

137.0 fb<sup>-1</sup> (13 TeV)

Events/Bin

$\times 10^3$

**CMS**

$\mu\tau_e$ , 2 jets VBF

Observed

$Z \rightarrow ee/\mu\mu$

EWKW/Z

W+Jets/QCD

$H \rightarrow \mu\tau$  (B=20%)

$Z \rightarrow \tau\tau$

$t\bar{t}, t+\text{jets}$

Diboson

SM Higgs

Bkg. unc.

3

2.5

2

1.5

1

0.5

0

Obs./Exp.

1.2

1.1

1.0

0.9

0.8

-0.4

-0.2

0

0.2

BDT Discriminator

