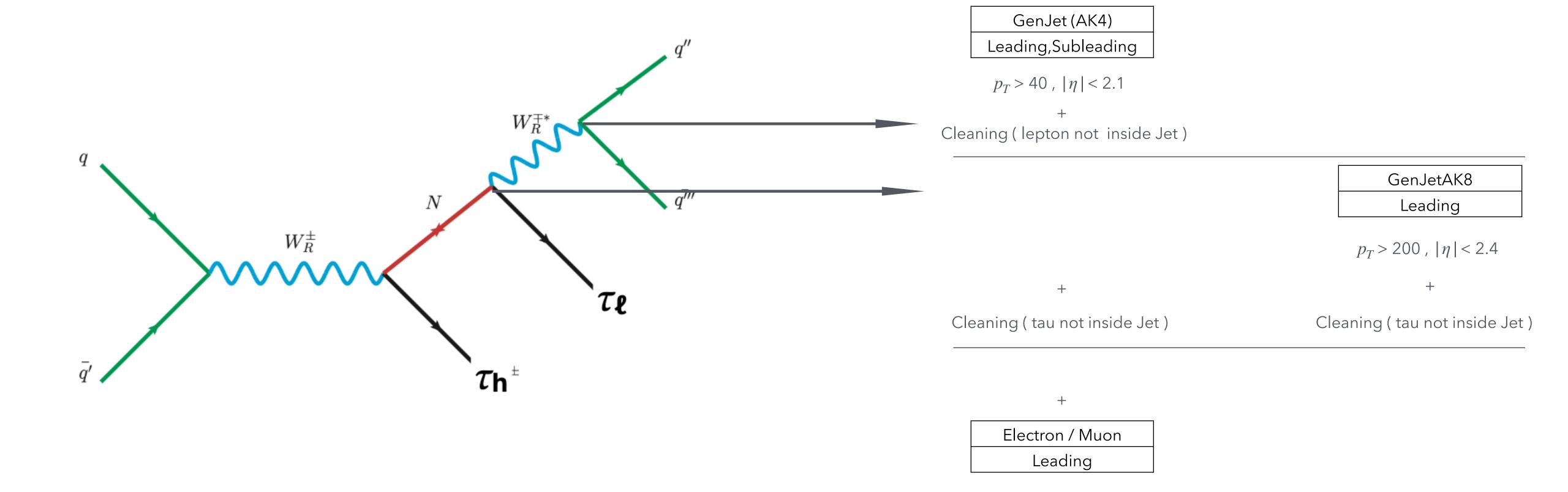
Genlevel W_R & N reconstruction for

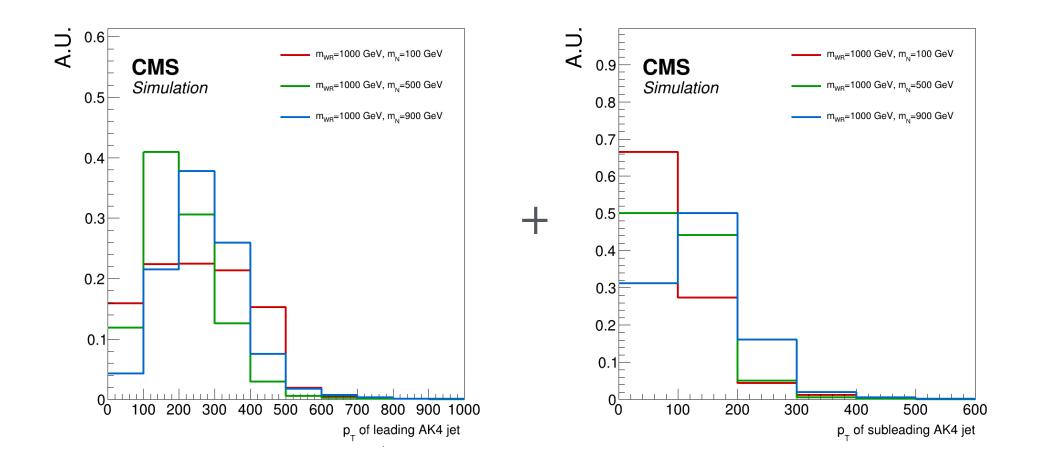
Leptonic τ decay to e/μ

Nreconstruction

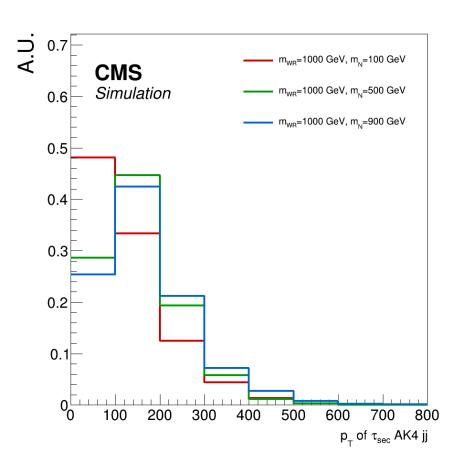


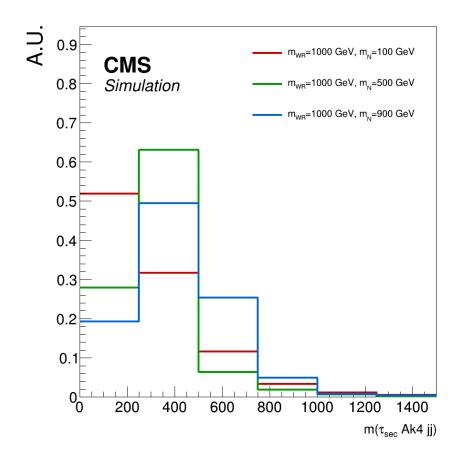
N reco by AK4

N reco by AK8



Electron / Muon Leading





N reco by AK4

GenJet (AK4)
Leading,Subleading

 $p_T > 40$, $|\eta| < 2.1$

+

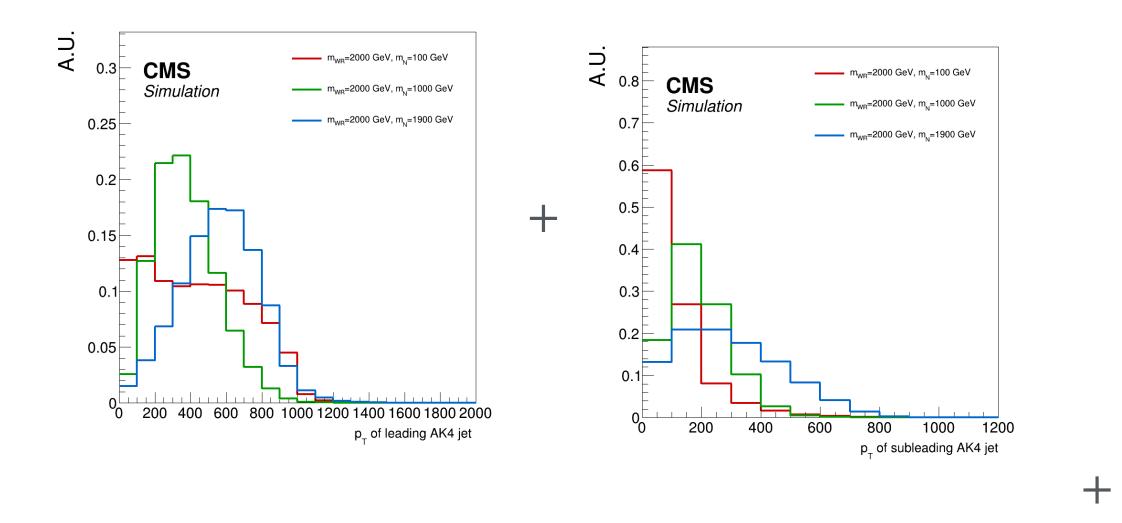
Cleaning (lepton not inside Jet)

+

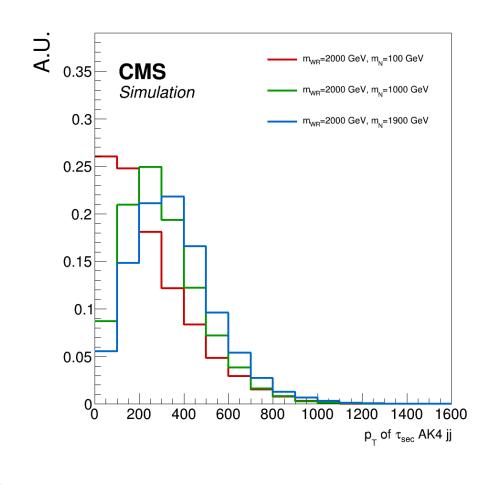
Cleaning (tau not inside Jet)

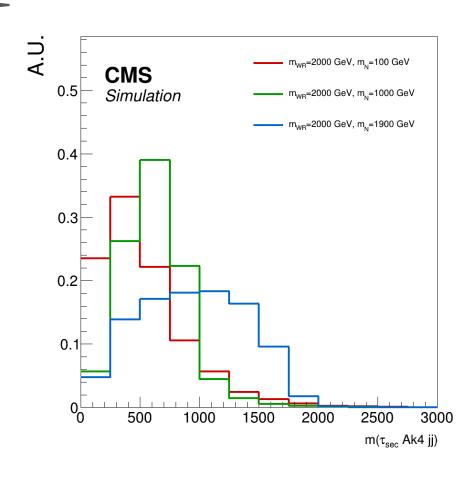
Sample: W_R 1000 GeV (N100, N500, N900)

+



Electron / Muon Leading





N reco by AK4

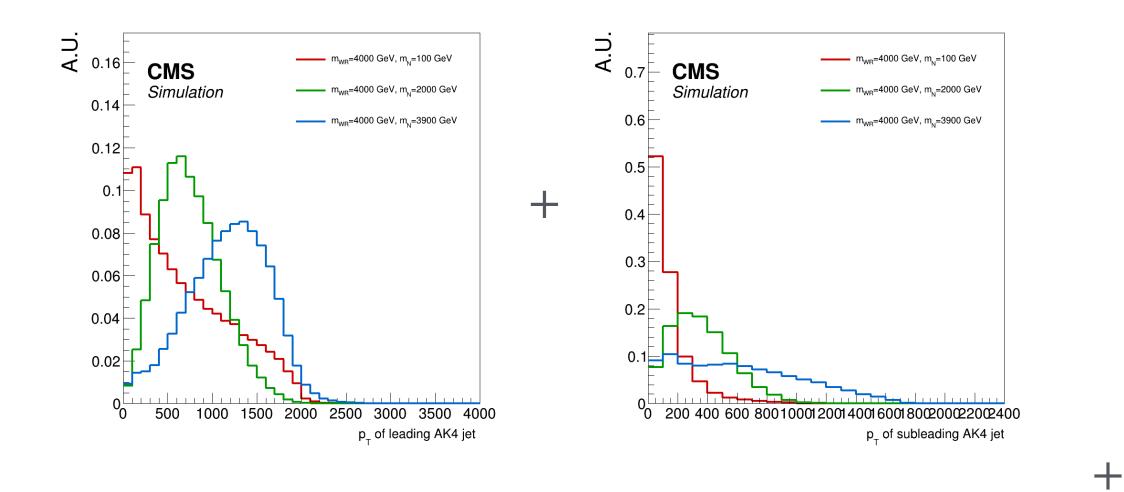
GenJet (AK4) Leading,Subleading

 $p_T > 40$, $|\eta| < 2.1$

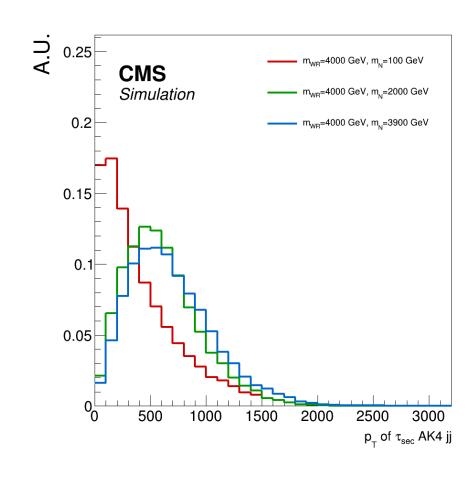
Cleaning (lepton not inside Jet)

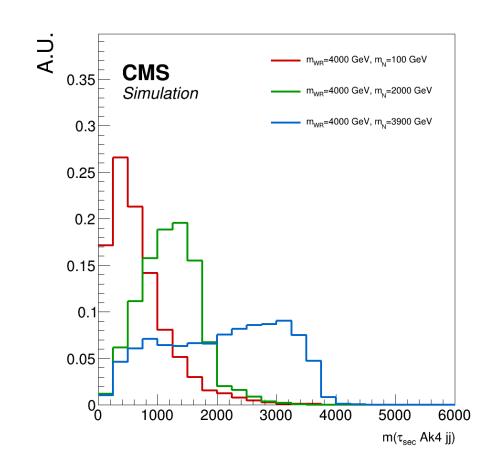
•

Cleaning (tau not inside Jet)



Electron / Muon Leading





N reco by AK4

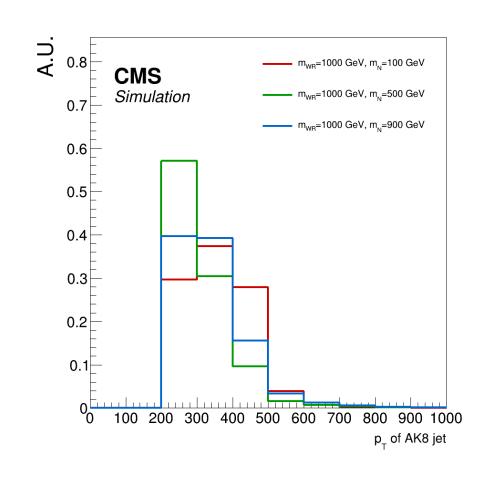
GenJet (AK4)
Leading,Subleading

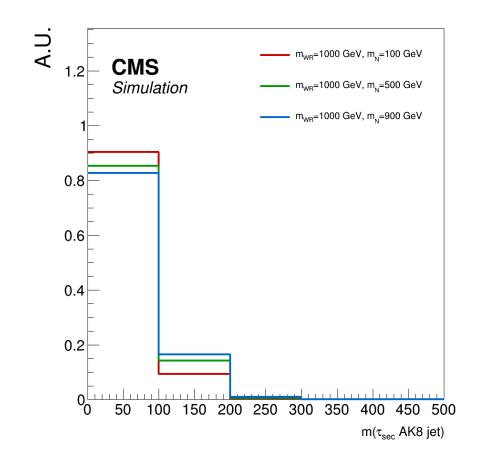
 $p_T > 40$, $|\eta| < 2.1$

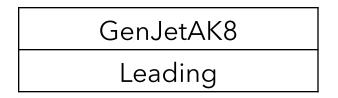
Cleaning (lepton not inside Jet)

+

Cleaning (tau not inside Jet)





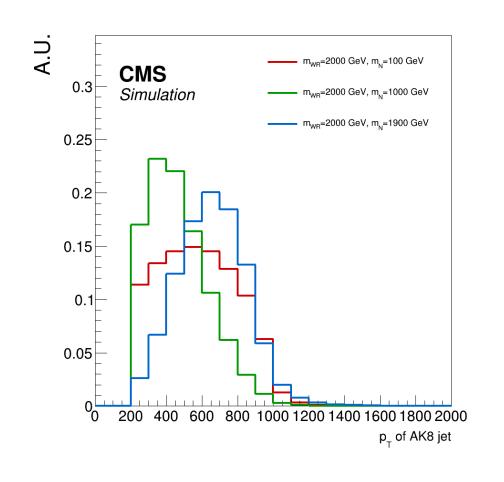


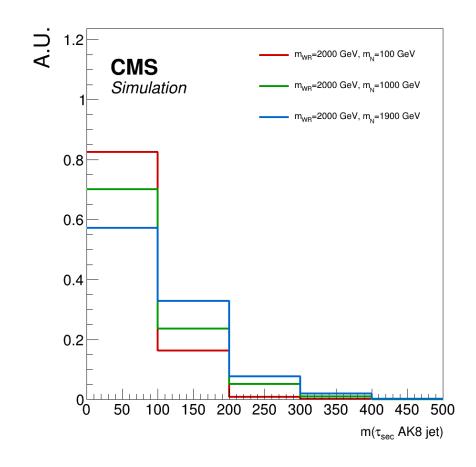
 $p_T > 200$, $|\eta| < 2.4$

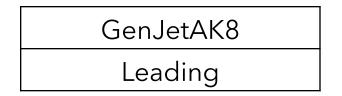
+

Cleaning (tau not inside Jet)

N reco by AK8





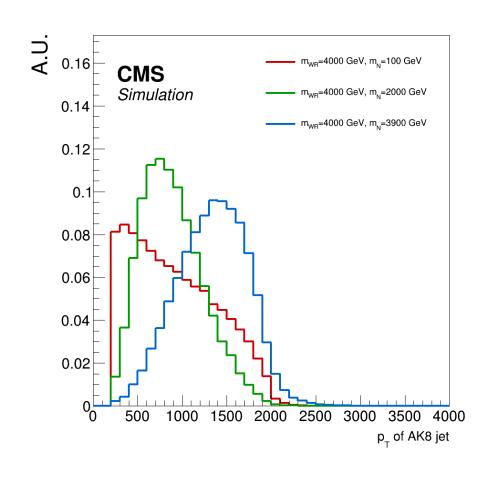


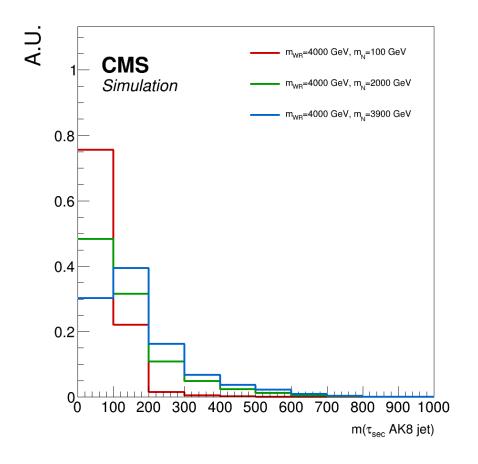
 $p_T > 200$, $|\eta| < 2.4$

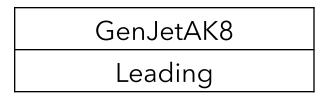
+

Cleaning (tau not inside Jet)

N reco by AK8







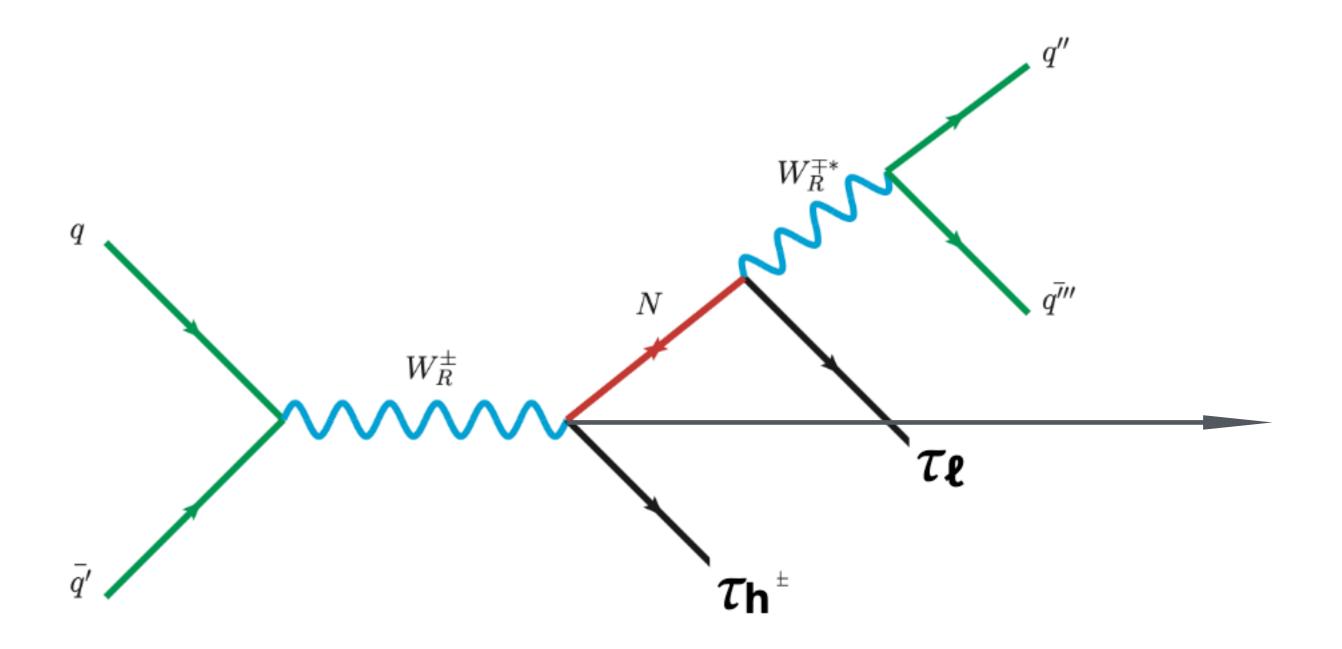
$$p_T > 200$$
 , $|\eta| < 2.4$

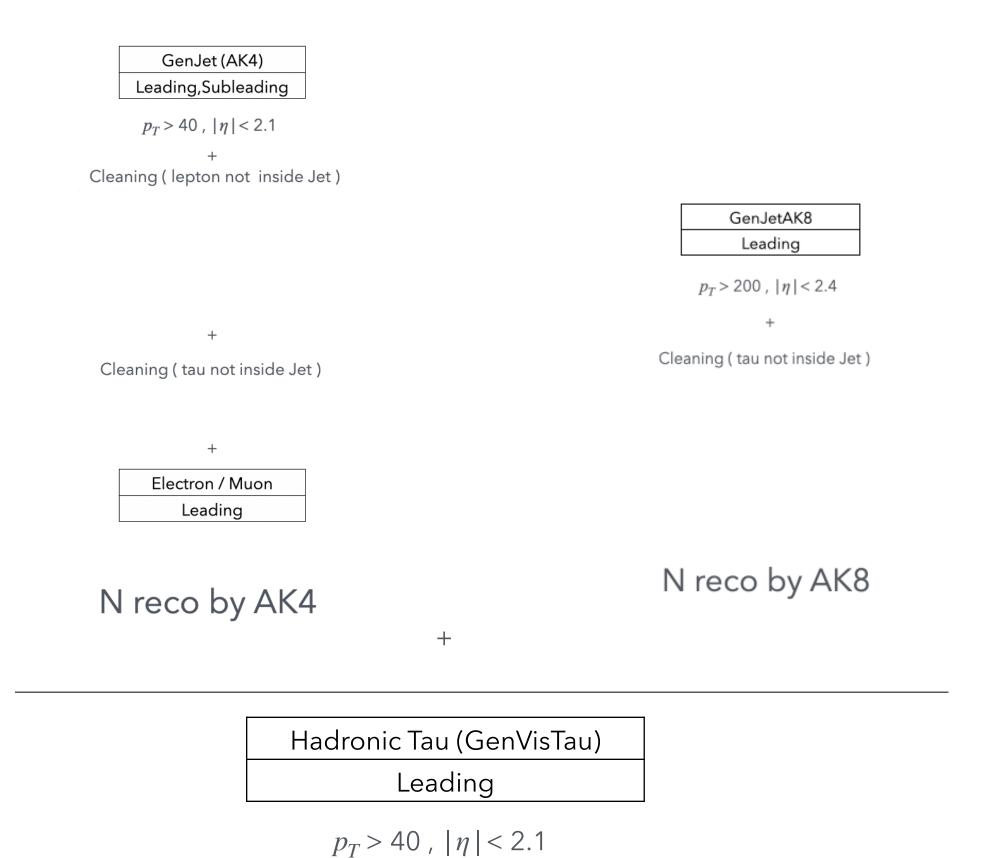
+

Cleaning (tau not inside Jet)

N reco by AK8

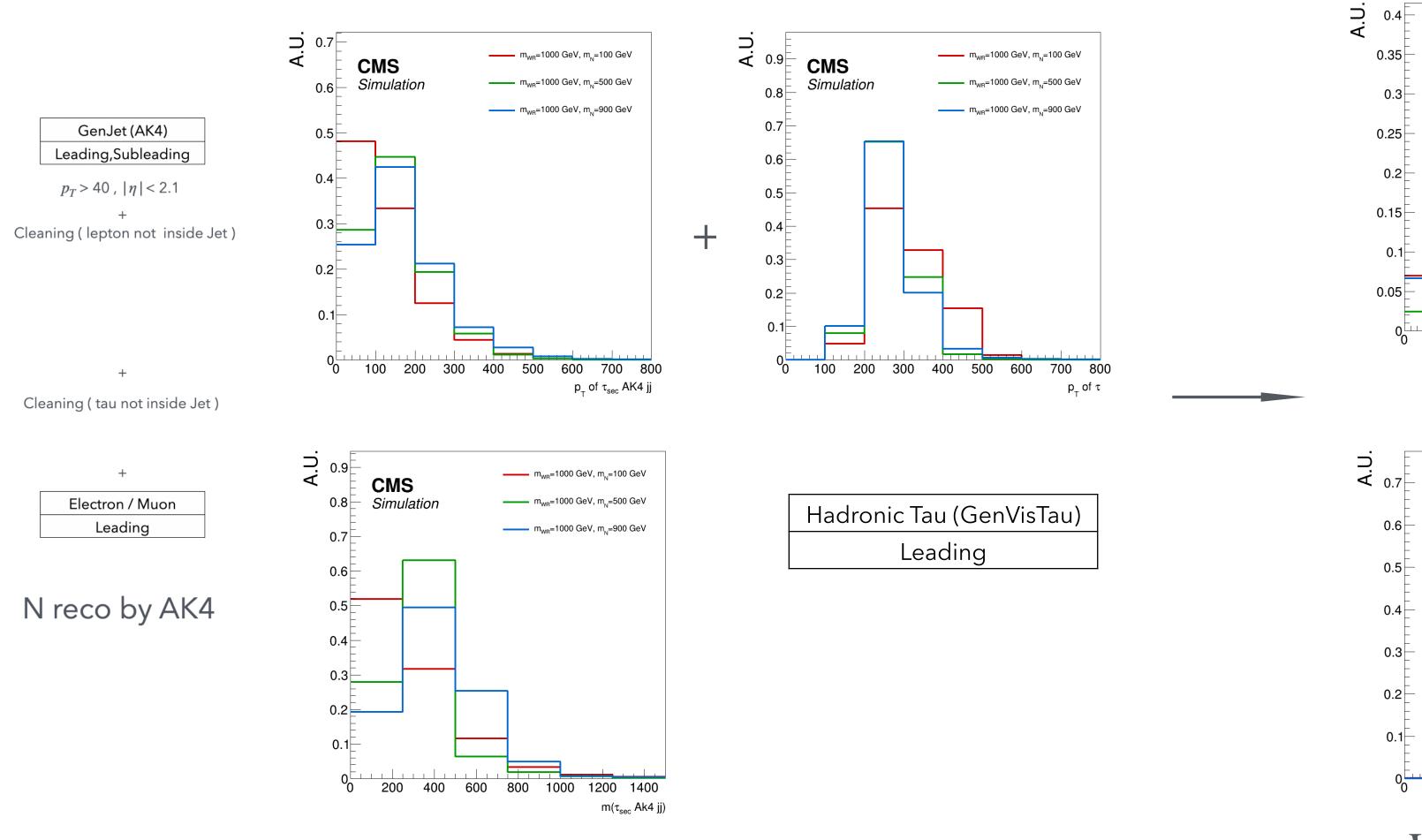
W_R reconstruction

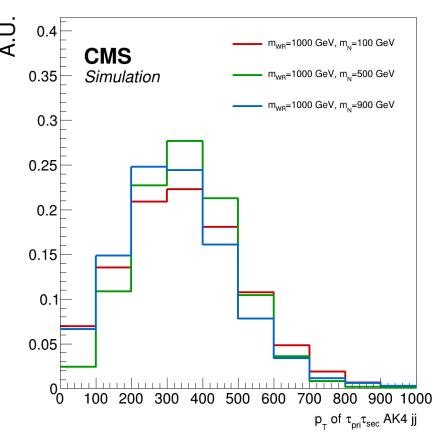


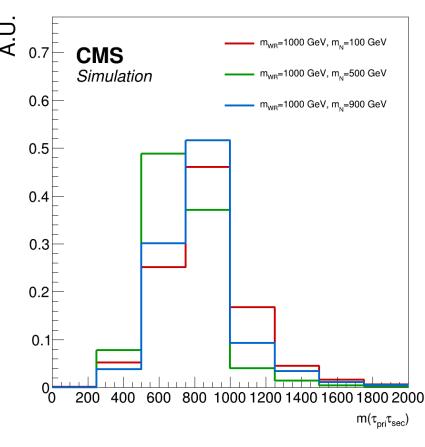


 W_R reco by AK4

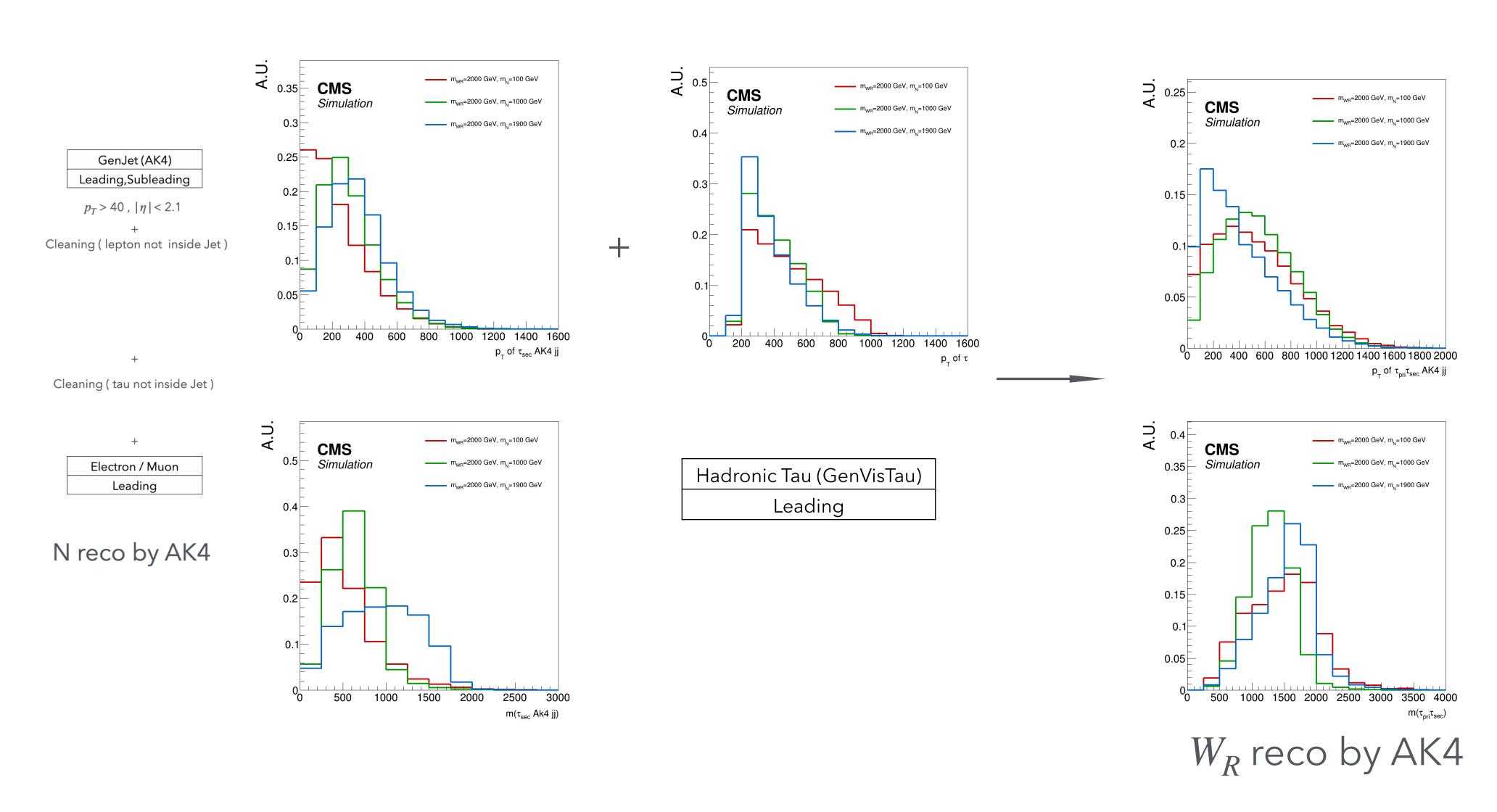
 W_R reco by AK8

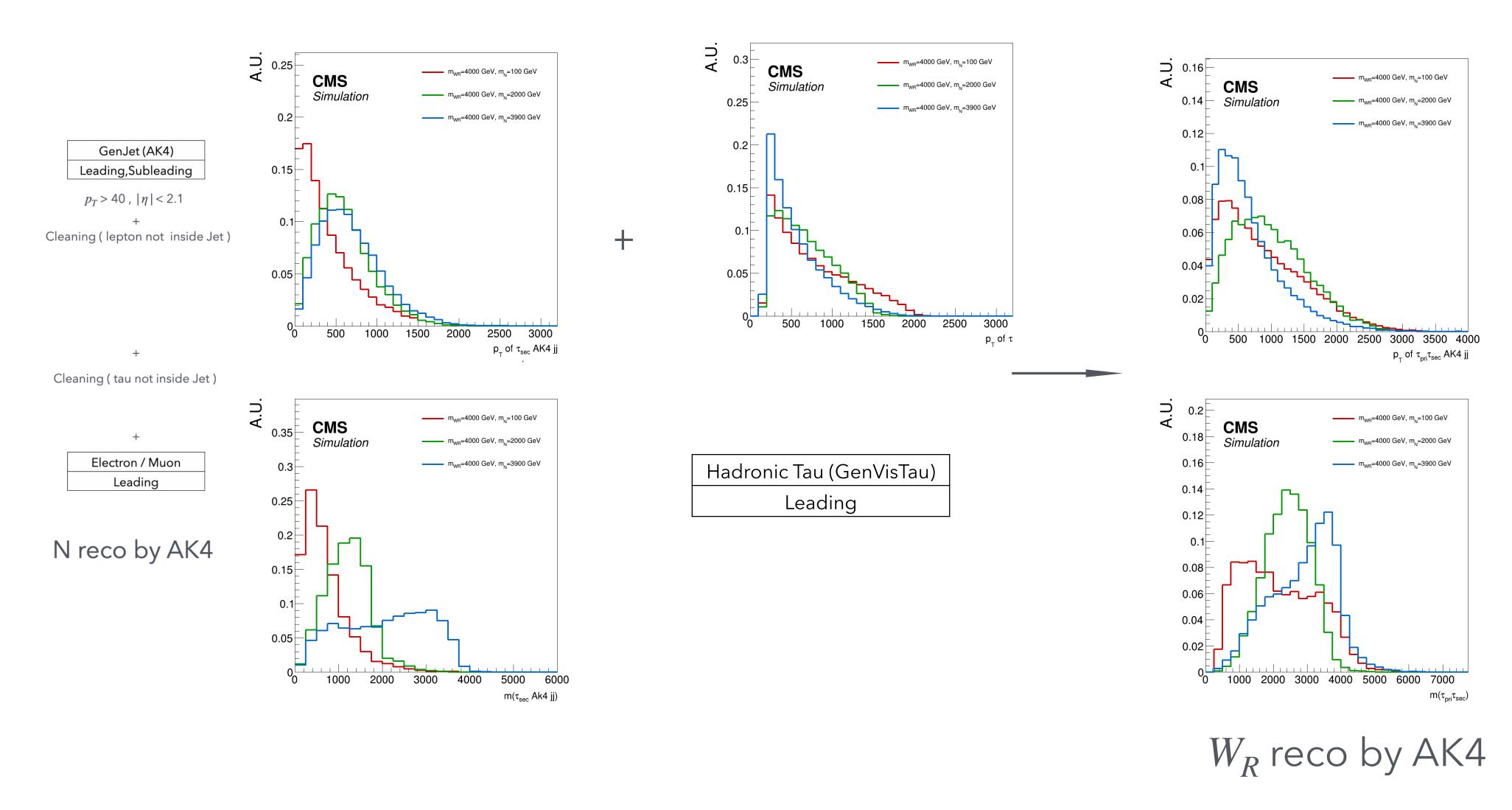


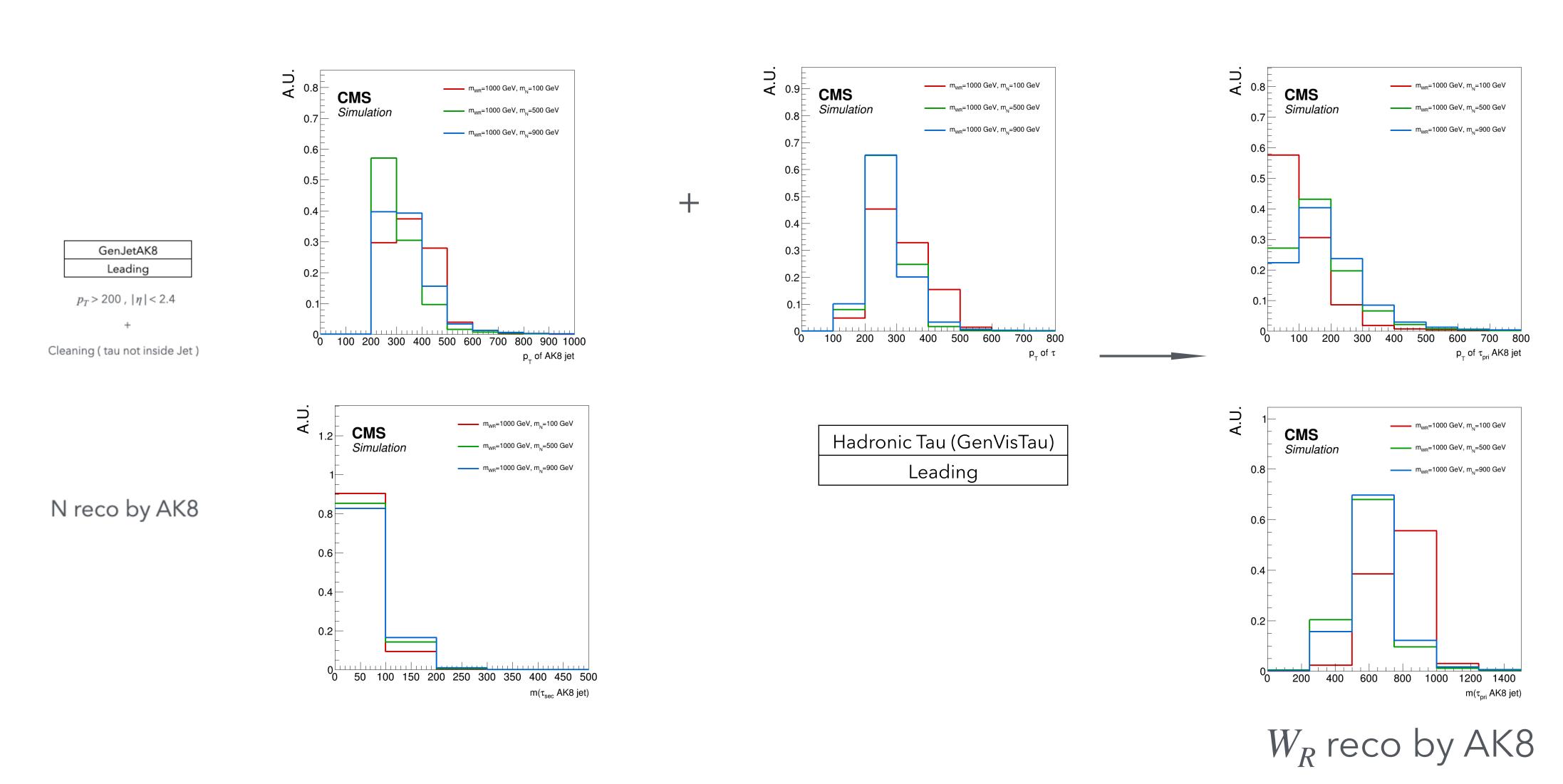


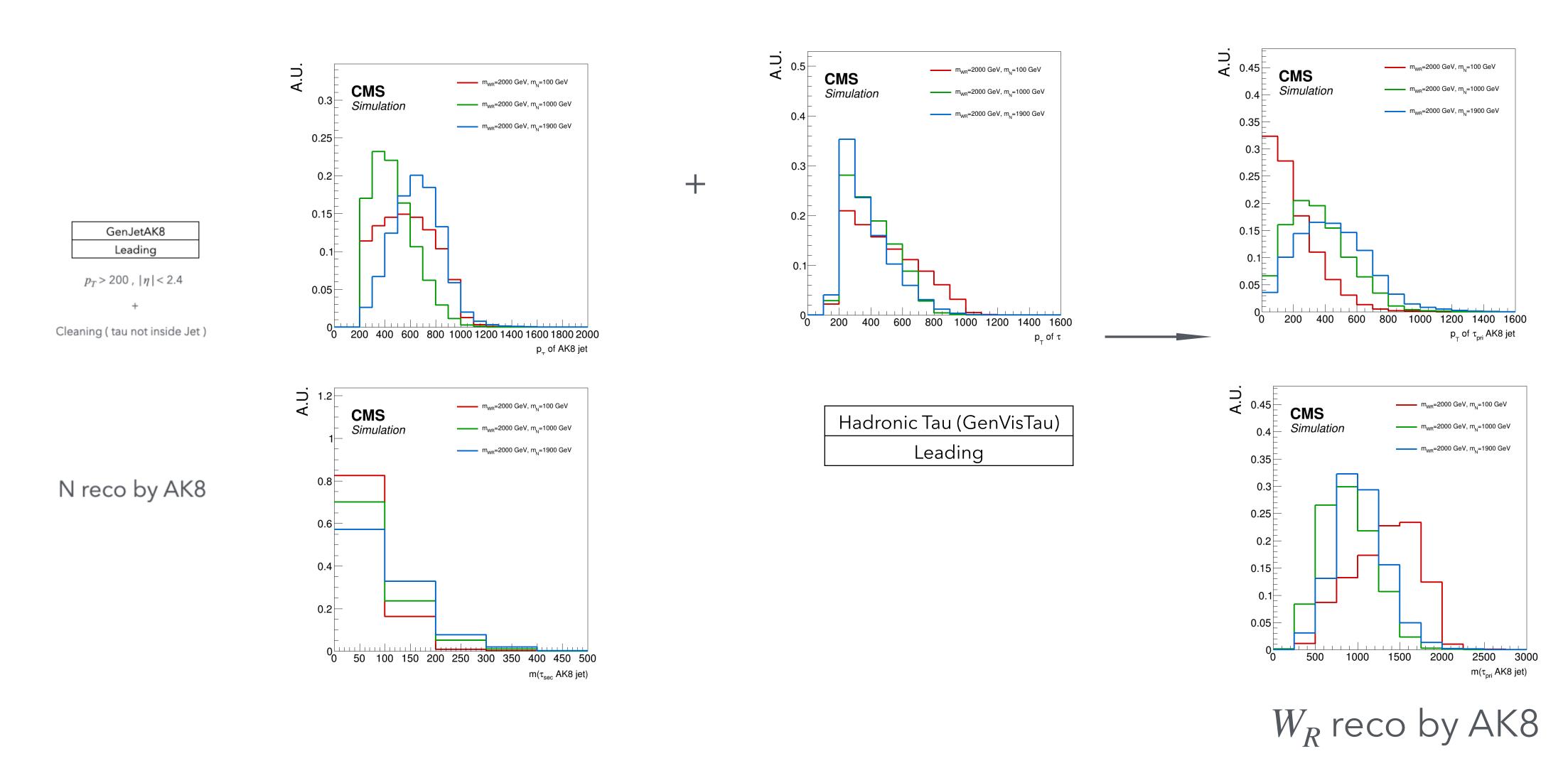


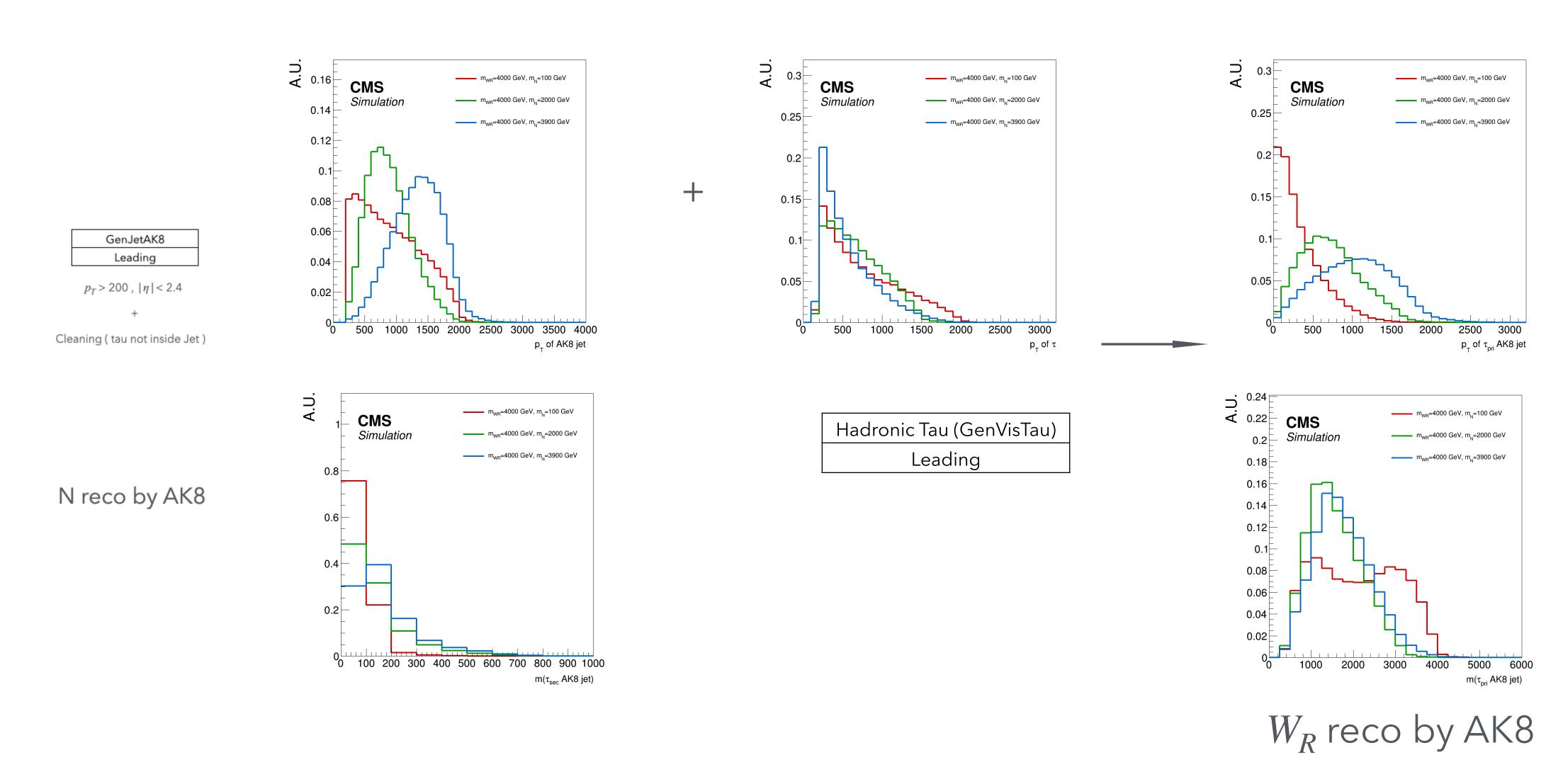
 W_R reco by AK4







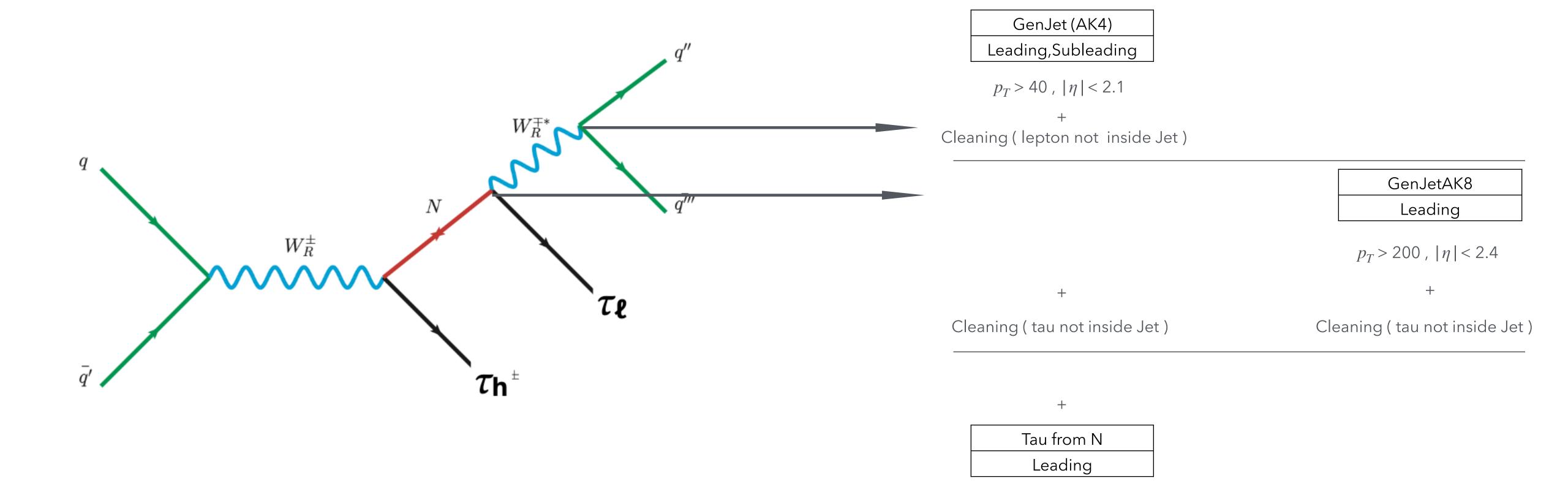




Back Up

Leptonic secondary tau \rightarrow not using e/mu , using tau from N (hadronic tau)

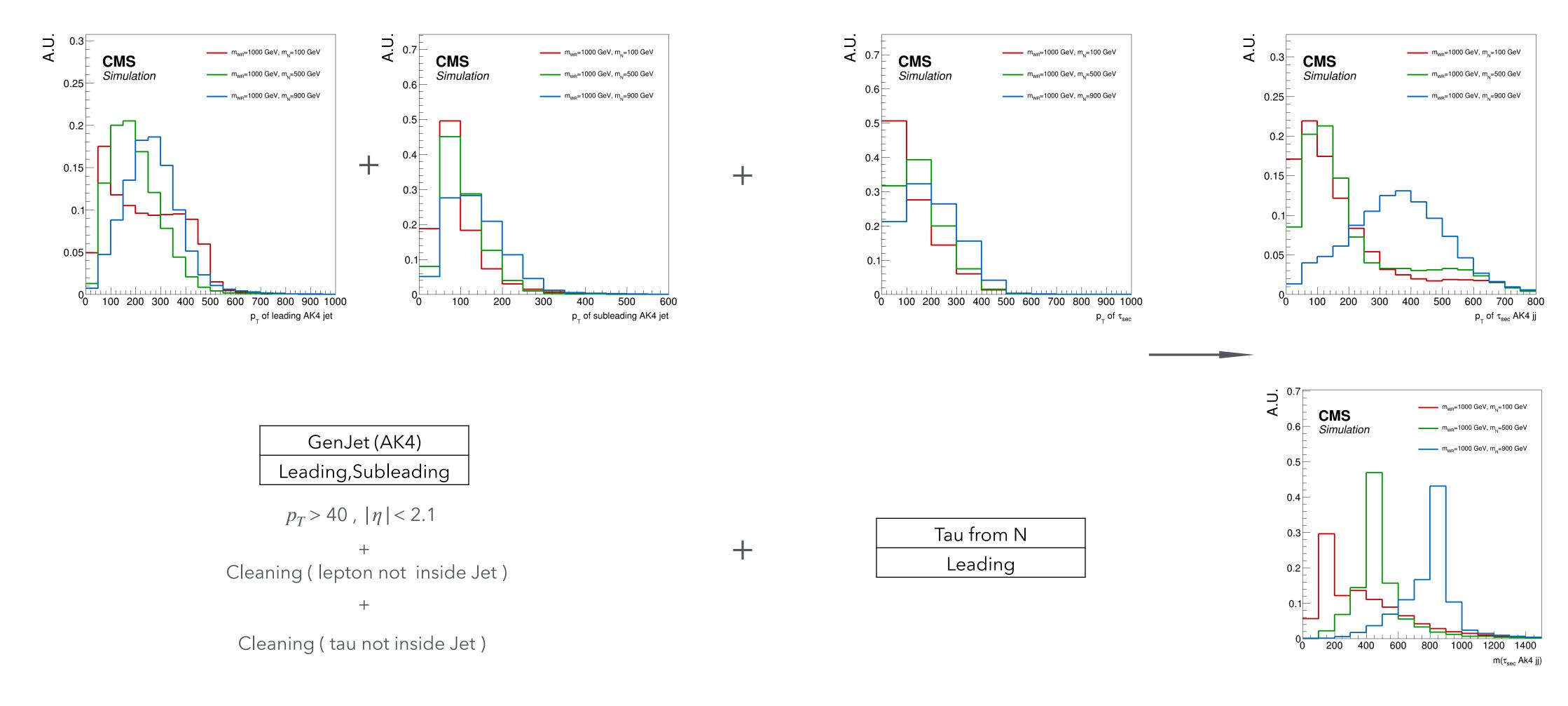
Nreconstruction



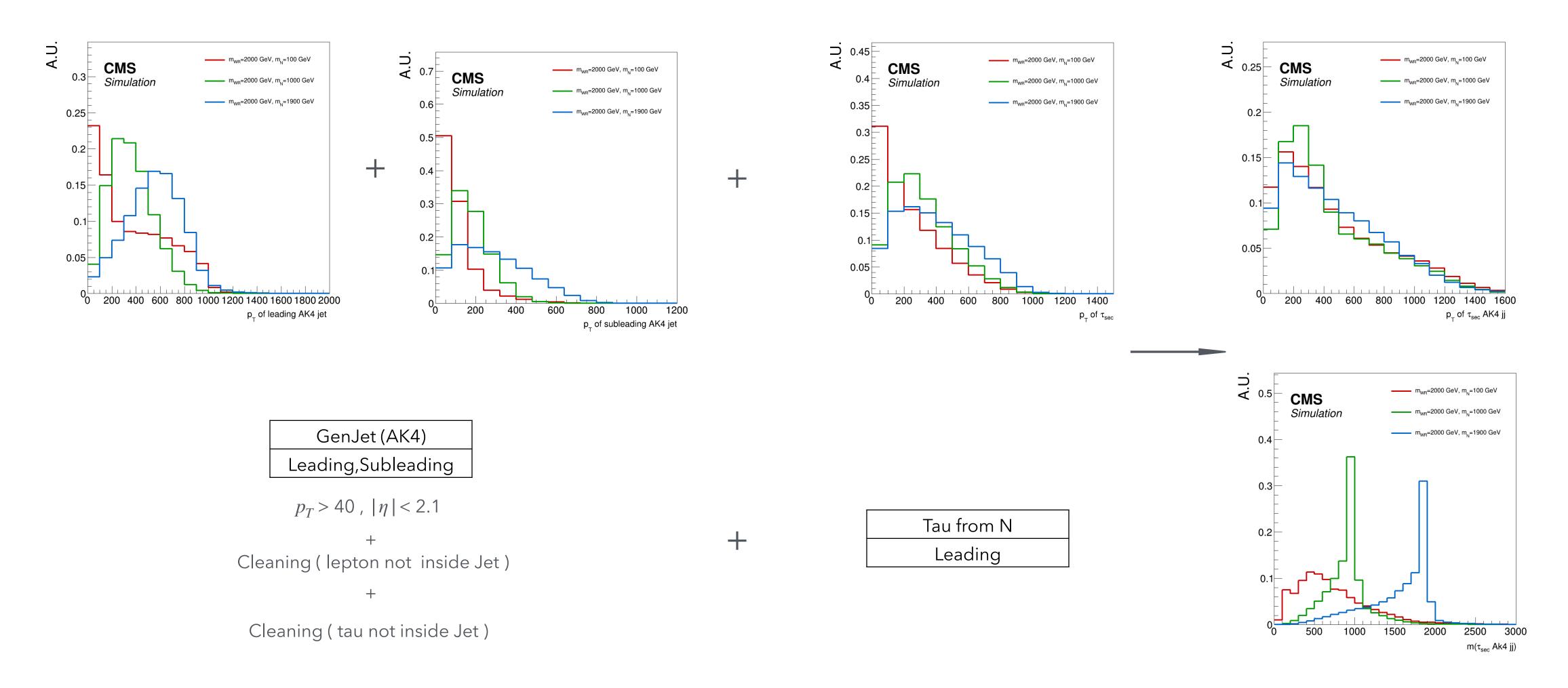
B1

N reco by AK4

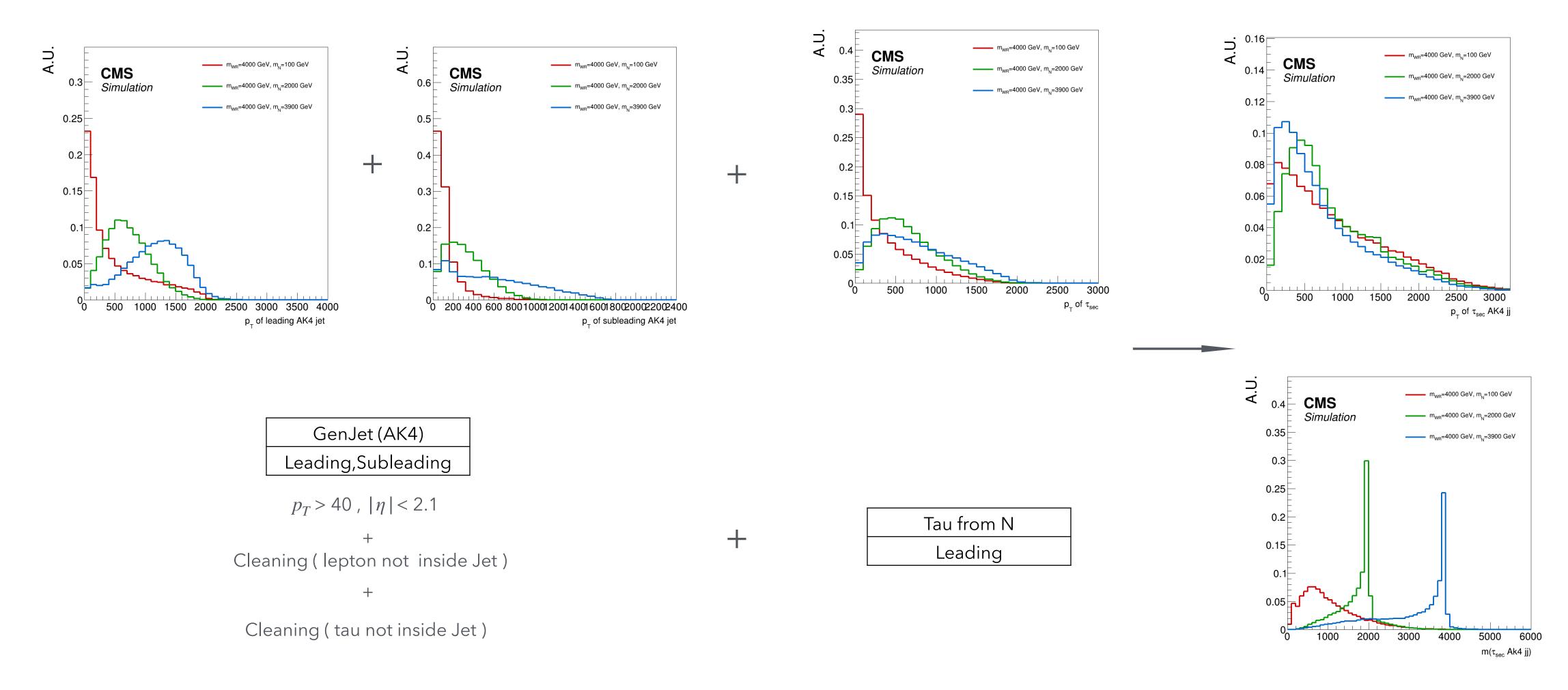
N reco by AK8



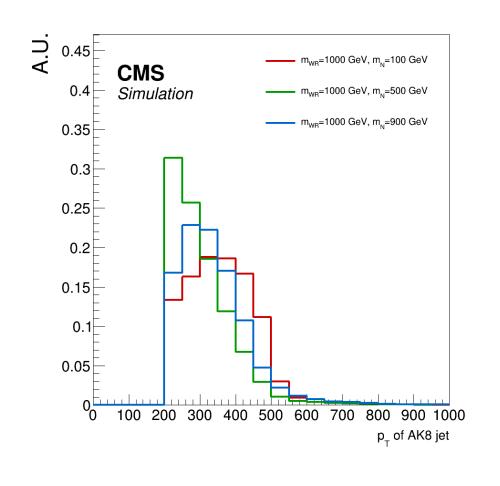
N reco by AK4

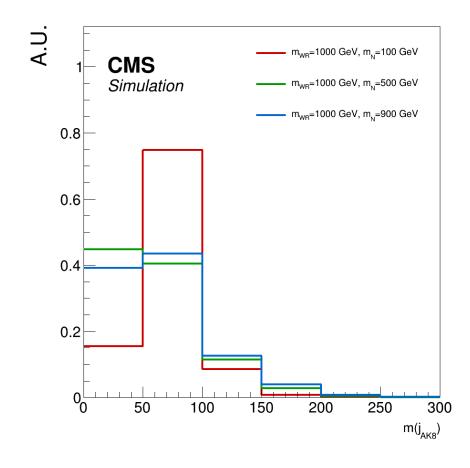


N reco by AK4



N reco by AK4





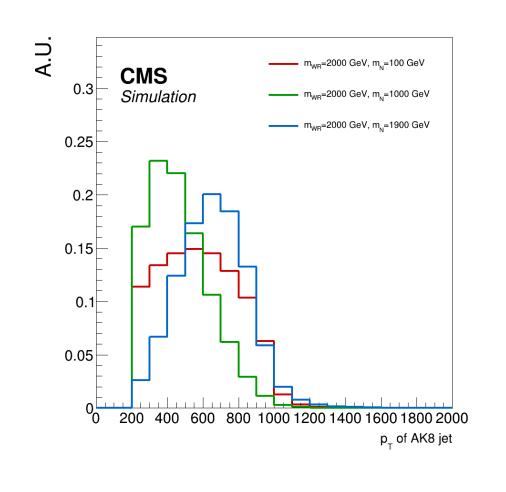
GenJetAK8 Leading

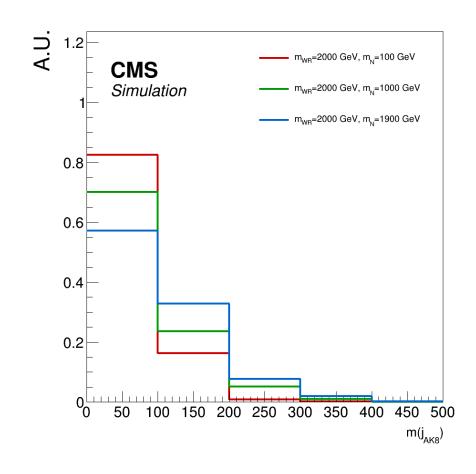
 $p_T > 200$, $|\eta| < 2.4$

+

Cleaning (tau not inside Jet)

N reco by AK8





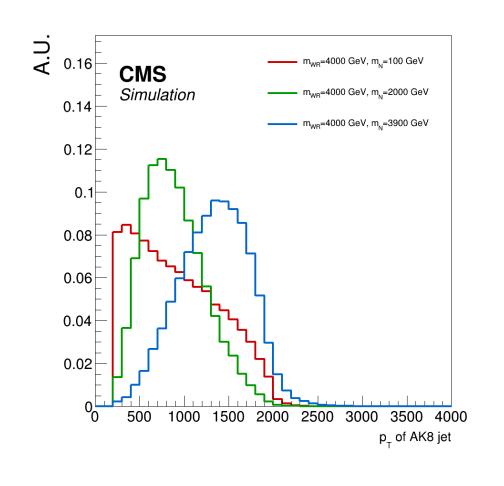
GenJetAK8 Leading

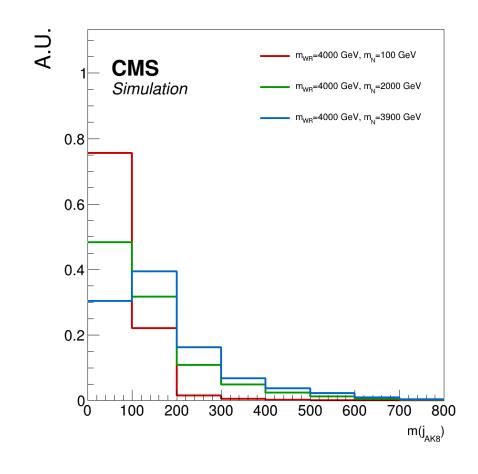
 $p_T > 200$, $|\eta| < 2.4$

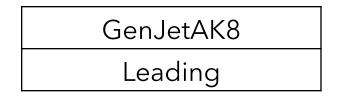
+

Cleaning (tau not inside Jet)

N reco by AK8







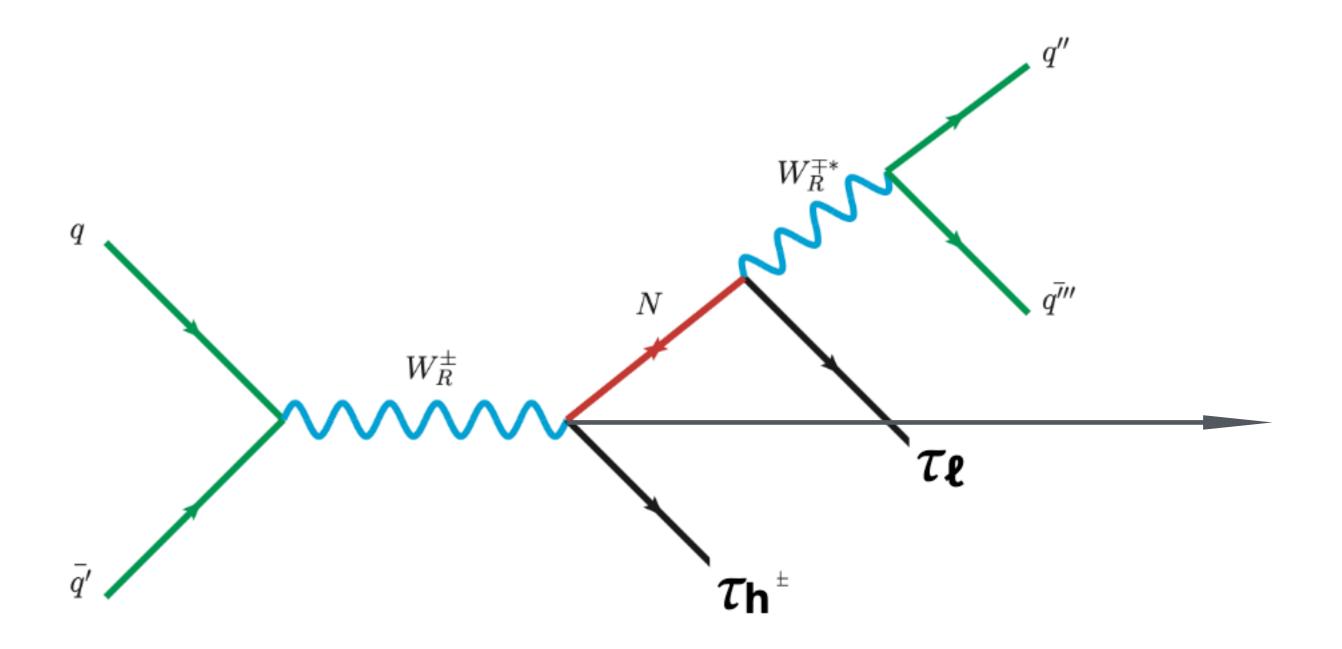
 $p_T > 200$, $|\eta| < 2.4$

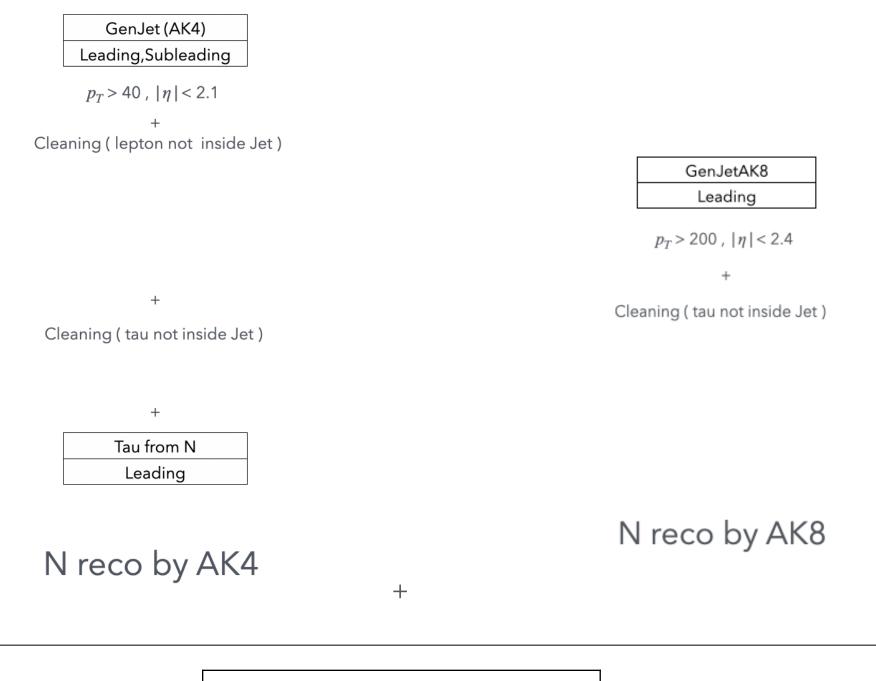
+

Cleaning (tau not inside Jet)

N reco by AK8

W_R reconstruction



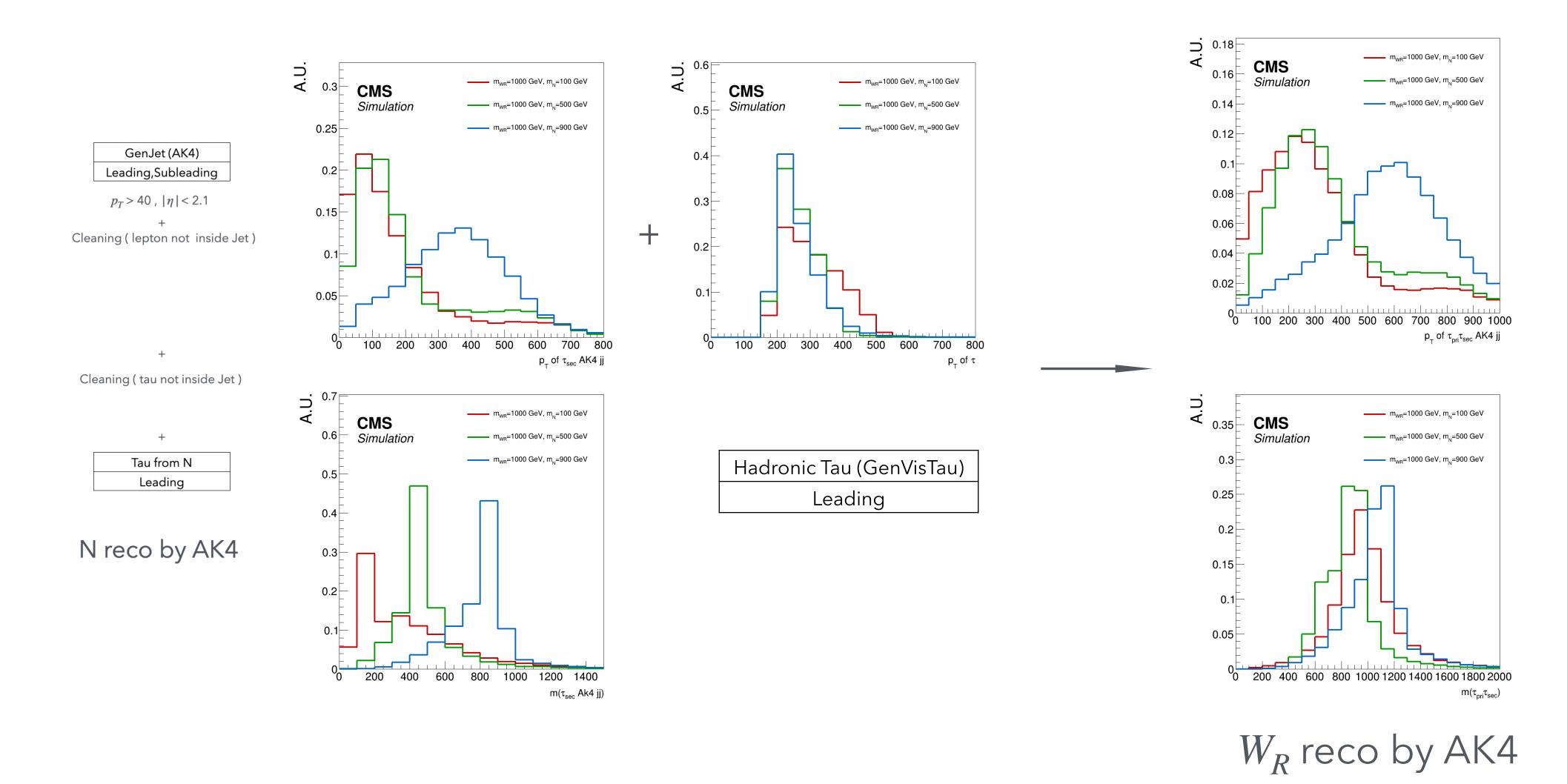


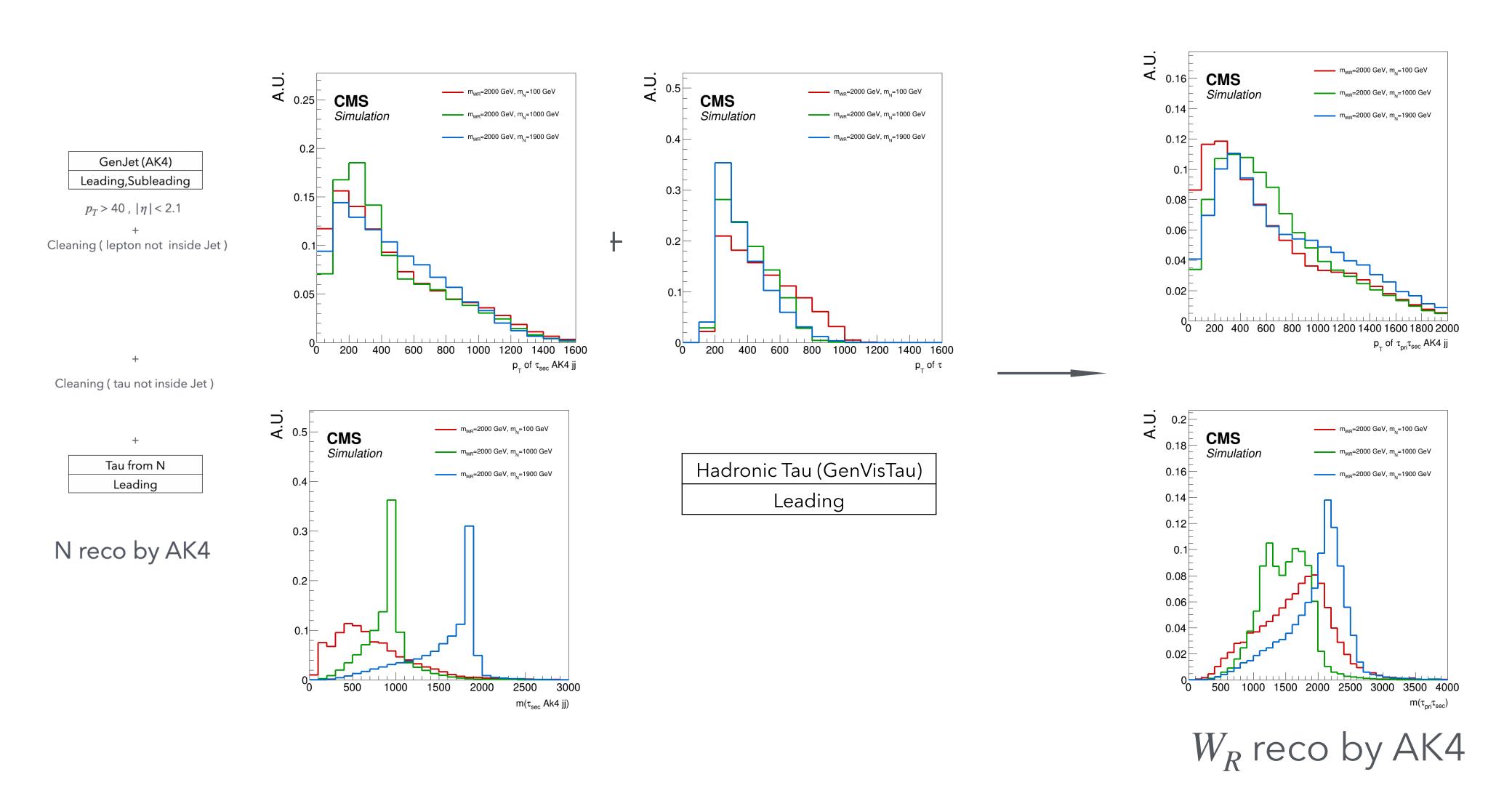
Hadronic Tau (GenVisTau)
Leading

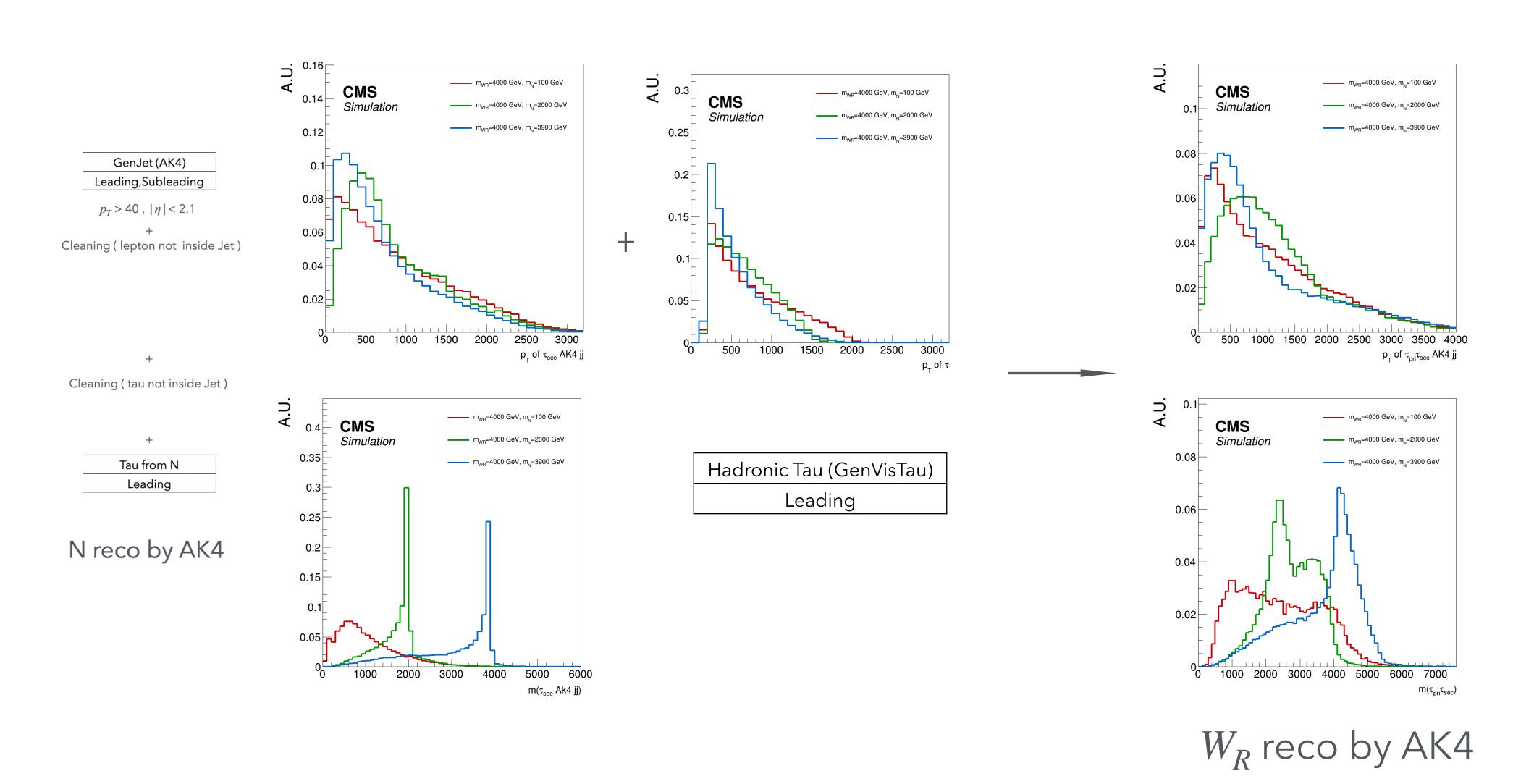
 $p_T > 40$, $|\eta| < 2.1$

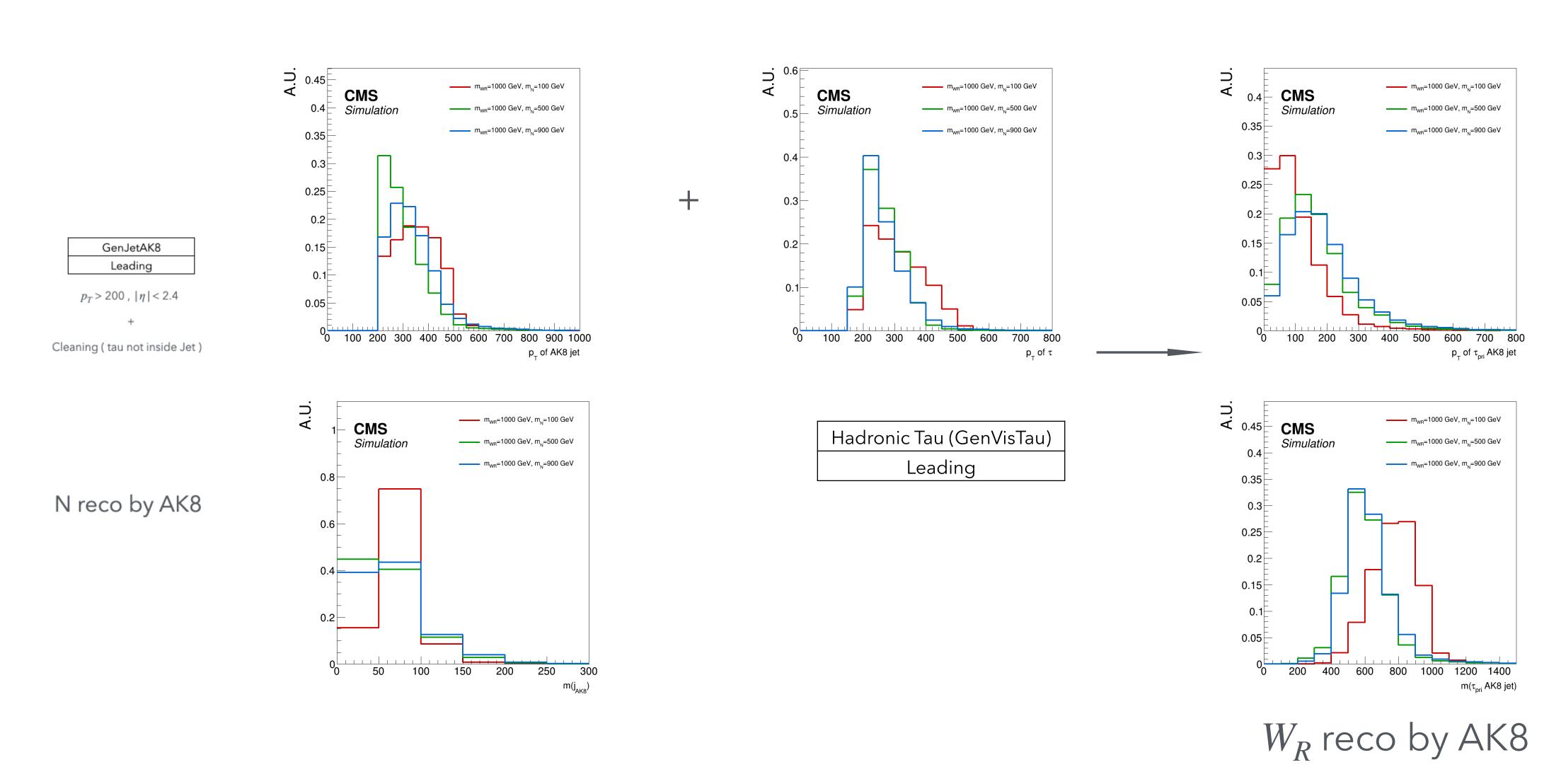
 W_R reco by AK4

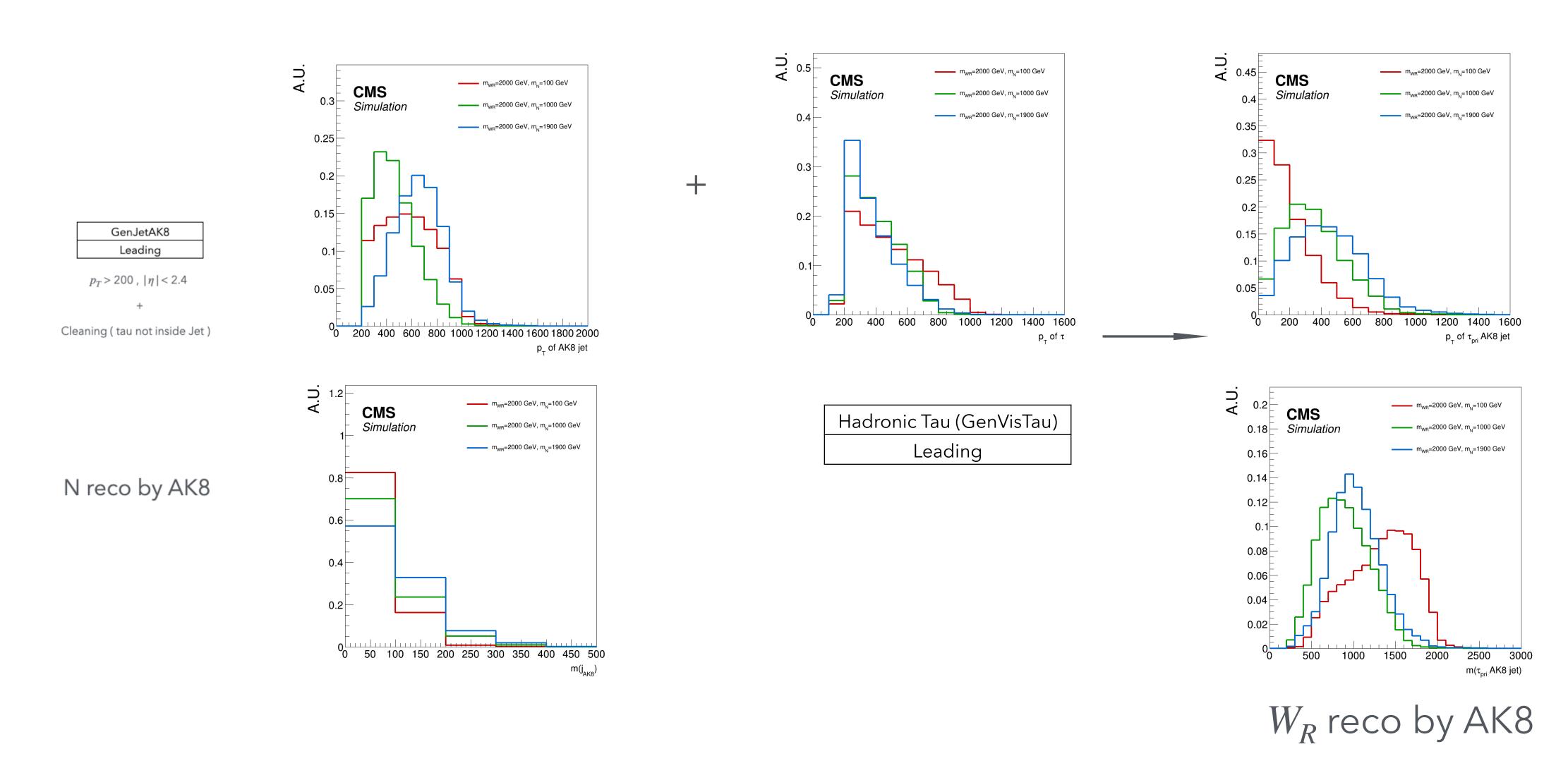
 W_R reco by AK8

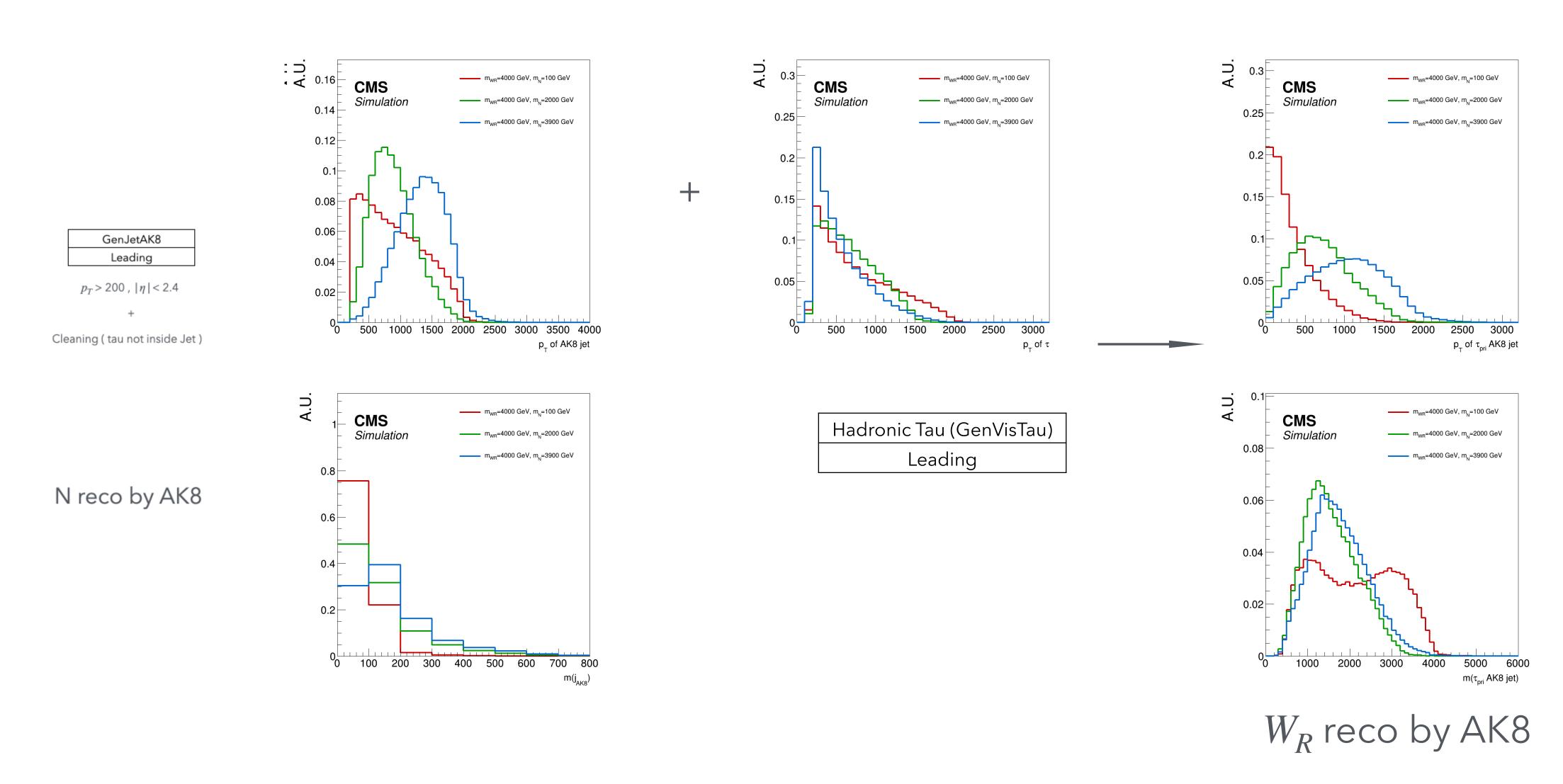












Thanks!