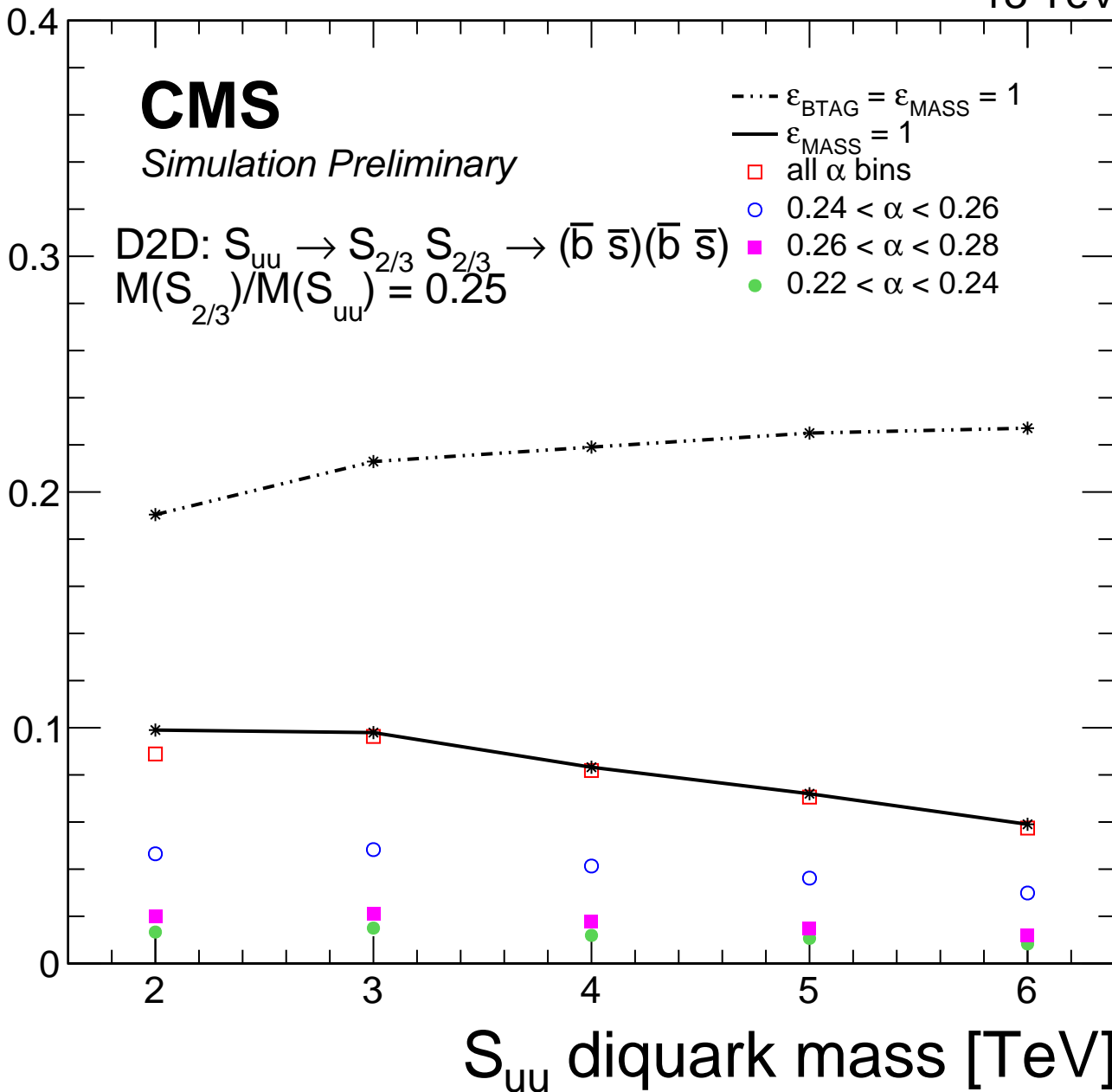


CMS*Simulation Preliminary*

D2D: $S_{uu} \rightarrow S_{2/3} S_{2/3} \rightarrow (\bar{b} \bar{s})(\bar{b} \bar{s})$
 $M(S_{2/3})/M(S_{uu}) = 0.25$

- $\epsilon_{\text{BTAG}} = \epsilon_{\text{MASS}} = 1$
- $\epsilon_{\text{MASS}} = 1$
- all α bins
- $0.24 < \alpha < 0.26$
- $0.26 < \alpha < 0.28$
- $0.22 < \alpha < 0.24$

A $\epsilon_{\text{BTAG}} \epsilon_{\text{MASS}}$  S_{uu} diquark mass [TeV]