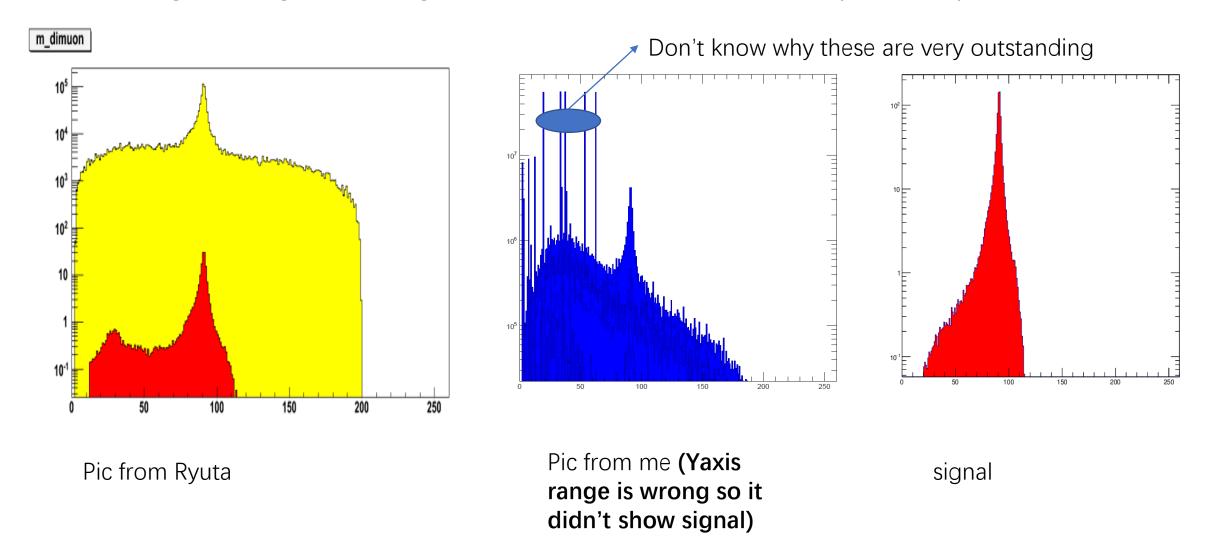
Weely Report

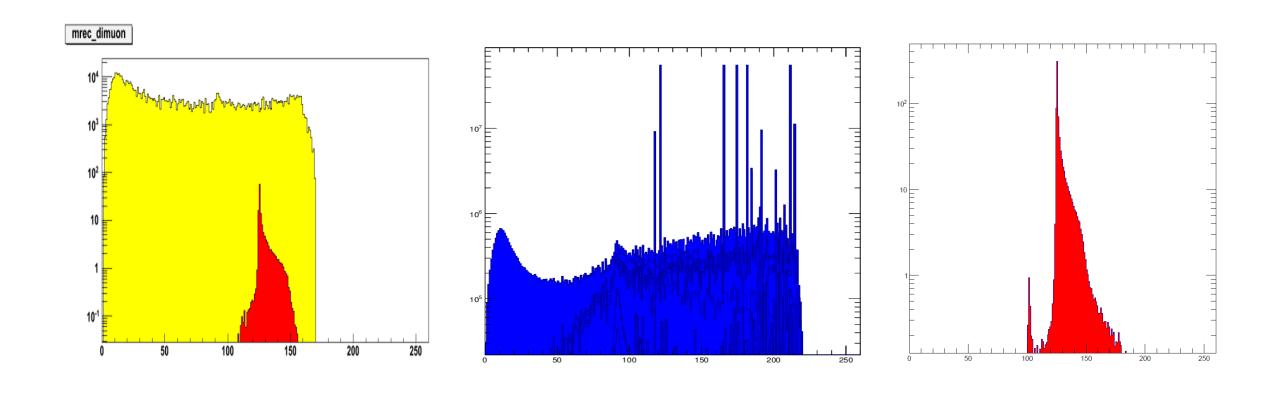
Kong Lingteng

Backgroung and signal on m_dimuon_raw(no cut)



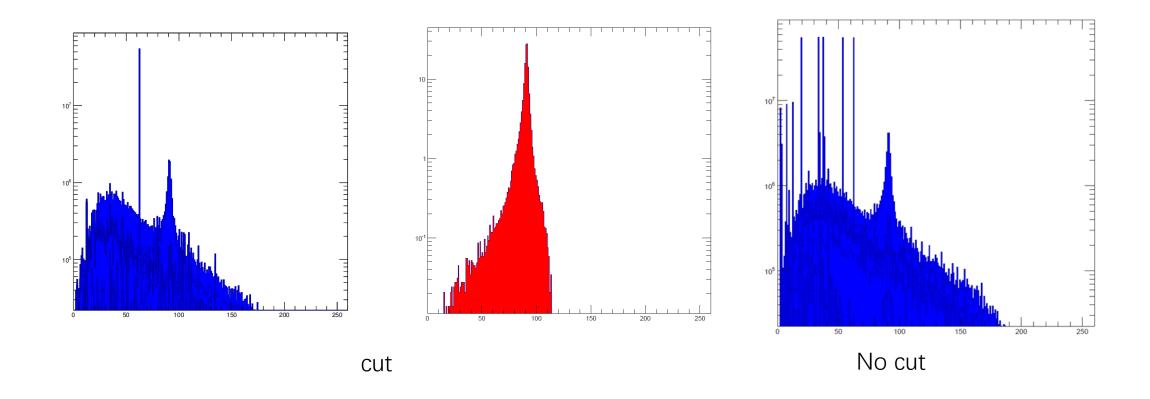
According to the pic, we use cut: 80 < M(dimuon) < 100

Backgroung and signal on mrec_dimuon_raw(no cut)



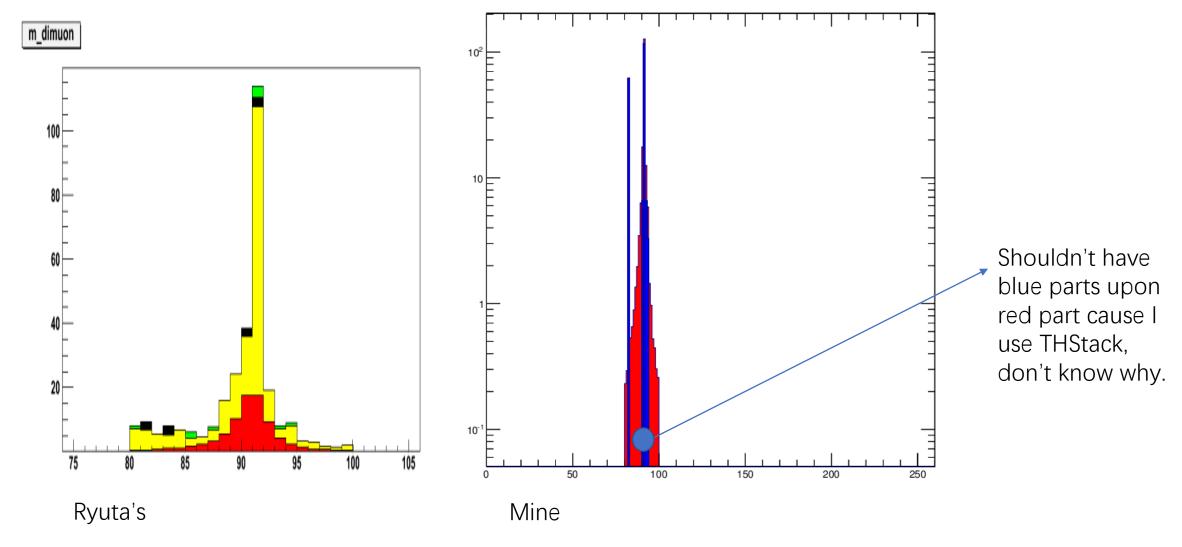
According to the pic, we use cut: 120 < RecM(dimuon) < 160

First cut: Missing mass> M(di-jets), select uuH->uuvvjj



Almost the same shape with no cut

Final cut



Differences may because my samples are not complete, maybe run again

Cut table

Missing mass> M(di-jets)

80 < M(dimuon) < 100

120 < RecM(dimuon) < 160

N(pfo) > 15

Pt(total visible) > 15

Min angle > 0.3

Missing Mass & M(dijets)

The codes I write

```
exec ("sample%s = ROOT.TFile('./run/bg/hist' +
exec ("h%s=sample%s.Get('hevtflw_sel')"%(i,i))
exec ("event_ana = h%s.GetBinContent(1)"%i)
if event_ana != 0:
    sc = event_exp / event_ana
    exec ("tem%s=sample%s.Get(pic)"%(i,i))
    exec ("a%s=conv.conv(tem%s)"%(i,i))
    exec ("a%s=conv.conv(tem%s)"%(i,i))
    exec ("event_tem: str i)
    exec ("event_tem=a%s.GetBinContent(1)"%i)
    exec ("a%s.SetFillColor(ROOT.kBlue)"%i)
    print (sc)
    exec ("hc.Add(a%s)"%i)
```

```
For: hc = THStack("hc","signal_bg")
...
hc.Add(h)
If I use the same h in loop, output will be
blank, so I use exec ("h%s"...)%i to change h in
the loop, I think it should be easier ways.
```

Also, I didn't find proper way to set y range so the signal can't be seen in my plots