

Events / 110 GeV

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

**CMS**

*Preliminary*

$pp \rightarrow X \rightarrow HH \rightarrow b\bar{b}b\bar{b}$   
DBT\_LL tag category

68% CL

95% CL

• Data

— Background model

— Alternative background model

--- G<sub>Bulk</sub>,  $\sigma(M_X=1.6 \text{ TeV}) = 20 \text{ fb}$

10

1

1000

1500

2000

2500

3000

3500

4000

4500

$M_{jj}^{\text{red}}$  (GeV)

