

Events

CMS Preliminary

SR2b blinded

3000

2500

2000

1500

1000

500

QCD

Top

WJets

Rest

data

TotalSignal×300

H^{4q}(6.7%)H^{3q}(2.2%)

W(5.7%)

top(0.5%)

Z(0.2%)

H^{lqq}(74.6%)

g/q(1.3%)

rest(8.9%)

Data

 $\frac{\text{bkg MC}}{\text{MC}}$

2

1

0

 $\frac{S}{\sqrt{B+1}}$

0.1

0.0

 $\leftarrow S/\sqrt{B+1}=0.218$ jet_a : soft – drop Mass