

$A \rightarrow Zh \rightarrow ll b\bar{b}$

$L = 19.7 \text{ fb}^{-1}$ (8 TeV)

$\tan\beta$

CMS

Unpublished

10

95% CL limits

— Observed

/\hbar Excluded region

- - - Expected

— Expected $\pm 1\sigma$

— Expected $\pm 2\sigma$

Type-II 2HDM

$m_A = 300 \text{ GeV}$

10^{-1}

-1

-0.5

0

0.5

1

$\cos(\beta-\alpha)$