

**CMS***Preliminary****2e, VBF, sidebands region***

600

500

400

300

200

100

0

● Data

■ Z(l $\bar{l}$ ) + jets■ Z( $\nu\nu$ ) + jets■ W(l $\bar{\nu}$ ) + jets■  $t\bar{t}$ 

■ t+X

■ VV, Vh

■ MC stat.

▨  $m_{Z'} = 1000$  GeV▨  $m_{Z'} = 2000$  GeV▨  $m_{Z'} = 3000$  GeV

HVT model B (x1)

2

1.5

1

0.5

0

Data/Bkg =  $0.792 \pm 0.027$  $\chi^2/\text{ndf} = 0.90$ , K-S = 0.229

AK8 jet neutral hadron fraction

