

Inclusive Jet @ 500 GeV

Kt jet clustering , R=1.2. Reconstruct Z as a single jet

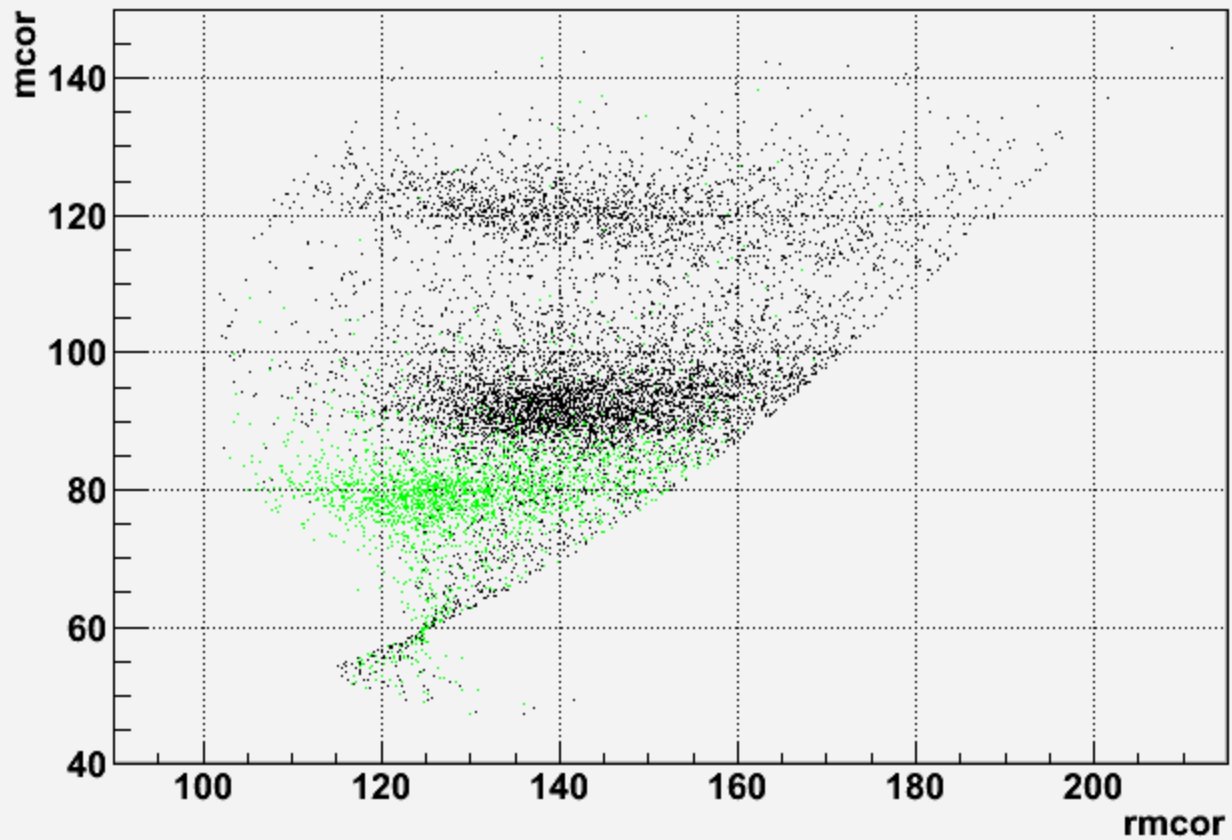
Selection :

- $M_{jet} > 70 \text{ GeV} \ \& \ M_{jet} < 150 \text{ GeV}$
- $E_{jet} < 300 \text{ GeV} \ \& \ E_{jet} > 210 \text{ GeV}$
- $M_{corr} > 87 \text{ GeV} \ \& \ M_{cor} < 105 \text{ GeV}$ (Mass- Energy systematic correction)
- $E_{gmax} < 100 \text{ GeV}$
- $N_{particle} > 20$
- $|\cos\Theta_{jet}| < 0.7$
- $P_{tjet} > 50 \text{ GeV}$
- Recoil mass : 100 to 210 GeV

Results with eL80.pR30, 500 fb⁻¹, 500 GeV

$S/N=11113/175437$, $\sqrt{(S+N)}/S=0.0389$

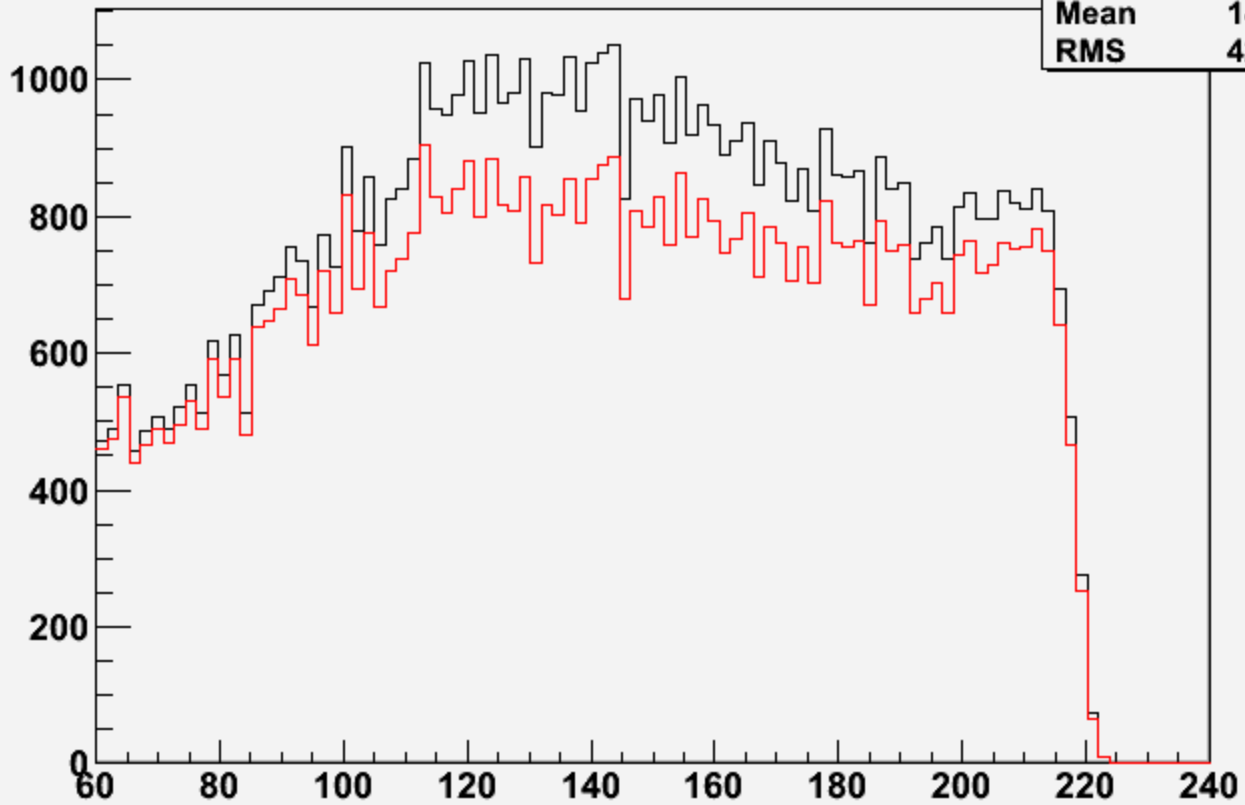
$N=1\sim 6f$, vvh/zh



rm (ngj==1&&m>70&&e<300&&m<150&&e>210&&mcors>87&&mcors<105&&egmax<100&&np>20&&abs(cs)<0.7&&kt2>25000)

qqh.eL.pR

Entries	19555
Mean	143.4
RMS	42.43



rm (ngj==1&m>70&e<300&m<150&e>210&mcor>87&mcor<105&egmax<100&np>20&abs(cs)<0.7&t2>25000)

qqh.eL.pR

Entries 19555

Mean 144.6

RMS 43.31

