

$X \rightarrow Zh \rightarrow \mu\mu b\bar{b}$ RunII, 137.2 fb⁻¹ (13 TeV) $\sigma(Z') B(Z' \rightarrow Zh) \text{ (fb)}$ **CMS***Preliminary***2 μ , b tag, no VBF**

95% CL upper limits

— Observed

- - - Expected

■ ± 1 std. deviation■ ± 2 std. deviation

▨ HVT model A

▨ HVT model B

0.01

0.02

0.1

0.2

1

2

10

20

100

200

1000

2000

1000 1500 2000 2500 3000 3500 4000 4500 5000

 $m_{Z'} \text{ (GeV)}$ 