

138 fb⁻¹ (13 TeV)

CMS

$Y \rightarrow XX \rightarrow (jj)(jj)$

95% CL limits

—●— Observed

— Expected ± 1 s.d.

— Expected ± 2 s.d.

$M(X) / M(Y) = 0.25$

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

$y_{uu} = 0.4, y_{\chi} = 0.6$

$\sigma \times B \times A$ [pb]

