| u up | c | $t \over top$ | γ $photon$ | Higgs |
|--|---|--------------------------------|---|-------|
| $d \over down$ | strange | b | $egin{pmatrix} g \ gluon \end{pmatrix}$ | |
| $ \begin{array}{c} \nu_e \\ e-neutrino \end{array} $ | $ \begin{array}{c} \nu_{\mu} \\ \mu\text{-neutrino} \end{array} $ | $ u_{\tau} $ $ \tau$ -neutrino | $egin{array}{c} Z \ Z \ boson \end{array}$ | |
| electron | μ $muon$ | τ tau | $egin{pmatrix} g \ W \ boson \end{pmatrix}$ | |