$$C_{eB}^{i1\_i2\_} \to$$

$$\frac{1}{16\,\pi^2}\Big(\frac{1}{48}\,g_1\,c_\gamma\,\frac{1}{m_{\tilde{\nu}}^2}\,s_\gamma^2\,\overline{y_e}^{pr}\,\big(-7\,y_e^{pi2}\,y_e^{i1r}+18\,y_e^{pr}\,y_e^{i1i2}\big)-\frac{1}{2}\,c_\gamma\,g_1^3\,y_e^{i1i2}\,LF_{2,1,0}\big[m_1,\,m_{\tilde{e}}^{i2}\big]+$$
$$c_\gamma\,g_1^3\,y_e^{i1i2}\,LF_{3,1,-1}\big[m_1,\,m_{\tilde{e}}^{i2}\big]-\frac{1}{2}\,c_\gamma\,g_1^3\,y_e^{i1i2}\,LF_{4,1,-2}\big[m_1,\,m_{\tilde{e}}^{i2}\big]-$$
$$\frac{1}{16}\,c_\gamma\,g_1^3\,y_e^{i1i2}\,LF_{2,1,0}\big[m_1,\,m_{\tilde{l}}^{i1}\big]+\frac{1}{8}\,c_\gamma\,g_1^3\,y_e^{i1i2}\,LF_{3,1,-1}\big[m_1,\,m_{\tilde{l}}^{i1}\big]-$$
$$\frac{1}{16}\,c_\gamma\,g_1^3\,y_e^{i1i2}\,LF_{4,1,-2}\big[m_1,\,m_{\tilde{l}}^{i1}\big]-\frac{3}{16}\,g_1\,c_\gamma\,g_2^2\,y_e^{i1i2}\,LF_{2,1,0}\big[m_2,\,m_{\tilde{l}}^{i1}\big]+$$
$$\frac{3}{8}\,g_1\,c_\gamma\,g_2^2\,y_e^{i1i2}\,LF_{3,1,-1}\big[m_2,\,m_{\tilde{l}}^{i1}\big]-\frac{3}{16}\,g_1\,c_\gamma\,g_2^2\,y_e^{i1i2}\,LF_{4,1,-2}\big[m_2,\,m_{\tilde{l}}^{i1}\big]-$$
$$\frac{1}{4}\,g_1\,c_\gamma\,\overline{y_e}^{pr}\,y_e^{pi2}\,y_e^{i1r}\,LF_{2,1,0}\big[\tilde{\mu},\,m_{\tilde{e}}^{r}\big]+\frac{3}{8}\,g_1\,c_\gamma\,\overline{y_e}^{pr}\,y_e^{pi2}\,y_e^{i1r}\,LF_{3,1,-1}\big[\tilde{\mu},\,m_{\tilde{e}}^{r}\big]-$$
$$\frac{1}{8}\,g_1\,c_\gamma\,\overline{y_e}^{pr}\,y_e^{pi2}\,y_e^{i1r}\,LF_{4,1,-2}\big[\tilde{\mu},\,m_{\tilde{e}}^{r}\big]-\frac{1}{4}\,g_1\,c_\gamma\,\overline{y_e}^{pr}\,y_e^{pi2}\,y_e^{i1r}\,LF_{2,1,0}\big[\tilde{\mu},\,m_{\tilde{l}}^{p}\big]+$$
$$\frac{3}{4}\,g_1\,c_\gamma\,\overline{y_e}^{pr}\,y_e^{pi2}\,y_e^{i1r}\,LF_{3,1,-1}\big[\tilde{\mu},\,m_{\tilde{l}}^{p}\big]-\frac{1}{2}\,g_1\,c_\gamma\,\overline{y_e}^{pr}\,y_e^{pi2}\,y_e^{i1r}\,LF_{4,1,-2}\big[\tilde{\mu},\,m_{\tilde{l}}^{p}\big]+$$
$$\frac{3}{8}\,m_1\,g_1^3\,\big(c_\gamma\,a_e^{i1i2}-s_\gamma\,\tilde{\mu}\,y_e^{i1i2}\big)\,LF_{2,1,1,0}\big[m_1,\,m_{\tilde{e}}^{i2},\,m_{\tilde{l}}^{i1}\big]+$$
$$\frac{1}{16}\,m_1\,g_1^3\,\big(c_\gamma\,a_e^{i1i2}-s_\gamma\,\tilde{\mu}\,y_e^{i1i2}\big)\,LF_{2,2,1,-1}\big[m_1,\,m_{\tilde{e}}^{i2},\,m_{\tilde{l}}^{i1}\big]+\frac{3}{8}\,m_1\,g_1^3$$
$$\big(-c_\gamma\,a_e^{i1i2}+s_\gamma\,\tilde{\mu}\,y_e^{i1i2}\big)\,LF_{3,1,1,-1}\big[m_1,\,m_{\tilde{e}}^{i2},\,m_{\tilde{l}}^{i1}\big]-\frac{1}{2}\,c_\gamma\,g_1^3\,y_e^{i1i2}\,LF_{1,1,1,0}\big[m_1,\,m_{\tilde{e}}^{i2},\,\tilde{\mu}\big]+$$
$$c_\gamma\,g_1^3\,y_e^{i1i2}\,LF_{2,1,1,-1}\big[m_1,\,m_{\tilde{e}}^{i2},\,\tilde{\mu}\big]+\frac{1}{2}\,m_1\,s_\gamma\,\tilde{\mu}\,g_1^3\,y_e^{i1i2}\,LF_{2,1,1,0}\big[m_1,\,m_{\tilde{e}}^{i2},\,\tilde{\mu}\big]-$$
$$\frac{1}{2}\,c_\gamma\,g_1^3\,y_e^{i1i2}\,LF_{3,1,1,-2}\big[m_1,\,m_{\tilde{e}}^{i2},\,\tilde{\mu}\big]-\frac{1}{2}\,m_1\,s_\gamma\,\tilde{\mu}\,g_1^3\,y_e^{i1i2}\,LF_{3,1,1,-1}\big[m_1,\,m_{\tilde{e}}^{i2},\,\tilde{\mu}\big]+$$
$$\frac{1}{16}\,m_1\,g_1^3\,\big(-c_\gamma\,a_e^{i1i2}+s_\gamma\,\tilde{\mu}\,y_e^{i1i2}\big)\,LF_{2,2,1,-1}\big[m_1,\,m_{\tilde{l}}^{i1},\,m_{\tilde{e}}^{i2}\big]+$$
$$\frac{1}{8}\,c_\gamma\,g_1^3\,y_e^{i1i2}\,LF_{1,1,1,0}\big[m_1,\,m_{\tilde{l}}^{i1},\,\tilde{\mu}\big]-\frac{1}{4}\,c_\gamma\,g_1^3\,y_e^{i1i2}\,LF_{2,1,1,-1}\big[m_1,\,m_{\tilde{l}}^{i1},\,\tilde{\mu}\big]-$$
$$\frac{1}{8}\,m_1\,s_\gamma\,\tilde{\mu}\,g_1^3\,y_e^{i1i2}\,LF_{2,1,1,0}\big[m_1,\,m_{\tilde{l}}^{i1},\,\tilde{\mu}\big]+\frac{1}{8}\,c_\gamma\,g_1^3\,y_e^{i1i2}\,LF_{3,1,1,-2}\big[m_1,\,m_{\tilde{l}}^{i1},\,\tilde{\mu}\big]+$$
$$\frac{1}{8}\,m_1\,s_\gamma\,\tilde{\mu}\,g_1^3\,y_e^{i1i2}\,LF_{3,1,1,-1}\big[m_1,\,m_{\tilde{l}}^{i1},\,\tilde{\mu}\big]-\frac{3}{8}\,c_\gamma\,g_1^3\,y_e^{i1i2}\,LF_{2,2,1,-2}\big[m_1,\,\tilde{\mu},\,m_{\tilde{e}}^{i2}\big]-$$
$$\frac{3}{8}\,m_1\,s_\gamma\,\tilde{\mu}\,g_1^3\,y_e^{i1i2}\,LF_{2,2,1,-1}\big[m_1,\,\tilde{\mu},\,m_{\tilde{e}}^{i2}\big]+\frac{3}{16}\,c_\gamma\,g_1^3\,y_e^{i1i2}\,LF_{2,2,1,-2}\big[m_1,\,\tilde{\mu},\,m_{\tilde{l}}^{i1}\big]+$$
$$\frac{3}{16}\,m_1\,s_\gamma\,\tilde{\mu}\,g_1^3\,y_e^{i1i2}\,LF_{2,2,1,-1}\big[m_1,\,\tilde{\mu},\,m_{\tilde{l}}^{i1}\big]-\frac{3}{8}\,g_1\,c_\gamma\,g_2^2\,y_e^{i1i2}\,LF_{1,1,1,0}\big[m_2,\,m_{\tilde{l}}^{i1},\,\tilde{\mu}\big]+$$
$$\frac{3}{4}\,g_1\,c_\gamma\,g_2^2\,y_e^{i1i2}\,LF_{2,1,1,-1}\big[m_2,\,m_{\tilde{l}}^{i1},\,\tilde{\mu}\big]+\frac{3}{8}\,g_1\,m_2\,s_\gamma\,\tilde{\mu}\,g_2^2\,y_e^{i1i2}\,LF_{2,1,1,0}\big[m_2,\,m_{\tilde{l}}^{i1},\,\tilde{\mu}\big]-$$
$$\frac{3}{8}\,g_1\,c_\gamma\,g_2^2\,y_e^{i1i2}\,LF_{3,1,1,-2}\big[m_2,\,m_{\tilde{l}}^{i1},\,\tilde{\mu}\big]-\frac{3}{8}\,g_1\,m_2\,s_\gamma\,\tilde{\mu}\,g_2^2\,y_e^{i1i2}\,LF_{3,1,1,-1}\big[m_2,\,m_{\tilde{l}}^{i1},\,\tilde{\mu}\big]-$$
$$\frac{9}{16}\,g_1\,c_\gamma\,g_2^2\,y_e^{i1i2}\,LF_{2,2,1,-2}\big[m_2,\,\tilde{\mu},\,m_{\tilde{l}}^{i1}\big]-\frac{9}{16}\,g_1\,m_2\,s_\gamma\,\tilde{\mu}\,g_2^2\,y_e^{i1i2}\,LF_{2,2,1,-1}\big[m_2,\,\tilde{\mu},\,m_{\tilde{l}}^{i1}\big]+$$
$$\frac{3}{4}\,c_\gamma\,g_1^3\,y_e^{i1i2}\,LF_{2,1,1,-1}\big[\tilde{\mu},\,m_1,\,m_{\tilde{e}}^{i2}\big]+\frac{1}{2}\,m_1\,s_\gamma\,\tilde{\mu}\,g_1^3\,y_e^{i1i2}\,LF_{2,1,1,0}\big[\tilde{\mu},\,m_1,\,m_{\tilde{e}}^{i2}\big]-$$
$$\frac{1}{4}\,c_\gamma\,g_1^3\,y_e^{i1i2}\,LF_{3,1,1,-2}\big[\tilde{\mu},\,m_1,\,m_{\tilde{e}}^{i2}\big]-\frac{1}{4}\,m_1\,s_\gamma\,\tilde{\mu}\,g_1^3\,y_e^{i1i2}\,LF_{3,1,1,-1}\big[\tilde{\mu},\,m_1,\,m_{\tilde{e}}^{i2}\big]-$$
$$\frac{3}{8}\,c_\gamma\,g_1^3\,y_e^{i1i2}\,LF_{2,1,1,-1}\big[\tilde{\mu},\,m_1,\,m_{\tilde{l}}^{i1}\big]-\frac{1}{8}\,m_1\,s_\gamma\,\tilde{\mu}\,g_1^3\,y_e^{i1i2}\,LF_{2,1,1,0}\big[\tilde{\mu},\,m_1,\,m_{\tilde{l}}^{i1}\big]+$$
$$\frac{1}{4}\,c_\gamma\,g_1^3\,y_e^{i1i2}\,LF_{3,1,1,-2}\big[\tilde{\mu},\,m_1,\,m_{\tilde{l}}^{i1}\big]+\frac{1}{4}\,m_1\,s_\gamma\,\tilde{\mu}\,g_1^3\,y_e^{i1i2}\,LF_{3,1,1,-1}\big[\tilde{\mu},\,m_1,\,m_{\tilde{l}}^{i1}\big]+$$
$$\frac{9}{8}\,g_1\,c_\gamma\,g_2^2\,y_e^{i1i2}\,LF_{2,1,1,-1}\big[\tilde{\mu},\,m_2,\,m_{\tilde{l}}^{i1}\big]+\frac{3}{8}\,g_1\,m_2\,s_\gamma\,\tilde{\mu}\,g_2^2\,y_e^{i1i2}\,LF_{2,1,1,0}\big[\tilde{\mu},\,m_2,\,m_{\tilde{l}}^{i1}\big]-$$
$$\frac{3}{4}\,g_1\,c_\gamma\,g_2^2\,y_e^{i1i2}\,LF_{3,1,1,-2}\big[\tilde{\mu},\,m_2,\,m_{\tilde{l}}^{i1}\big]-\frac{3}{4}\,g_1\,m_2\,s_\gamma\,\tilde{\mu}\,g_2^2\,y_e^{i1i2}\,LF_{3,1,1,-1}\big[\tilde{\mu},\,m_2,\,m_{\tilde{l}}^{i1}\big]\Big)$$