Boosted W→lν
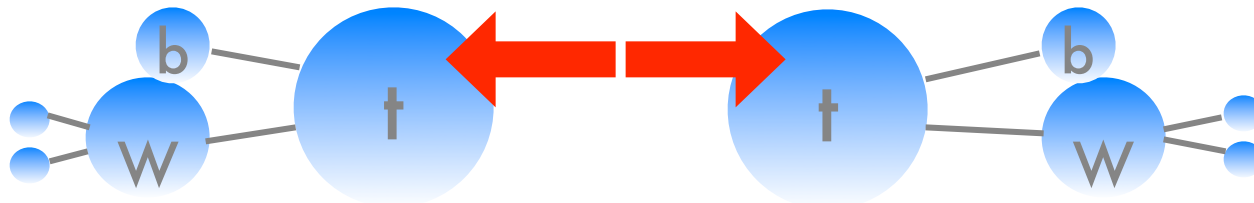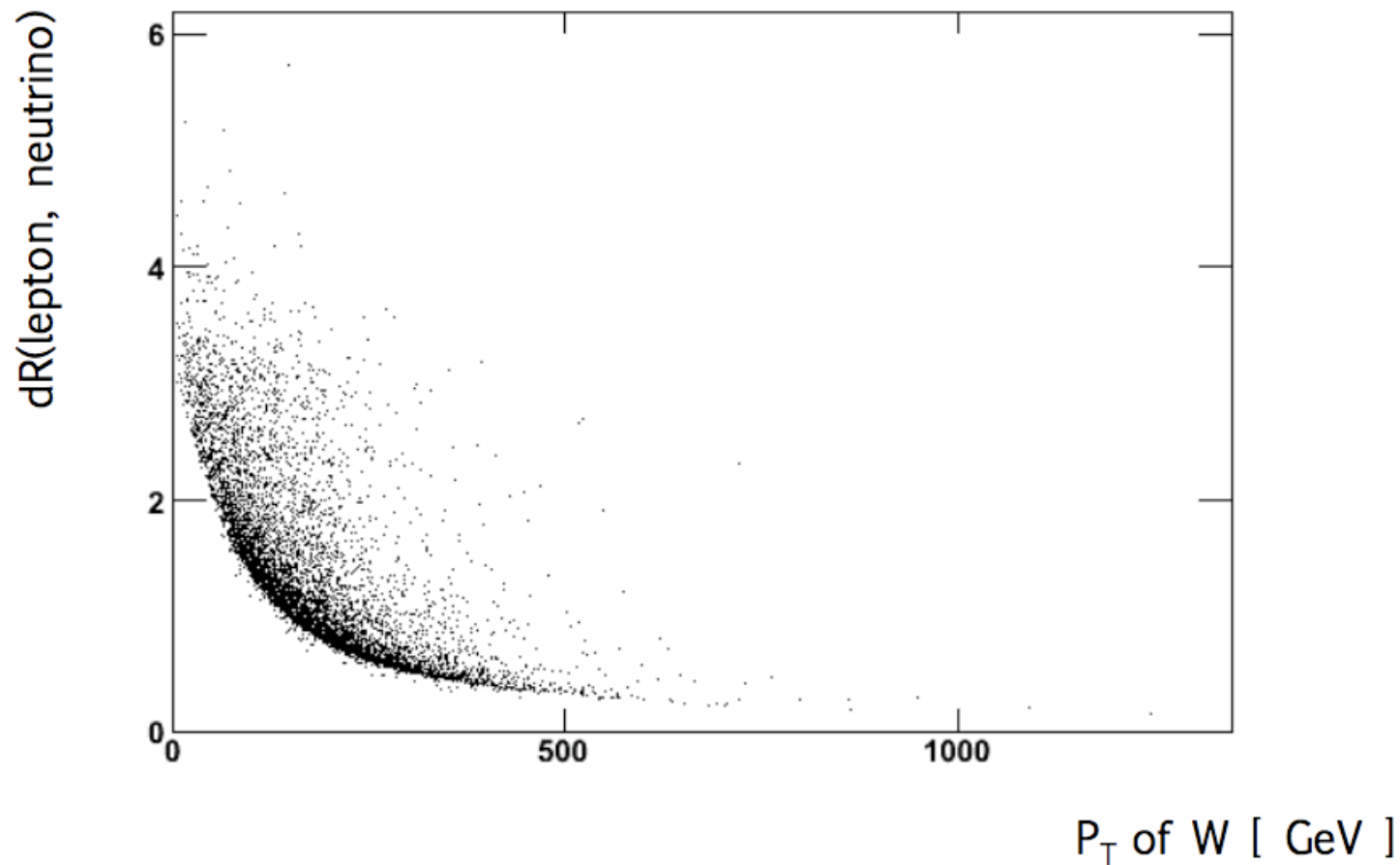
topology

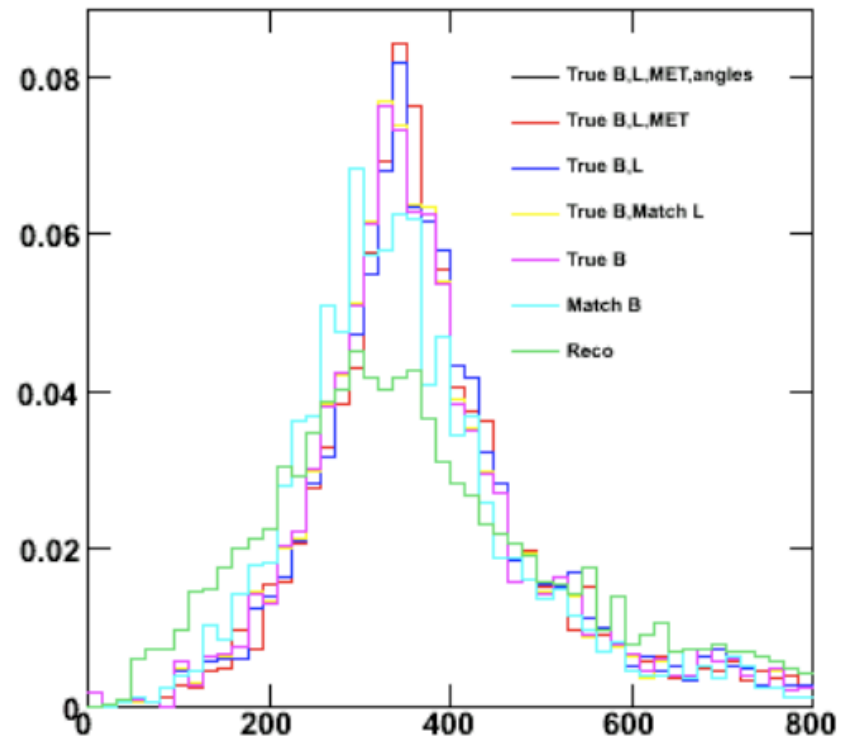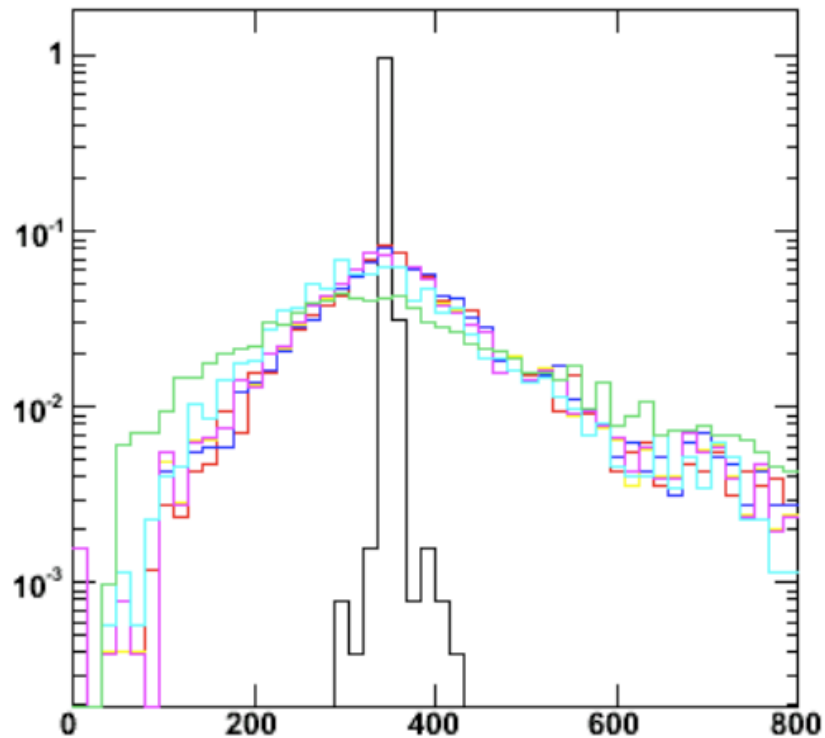Boosted tops

topology
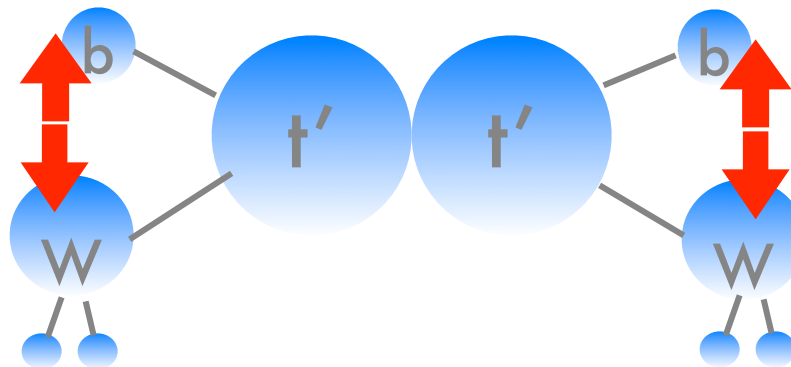
Boosted Ws!

Collinear approx

Assume lepton and neutrino are collinear

Mass peak

Legend:
- True B,L,MET,angles
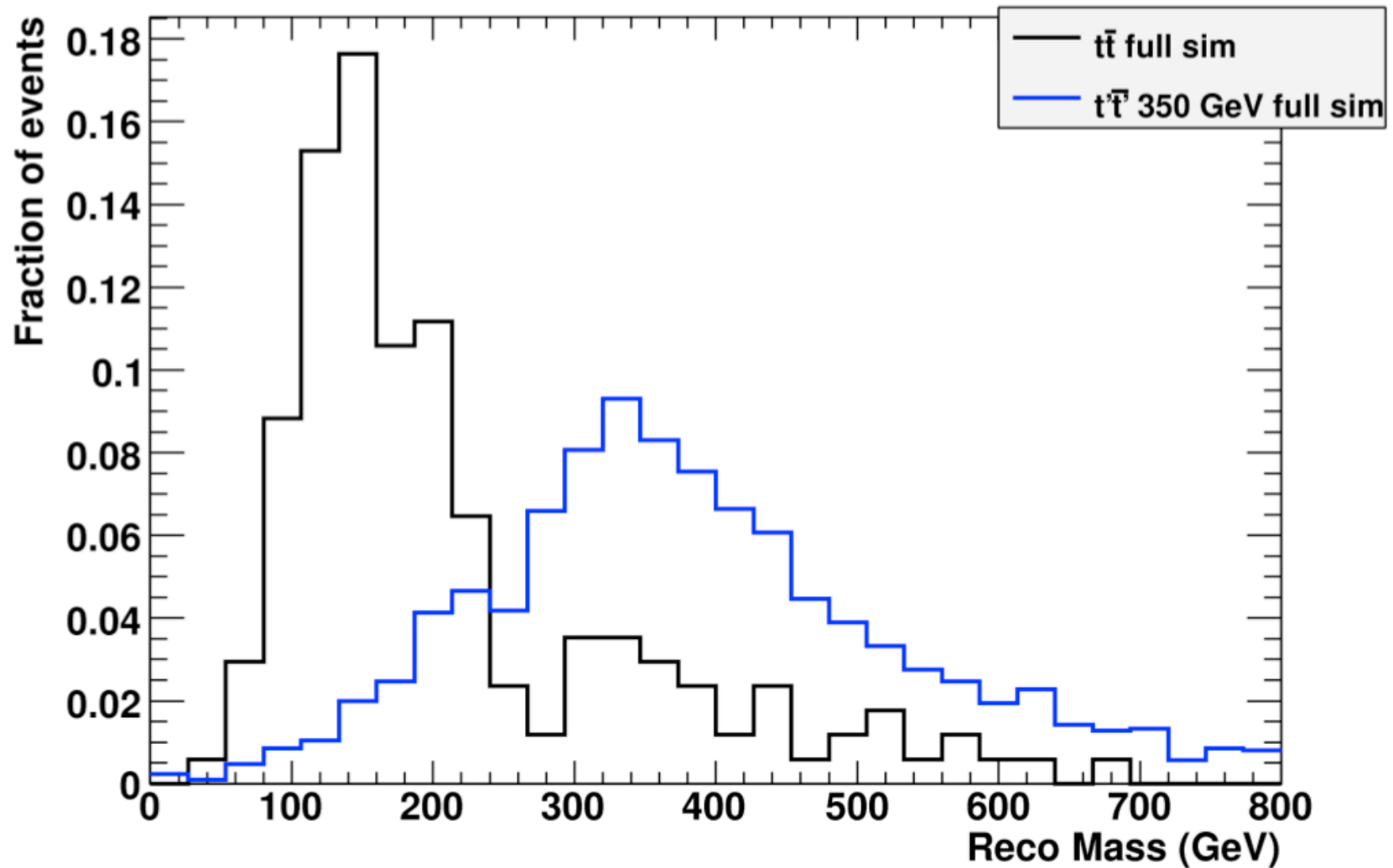- True B,L,MET
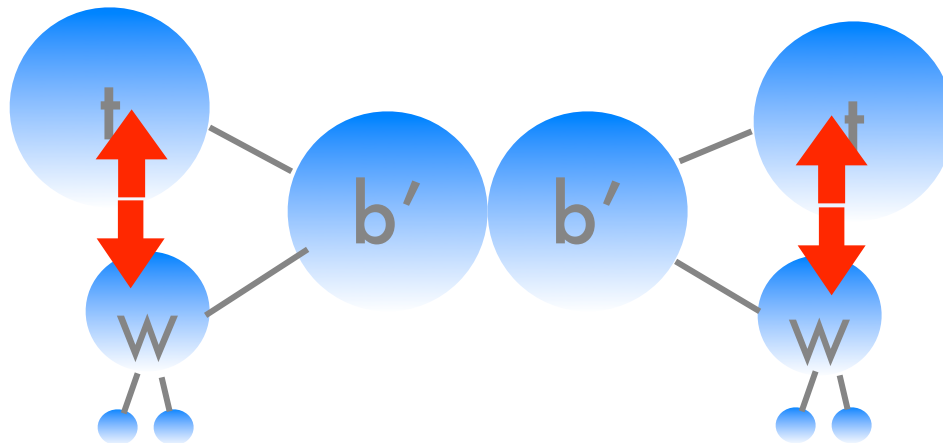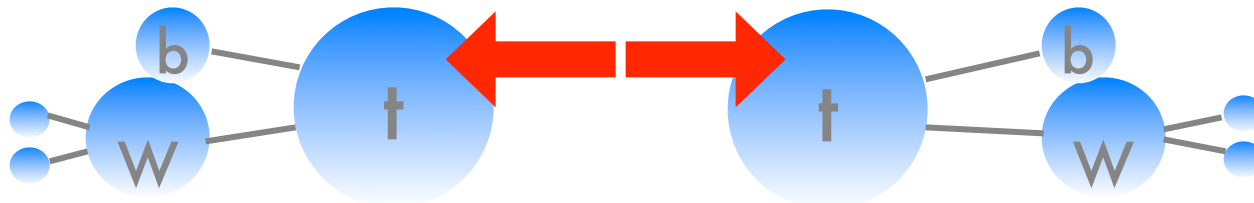- True B,L
- True B,Match L
- True B
- Match B
- Reco

Mass width from

- imperfect neutrino angles
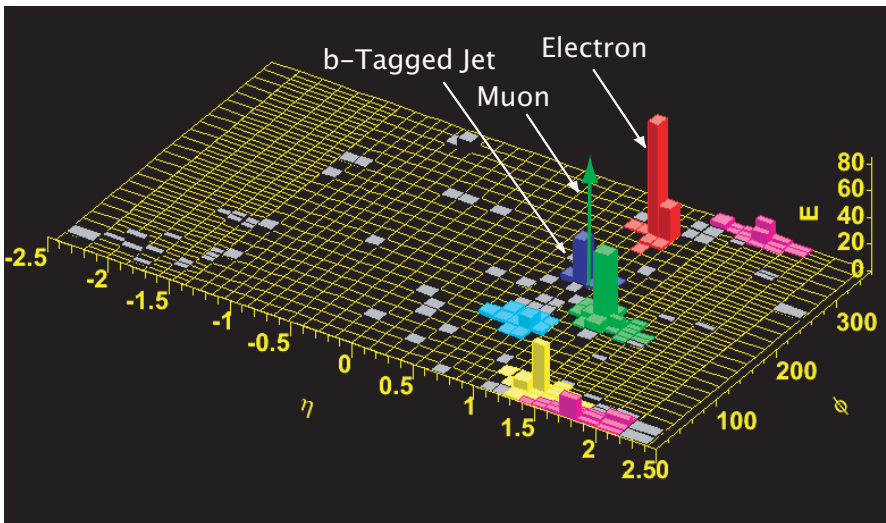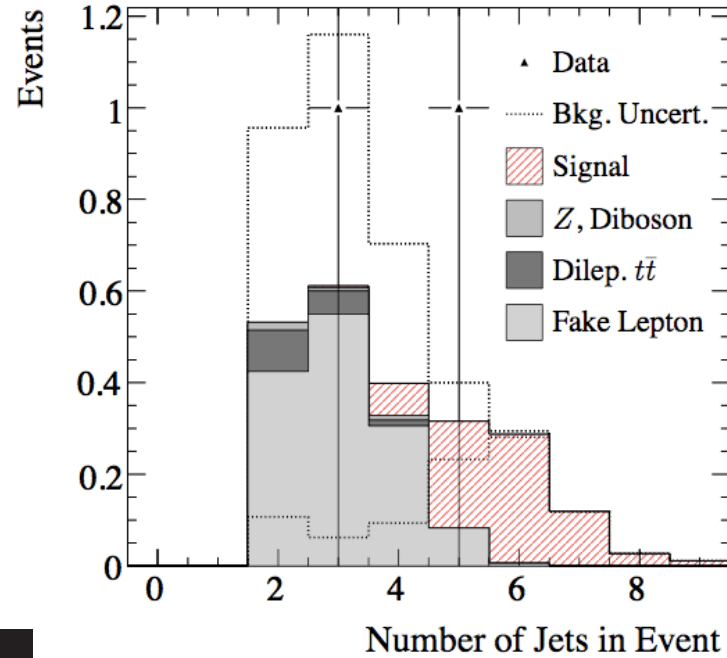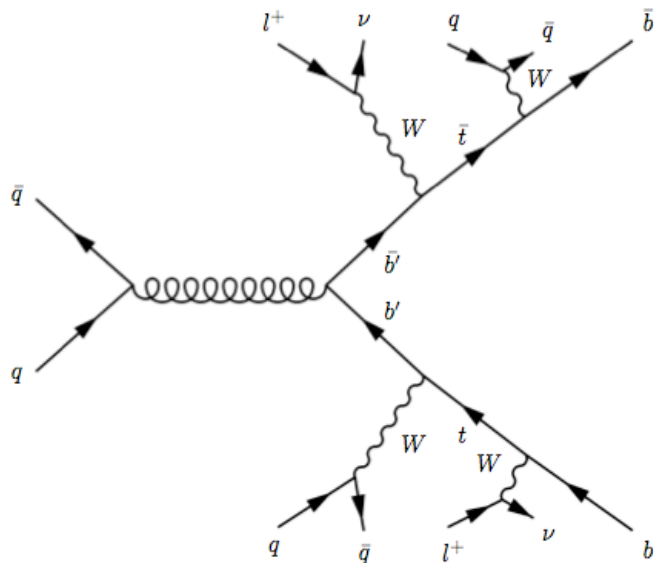- imperfect jet assignments
- imperfect jet resolutio

t′ vs background

topology

Boosted Ws!

b'

Limit

$m_{b'} > 338$ GeV