

138 fb<sup>-1</sup> (13 TeV)

**CMS**

*Supplementary*

$0.20 < \alpha < 0.22$

• Data

— LO QCD MC

⋯ PowExp-3p fit

— ModDijet-3p fit

- - - Dijet-3p fit

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

—  $M(S) = 8.6$  TeV

- - -  $M(S) = 5.0$  TeV

⋯  $M(S) = 2.0$  TeV

$M(\chi)/M(S) = 0.25$

$\frac{(\text{Data-Fit})}{\text{Uncertainty}}$

Four-jet mass [TeV]

