

CMS Preliminary

$\sqrt{s}=7\text{TeV}$, $L=5.0\text{ fb}^{-1}$

Events/10 GeV/c

$M(\mu\mu) \in [110, 160]\text{ GeV}/c^2$

Higgs $\times 1000$

2-Jet Preselection

Analysis A

DY+Jets

$t\bar{t}$

VV

GF $H \rightarrow \mu\mu$

VBF $H \rightarrow \mu\mu$

● CMS Data 2011

140

120

100

80

60

40

20

$\frac{\text{Data-MC}}{\sigma_{\text{MC}}}$

4

3

2

1

0

-1

-2

-3

-4

$\chi^2/\text{NDF}: 1$
 $\chi^2 \text{ Prob: } 0.451$

0

50

100

150

200

$p_T(\mu\mu) [\text{GeV}/c]$

