

**ATLAS**

Simulation Internal

 $\sqrt{s} = 13 \text{ TeV}, Z \rightarrow \mu\mu, 139.0 \text{ fb}^{-1}$ Dilepton,  $p_T^{\mu\mu} > 190 \text{ GeV}$ 

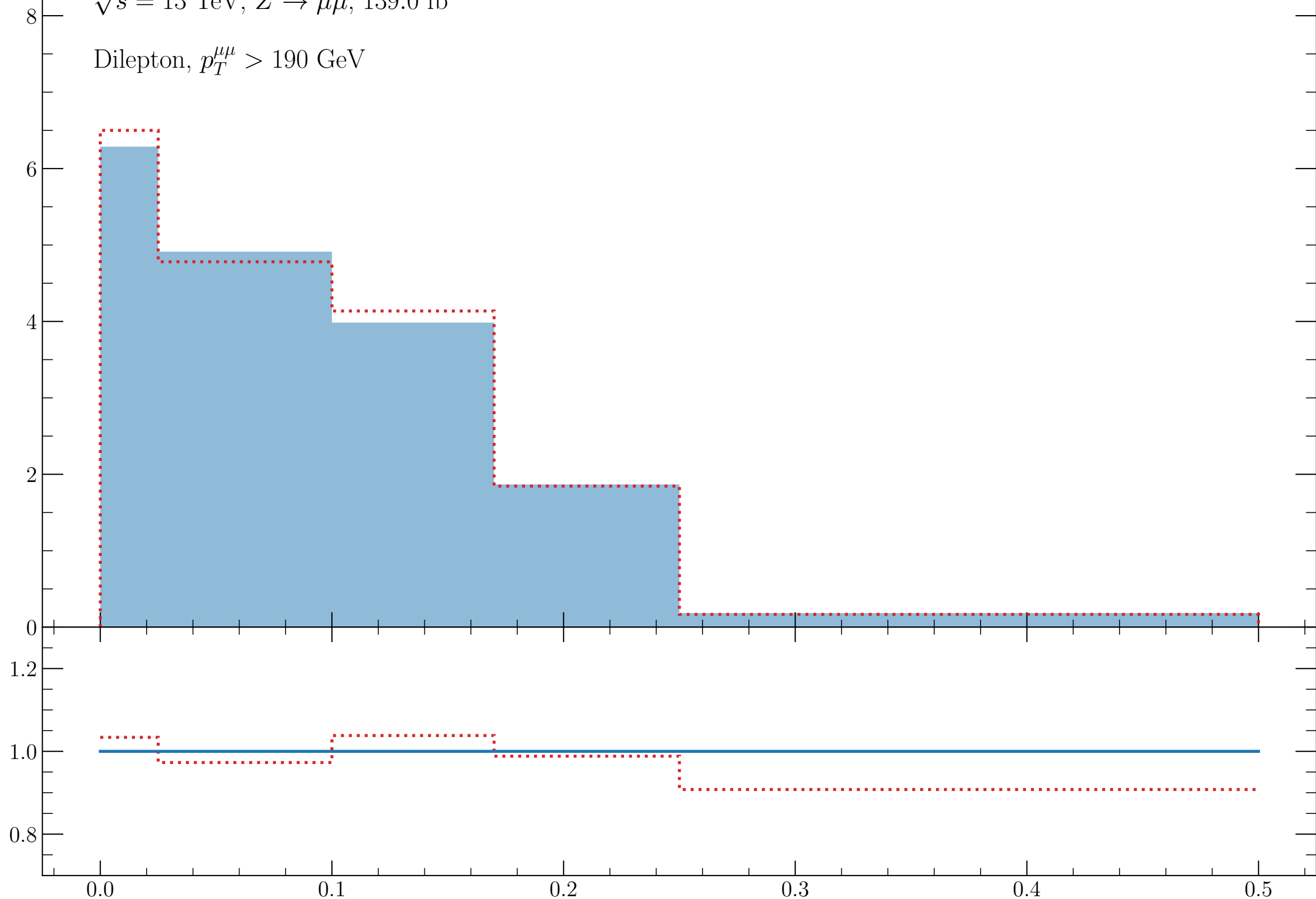
syst\_Scale\_Up

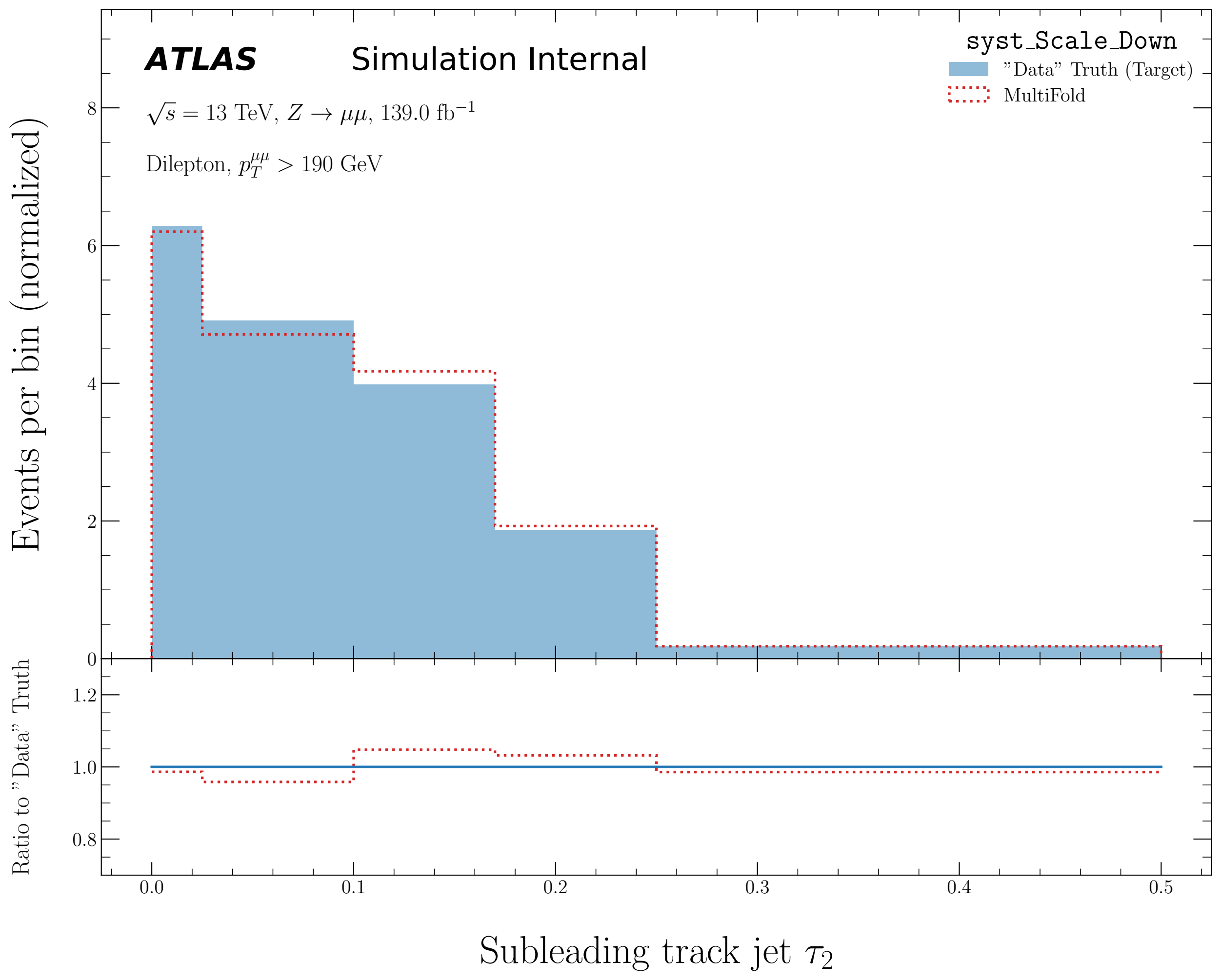
"Data" Truth (Target)

MultiFold

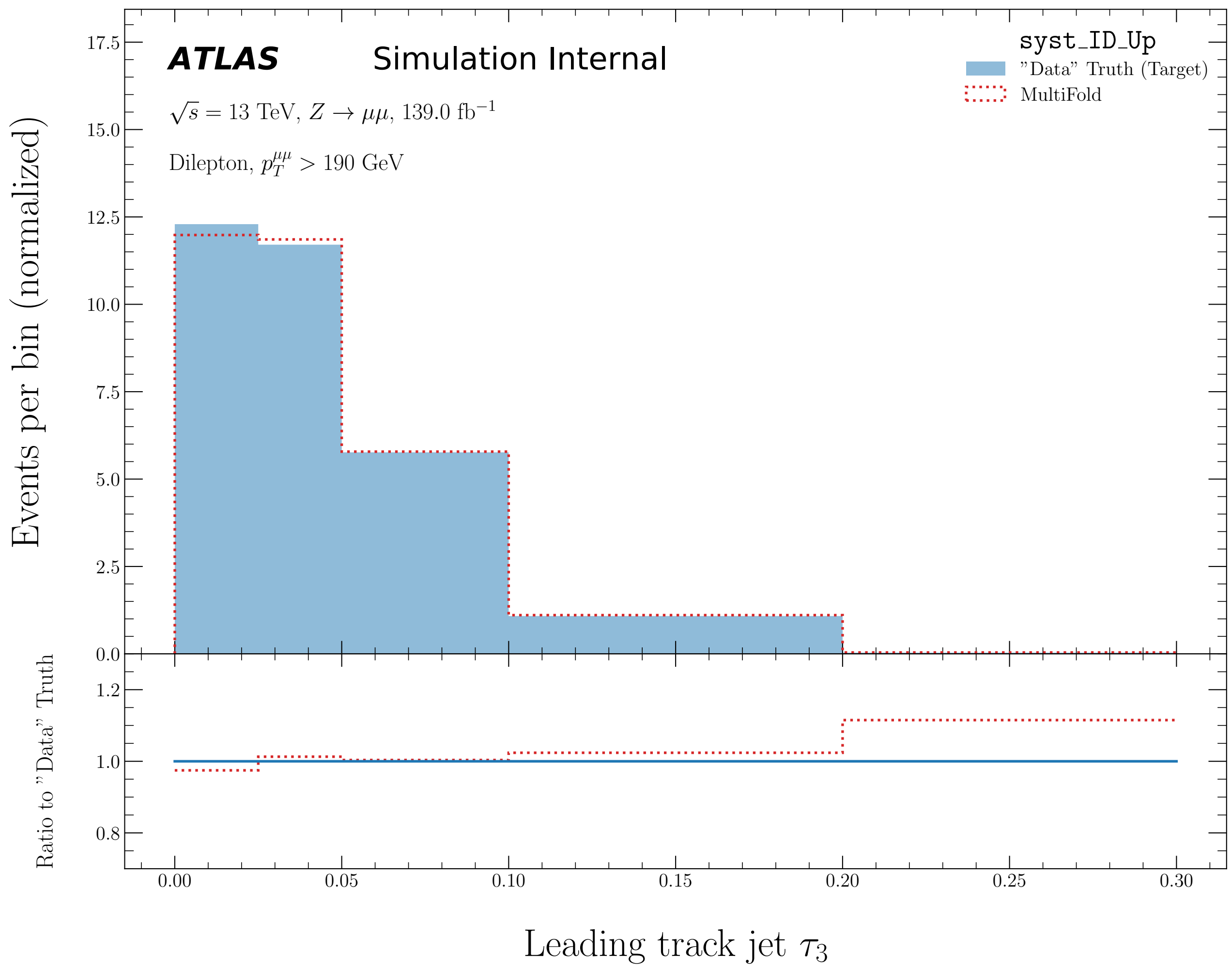
Events per bin (normalized)

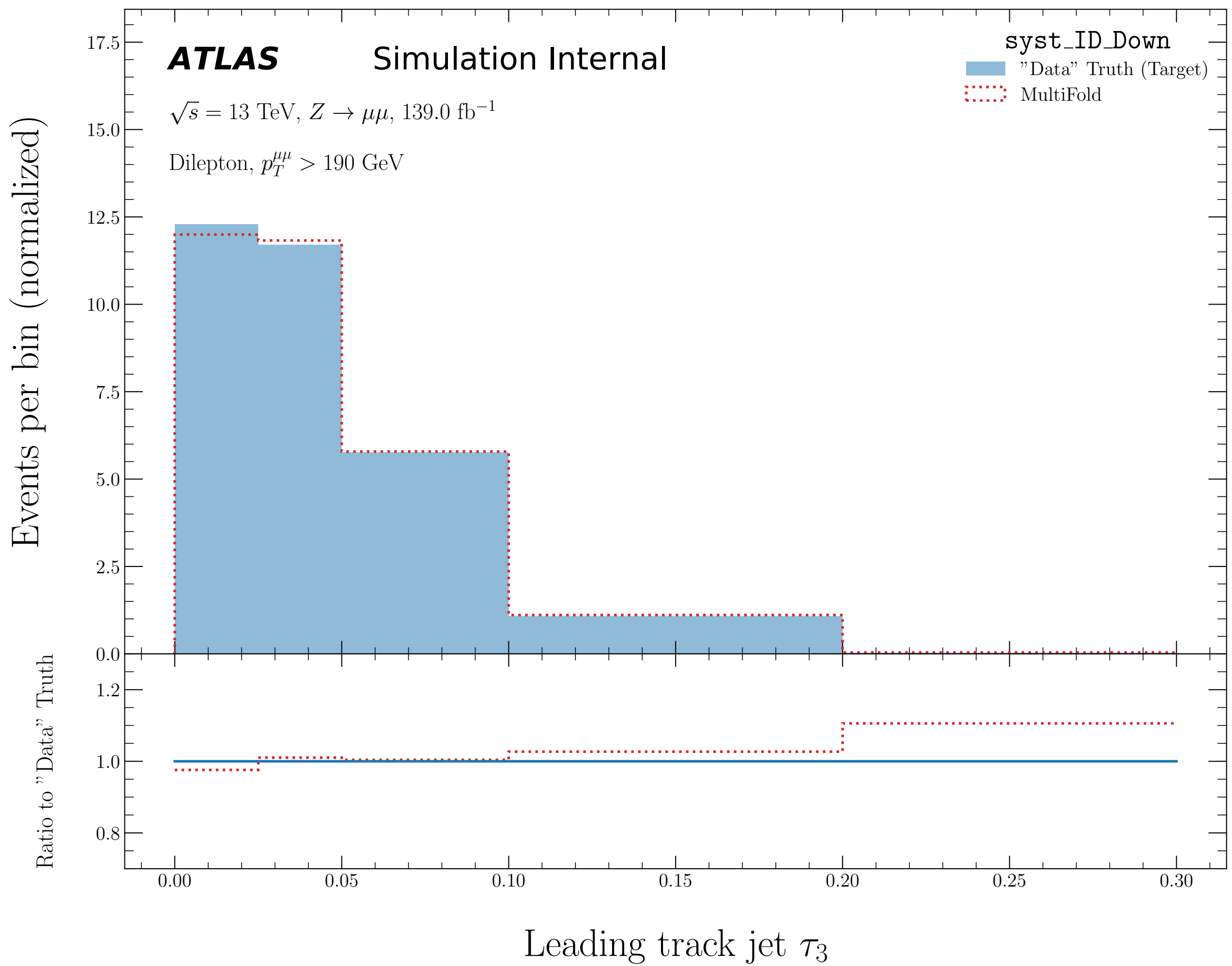
Ratio to "Data" Truth

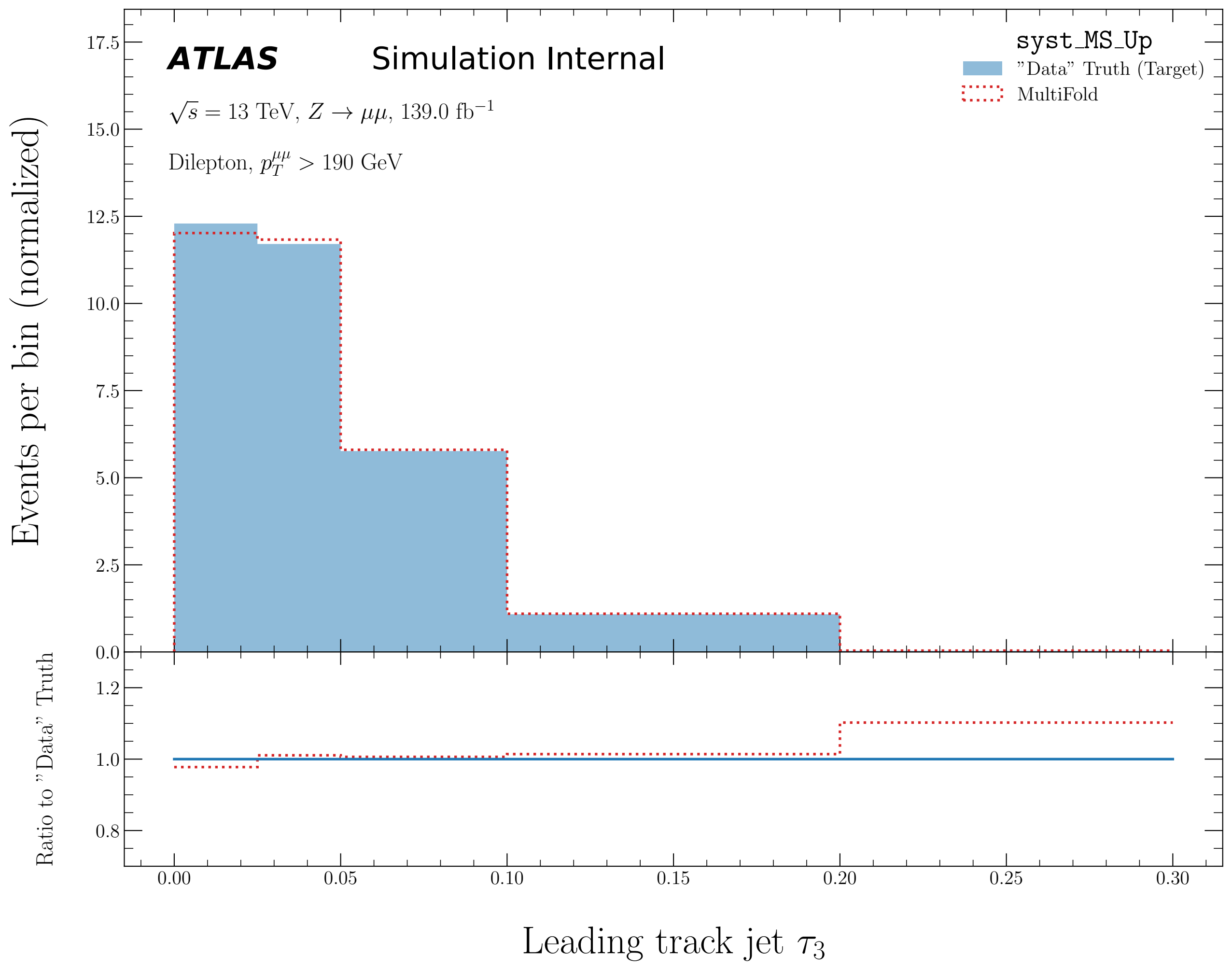
Subleading track jet  $\tau_2$

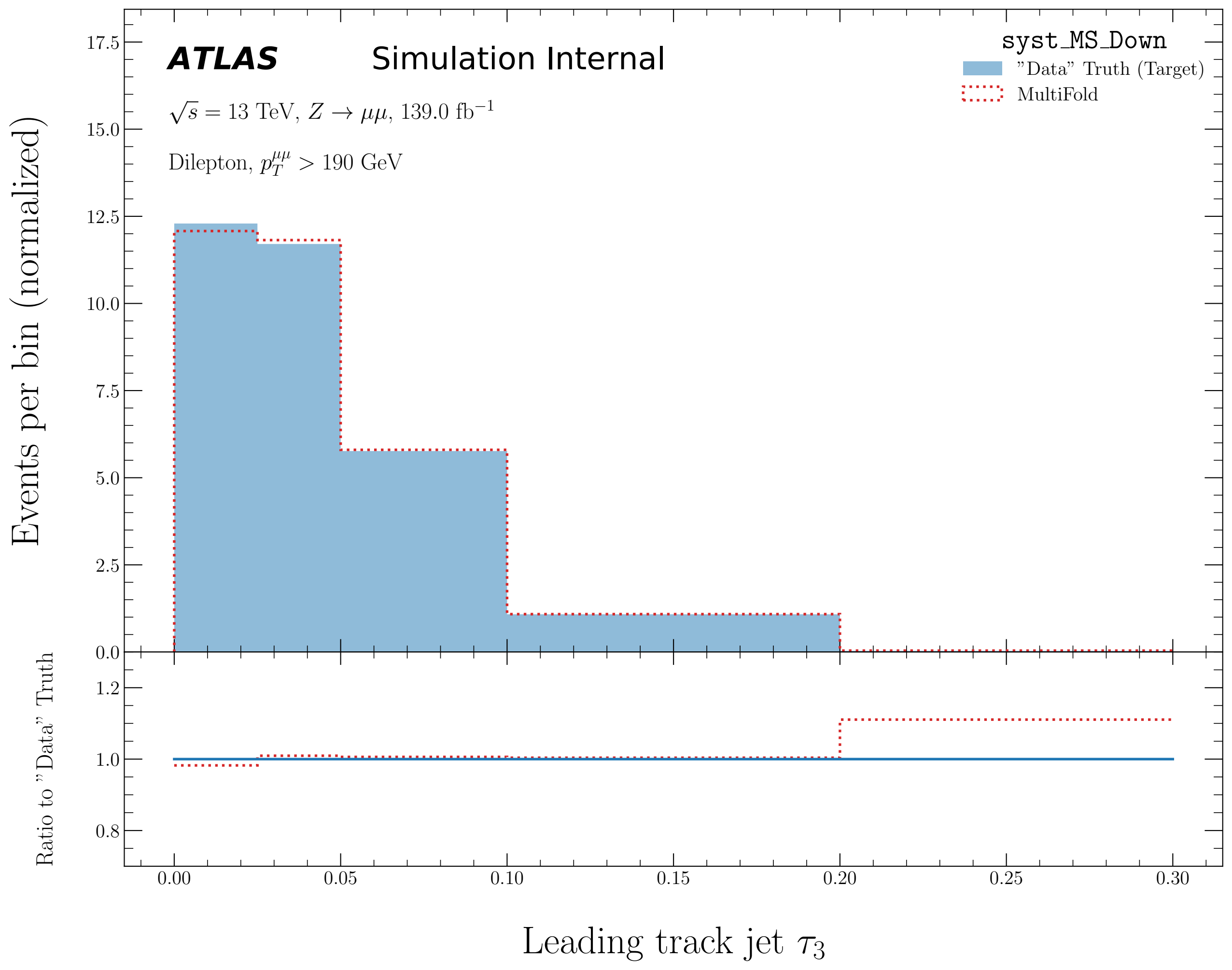


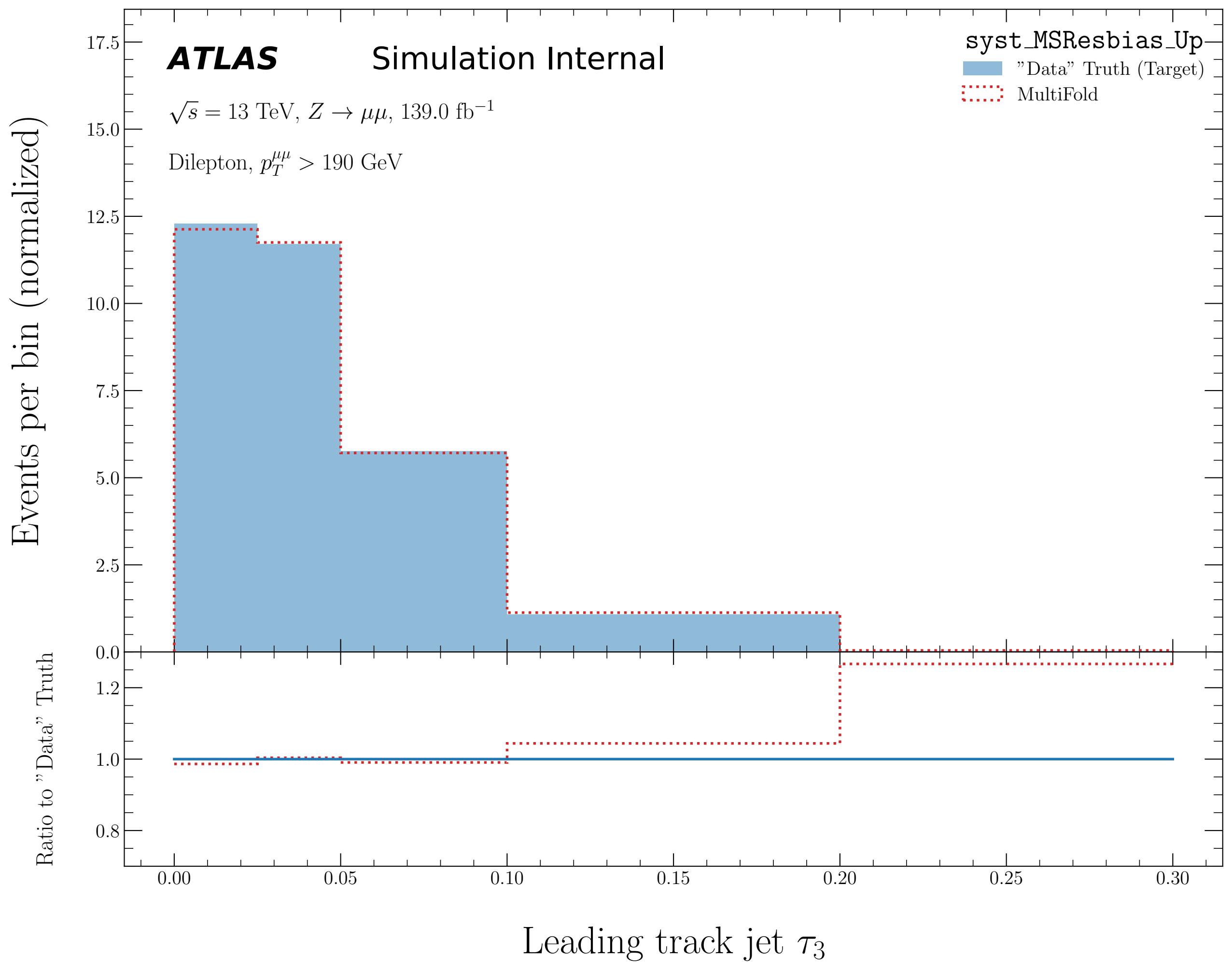


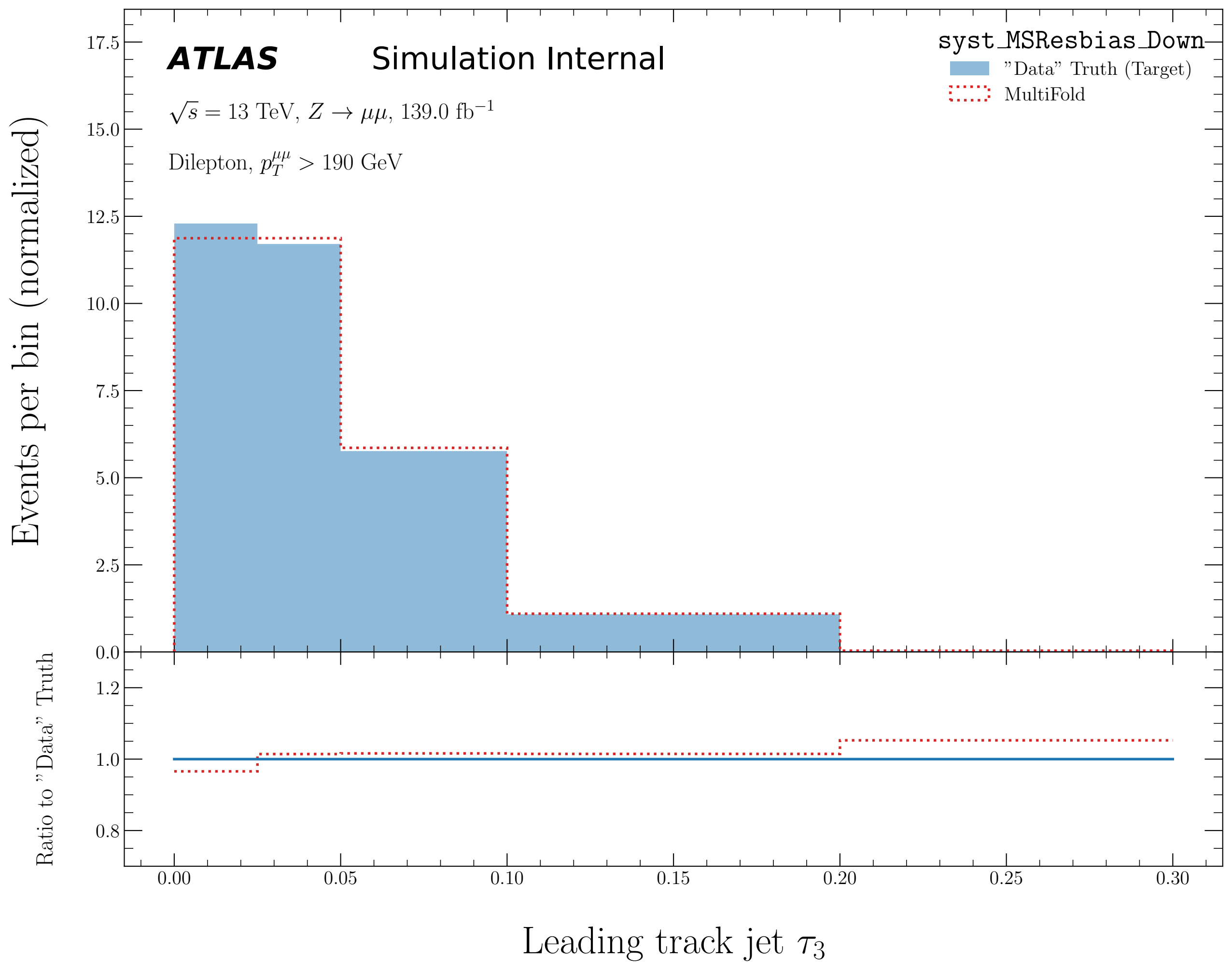


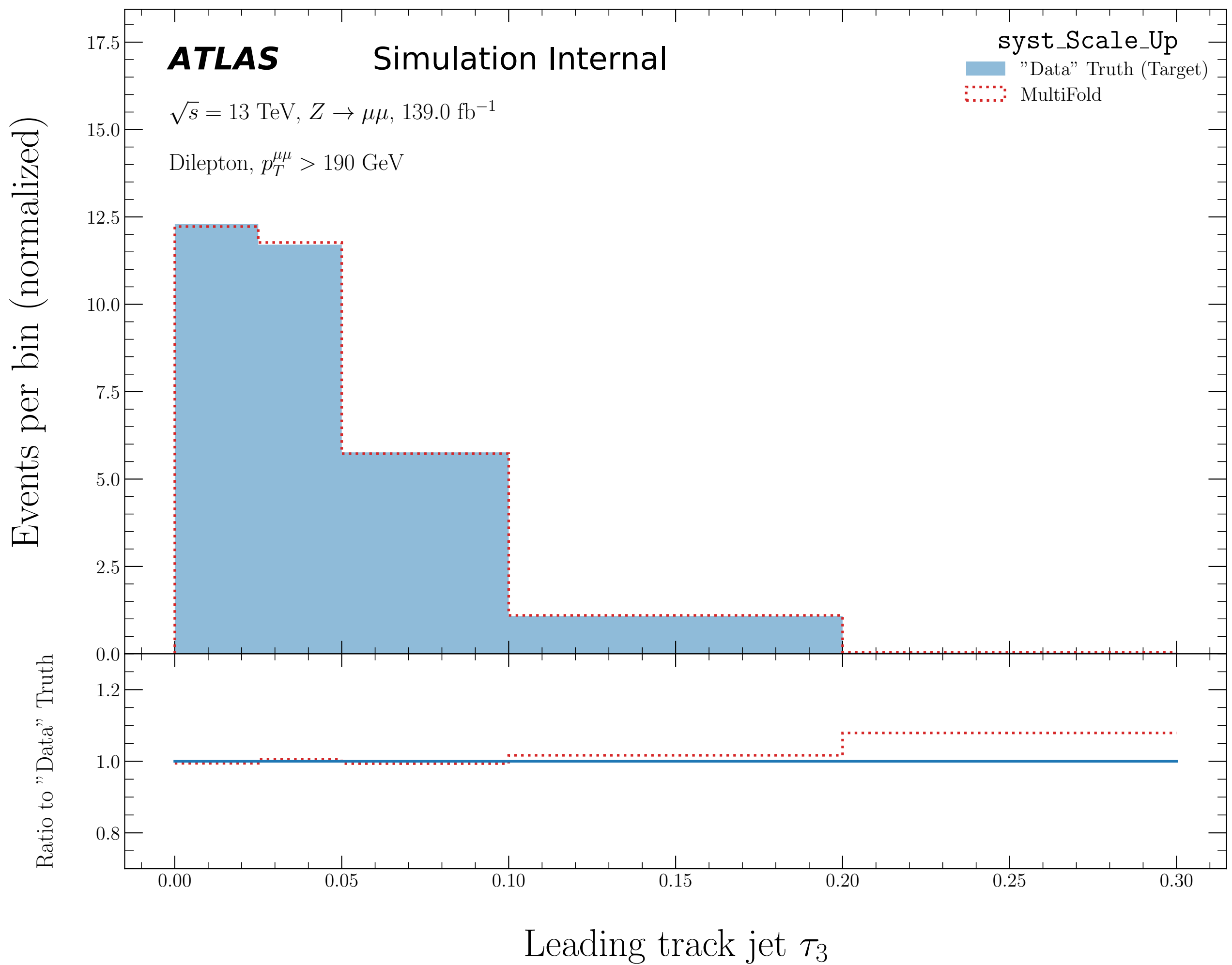


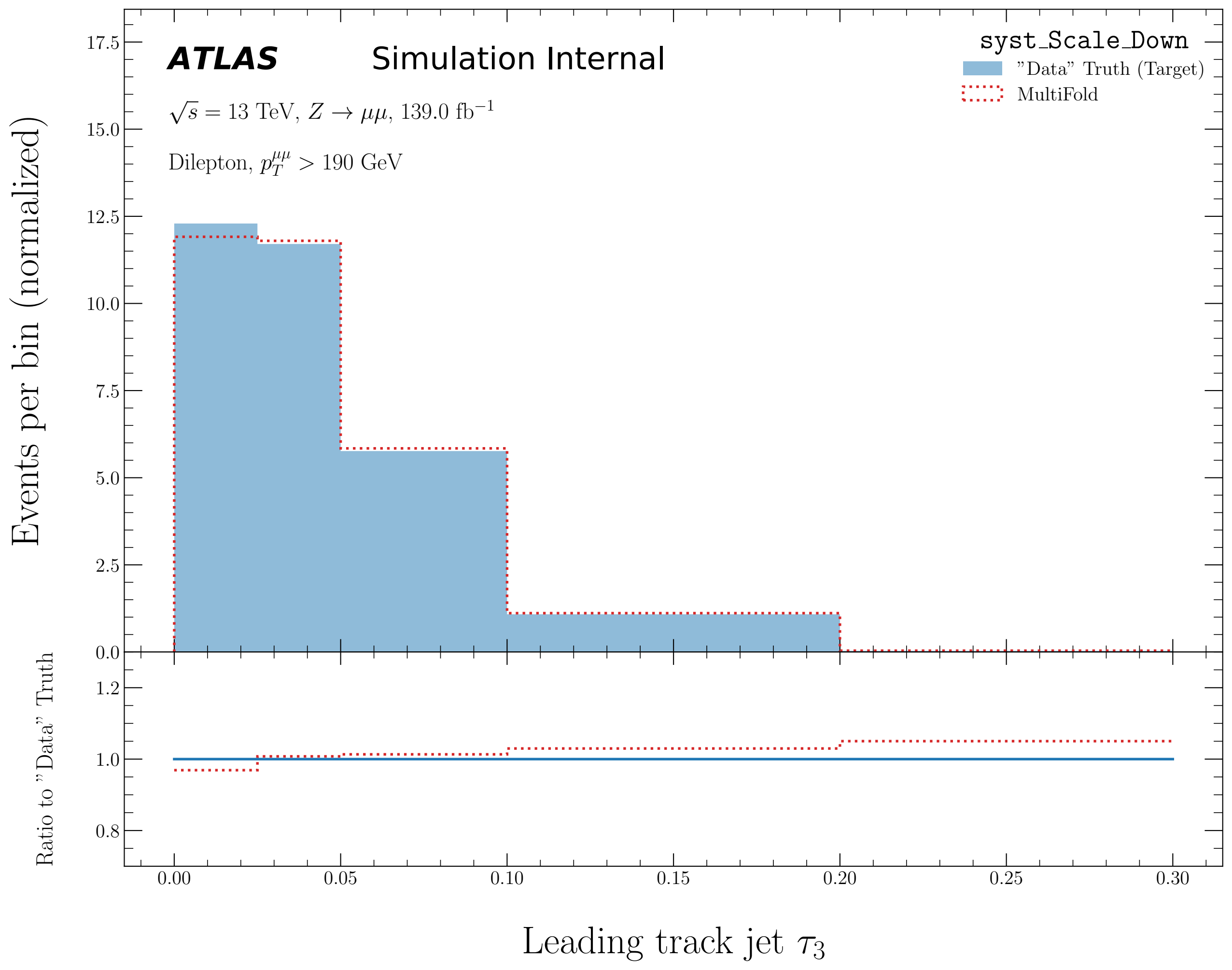




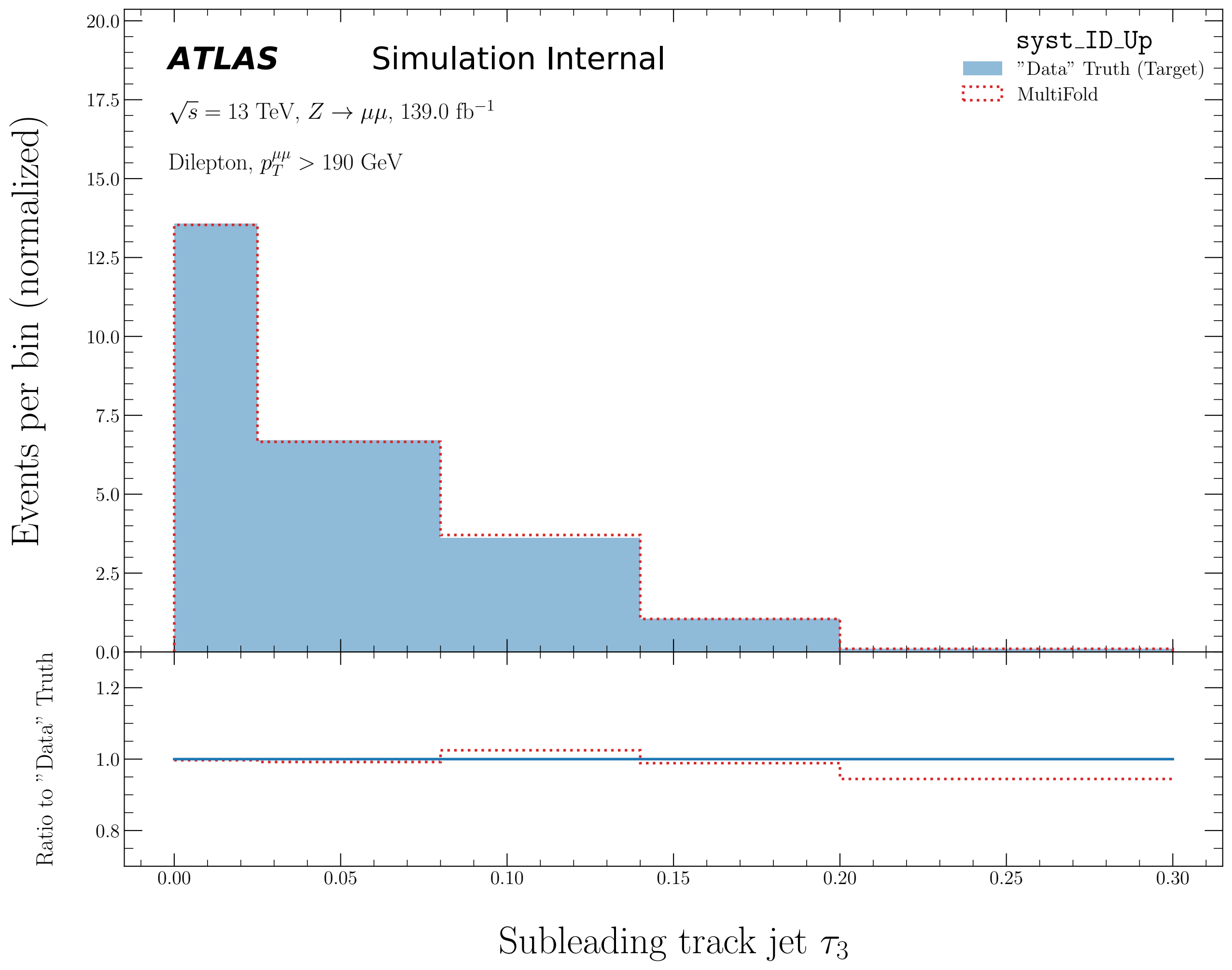


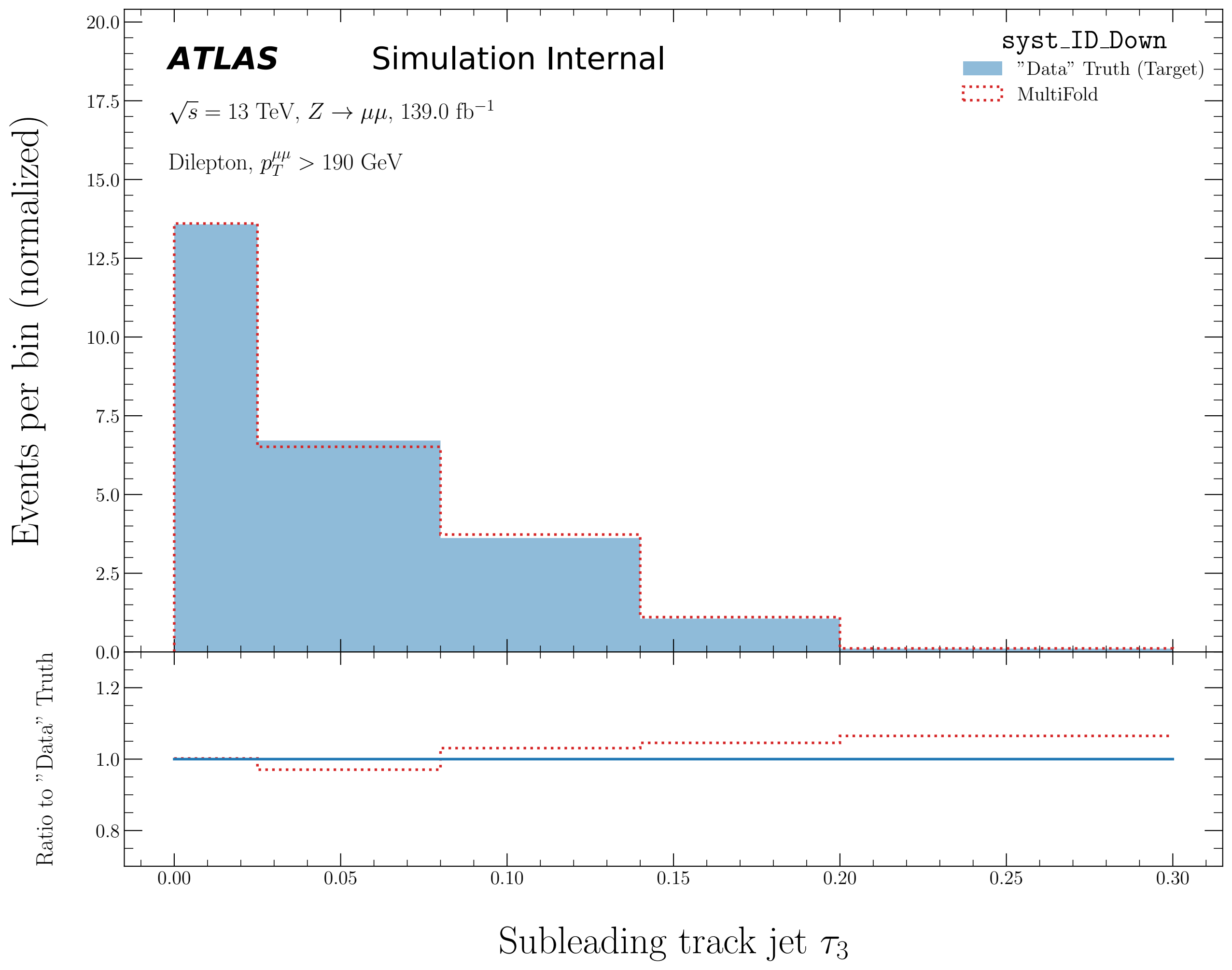


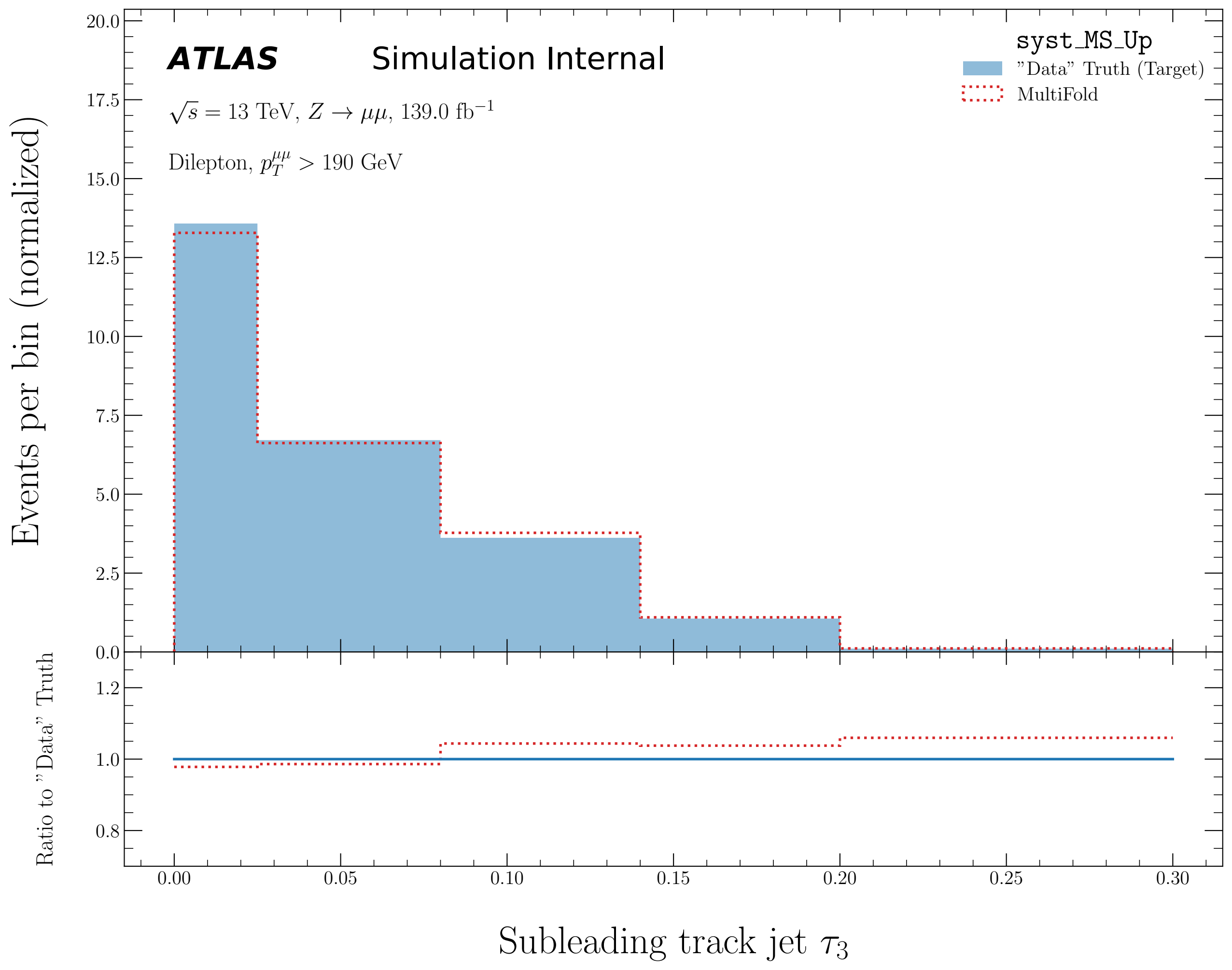


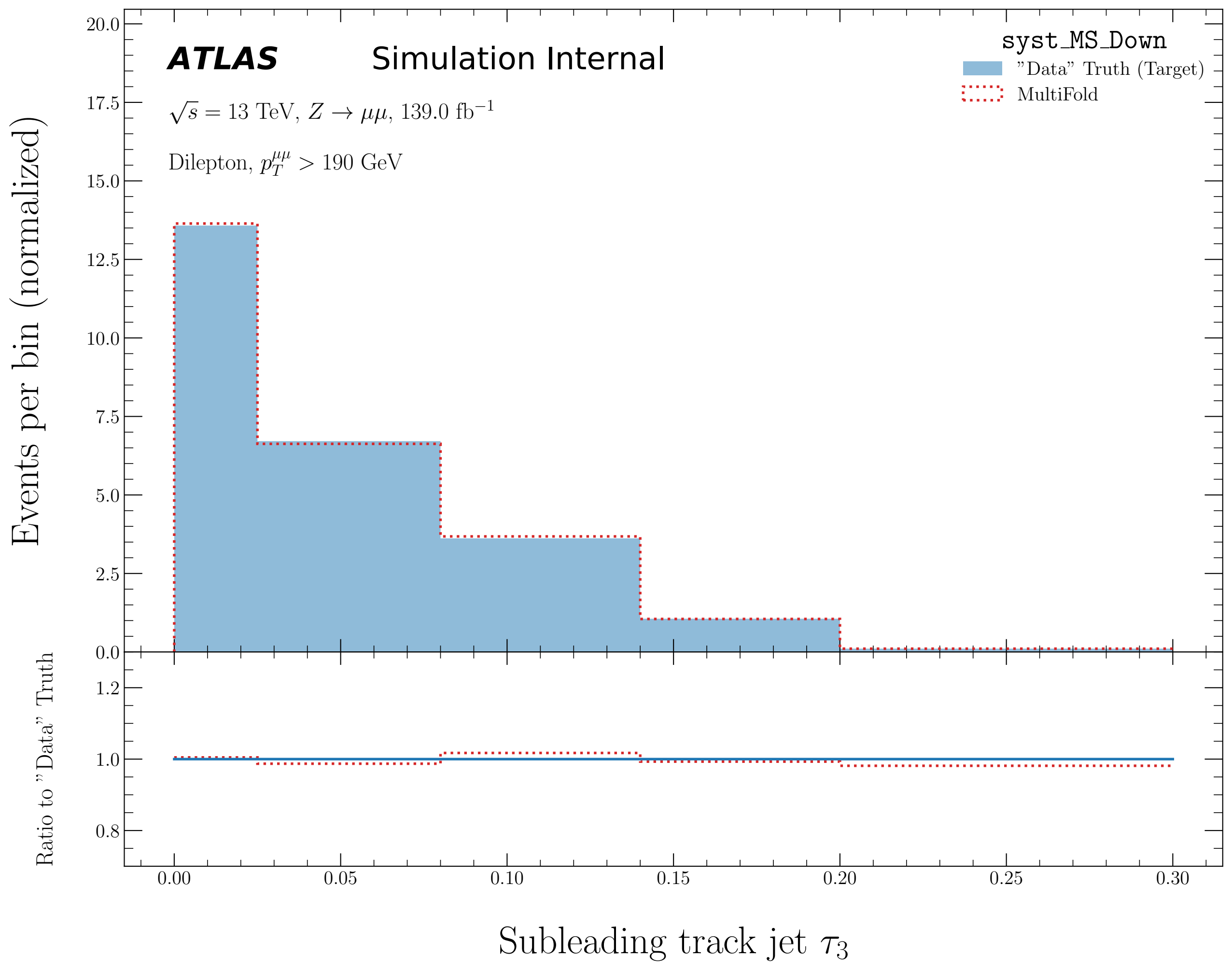


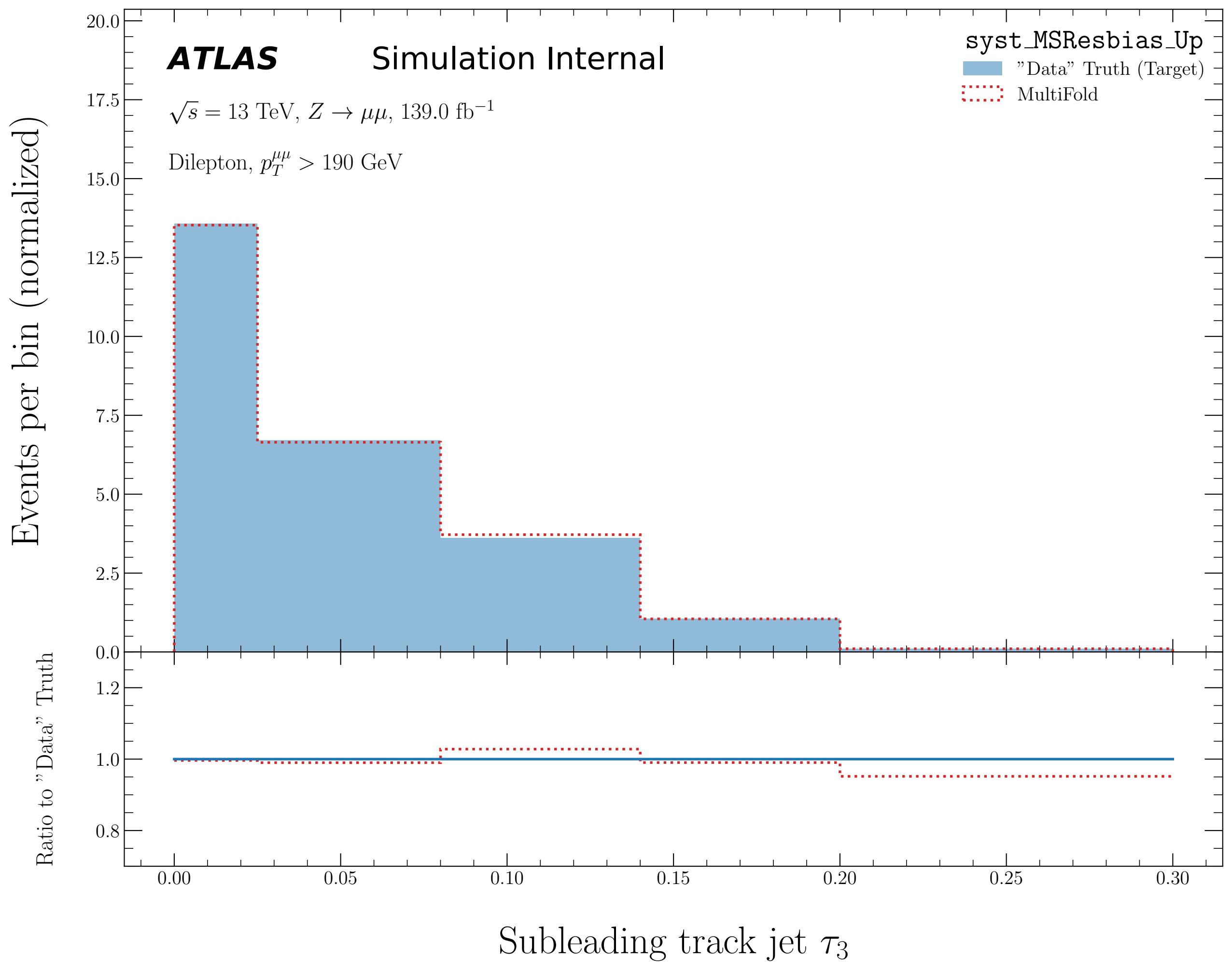


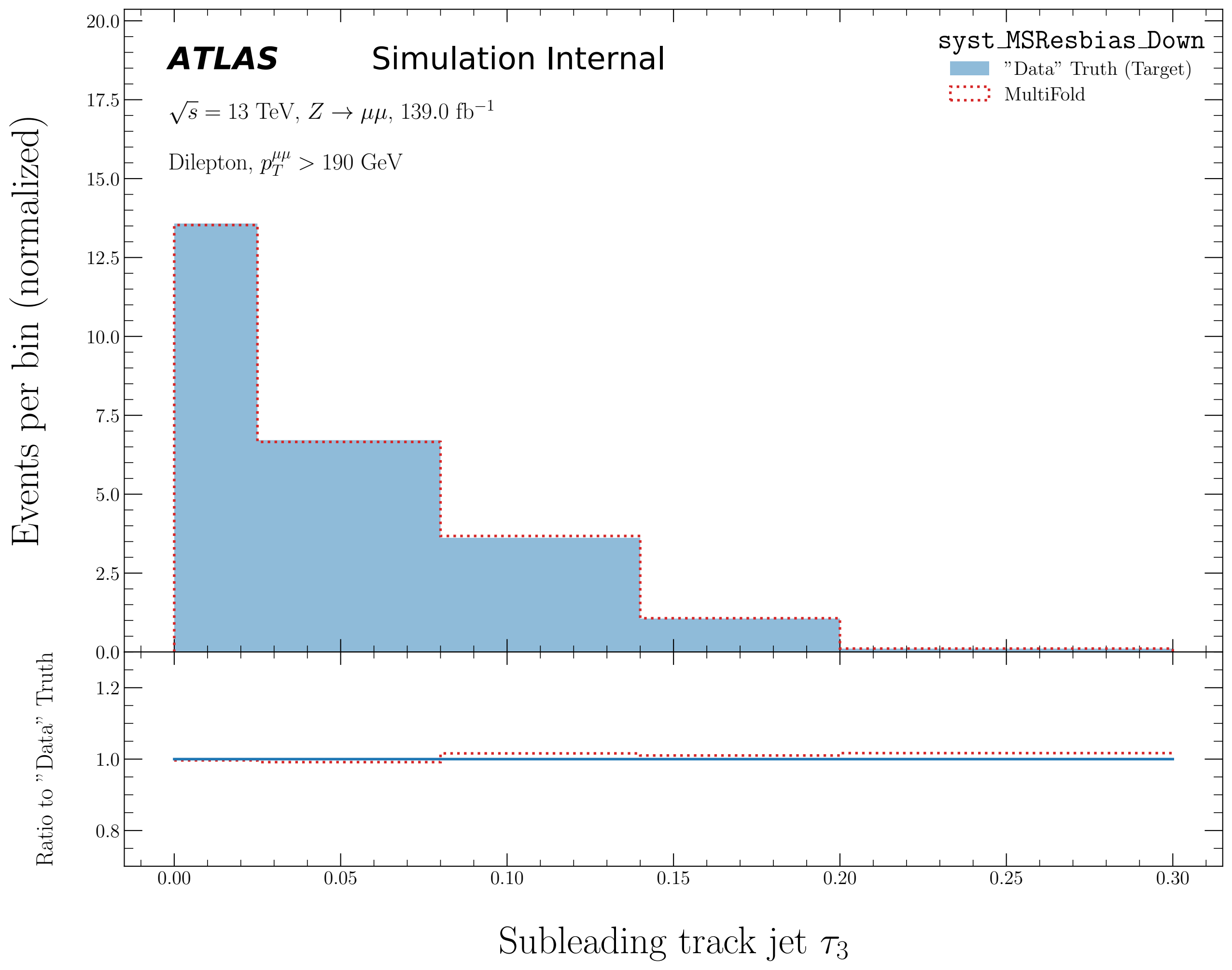


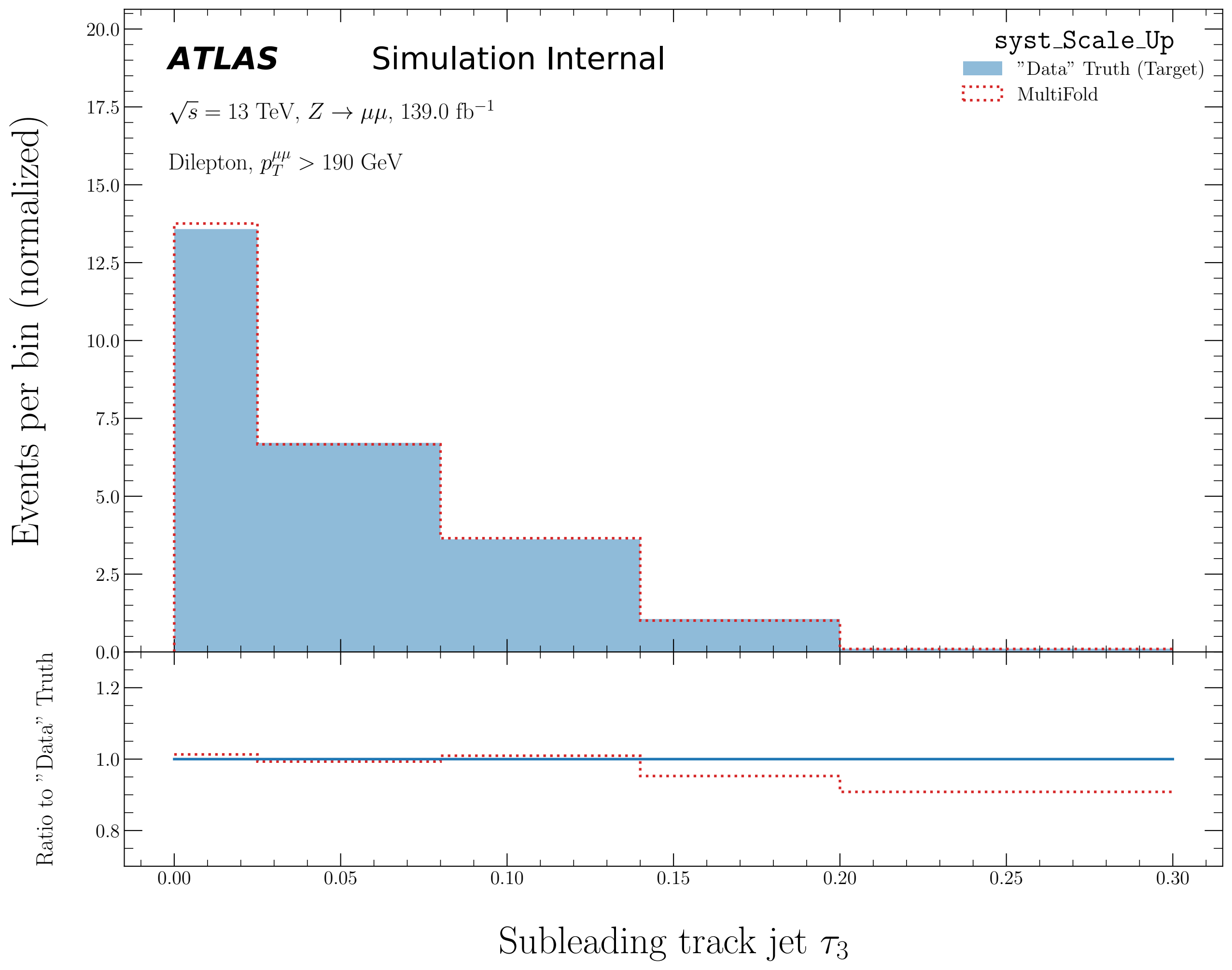


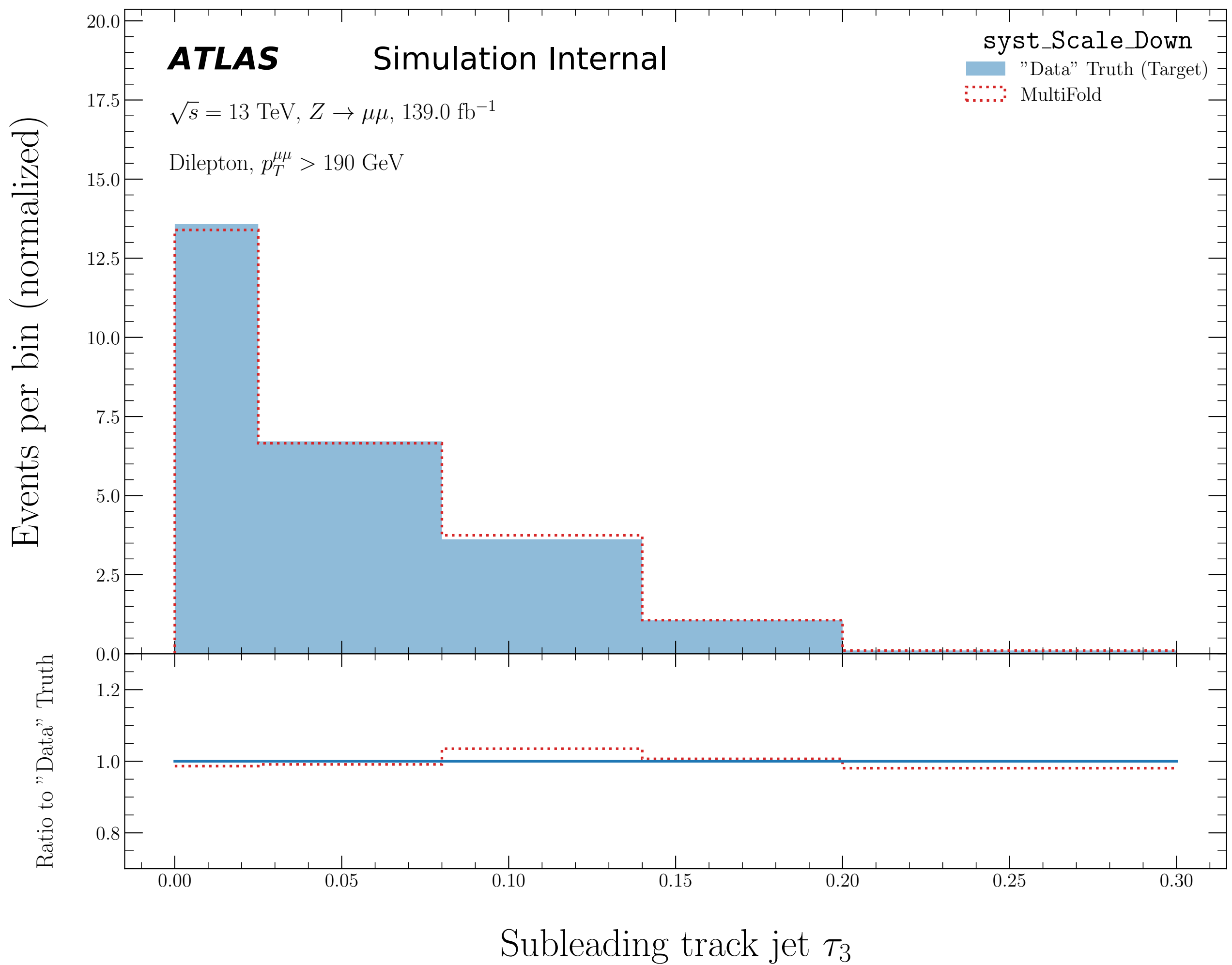




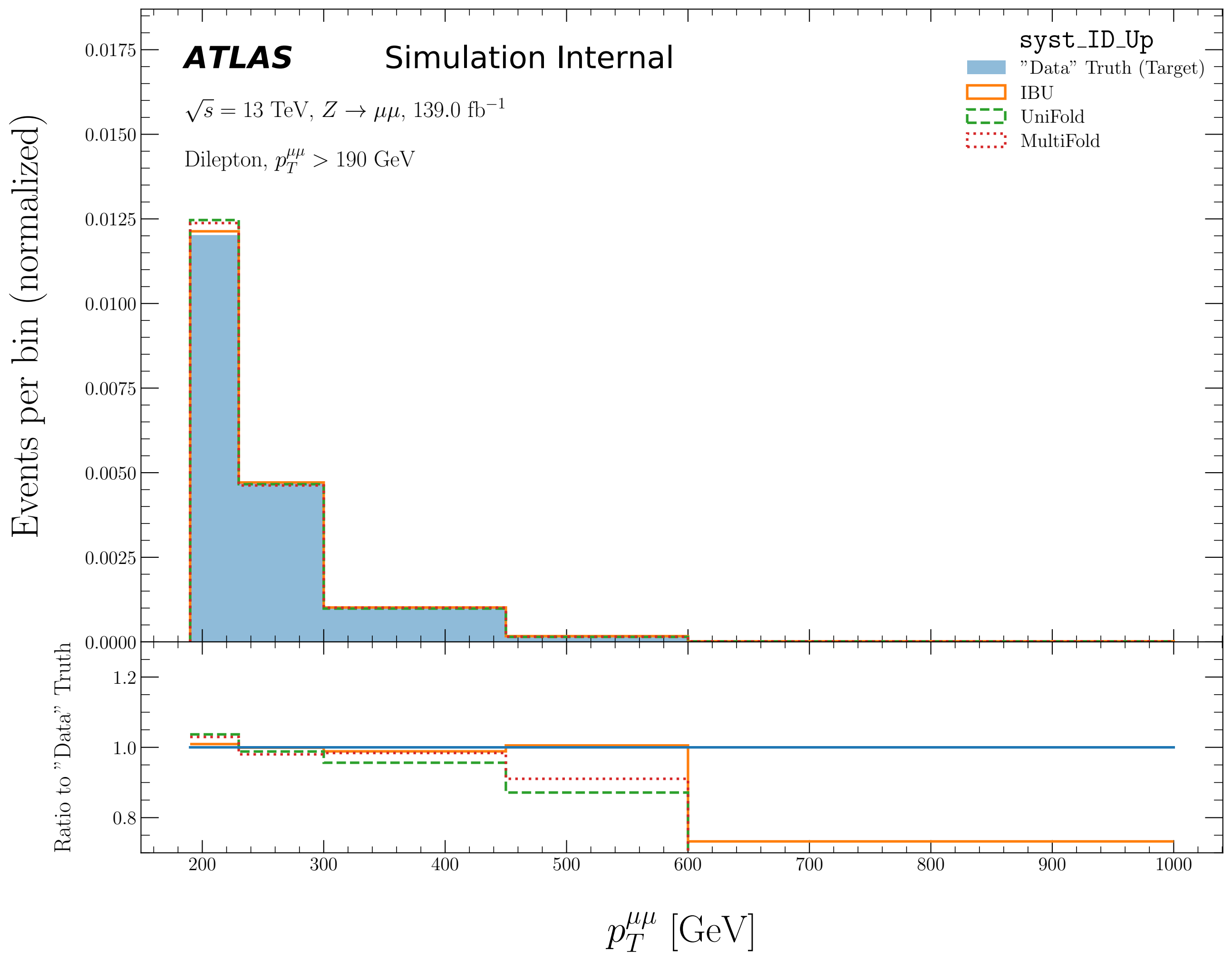


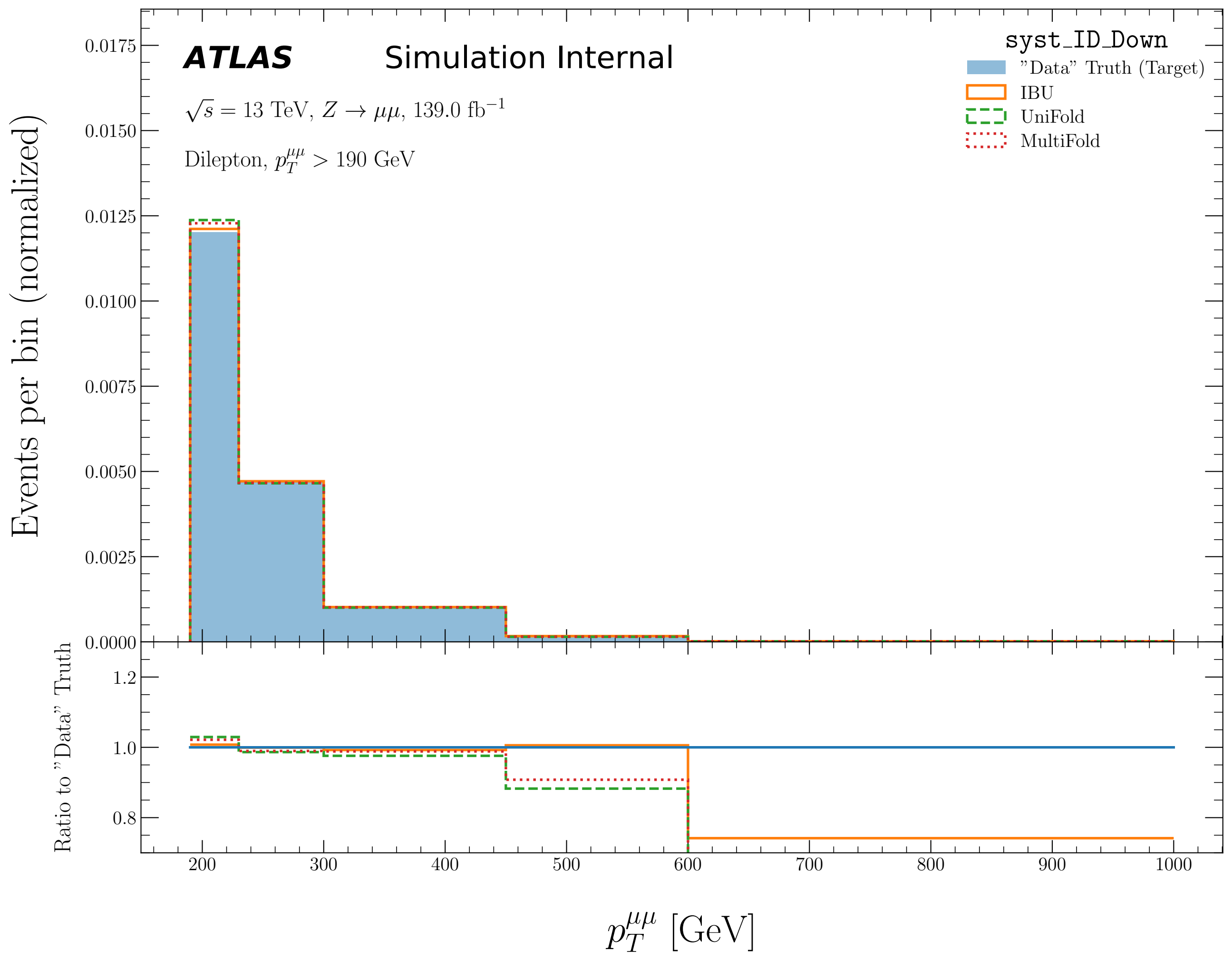


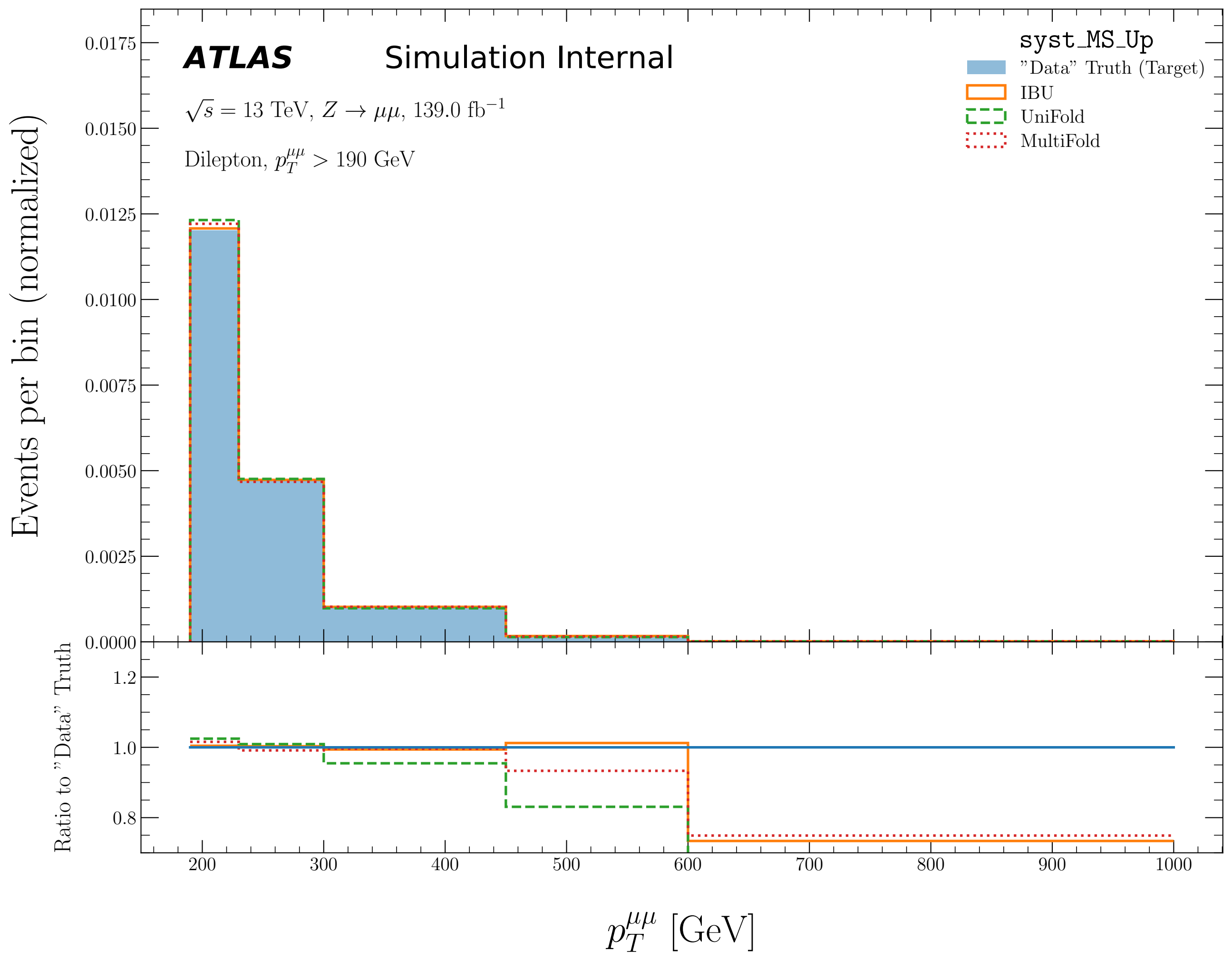


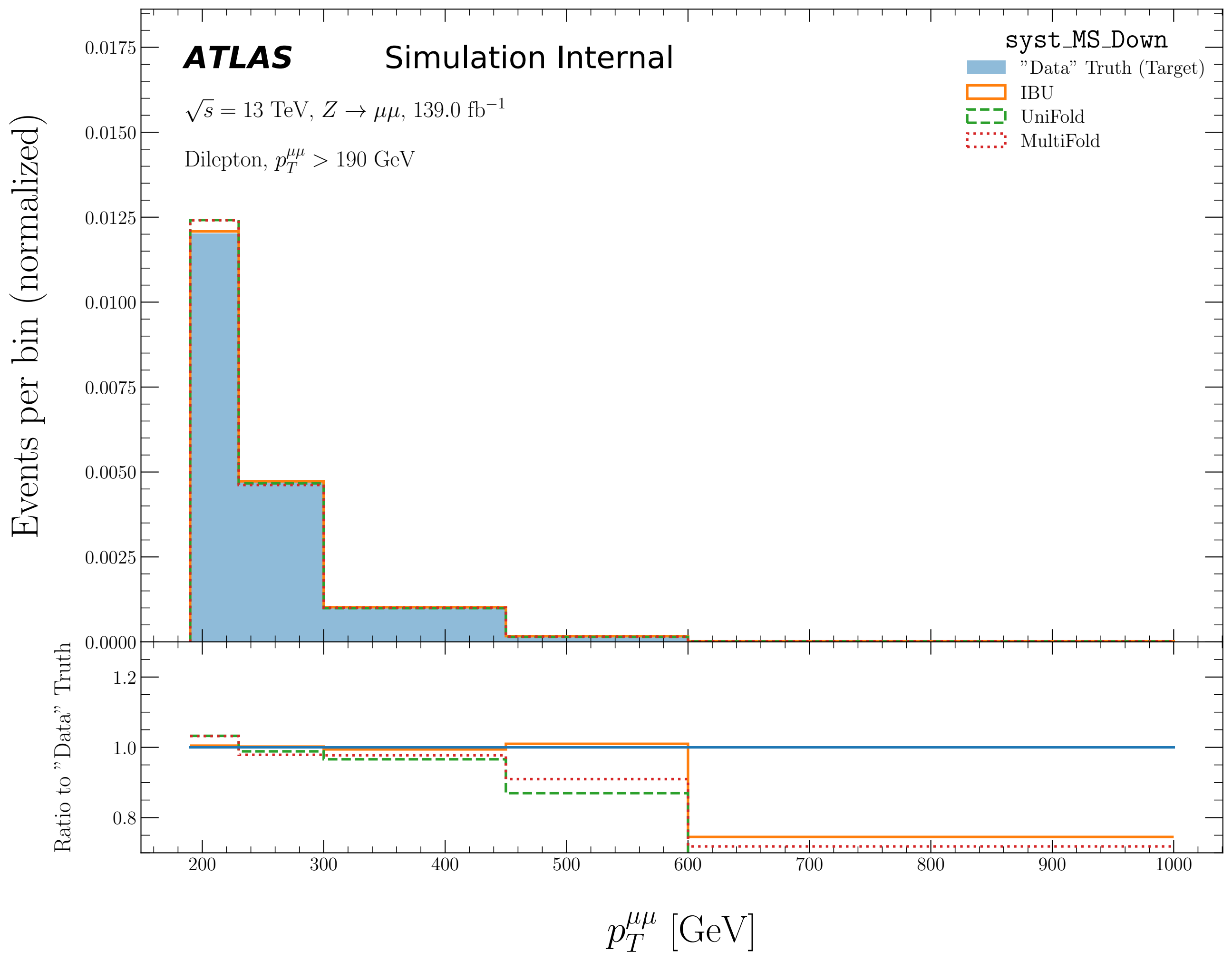


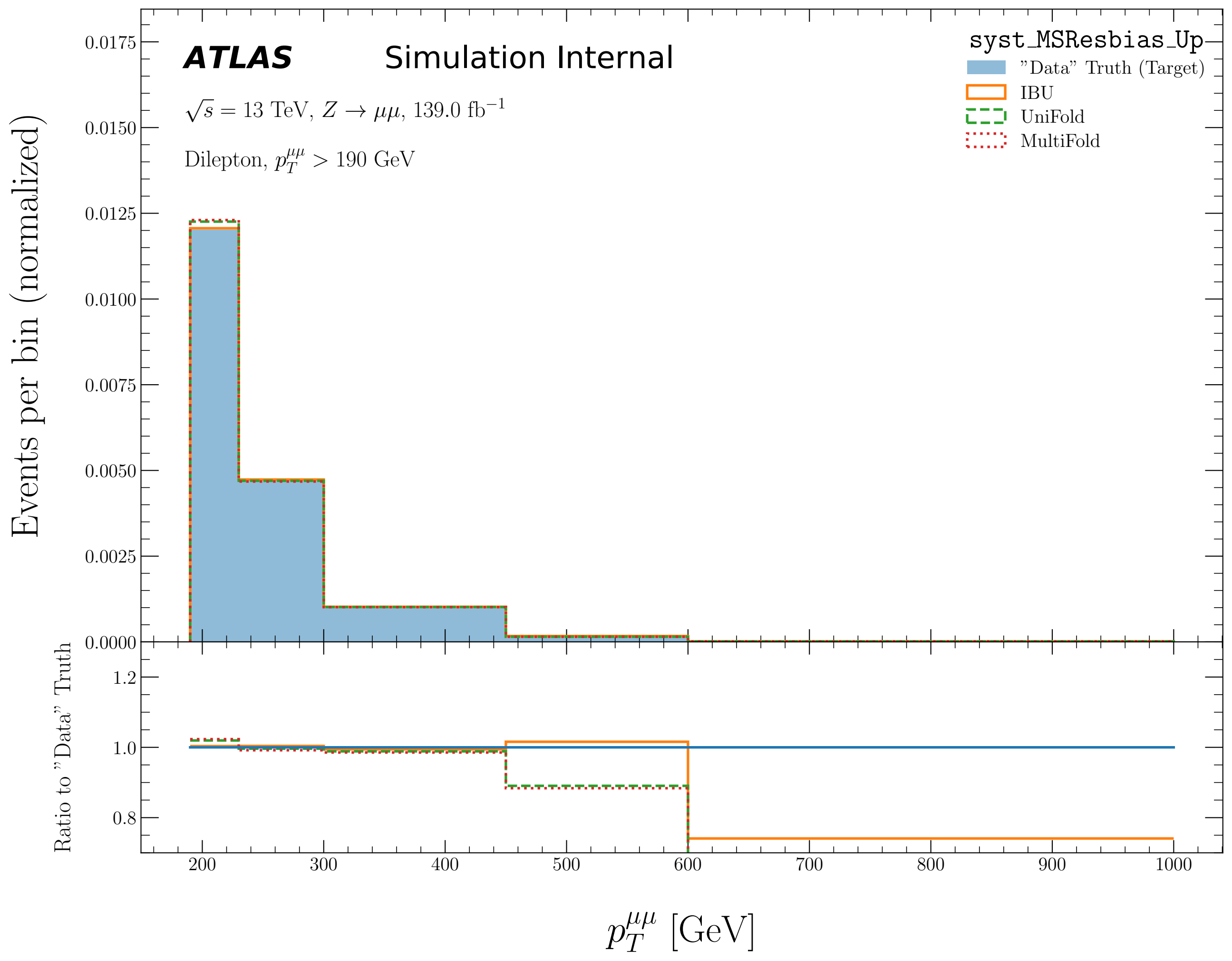


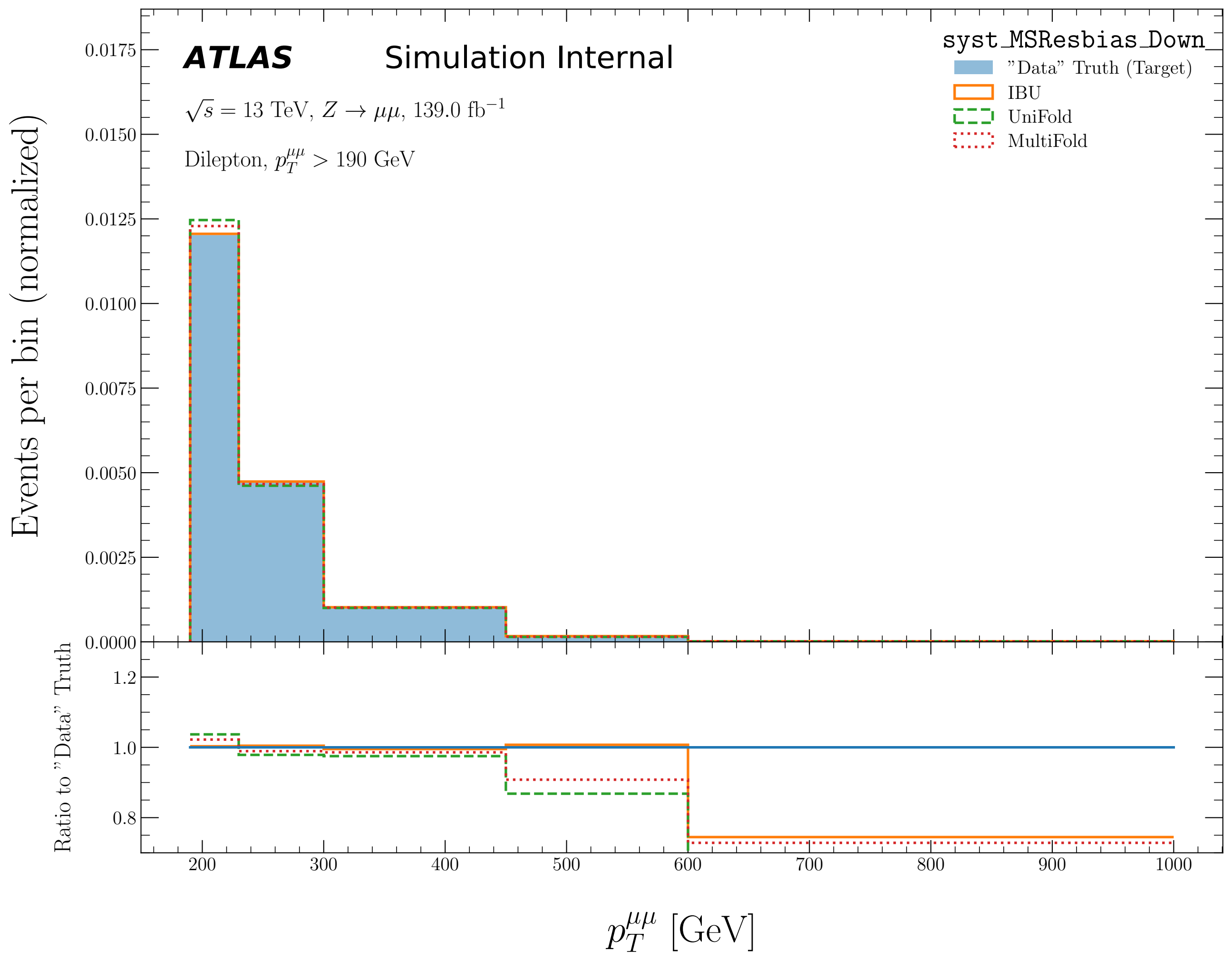


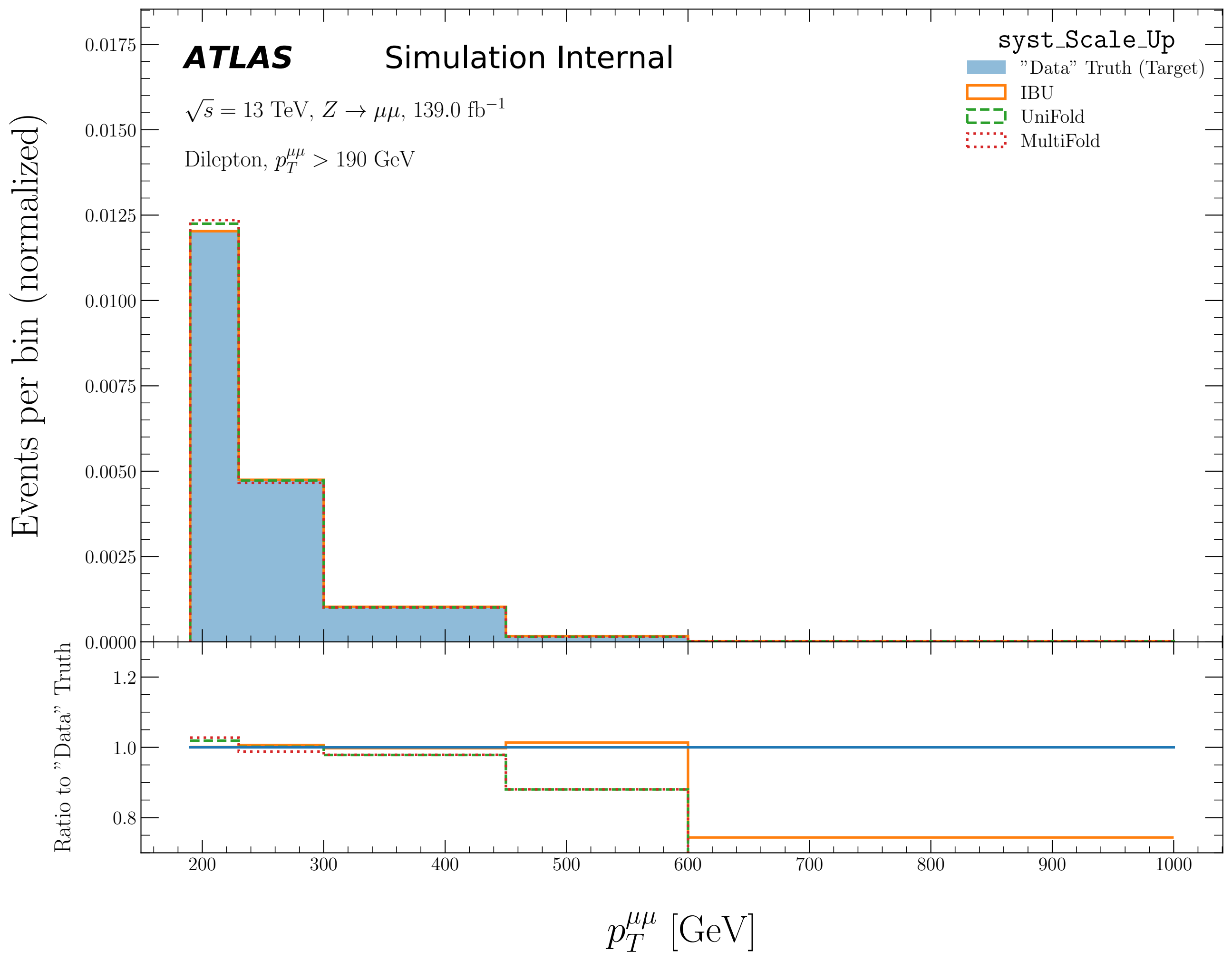


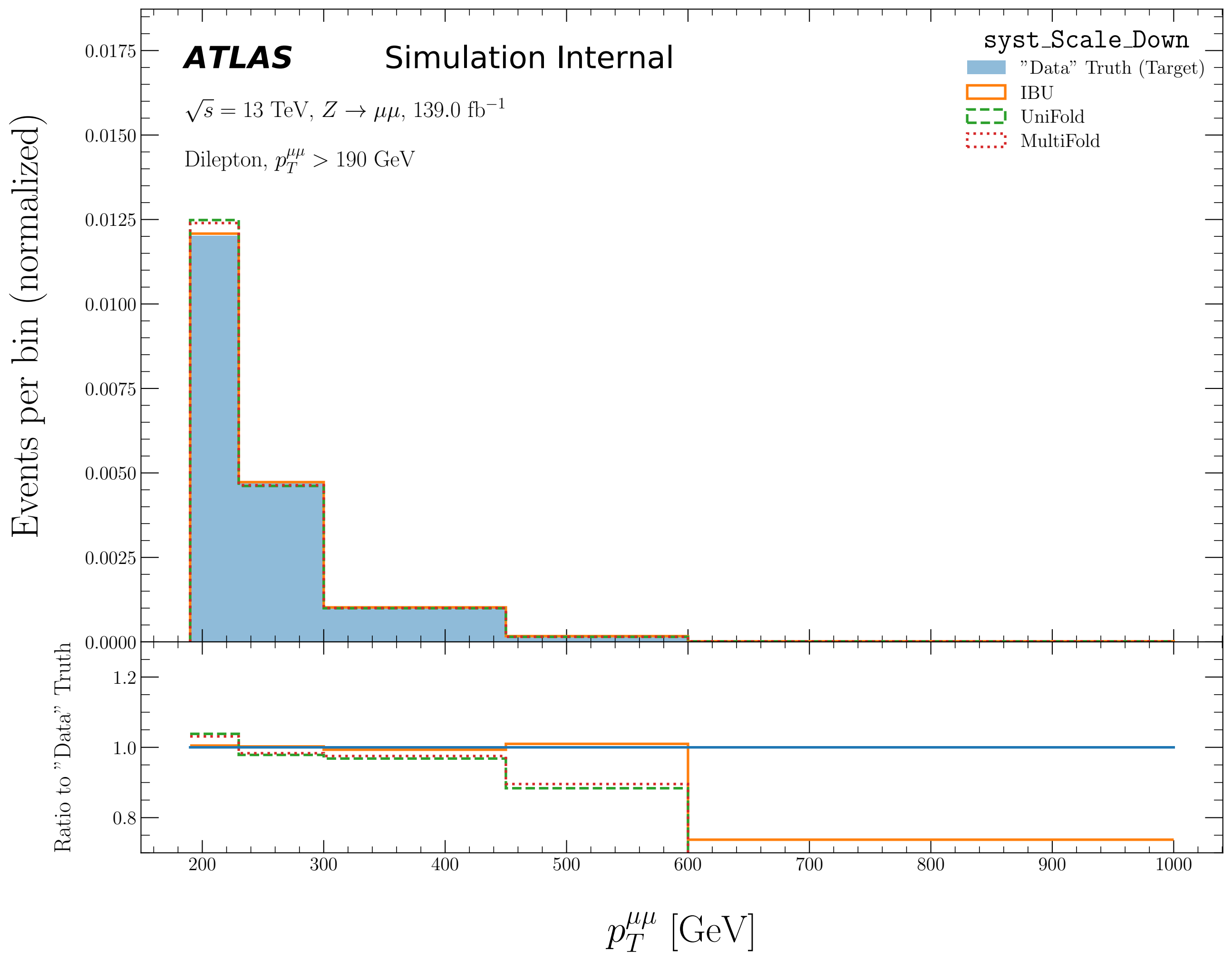




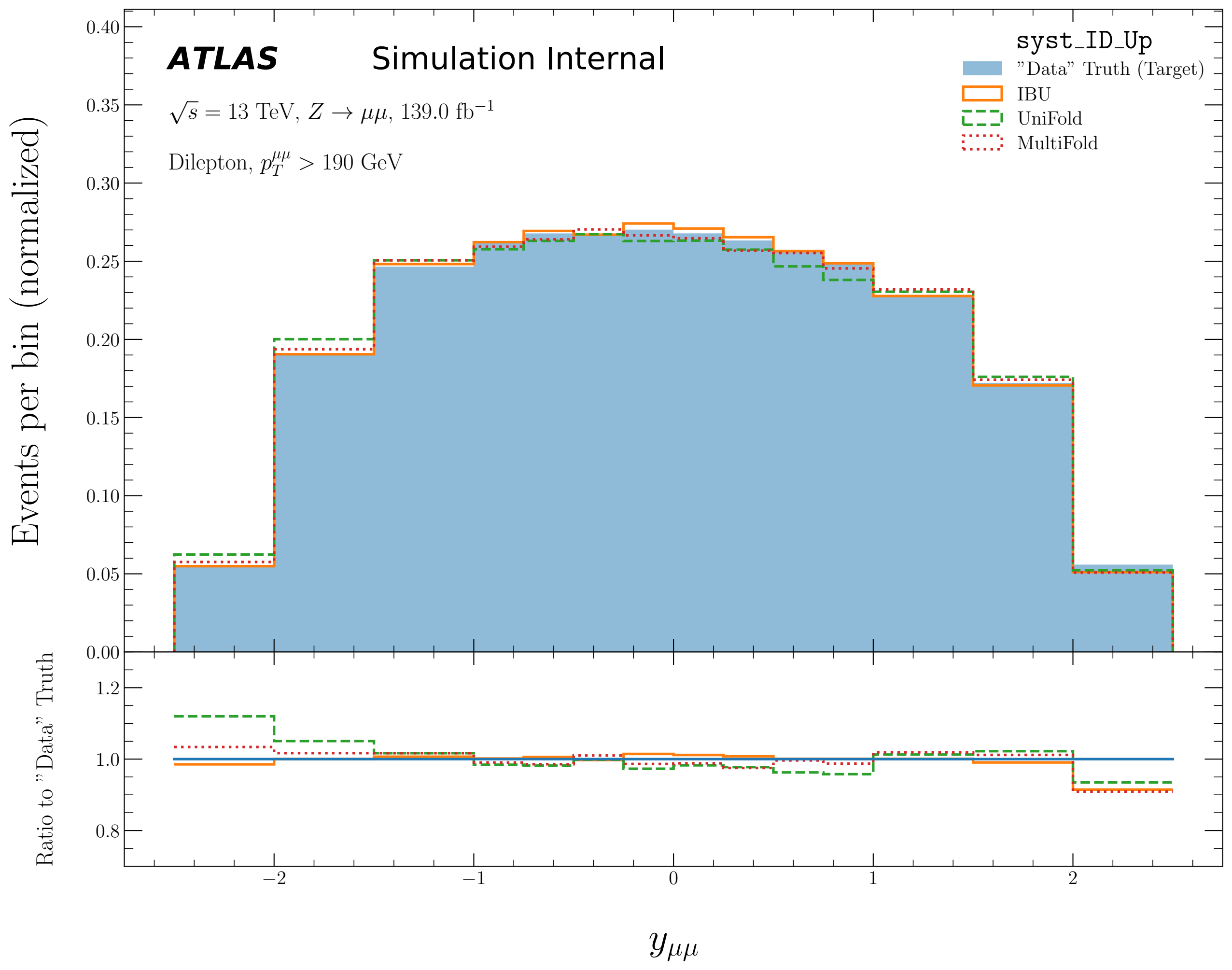


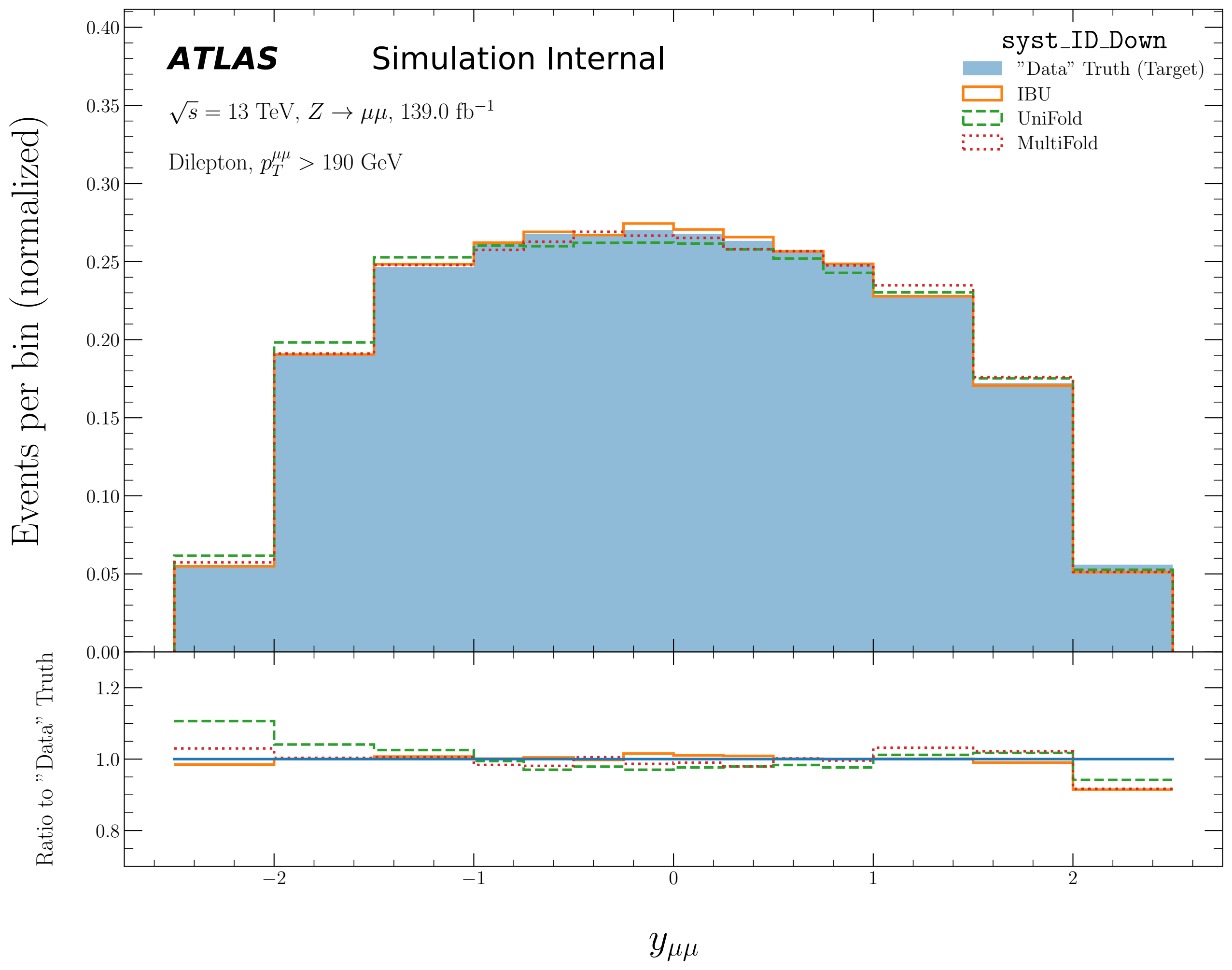












Events per bin (normalized)

**ATLAS**

Simulation Internal

$\sqrt{s} = 13 \text{ TeV}, Z \rightarrow \mu\mu, 139.0 \text{ fb}^{-1}$

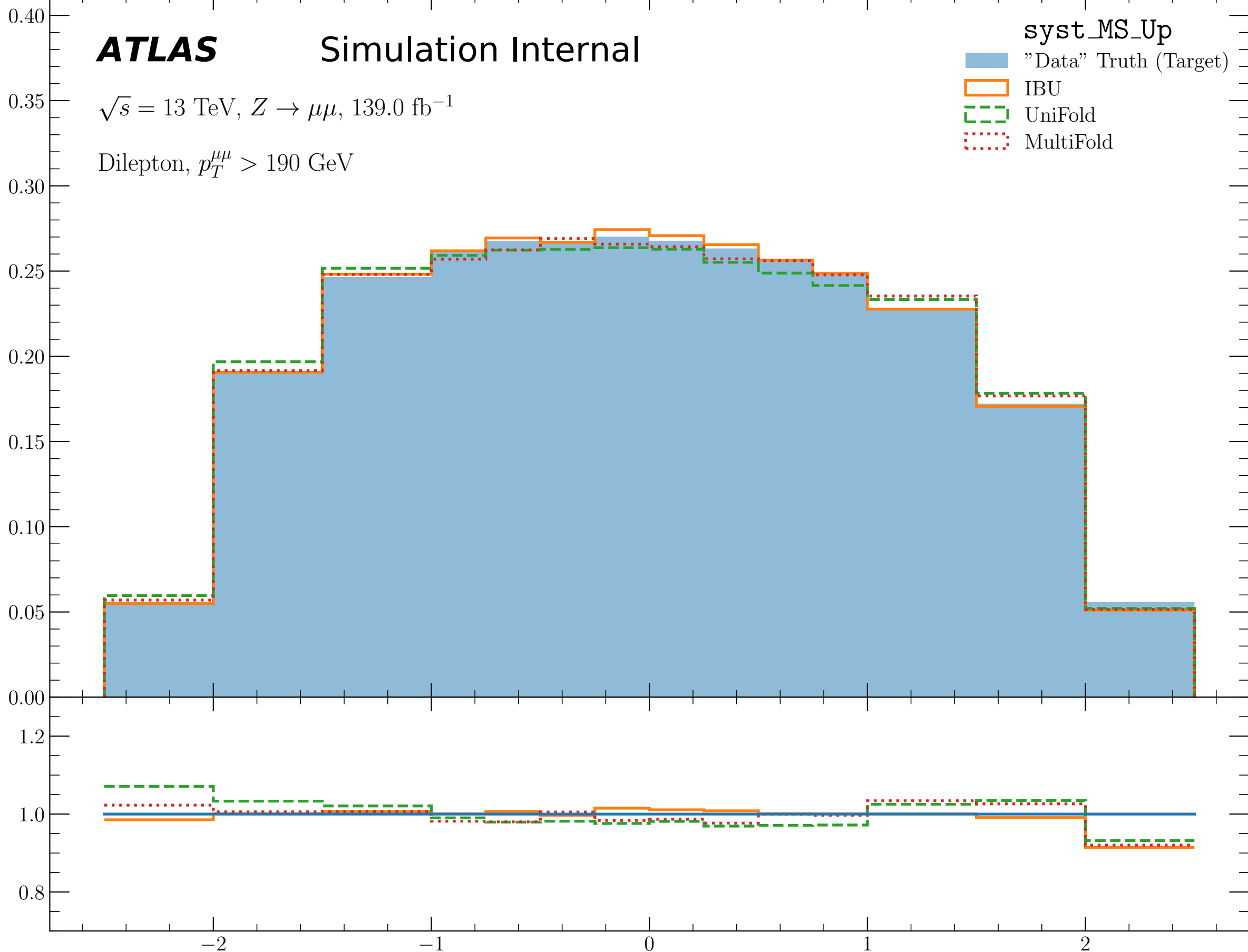
Dilepton,  $p_T^{\mu\mu} > 190 \text{ GeV}$

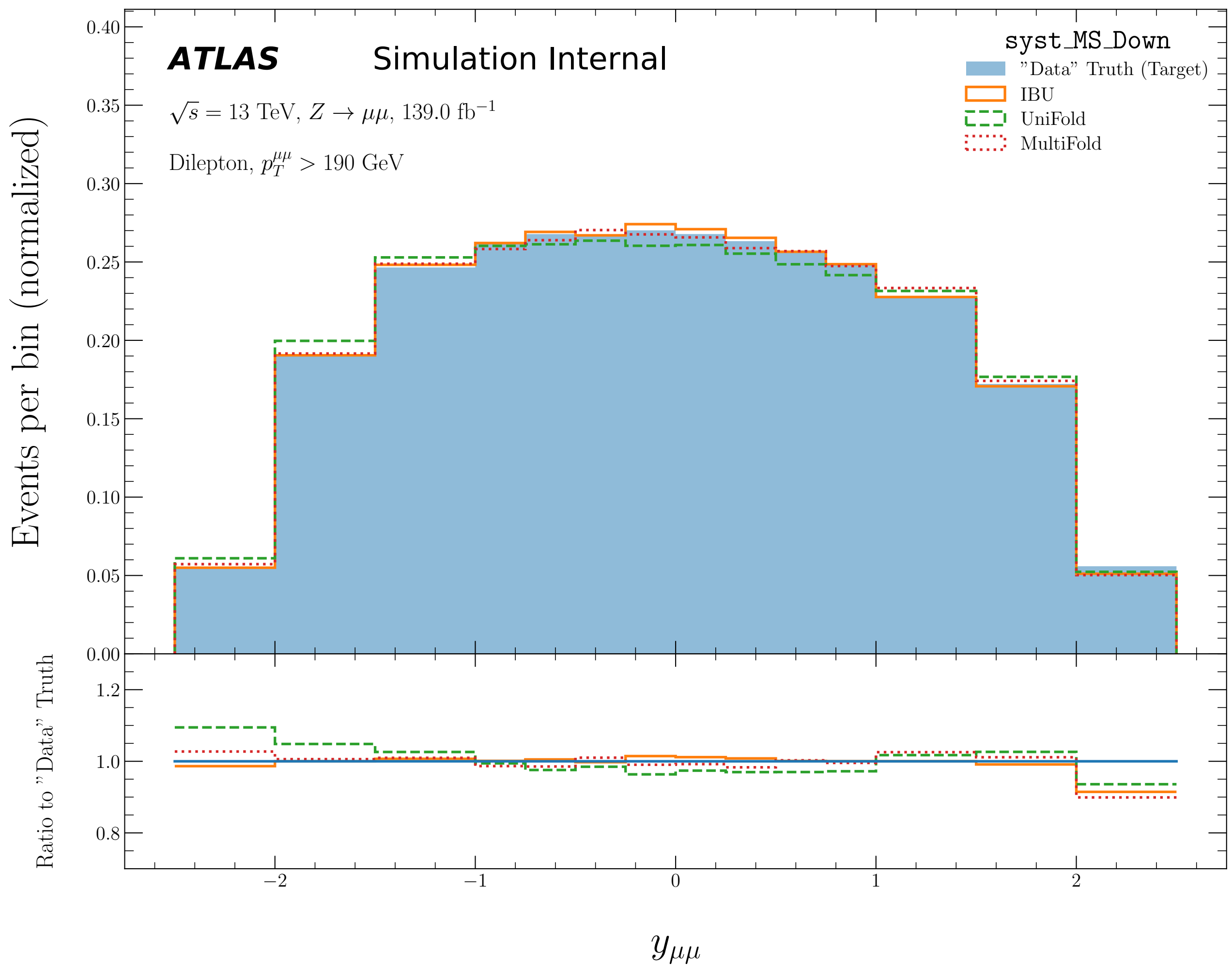
syst\_MS\_Up

- "Data" Truth (Target)
- IBU
- UniFold
- MultiFold

Ratio to "Data" Truth

$y_{\mu\mu}$





Events per bin (normalized)

**ATLAS**

Simulation Internal

$\sqrt{s} = 13 \text{ TeV}, Z \rightarrow \mu\mu, 139.0 \text{ fb}^{-1}$

Dilepton,  $p_T^{\mu\mu} > 190 \text{ GeV}$

syst\_MSResbias\_Up

"Data" Truth (Target)

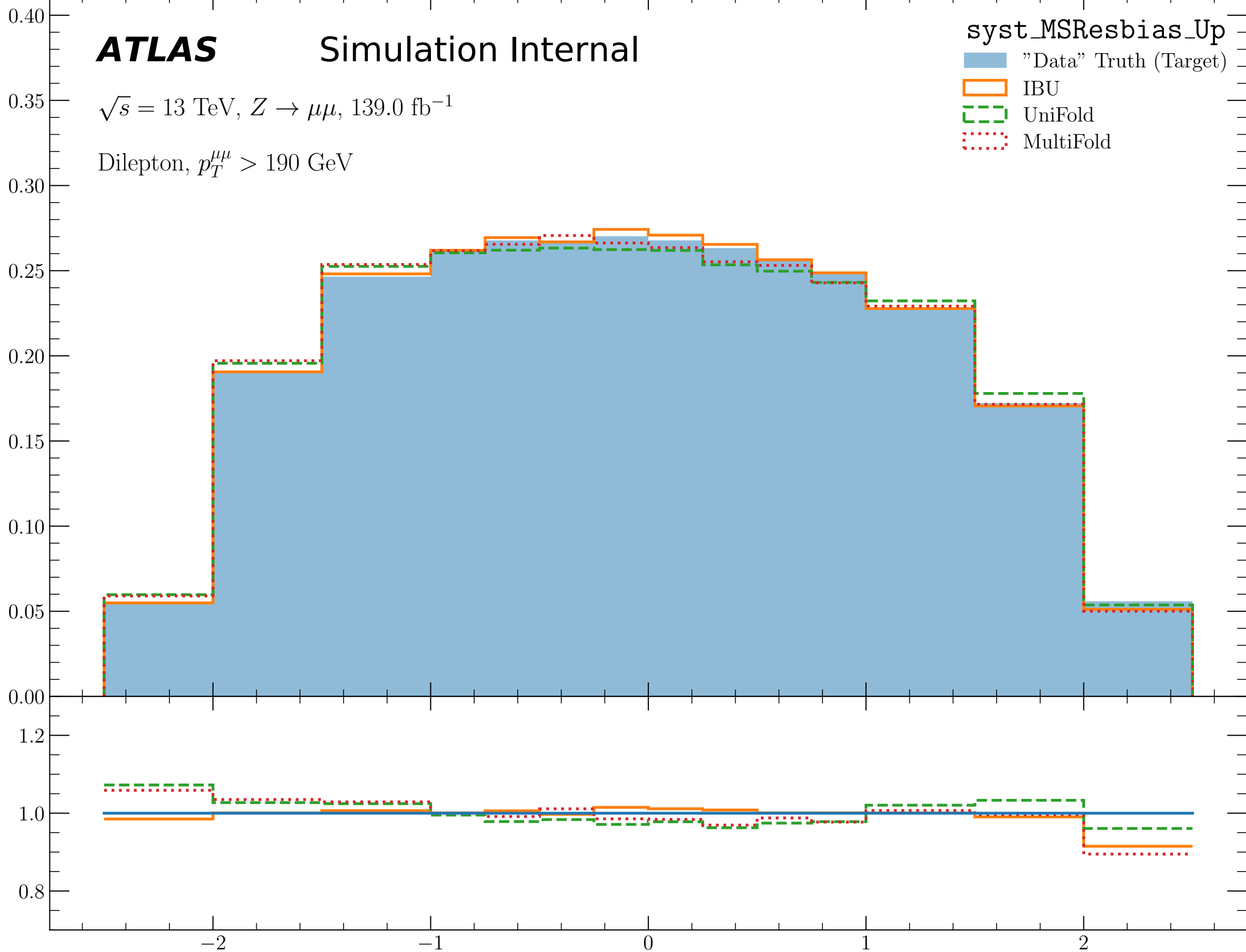
IBU

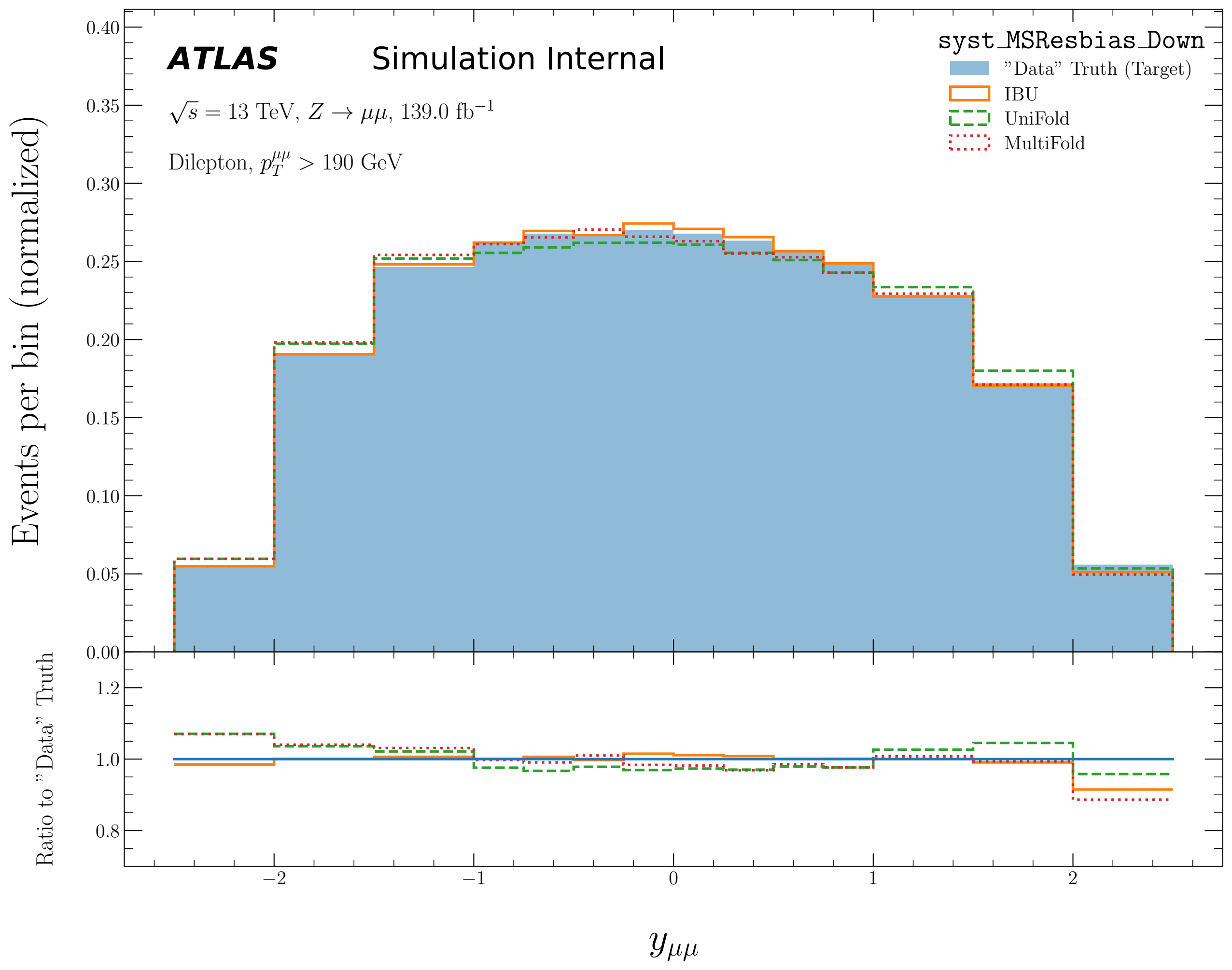
UniFold

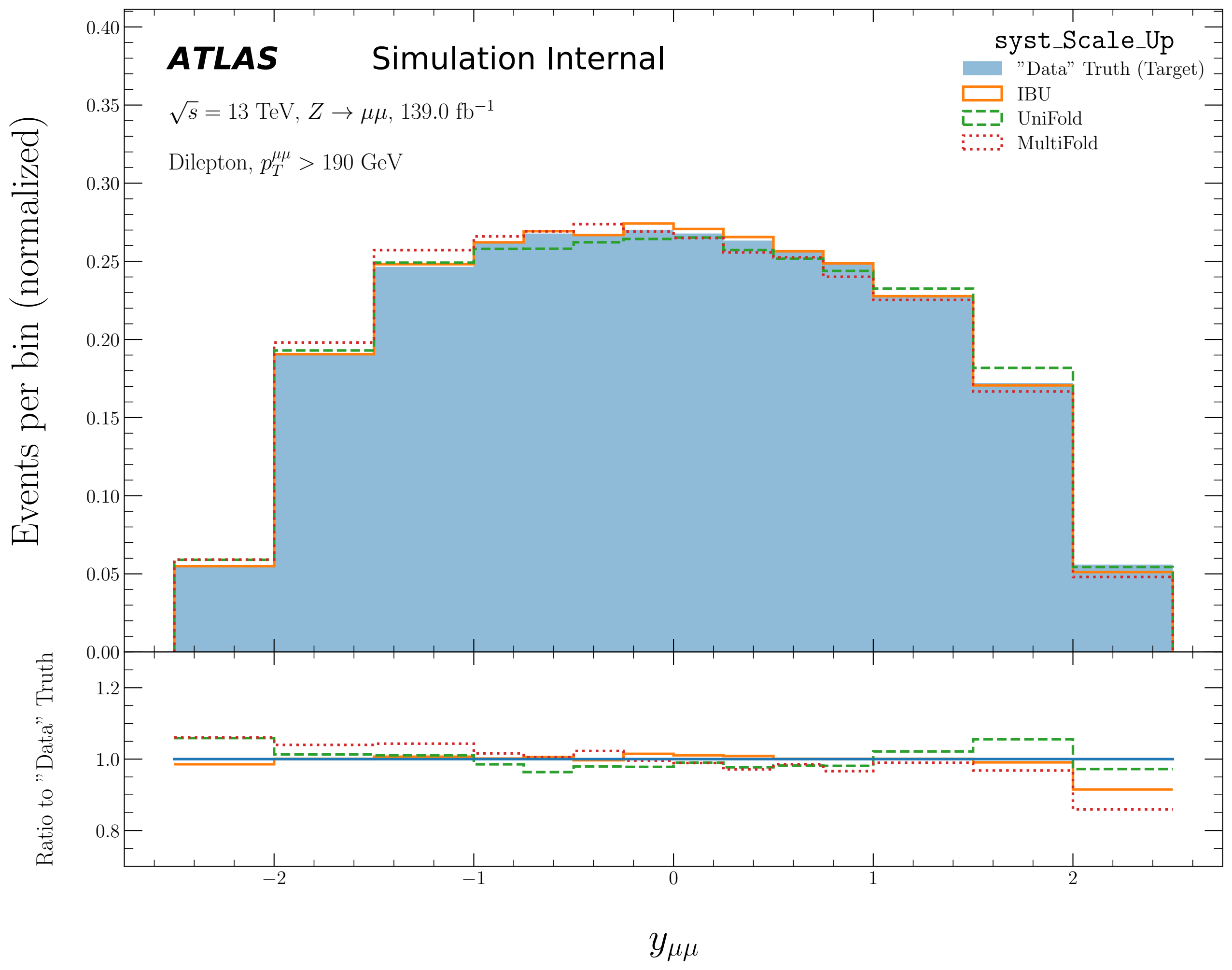
MultiFold

Ratio to "Data" Truth

$y_{\mu\mu}$







Events per bin (normalized)

**ATLAS**

Simulation Internal

$\sqrt{s} = 13 \text{ TeV}, Z \rightarrow \mu\mu, 139.0 \text{ fb}^{-1}$

Dilepton,  $p_T^{\mu\mu} > 190 \text{ GeV}$

syst\_Scale\_Down

- "Data" Truth (Target)
- IBU
- UniFold
- MultiFold

Ratio to "Data" Truth

$y_{\mu\mu}$

