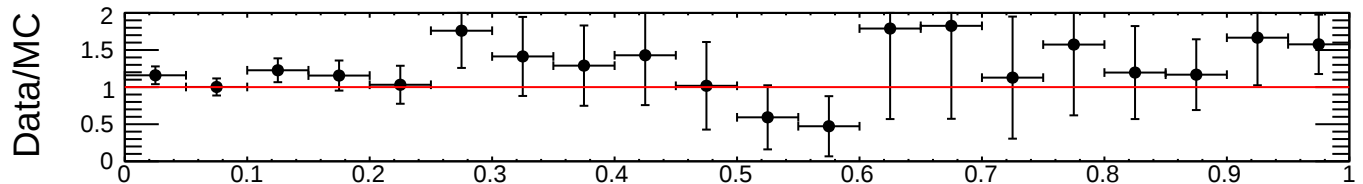
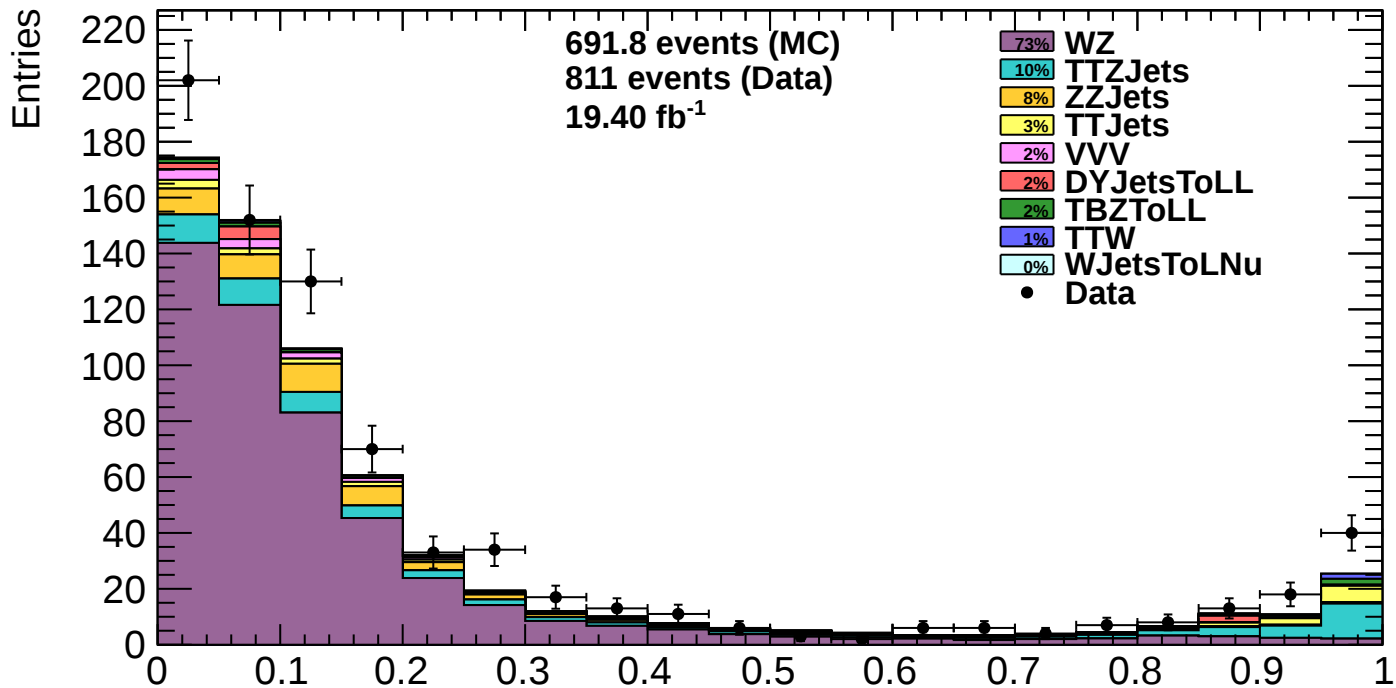
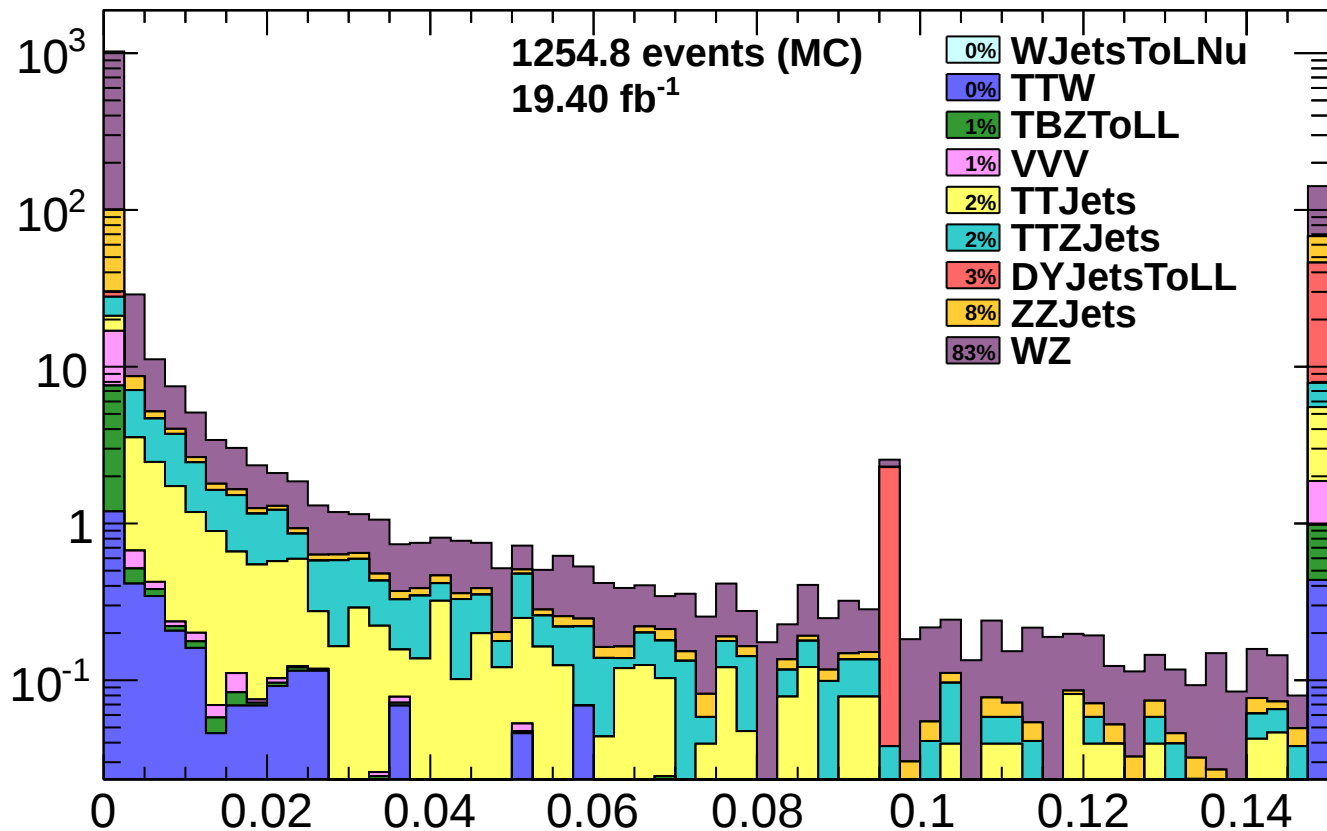


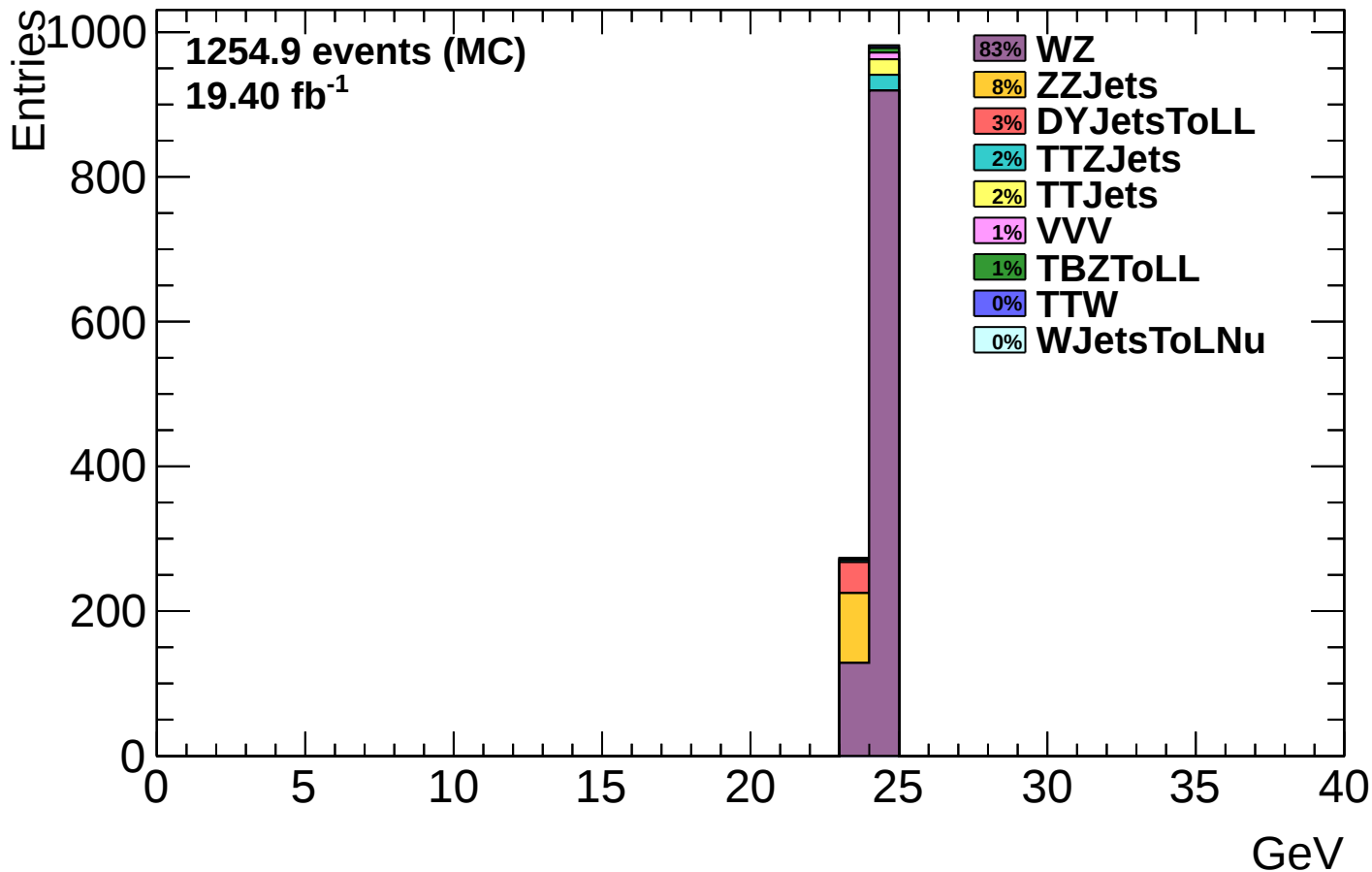
Value of csv bjet tag

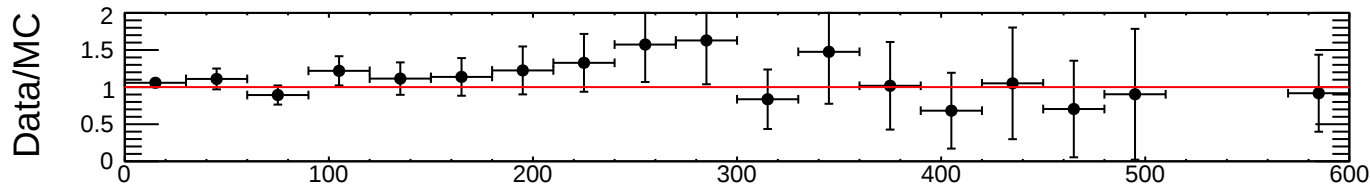
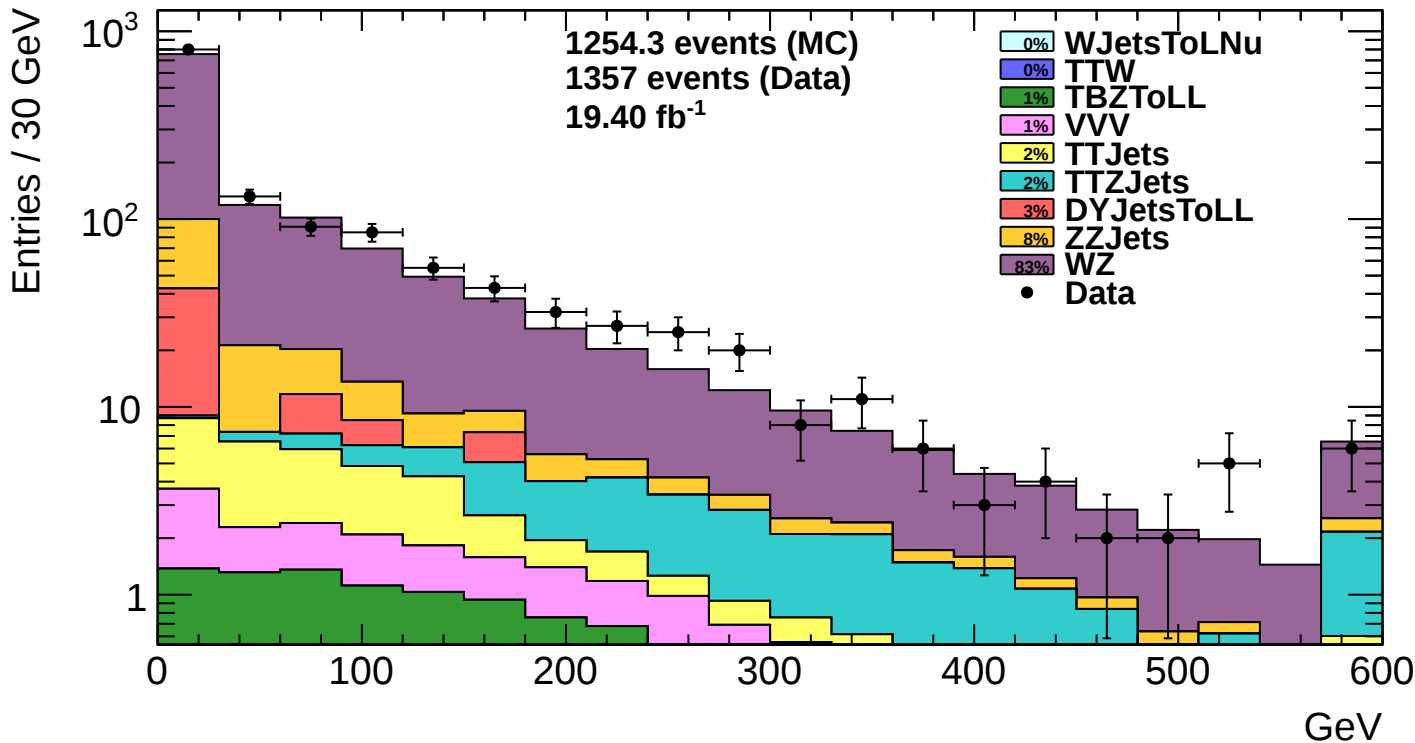


ΔR between reco W lepton and closest gen lepton

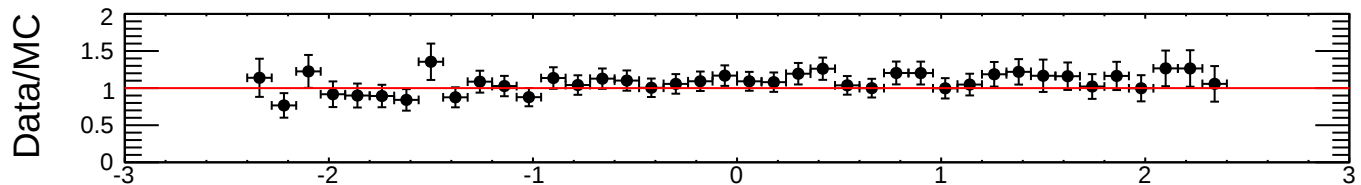
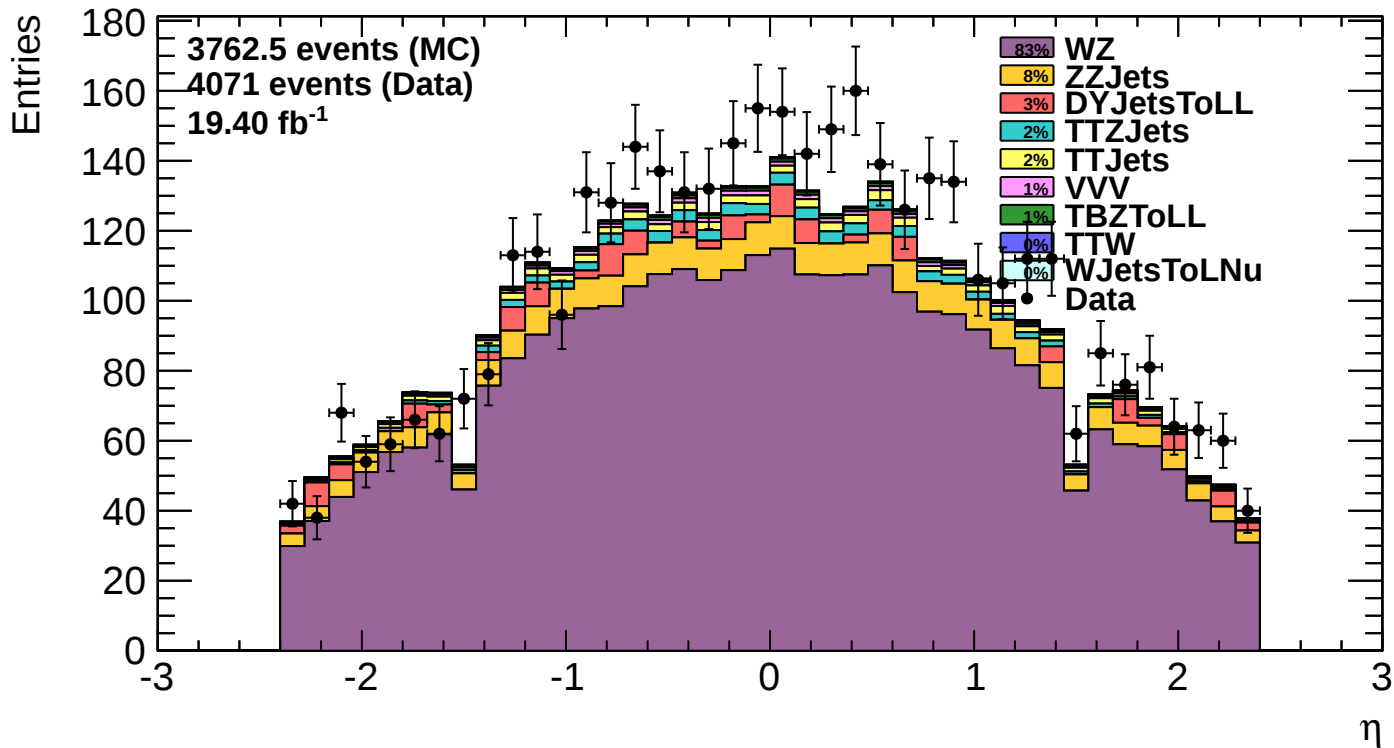


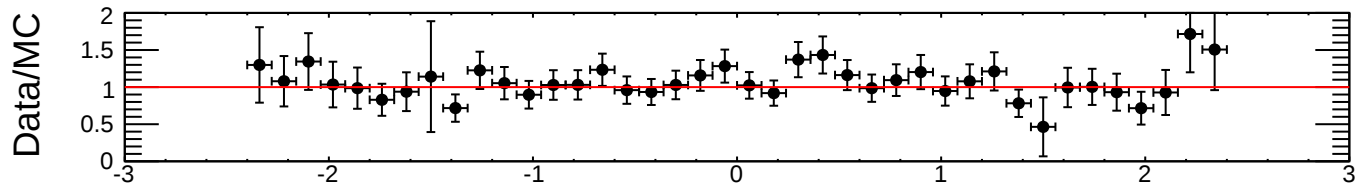
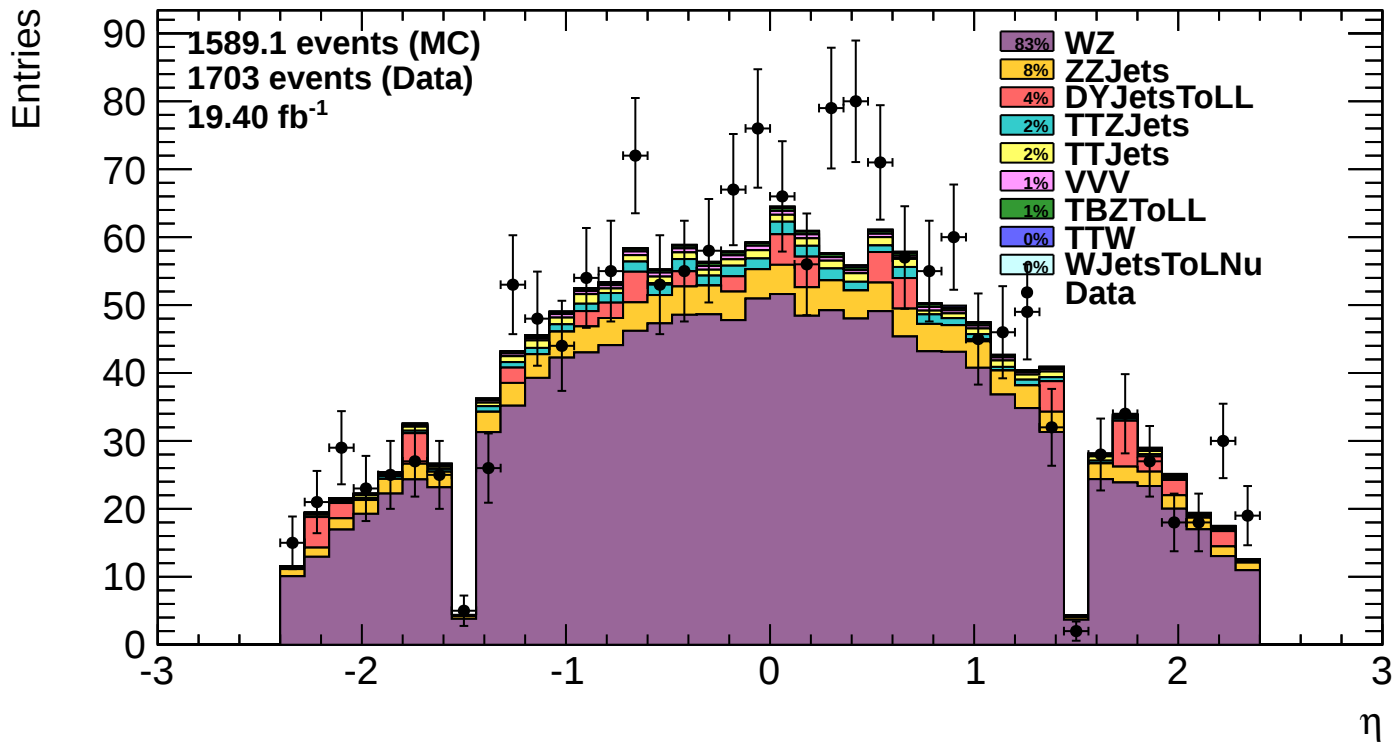
abs(id) for gen particle matched to reco W lept

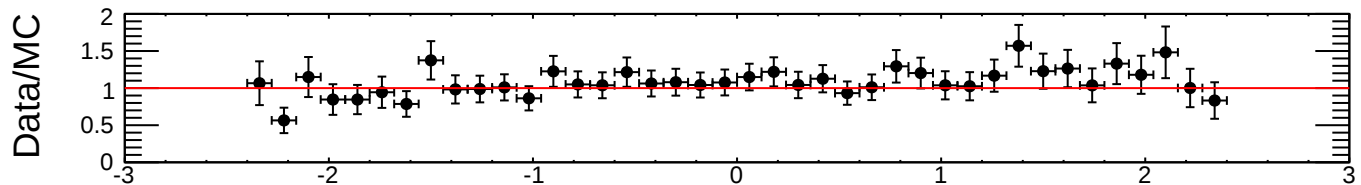
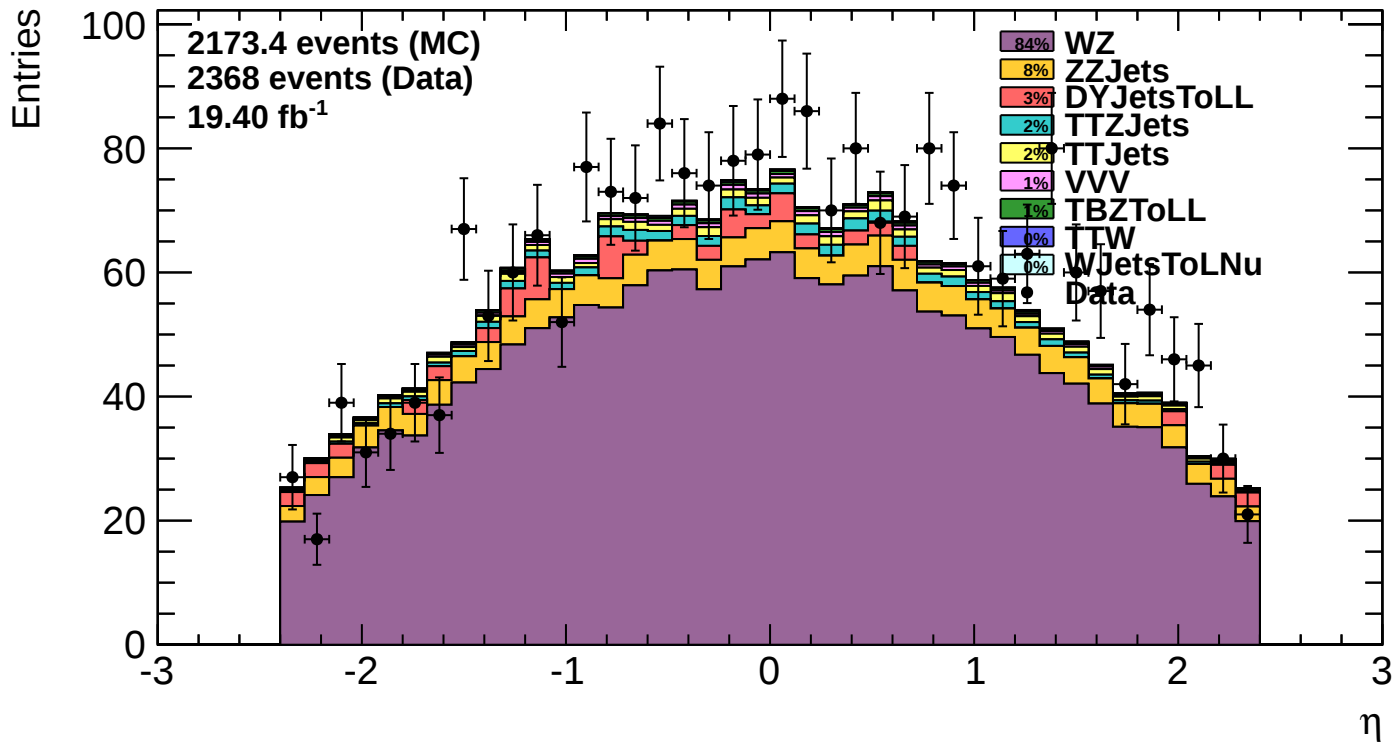


H_T 

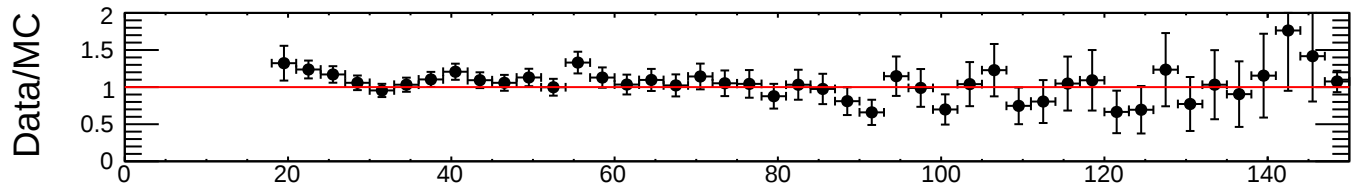
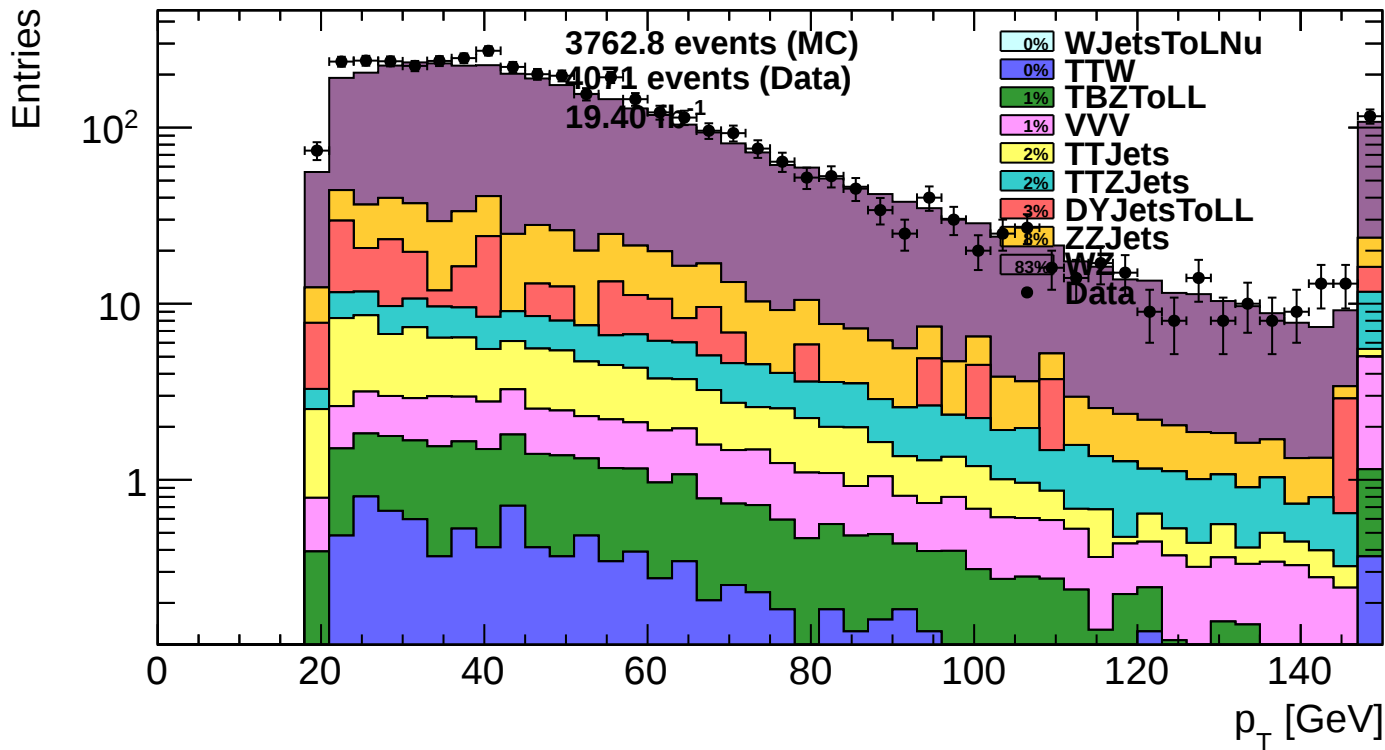
lepton η



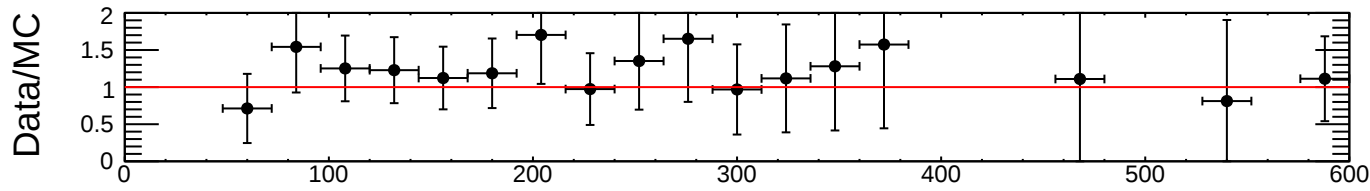
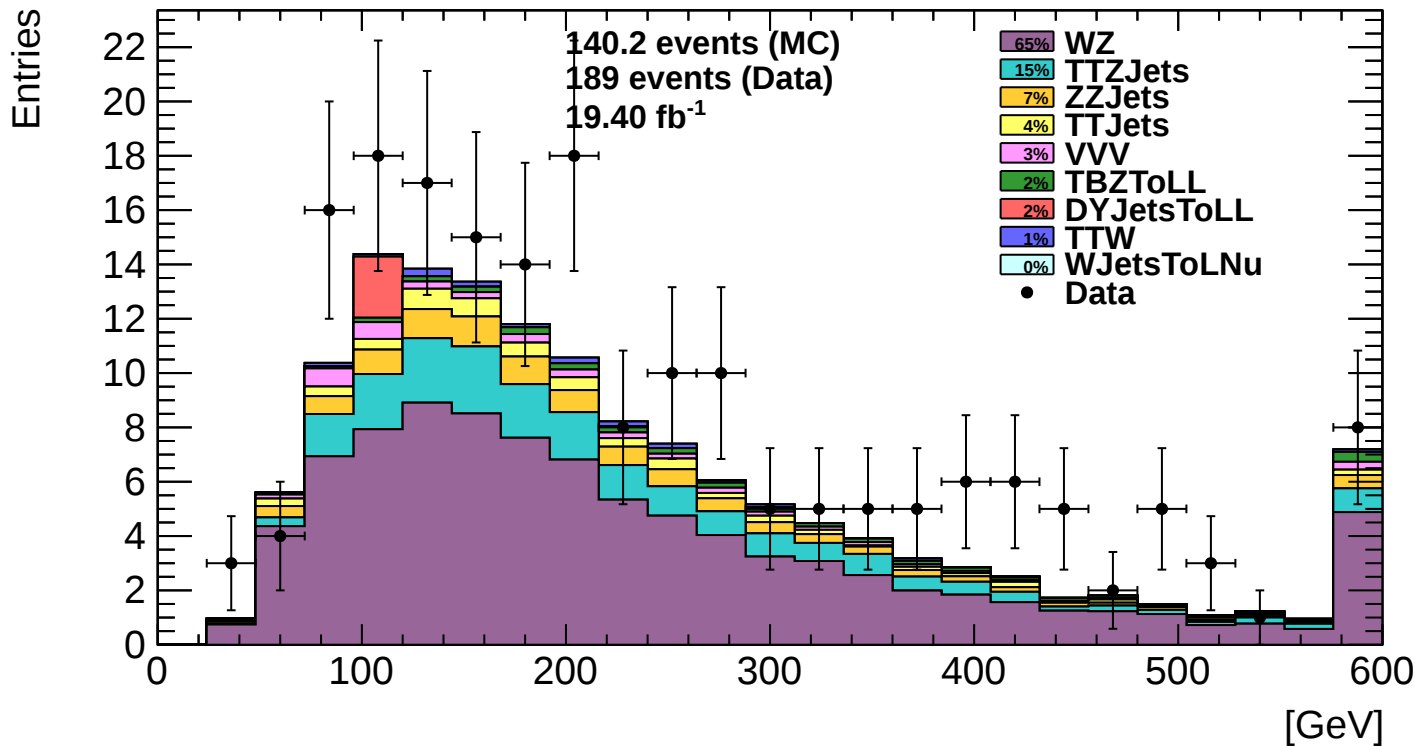
$e\eta$ 

$\mu\eta$ 

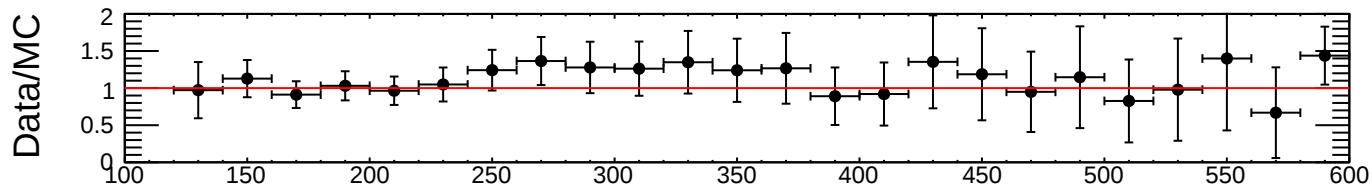
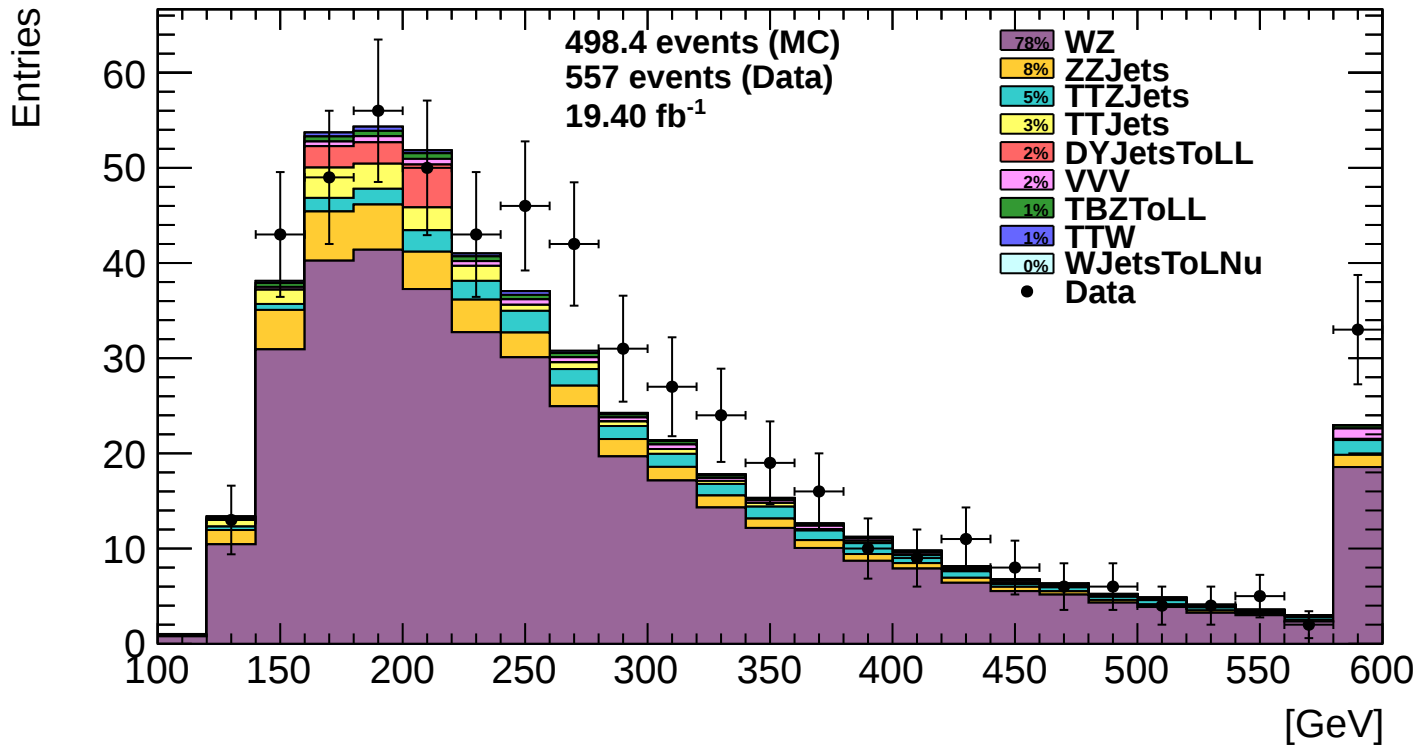
lepton p_T



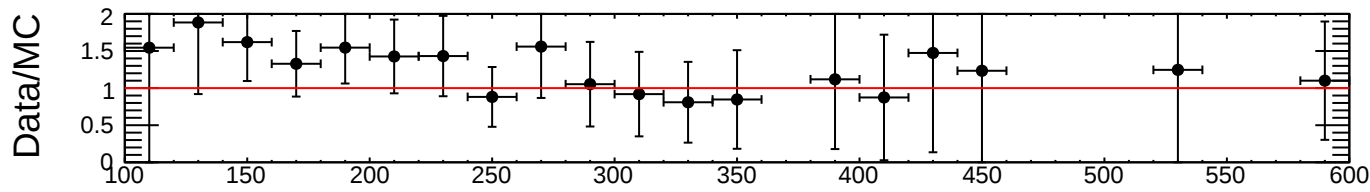
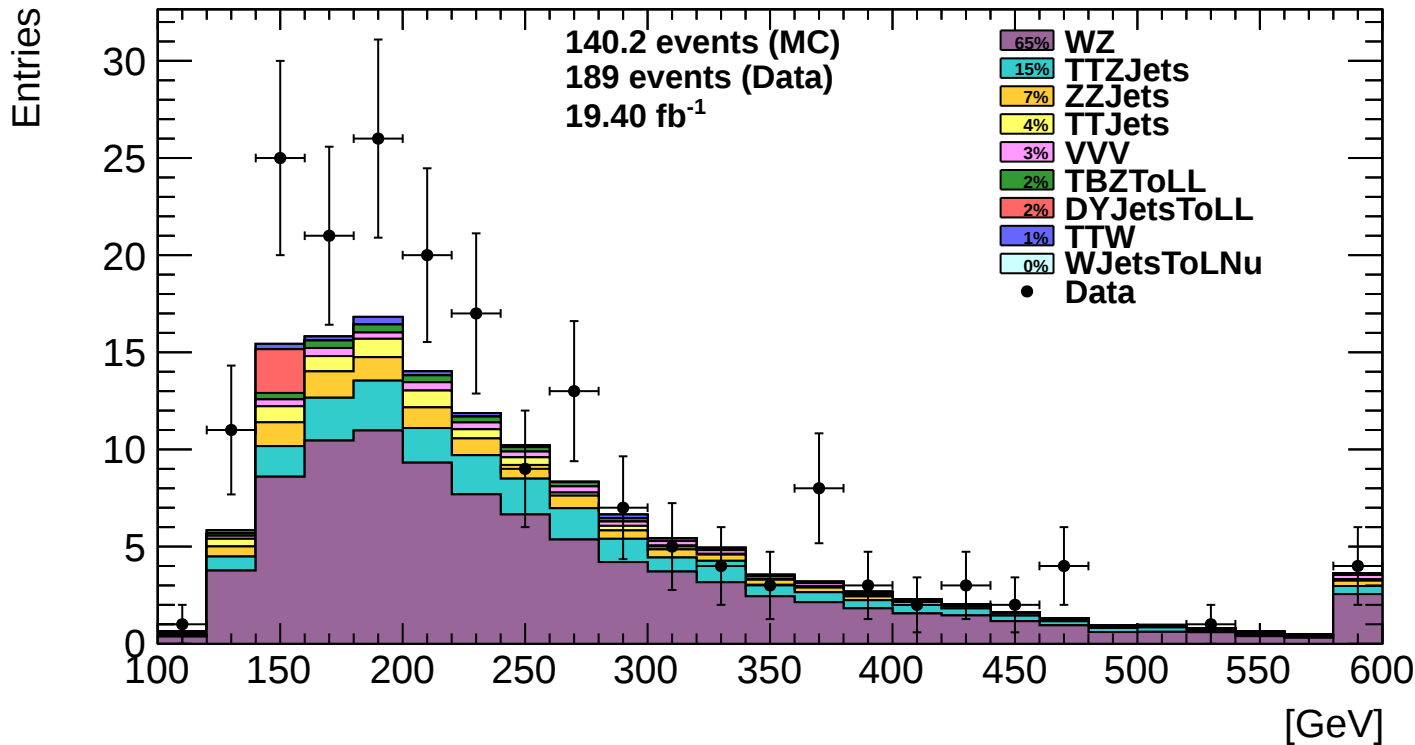
j1j2 mass



Zj1 mass



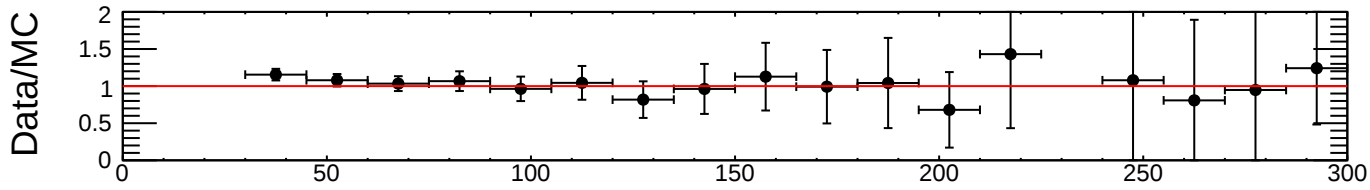
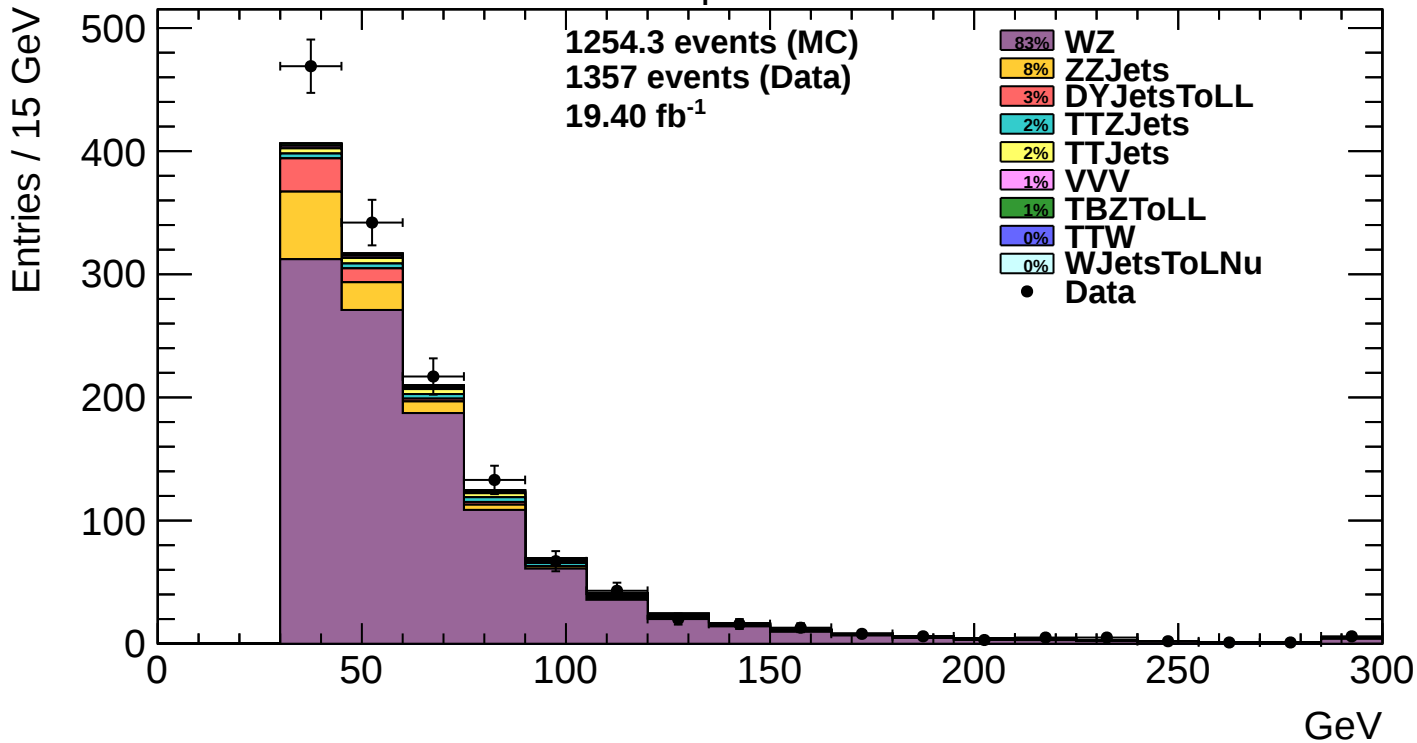
Zj2 mass



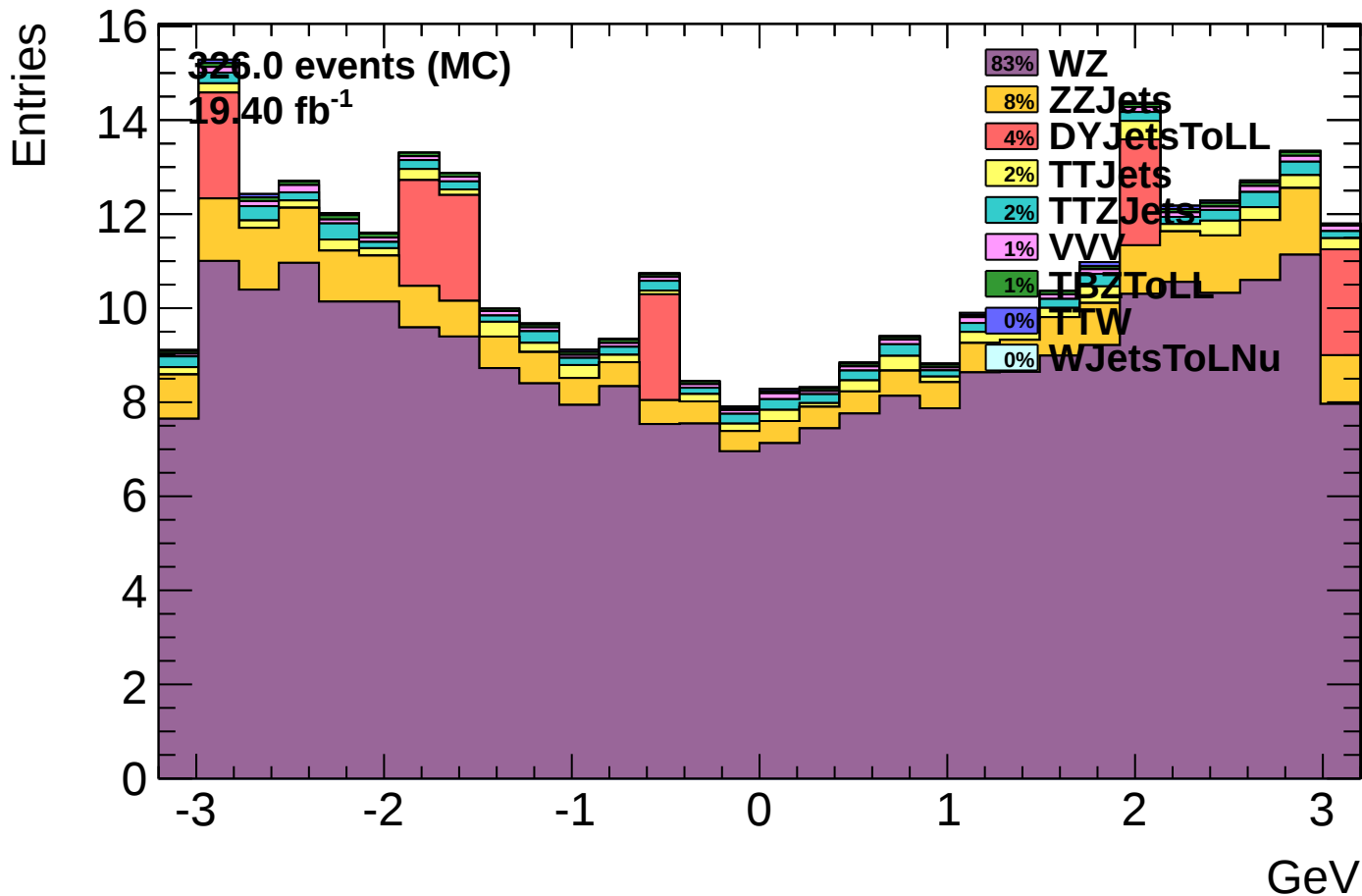
$\cancel{E}_T$

1254.3 events (MC)

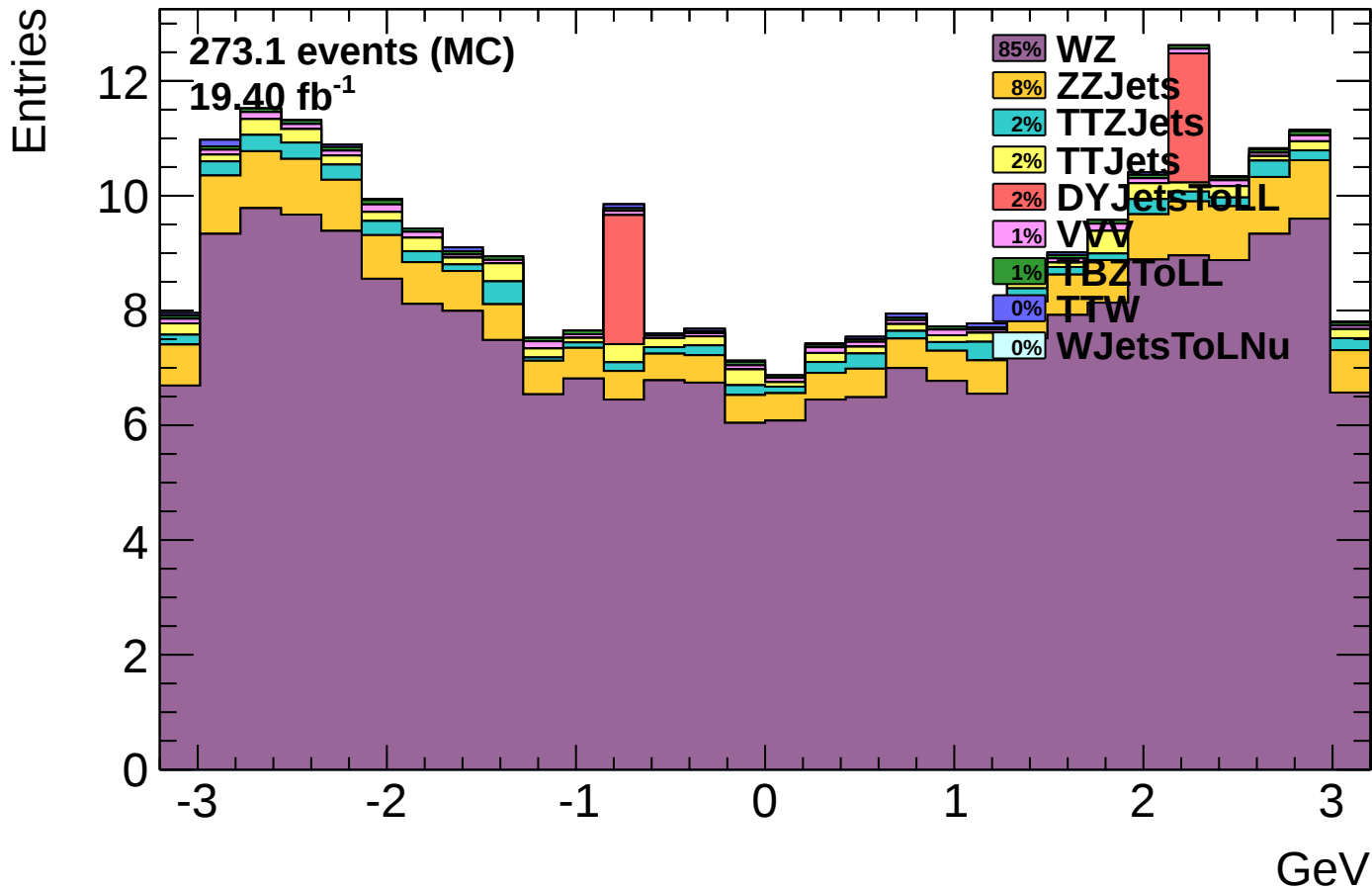
1357 events (Data)

19.40 fb⁻¹

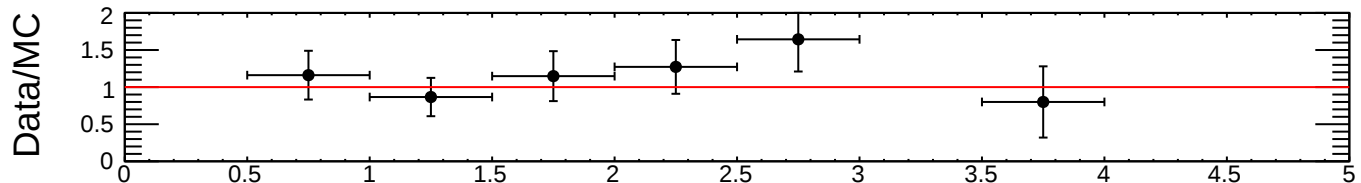
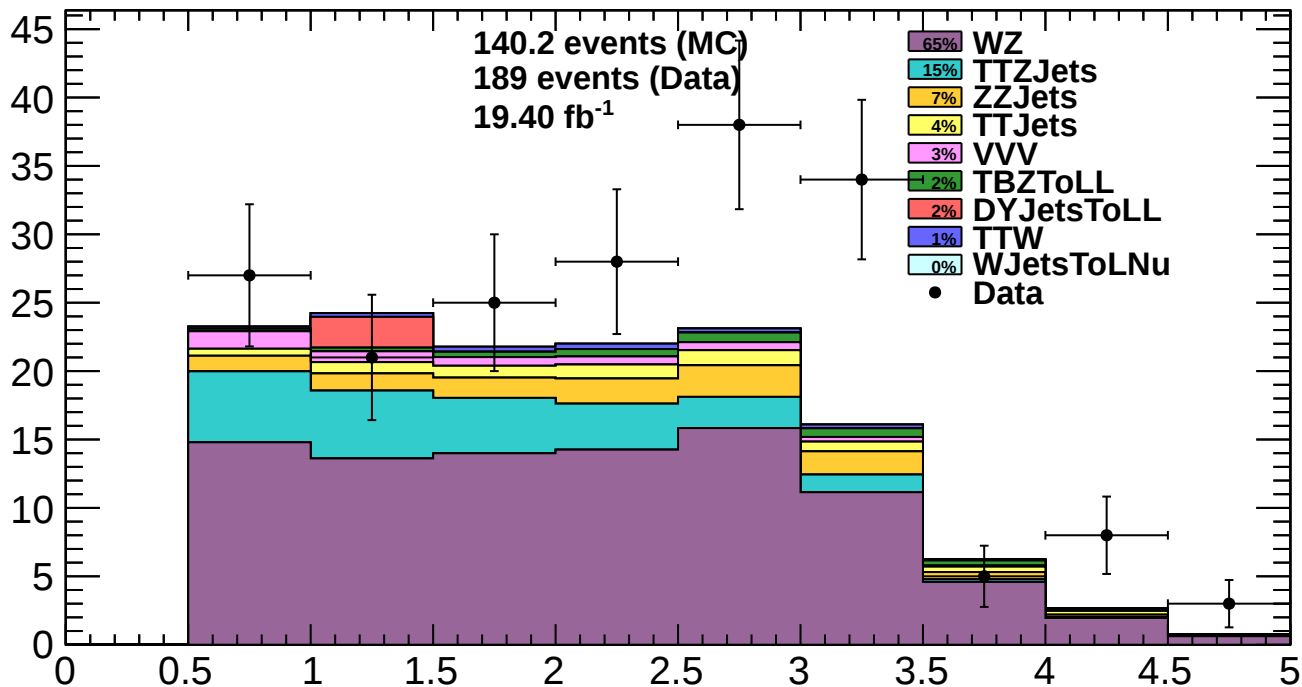
metphi for e from W

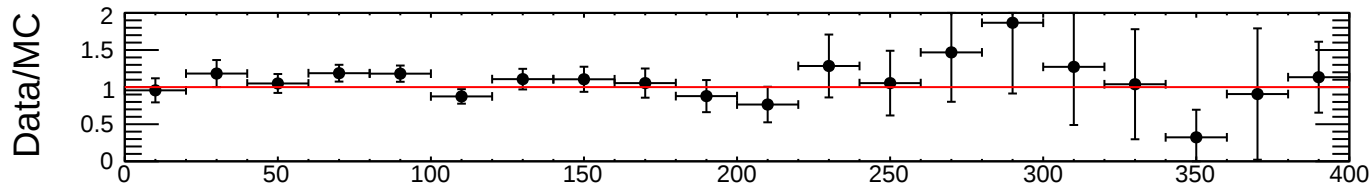
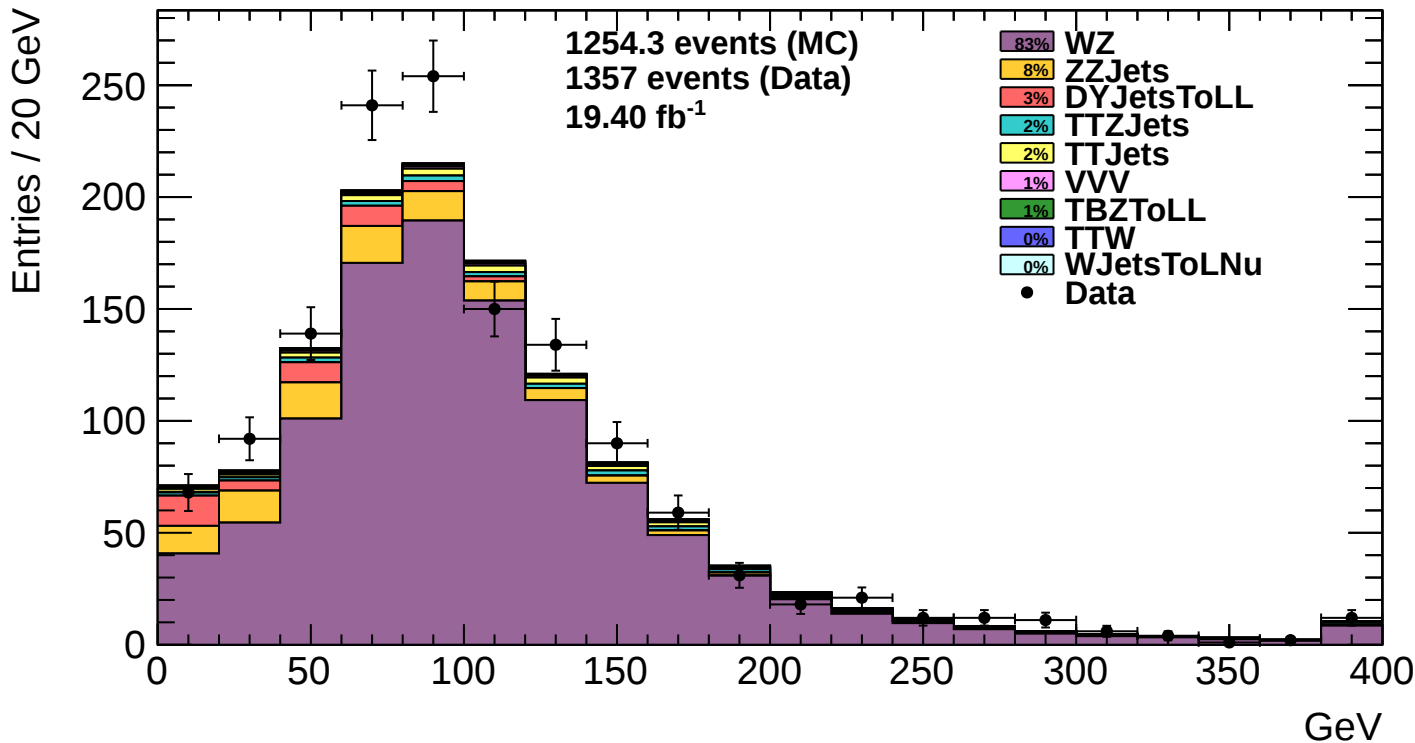


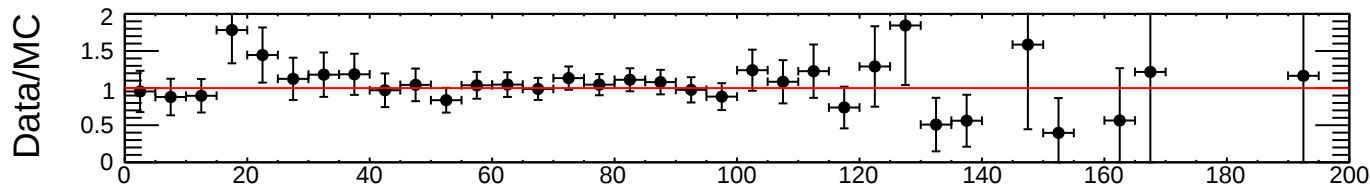
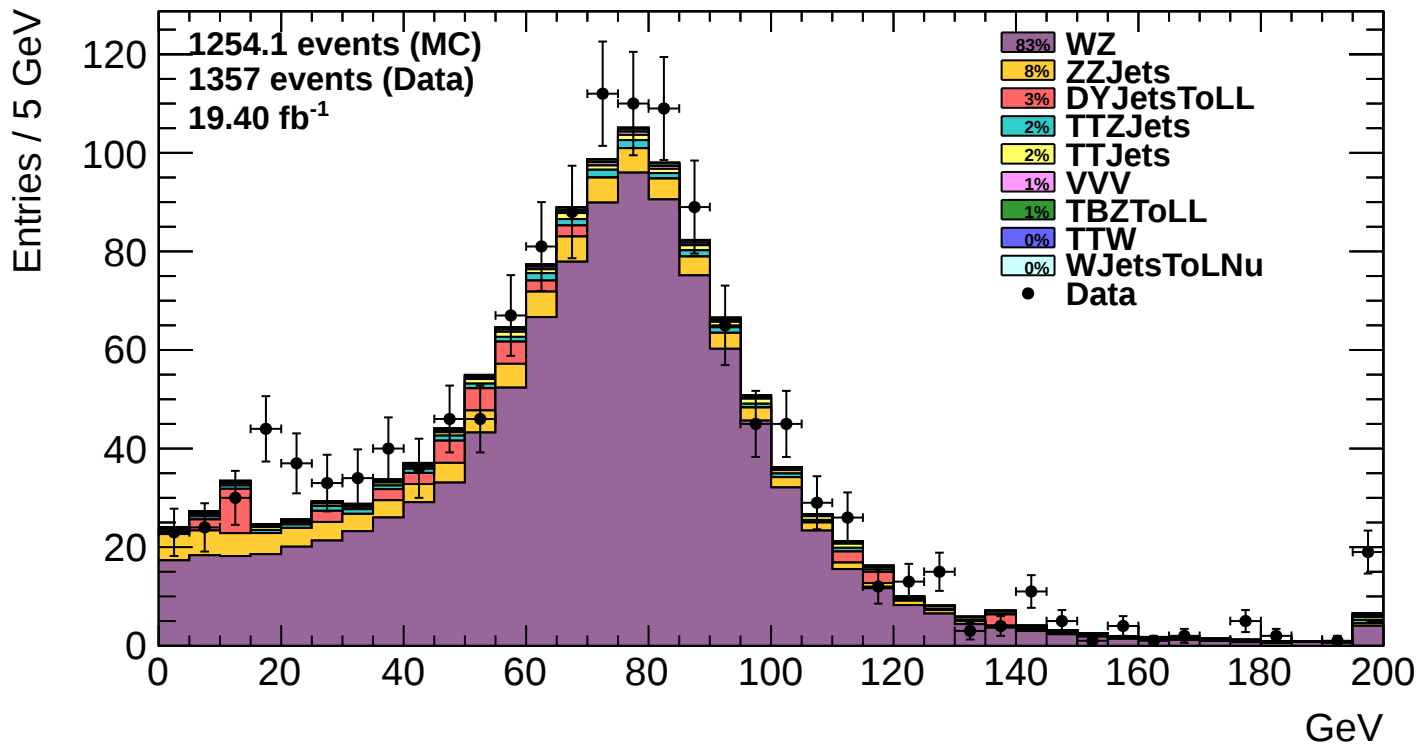
metphi for m from W



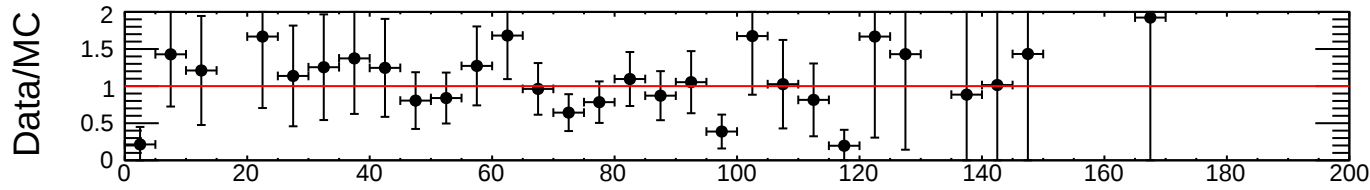
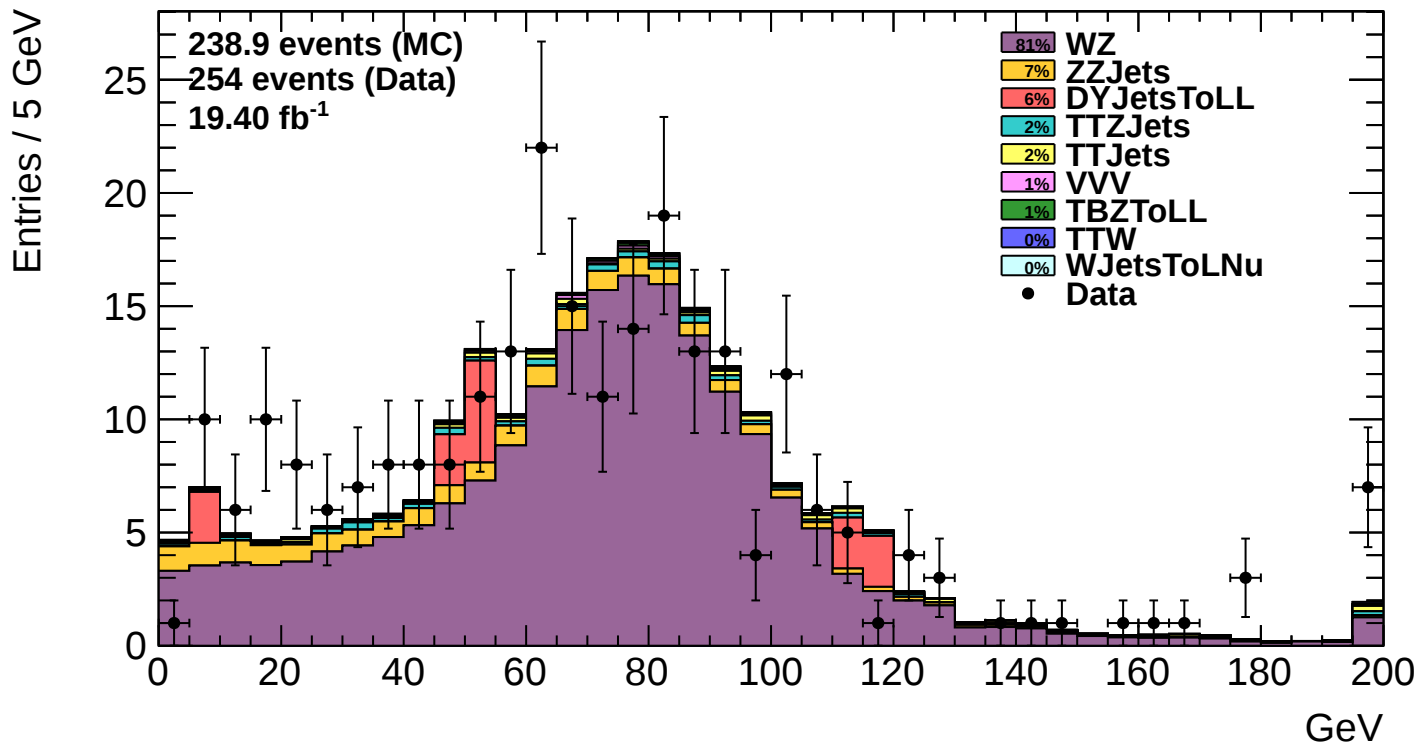
Minimum dR between jet 1 and another jet

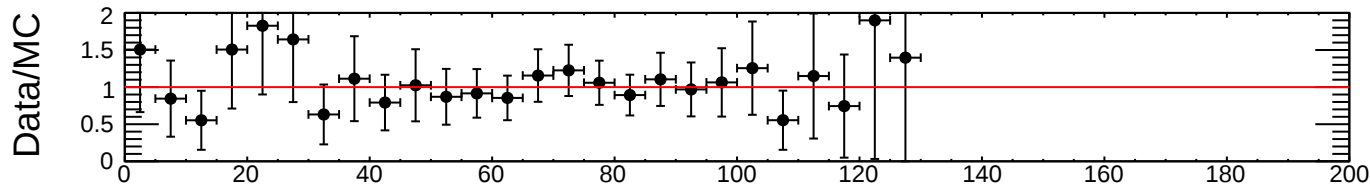
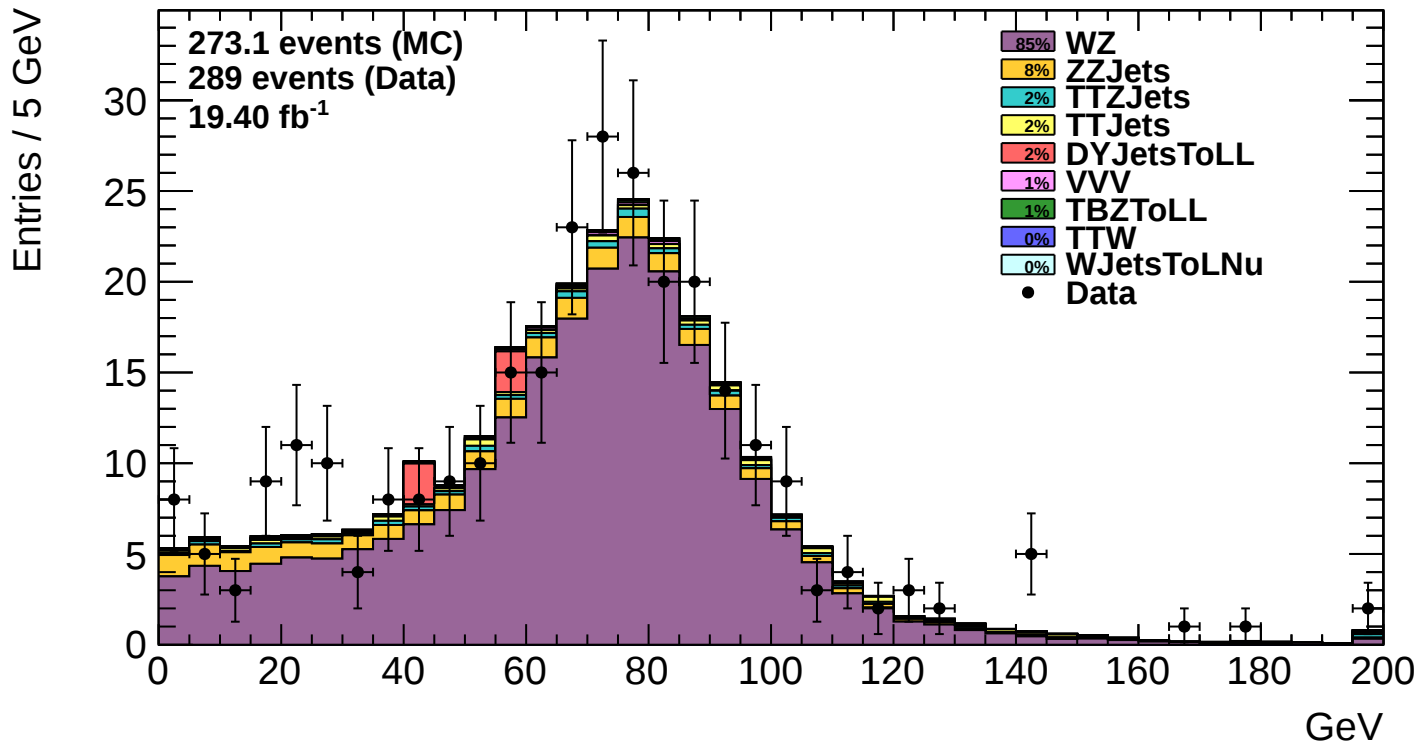


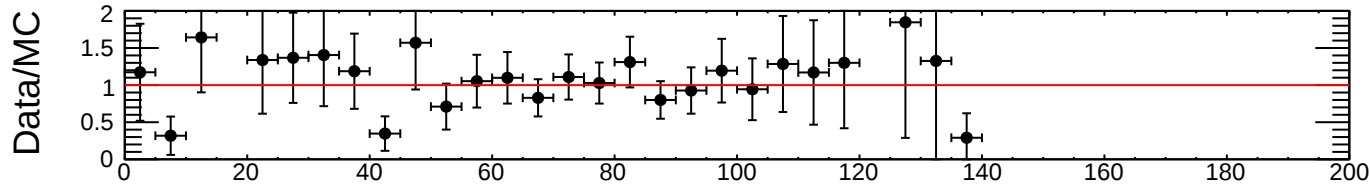
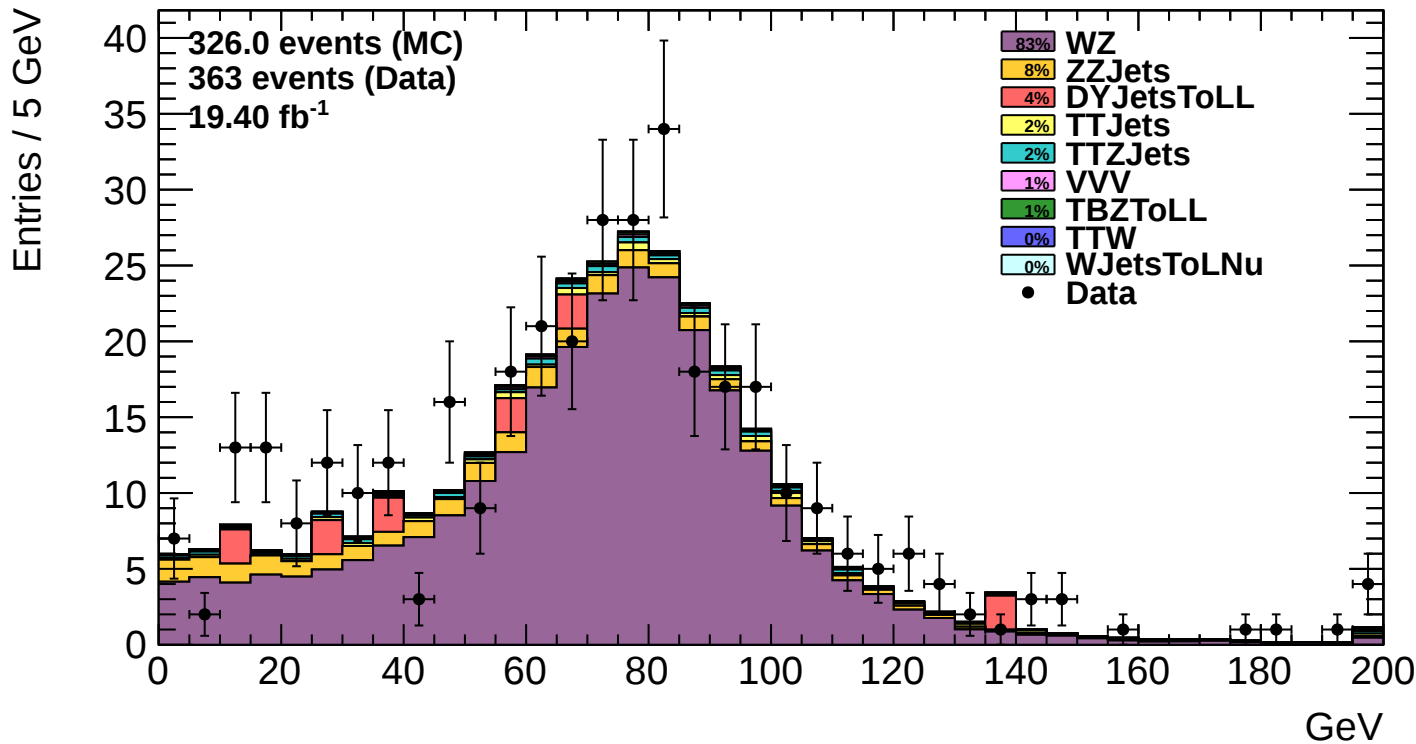
M_T 

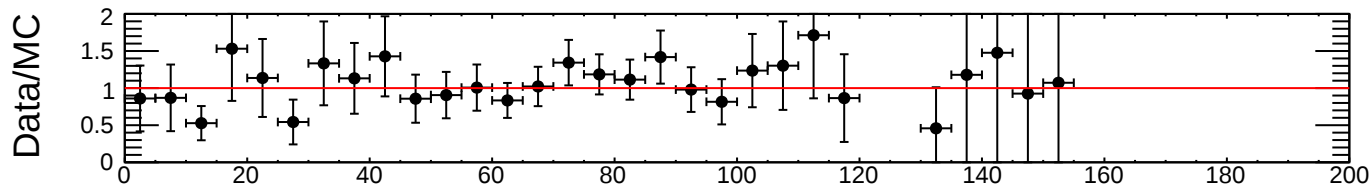
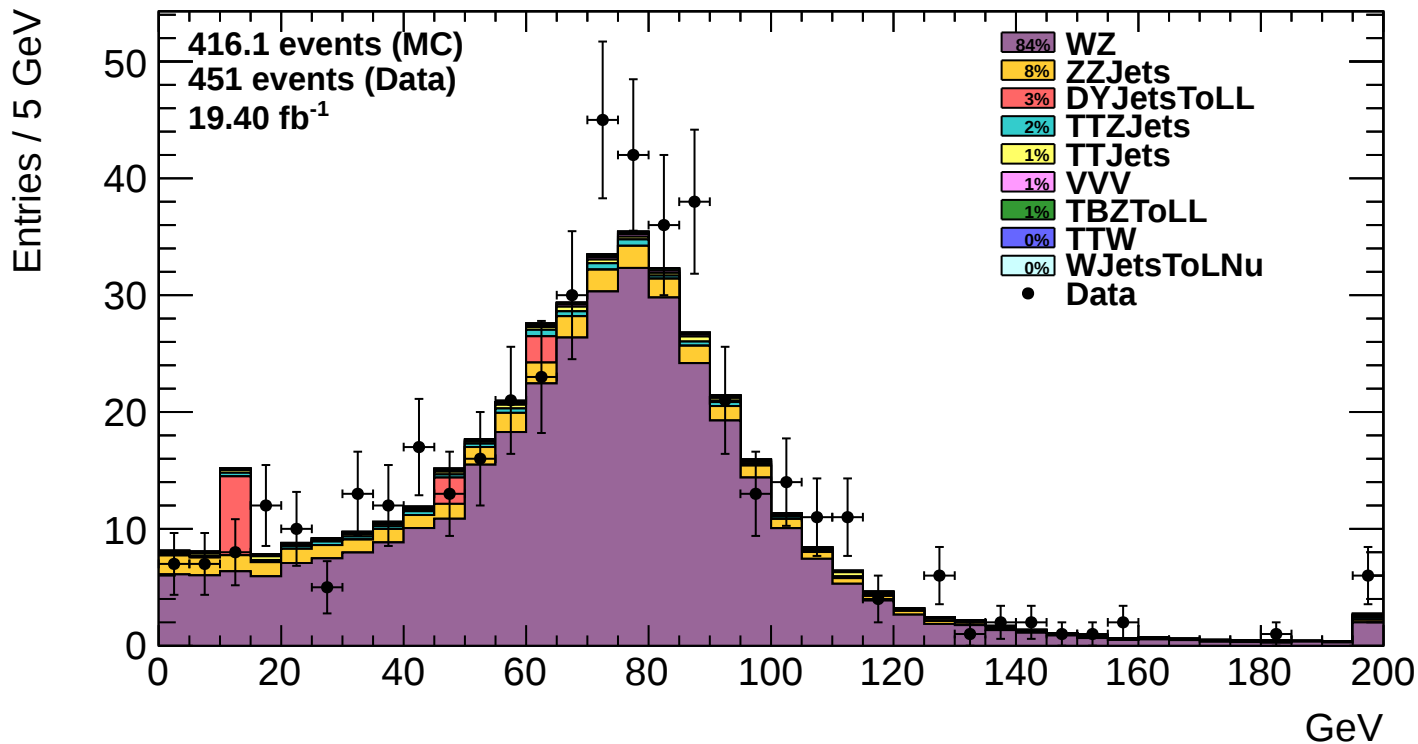
$W \text{ lep } M_T$ 

eee W lep M_T

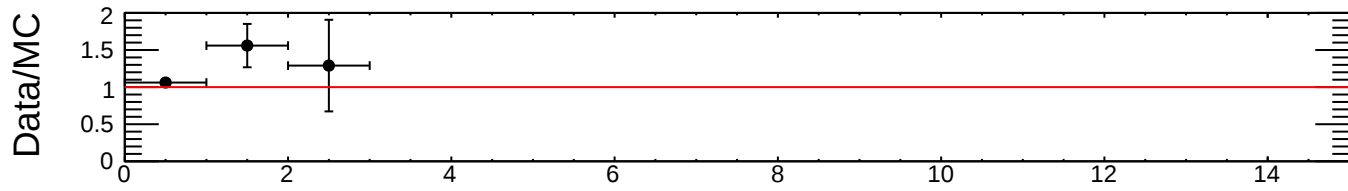
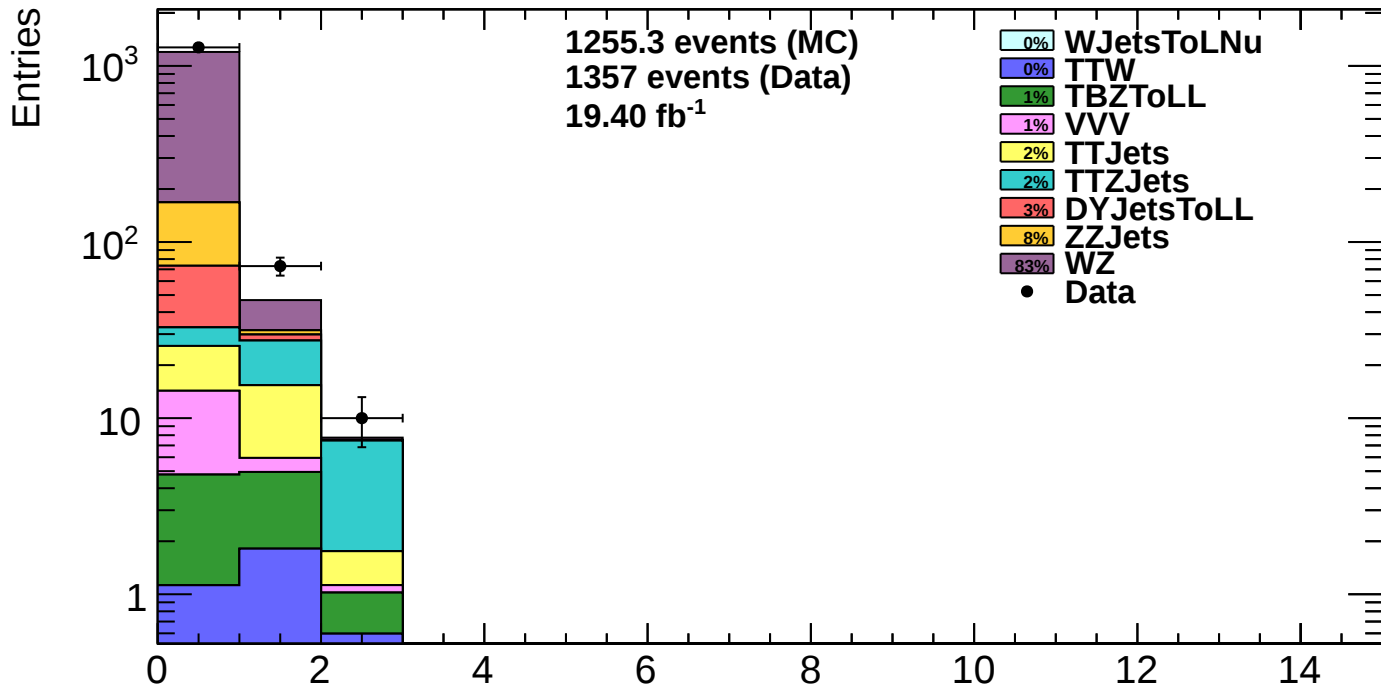


$e e \mu W \text{ lep } M_T$ 

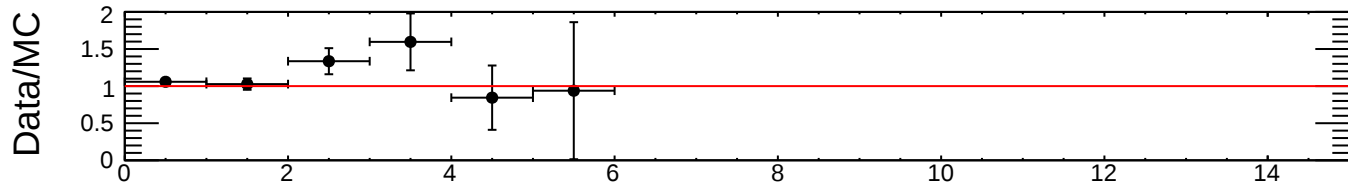
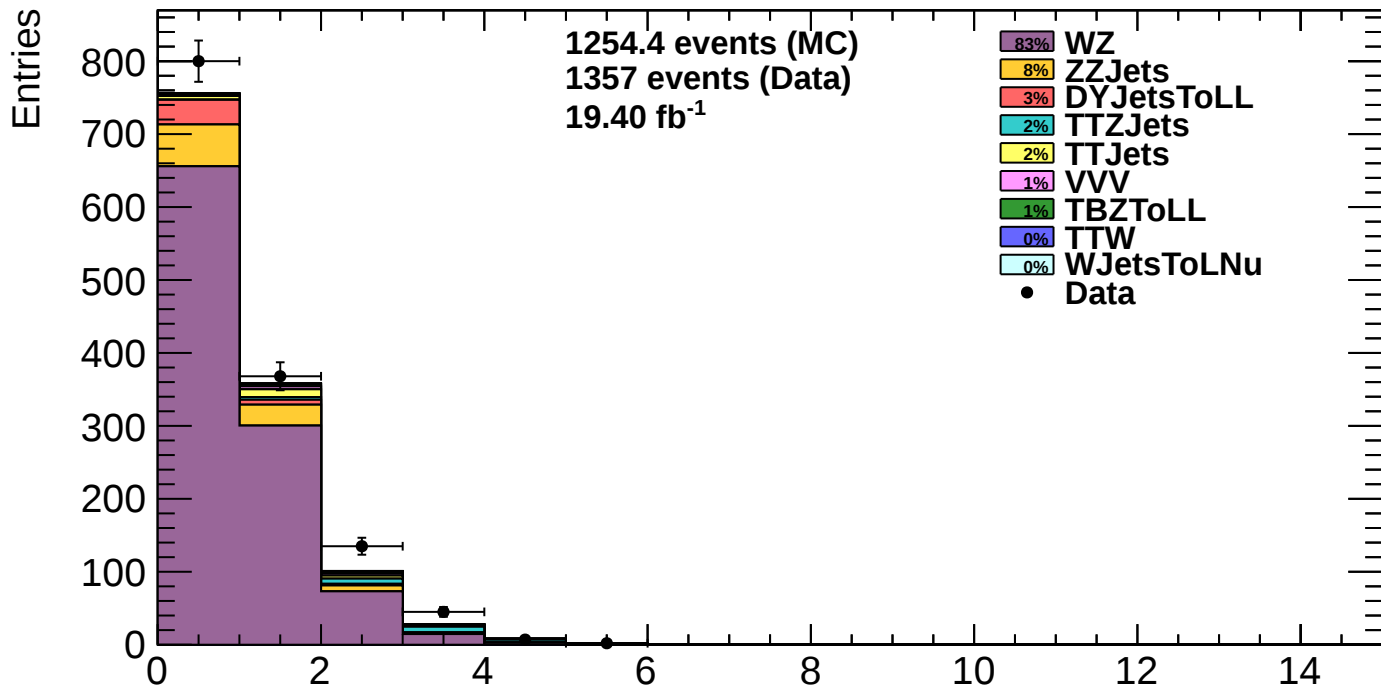
$\mu\mu e W \text{ lep } M_T$ 

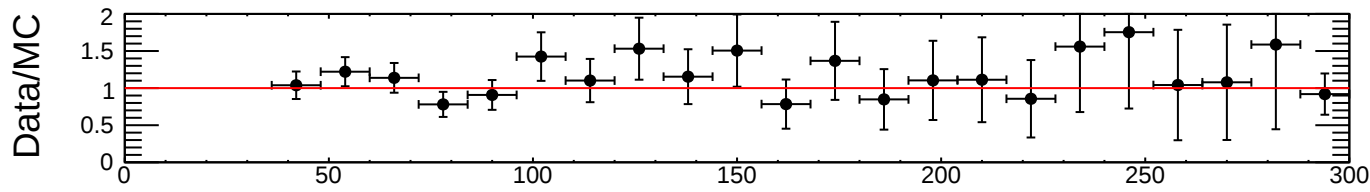
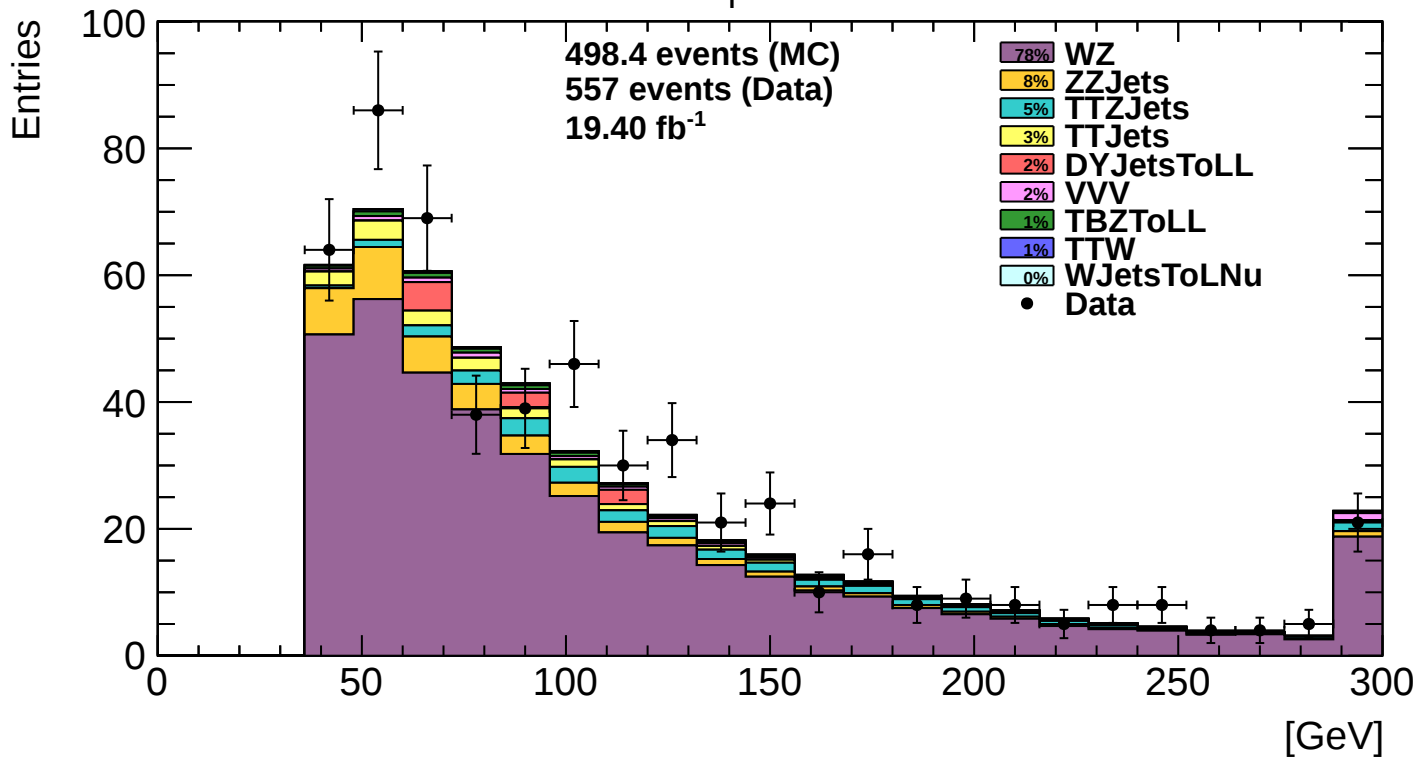
$\mu\mu\mu W \text{ lep } M_T$ 

N btagged jets



Njets

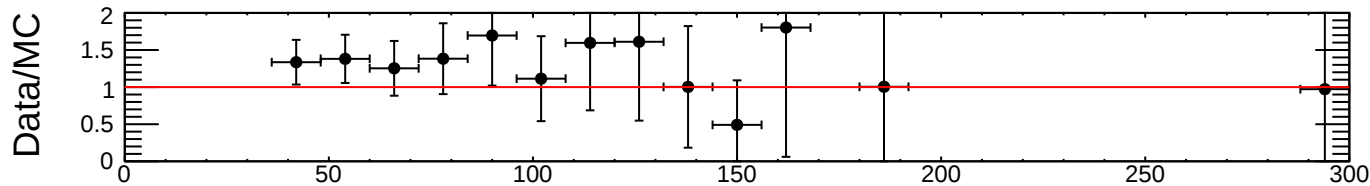
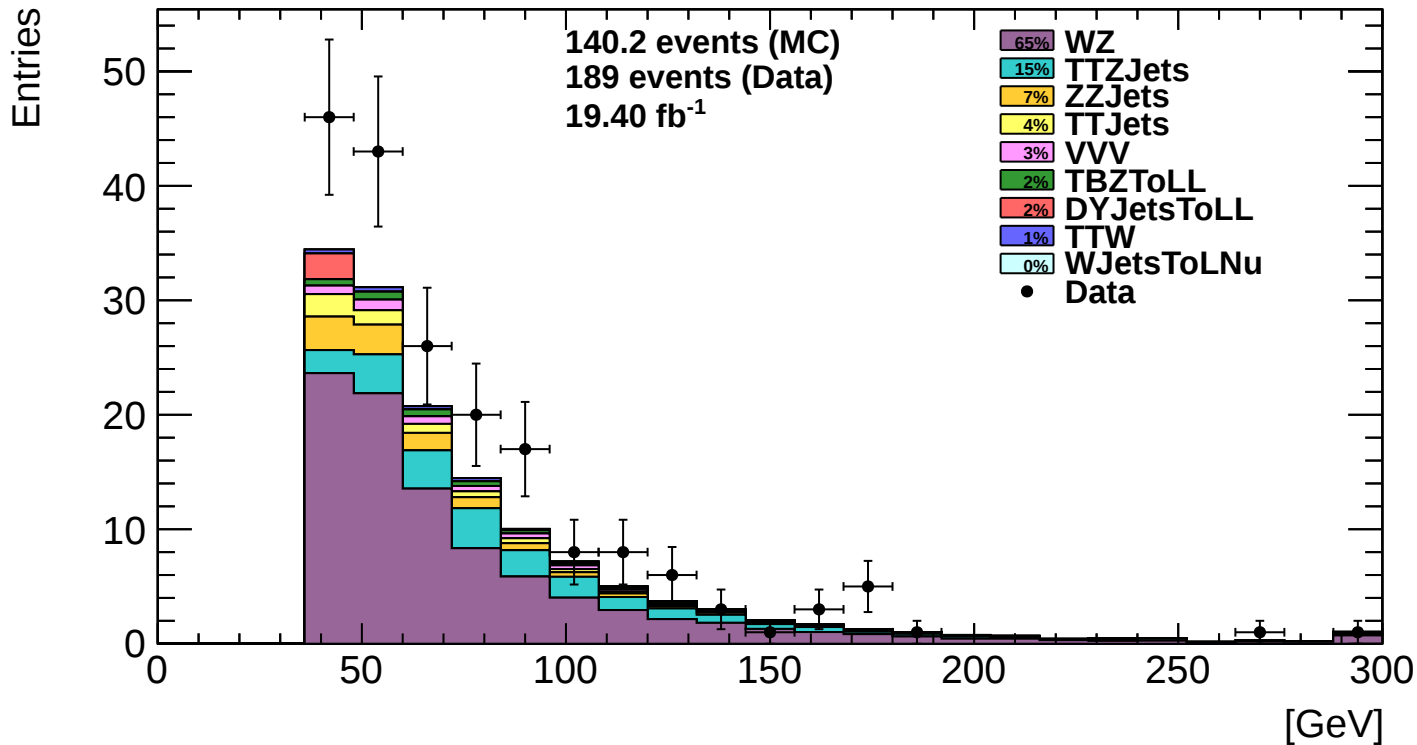


$j1 p_T$ 

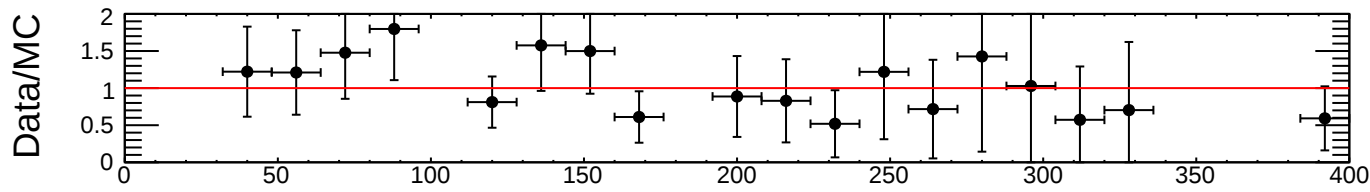
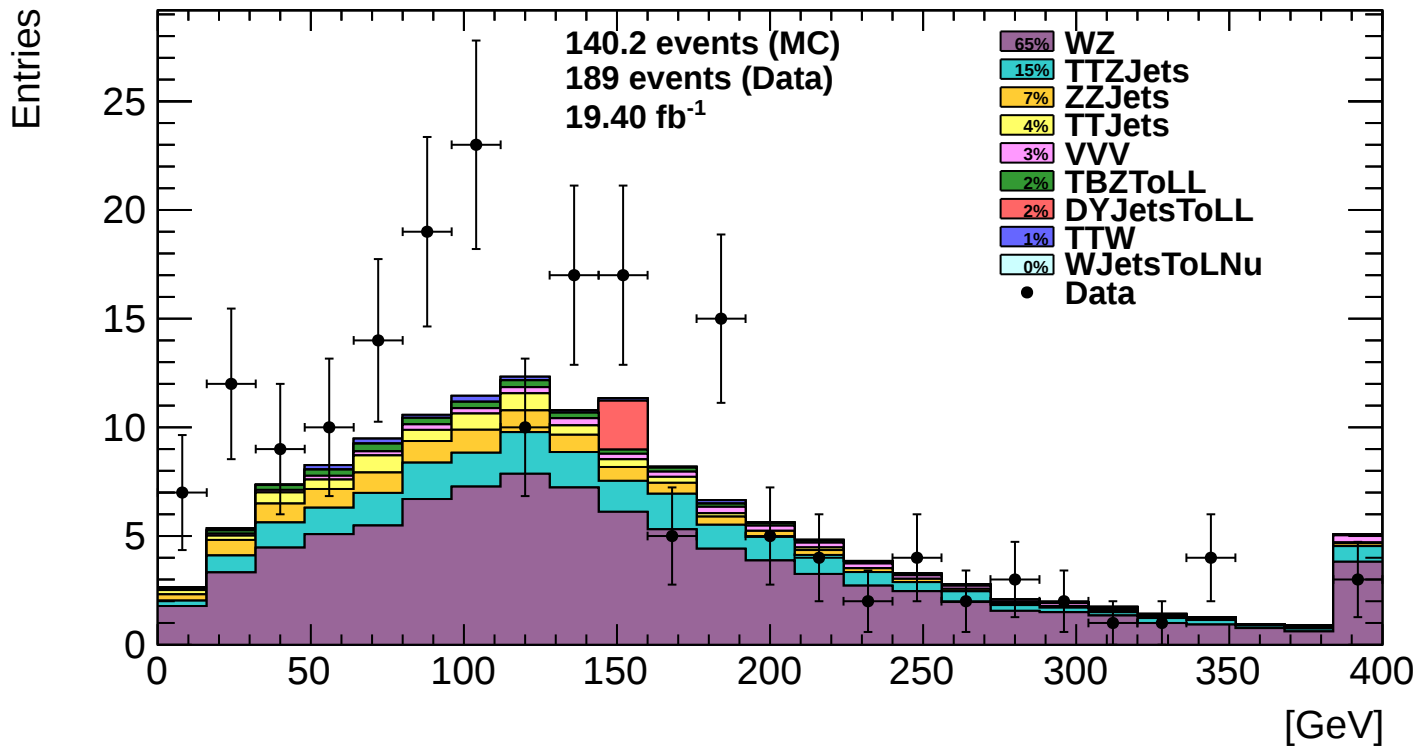
$j_2 p_T$

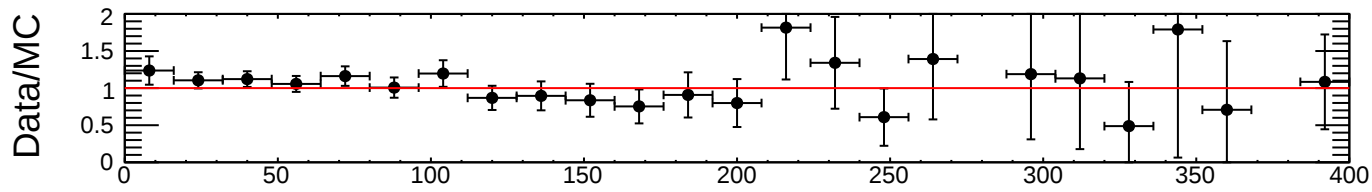
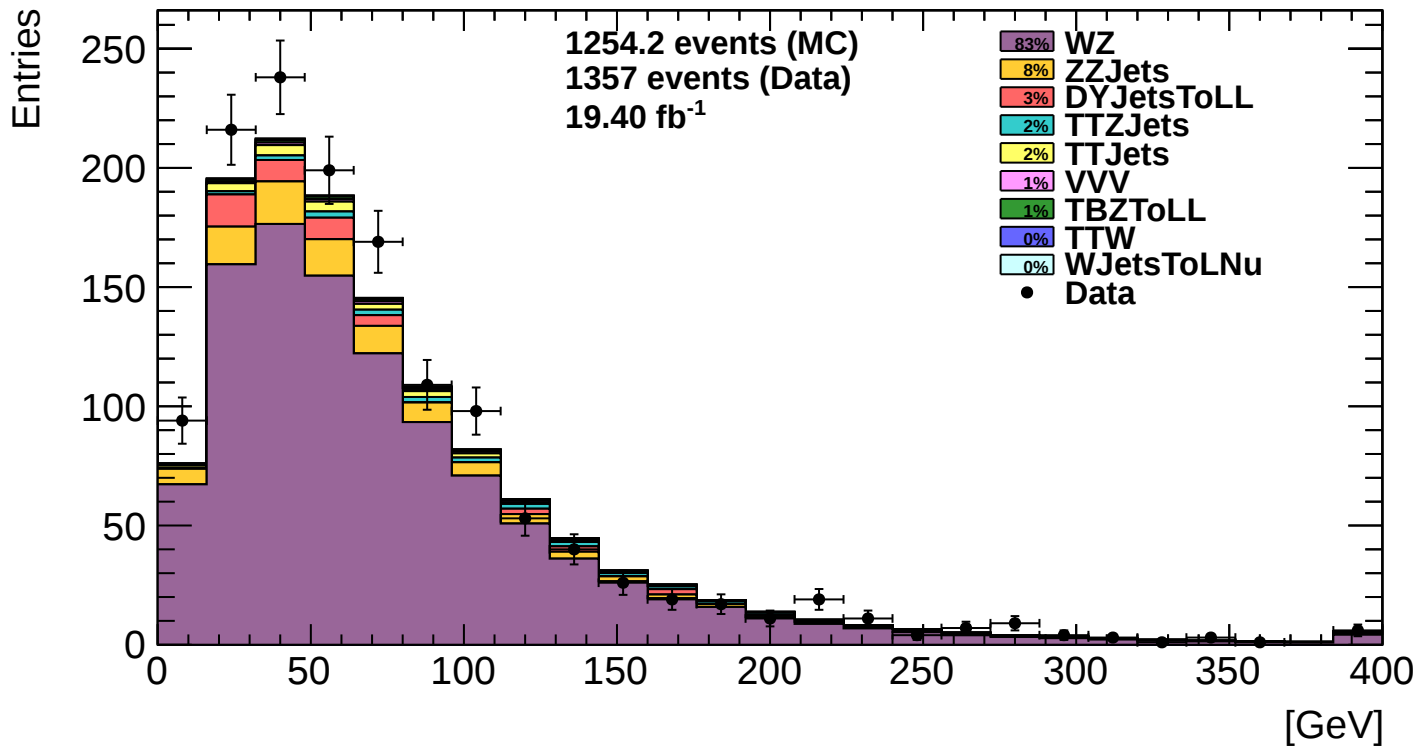
140.2 events (MC)

189 events (Data)

19.40 fb⁻¹

j1j2 p_T



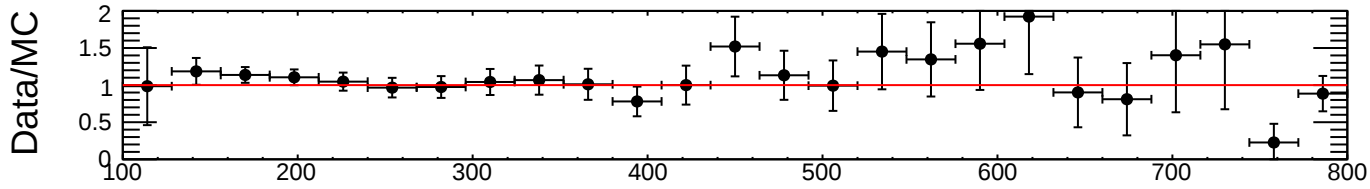
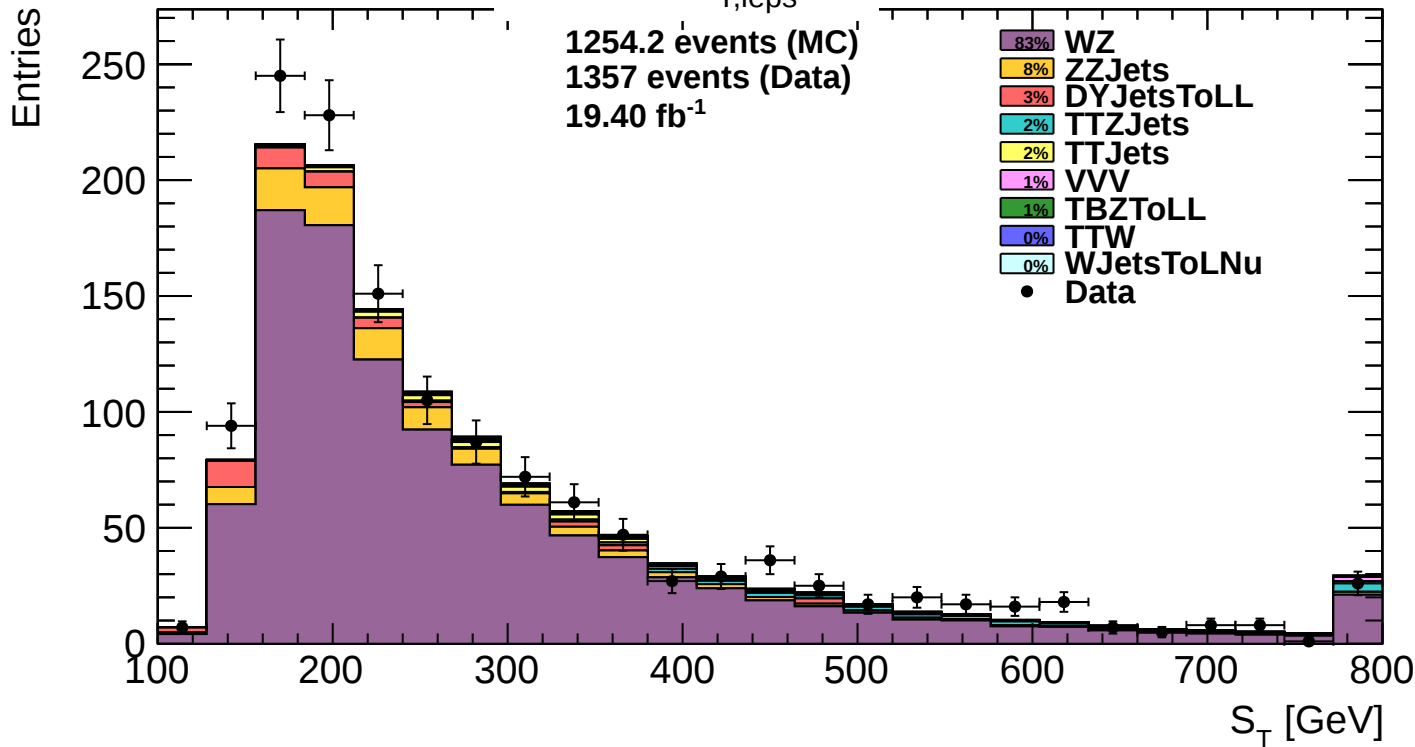
$Z p_T$ 

$$S_T = H_T + \sum p_{T, \text{lept}} + \cancel{E}_T$$

1254.2 events (MC)

1357 events (Data)

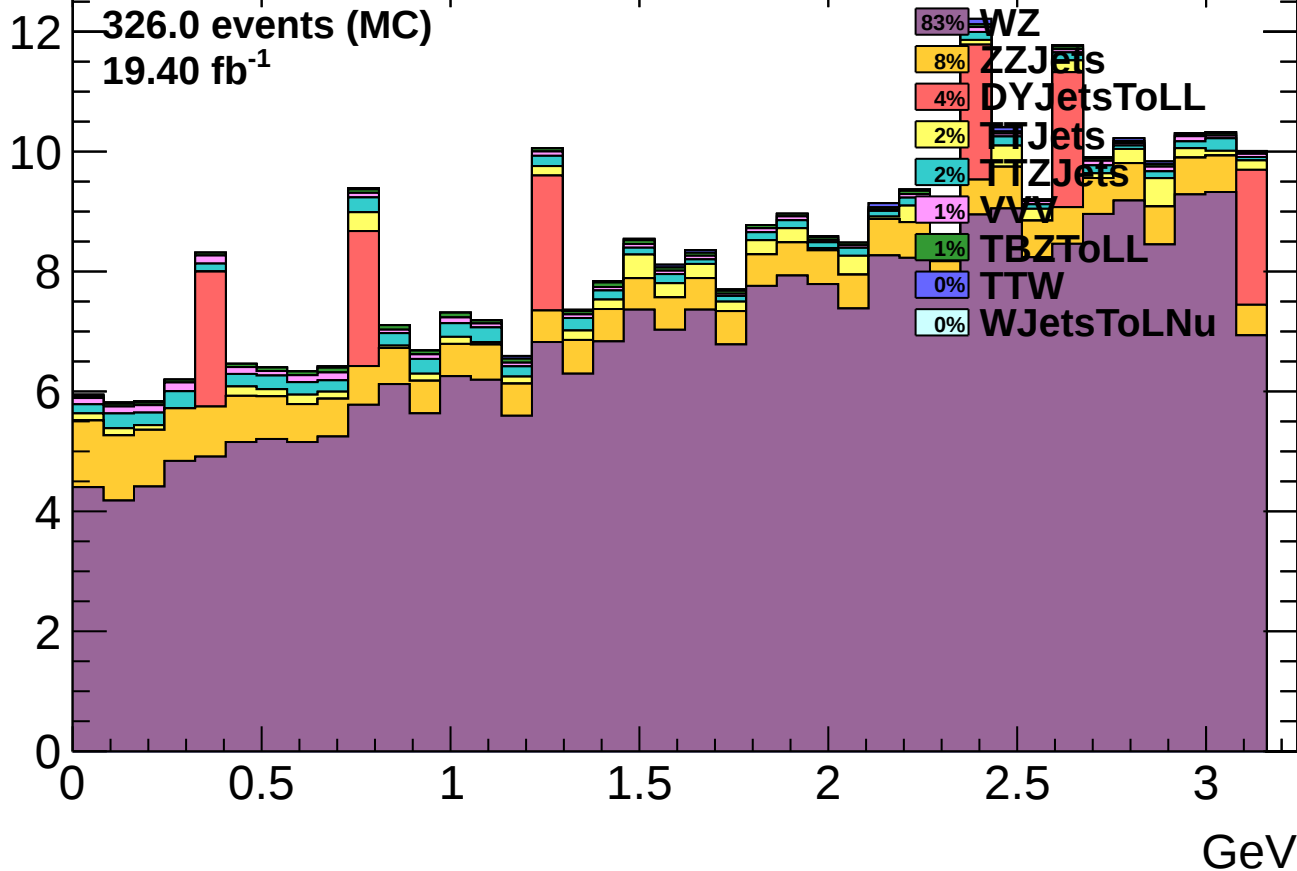
19.40 fb⁻¹



dphi(met,e)

Entries

326.0 events (MC)
19.40 fb⁻¹

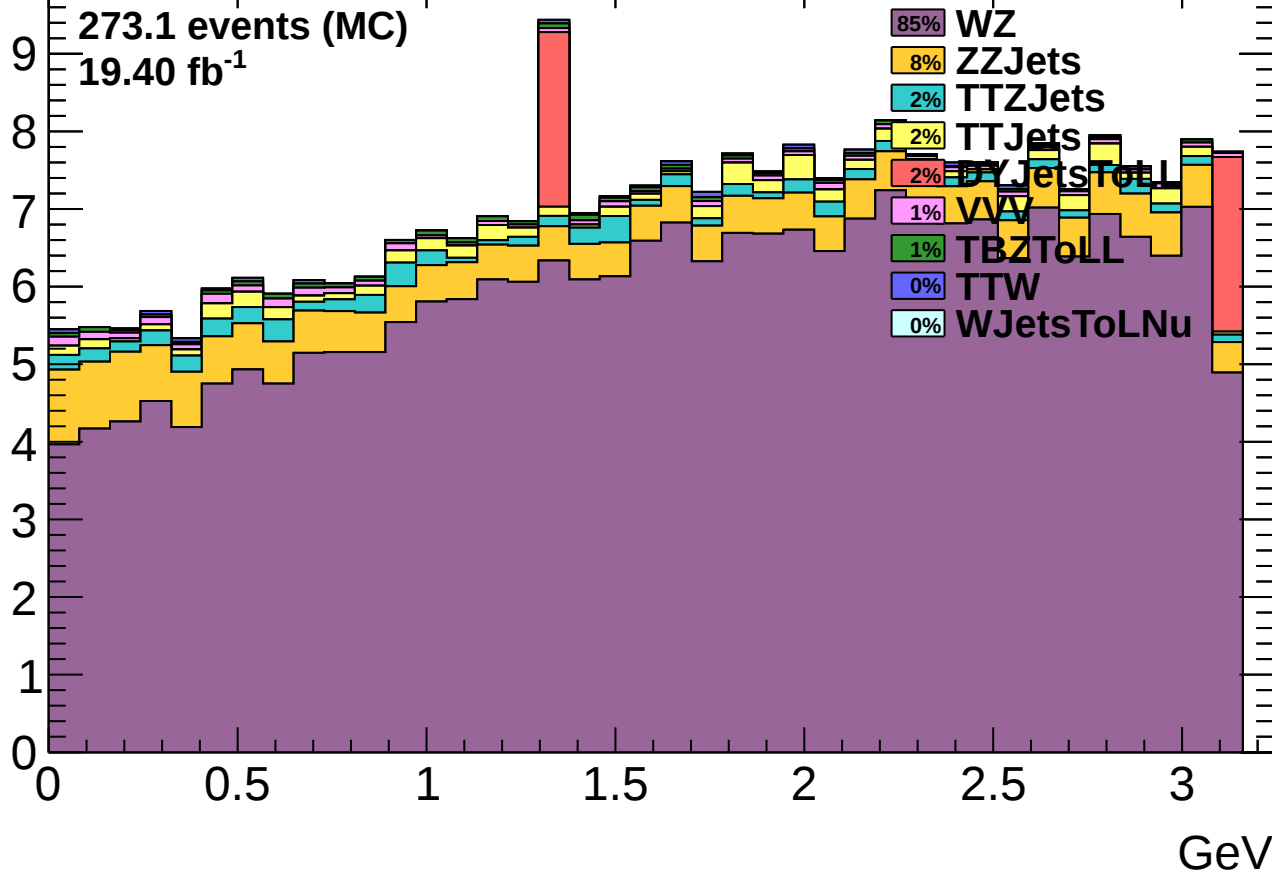


$d\phi(\text{met}, \mu)$

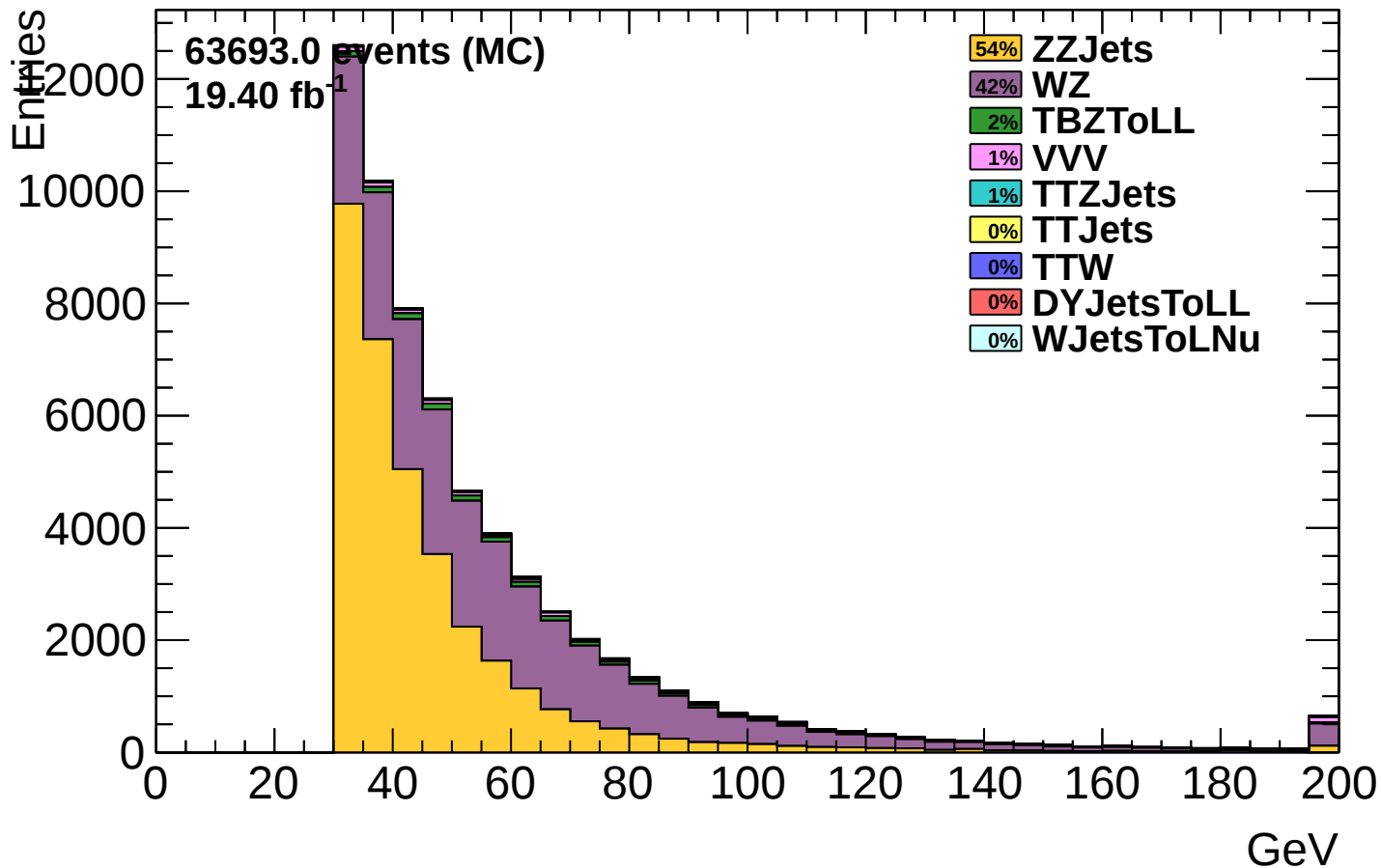
Entries

273.1 events (MC)

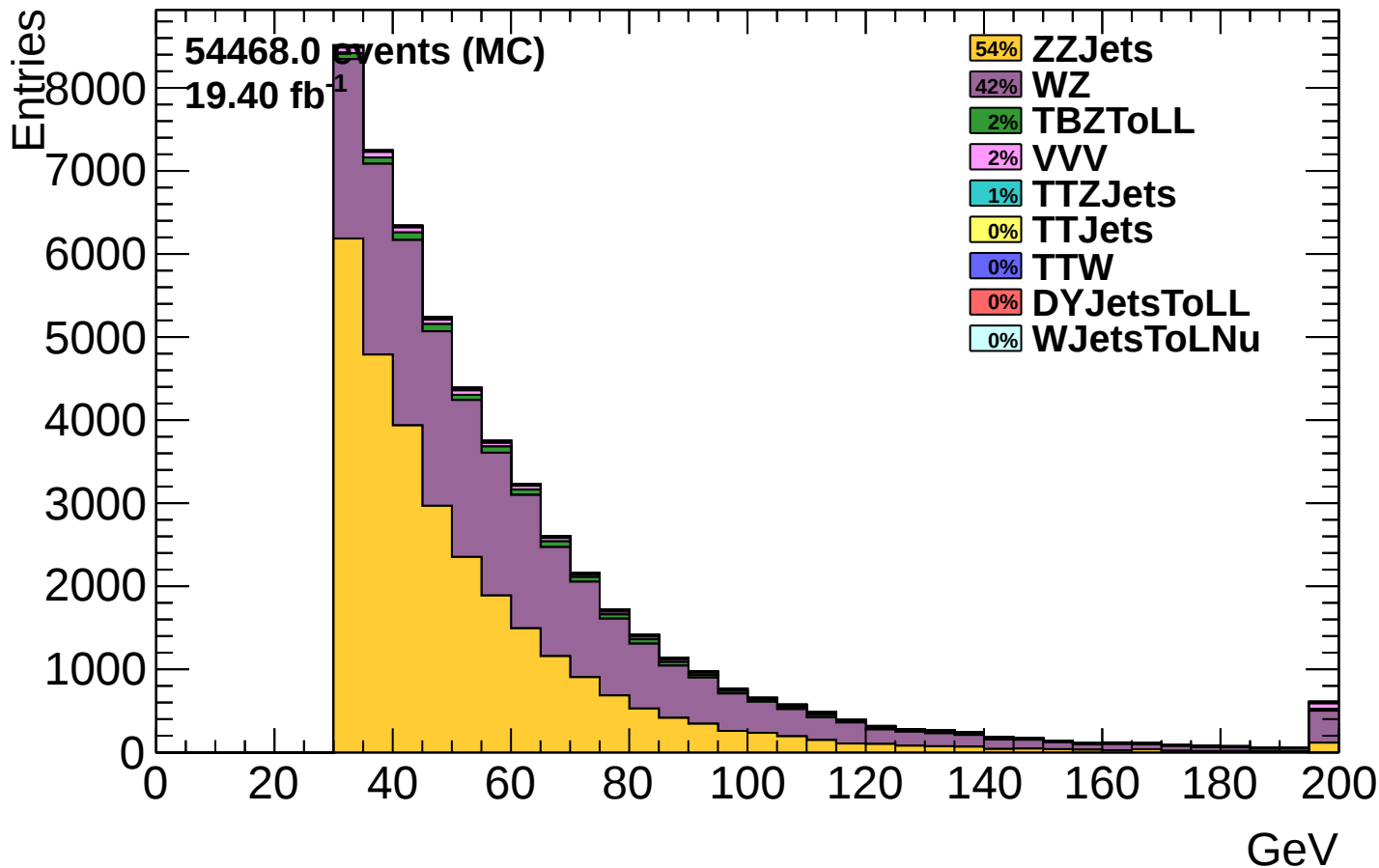
19.40 fb⁻¹



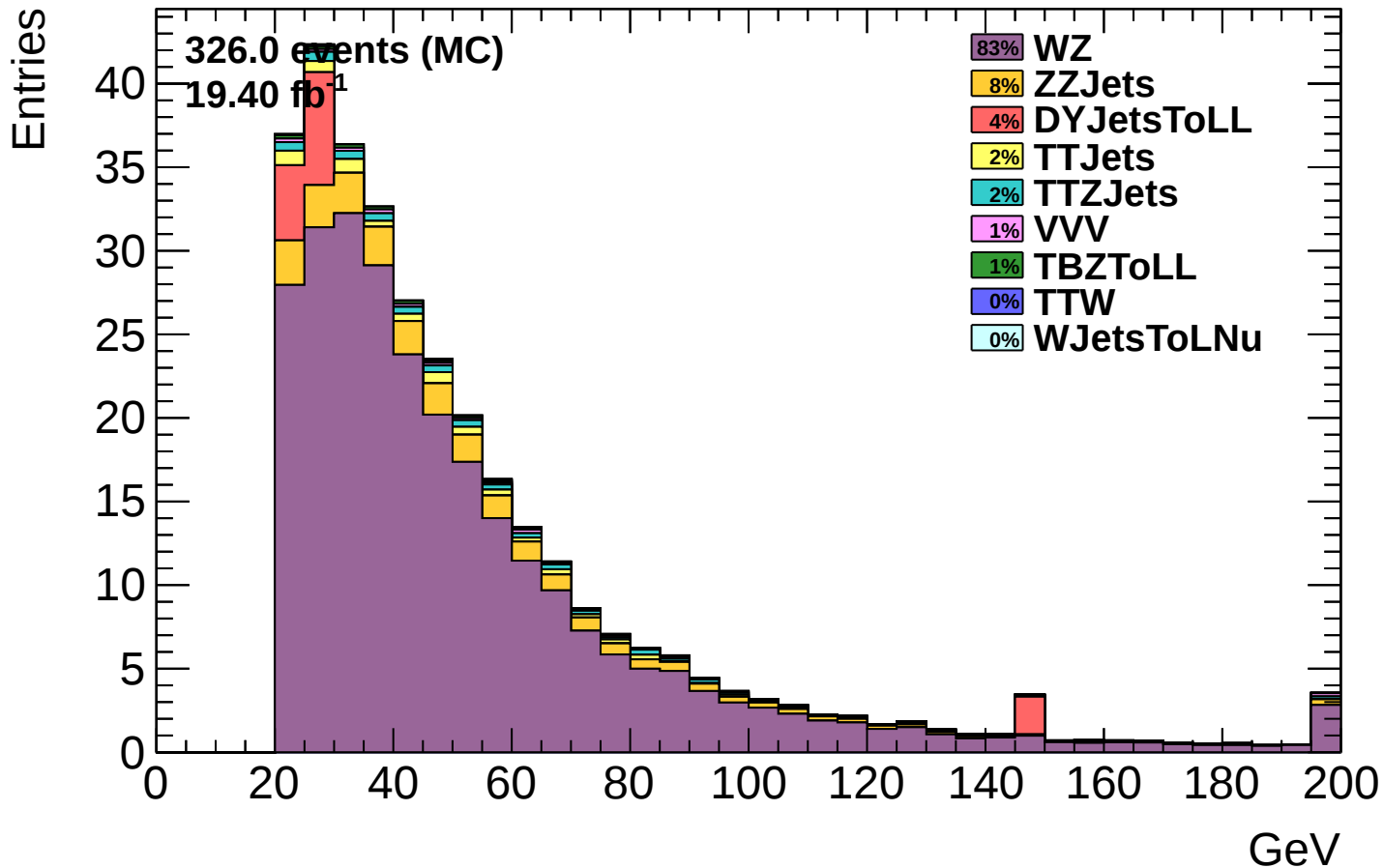
met for e



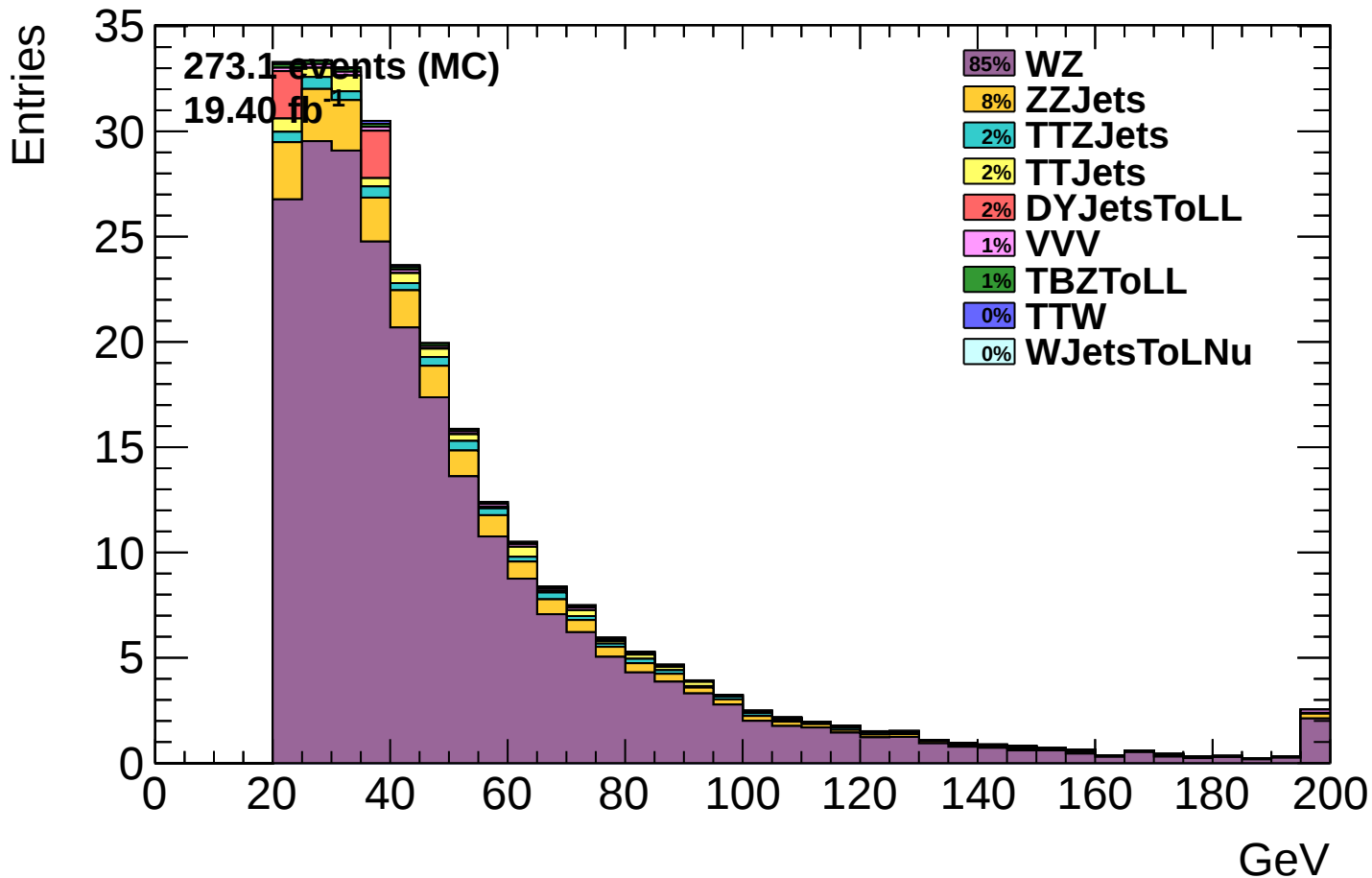
met for mu



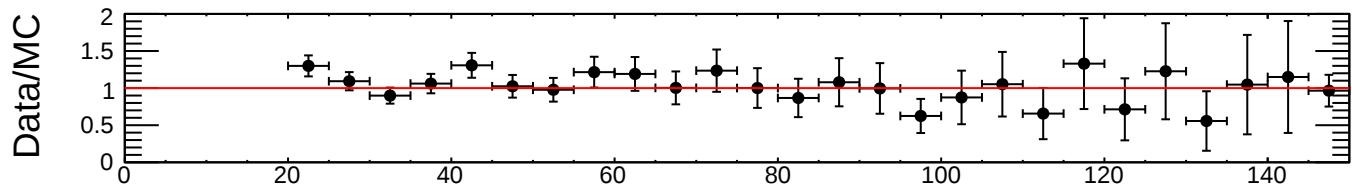
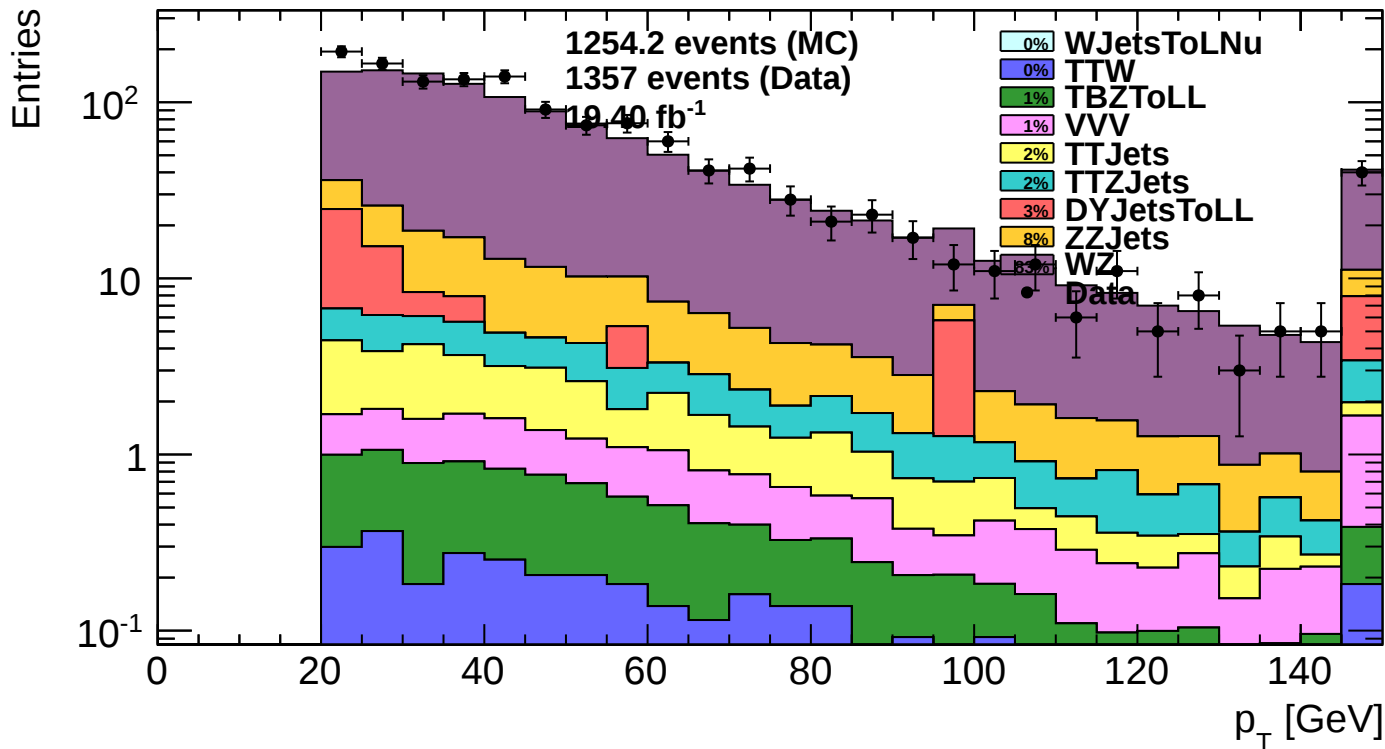
pt for e



pt for mu



W lepton p_T



Z Mass

