

$$\mathcal{L}^{27} = \frac{g^{27}}{2f} \left[4 \bar{P}_{ijk} \epsilon^{lbk} \phi_l^i \phi_a^j B_b^a - \frac{4}{5} \bar{P}_{ijk} \epsilon^{lbk} \phi_l^a \phi_a^j B_b^i \right] + h.c.$$