# Z pT



Z→ee



Z→μμ

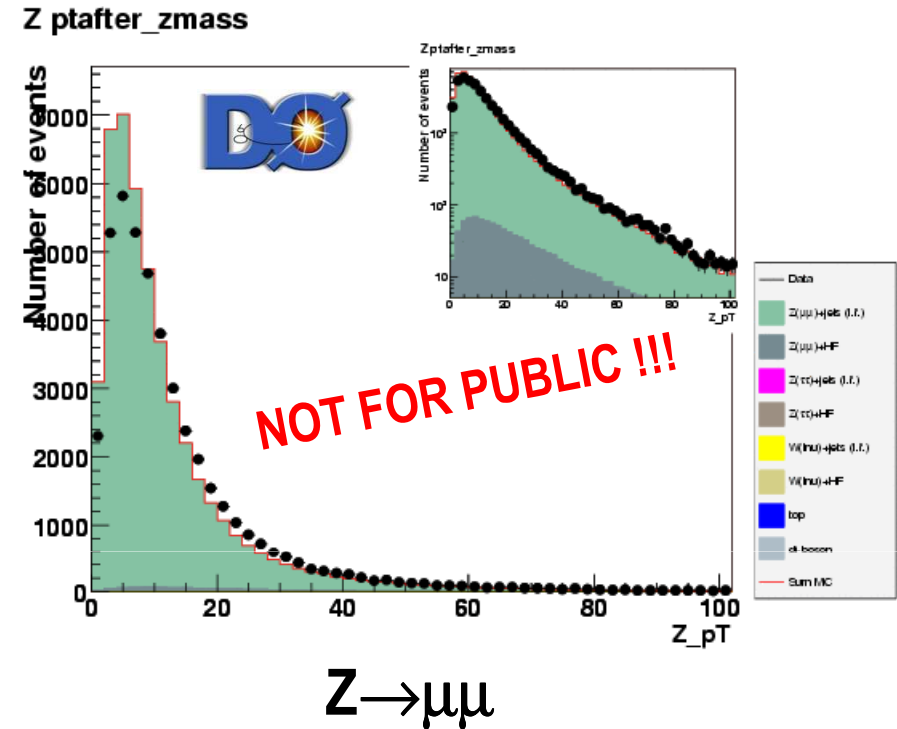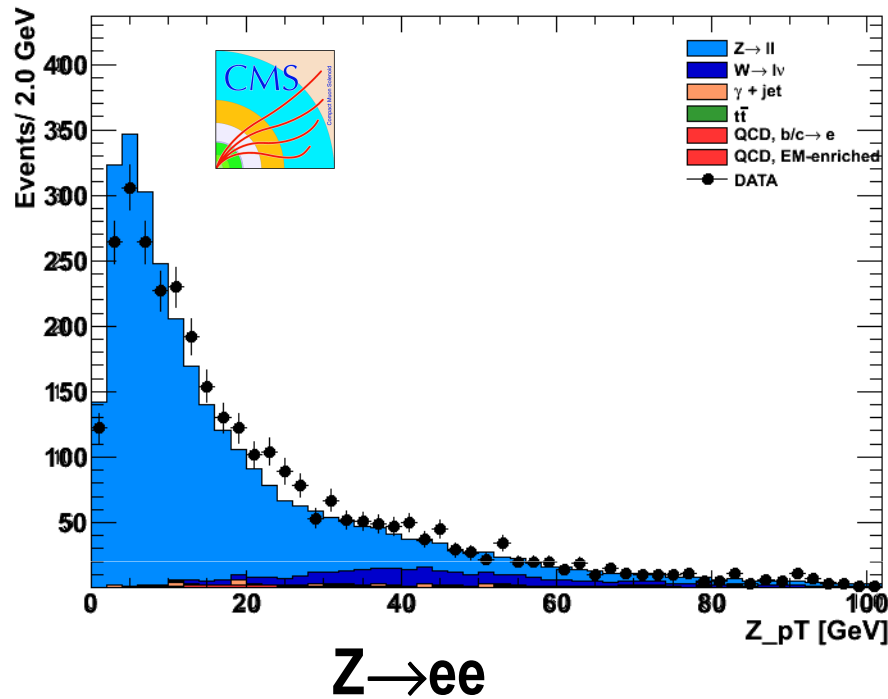➢ **Simulation of Z:**
- ▪ CMS: Madgraph (+Pythia)
- ▪ D0: Alpgen (+Pythia)
    - ▪ in D0, was getting worse as a function of jet multiplicity… have to check in CMS !

➢ Bad simulation of Z_pT affects jet multiplicity, jet pT's, MET, etc…

➢ Always saw good agreement in VBTF: they use POWHEG (NLO matrix element + Pythia)