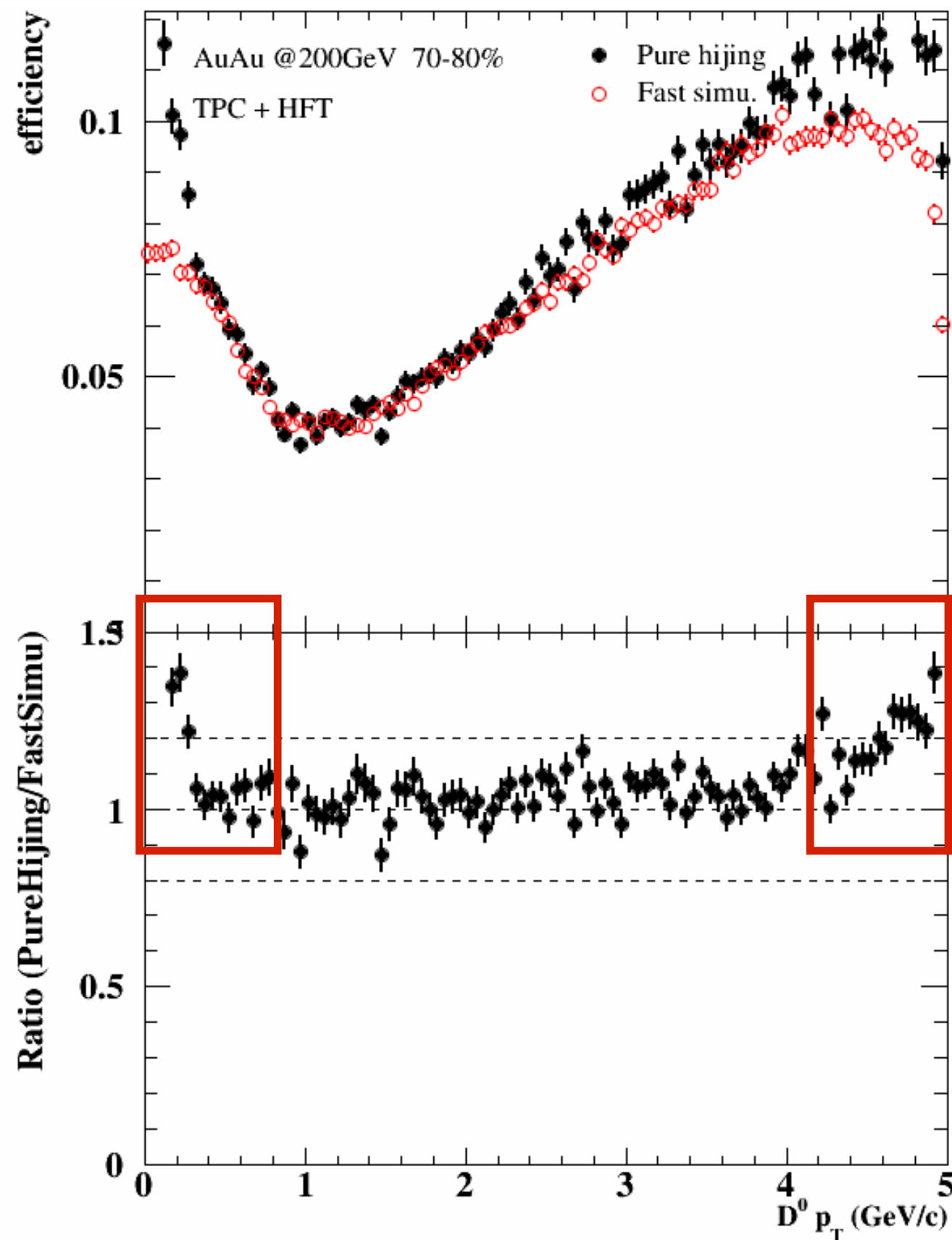
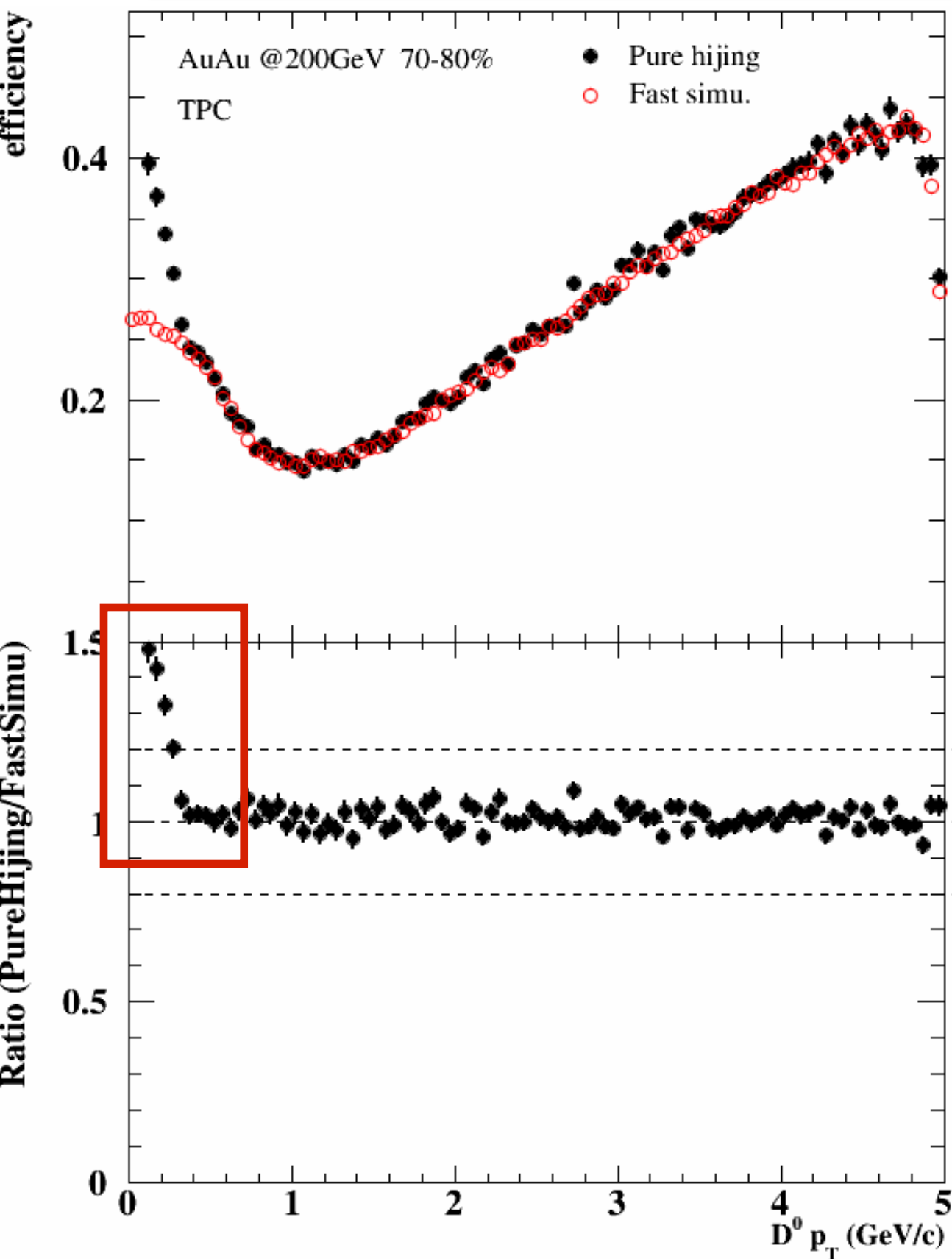


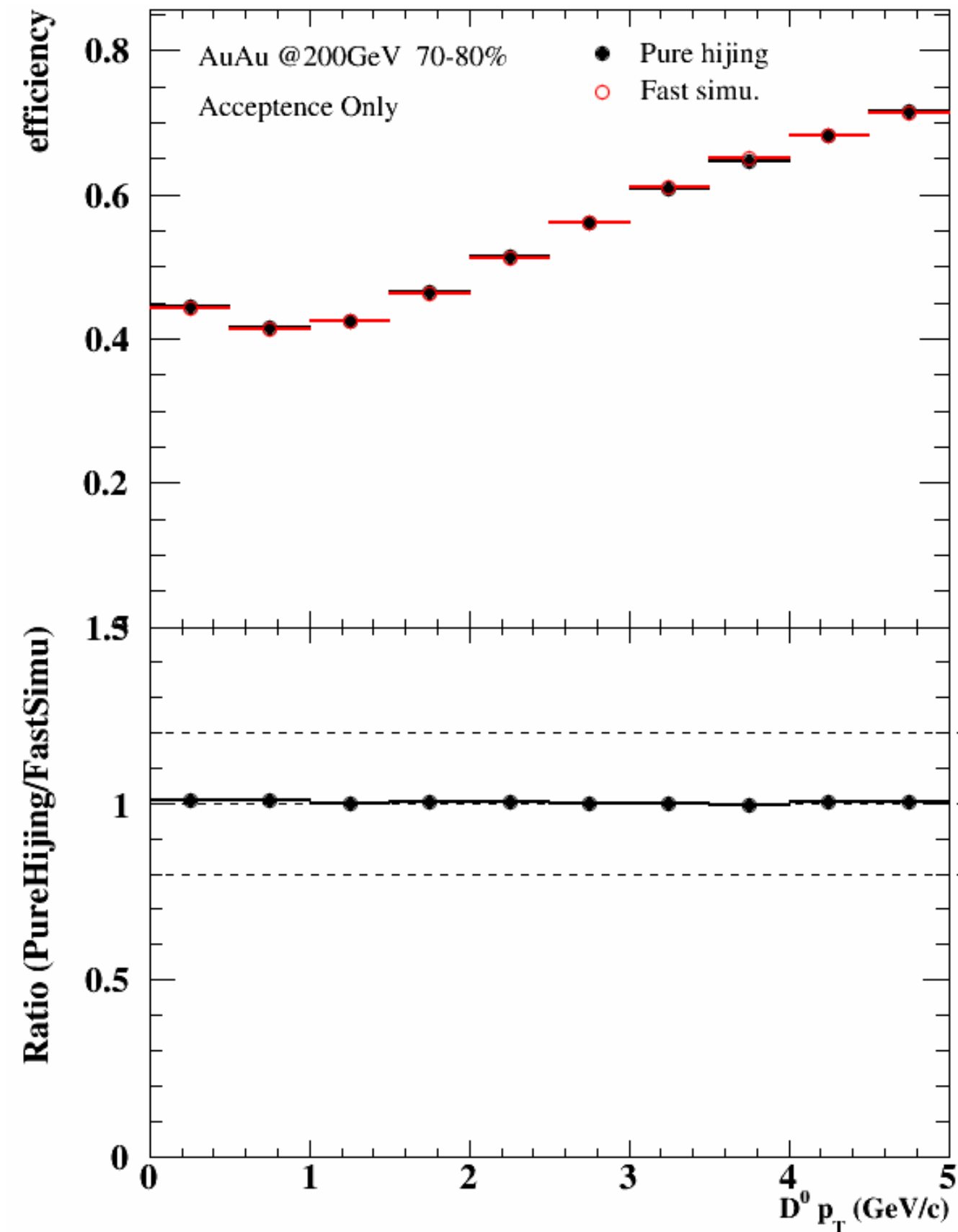
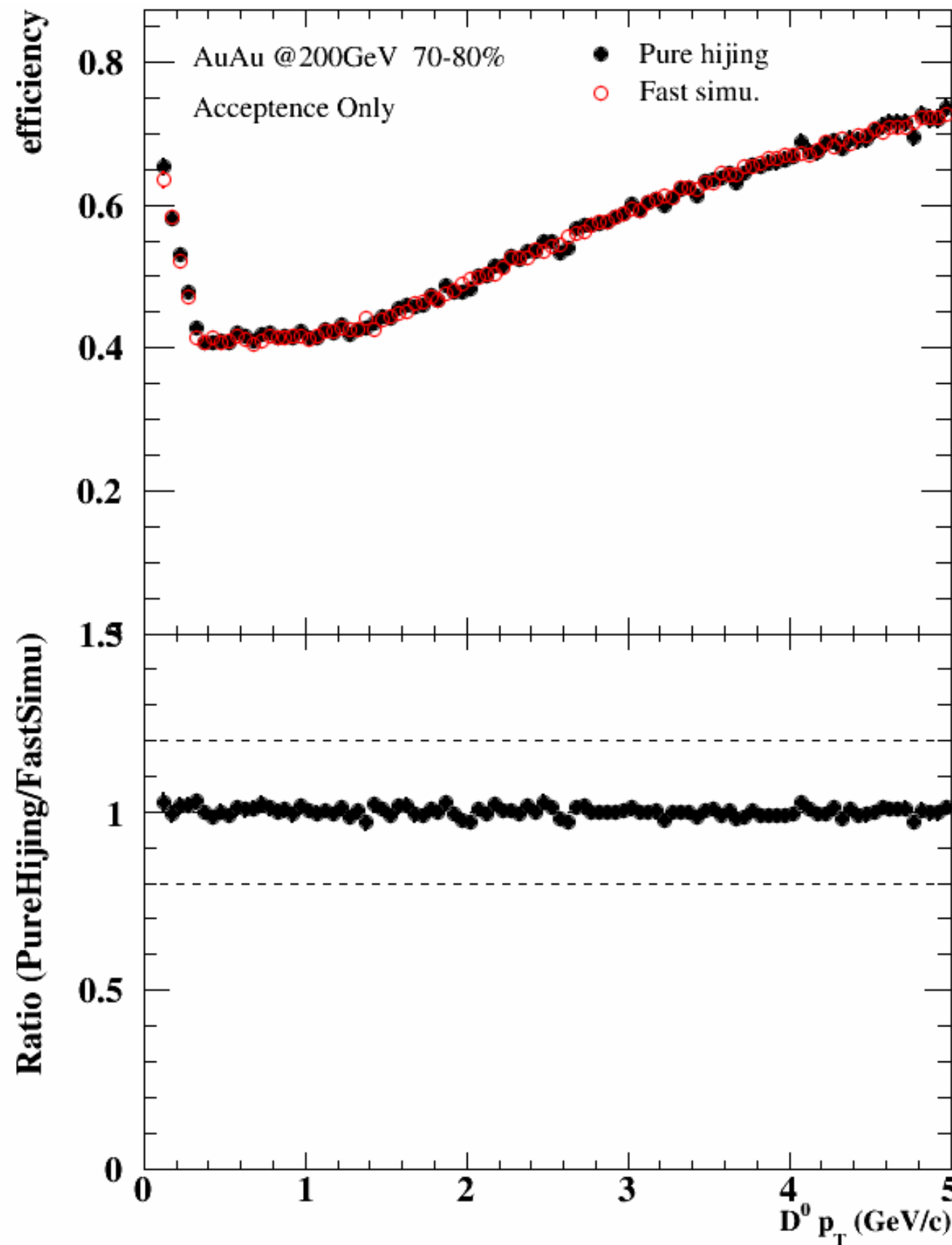
Efficiency difference



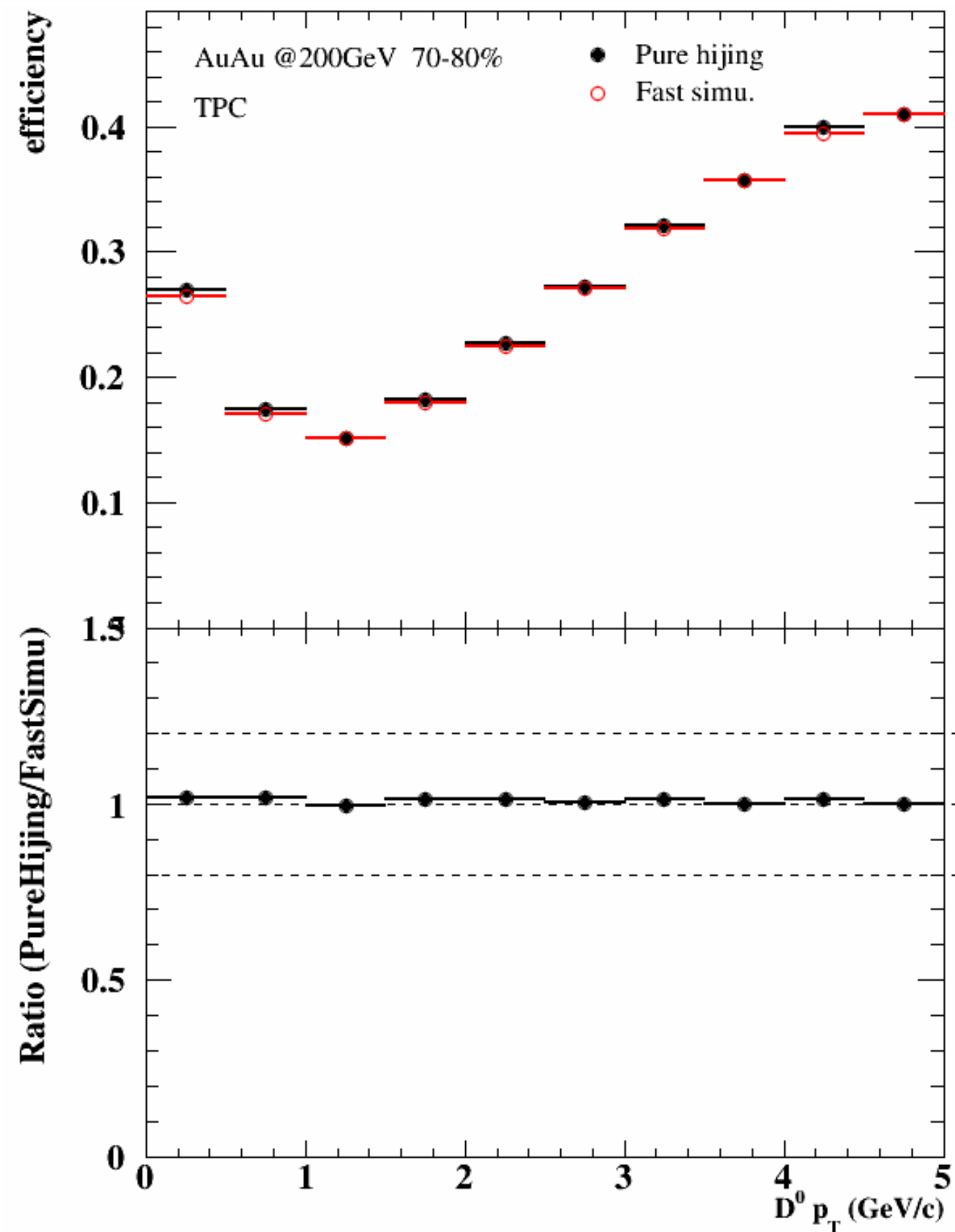
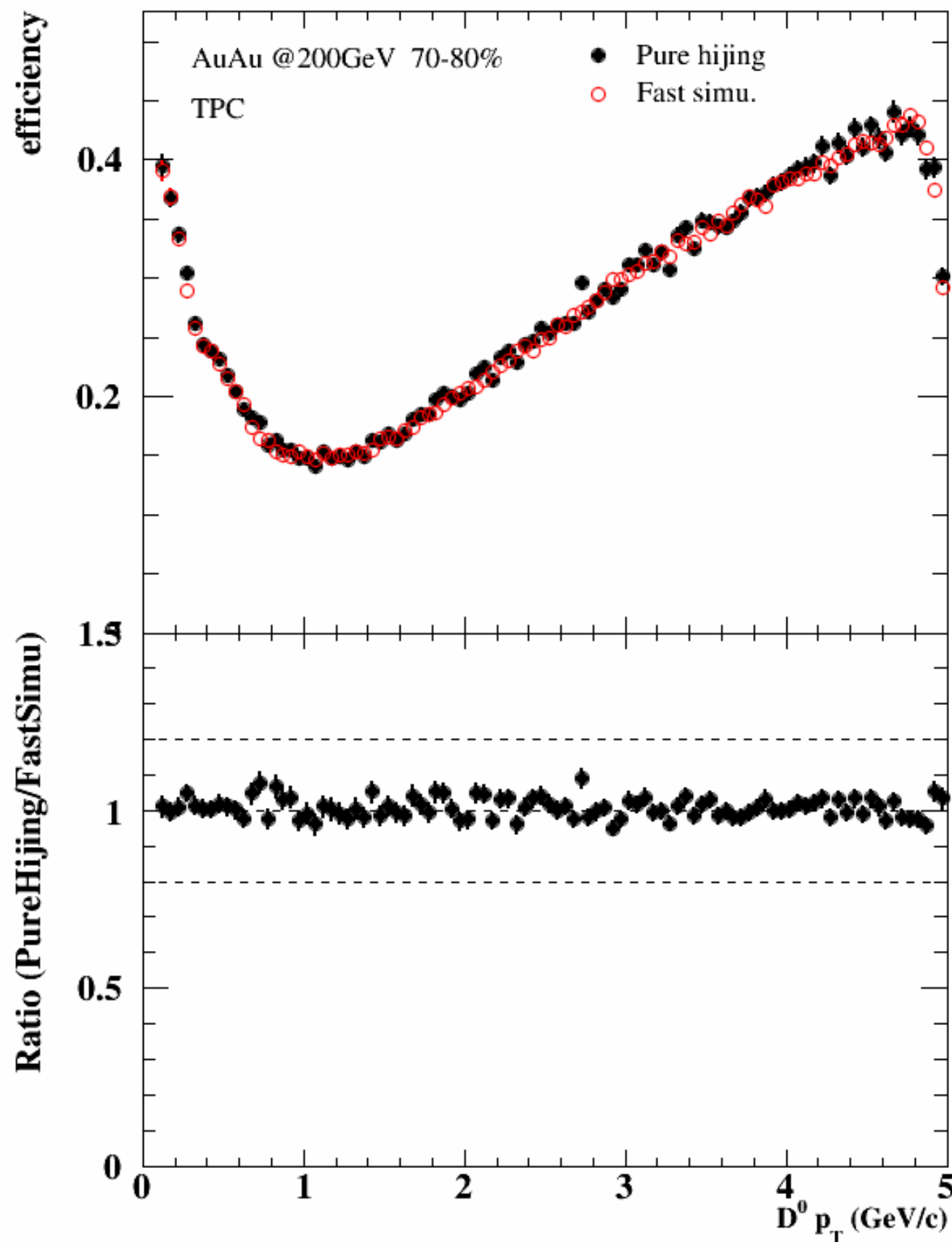
Solved

- Low p_T (< 0.35)
 - We have local StarGenerator in StRoot (use y , not η)
 - in hijing, D0 have a default mcEta cut: $|\eta| < 2.6$
 - add $|\eta| < 2.6$ in fast sim.
- High p_T (near 5 GeV)
 - due to input HFT Match histogram have poor statistics at high p_T bins
 - Rebin p_T , save one p_T bin ($> 1.6\text{GeV}$)

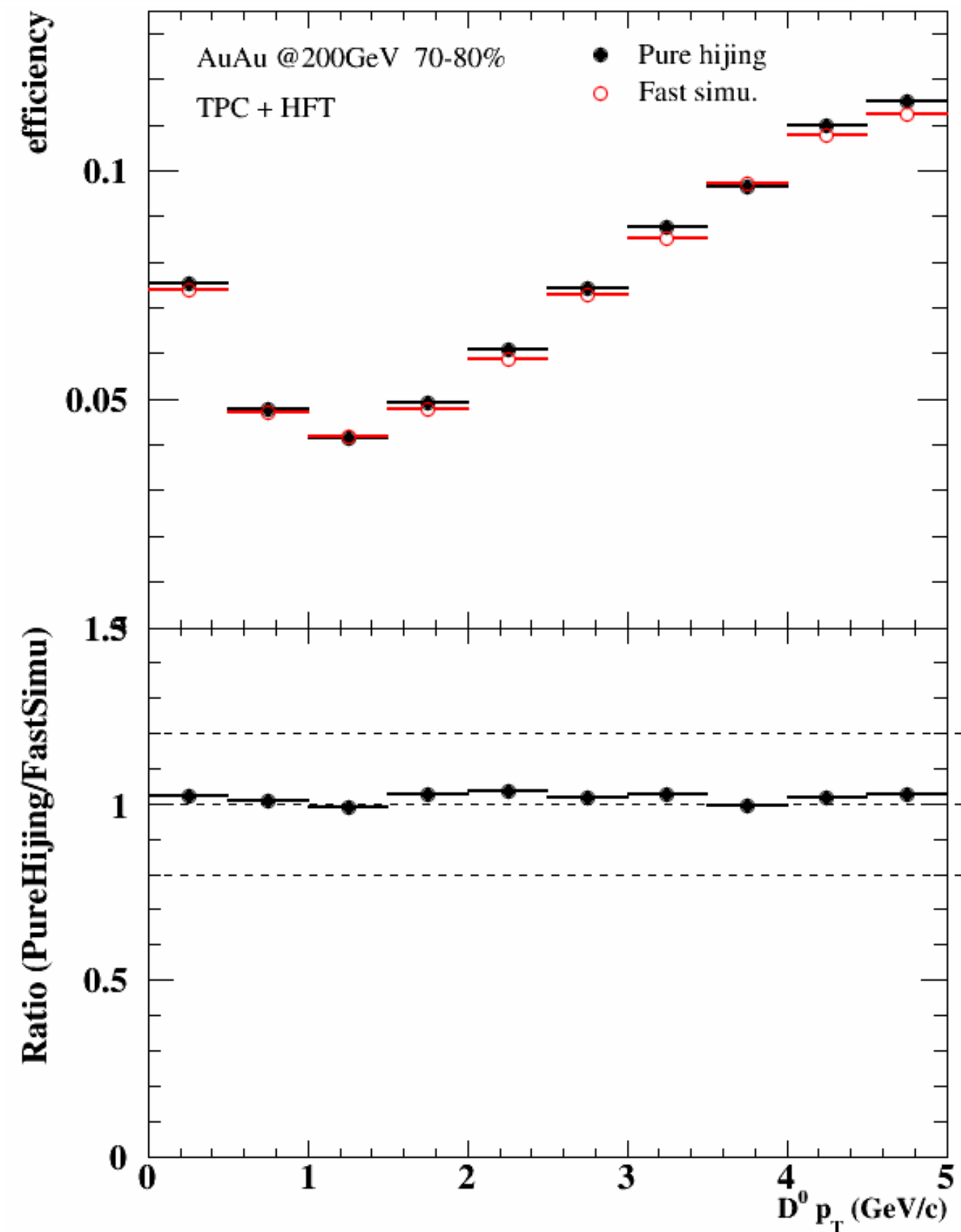
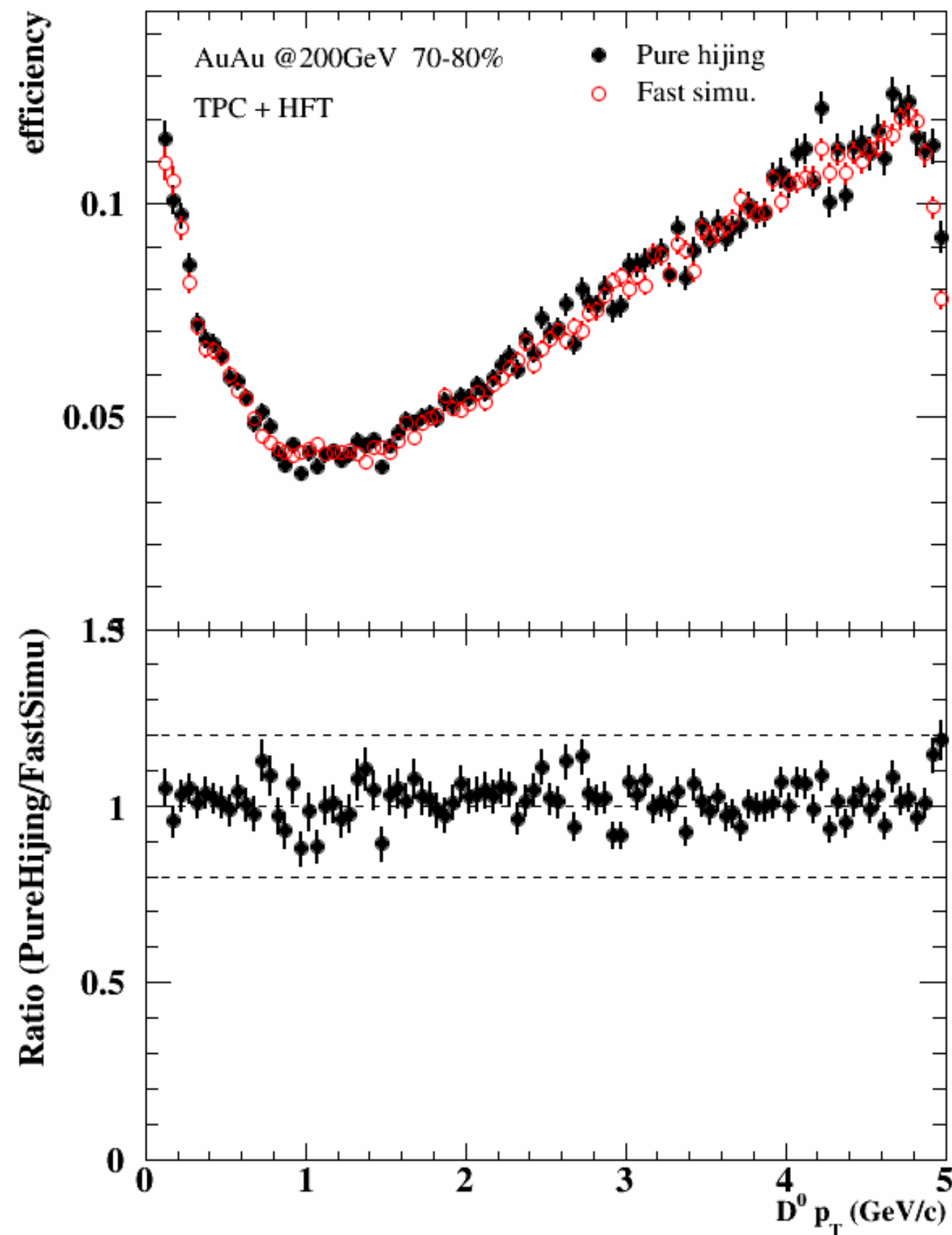
Efficiency: acceptance



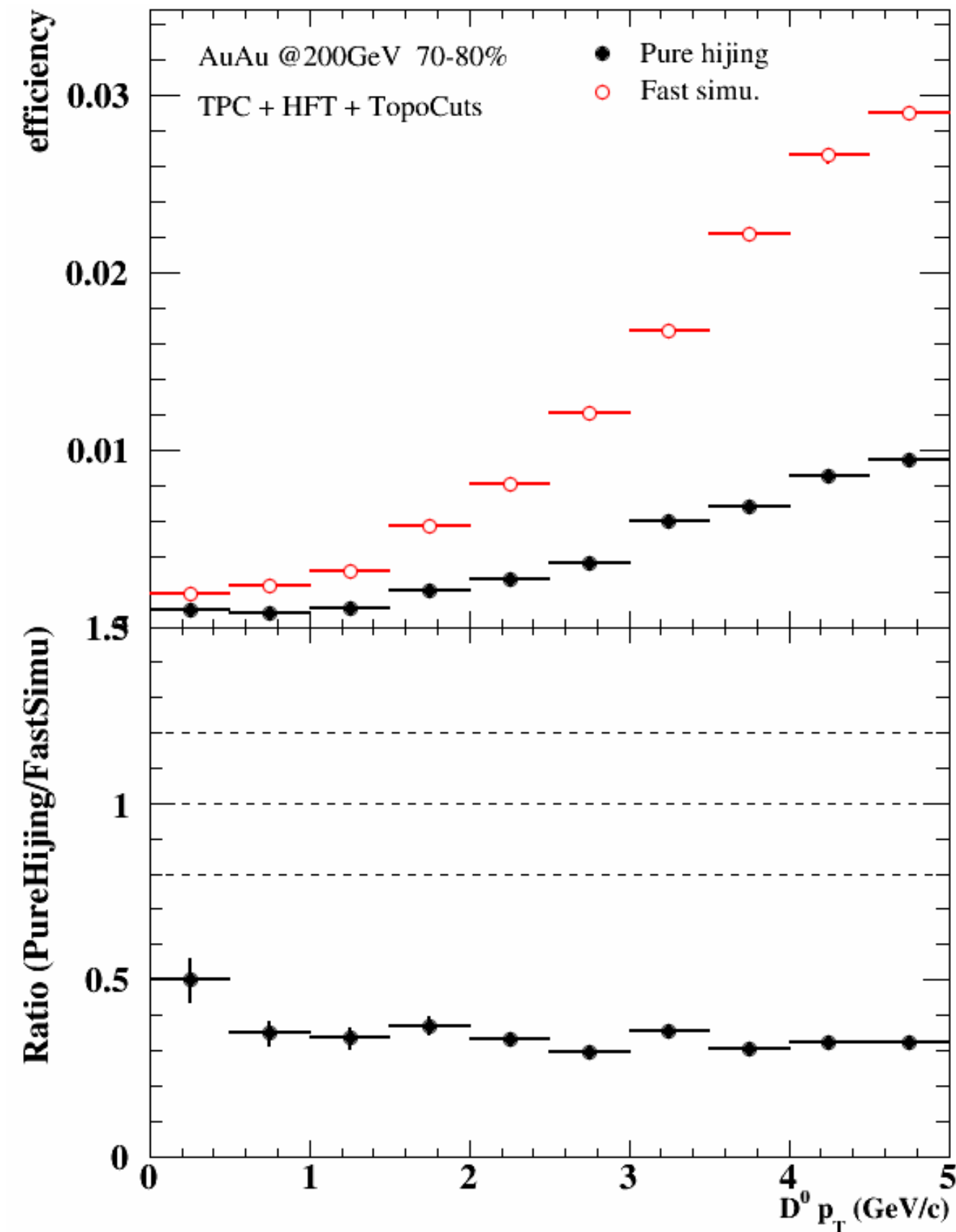
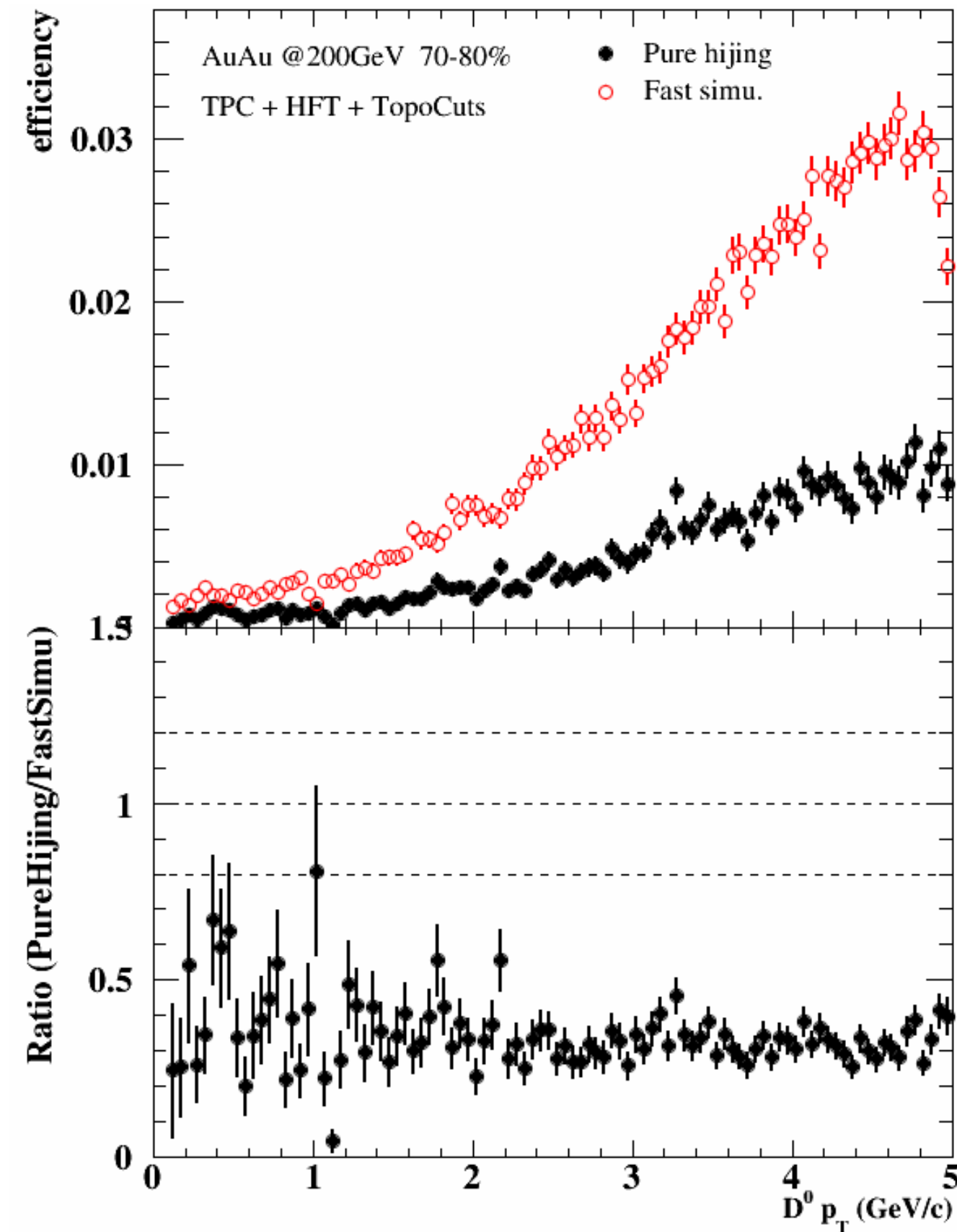
Efficiency: acceptance + TPC



Efficiency: acceptance + TPC + HFT



Efficiency: acceptance + TPC + HFT + TopoCuts



Backup: Efficiency: acceptance + TPC + HFT + TopoCuts

DCAxy Vs DCAz in Fast Sim rm Eta and Vz bin

