

$N - 1$ in signal region

13 TeV

CMS *Preliminary*

CA15

 $pp \rightarrow Z' \rightarrow A_0(\chi\chi)H(b\bar{b})$ $M_{A_0} = 300 \text{ GeV}, M_\chi = 100 \text{ GeV}$

Arbitrary units

0.20

0.15

0.10

0.05

0.00

- 1.0 TeV
- 1.0 TeV, corr.
- 1.7 TeV
- 1.7 TeV, corr.
- 2.5 TeV
- 2.5 TeV, corr.

 $M_{SD} \text{ (GeV)}$

200

175

150

125

100

75

50

25

0