2 \overline{y_d}^{i4i3} y_e^{i1i2} LF_{2,2,1,-2}[m_1, \widetilde{\mu}, m_{\widetilde{l}}^{i1}] -
                                                                                                                                              \mathsf{m_1}\;\mathsf{s_{\gamma}}\;\widetilde{\mu}\;\mathsf{c_{\gamma}}\;\mathsf{g_1}^2\;\overline{\mathsf{y_d}}^{\mathsf{i4i3}}\;\mathsf{y_e}^{\mathsf{i1i2}}\;\mathsf{LF_{2,2,1,-1}}\big[\mathsf{m_1,}\;\widetilde{\mu}\,,\,\mathsf{m_{\tilde{l}}}^{\mathsf{i1}}\big]\;\mathsf{+}
                                                                                                                                                         \mathsf{g_1}^2 \, \mathsf{c_{\gamma}}^2 \, \overline{\mathsf{y_d}}^{\mathsf{i4i3}} \, \mathsf{y_e}^{\mathsf{i1i2}} \, \mathsf{LF}_{\mathsf{2,2,1,-2}} \big[ \mathsf{m_1,} \, \widetilde{\mu}, \, \mathsf{m_q}^{\mathsf{i4}} \big] +
                                                                                                                      \frac{1}{12} \text{ m}_1 \text{ s}_{\gamma} \tilde{\mu} \text{ c}_{\gamma} \text{ g}_1^2 \overline{\text{y}_d}^{\text{i4i3}} \text{ y}_e^{\text{i1i2}} \text{ LF}_{2,2,1,-1} [\text{m}_1, \tilde{\mu}, \text{m}_{\tilde{q}}^{\text{i4}}] +
                                                                                                                      \frac{3}{2} g_2^2 \frac{1}{m_o^2} s_\gamma^2 \overline{y_d}^{i4i3} y_e^{i1i2} LF_{1,1,1,-1}[m_2,m_{\tilde{l}}^{i1},\tilde{\mu}] -
                                                                                                                                           \mathbf{g_2}^2 \, \tfrac{1}{\mathbf{m_0}^2} \, \mathbf{s_\gamma}^2 \, \overline{\mathbf{y_d}}^{\mathbf{i4i3}} \, \mathbf{y_e}^{\mathbf{i1i2}} \, \mathsf{LF_{1,1,1,-1}} \big[ \mathbf{m_2}, \, \mathbf{m_{\tilde{q}}}^{\mathbf{i4}}, \, \widetilde{\boldsymbol{\mu}} \big] \, - \,
                                                                                                                                           \mathsf{m_2}\;\mathsf{s_{\scriptscriptstyle Y}}\;\tilde{\boldsymbol{\mu}}\;\mathsf{c_{\scriptscriptstyle Y}}\;\mathsf{g_2}^2\;\tfrac{1}{\mathsf{m_{\scriptscriptstyle g}}^2}\;\overline{\mathsf{y_d}}^{\mathsf{i4i3}}\;\mathsf{y_e}^{\mathsf{i1i2}}\;\mathsf{LF_{1,1,1,0}}\!\left[\mathsf{m_2}\,,\;\mathsf{m_{\scriptscriptstyle \tilde{q}}}^{\mathsf{i4}}\,,\;\tilde{\boldsymbol{\mu}}\right]\;+
                                                                                                                                                g_2^2 \, c_{_Y}^{\ 2} \, \overline{y_d}^{i4i3} \, y_e^{i1i2} \, LF_{2,2,1,-2} \big[ m_2 , \widetilde{\mu} , m_{\tilde{l}}^{\ i1} \big] +
                                                                                                                                                \text{m}_2 \text{ s}_{\gamma} \, \widetilde{\mu} \, \text{c}_{\gamma} \, \text{g}_2{}^2 \, \overline{\text{y}_d}^{\text{i4i3}} \, \text{y}_{\text{e}}^{\, \text{i1i2}} \, \text{LF}_{\text{2,2,1,-1}} \big[ \, \text{m}_2 \, \text{,} \, \widetilde{\mu} \, \text{,} \, \text{m}_{\tilde{\text{l}}}^{\, \text{i1}} \big] \, + \\
                                                                                                                                                   \mathsf{g_2}^2\;\mathsf{c_{\gamma}}^2\;\overline{\mathsf{y_d}}^{\mathsf{i4i3}}\;\mathsf{y_e}^{\mathsf{i1i2}}\;\mathsf{LF_{2,2,1,-2}}\big[\,\mathsf{m_2}\,,\,\widetilde{\mu}\,,\,\mathsf{m_{\tilde{q}}}^{\mathsf{i4}}\big]\;+
                                                                                                                                              \mathsf{m_2}\;\mathsf{s_\gamma}\;\widetilde{\mu}\;\mathsf{c_\gamma}\;\mathsf{g_2}^2\;\overline{\mathsf{y_d}}^{\mathsf{i4i3}}\;\mathsf{y_e}^{\mathsf{i1i2}}\;\mathsf{LF_{2,2,1,-1}}\big[\mathsf{m_2}\,,\;\widetilde{\mu}\,,\;\mathsf{m_{\tilde{q}}}^{\mathsf{i4}}\big]\;+
                                                                                                                                                \mathsf{m_3} \; \mathsf{s_{\gamma}} \; \mathsf{g_3}^2 \; \tfrac{1}{\mathsf{m_0}^2} \; \mathsf{y_e}^{\text{ili2}} \; \left(\mathsf{s_{\gamma}} \; \overline{\mathsf{a_d}}^{\text{i4i3}} + \widetilde{\mu} \; \mathsf{c_{\gamma}} \; \overline{\mathsf{y_d}}^{\text{i4i3}}\right) \; \mathsf{LF_{1,1,1,0}} \left[\mathsf{m_3} \; , \; \mathsf{m_{\tilde{d}}}^{\text{i3}} \; , \; \mathsf{m_{\tilde{q}}}^{\text{i4}}\right] \; + \; \widetilde{\mathsf{m_{\tilde{q}}}}^{\text{i4i3}} \; + \; \widetilde{\mathsf{m_{\tilde{q}}}}^{\text{i4i3}} \; + \; \widetilde{\mathsf{m_{\tilde{q}}}}^{\text{i4i3}} \; \right] \; + \; \widetilde{\mathsf{m_{\tilde{q}}}}^{\text{i4i3}} \; + \; \widetilde{\mathsf{m_{\tilde{q}}
                                                                                                                                                \text{m}_{3} \; c_{\gamma} \; g_{3}^{2} \; y_{e}^{\; \text{ili2}} \; \left( - \, c_{\gamma} \; \overline{a_{d}}^{\; \text{i4i3}} + \, s_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \right) \; \text{LF}_{2,2,1,-1} \big[ \, \text{m}_{3} \, , \, \, \text{m}_{\tilde{d}}^{\; \text{i3}} \, , \, \, \text{m}_{\tilde{q}}^{\; \text{i4}} \big] \; + \; \text{m}_{\tilde{q}}^{\; \text{i4i3}} + \, s_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} + \, s_{\gamma} \; \overline{y_{d}}^{
                                                                                                                                                \text{m}_{3} \; c_{\gamma} \; g_{3}^{\; 2} \; y_{e}^{\; \text{ili2}} \; \left( - \, c_{\gamma} \; \overline{a_{d}}^{\; \text{i4i3}} + \, s_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \right) \; LF_{2,2,1,-1} \big[ \, m_{3} \, , \; m_{\tilde{q}}^{\; \text{i4}} \, , \; m_{\tilde{d}}^{\; \text{i3}} \big] \; + \; c_{\gamma} \; \widetilde{\mu} \; \overline{\mu}_{d}^{\; \text{i4i3}} + \; c_{\gamma} \; \widetilde{\mu} \; \overline{\mu}_{d}^{\; \text{i4i3}} + \; c_{\gamma} \; \widetilde{\mu}_{d}^{\; \text{i4i3}} +
                                                                                                                                                            \mathsf{m_1}\; \mathsf{c_{Y}}\; \mathsf{g_1}^2\; \mathsf{y_e}^{\mathsf{ili2}}\; \left(-\, \mathsf{c_{Y}}\; \overline{\mathsf{a_d}}^{\mathsf{i4i3}} + \mathsf{s_{Y}}\; \widetilde{\mu}\; \overline{\mathsf{y_d}}^{\mathsf{i4i3}}\right)\; \mathsf{LF_{2,1,1,0}}\left[\,\mathsf{m_{\bar{d}}}^{\mathsf{i3}},\; \mathsf{m_1},\; \mathsf{m_{\bar{q}}}\right]
                                                                                                                                                            \text{m}_{1}\;c_{\gamma}\;g_{1}^{2}\;y_{e}^{\text{ili2}}\;\left(c_{\gamma}\;\overline{a_{d}}^{\text{i4i3}}-s_{\gamma}\;\widetilde{\mu}\;\overline{y_{d}}^{\text{i4i3}}\right)\;\text{LF}_{3,1,1,-1}\big[\,\text{m}_{\tilde{d}}^{\text{i3}}\text{, m}_{1}\text{, m}_{\tilde{q}}
                                                                                                                                              \stackrel{\circ}{\mathsf{m}_{3}} \, \mathsf{c}_{\gamma} \, \mathsf{g_{3}}^{2} \, \mathsf{y_{e}}^{\mathsf{ili2}} \, \left( \mathsf{c}_{\gamma} \, \, \overline{\mathsf{a_{d}}}^{\mathsf{i4i3}} - \mathsf{s}_{\gamma} \, \widetilde{\mu} \, \overline{\mathsf{y_{d}}}^{\mathsf{i4i3}} \right) \, \mathsf{LF_{2,1,1,0}} \left[ \mathsf{m_{\tilde{d}}}^{\mathsf{i3}}, \, \mathsf{m_{3}}, \, \mathsf{m_{\tilde{q}}}^{\mathsf{i4}} \right] \, + \, \mathsf{a_{3}}^{\mathsf{i4i3}} + \, \mathsf{a_{3}}^{\mathsf{i4i3}} \, \mathsf{a_{3}}^{\mathsf{i4i3}} + \, \mathsf{a_{3}}^{\mathsf{i4i3}} \right] \, + \, \mathsf{a_{3}}^{\mathsf{i4i3}} \, \mathsf{a_{3}}^{\mathsf{i4i3}} + \, \mathsf{a_{3}}^{\mathsf{i4i3}
                                                                                                                                              \mathsf{m_{3}}\;\mathsf{c_{\gamma}}\;\mathsf{g_{3}}^{2}\;\mathsf{y_{e}}^{\text{ili2}}\;\left(-\,\mathsf{c_{\gamma}}\;\overline{\mathsf{a_{d}}}^{\text{i4i3}}\,+\,\mathsf{s_{\gamma}}\;\widetilde{\mu}\;\overline{\mathsf{y_{d}}}^{\text{i4i3}}\right)\;\mathsf{LF_{3,1,1,-1}}\!\left[\mathsf{m_{\tilde{d}}}^{\text{i3}},\;\mathsf{m_{3}},\;\mathsf{m_{\tilde{q}}}^{\text{i4}}\right]\,+\,\mathsf{m_{\tilde{d}}}^{\text{i4i3}}
                                                                                                                                                \text{m}_{1}\;c_{\gamma}\;g_{1}^{2}\;\overline{y_{d}}^{\text{i4i3}}\;\left(c_{\gamma}\;a_{e}^{\text{i1i2}}-s_{\gamma}\;\widetilde{\mu}\;y_{e}^{\text{i1i2}}\right)\;LF_{2,1,1,0}\!\left[m_{\tilde{e}}^{\text{i2}},\;m_{1},\;m_{\tilde{l}}^{\text{i1}}\right]\;+
                                                                                                                                                \mathsf{m_{1}}\;c_{\gamma}\;g_{1}^{2}\;\overline{y_{d}}^{\text{i4i3}}\;\left(-\,c_{\gamma}\;a_{e}^{\,\,\text{i1i2}}\,+\,s_{\gamma}\;\widetilde{\mu}\;y_{e}^{\,\,\text{i1i2}}\right)\;\mathsf{LF_{3,1,1,-1}}\!\left[\,\mathsf{m_{\tilde{e}}}^{\,\,\text{i2}}\,,\;\mathsf{m_{1}},\;\mathsf{m_{\tilde{l}}}^{\,\,\text{i1}}\,\right]\;+
                                                                                                                                                \text{m}_{1}\;c_{\gamma}\;g_{1}^{\;2}\;\overline{y_{d}}^{\text{i4i3}}\;\left(c_{\gamma}\;a_{e}^{\;\text{i1i2}}-s_{\gamma}\;\widetilde{\mu}\;y_{e}^{\;\text{i1i2}}\right)\;\text{LF}_{2,\text{1,1,0}}\!\left[\text{m}_{\tilde{l}}^{\;\text{i1}},\;\text{m}_{\text{1}},\;\text{m}_{\tilde{e}}^{\;\text{i2}}\right]\;+\;
                                                                                                                                              \mathsf{m_1} \; \mathsf{c_{Y}} \; \mathsf{g_1}^2 \; \overline{\mathsf{y_d}}^{\mathsf{i4i3}} \; \left( - \, \mathsf{c_{Y}} \; \mathsf{a_e}^{\, \mathsf{i1i2}} + \, \mathsf{s_{Y}} \; \widetilde{\boldsymbol{\mu}} \; \mathsf{y_e}^{\, \mathsf{i1i2}} \right) \; \mathsf{LF_{3,1,1,-1}} \big[ \, \mathsf{m_{\tilde{l}}}^{\, \mathsf{i1}} \, , \; \mathsf{m_1} \, , \; \mathsf{m_{\tilde{e}}}^{\, \mathsf{i2}} \big] \; + \\
                                                                                                                 s_{\gamma}\;\widetilde{\mu}\;\tfrac{1}{m_{\text{o}}^2}\;\overline{y_{\text{d}}}^{\text{pi3}}\;y_{\text{e}}^{\text{ili2}}\;\overline{y_{\text{u}}}^{\text{i4r}}\;\left(c_{\gamma}\;a_{\text{u}}^{\text{pr}}+s_{\gamma}\;\widetilde{\mu}\;y_{\text{u}}^{\text{pr}}\right)\;\mathsf{LF_{1,1,1,0}}\left[\mathsf{m}_{\tilde{q}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-r}},\;\widetilde{\mu}\right]\;+\;\mathsf{LF_{1,1,1,0}}\left[\mathsf{m}_{\tilde{q}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-r}},\;\widetilde{\mu}\right]\;+\;\mathsf{LF_{1,1,1,0}}\left[\mathsf{m}_{\tilde{q}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-r}},\;\widetilde{\mu}\right]\;+\;\mathsf{LF_{1,1,1,0}}\left[\mathsf{m}_{\tilde{q}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-r}},\;\widetilde{\mu}\right]\;+\;\mathsf{LF_{1,1,1,0}}\left[\mathsf{m}_{\tilde{q}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-r}},\;\widetilde{\mu}\right]\;+\;\mathsf{LF_{1,1,1,0}}\left[\mathsf{m}_{\tilde{q}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-r}},\;\widetilde{\mu}\right]\;+\;\mathsf{LF_{1,1,1,0}}\left[\mathsf{m}_{\tilde{q}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\widetilde{\mu}\right]\;+\;\mathsf{LF_{1,1,1,0}}\left[\mathsf{m}_{\tilde{q}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\widetilde{\mu}\right]\;+\;\mathsf{LF_{1,1,1,1,0}}\left[\mathsf{m}_{\tilde{q}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\widetilde{\mu}\right]\;+\;\mathsf{LF_{1,1,1,1,0}}\left[\mathsf{m}_{\tilde{q}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\widetilde{\mu}\right]\;+\;\mathsf{LF_{1,1,1,1,0}}\left[\mathsf{m}_{\tilde{q}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\widetilde{\mu}\right]\;+\;\mathsf{LF_{1,1,1,1,0}}\left[\mathsf{m}_{\tilde{q}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\widetilde{\mu}\right]\;+\;\mathsf{LF_{1,1,1,1,0}}\left[\mathsf{m}_{\tilde{q}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\widetilde{\mu}\right]\;+\;\mathsf{LF_{1,1,1,1,0}}\left[\mathsf{m}_{\tilde{q}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\widetilde{\mu}\right]\;+\;\mathsf{LF_{1,1,1,1,0}}\left[\mathsf{m}_{\tilde{q}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\widetilde{\mu}\right]\;+\;\mathsf{LF_{1,1,1,1,0}}\left[\mathsf{m}_{\tilde{q}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\widetilde{\mu}\right]\;+\;\mathsf{LF_{1,1,1,1,0}}\left[\mathsf{m}_{\tilde{q}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\widetilde{\mu}\right]\;+\;\mathsf{LF_{1,1,1,1,1,0}}\left[\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^{\text{-p}},\;\mathsf{m}_{\tilde{u}}^
                                                                                                                                                \widetilde{\mu}\; c_{\gamma} \, \overline{y_d}^{\text{pi3}}\; y_e^{\,\text{ili2}} \, \overline{y_u}^{\text{i4r}} \; \left(-\, s_{\gamma}\; a_u^{\,\text{pr}} + \widetilde{\mu}\; c_{\gamma}\; y_u^{\,\text{pr}}\right) \; \text{LF}_{2,\text{1,1,0}} \left[\, m_{\tilde{q}}^{\,\,p}\,,\; m_{\tilde{u}}^{\,\,r}\,,\; \widetilde{\mu}\,\right] \; + \; \widetilde{\mu} \; c_{\gamma} \, y_u^{\,\,pr} + 
                                                                                                                                                \widetilde{\mu}\;c_{\gamma}\;\overline{y_{d}}^{\text{pi3}}\;y_{e}^{\;\text{ili2}}\;\overline{y_{u}}^{\text{i4r}}\;\left(s_{\gamma}\;a_{u}^{\;\text{pr}}-\widetilde{\mu}\;c_{\gamma}\;y_{u}^{\;\text{pr}}\right)\;\text{LF}_{3,1,1,-1}\!\left[\boldsymbol{m_{\tilde{q}}}^{\;\text{p}},\;\boldsymbol{m_{\tilde{u}}}^{\;\text{r}},\;\widetilde{\mu}\right]\;+
                                                                                                                                                \widetilde{\mu} \; \mathbf{c_{\scriptscriptstyle Y}} \; \overline{\mathbf{y_d}}^{\text{pi3}} \; \mathbf{y_e}^{\text{ili2}} \; \overline{\mathbf{y_u}}^{\text{i4r}} \; \left( \mathbf{s_{\scriptscriptstyle Y}} \; \mathbf{a_u}^{\text{pr}} - \widetilde{\mu} \; \mathbf{c_{\scriptscriptstyle Y}} \; \mathbf{y_u}^{\text{pr}} \right) \; \mathbf{LF_{2,2,1,-1}} \left[ \mathbf{m_{\bar{q}}}^{\text{p}}, \; \widetilde{\mu}, \; \mathbf{m_{\bar{u}}}^{\text{r}} \right] \; + \; \mathbf{m_{\bar{u}}}^{\text{pr}} \; \mathbf{m_{\bar{u
                                                                                                                                                            \mathsf{m_1} \; c_{\gamma} \; g_{1}^{\; 2} \; y_{e}^{\; \text{ili2}} \; \left( - \, c_{\gamma} \; \overline{a_{d}}^{\; \text{i4i3}} + s_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \right) \; \mathsf{LF}_{2,1,1,0} \left[ \, \mathsf{m_{\tilde{q}}}^{\; \text{i4}} \, , \; \mathsf{m_{1}} \, , \; \mathsf{m_{\tilde{d}}}^{\; \text{i3}} \, \right] \; + \; c_{\gamma} \; \widetilde{a_{d}}^{\; \text{i4i3}} \; + \; s_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \right) \; \mathsf{LF}_{2,1,1,0} \left[ \, \mathsf{m_{\tilde{q}}}^{\; \text{i4}} \, , \; \mathsf{m_{1}} \, , \; \mathsf{m_{\tilde{d}}}^{\; \text{i3}} \, \right] \; + \; c_{\gamma} \; \widetilde{a_{d}}^{\; \text{i4i3}} \; + \; c_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \right) \; \mathsf{LF}_{2,1,1,0} \left[ \, \mathsf{m_{\tilde{q}}}^{\; \text{i4}} \, , \; \mathsf{m_{1}} \, , \; \mathsf{m_{\tilde{d}}}^{\; \text{i3}} \, \right] \; + \; c_{\gamma} \; \widetilde{\mu} \; \widetilde{a_{d}}^{\; \text{i4i3}} \; + \; c_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \; + \; c_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \; + \; c_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \; + \; c_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \; + \; c_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \; + \; c_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \; + \; c_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \; + \; c_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \; + \; c_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \; + \; c_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \; + \; c_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \; + \; c_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \; + \; c_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \; + \; c_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \; + \; c_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \; + \; c_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \; + \; c_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \; + \; c_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \; + \; c_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \; + \; c_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \; + \; c_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \; + \; c_{\gamma} \; \overline{y_{d}}^{\; \text{
                                                                                                                                                            \mathsf{m_{1}}\;c_{\gamma}\;\mathsf{g_{1}}^{2}\;\mathsf{y_{e}}^{\mathsf{ili2}}\;\left(c_{\gamma}\;\overline{\mathsf{a_{d}}}^{\mathsf{i4i3}}-\mathsf{s_{\gamma}}\;\widetilde{\mu}\;\overline{\mathsf{y_{d}}}^{\mathsf{i4i3}}\right)\;\mathsf{LF_{3,1,1,-1}}\!\left[\mathsf{m_{\tilde{q}}}^{\mathsf{i4}}\;,\;\mathsf{m_{1}}\;,\;\mathsf{m_{\tilde{d}}}^{\mathsf{i3}}\right]\;+\;
                                                                                                                                           \text{m}_{3} \; c_{\gamma} \; g_{3}^{\; 2} \; y_{e}^{\; \text{ili2}} \; \left( c_{\gamma} \; \overline{a_{d}}^{\; \text{i4i3}} - s_{\gamma} \; \widetilde{\mu} \; \overline{y_{d}}^{\; \text{i4i3}} \right) \; \text{LF}_{2,1,1,0} \left[ \, \text{m}_{\tilde{q}}^{\; \; \text{i4}} \, , \; \text{m}_{3} \, , \; \text{m}_{\tilde{d}}^{\; \; \text{i3}} \, \right] \; + \; \text{LF}_{2,1,1,0} \left[ \, \text{m}_{\tilde{q}}^{\; \; \text{i4}} \, , \; \text{m}_{3} \, , \; \text{m}_{\tilde{d}}^{\; \; \text{i3}} \, \right] \; + \; \text{LF}_{2,1,1,0} \left[ \, \text{m}_{\tilde{q}}^{\; \; \text{i4}} \, , \; \text{m}_{3} \, , \; \text{m}_{\tilde{d}}^{\; \; \text{i3}} \, \right] \; + \; \text{LF}_{2,1,1,0} \left[ \, \text{m}_{\tilde{q}}^{\; \; \text{i4}} \, , \; \text{m}_{3} \, , \; \text{m}_{\tilde{d}}^{\; \; \text{i3}} \, \right] \; + \; \text{LF}_{2,1,1,0} \left[ \, \text{m}_{\tilde{q}}^{\; \; \text{i4}} \, , \; \text{m}_{3} \, , \; \text{m}_{\tilde{d}}^{\; \; \text{i3}} \, \right] \; + \; \text{LF}_{2,1,1,0} \left[ \, \text{m}_{\tilde{q}}^{\; \; \text{i4}} \, , \; \text{m}_{3} \, , \; \text{m}_{\tilde{d}}^{\; \; \text{i3}} \, \right] \; + \; \text{LF}_{2,1,1,0} \left[ \, \text{m}_{\tilde{q}}^{\; \; \text{i4}} \, , \; \text{m}_{3} \, , \; \text{m}_{\tilde{d}}^{\; \; \text{i3}} \, \right] \; + \; \text{LF}_{2,1,1,0} \left[ \, \text{m}_{\tilde{q}}^{\; \; \text{i4}} \, , \; \text{m}_{3} \, , \; \text{m}_{\tilde{d}}^{\; \; \text{i3}} \, \right] \; + \; \text{LF}_{2,1,1,0} \left[ \, \text{m}_{\tilde{q}}^{\; \; \text{i4}} \, , \; \text{m}_{3} \, , \; \text{m}_{\tilde{d}}^{\; \; \text{i4}} \, \right] \; + \; \text{LF}_{2,1,1,1,0} \left[ \, \text{m}_{\tilde{q}}^{\; \; \text{i4}} \, , \; \text{m}_{3} \, , \; \text{m}_{\tilde{d}}^{\; \; \text{i4}} \, \right] \; + \; \text{LF}_{2,1,1,1,0} \left[ \, \text{m}_{\tilde{q}}^{\; \; \text{i4}} \, , \; \text{m}_{3} \, , \; \text{m}_{\tilde{d}}^{\; \; \text{i4}} \, \right] \; + \; \text{LF}_{2,1,1,1,0} \left[ \, \text{m}_{\tilde{q}}^{\; \; \text{i4}} \, , \; \text{m}_{3} \, , \; \text{m}_{\tilde{d}}^{\; \; \text{i4}} \, \right] \; + \; \text{LF}_{2,1,1,1,0} \left[ \, \text{m}_{\tilde{q}}^{\; \; \text{i4}} \, , \; \text{m}_{3} \, , \; \text{m}_{\tilde{d}}^{\; \; \text{i4}} \, \right] \; + \; \text{LF}_{2,1,1,1,0} \left[ \, \text{m}_{\tilde{q}}^{\; \; \text{i4}} \, , \; \text{m}_{3} \, , \; \text{m}_{\tilde{d}}^{\; \; \text{i4}} \, \right] \; + \; \text{LF}_{2,1,1,1,0} \left[ \, \text{m}_{\tilde{q}}^{\; \; \text{i4}} \, , \; \text{m}_{3} \, , \; \text{m}_{\tilde{d}}^{\; \; \text{i4}} \, \right] \; + \; \text{LF}_{2,1,1,1,0} \left[ \, \text{m}_{\tilde{q}}^{\; \; \text{i4}} \, , \; \text{m}_{3} \, , \; \text{m}_{\tilde{d}}^{\; \; \text{i4}} \, \right] \; + \; \text{LF}_{2,1,1,1,0} \left[ \, \text{m}_{\tilde{q}}^{\; \; \text{i4}} \, , \; \text{m}_{3} \, , \; \text{m}_{\tilde{d}}^{\; \; \text{i4}} \, \right] \; + \; \text{LF}_{2,1,1,1,0} \left[ \, \text{m}_{\tilde{q}}^{\; \; \text{i4}} \, , \; \text{m}_{3} \, , \; \text{m}_{\tilde{q}}^{\; \; \text{i4}} \, \right] \; + \; \text{LF}_{2,1,1,1,1,0} \left[ \, \text{m}_{\tilde{q}}^{\; \; \text{i4}} \, , \; \text{m}_{3} \, , \; \text{m}_{\tilde{q}
                                                                                                                                              \mathsf{m_{3}}\;\mathsf{c_{\gamma}}\;\mathsf{g_{3}}^{2}\;\mathsf{y_{e}}^{\mathsf{i1i2}}\;\left(-\,\mathsf{c_{\gamma}}\;\overline{\mathsf{a_{d}}}^{\mathsf{i4i3}}\,+\,\mathsf{s_{\gamma}}\;\widetilde{\mu}\;\overline{\mathsf{y_{d}}}^{\mathsf{i4i3}}\right)\;\mathsf{LF_{3,1,1,,-1}}\!\left[\,\mathsf{m_{\tilde{q}}}^{\mathsf{i4}}\,\mathsf{,}\;\mathsf{m_{3}}\,,\;\mathsf{m_{\tilde{d}}}^{\mathsf{i3}}\,\right]\,+\,\mathsf{m_{3}}^{\mathsf{i3}}
                                                                                                                                                   \widetilde{\mu} \; c_{\gamma} \; \overline{y_{d}}^{\text{pi3}} \; y_{e}^{\; \text{ili2}} \; \overline{y_{u}}^{\; \text{i4r}} \; \left( s_{\gamma} \; a_{u}^{\; \text{pr}} - \widetilde{\mu} \; c_{\gamma} \; y_{u}^{\; \text{pr}} \right) \; \text{LF}_{3,1,1,-1} \left[ \textbf{m}_{\tilde{u}}^{\; \text{r}} \textbf{,} \; \textbf{m}_{\tilde{q}}^{\; \text{p}} \textbf{,} \; \widetilde{\mu} \right] \; + \; \text{LF}_{3,1,1,-1} \left[ \textbf{m}_{\tilde{u}}^{\; \text{r}} \textbf{,} \; \textbf{m}_{\tilde{q}}^{\; \text{p}} \textbf{,} \; \widetilde{\mu} \right] \; + \; \text{LF}_{3,1,1,-1} \left[ \textbf{m}_{\tilde{u}}^{\; \text{r}} \textbf{,} \; \textbf{m}_{\tilde{q}}^{\; \text{p}} \textbf{,} \; \widetilde{\mu} \right] \; + \; \text{LF}_{3,1,1,-1} \left[ \textbf{m}_{\tilde{u}}^{\; \text{r}} \textbf{,} \; \textbf{m}_{\tilde{q}}^{\; \text{p}} \textbf{,} \; \widetilde{\mu} \right] \; + \; \text{LF}_{3,1,1,-1} \left[ \textbf{m}_{\tilde{u}}^{\; \text{r}} \textbf{,} \; \textbf{m}_{\tilde{q}}^{\; \text{p}} \textbf{,} \; \widetilde{\mu} \right] \; + \; \text{LF}_{3,1,1,-1} \left[ \textbf{m}_{\tilde{u}}^{\; \text{r}} \textbf{,} \; \textbf{m}_{\tilde{q}}^{\; \text{p}} \textbf{,} \; \widetilde{\mu} \right] \; + \; \text{LF}_{3,1,1,-1} \left[ \textbf{m}_{\tilde{u}}^{\; \text{r}} \textbf{,} \; \textbf{m}_{\tilde{q}}^{\; \text{p}} \textbf{,} \; \widetilde{\mu} \right] \; + \; \text{LF}_{3,1,1,-1} \left[ \textbf{m}_{\tilde{u}}^{\; \text{r}} \textbf{,} \; \textbf{m}_{\tilde{q}}^{\; \text{p}} \textbf{,} \; \widetilde{\mu} \right] \; + \; \text{LF}_{3,1,1,-1} \left[ \textbf{m}_{\tilde{u}}^{\; \text{r}} \textbf{,} \; \textbf{m}_{\tilde{q}}^{\; \text{p}} \textbf{,} \; \widetilde{\mu} \right] \; + \; \text{LF}_{3,1,1,-1} \left[ \textbf{m}_{\tilde{u}}^{\; \text{r}} \textbf{,} \; \textbf{m}_{\tilde{q}}^{\; \text{p}} \textbf{,} \; \widetilde{\mu} \right] \; + \; \text{LF}_{3,1,1,-1} \left[ \textbf{m}_{\tilde{u}}^{\; \text{r}} \textbf{,} \; \textbf{m}_{\tilde{q}}^{\; \text{p}} \textbf{,} \; \widetilde{\mu} \right] \; + \; \text{LF}_{3,1,1,-1} \left[ \textbf{m}_{\tilde{u}}^{\; \text{r}} \textbf{,} \; \textbf{m}_{\tilde{q}}^{\; \text{p}} \textbf{,} \; \widetilde{\mu} \right] \; + \; \text{LF}_{3,1,1,-1} \left[ \textbf{m}_{\tilde{u}}^{\; \text{r}} \textbf{,} \; \textbf{m}_{\tilde{q}}^{\; \text{p}} \textbf{,} \; \widetilde{\mu} \right] \; + \; \text{LF}_{3,1,1,-1} \left[ \textbf{m}_{\tilde{u}}^{\; \text{r}} \textbf{,} \; \textbf{m}_{\tilde{q}}^{\; \text{p}} \textbf{,} \; \widetilde{\mu} \right] \; + \; \text{LF}_{3,1,1,-1} \left[ \textbf{m}_{\tilde{u}}^{\; \text{r}} \textbf{,} \; \textbf{m}_{\tilde{q}}^{\; \text{p}} \textbf{,} \; \widetilde{\mu} \right] \; + \; \text{LF}_{3,1,1,-1} \left[ \textbf{m}_{\tilde{u}}^{\; \text{r}} \textbf{,} \; \textbf{m}_{\tilde{q}}^{\; \text{p}} \textbf{,} \; \widetilde{\mu} \right] \; + \; \text{LF}_{3,1,1,-1} \left[ \textbf{m}_{\tilde{u}}^{\; \text{r}} \textbf{,} \; \textbf{m}_{\tilde{q}}^{\; \text{r}} \textbf{,} \; \widetilde{\mu} \right] \; + \; \text{LF}_{3,1,1,-1} \left[ \textbf{m}_{\tilde{u}}^{\; \text{r}} \textbf{,} \; \textbf{m}_{\tilde{q}}^{\; \text{r}} \textbf{,} \; \widetilde{\mu} \right] \; + \; \text{LF}_{3,1,1,-1} \left[ \textbf{m}_{\tilde{u}}^{\; \text{r}} \textbf{,} \; \textbf{m}_{\tilde{q}}^{\; \text{r}} \textbf{,} \; \widetilde{\mu} \right] \; + \; \text{LF}_{3,1,1,-1} \left[ \textbf{m}_{\tilde{u}}^{\; \text{r}} \textbf{,} \; \textbf{m}_{\tilde{q}}^{\; \text{r}} \textbf{,} \; \widetilde{\mu} \right] \; + \; \text{LF}_{3,1,1,-1} \left[ \textbf{m}_{\tilde{u}}^{\; \text{r}} \textbf{,} \; \textbf{m}_{\tilde{q}}^{\; \text{r}} \textbf{,} \; \widetilde{\mu} \right] \; + \; \text{LF}_{3,1,1
                                                                                                                                                   \tilde{\mu} \; c_{\gamma} \; \overline{y_{d}}^{\text{pi3}} \; y_{\text{e}}^{\text{iii2}} \; \overline{y_{u}}^{\text{i4r}} \; \left( s_{\gamma} \; a_{u}^{\; \text{pr}} - \tilde{\mu} \; c_{\gamma} \; y_{u}^{\; \text{pr}} \right) \; \mathsf{LF}_{2,2,1,-1} \big[ \mathfrak{m}_{\tilde{u}}^{\; \text{r}} \, , \; \tilde{\mu}_{\text{,}} \; \mathfrak{m}_{\tilde{q}}^{\; \text{p}} \big] \; - \; \tilde{\mu} \; c_{\gamma} \; y_{u}^{\; \text{pr}} \, .
                                                                                                                                                   \mathsf{g_1}^2 \, \overline{\mathsf{y_d}}^{\mathsf{i4i3}} \, \mathsf{y_e}^{\mathsf{i1i2}} \, \mathsf{LF_{1,1,1,1,-1}} \big[ \mathsf{m_1}, \, \mathsf{m_{\tilde{d}}}^{\mathsf{i3}}, \, \mathsf{m_{\tilde{e}}}^{\mathsf{i2}}, \, \widetilde{\mu} \big] \, + \,
                                                                                                                                                   \mathbf{g_1}^2\,\overline{\mathbf{y_d}}^{\mathbf{i4i3}}\,\mathbf{y_e}^{\mathbf{i1i2}}\,\mathsf{LF_{1,1,1,1,-1}}\big[\mathbf{m_1},\,\mathbf{m_{\tilde{d}}}^{\mathbf{i3}},\,\mathbf{m_{\tilde{l}}}^{\mathbf{i1}},\,\tilde{\boldsymbol{\mu}}\big]\,\cdot
                                                                                                                                                   \mathbf{g_1}^2 \, \overline{\mathbf{y_d}}^{\text{i4i3}} \, \mathbf{y_e}^{\text{i1i2}} \, \mathsf{LF_{1,1,1,1,1,-1}} \big[ \mathbf{m_1,\, m_{\tilde{e}}}^{\text{i2}},\, \mathbf{m_{\tilde{q}}}^{\text{i4}},\, \tilde{\mu} \big] \, + \,
                                                                                                                      \frac{1}{12}~g_1^2~\overline{y_d}^{i4i3}~y_e^{i1i2}~LF_{1,1,1,1,-1}\big[\text{m}_1,~\text{m}_{\tilde{l}}^{~i1},~\text{m}_{\tilde{q}}^{~i4},~\tilde{\mu}\big]~-
                                                                                                                                                g_2^2 \overline{y_d}^{i4i3} y_e^{i1i2} LF_{1,1,1,1,-1}[m_2, m_{\tilde{l}}^{i1}, m_{\tilde{q}}^{i4}, \tilde{\mu}])
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