

138 fb⁻¹ (13 TeV)

CMS

Supplementary

$0.16 < \alpha < 0.18$

• 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]

