

$X \rightarrow VZ \rightarrow qq\nu\nu$ $35.9 \text{ fb}^{-1} \text{ (13 TeV)}$

Events

CMS
*Preliminary**0l channel, low purity, signal region*

7000

6000

5000

4000

3000

2000

1000

0

—■— Data

Z($\nu\nu$) + jets PtW($l\nu$) + jets Pt $t\bar{t}$ Single- t

VV

MC stat.

 $m_G = 2 \text{ TeV } (\sigma=1 \text{ pb})$ $m_W = 3 \text{ TeV } (\sigma=1 \text{ pb})$

Data / Bkg

Data/Bkg = 1.040 ± 0.010 $\chi^2/\text{ndf} = 4.12, \text{ K-S} = 0.000$

2

1.5

1

0.5

0

puppi τ_2 / τ_1

1

0.9

0.8

0.7

0.6

0.5

0.4

0.3

0.2

0.1

0