

(13 TeV)

Normalized yield/TeV

CMS

Simulation

$uu \rightarrow S_{uu} \rightarrow \chi\chi \rightarrow (ug)(ug)$

$M_\chi / M_S = 0.25$

$M_S = 2 \text{ TeV}$

$M_S = 5 \text{ TeV}$

$M_S = 8.6 \text{ TeV}$

All α bins
($\alpha > 0.1$)

3

2.5

2

1.5

1

0.5

1

2

3

4

5

6

7

8

9

Four-jet mass [TeV]

- $\Gamma / M_S = 1.5\%$
- $\Gamma / M_S = 5\%$
- $\Gamma / M_S = 10\%$

