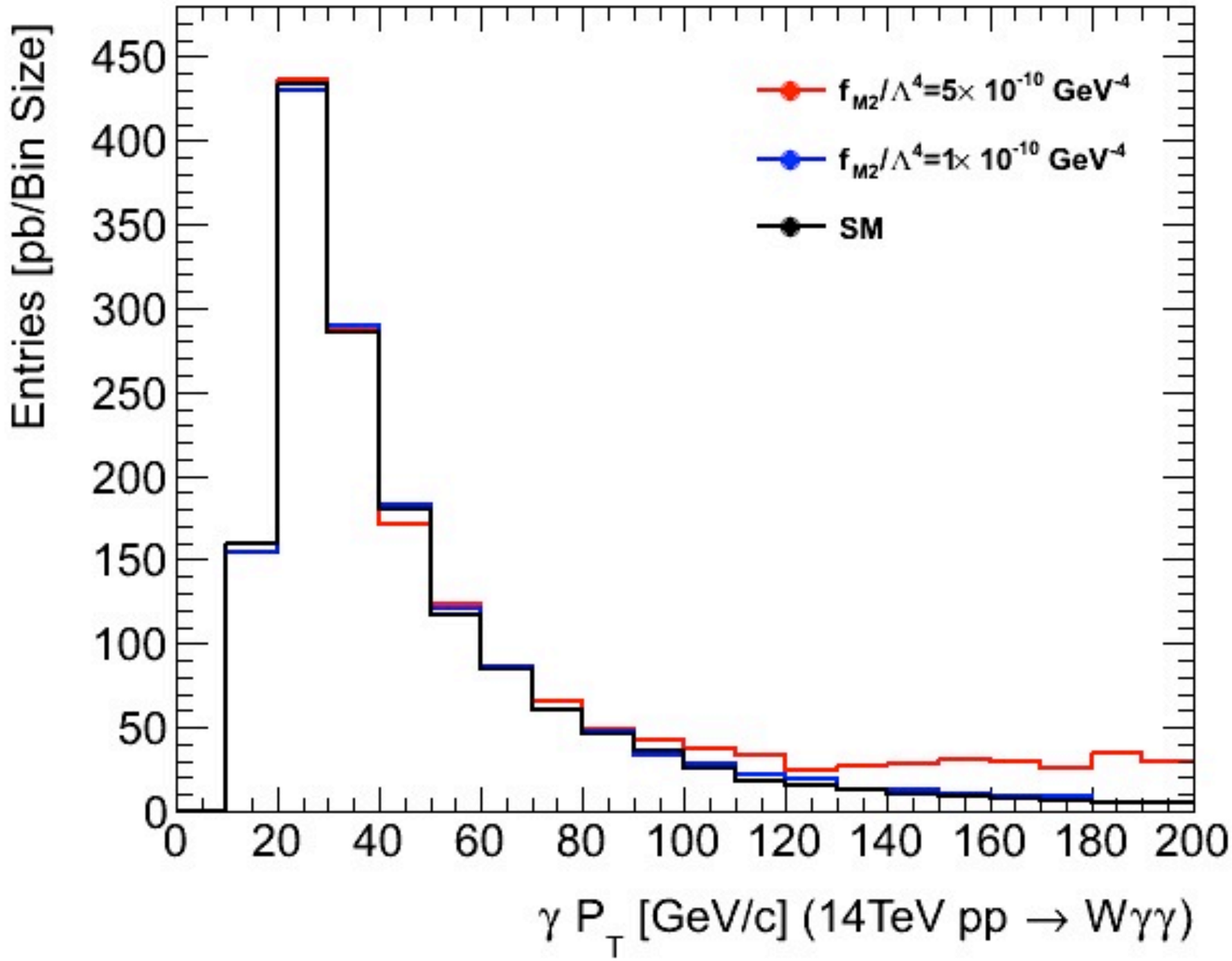
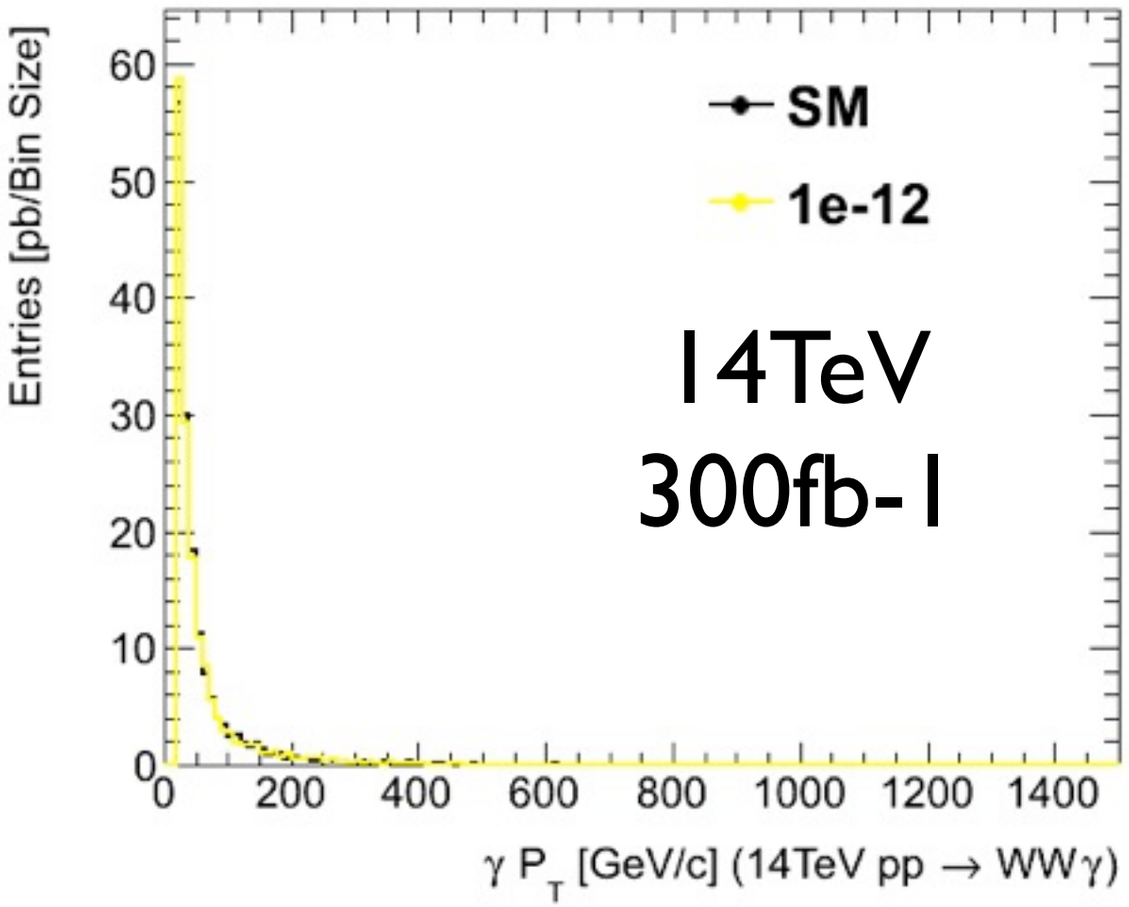
Photon in WAA

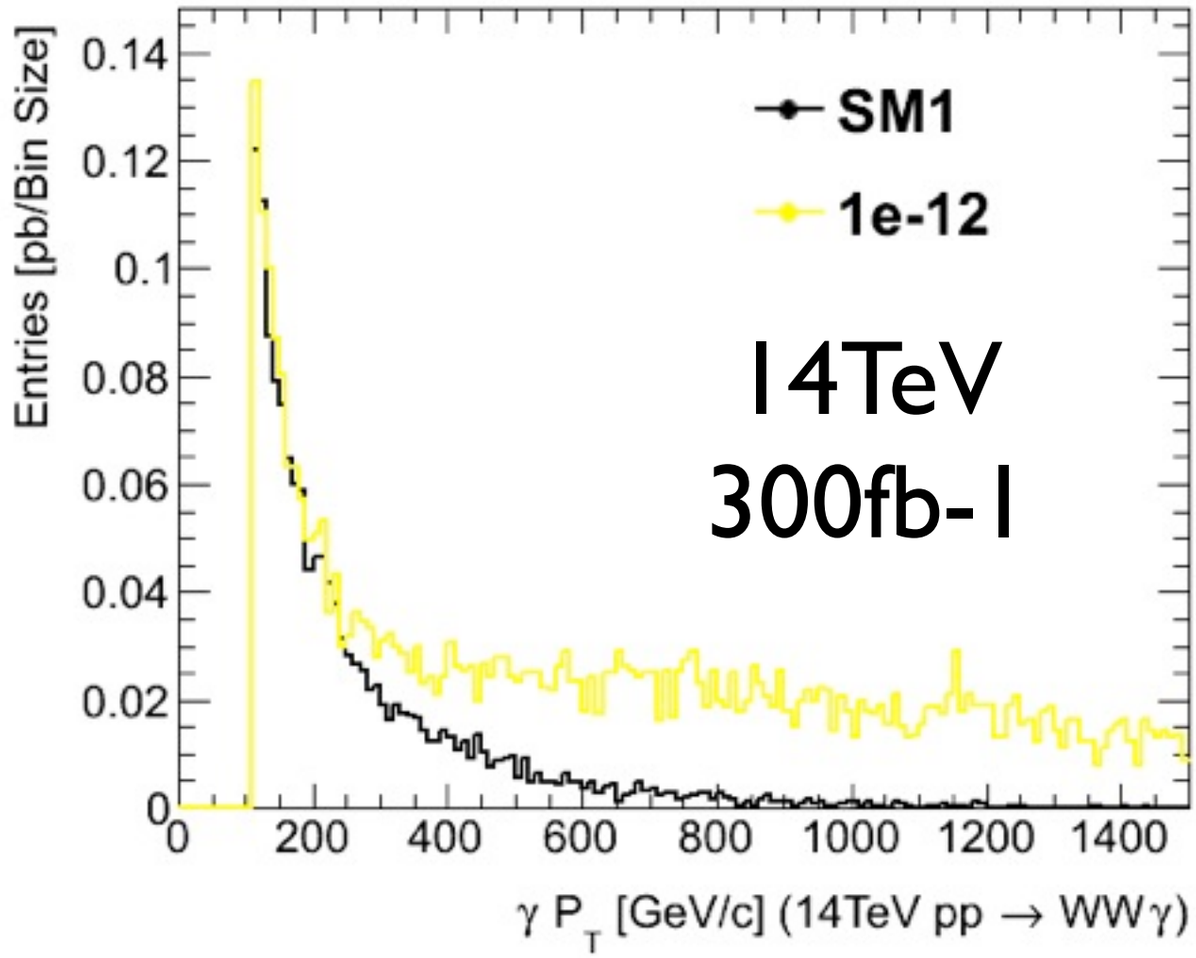


WAA

Photon/Muon pT>25 GeV
Photon/Muon |eta|<2
MET>50GeV

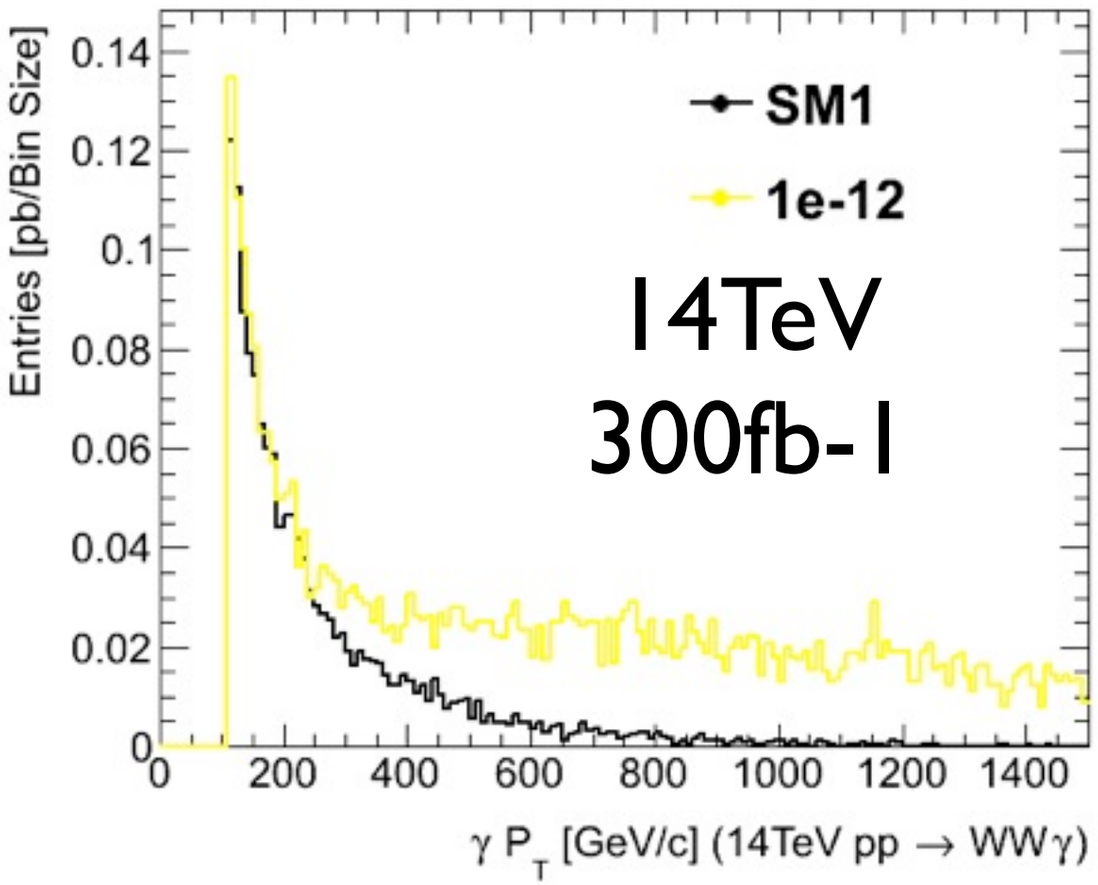


Photon/Muon pT>150 GeV

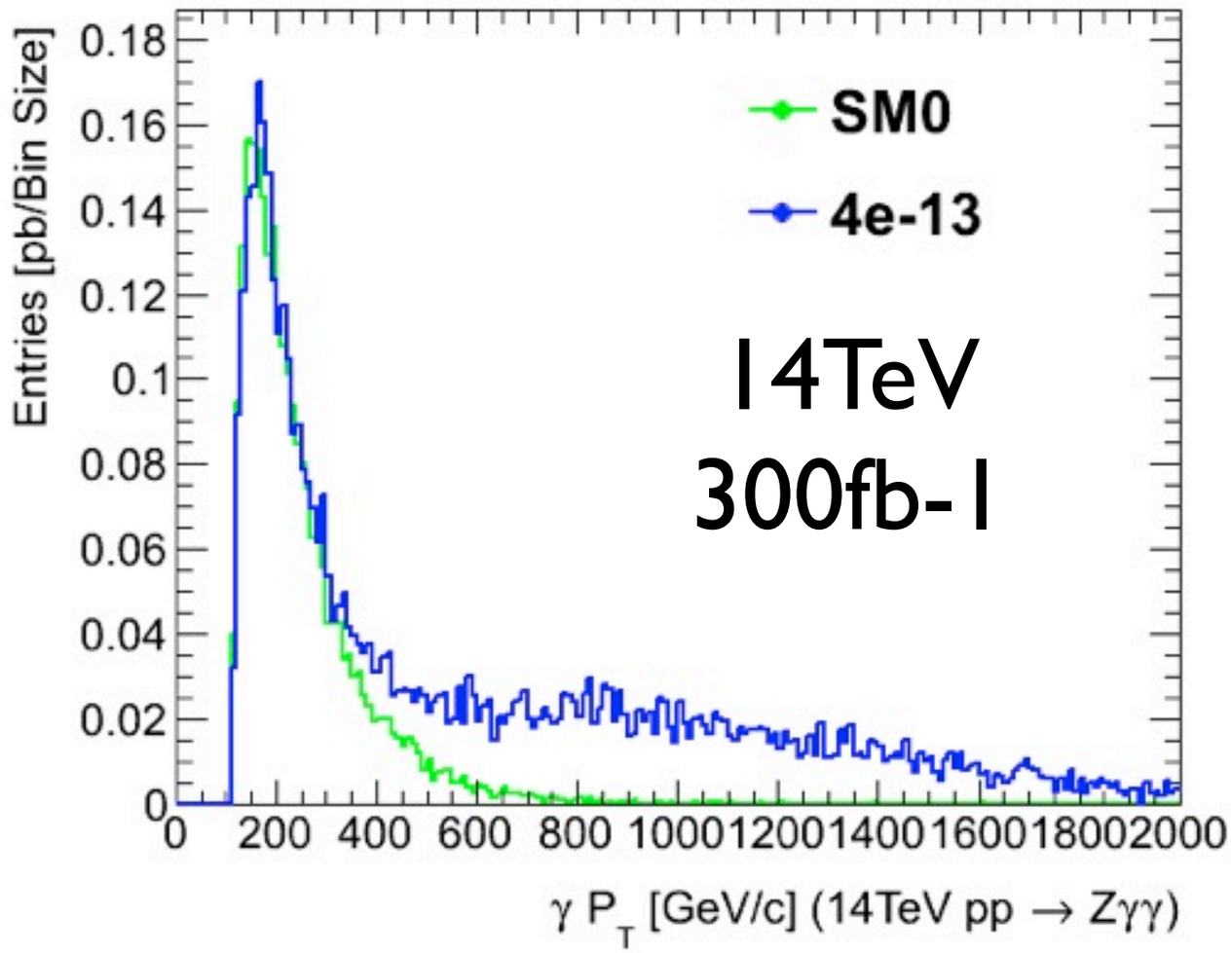


WWA/ZAA

Photon/Muon pT>110 GeV
Photon/Muon |eta|<2
MET>50GeV



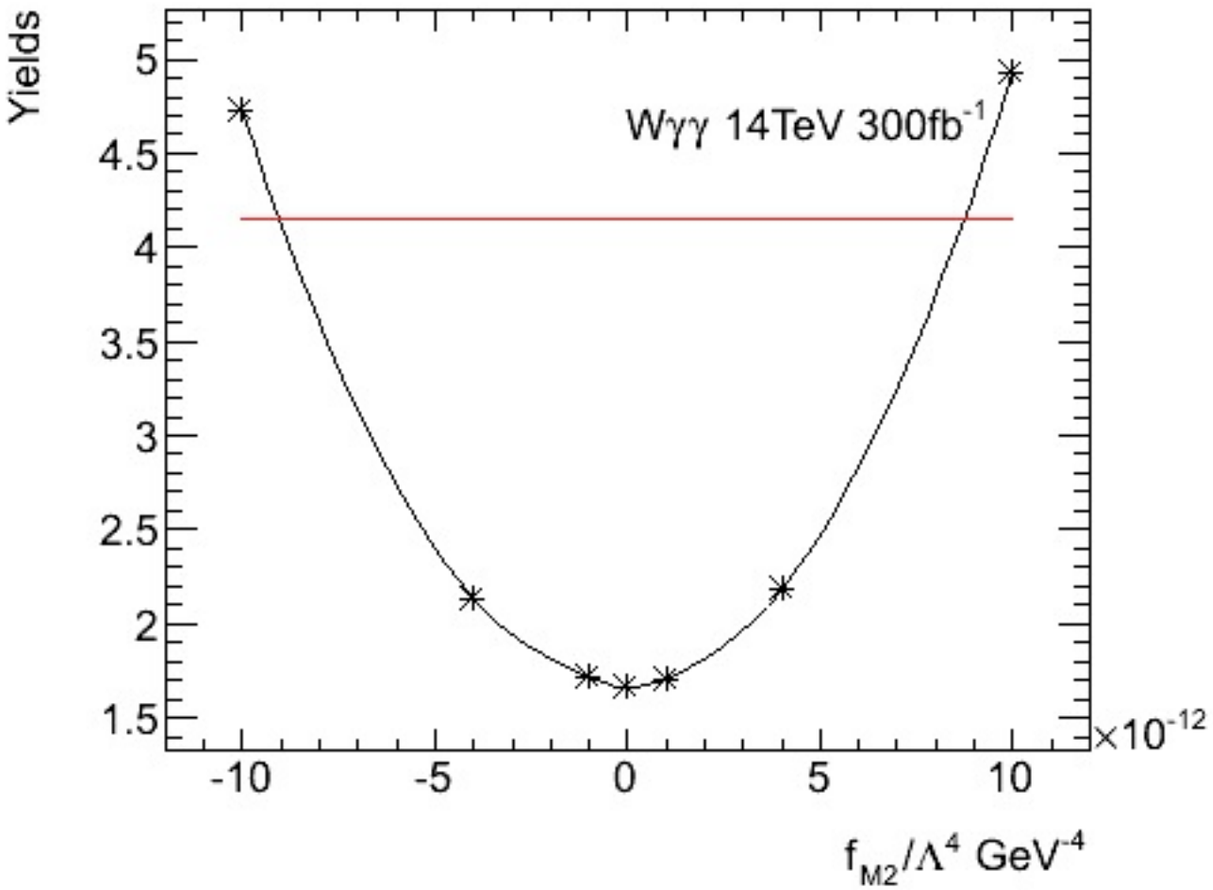
Photon pT>110 GeV
Photon |eta|<2

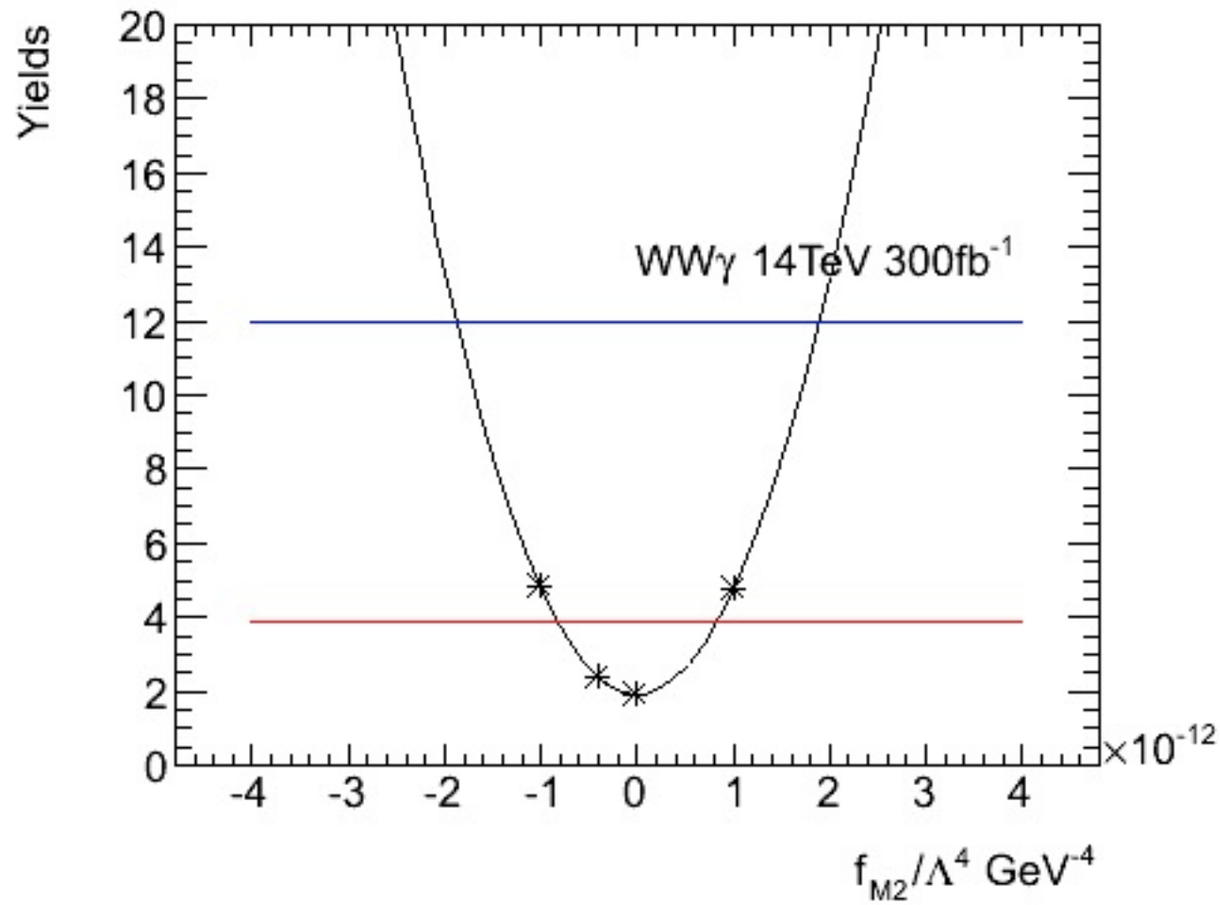


M2

Yield as function of AQGC
Redline: 95% C.I.
Blueline: 5sigma discovery

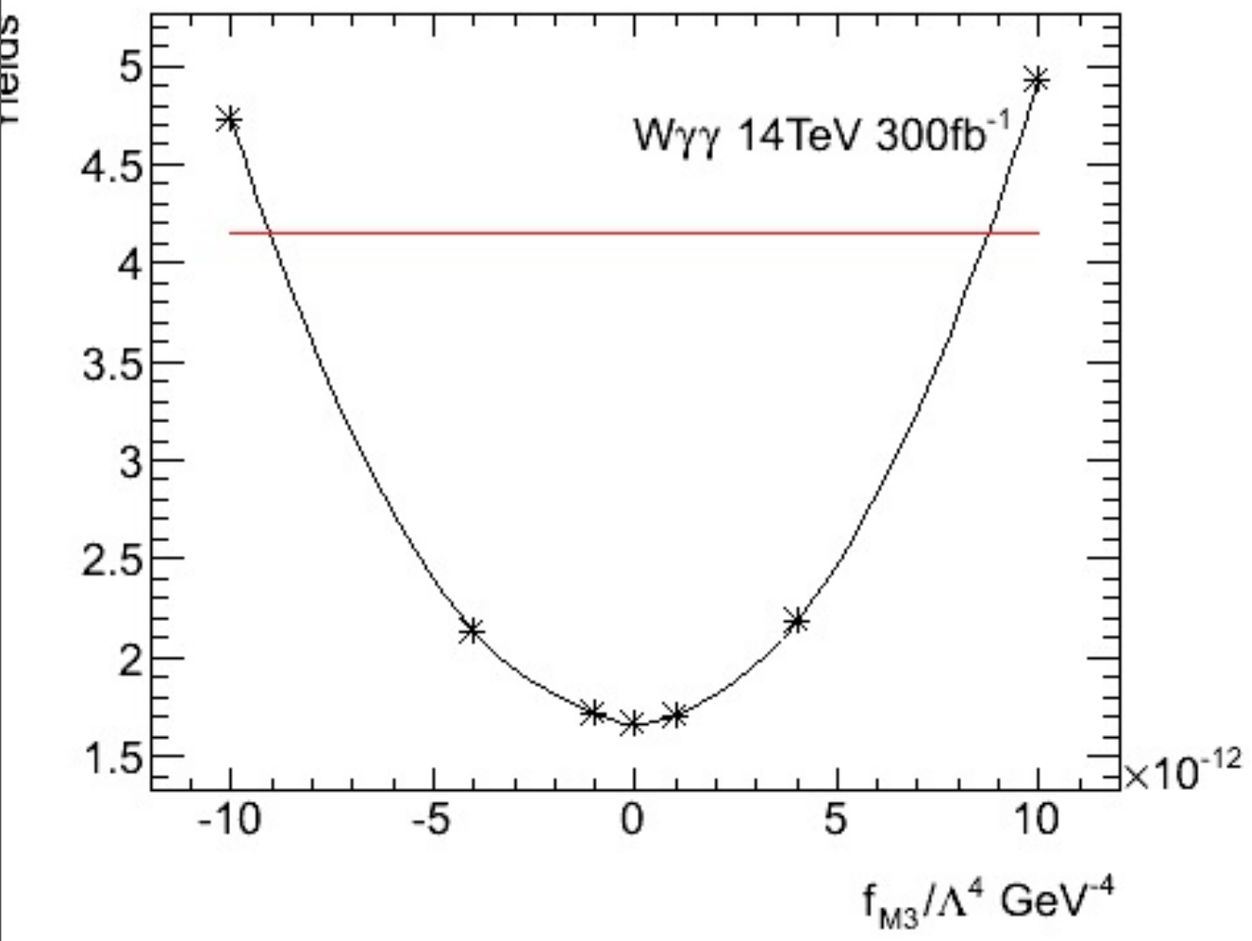
WAA: +-9E-12
WWA: +-8E-13

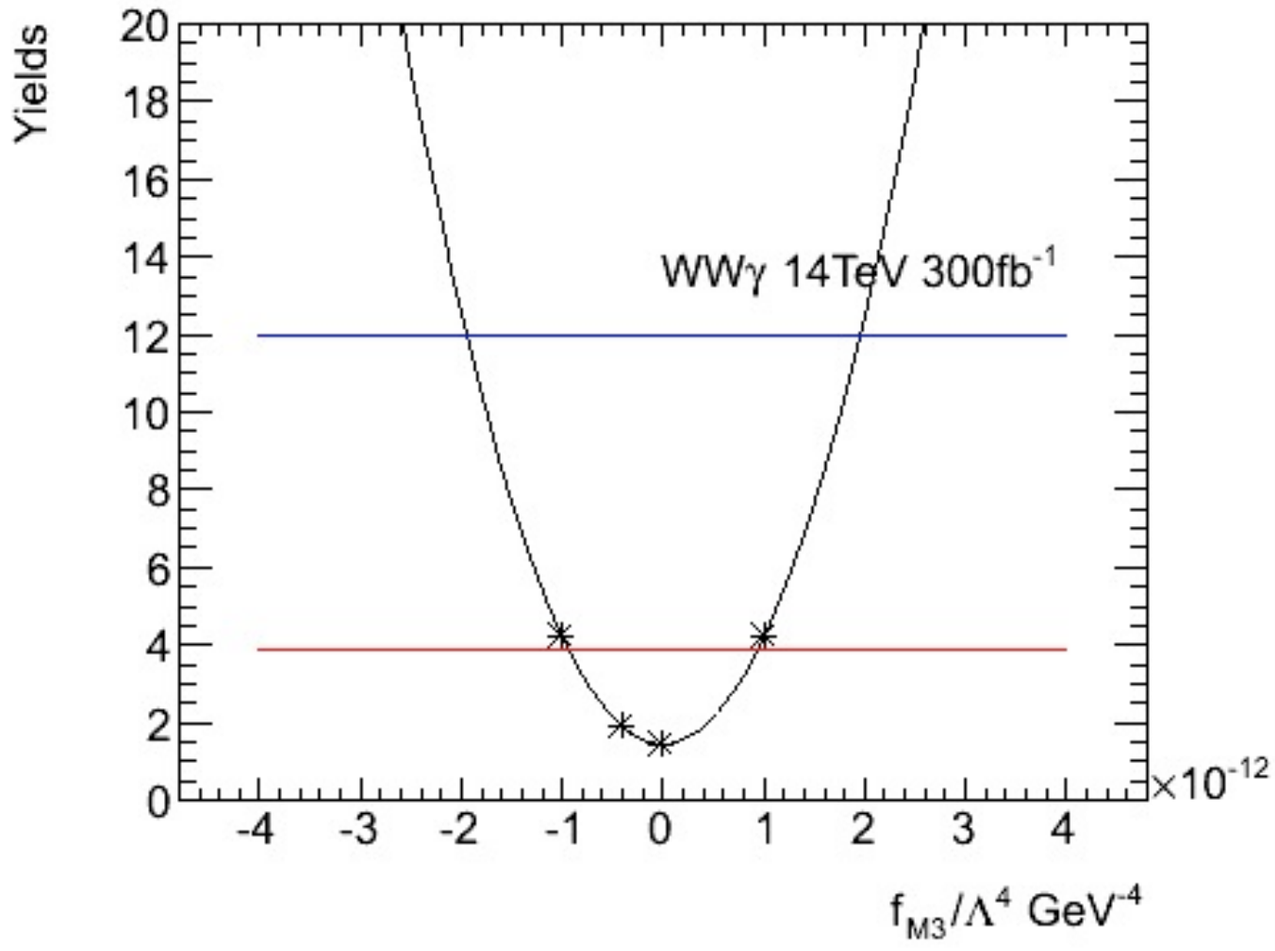




M3

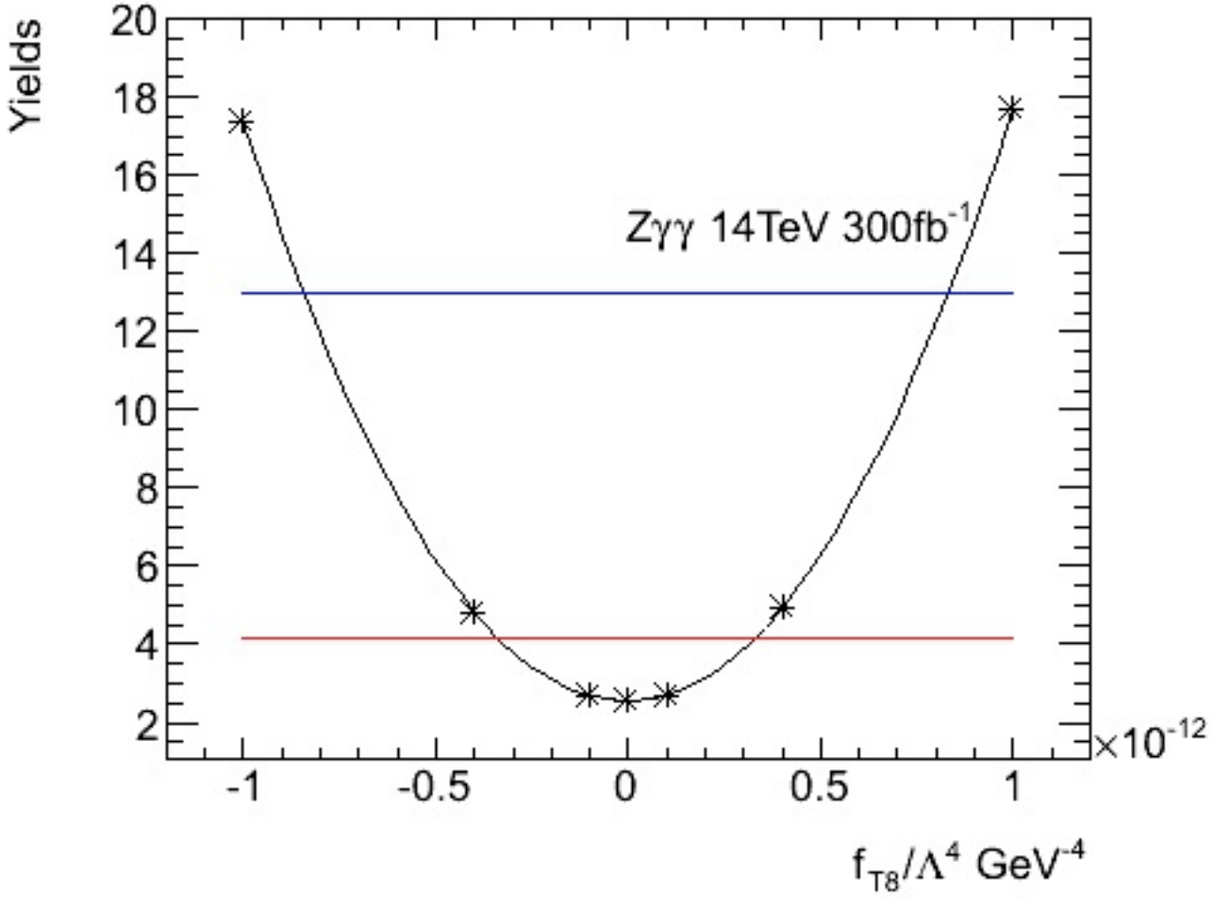
WAA: +-9.5E-12
WWA: +-1E-12

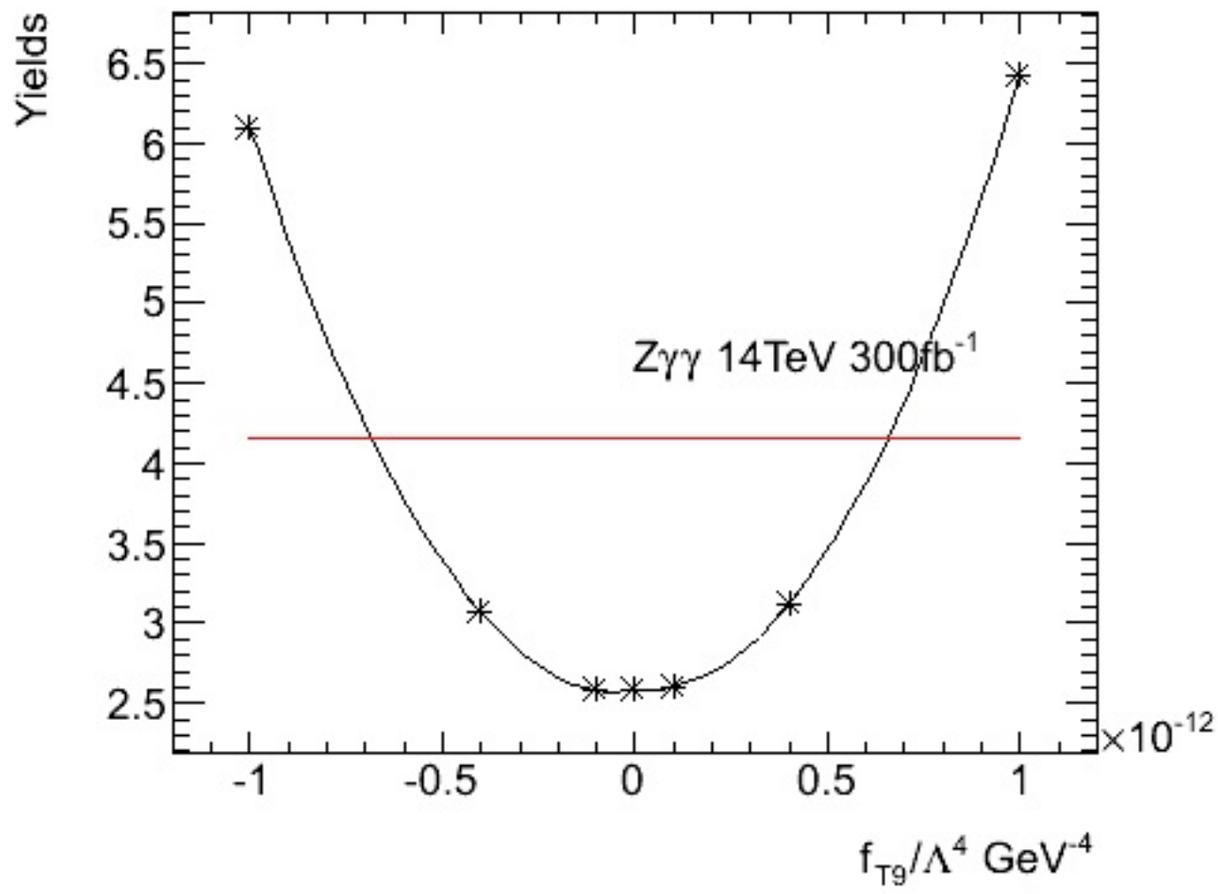




T8/T9

T8: +-3E-13
T9: +-7E-13





To Do

- Strategy
  - Using last bin of the photon pT
- K-factor
  - VBFNLO
- Background Model (using ATLAS ESG photon fake rate)
  - WWA
    - ttA
    - WWj
  - ZAA
    - ZAj
- Using Chris' limit calculator