

# 2HDM type-II, $m_A = m_H = 300$ GeV

95% CL Excluded:

Observed  $\pm 1\sigma$  Expected

Expected  $\pm 2\sigma$  Expected

$A \rightarrow Zh \rightarrow l\tau\tau$

19.7 fb<sup>-1</sup> (8 TeV)

$\tan\beta$

10

**CMS**

*Unpublished*

9

8

7

6

5

4

3

2

1

-1.0

-0.5

0.0

0.5

1.0

$\cos(\beta-\alpha)$

