

13 TeV

CMS

Simulation

Diquark: $S \rightarrow \chi\chi \rightarrow (ug)(ug)$

— $M(S) = 2, M(\chi) = 0.5$ TeV

— $M(S) = 4, M(\chi) = 1$ TeV

— $M(S) = 6, M(\chi) = 1.5$ TeV

— $M(S) = 8, M(\chi) = 2$ TeV

— $M(S) = 10, M(\chi) = 2.5$ TeV

$0.24 < \alpha < 0.26$

