- Mass matrix elements:

$$\begin{array}{lll} R_{h1} = s_{\beta\alpha}, & R_{h2} = c_{\beta\alpha}, & R_{h3} = 0, \\ R_{H1} = c_{\beta\alpha}, & R_{H2} = -s_{\beta\alpha}, & R_{H3} = 0, \\ R_{A1} = 0, & R_{A2} = 0, & R_{A3} = 1, \end{array}$$

- Higgs-fermion couplings:

$$\begin{array}{lcc} & u & d, l \\ h^0: & s_{\beta\alpha} + \frac{c_{\beta\alpha}}{t_\beta} & s_{\beta\alpha} - c_{\beta\alpha} t_\beta \\ H^0: & c_{\beta\alpha} - \frac{s_{\beta\alpha}}{t_\beta} & c_{\beta\alpha} + s_{\beta\alpha} t_\beta \\ A^0: & \frac{-i}{t_\beta} & -i t_\beta \end{array}$$