

ATLAS

Simulation Internal

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

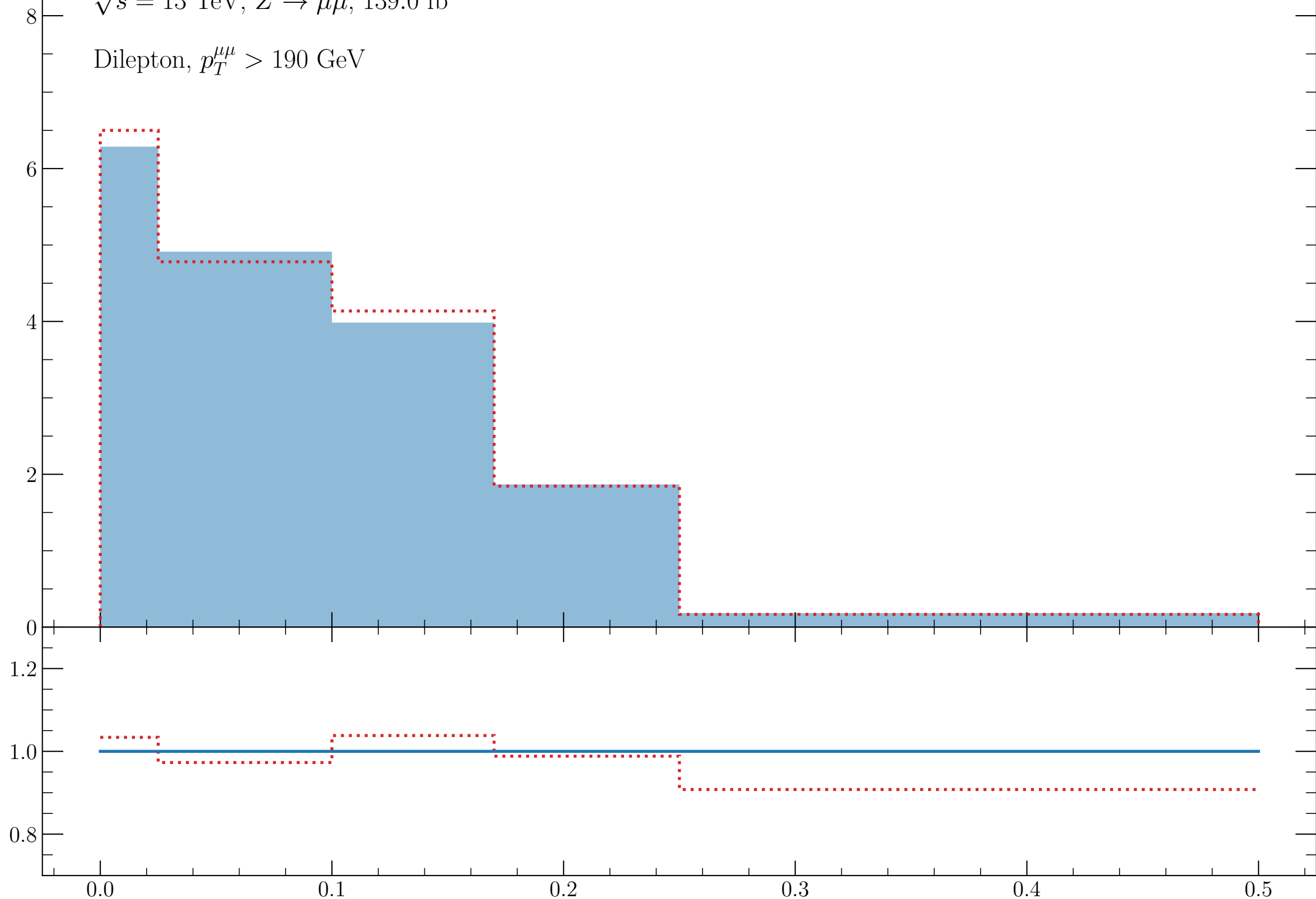
syst_Scale_Up

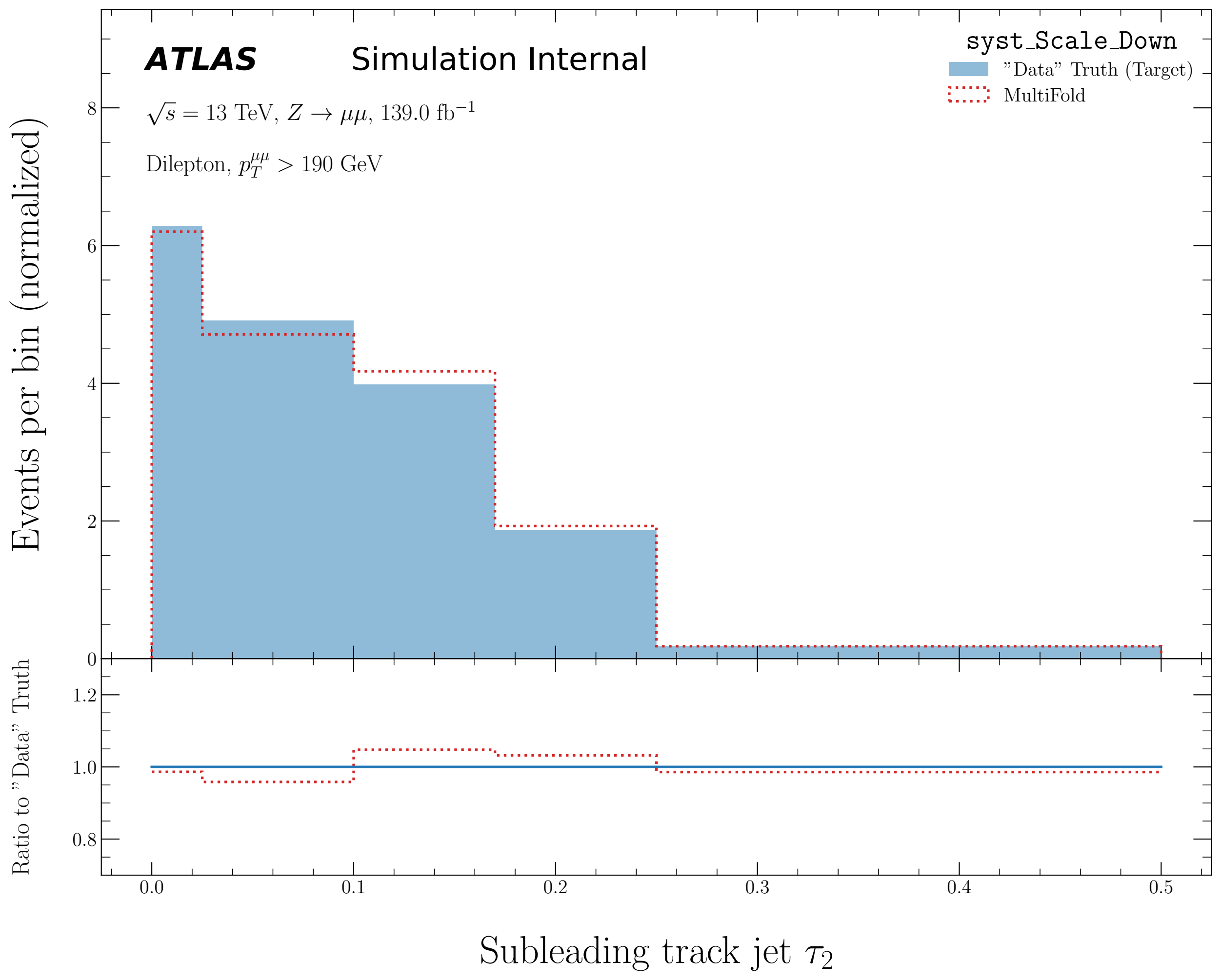
"Data" Truth (Target)

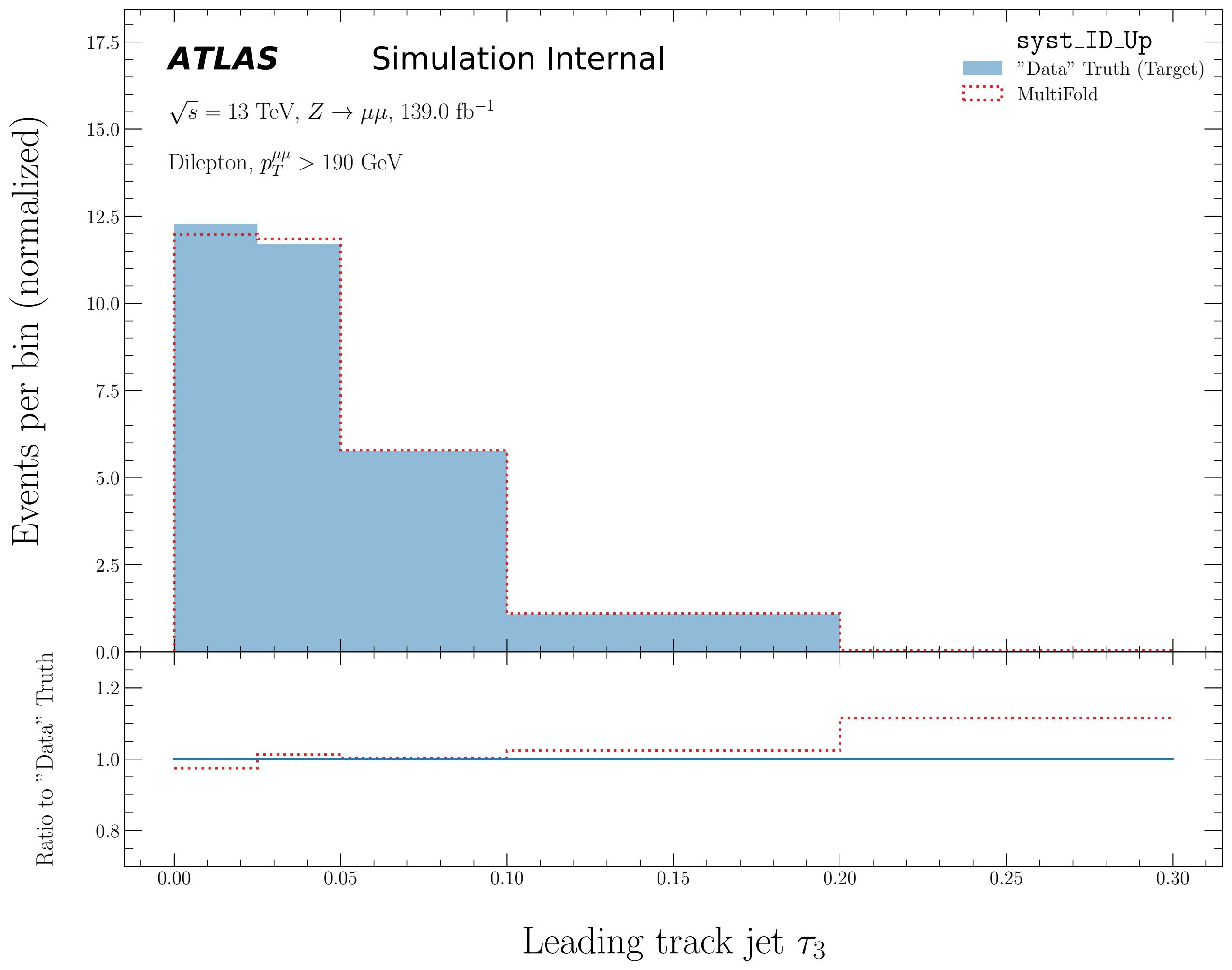
MultiFold

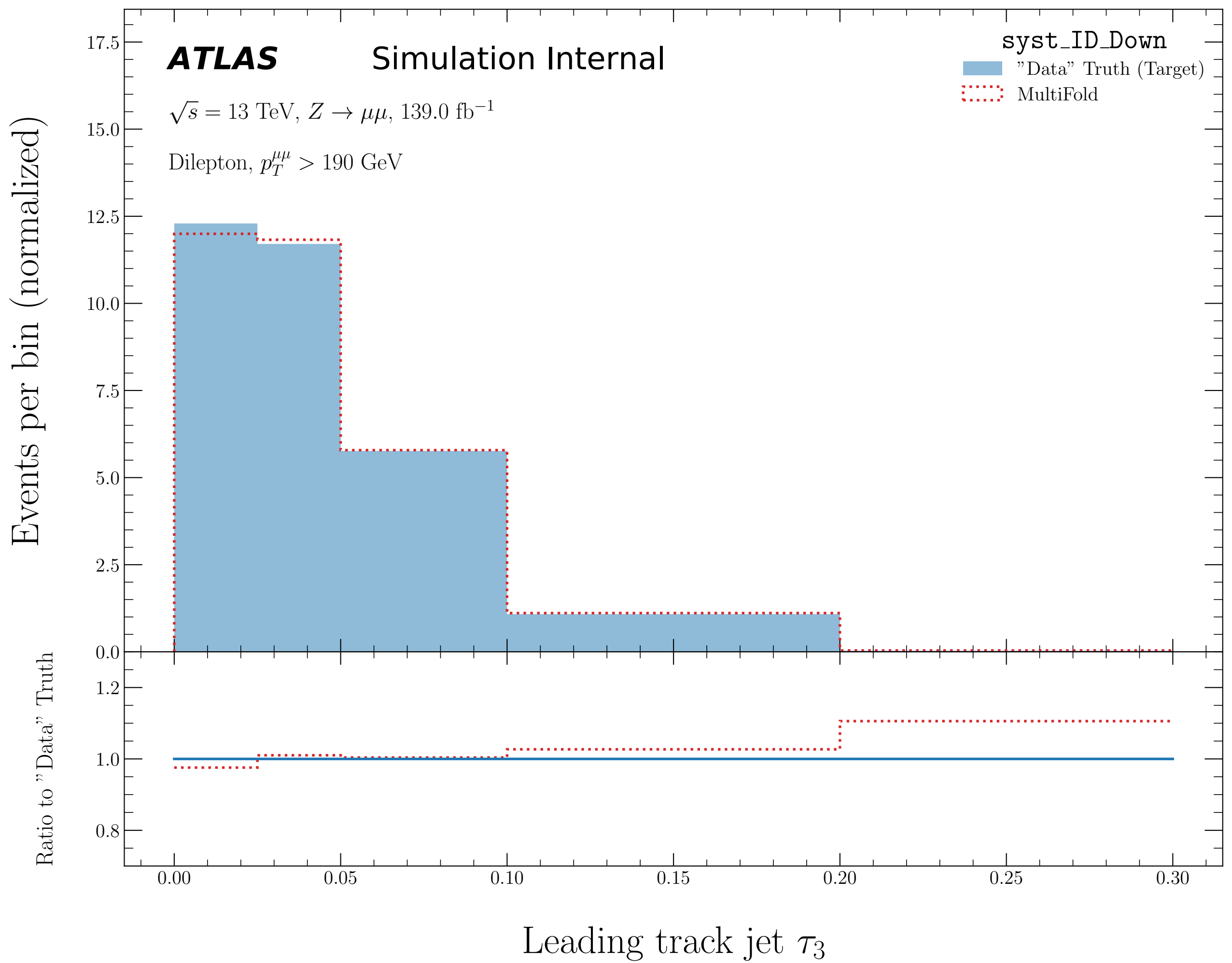
Events per bin (normalized)

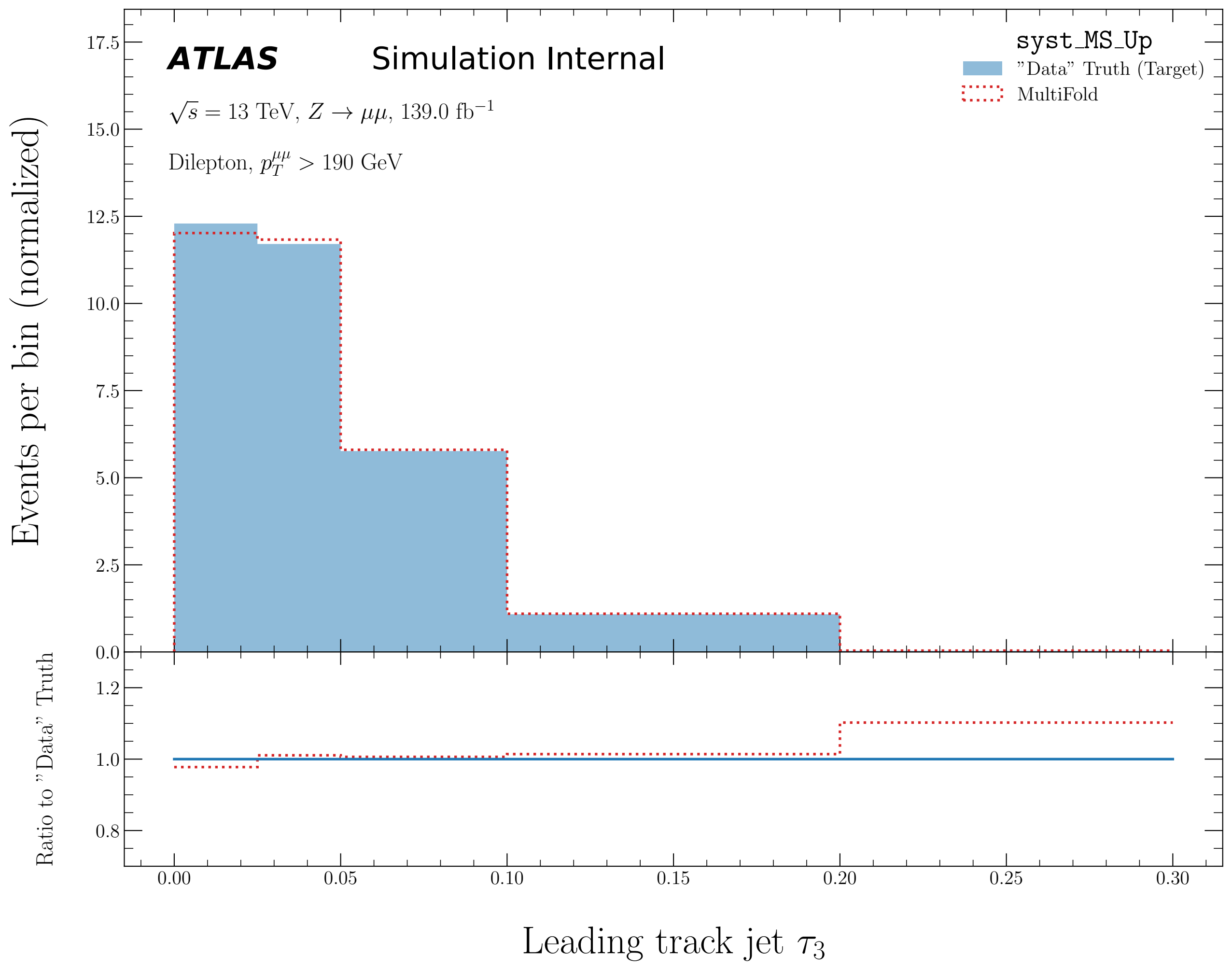
Ratio to "Data" Truth

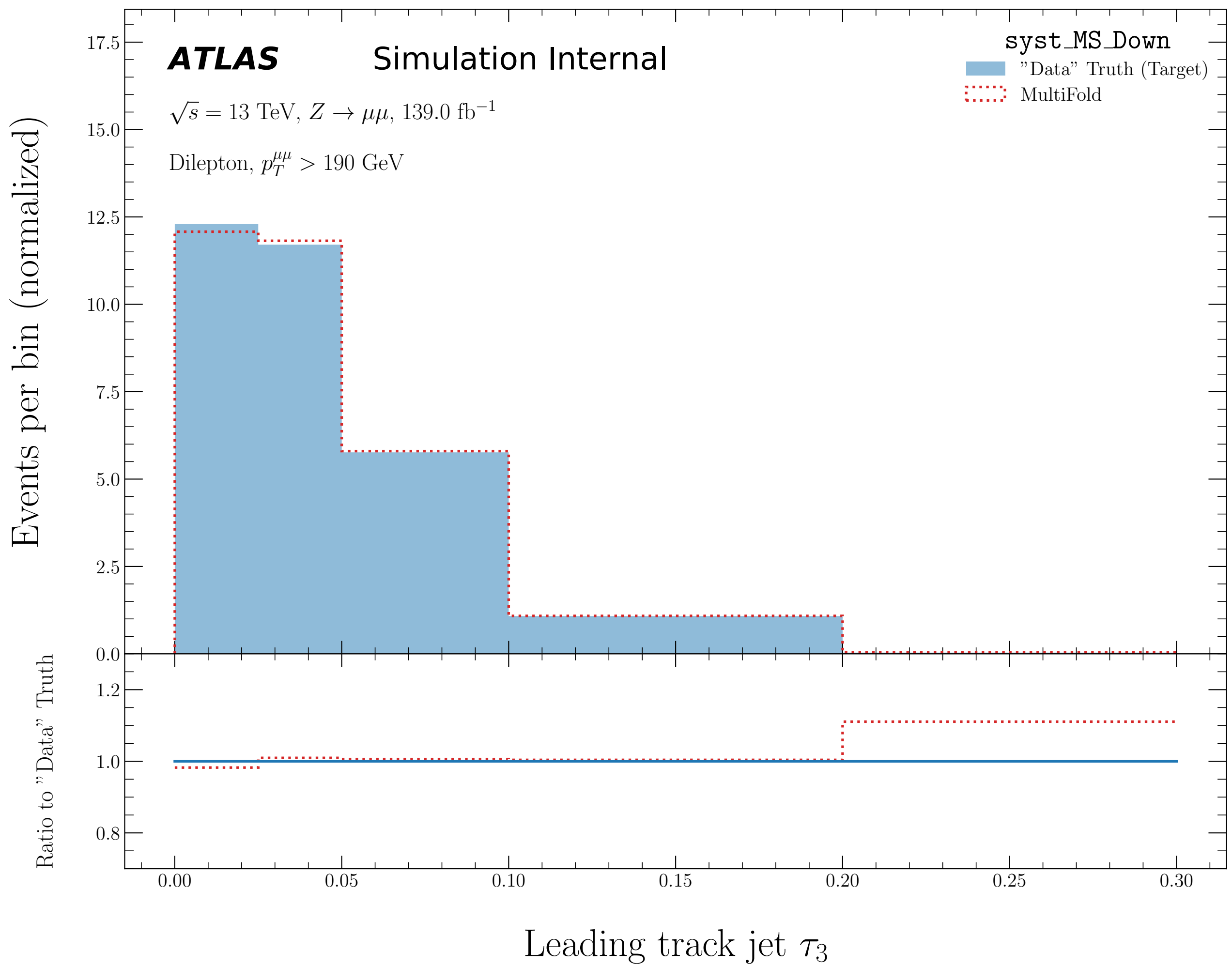
Subleading track jet τ_2

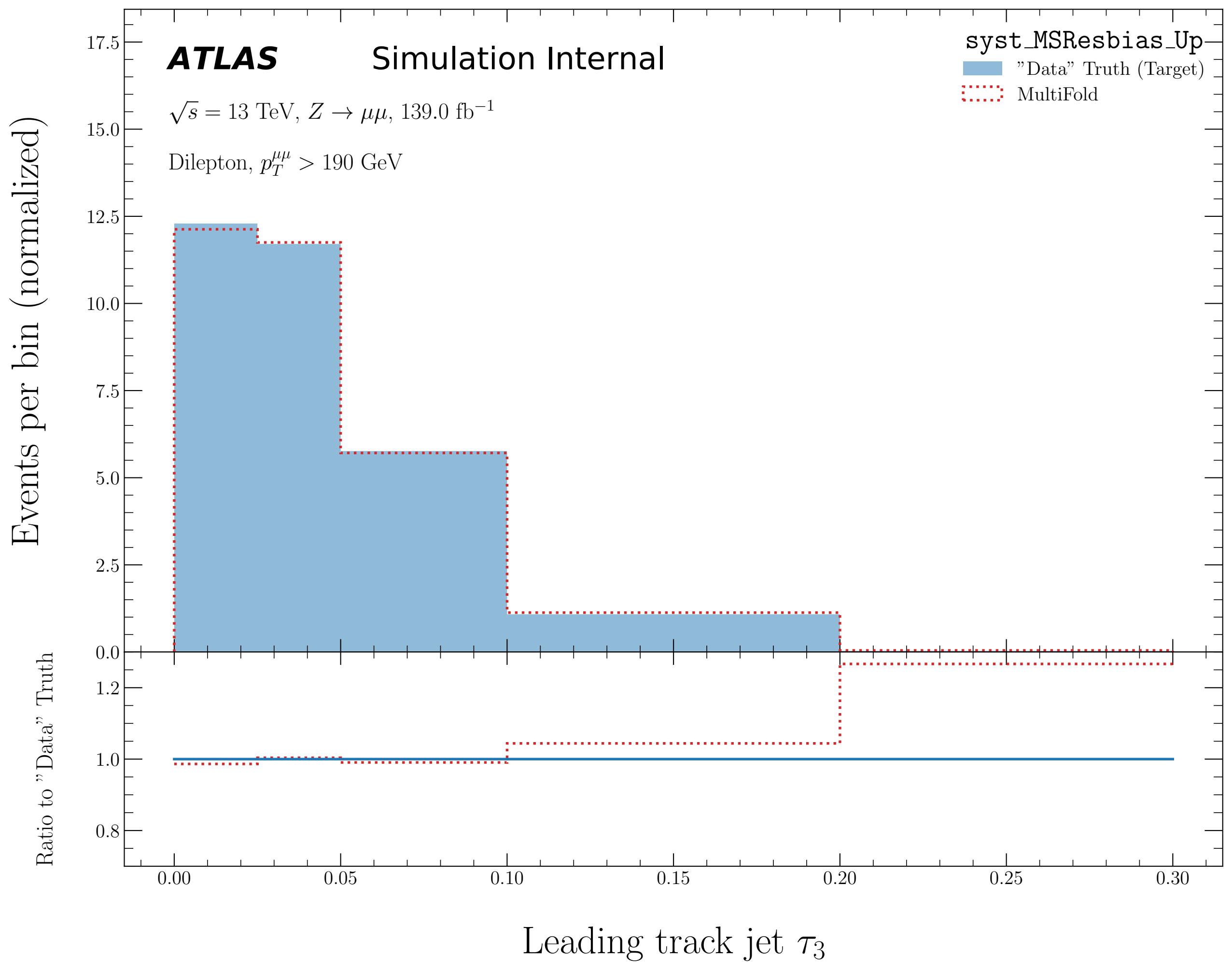


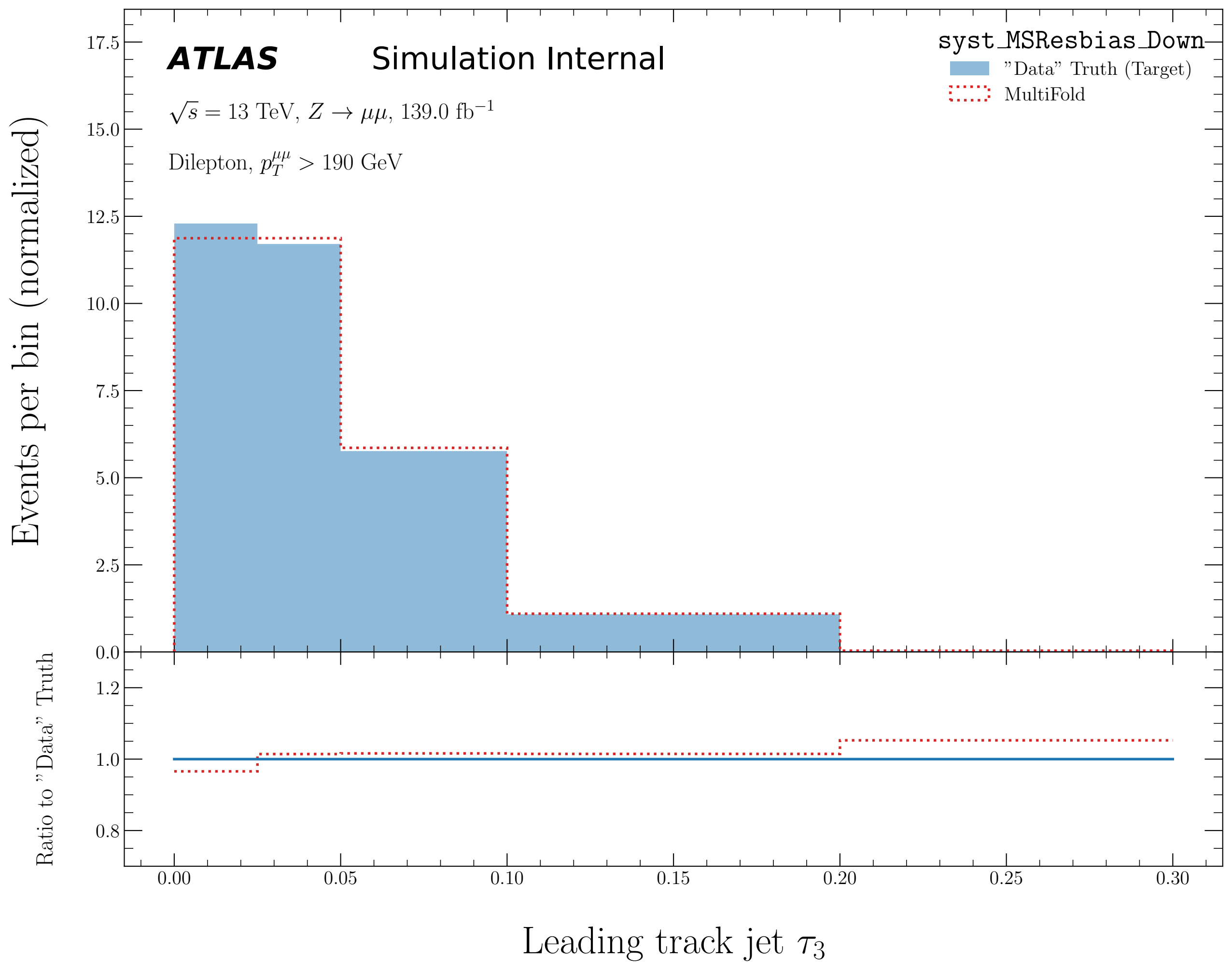


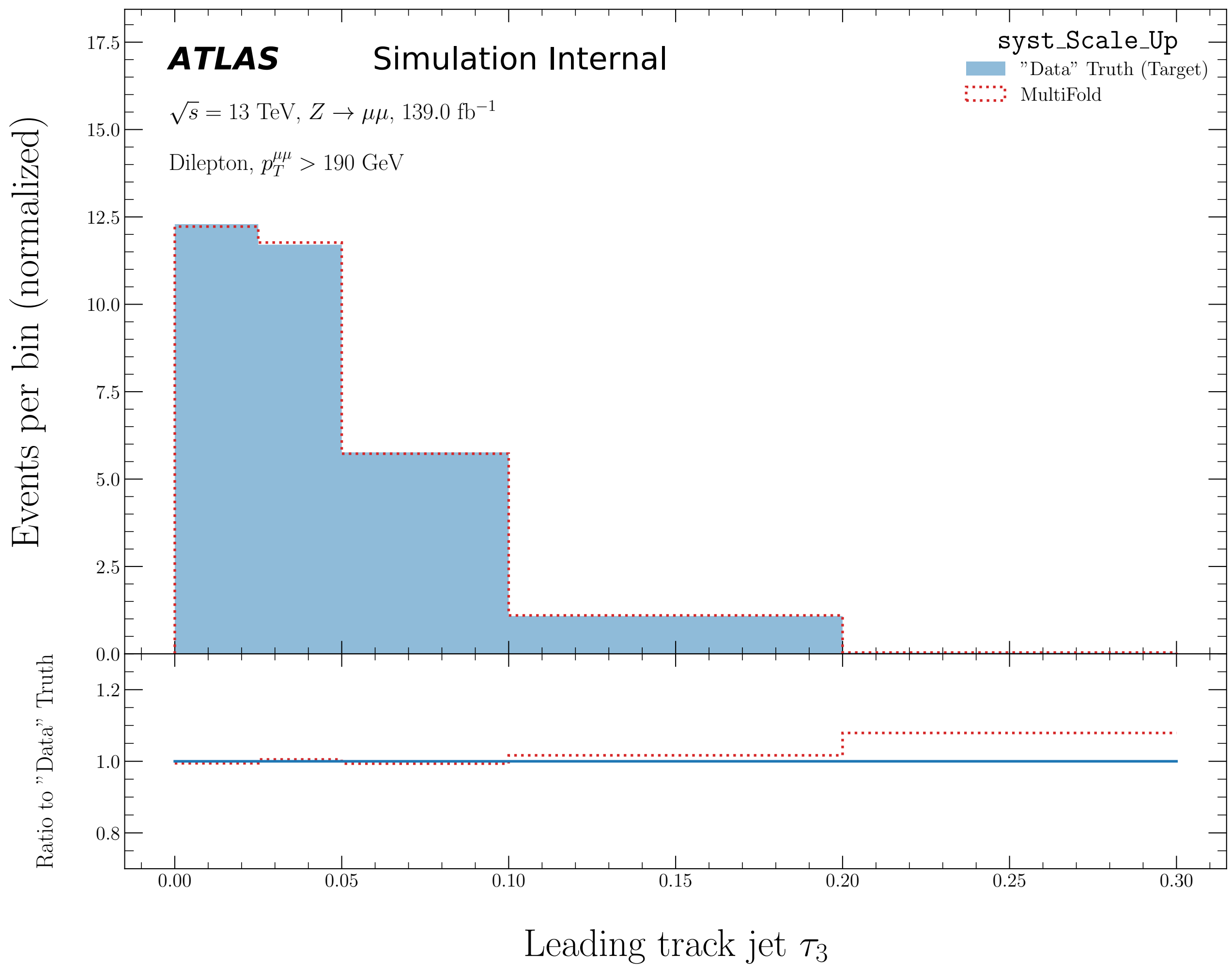


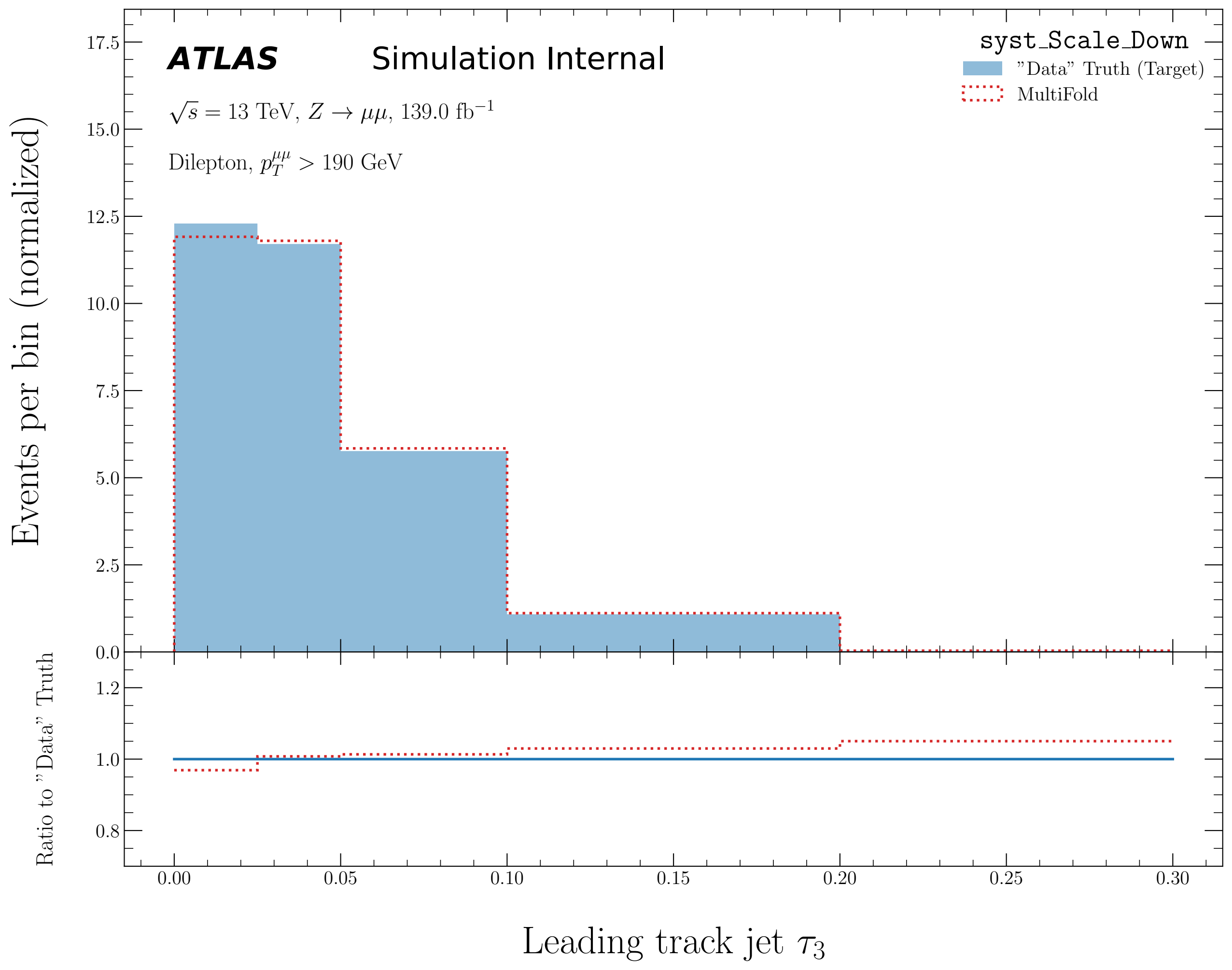


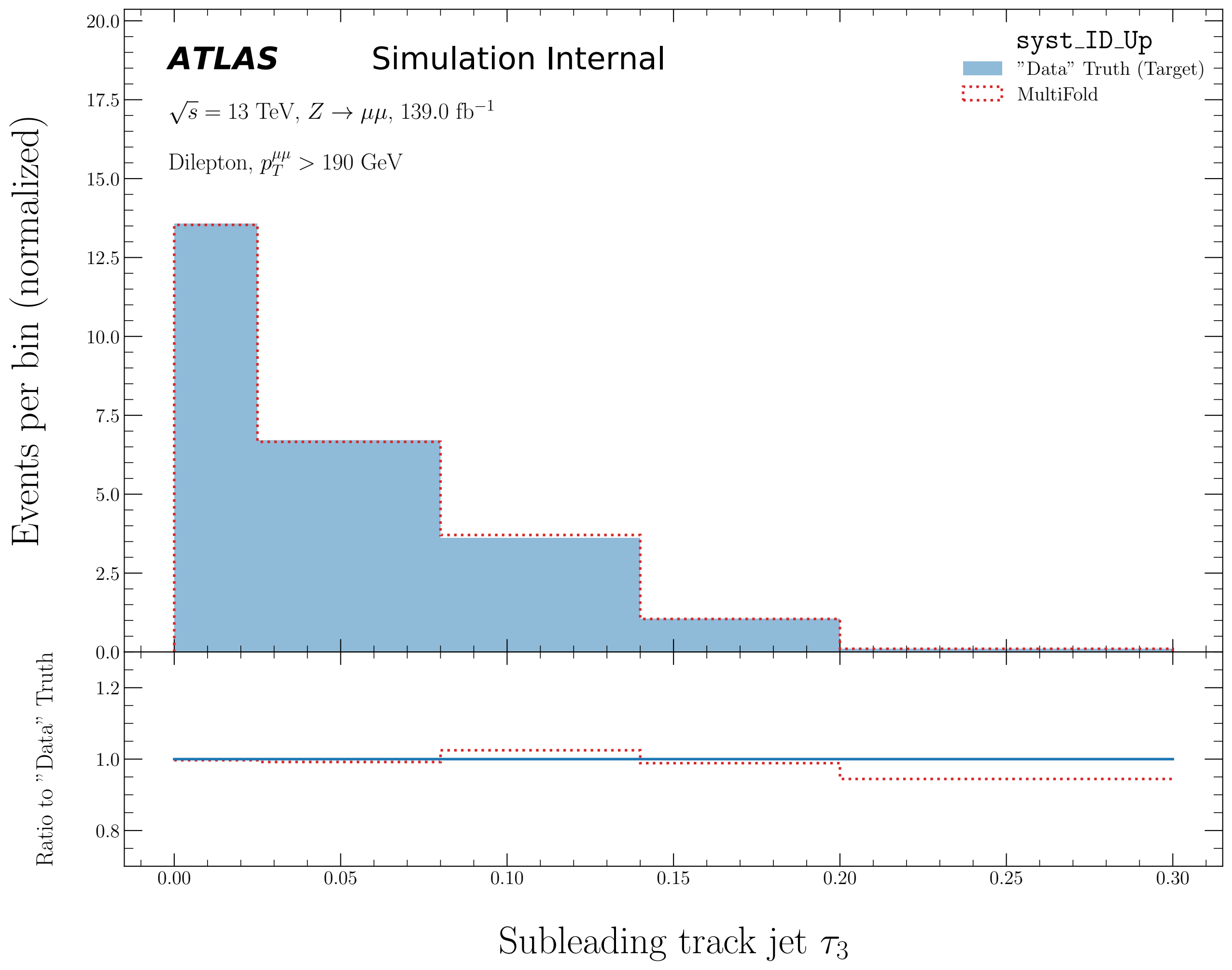


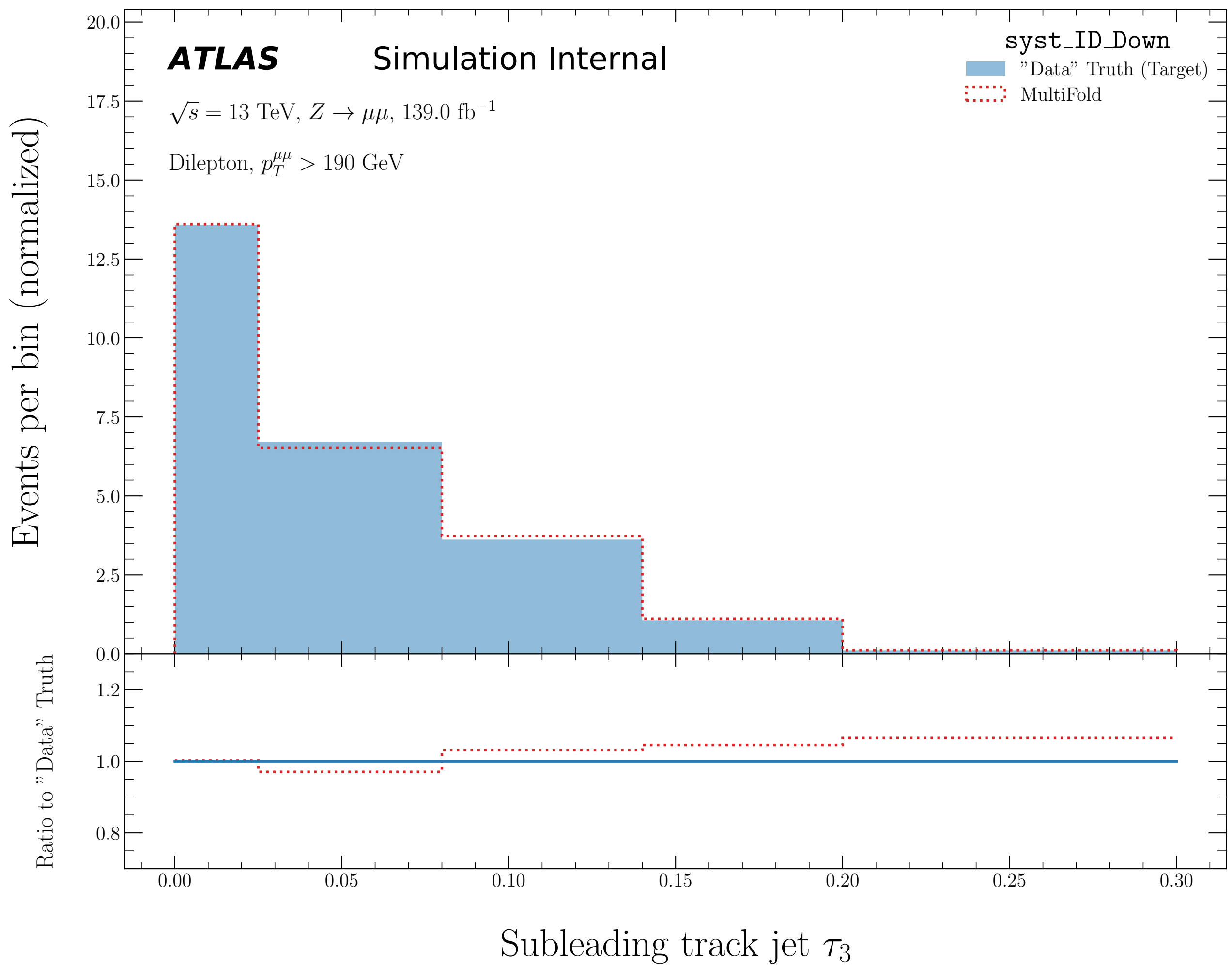


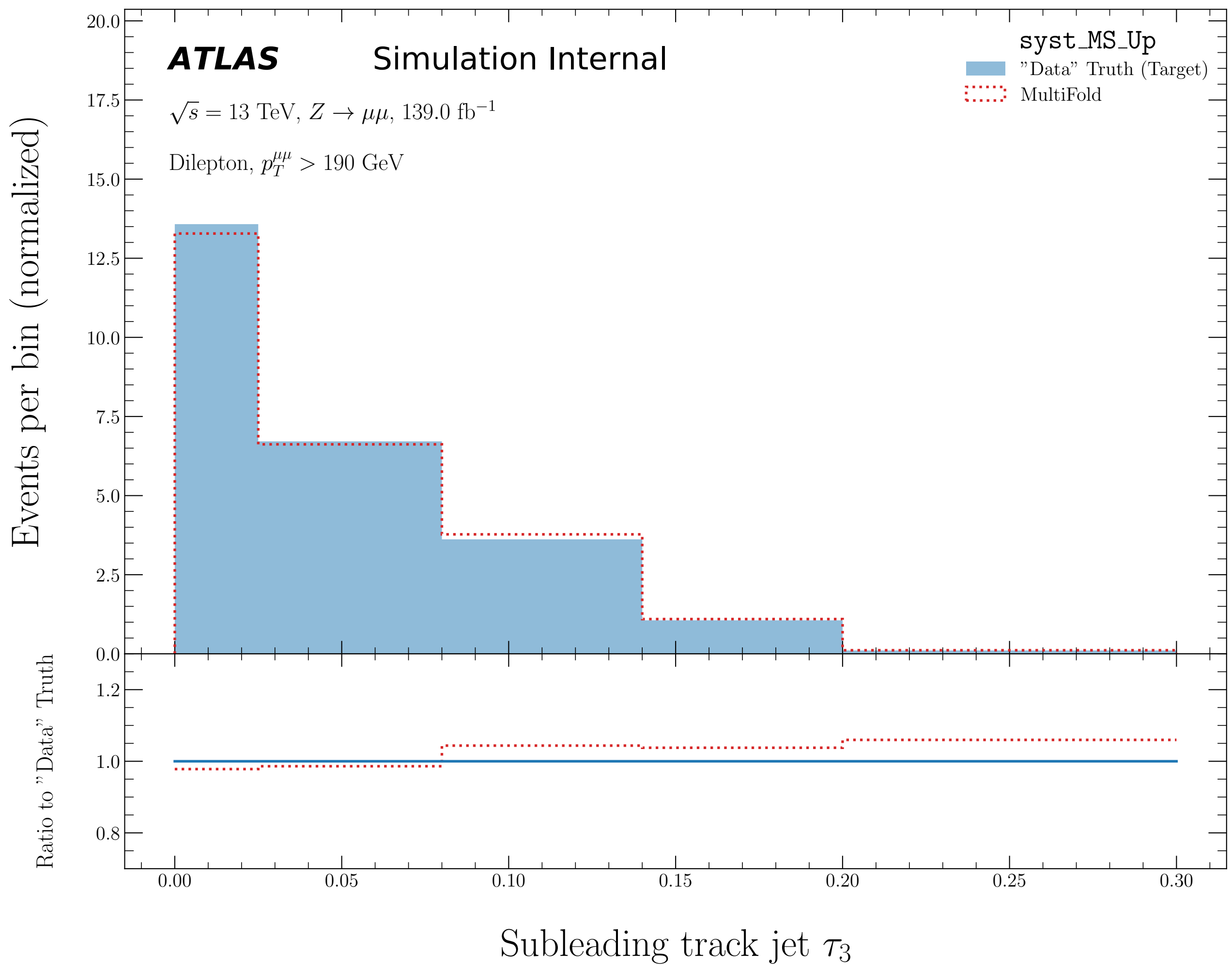


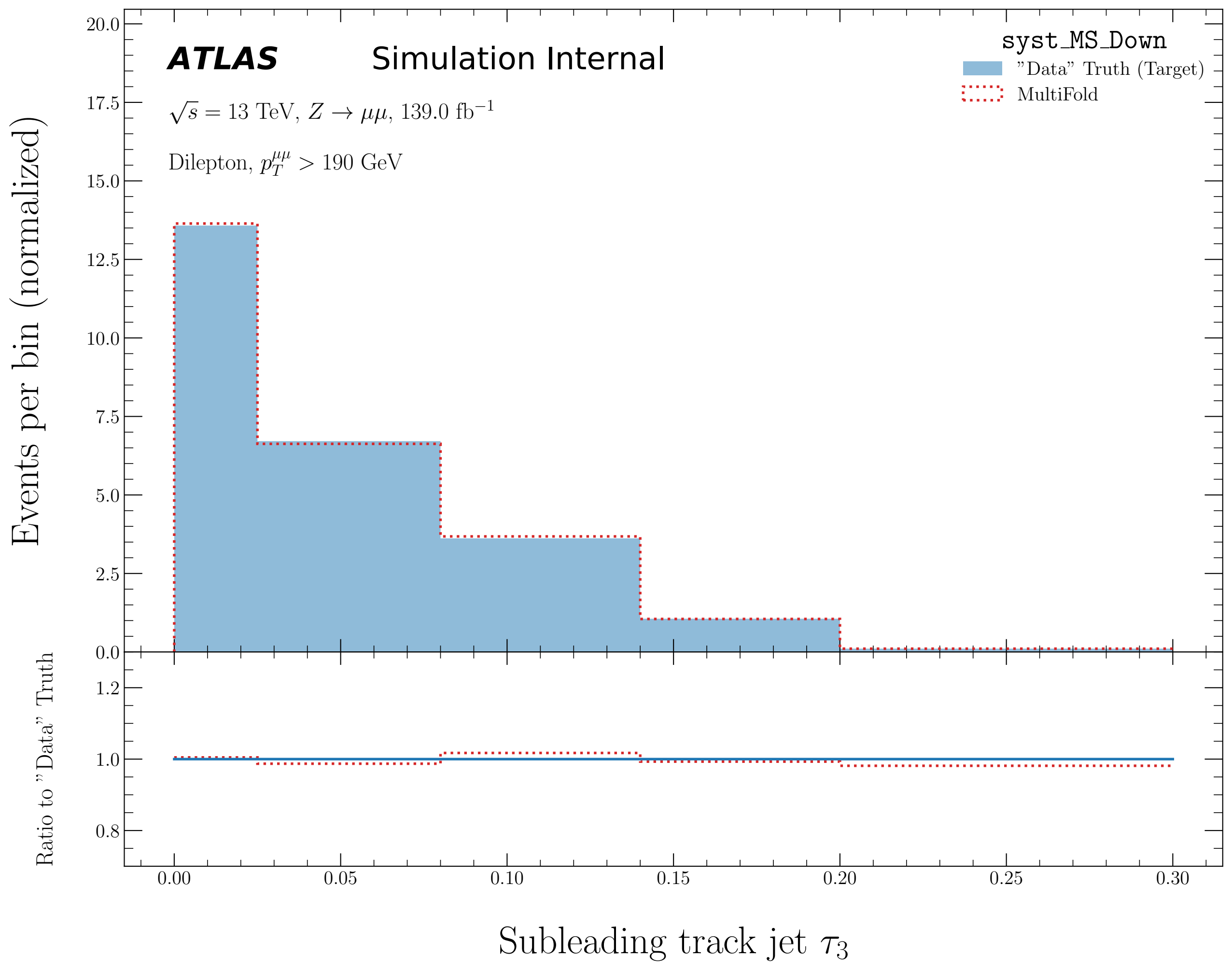


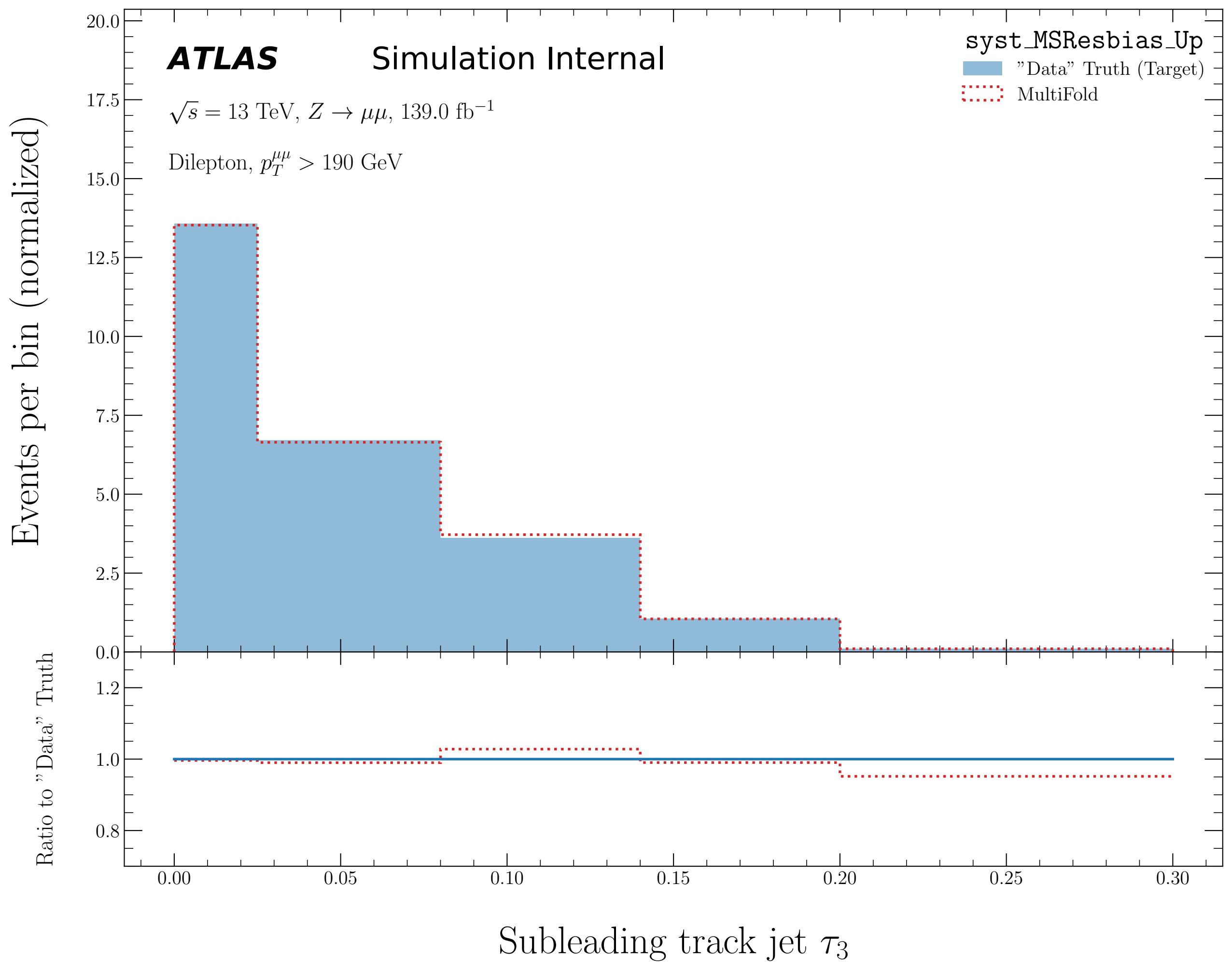


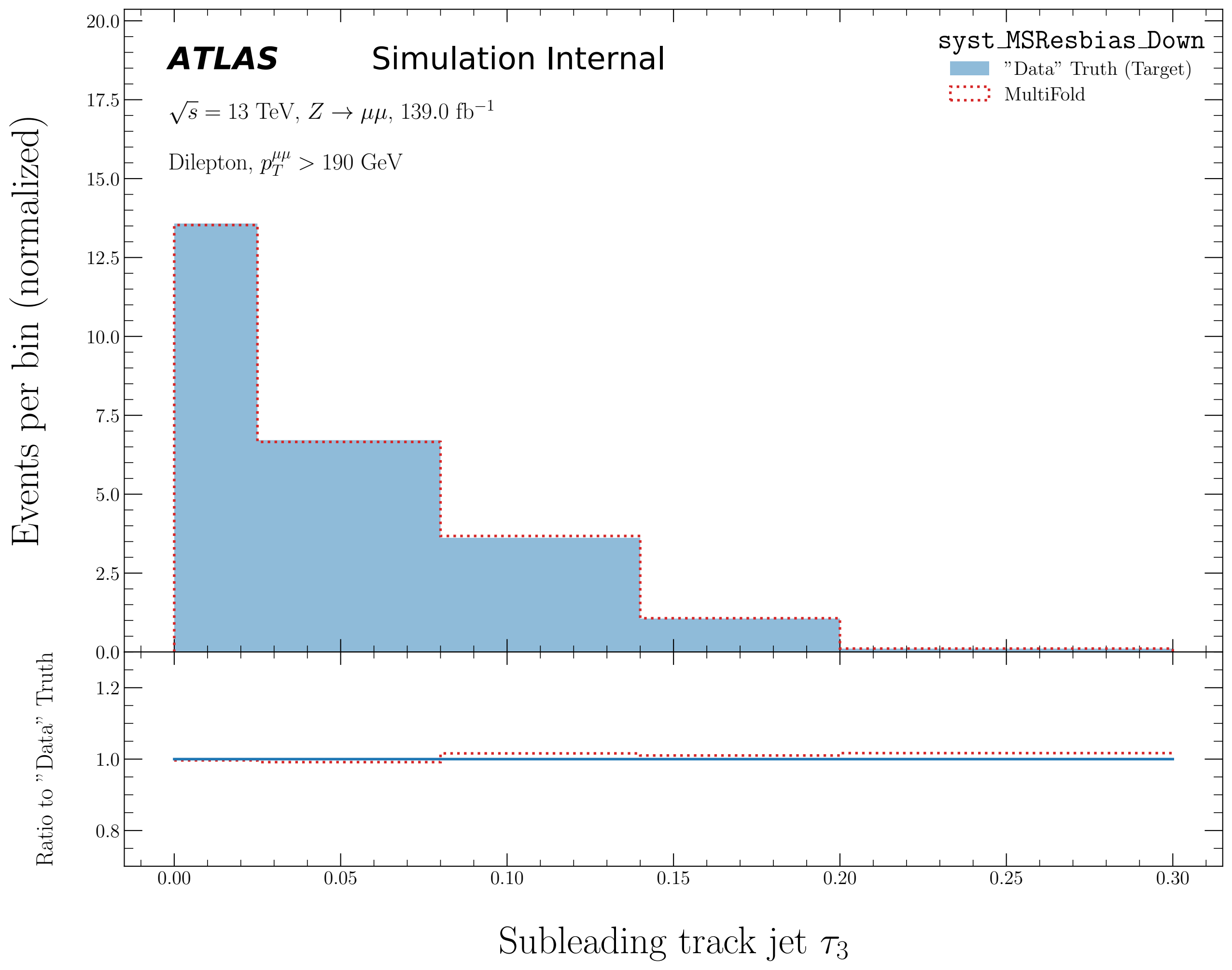


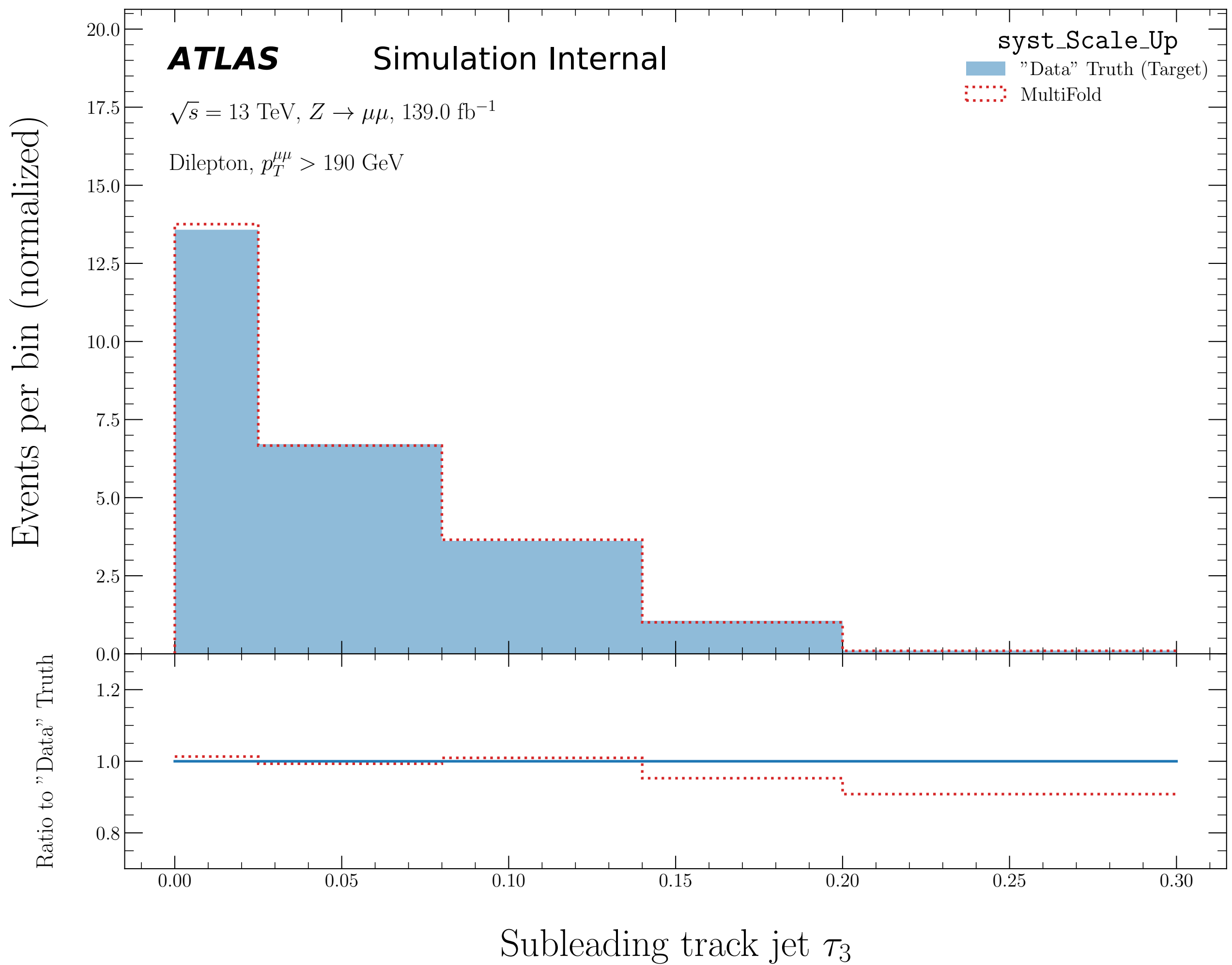


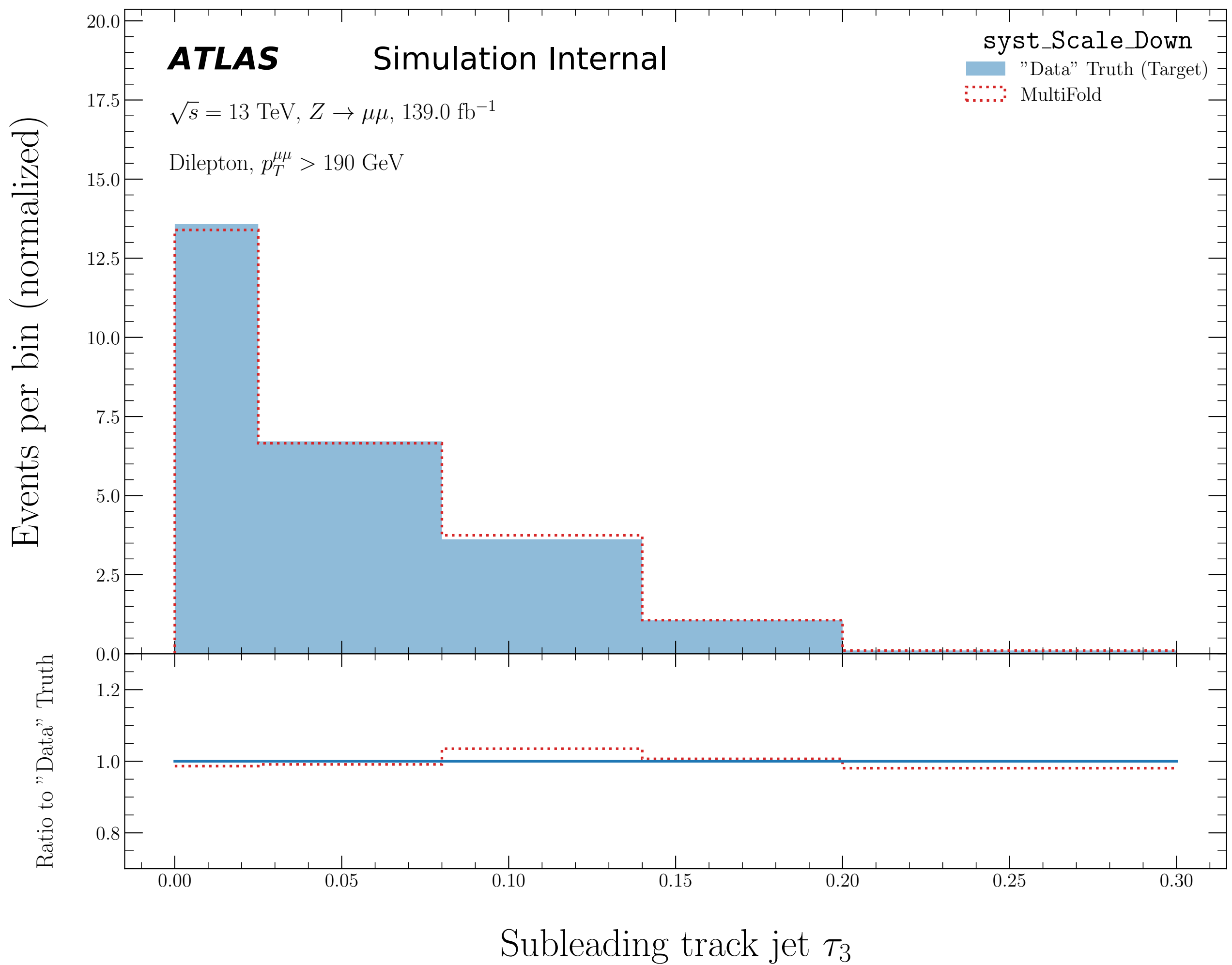


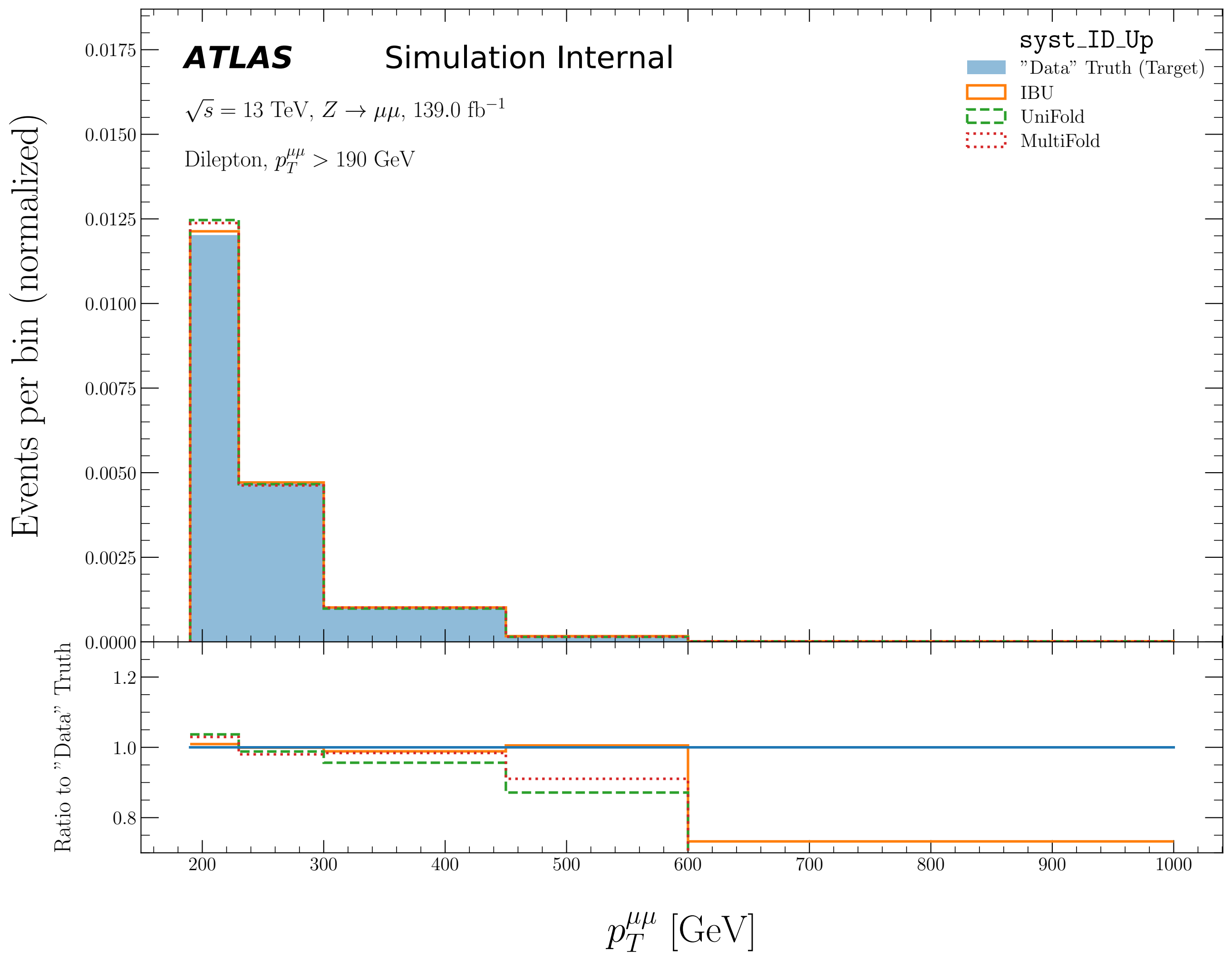


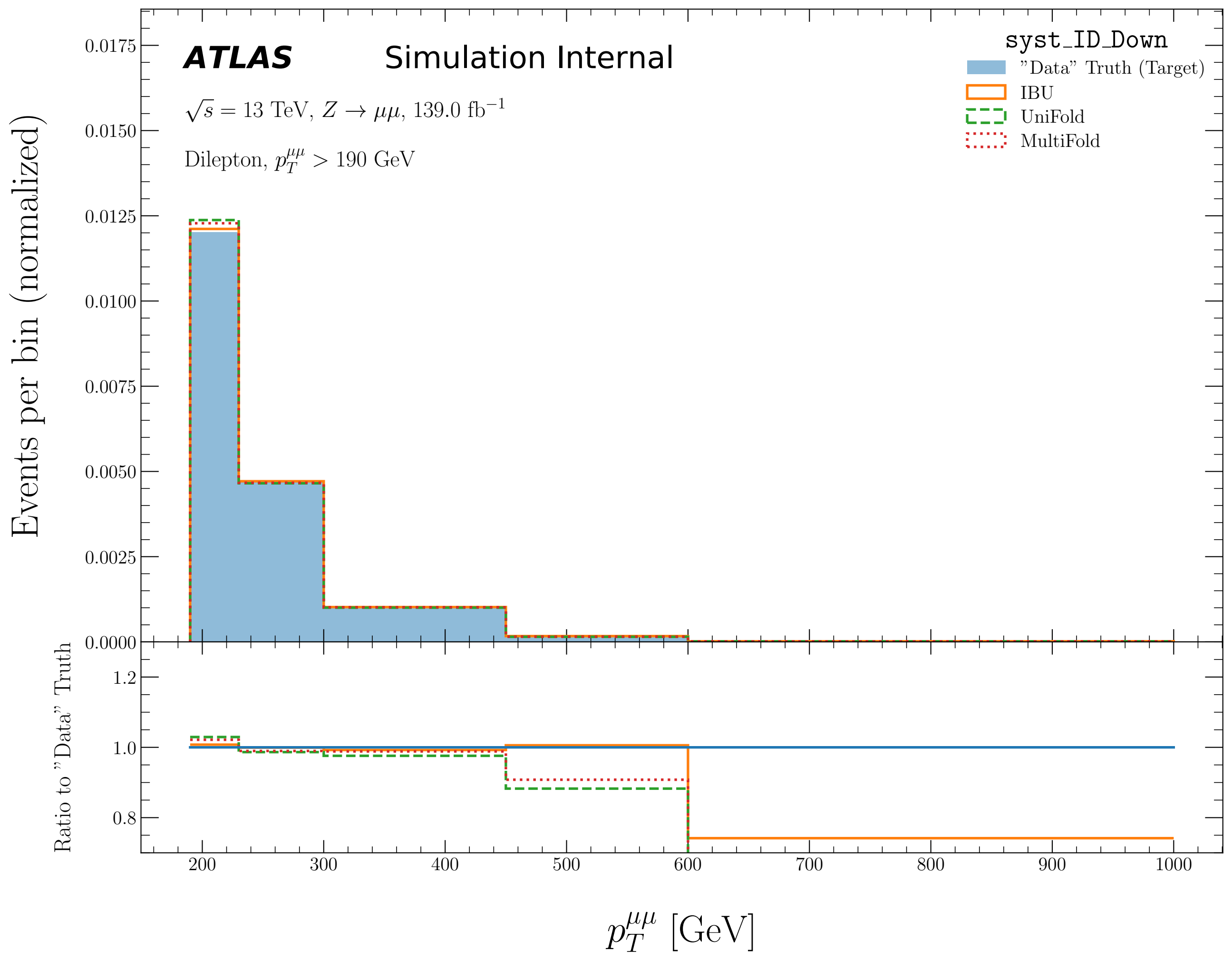


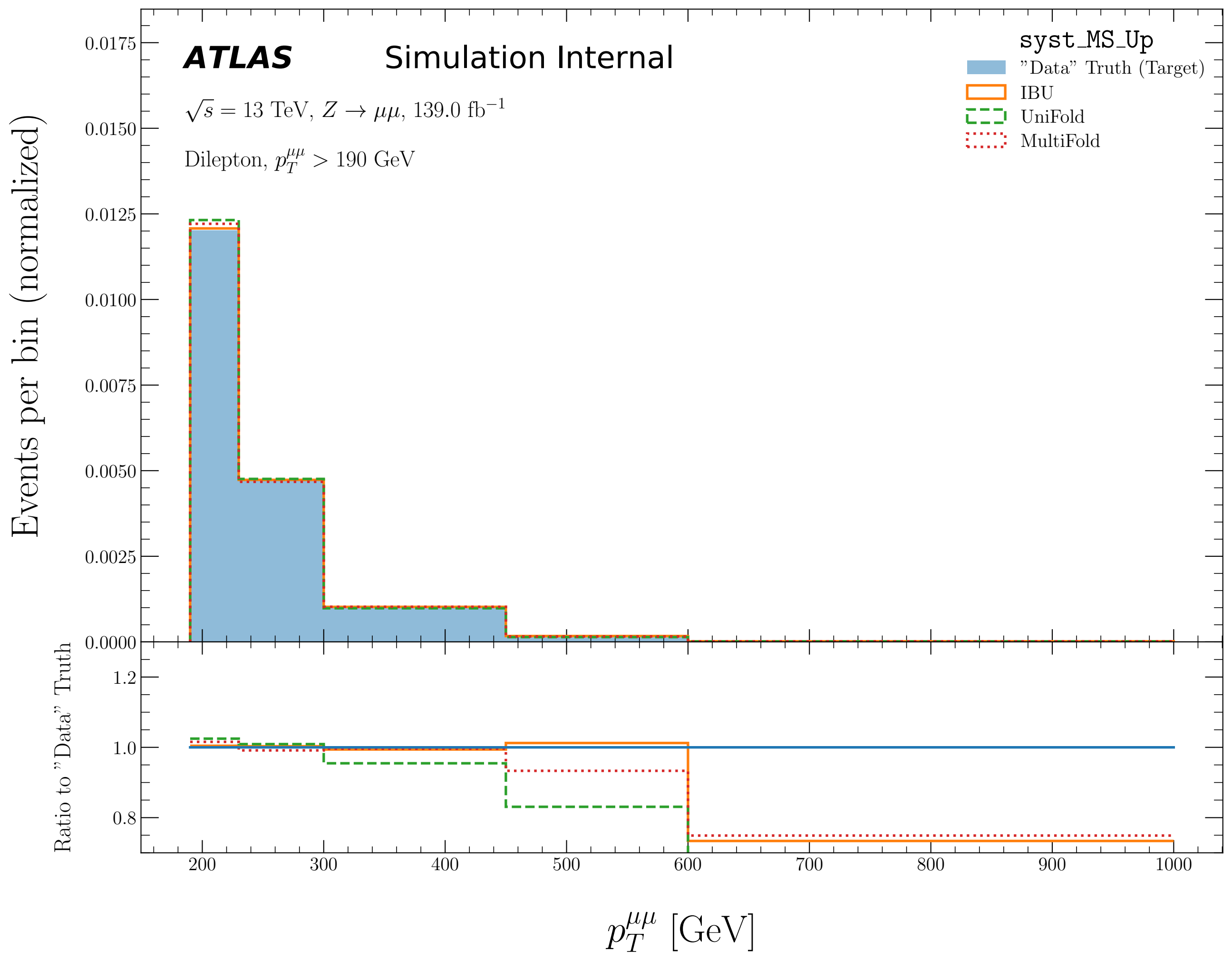


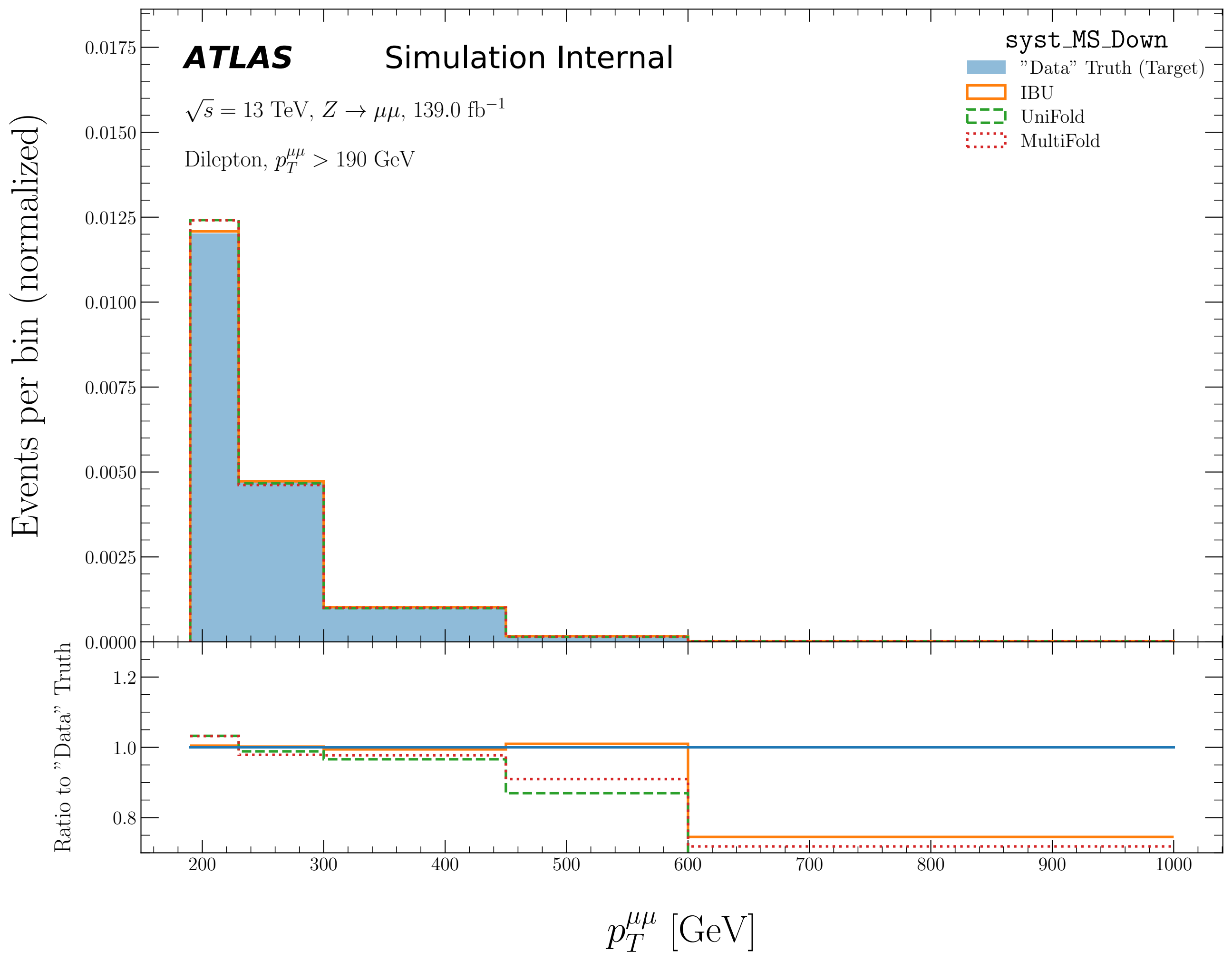


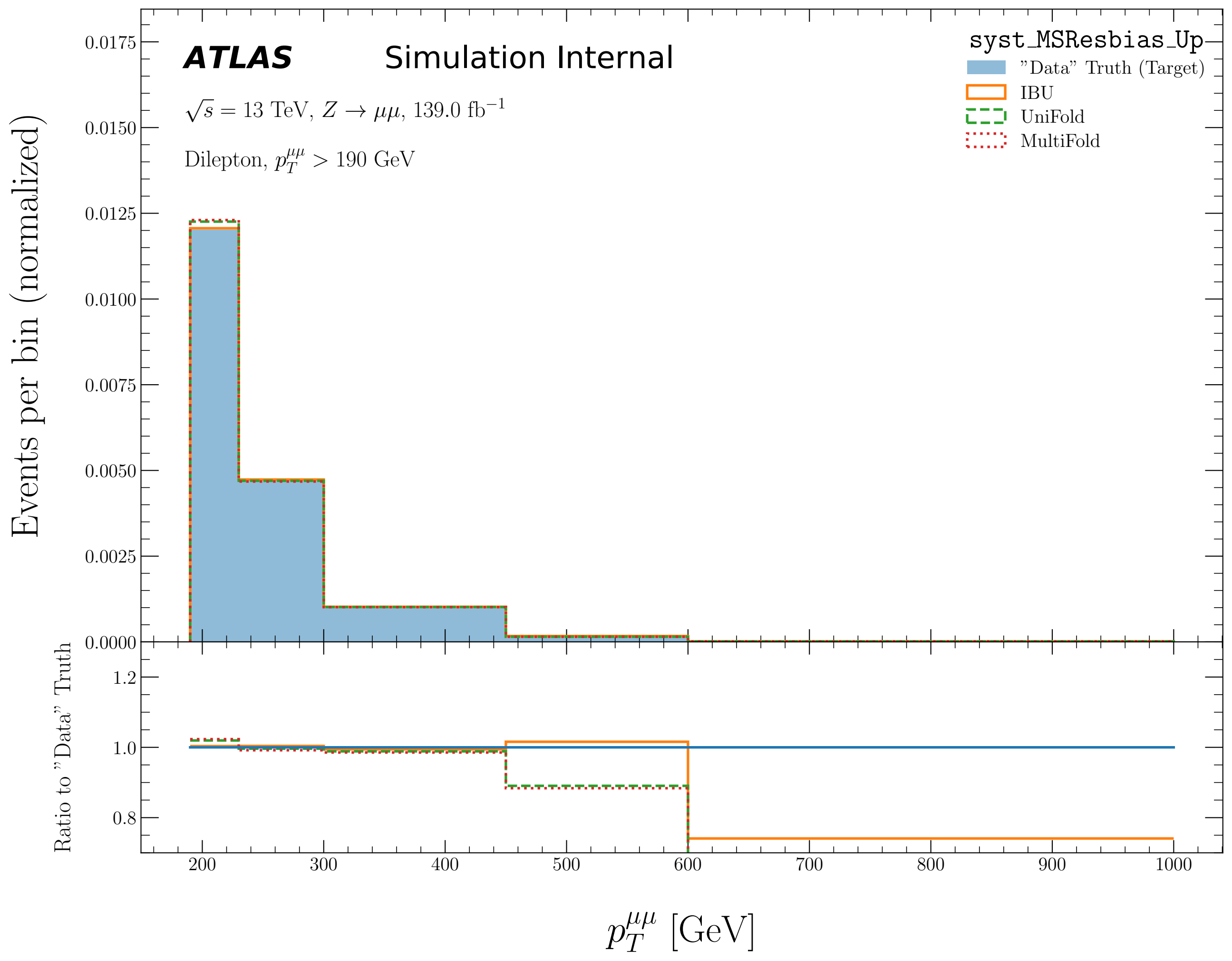


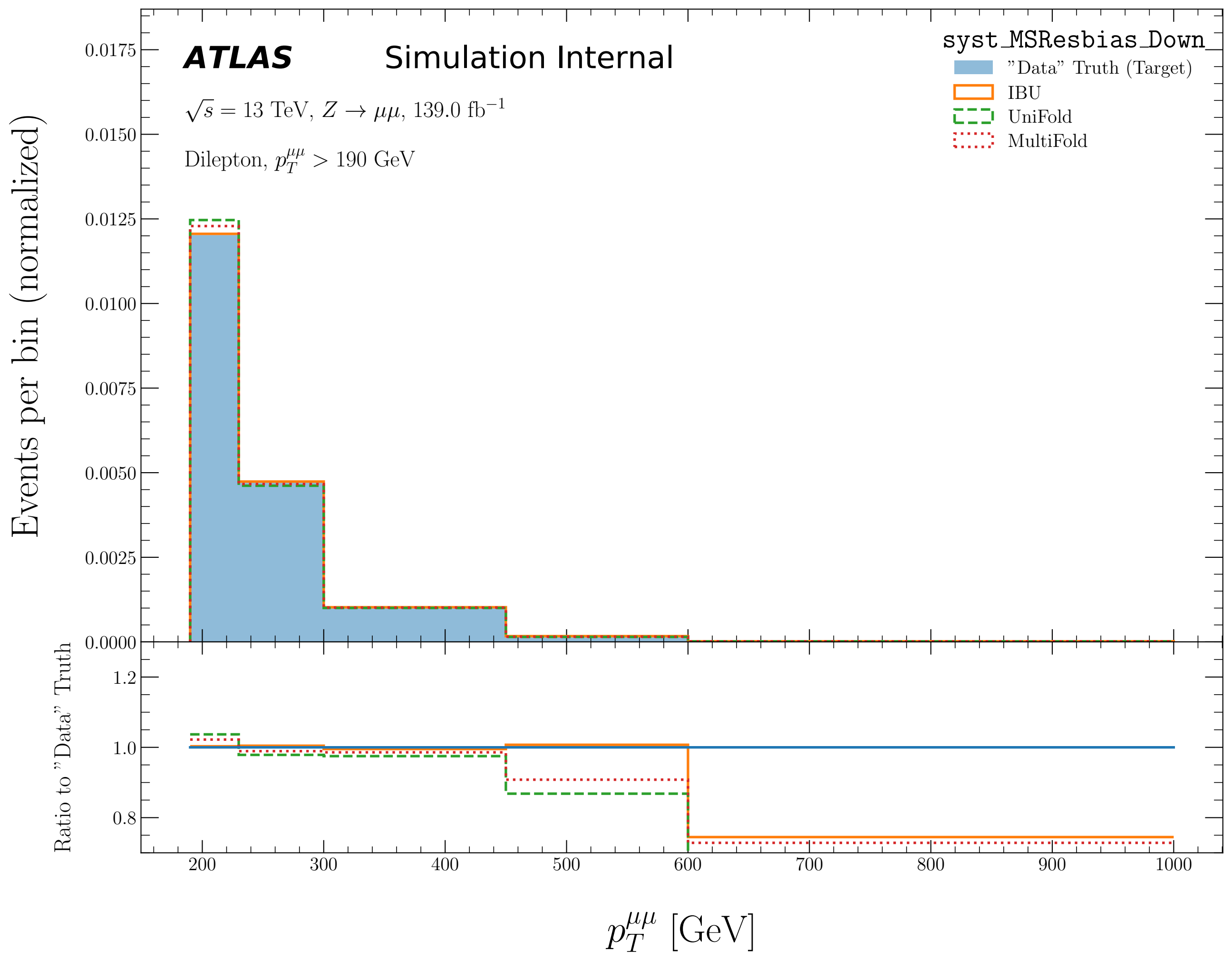


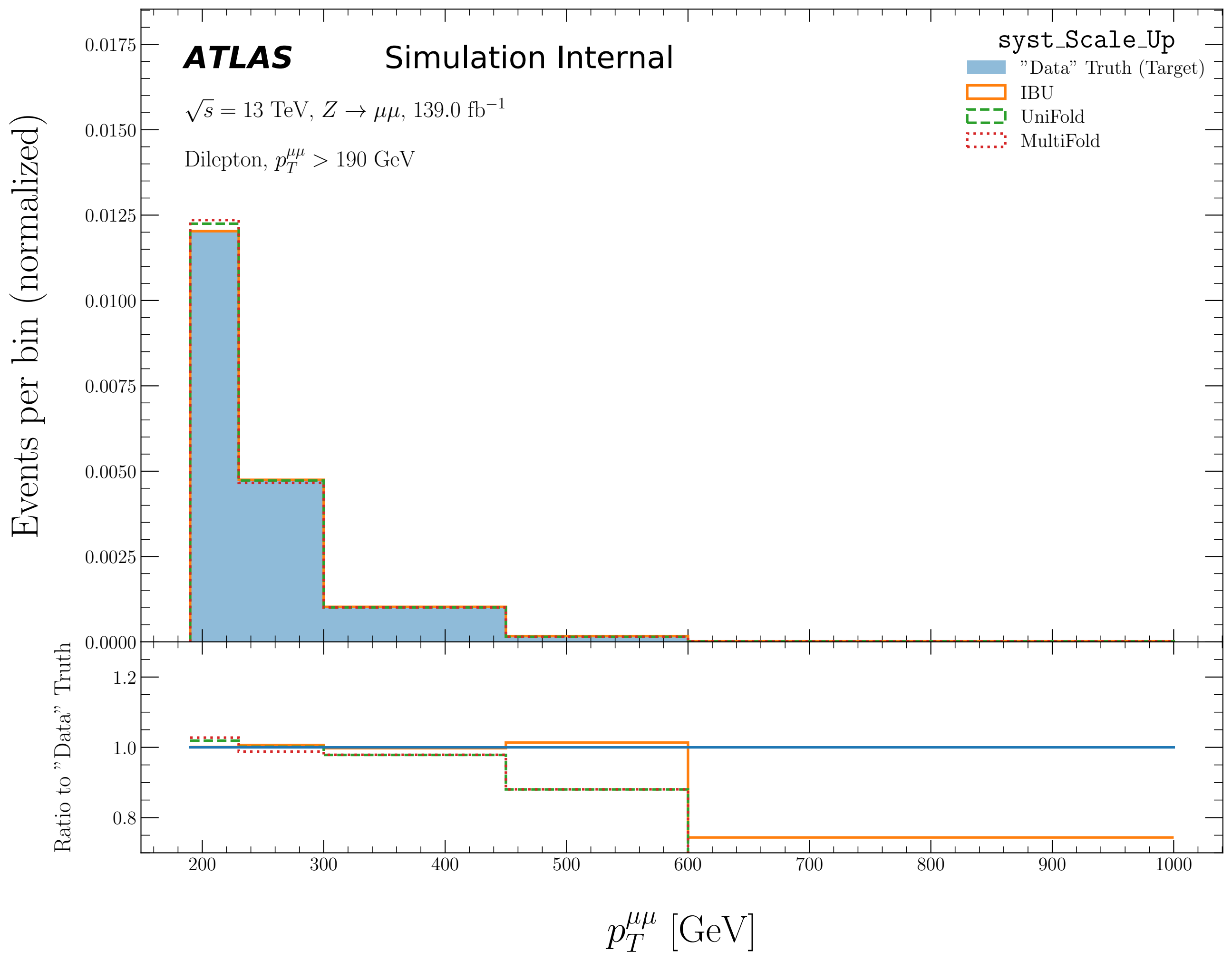


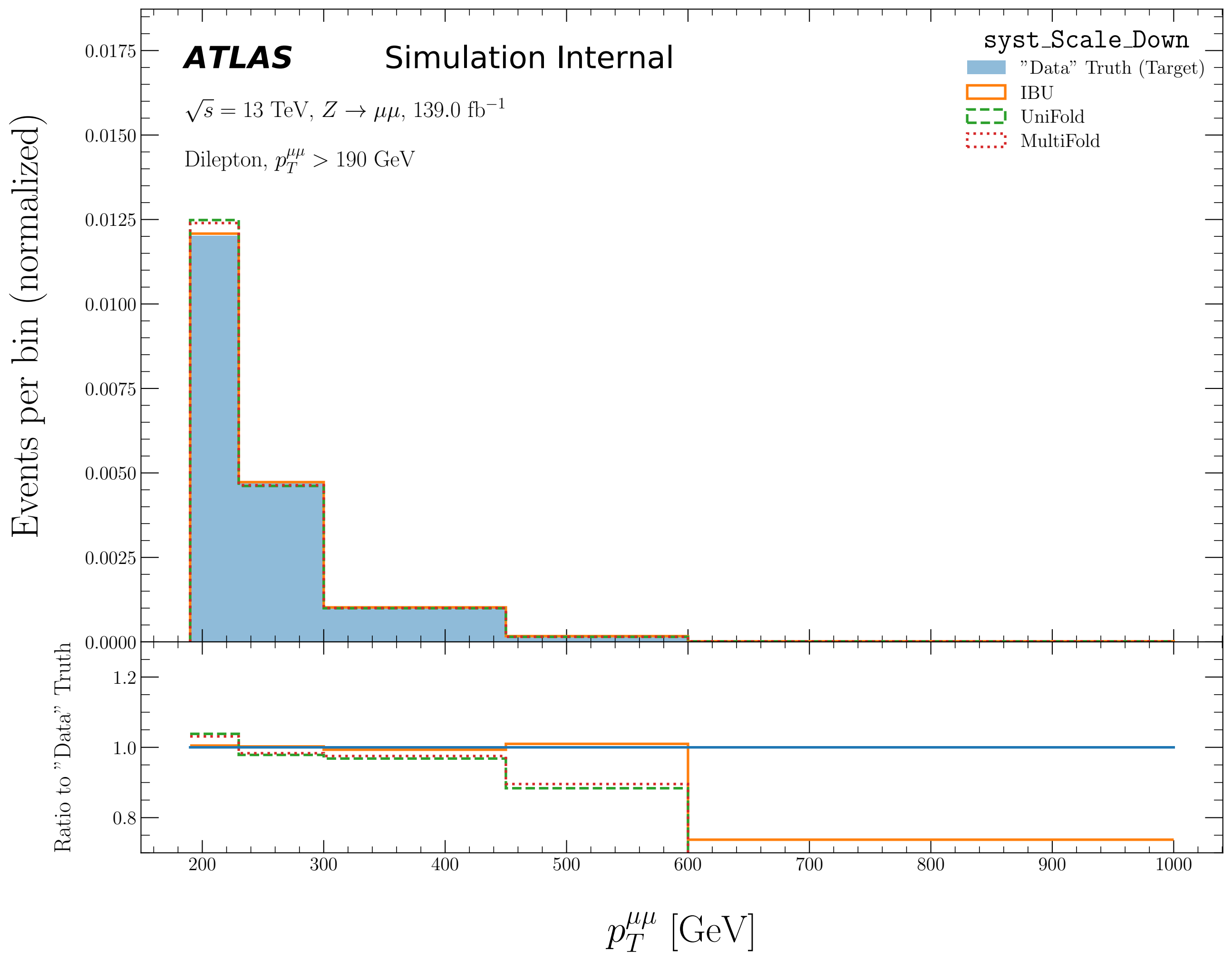


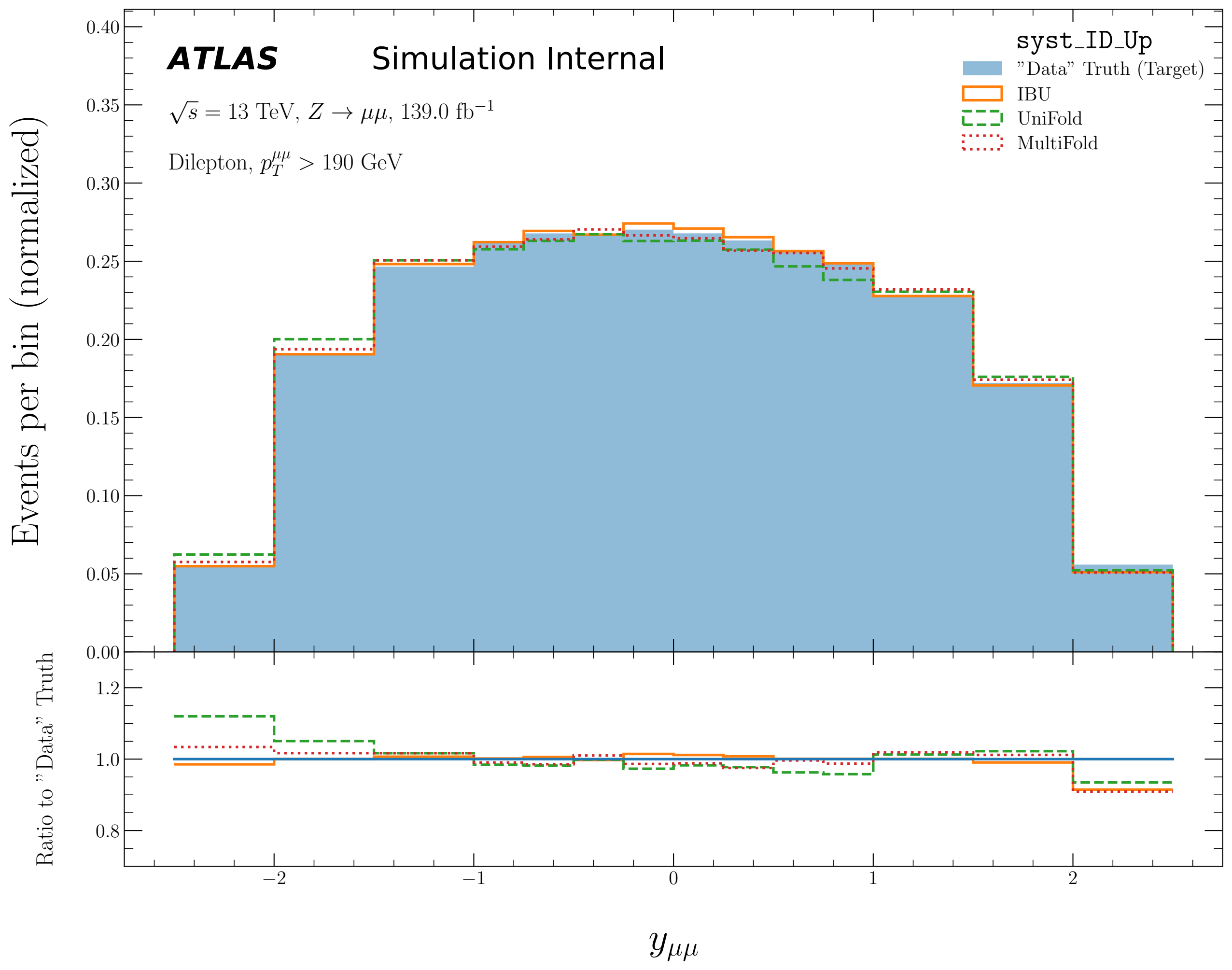


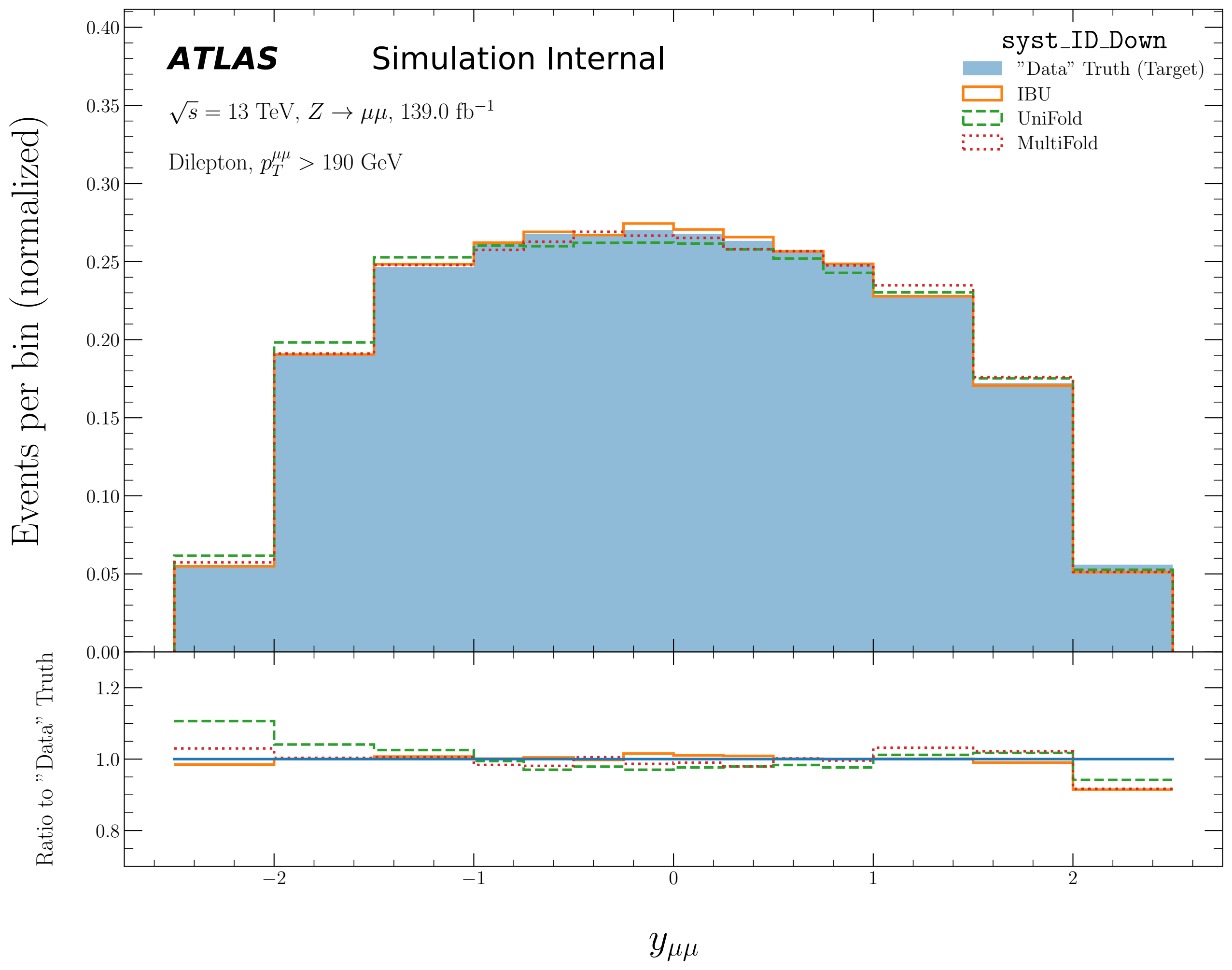












Events per bin (normalized)

ATLAS

Simulation Internal

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

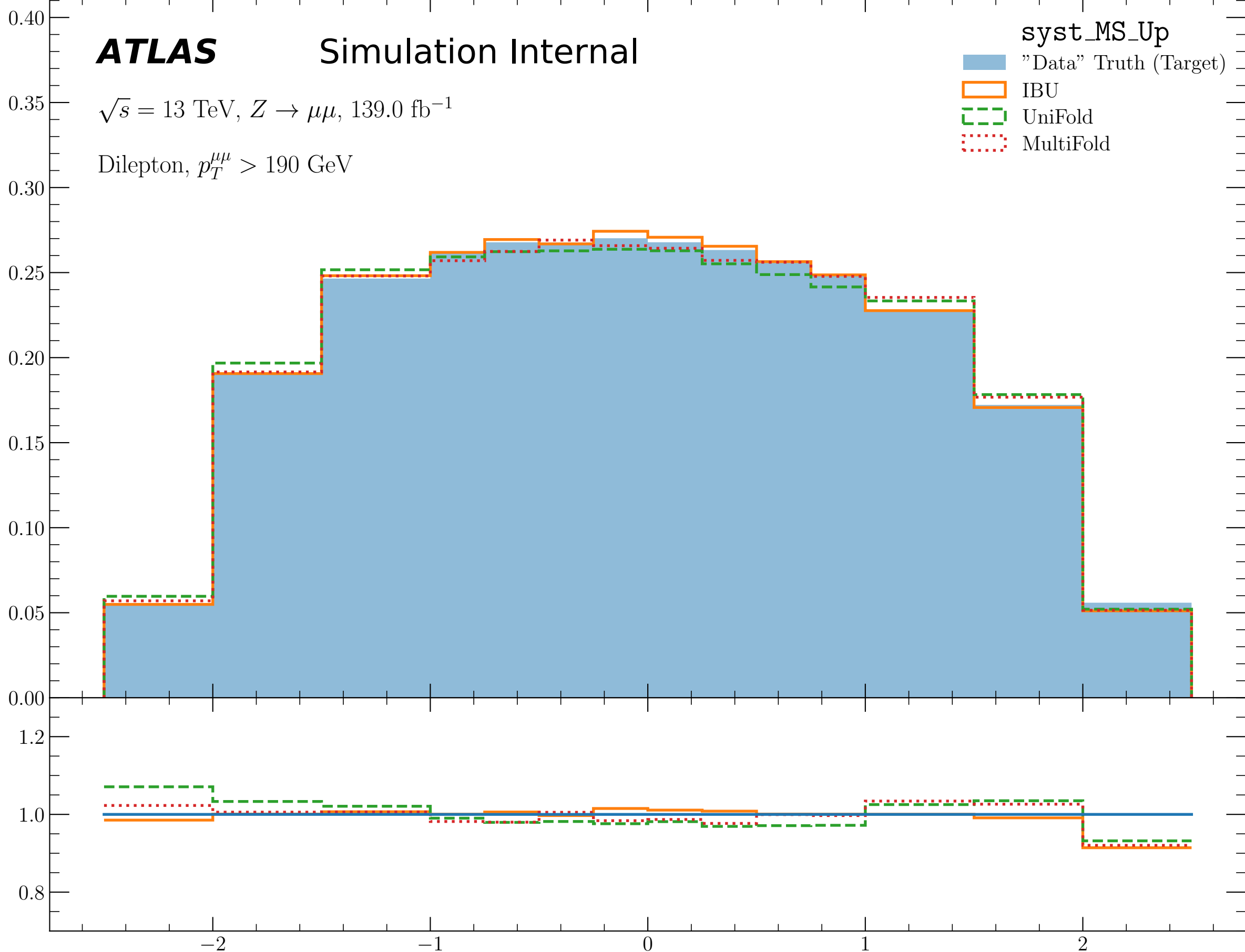
Dilepton, $p_T^{\mu\mu} > 190 \text{ GeV}$

syst_MS_Up

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

Ratio to "Data" Truth

$y_{\mu\mu}$



Events per bin (normalized)

ATLAS

Simulation Internal

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

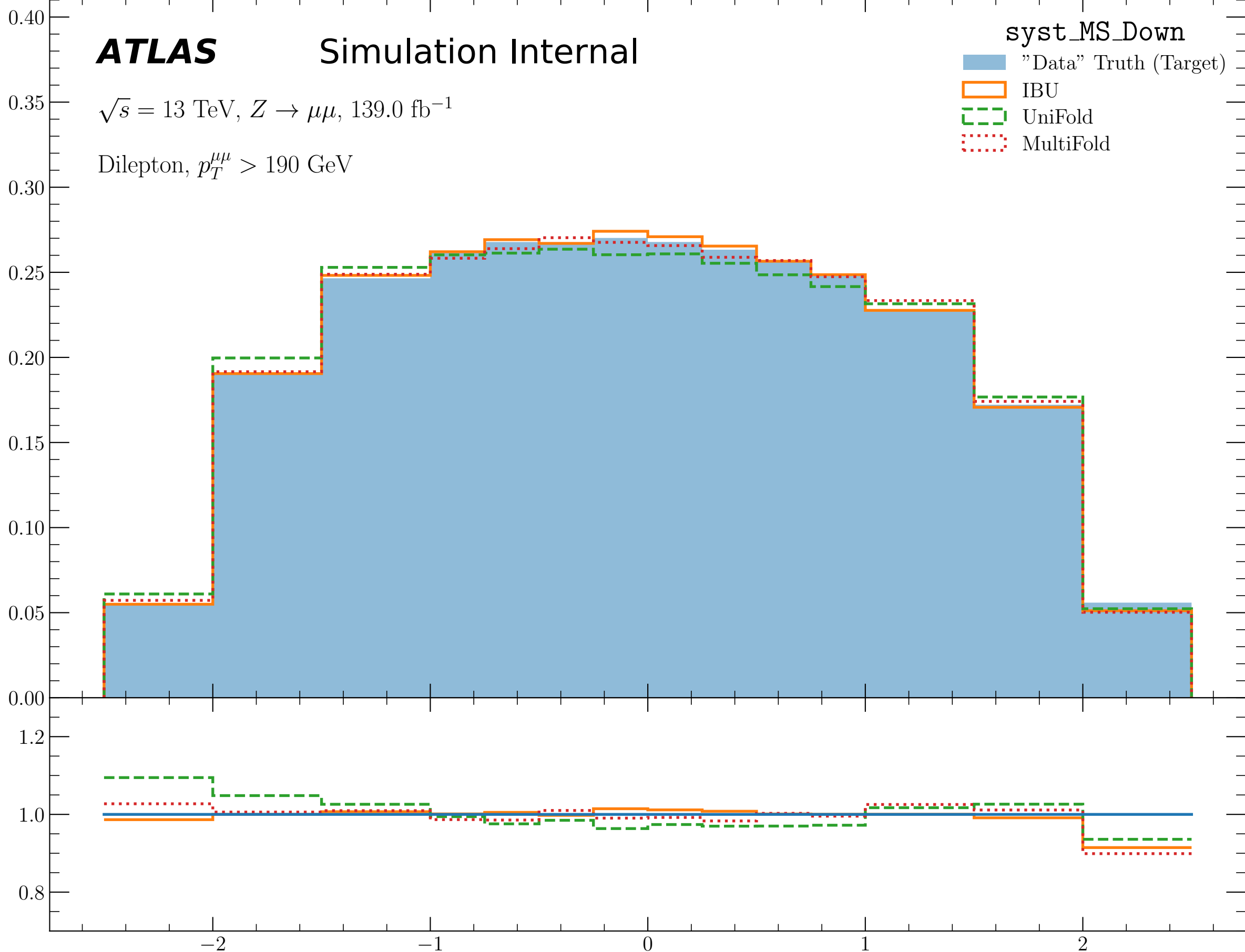
Dilepton, $p_T^{\mu\mu} > 190 \text{ GeV}$

syst_MS_Down

- "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)

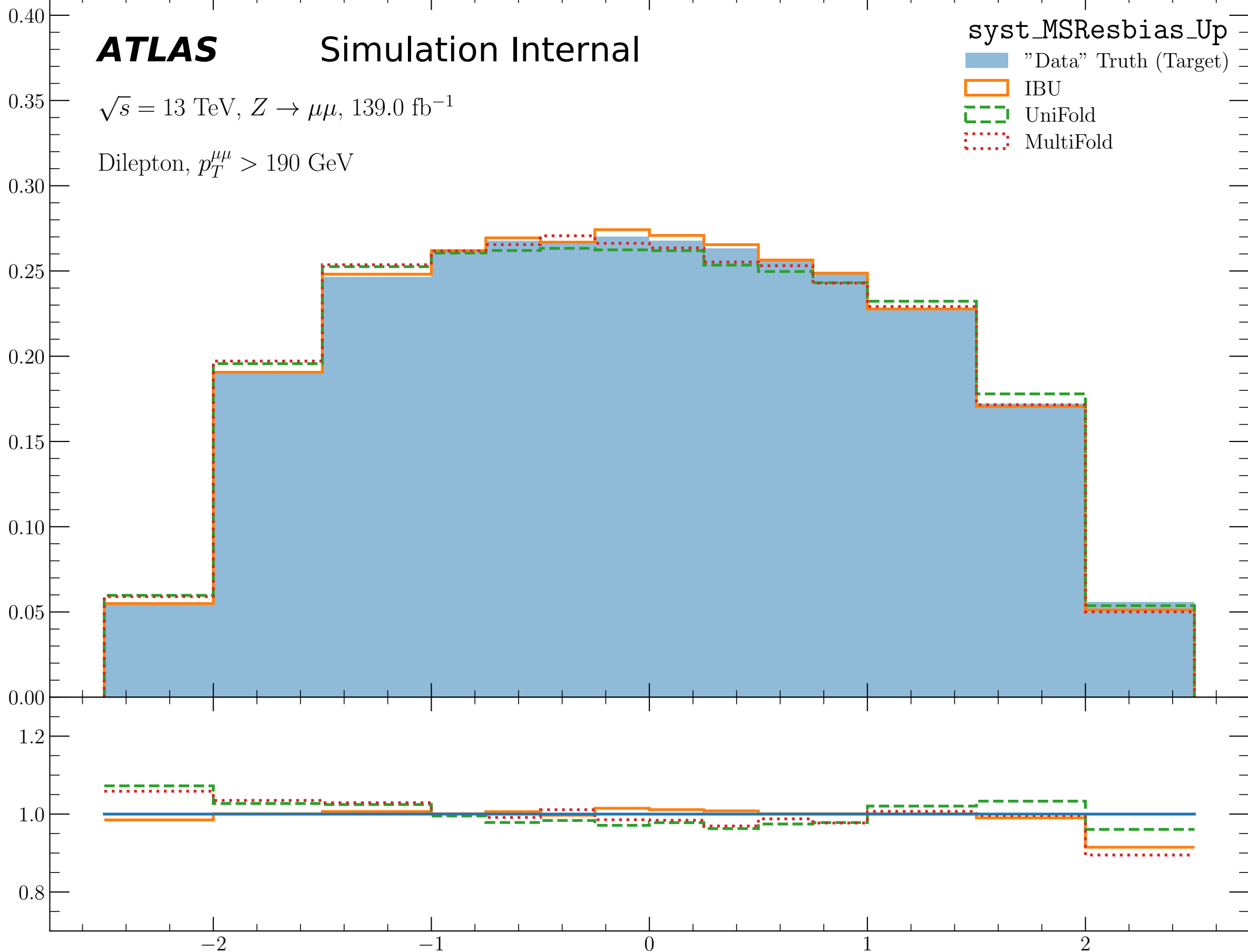
IBU

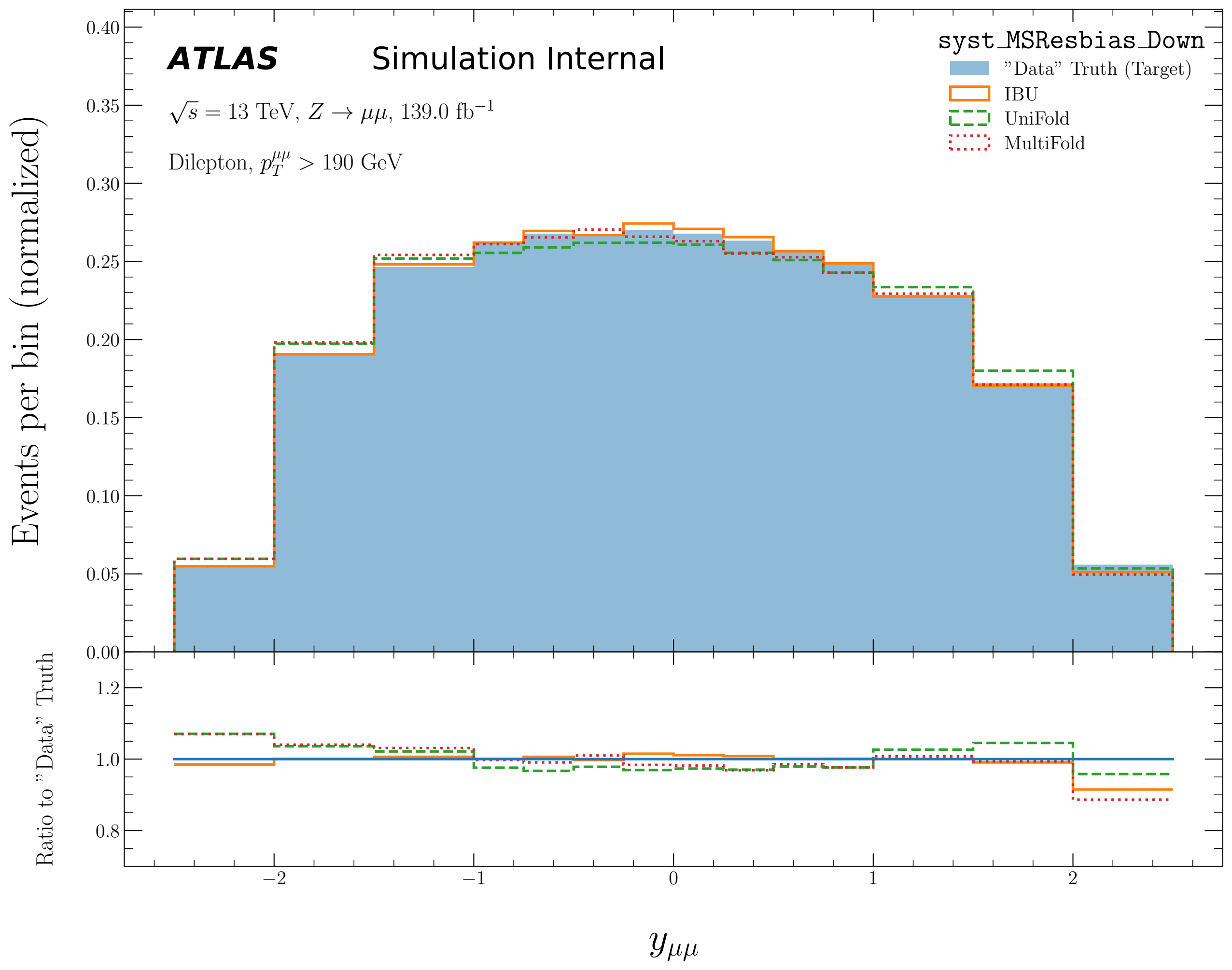
UniFold

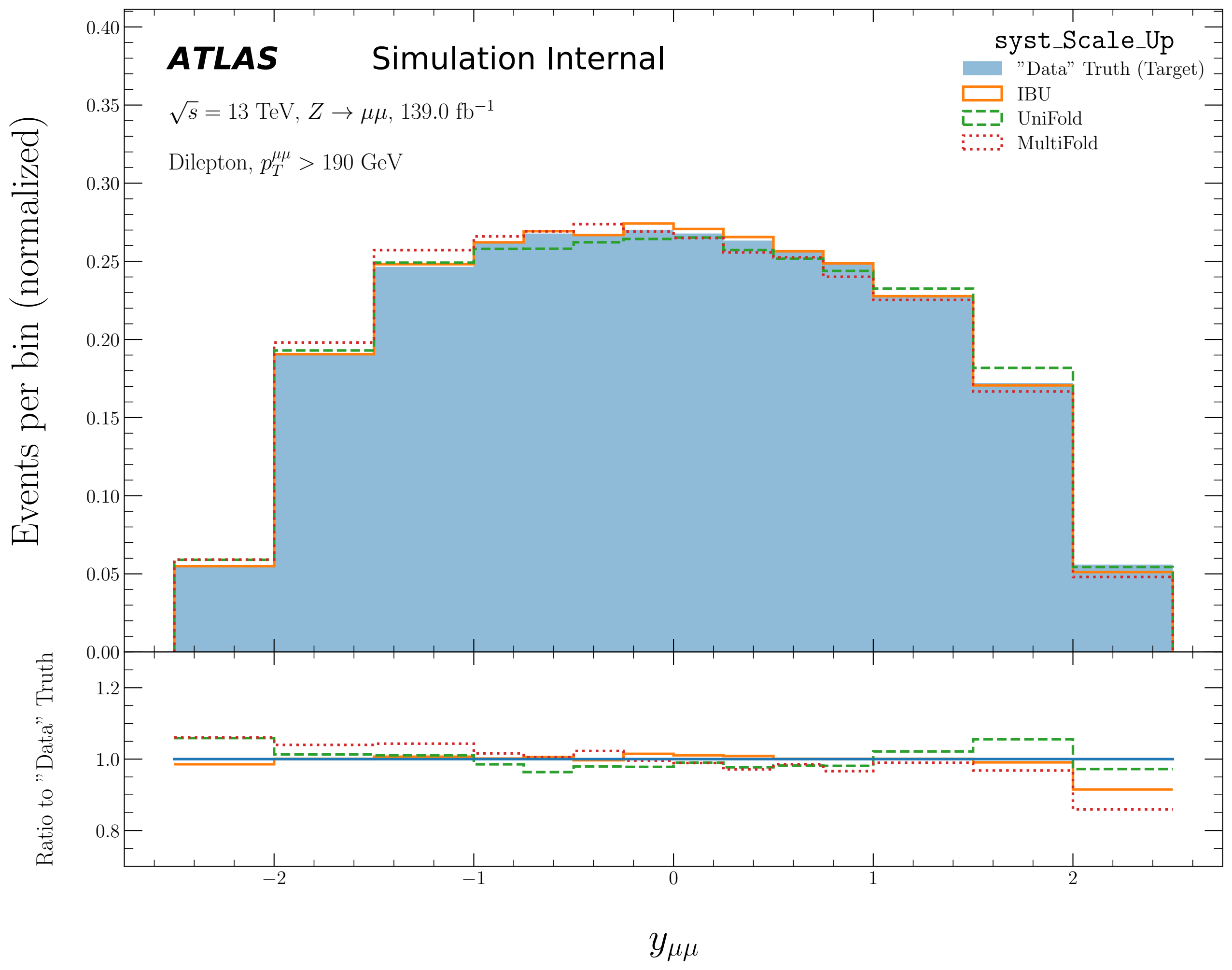
MultiFold

Ratio to "Data" Truth

$y_{\mu\mu}$







Events per bin (normalized)

ATLAS

Simulation Internal

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

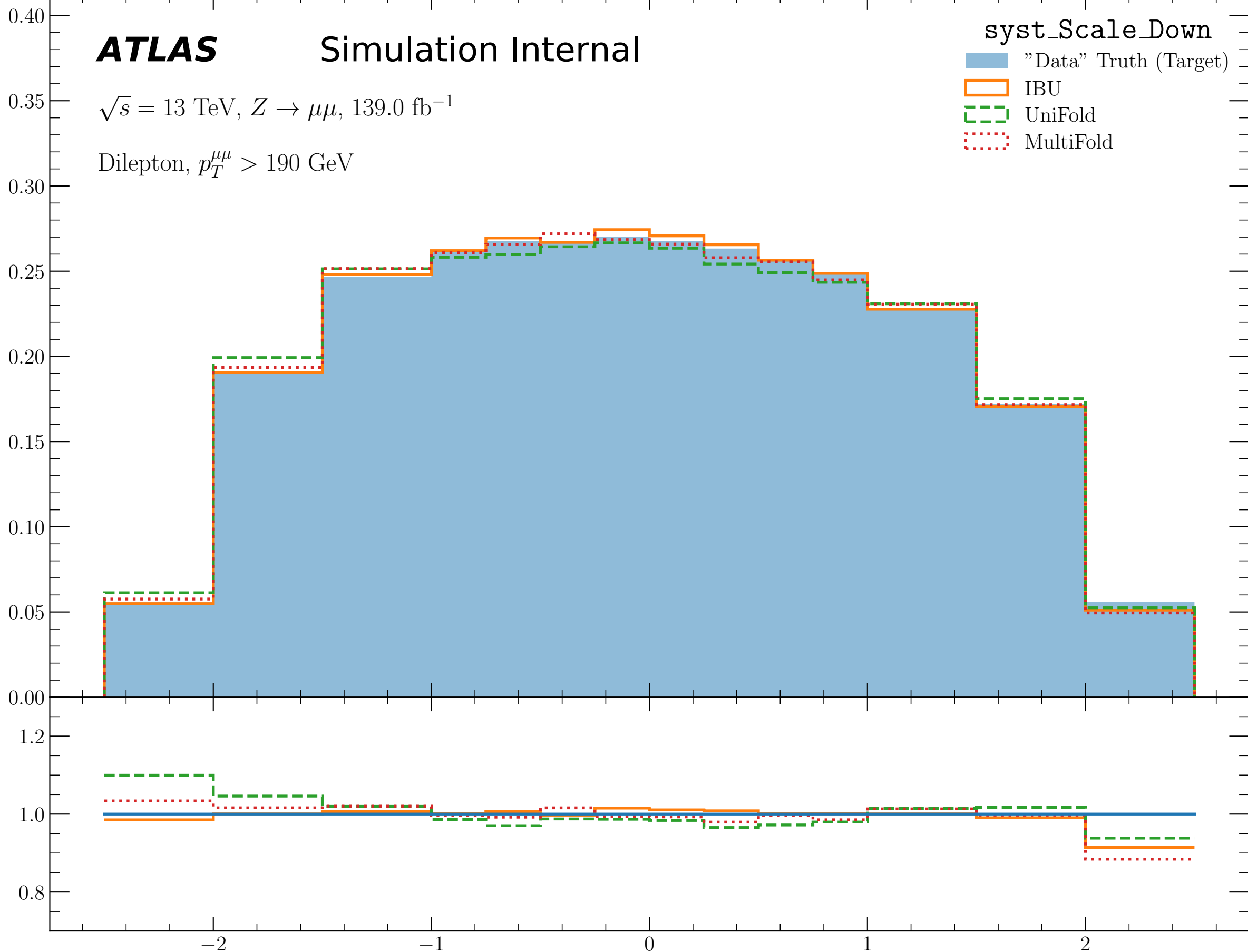
Dilepton, $p_T^{\mu\mu} > 190 \text{ GeV}$

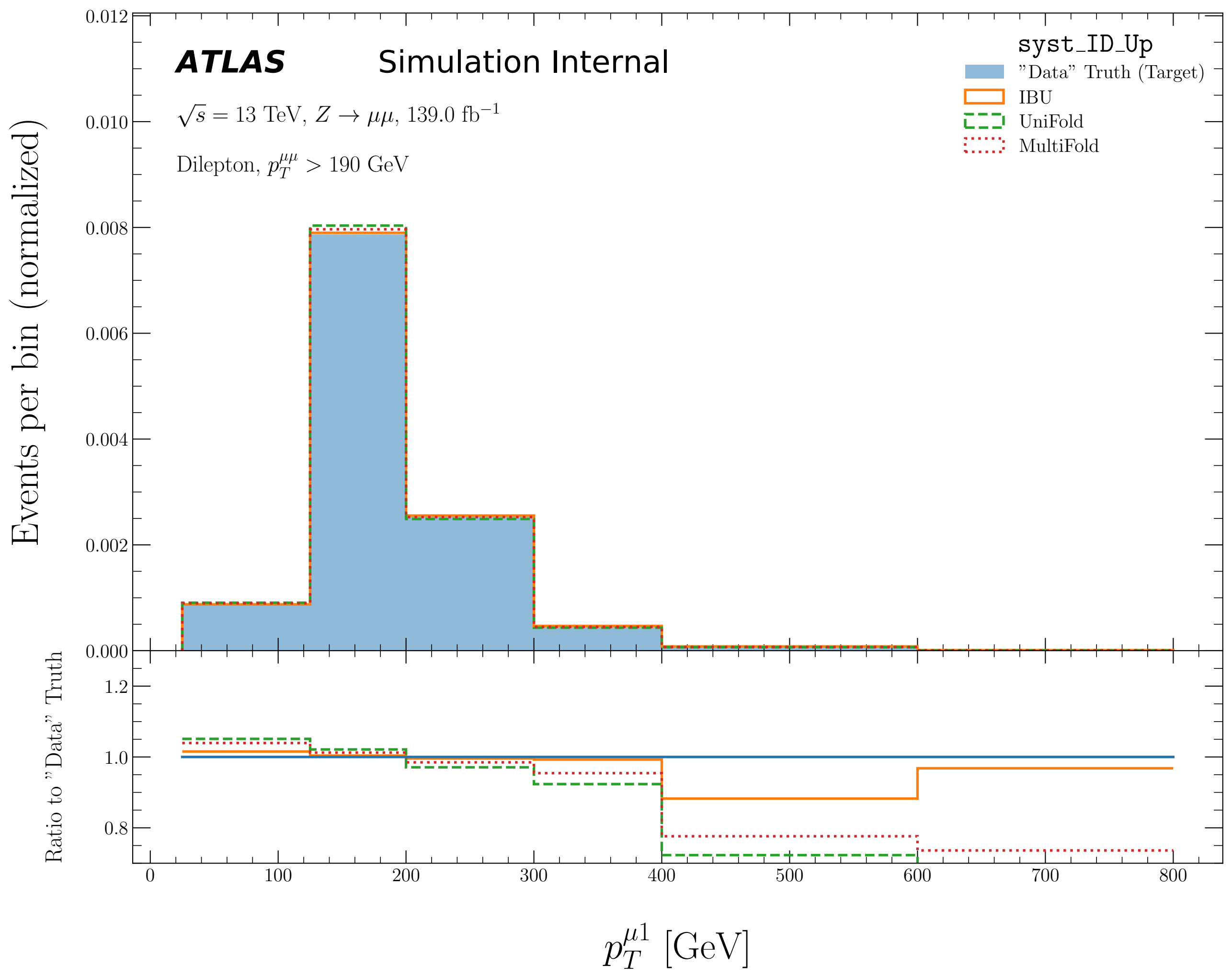
syst_Scale_Down

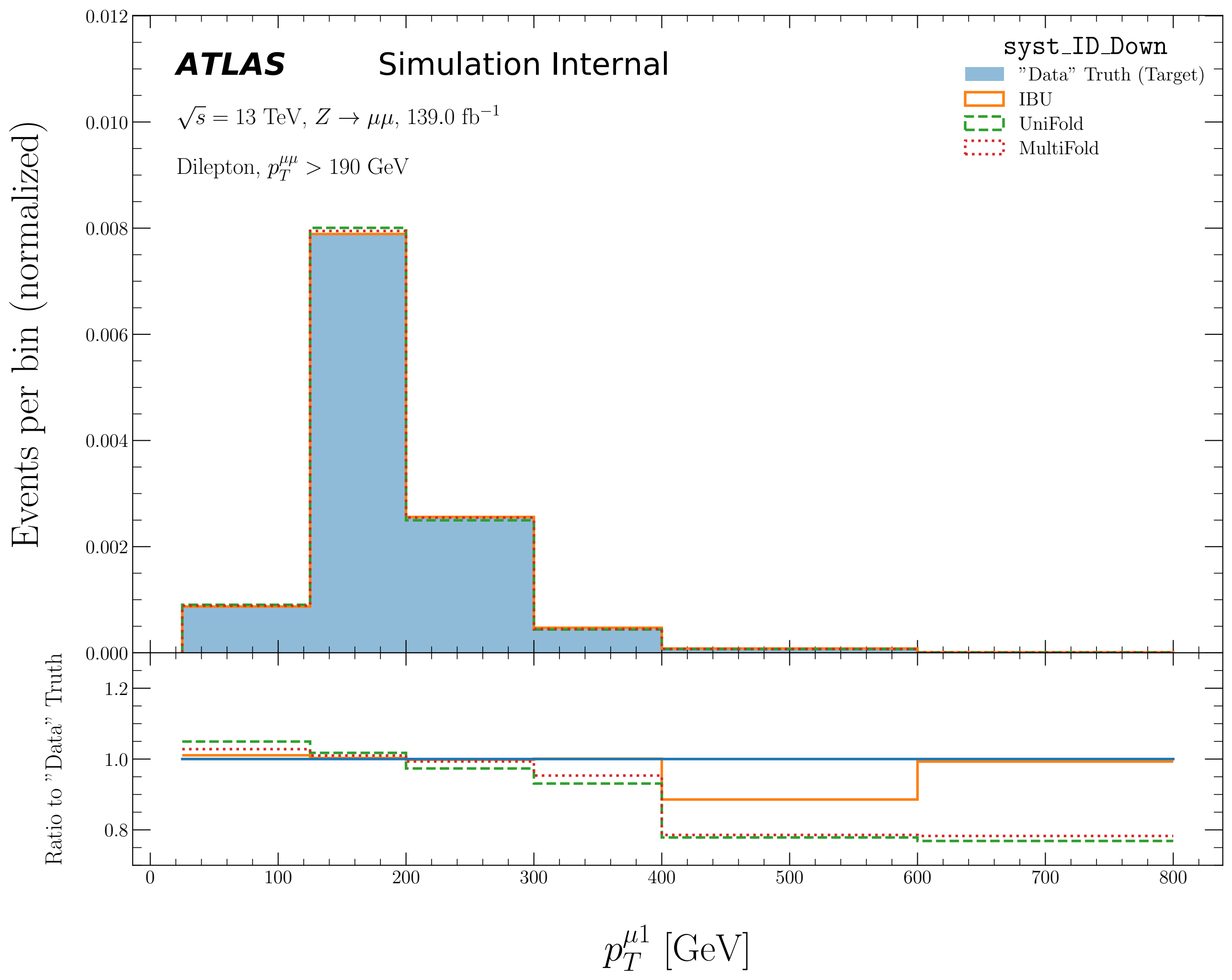
- "Data" Truth (Target)
- IBU
- UniFold
- MultiFold

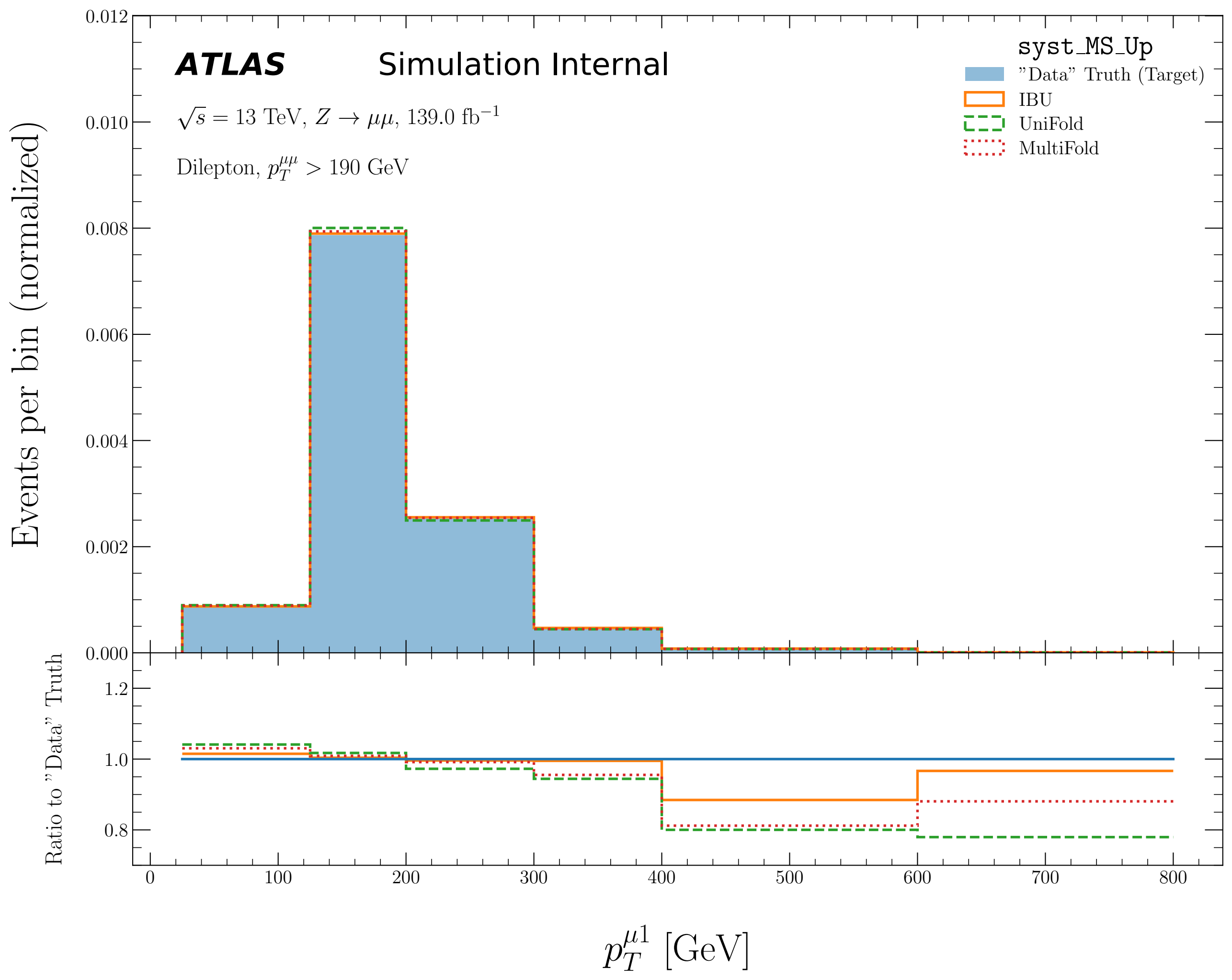
Ratio to "Data" Truth

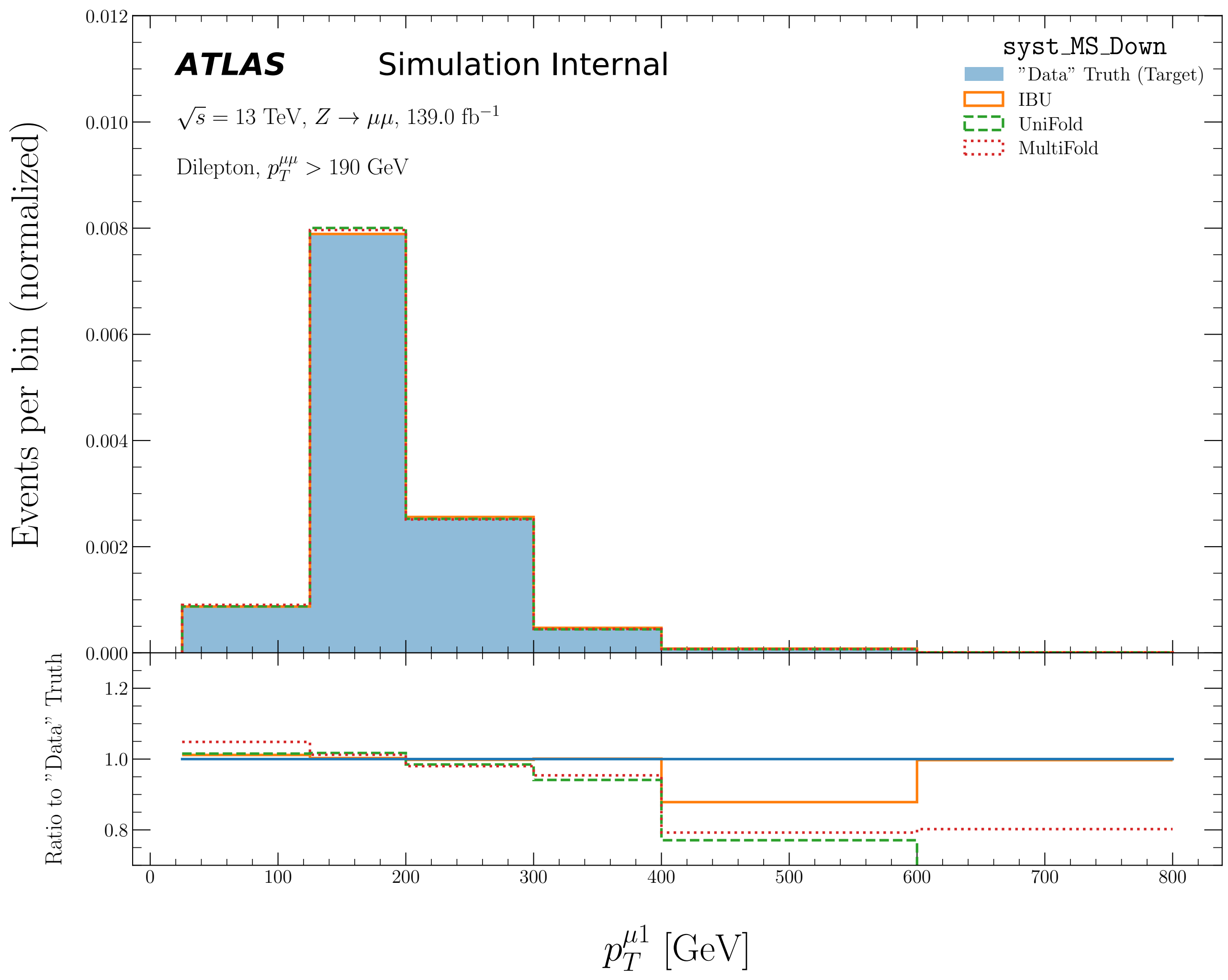
$y_{\mu\mu}$

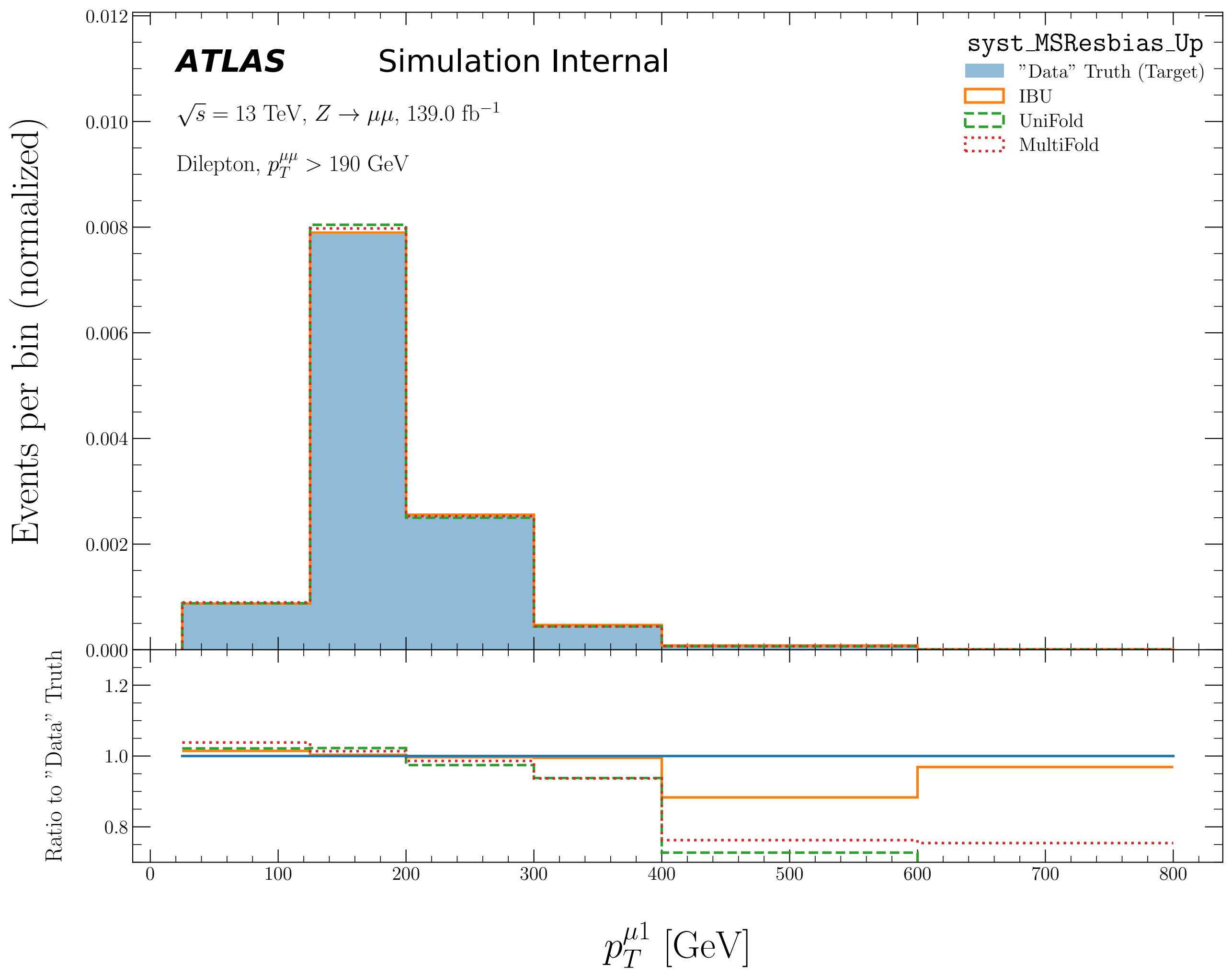


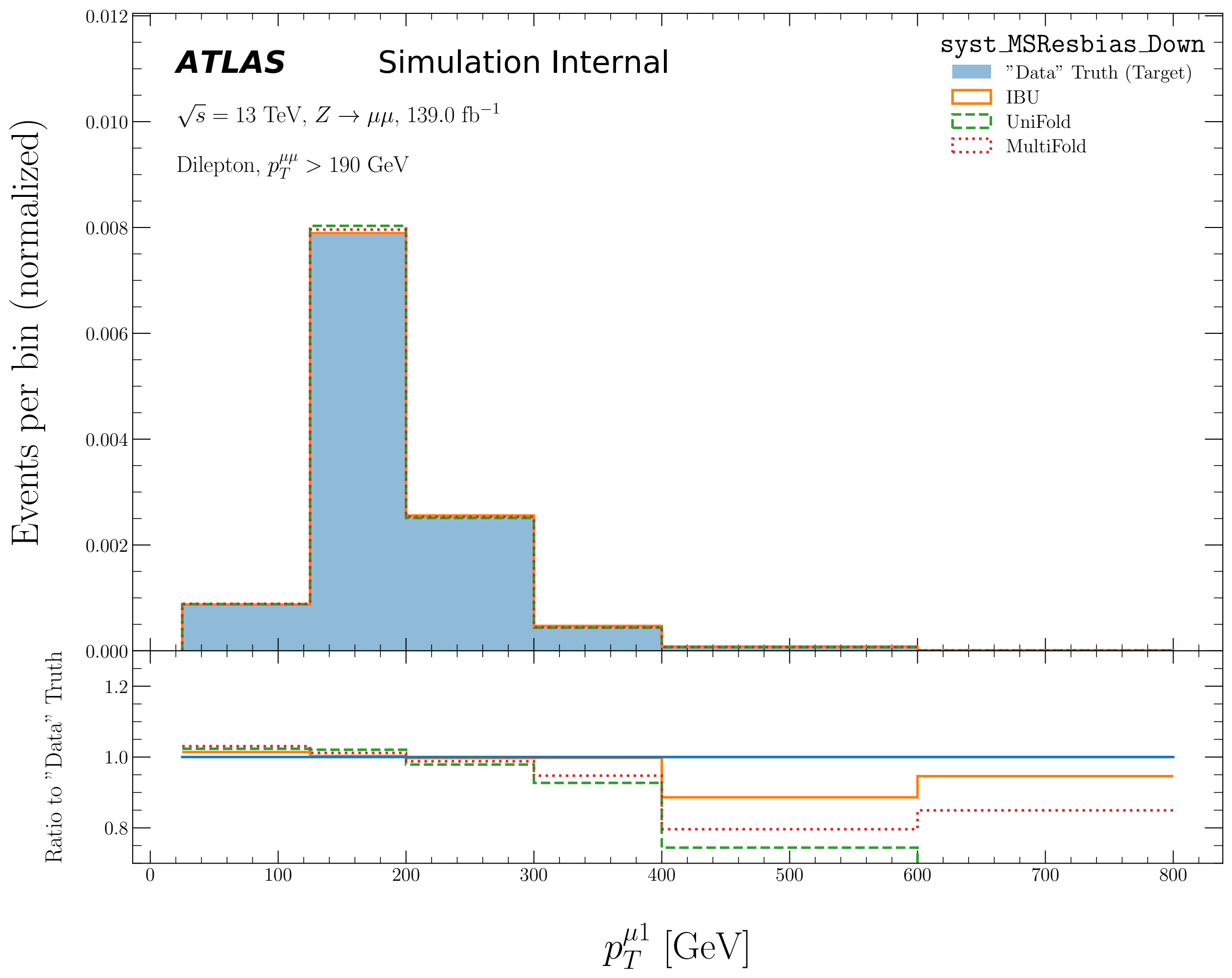


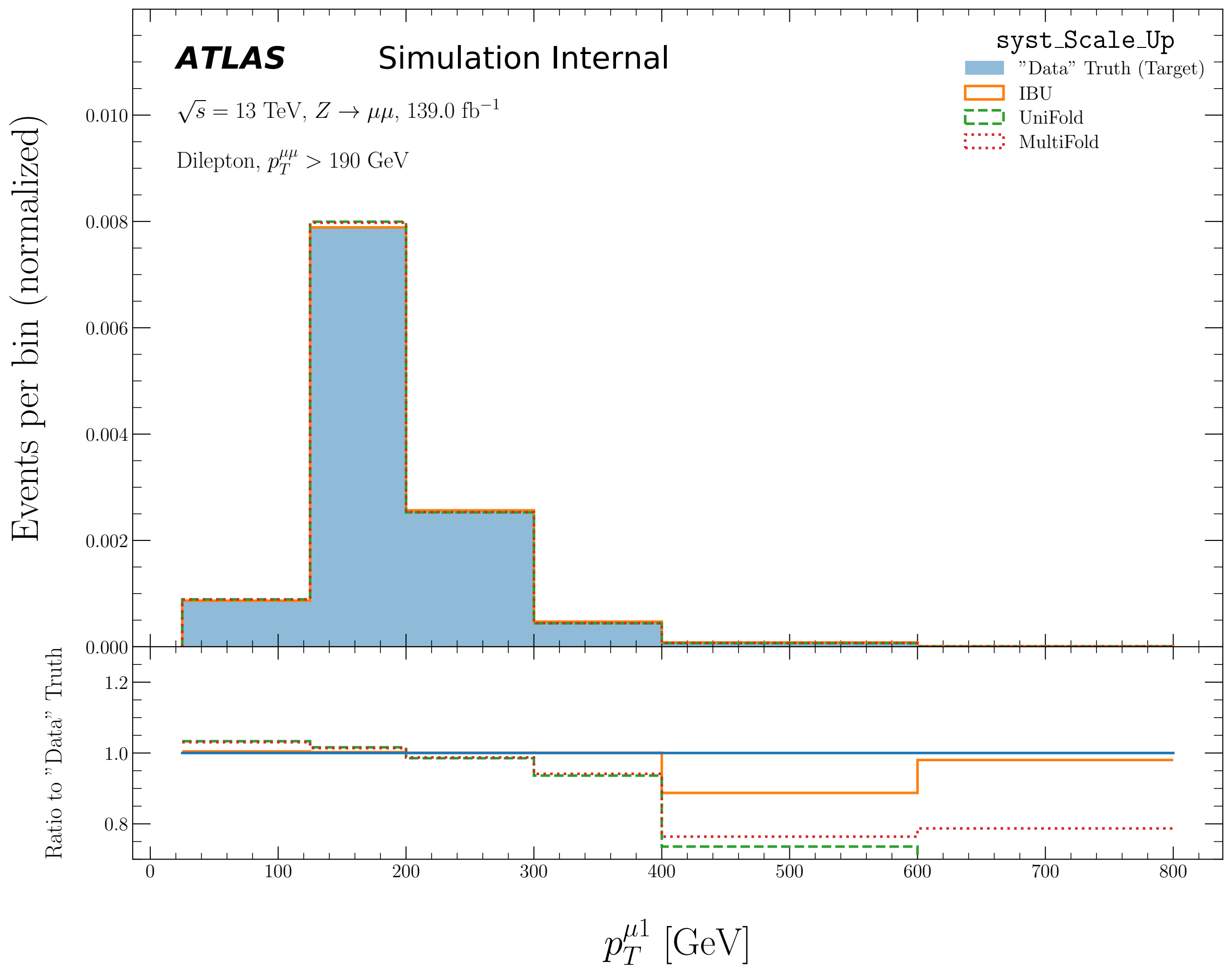


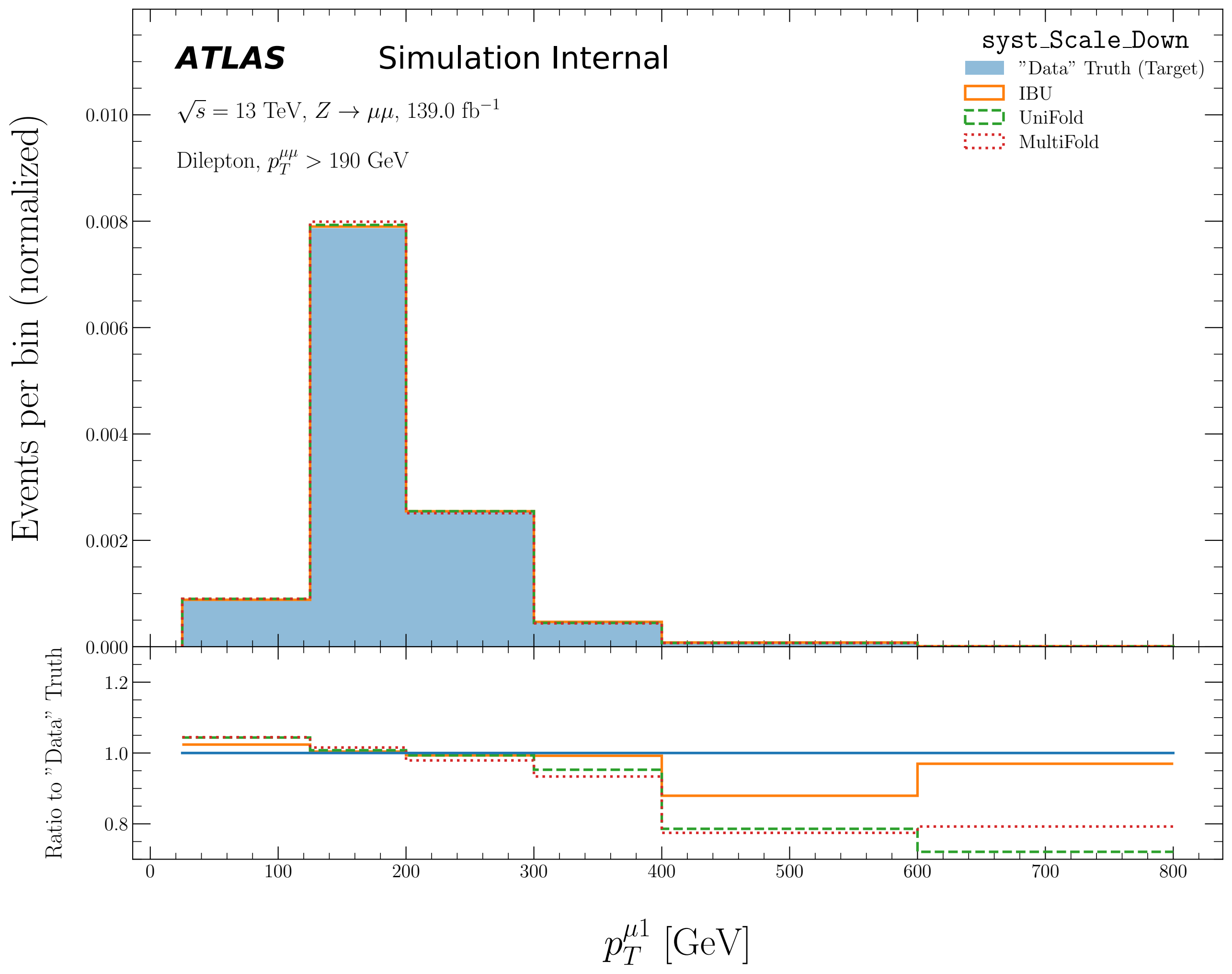


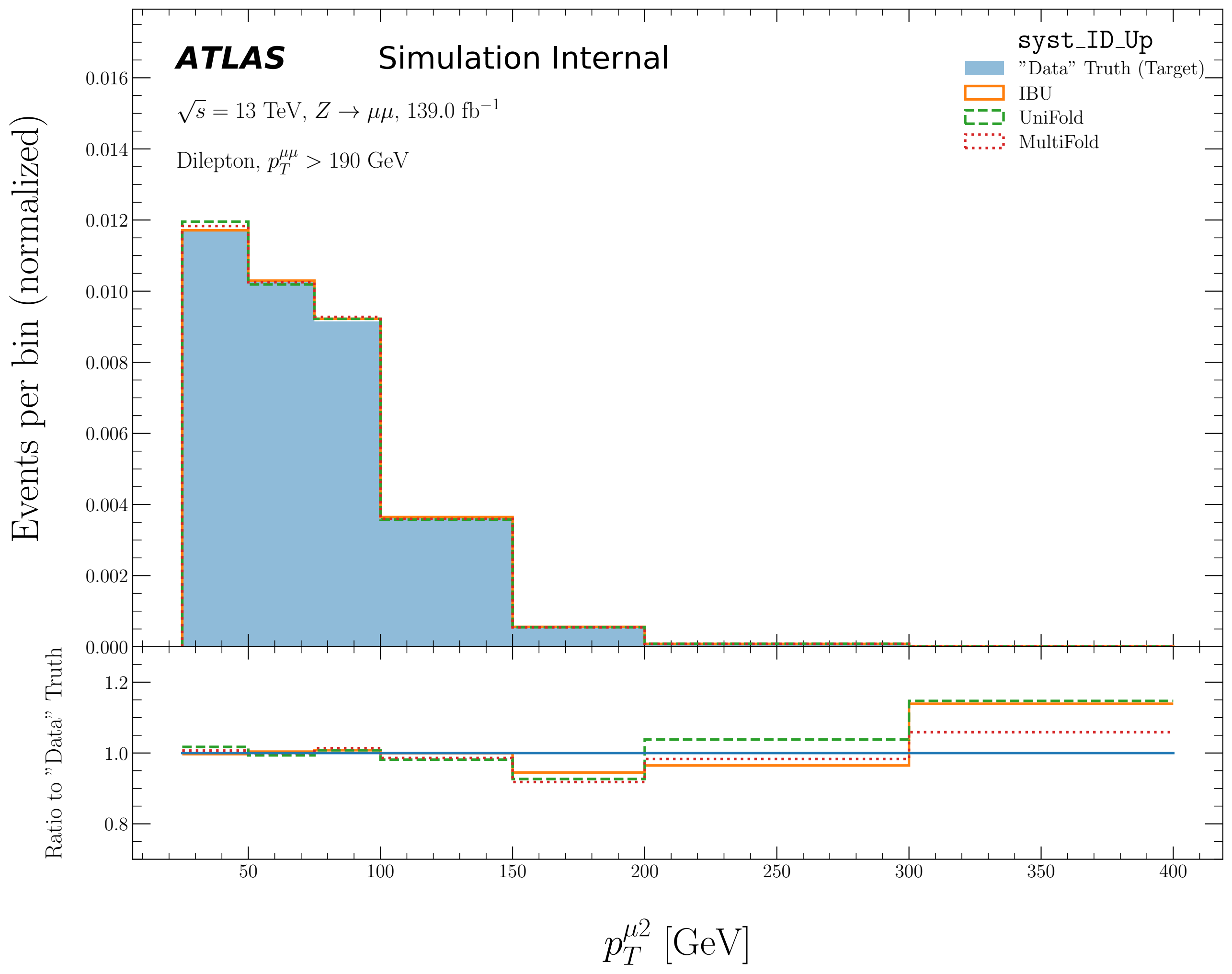


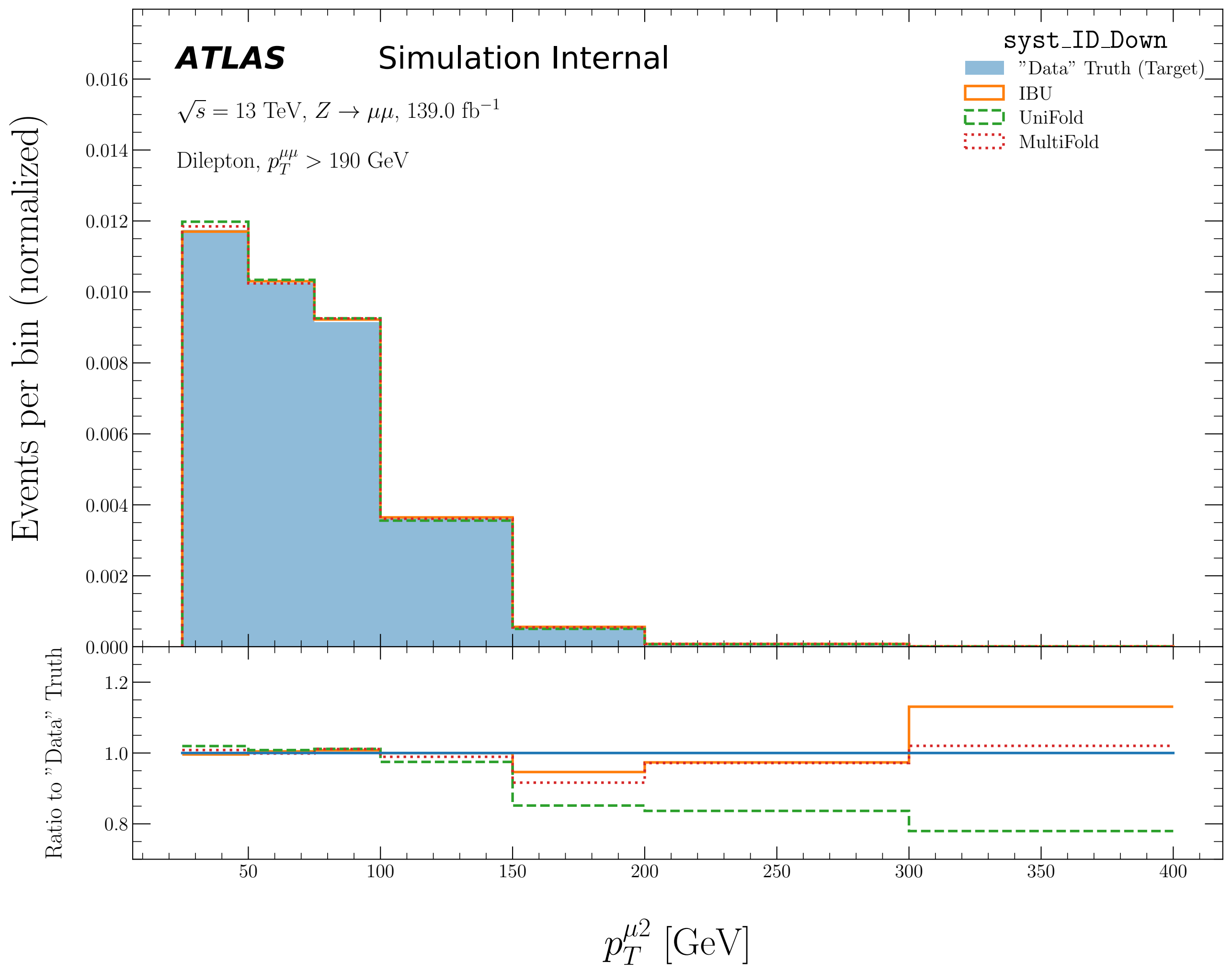


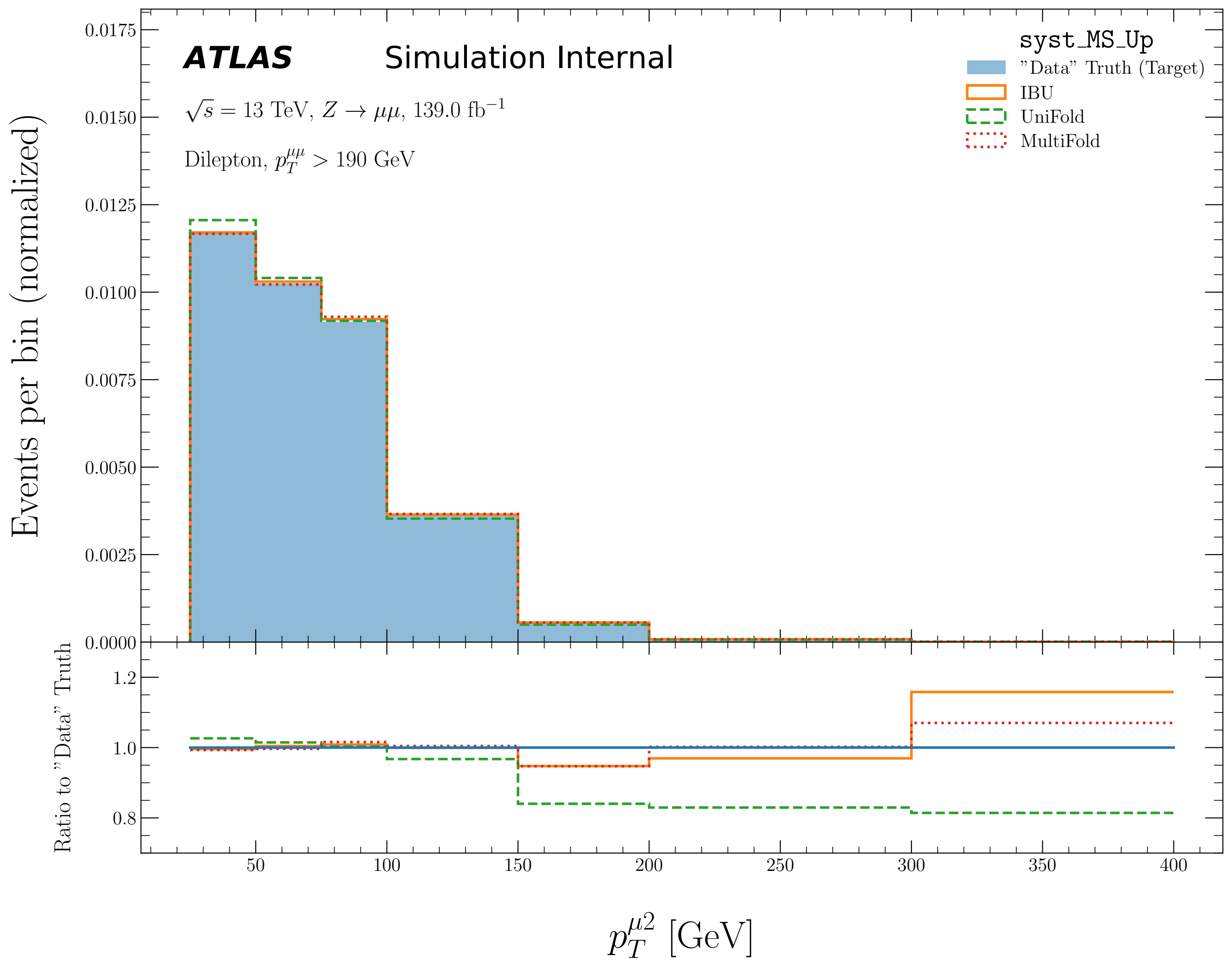


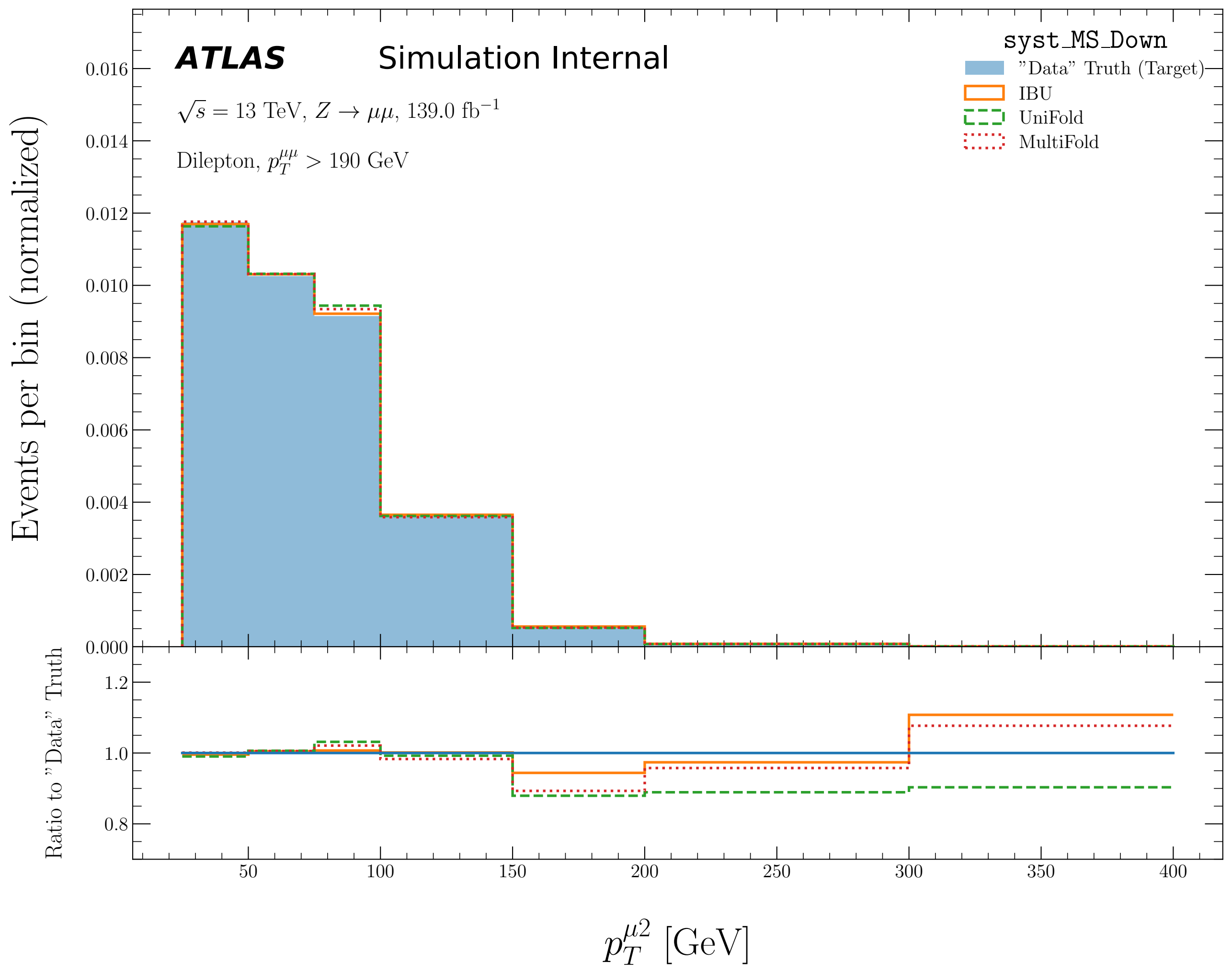


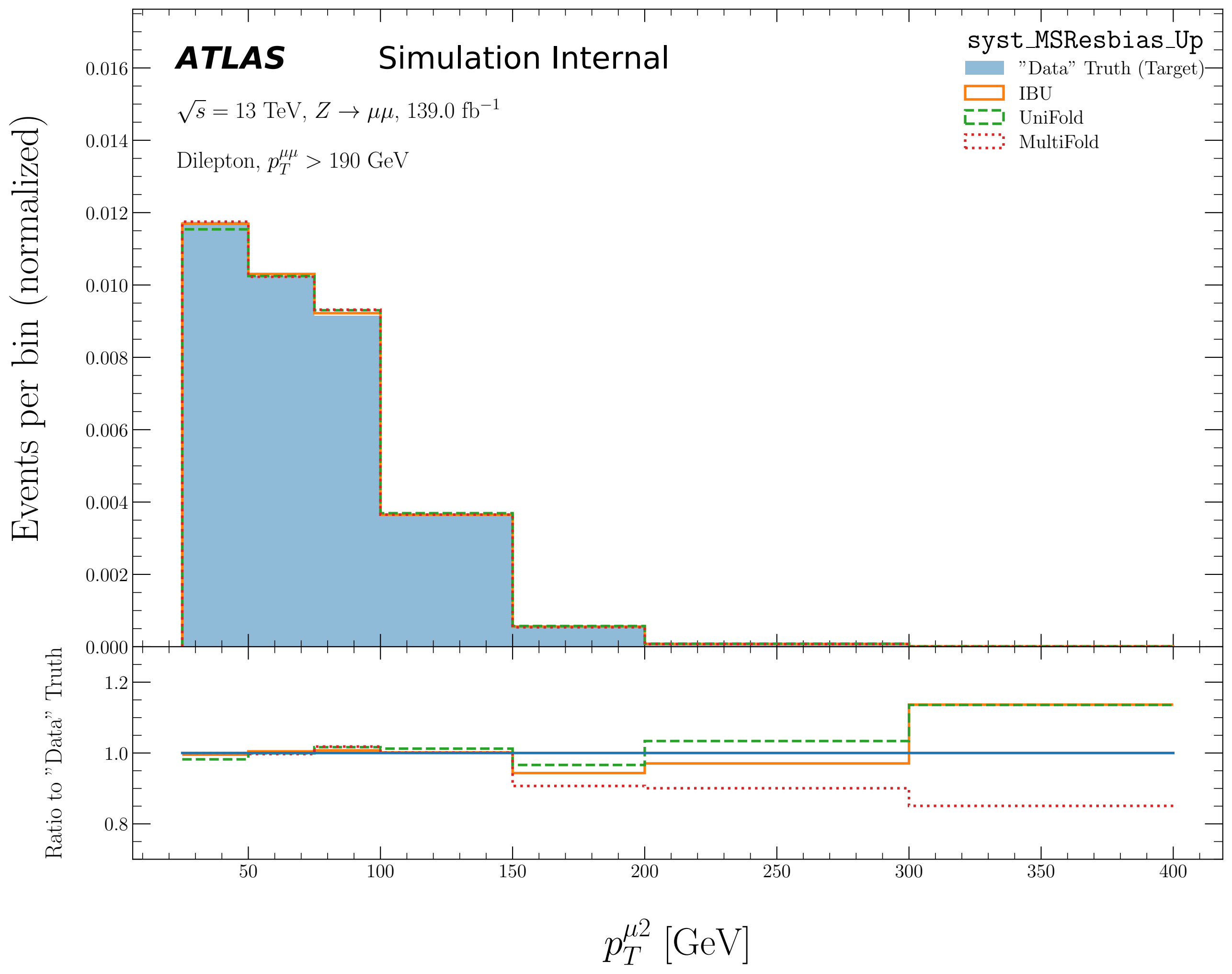


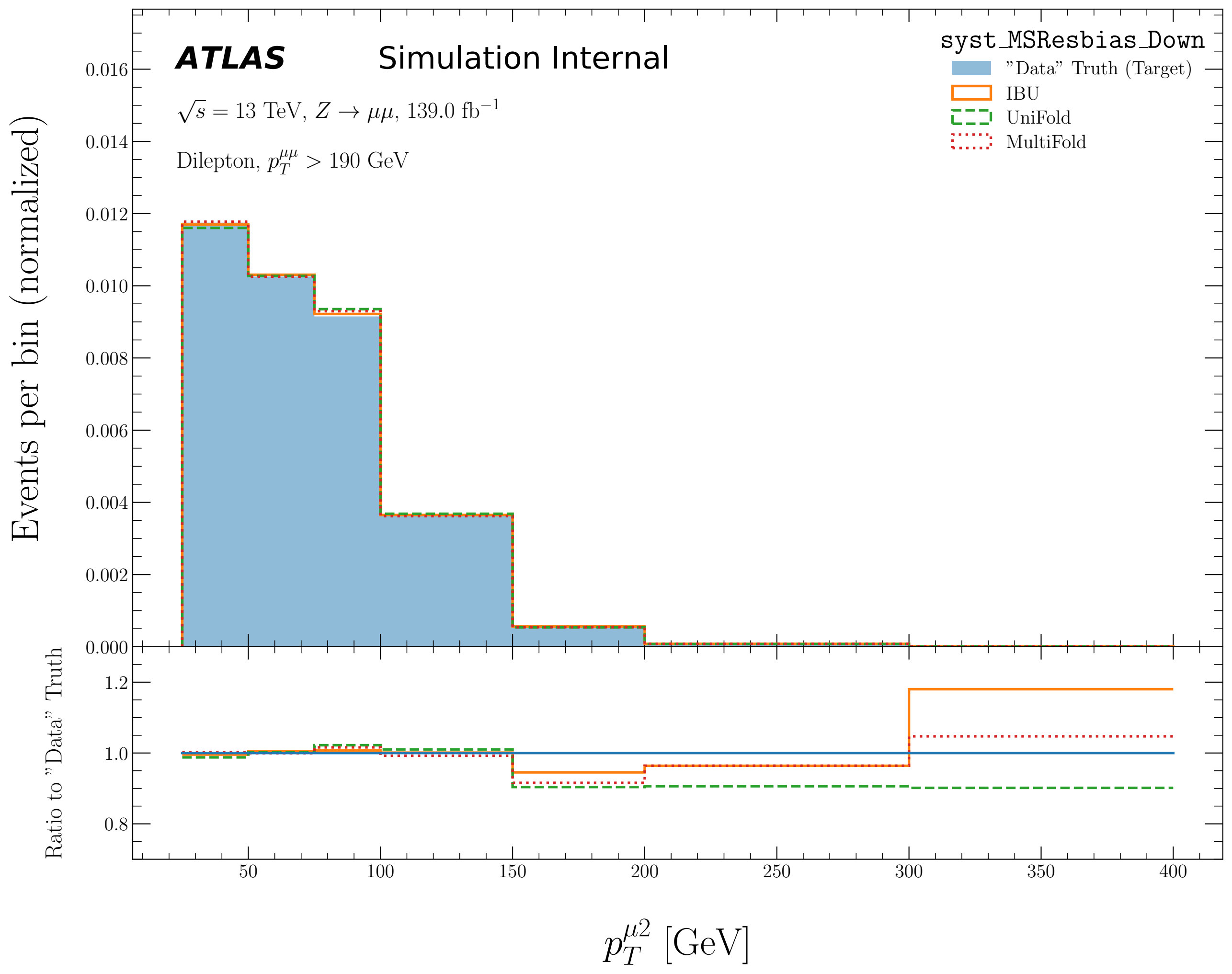


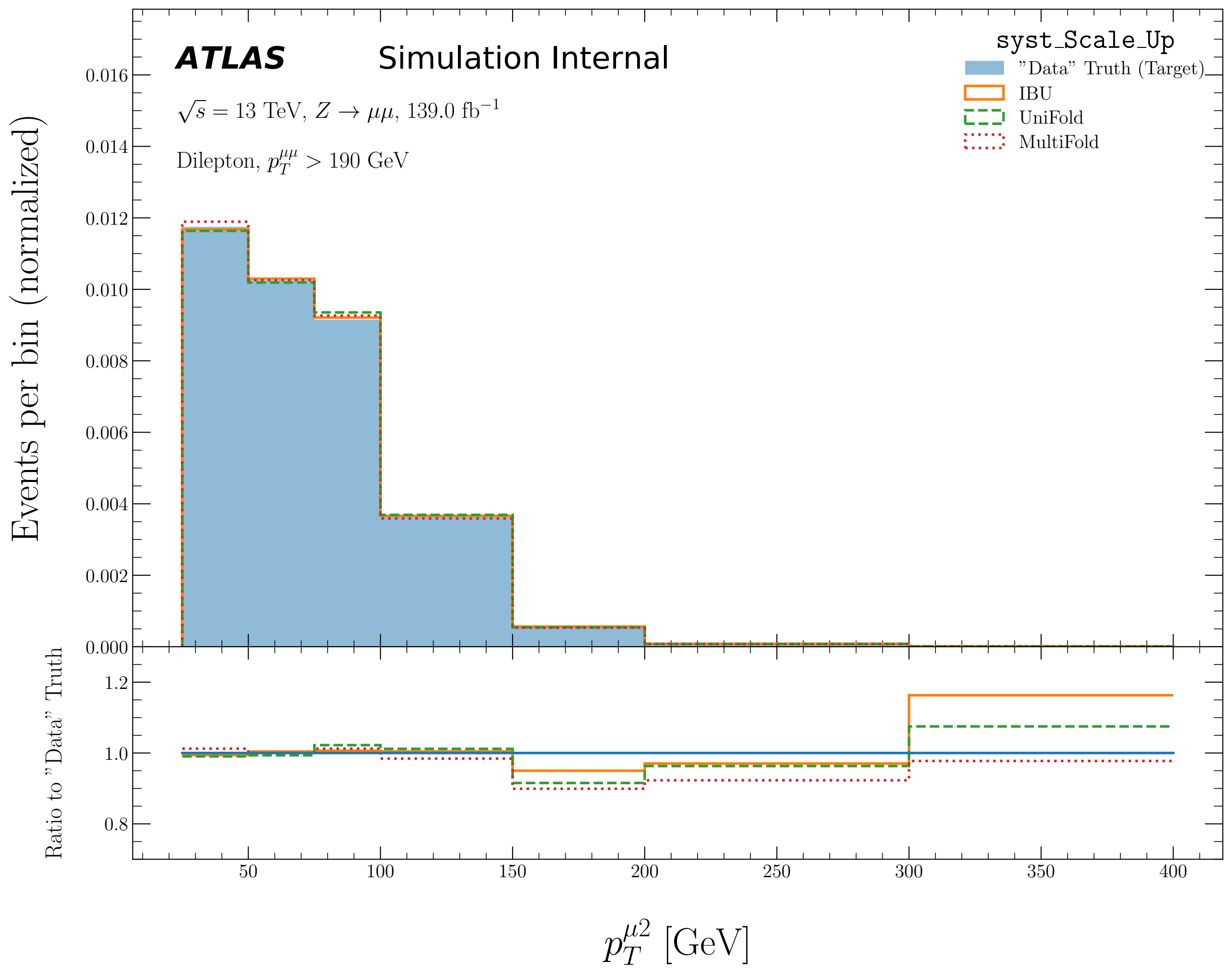


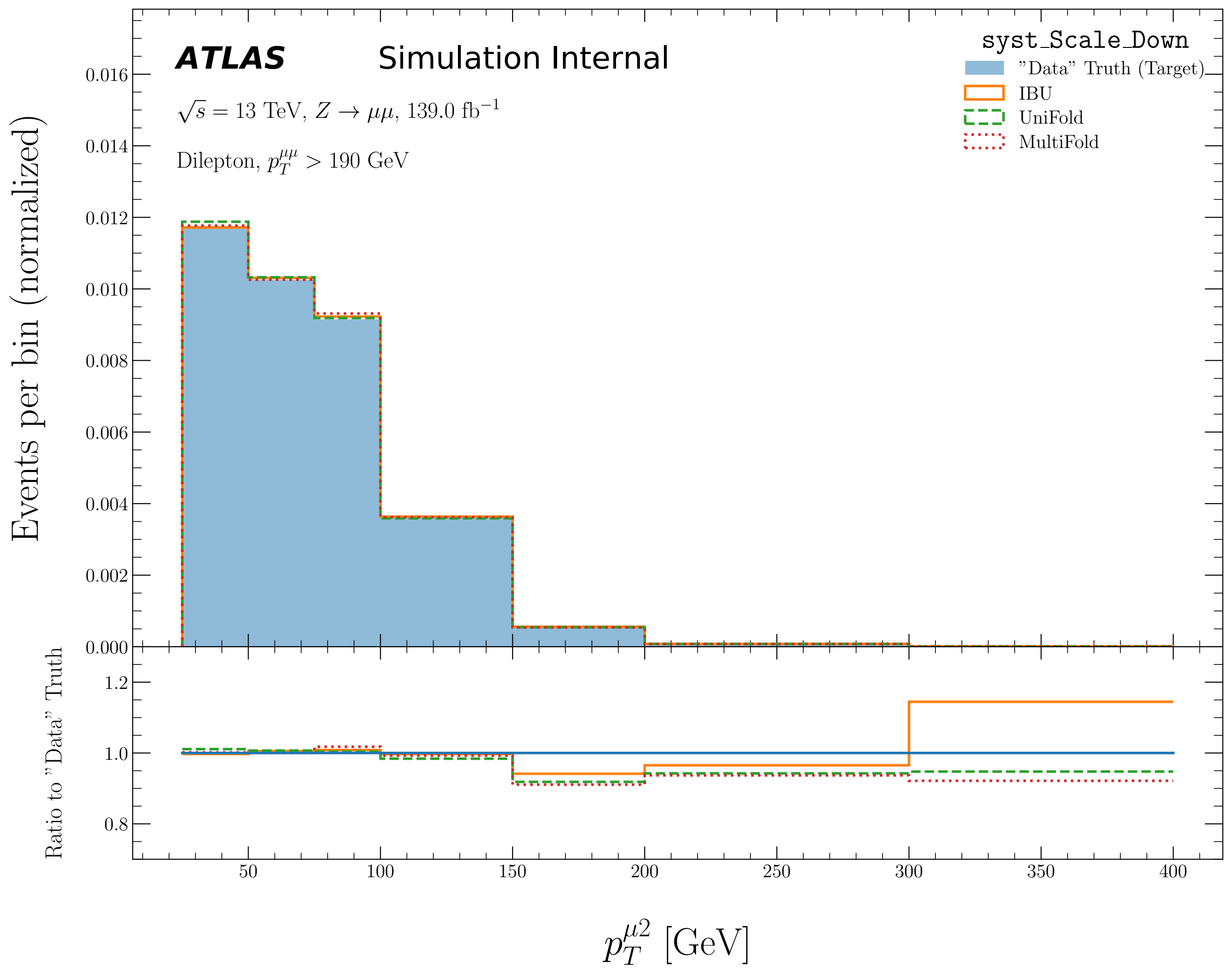


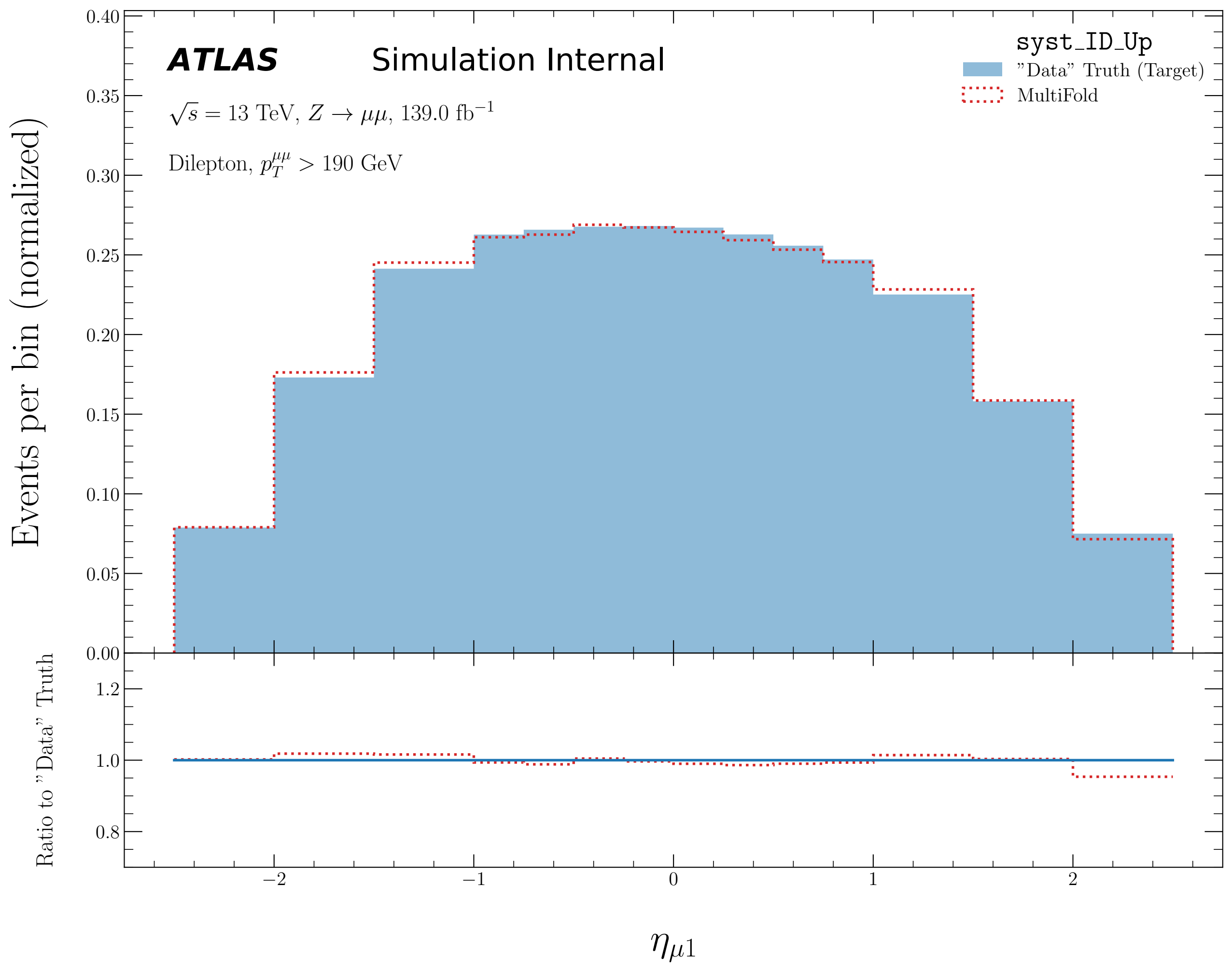


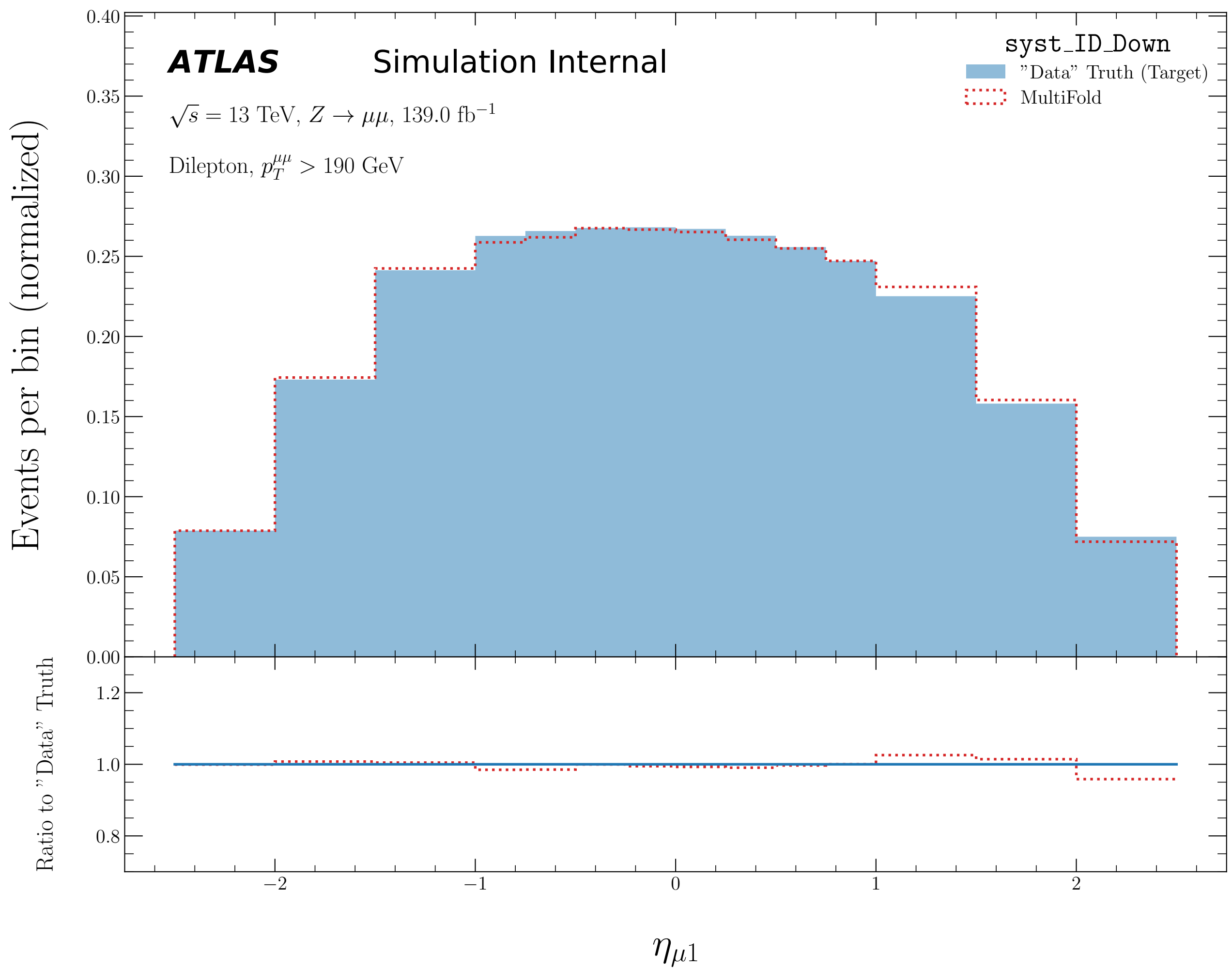


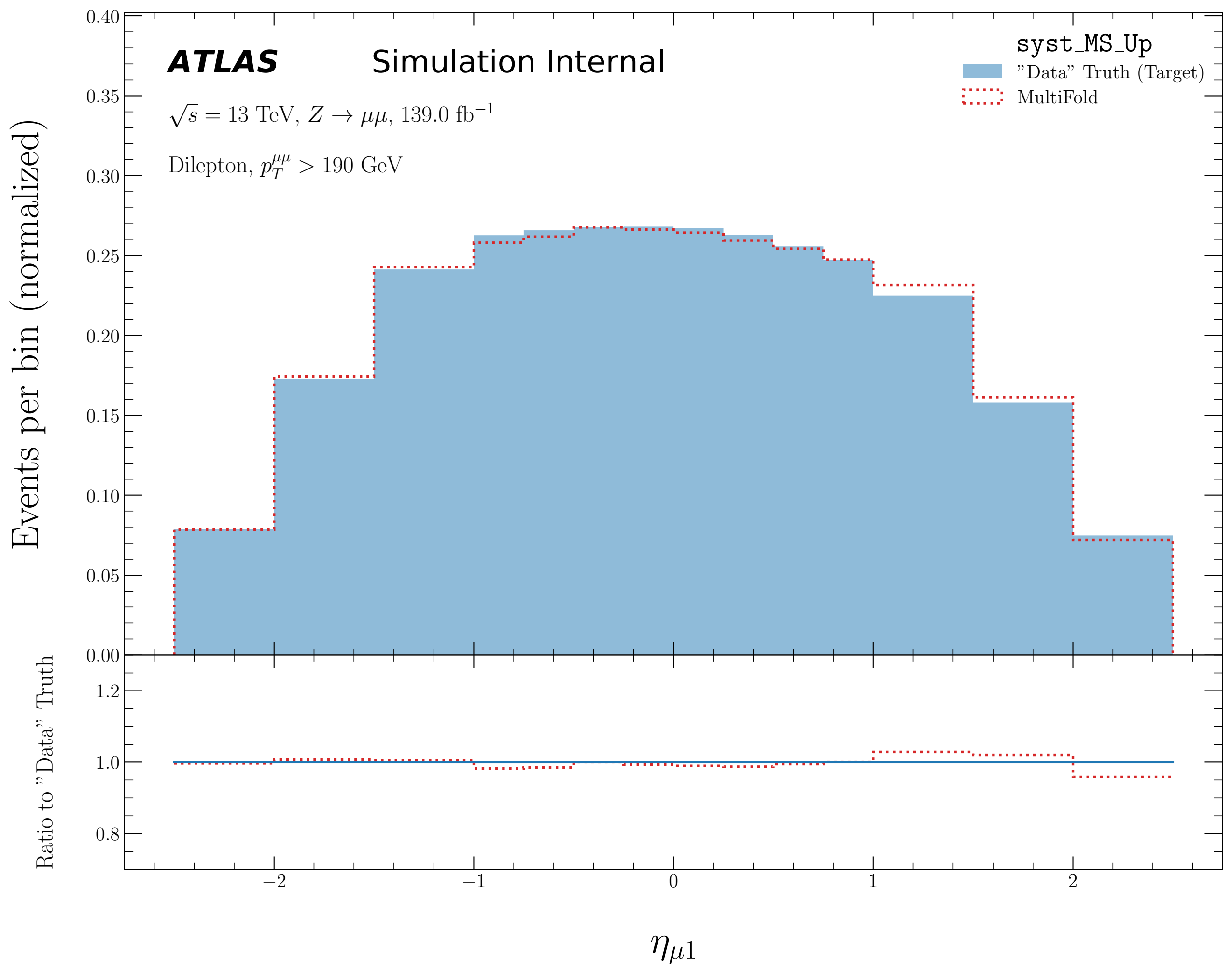


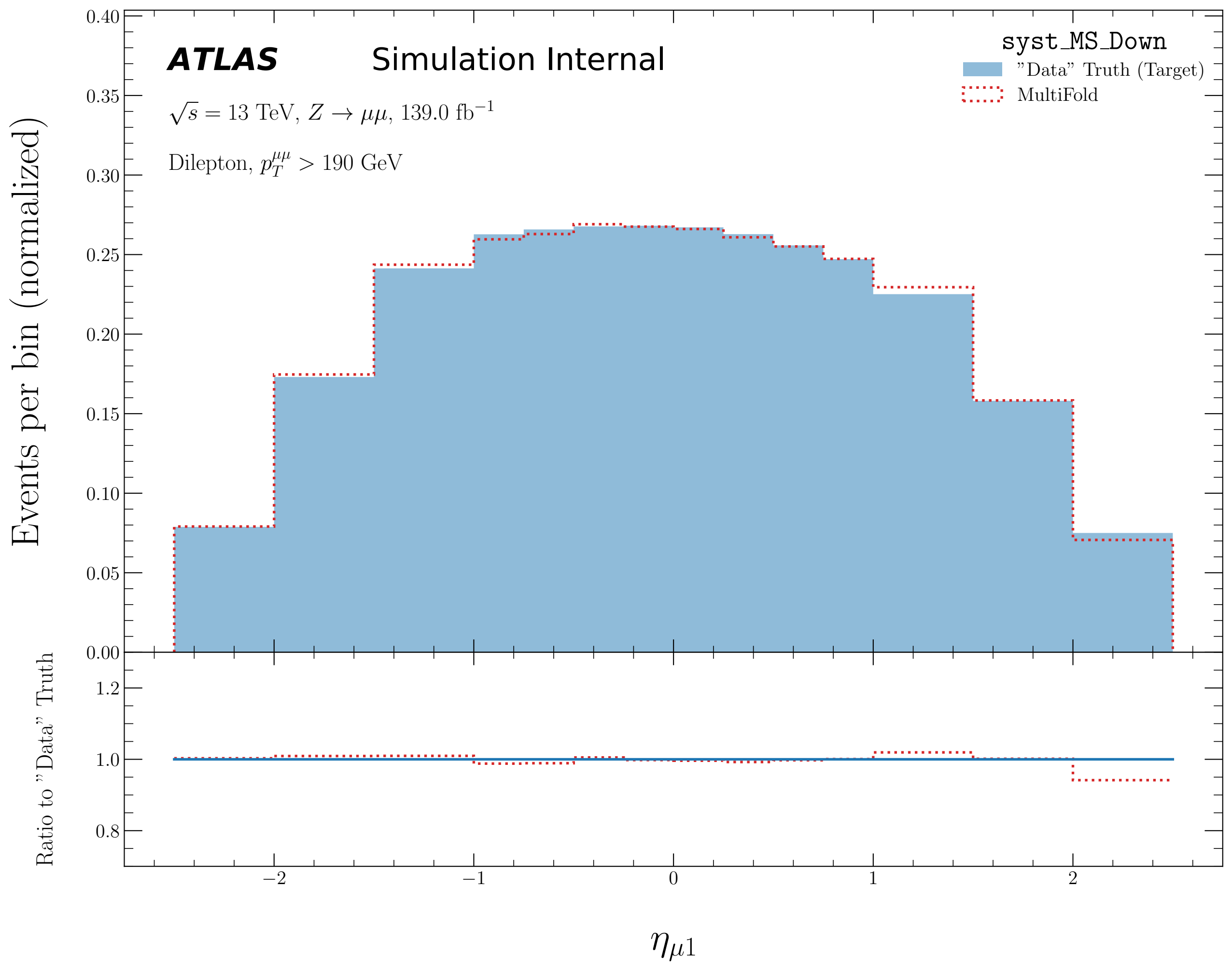


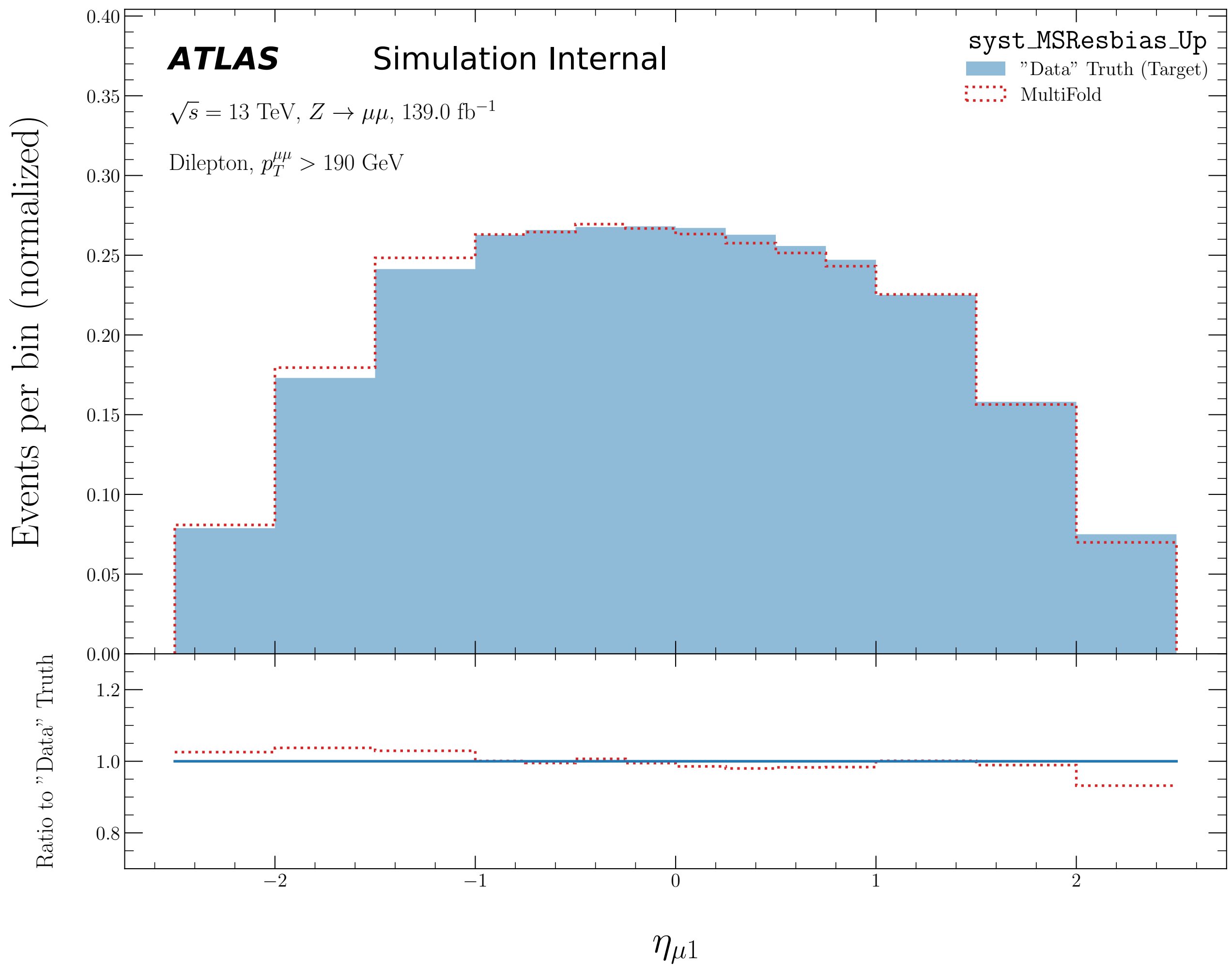


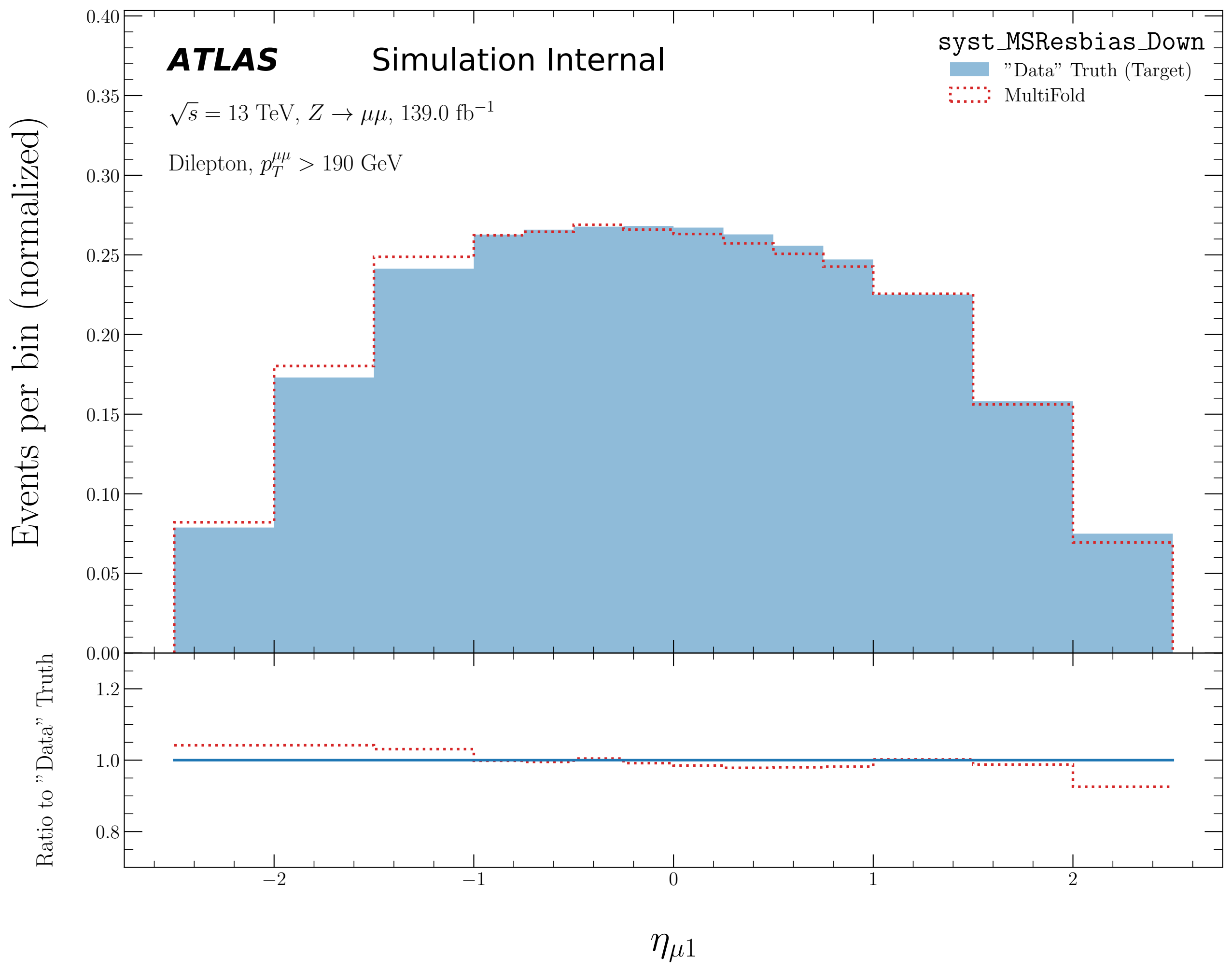


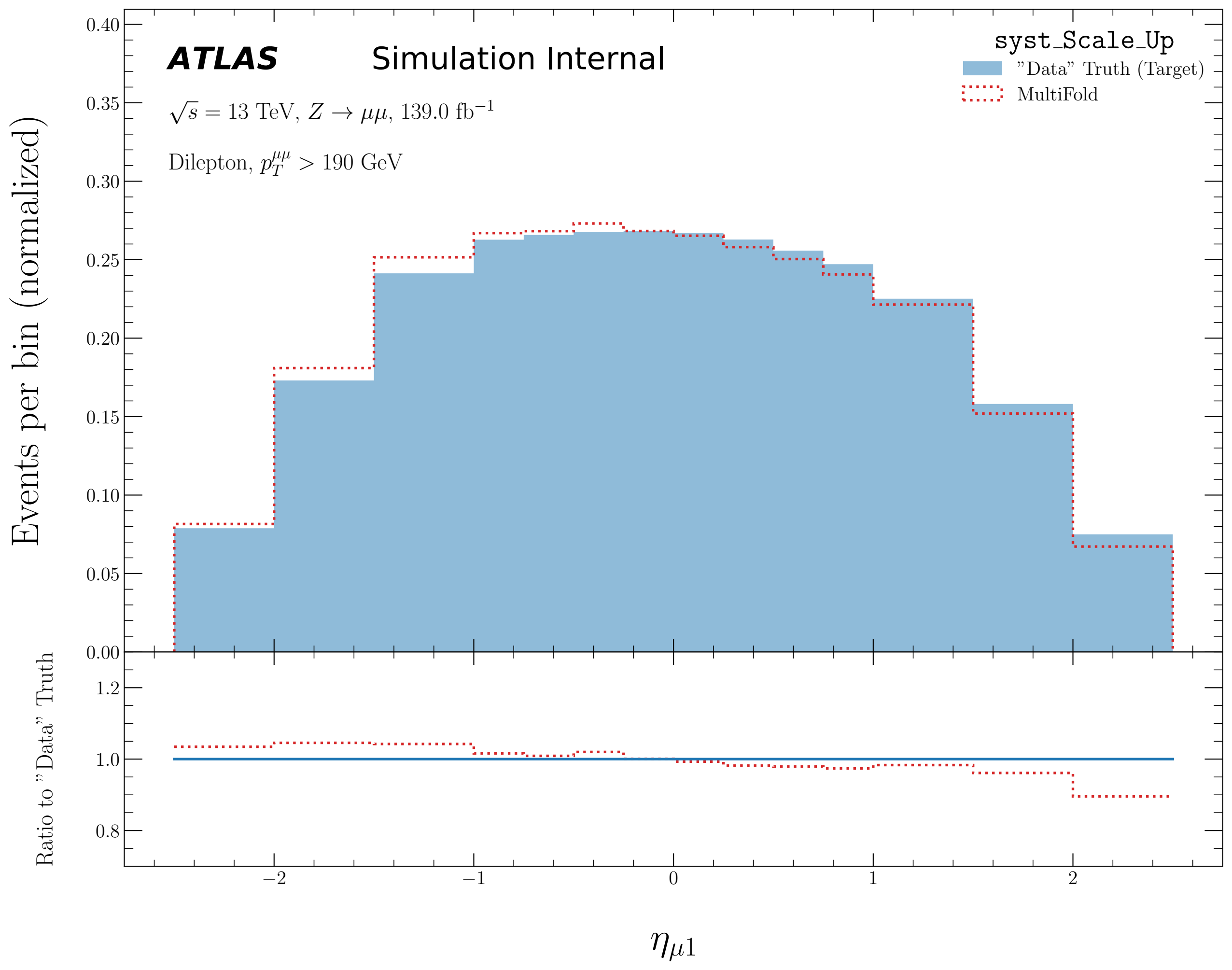


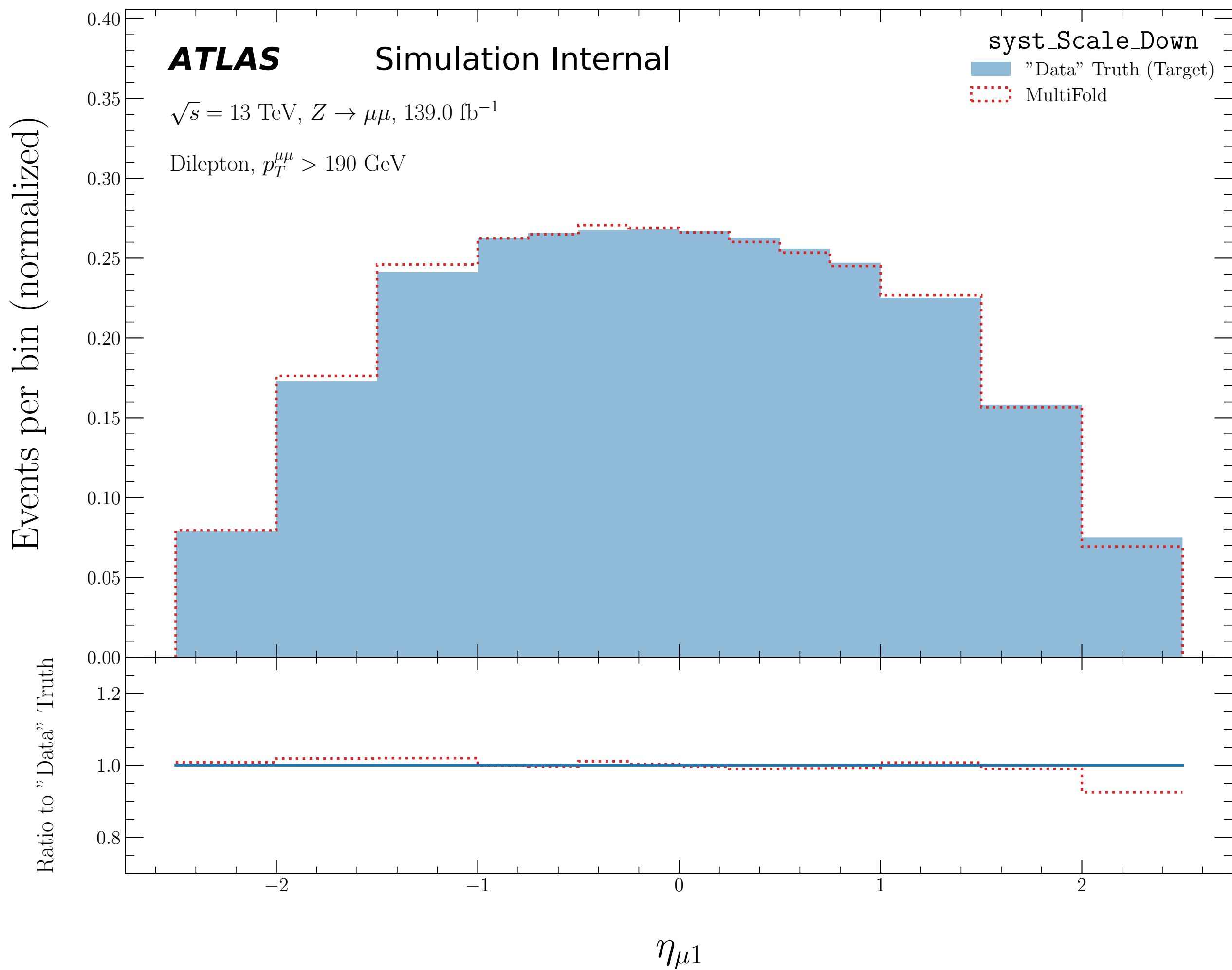


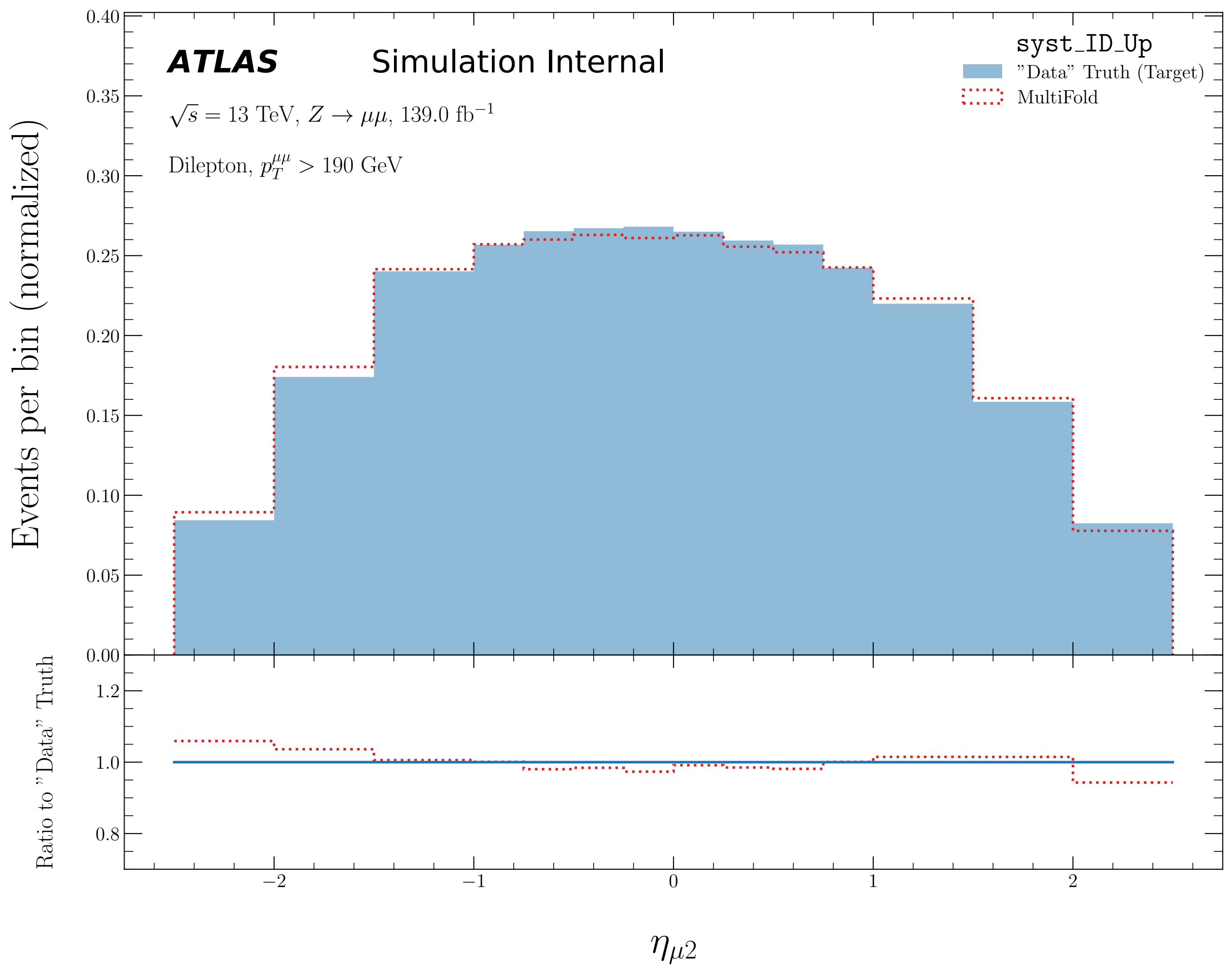


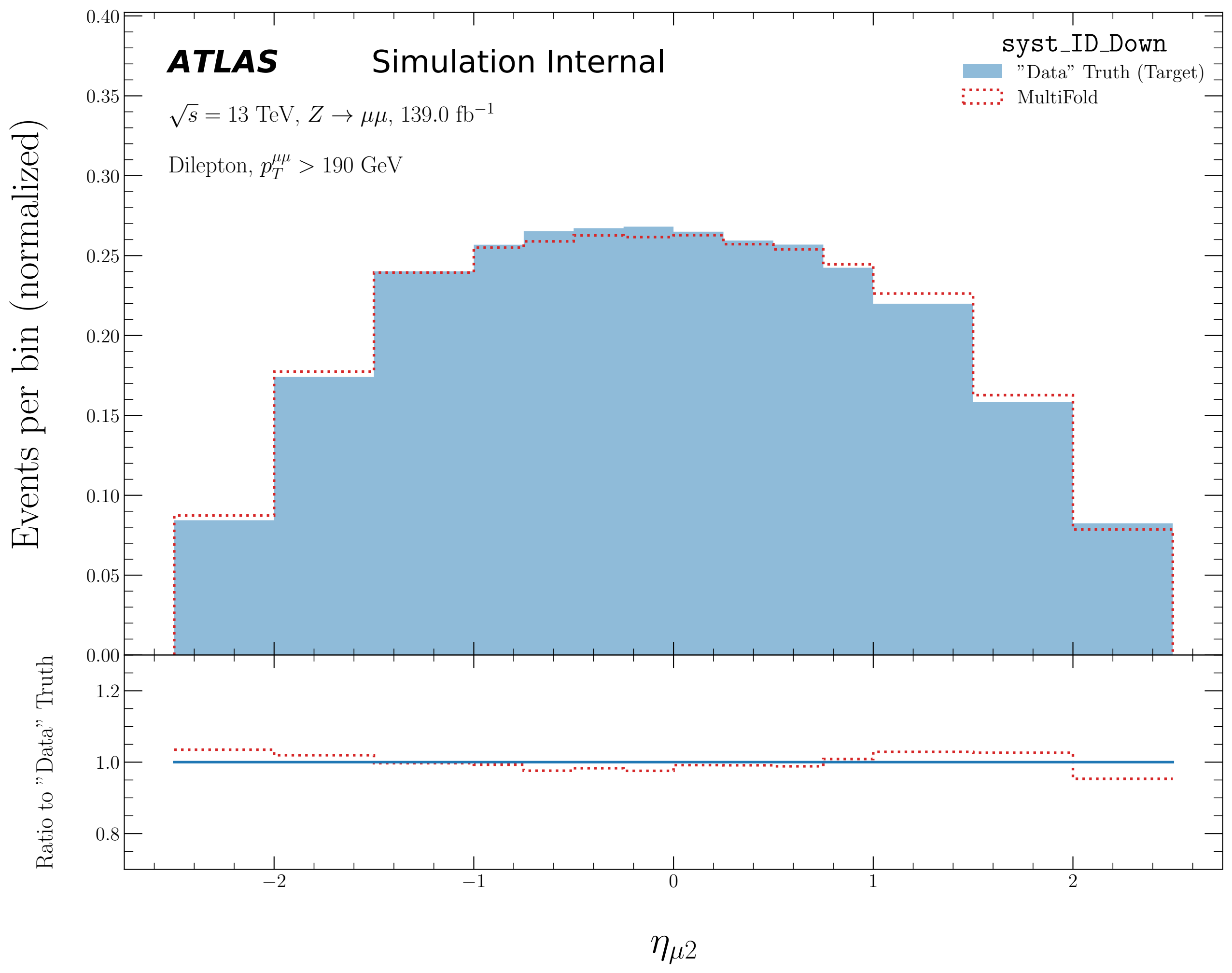


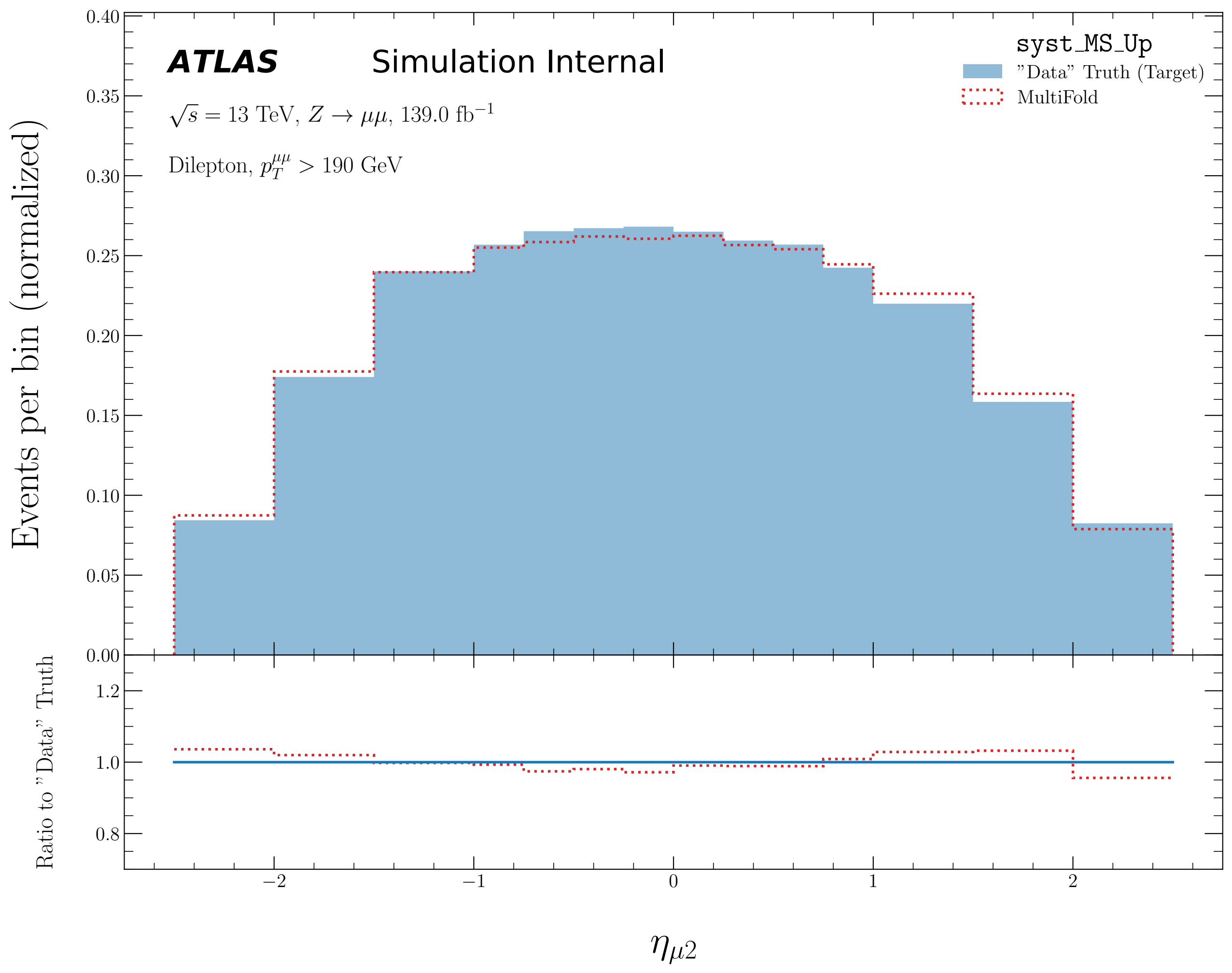


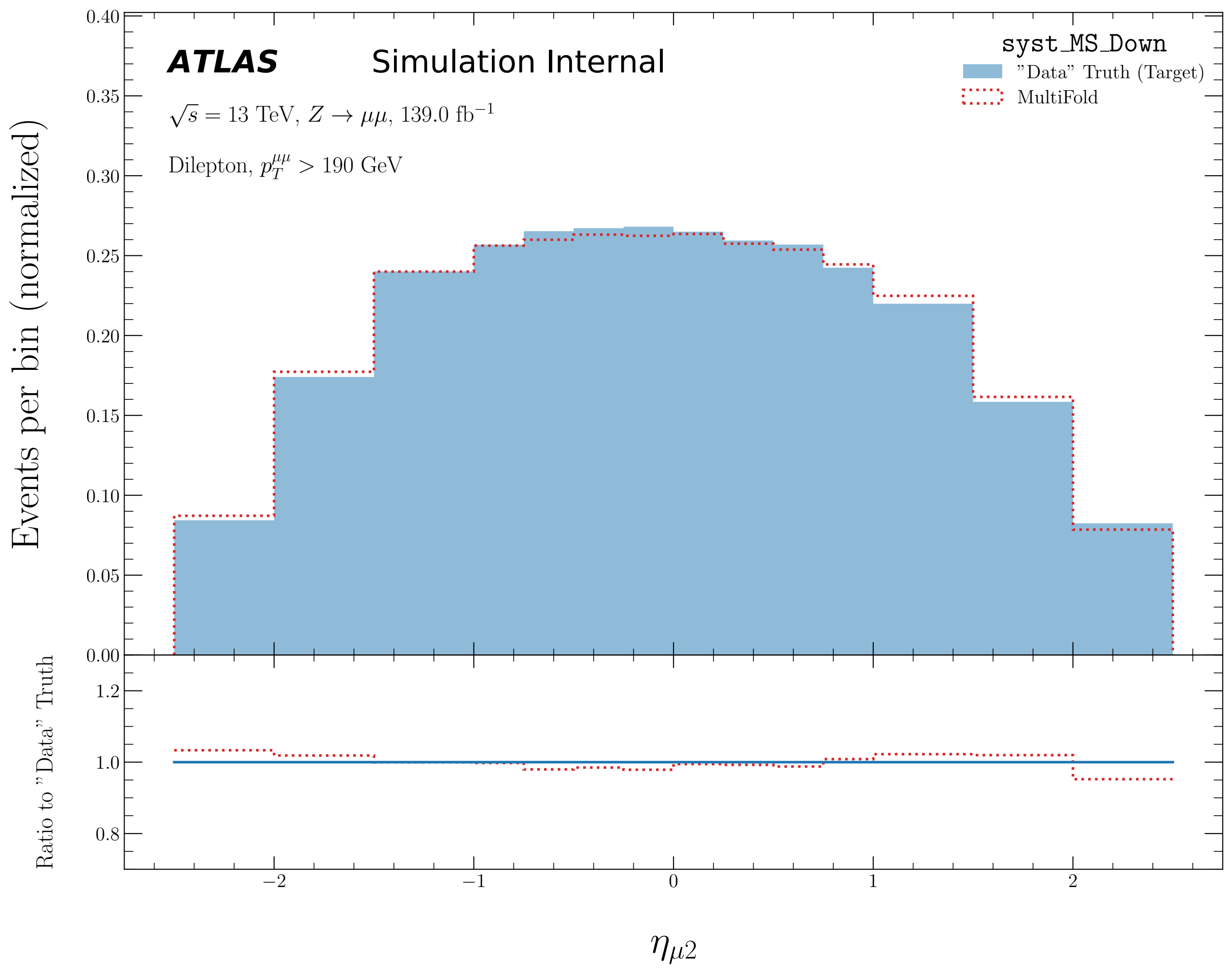


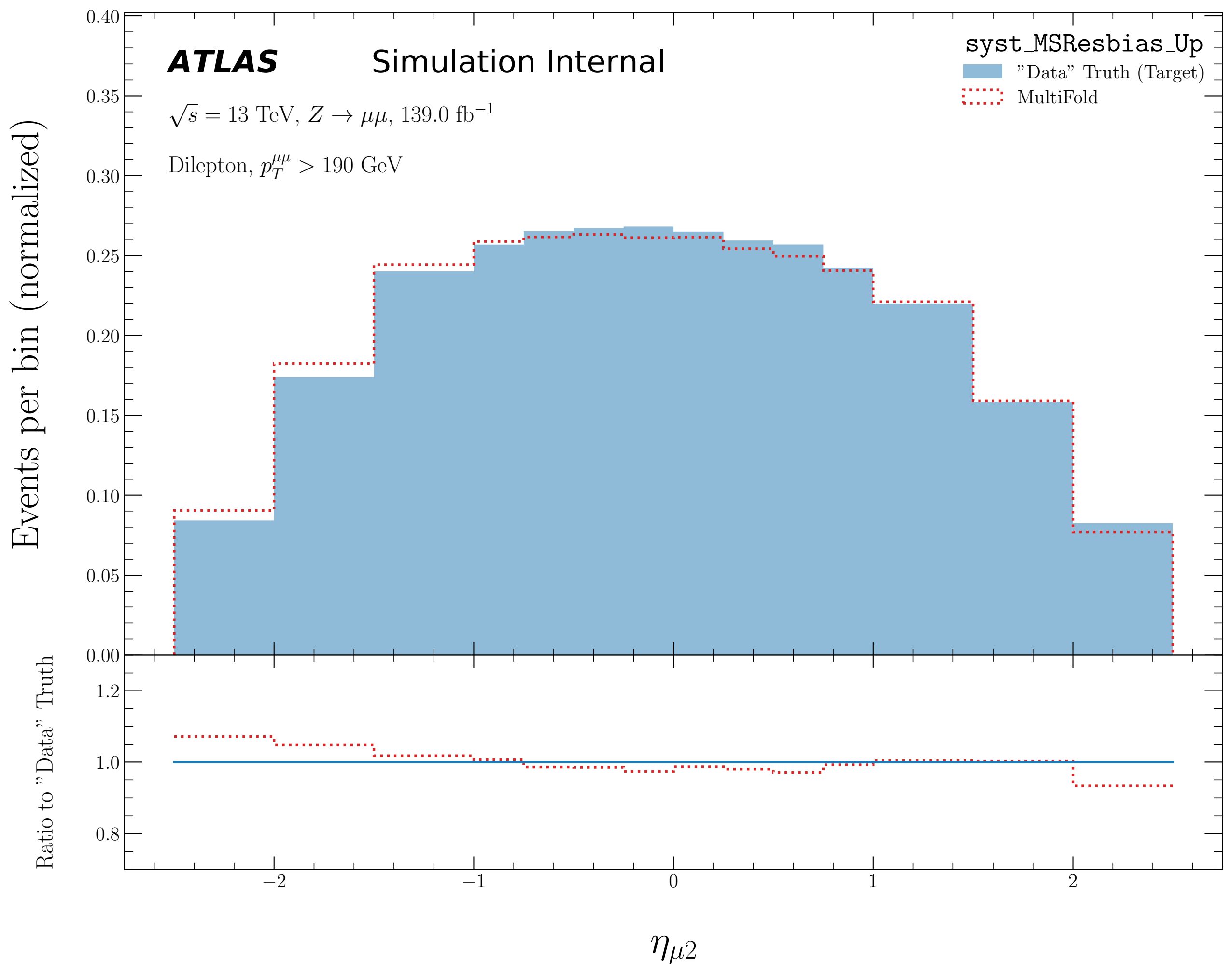


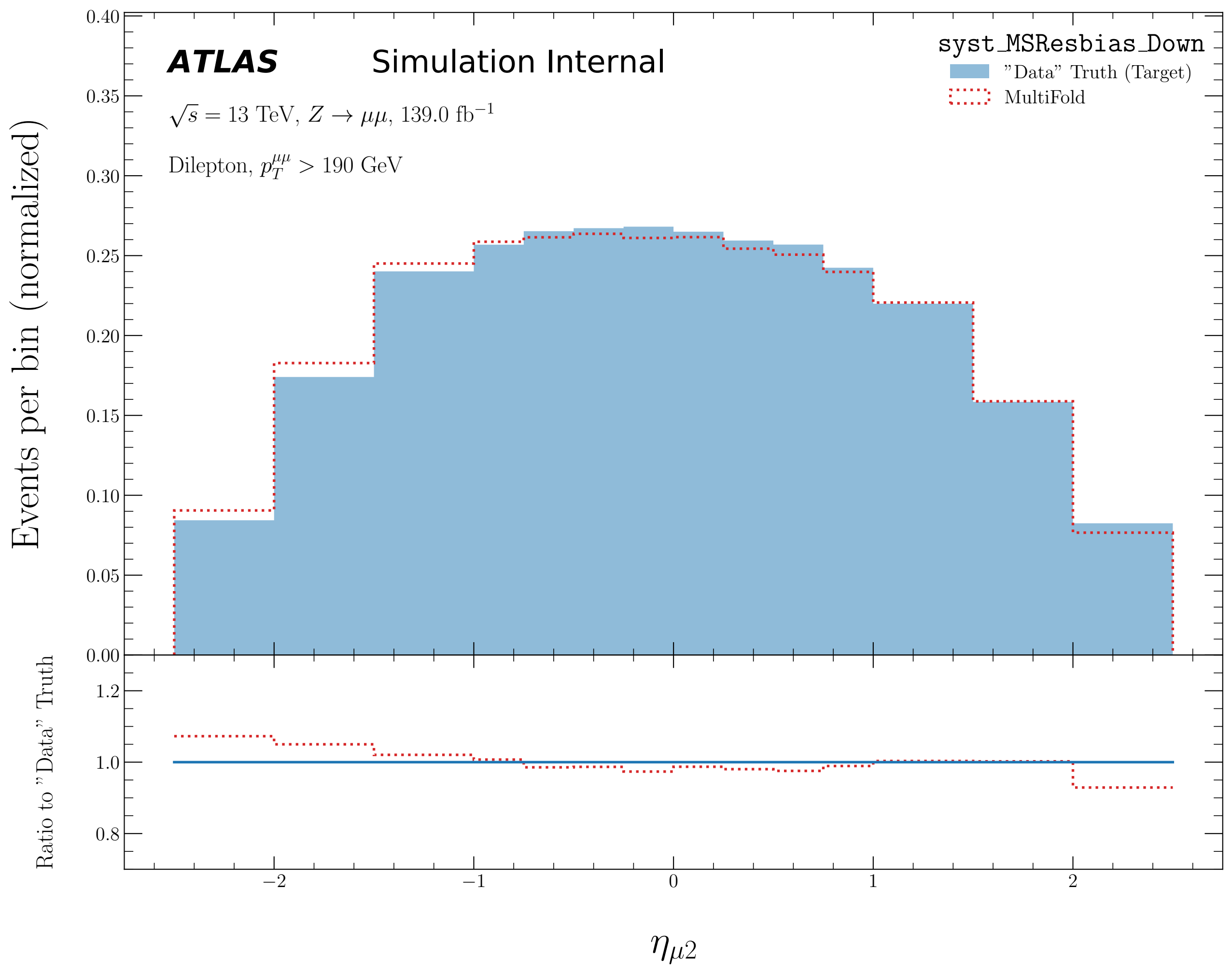


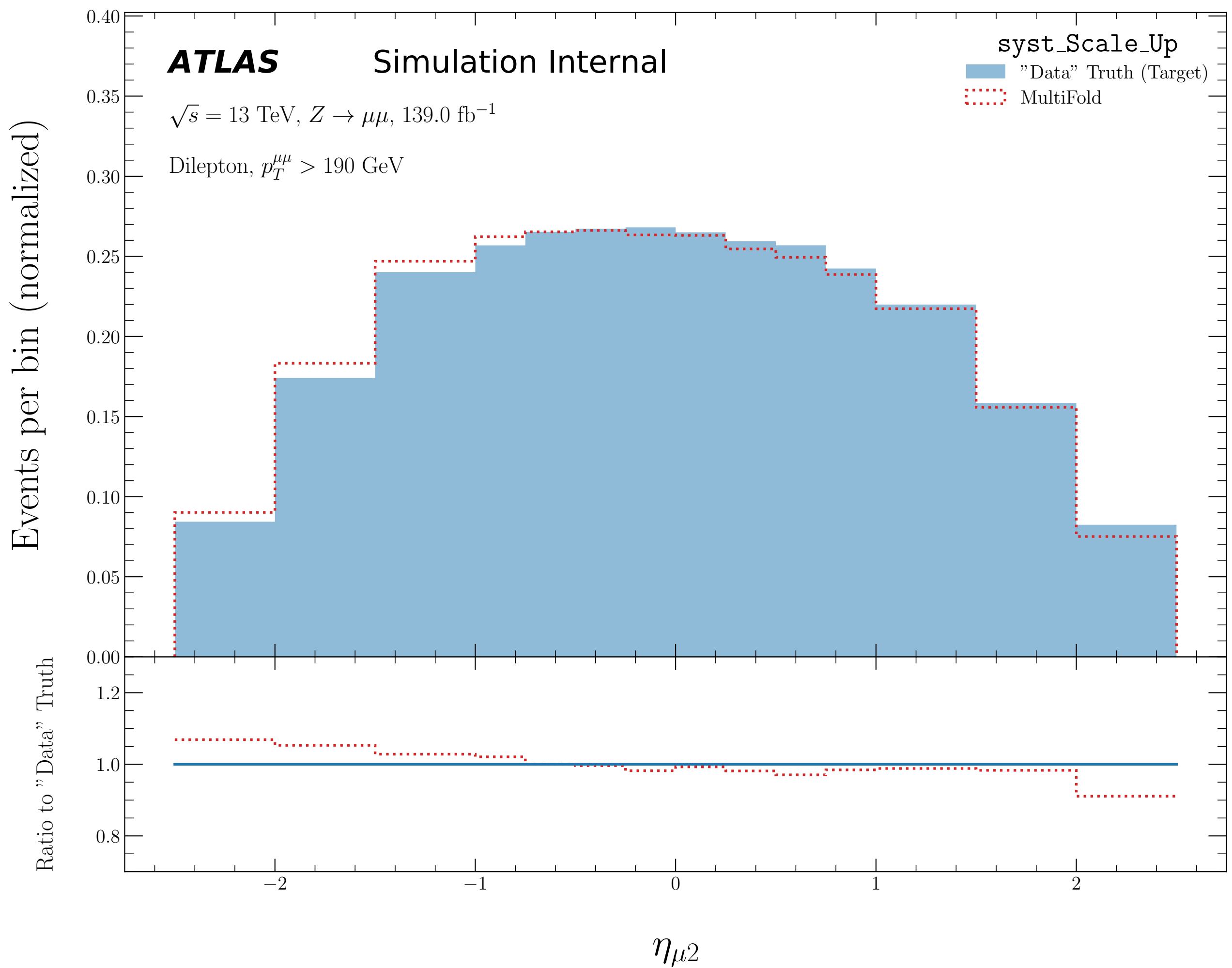


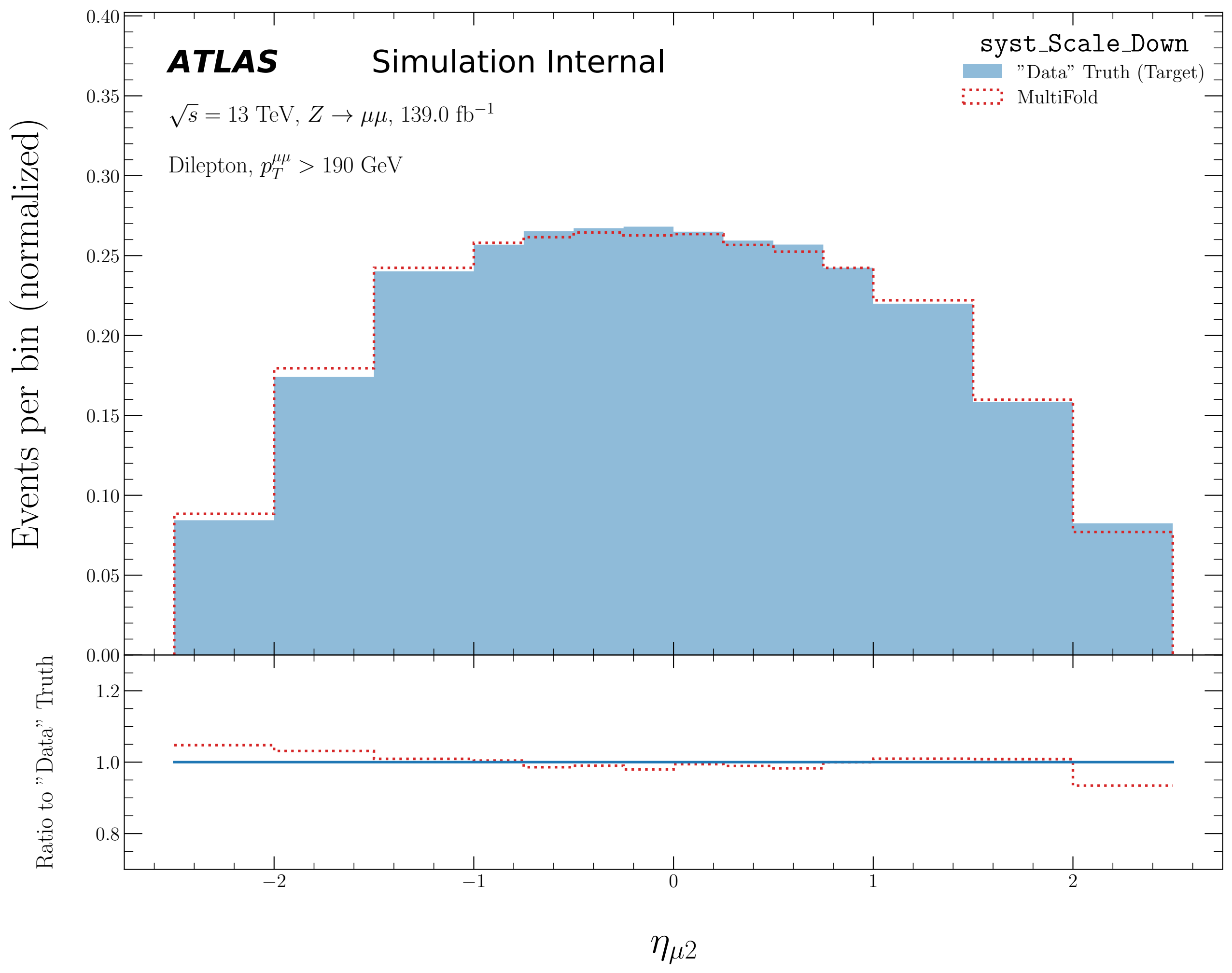


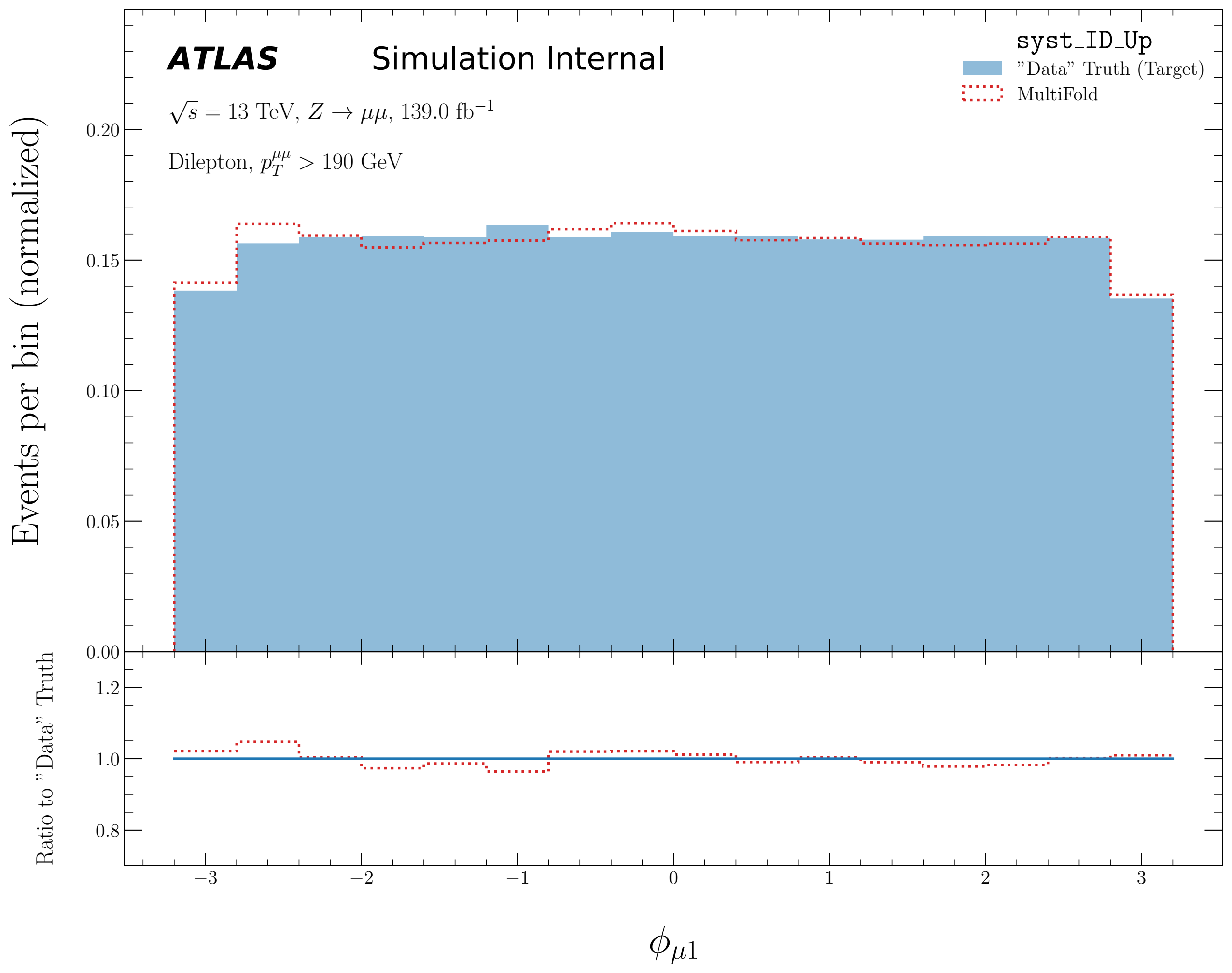


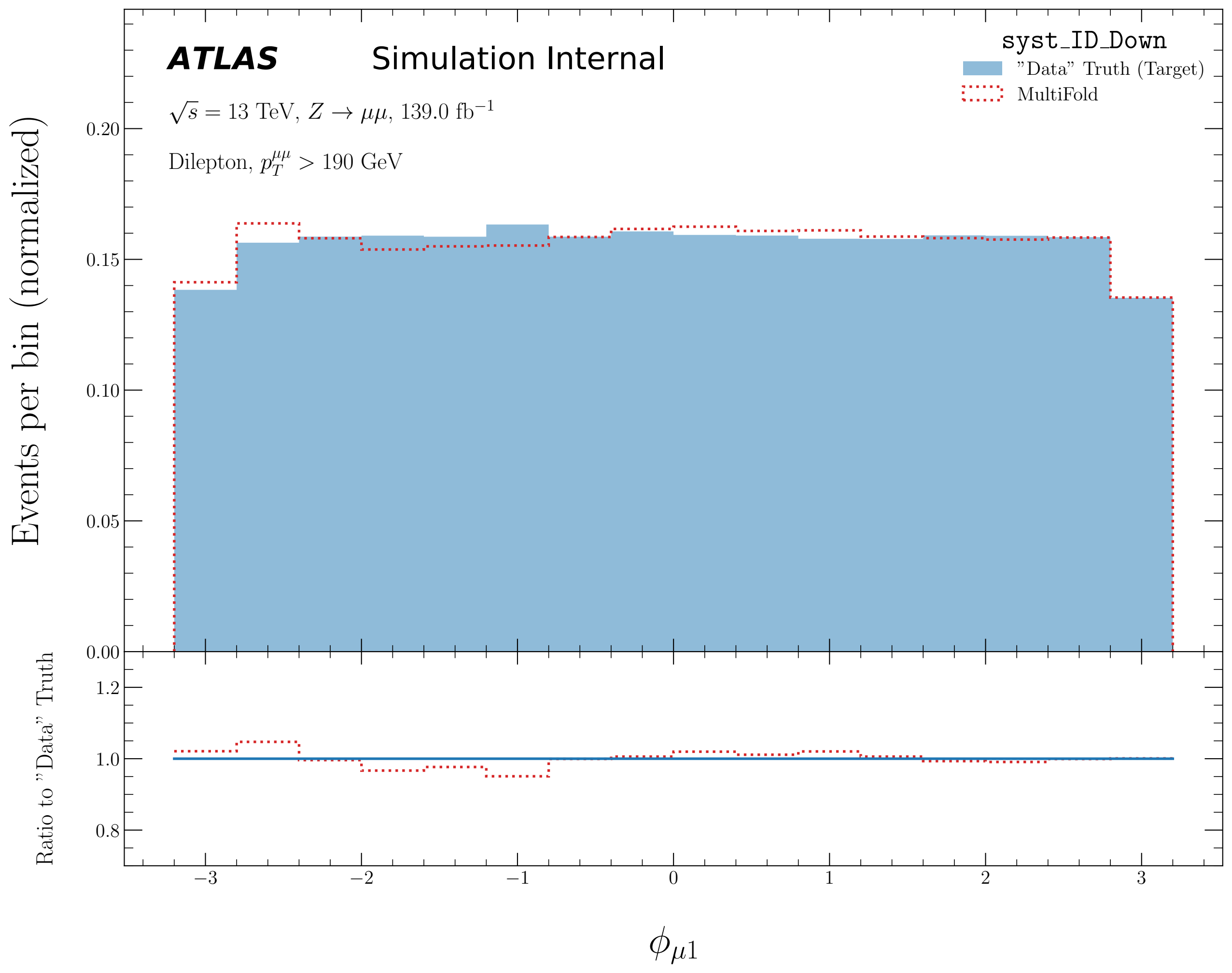


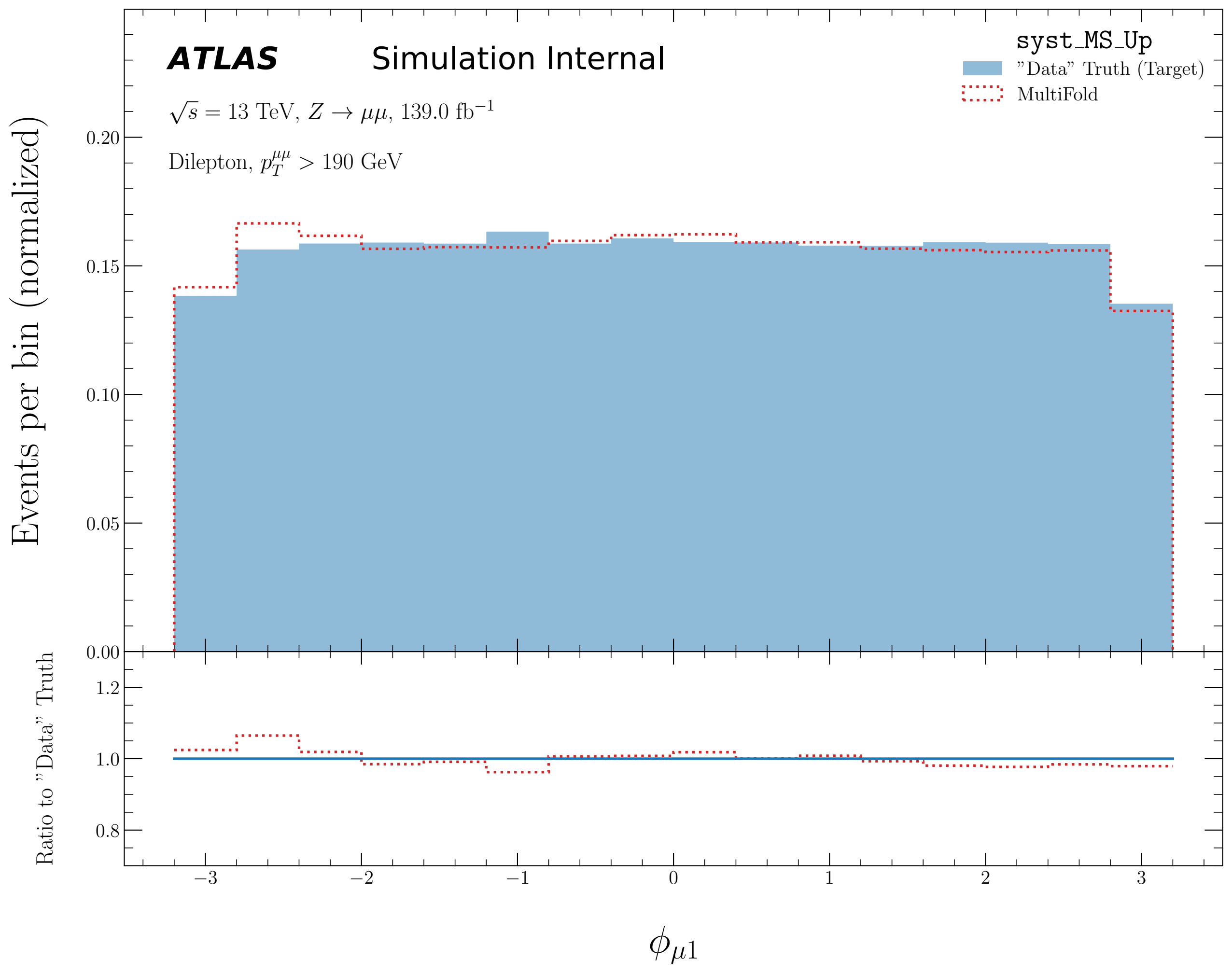


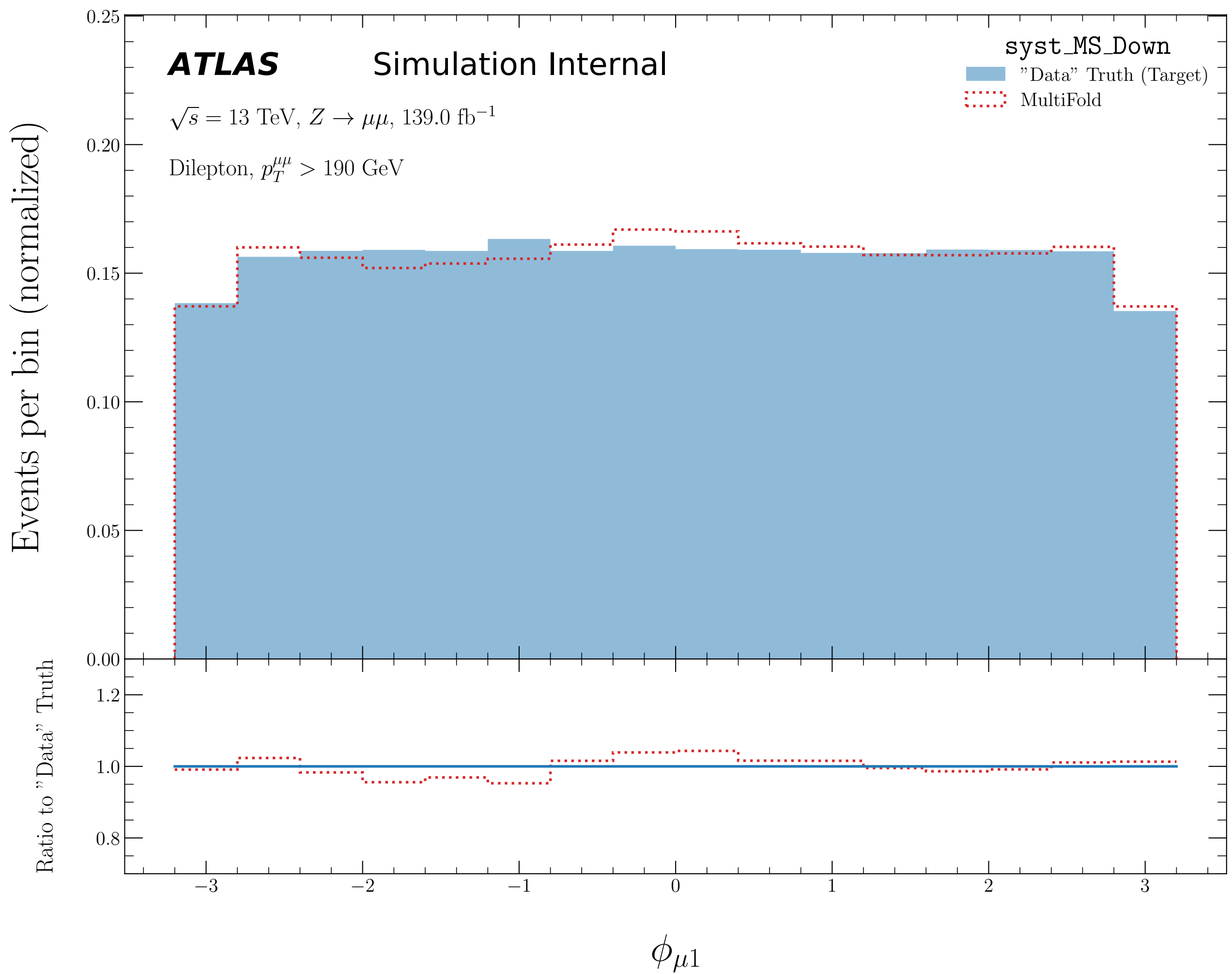


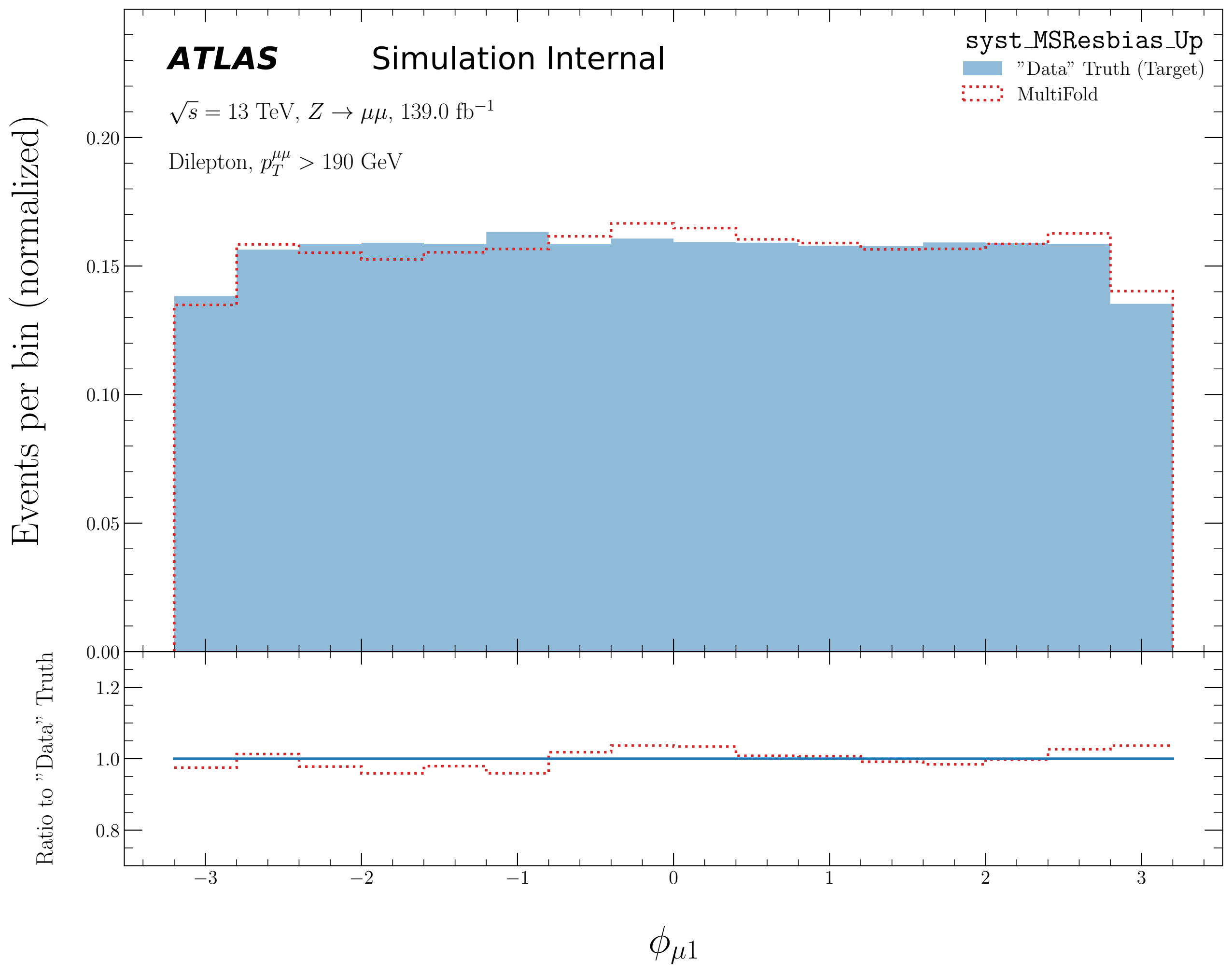


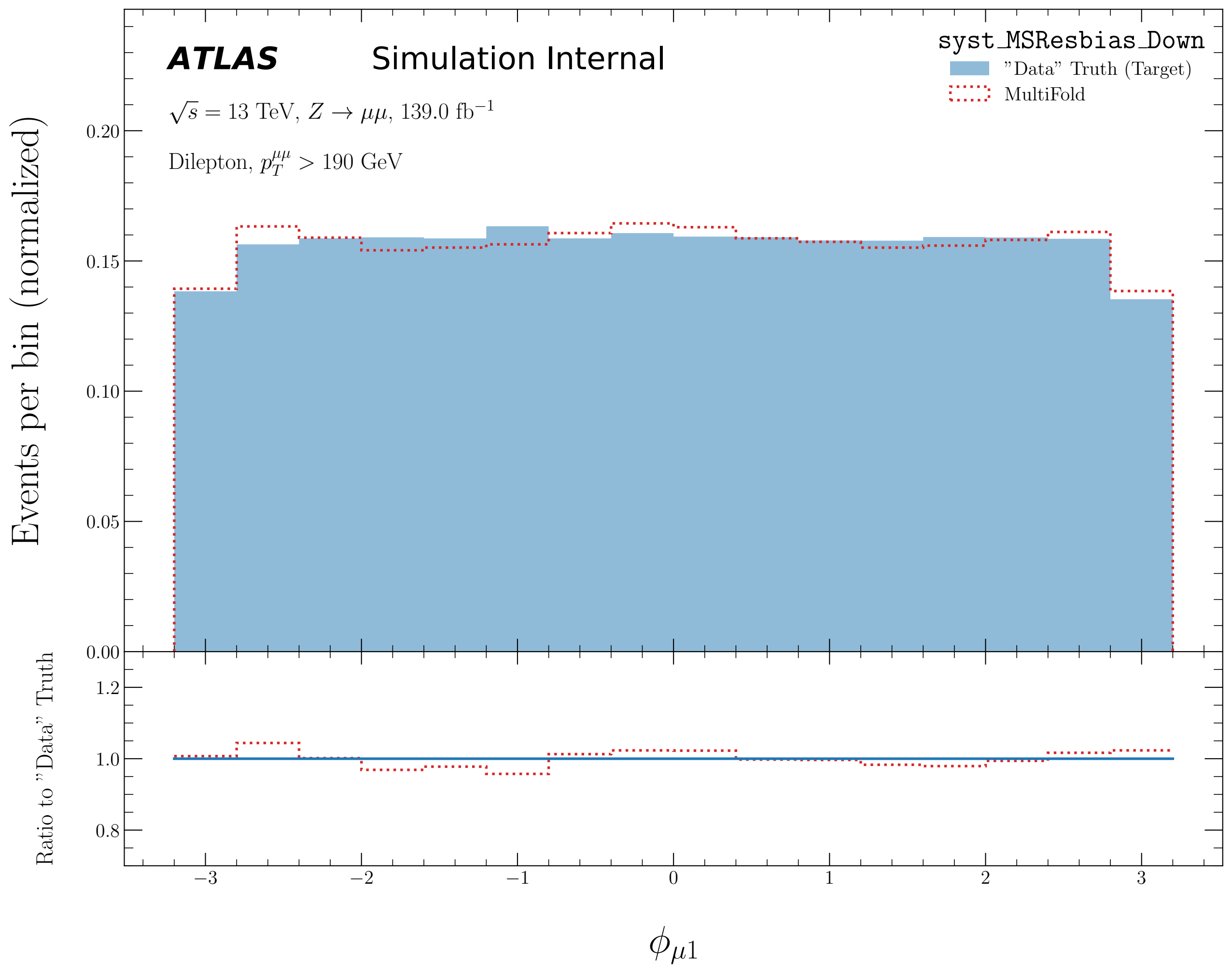


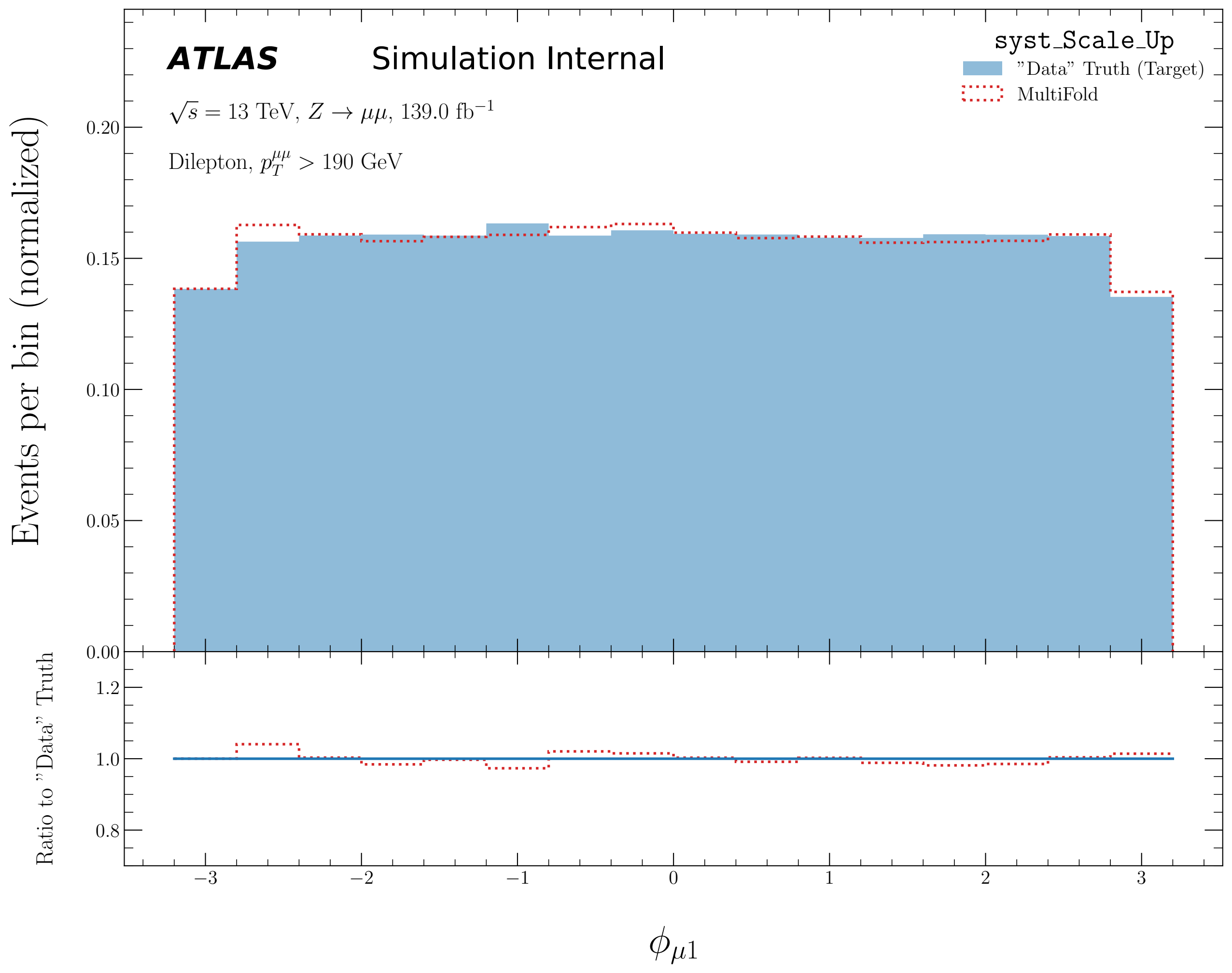


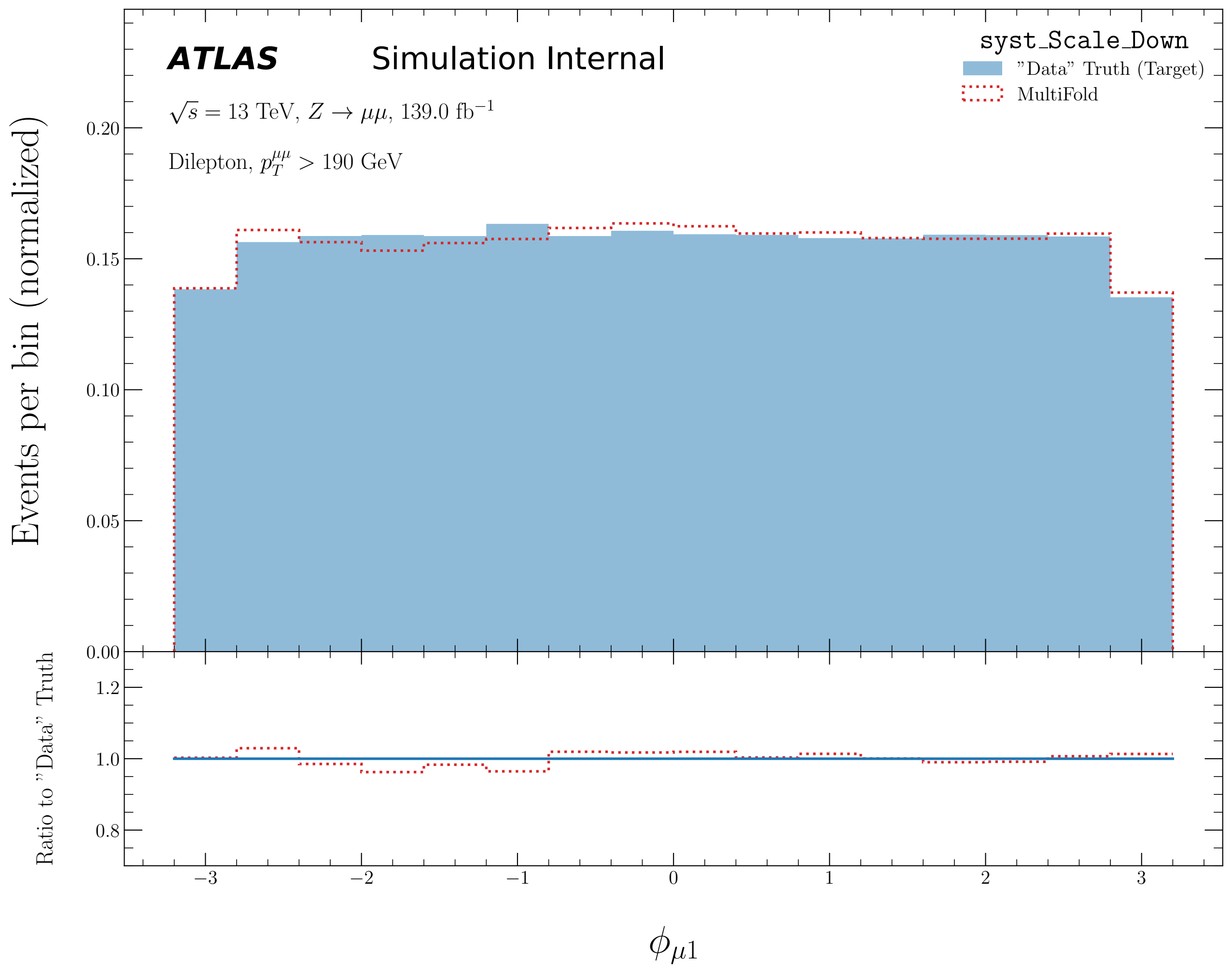


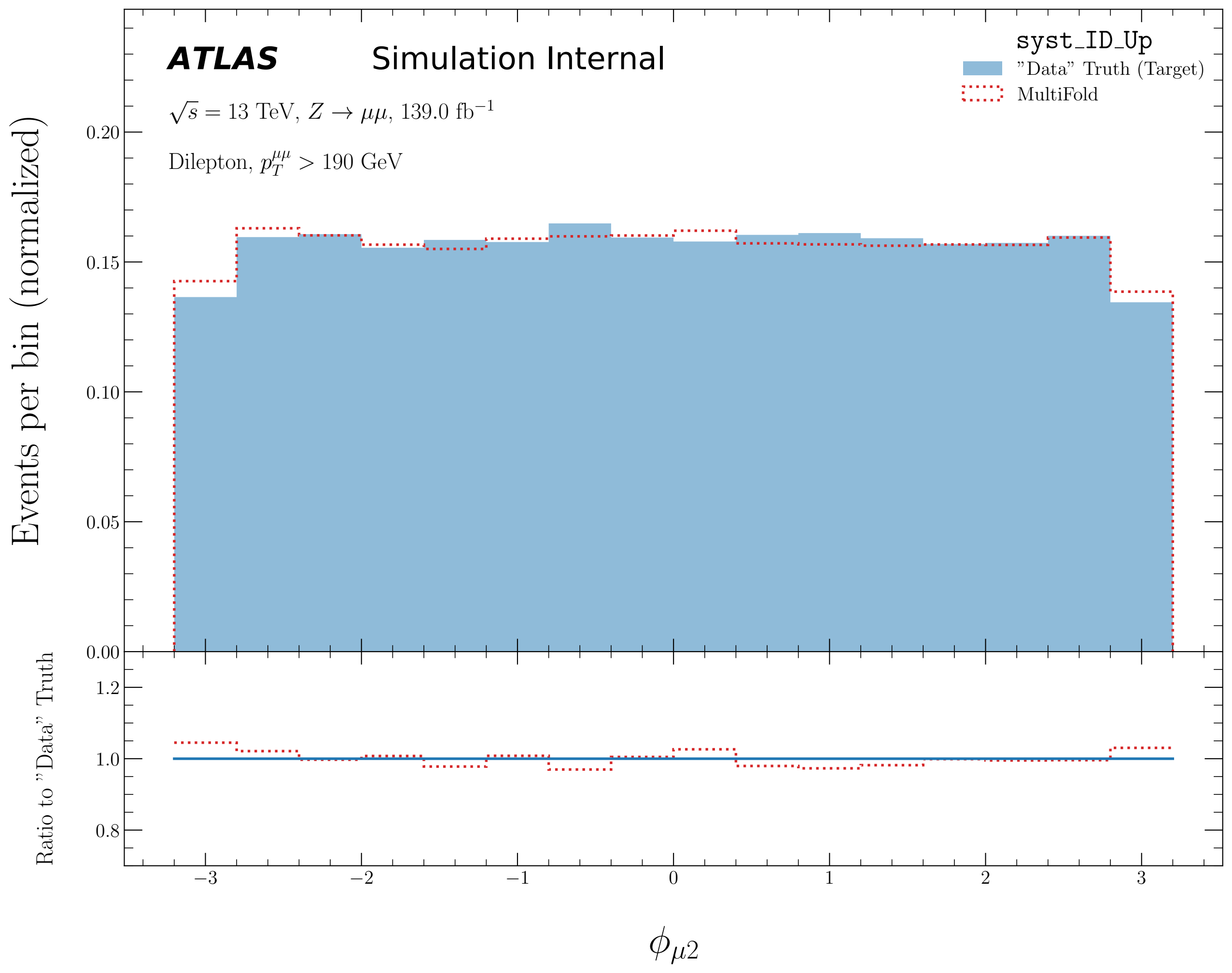


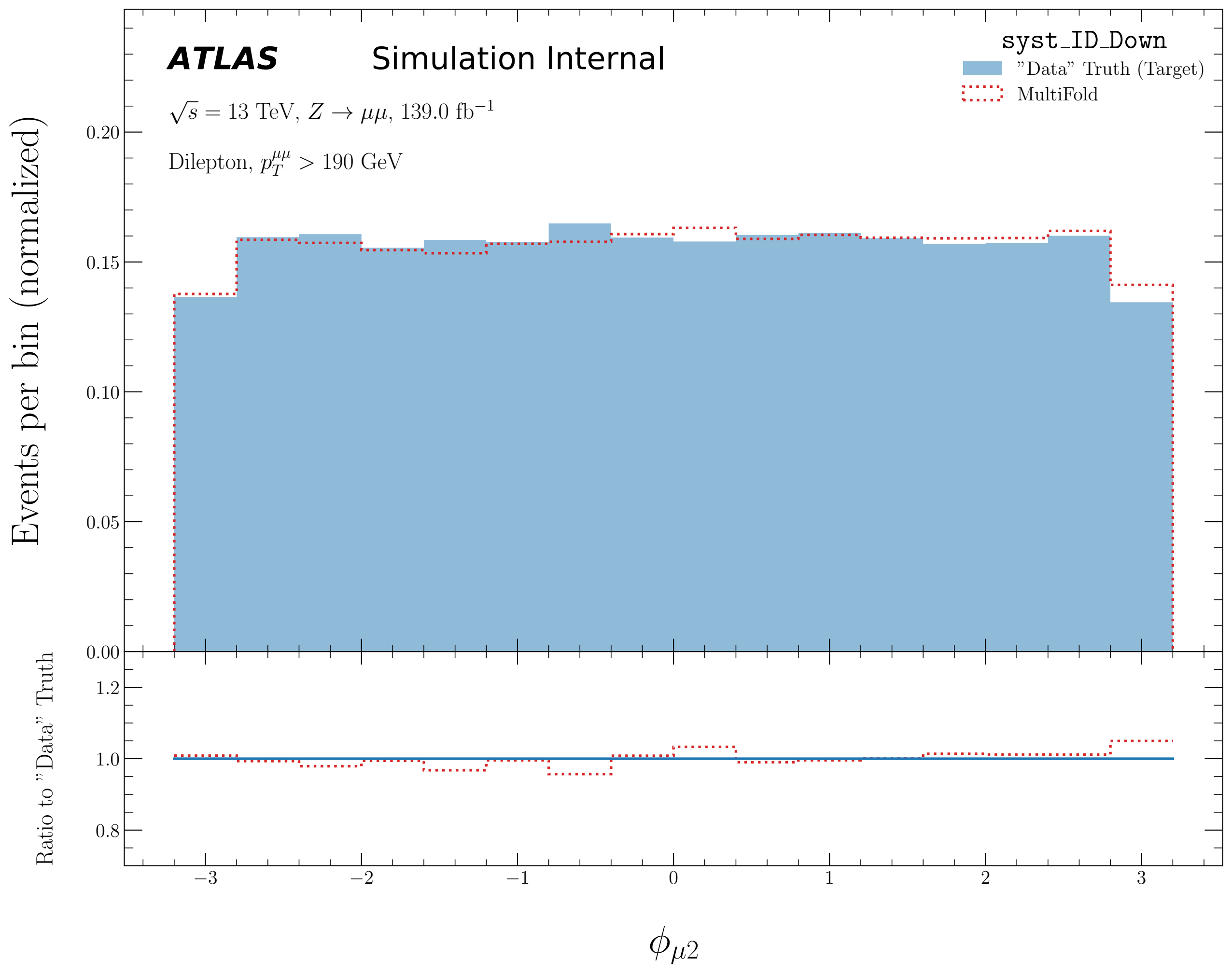












Events per bin (normalized)

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)

MultiFold

0.20

0.15

0.10

0.05

0.00

Ratio to "Data" Truth

1.2

1.0

0.8

-3

-2

-1

0

1

2

3

$\phi_{\mu 2}$

