Gen Met Vs Reco MET I

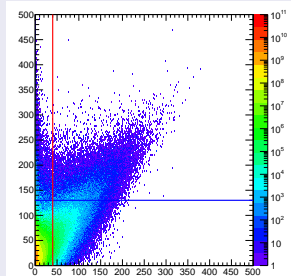**MC Filter: Vectorial sum of neutrino E_T**

- $\sum E_\perp(\vec{\nu}) > 40 \; GeV$

MC Filter: Dijet Filter

- Select jets with:
  - $p_\perp > 20 \; GeV$
  - $|\eta| < 5.0$
- From selected jets at least one pair with:
  - $m_{jj} > 700 \; GeV$
  - $\Delta\eta > 3.2$

QCD Inc 80-600 GeV

There 2 distict population events: real and fake met.

Sample	Ev. Gen.	Filter Eff.	Events	XS [pb]	Eq. Lumi. [fb⁻¹]
QCD-Pt-80to120	39376000000	0.000049	1614416	1033680	38.09
QCD-Pt-120to170	7000000000	0.000283	2051000	156293.3	44.79
QCD-Pt-170to300	1375000000	0.000987	1391500	34138.15	40.28
QCD-Pt-300to470	80000000	0.002659	207840	1759.549	45.47
QCD-Pt-470to600	25000000	0.004127	104675	113.8791	219.53