

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

Events/bin

$\times 10^3$

**CMS** Preliminary

$\mu\tau_e$

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.

35

30

25

20

15

10

5

0

Obs./Exp.

1.5

1

0.5

0

100

200

$M_{\text{col}}$  [GeV]

