

Events per bin (normalized)

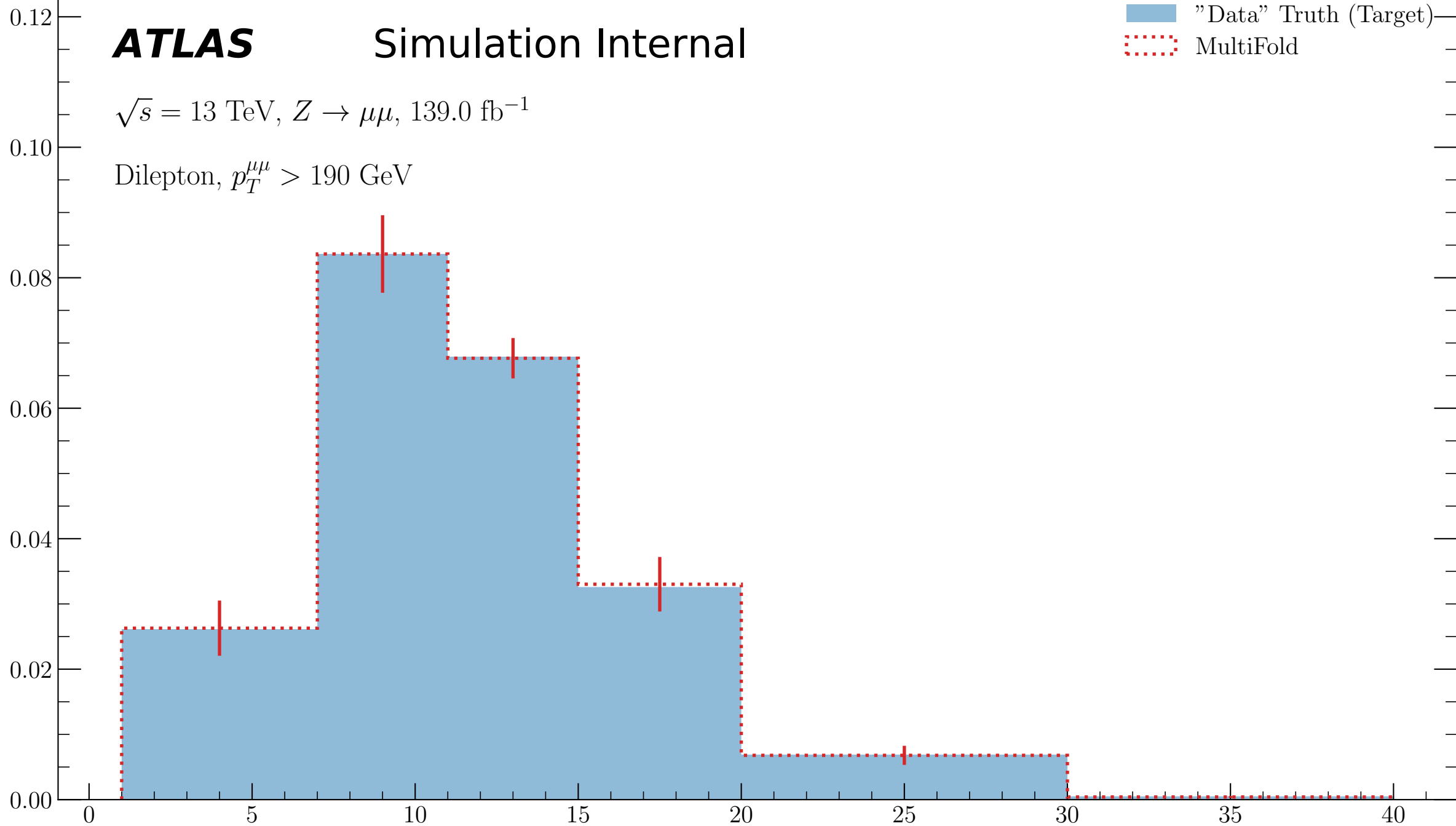
**ATLAS**

Simulation Internal

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

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

■ "Data" Truth (Target)  
▤ MultiFold



Leading track jet  $n_{\text{ch}}$

Events per bin (normalized)

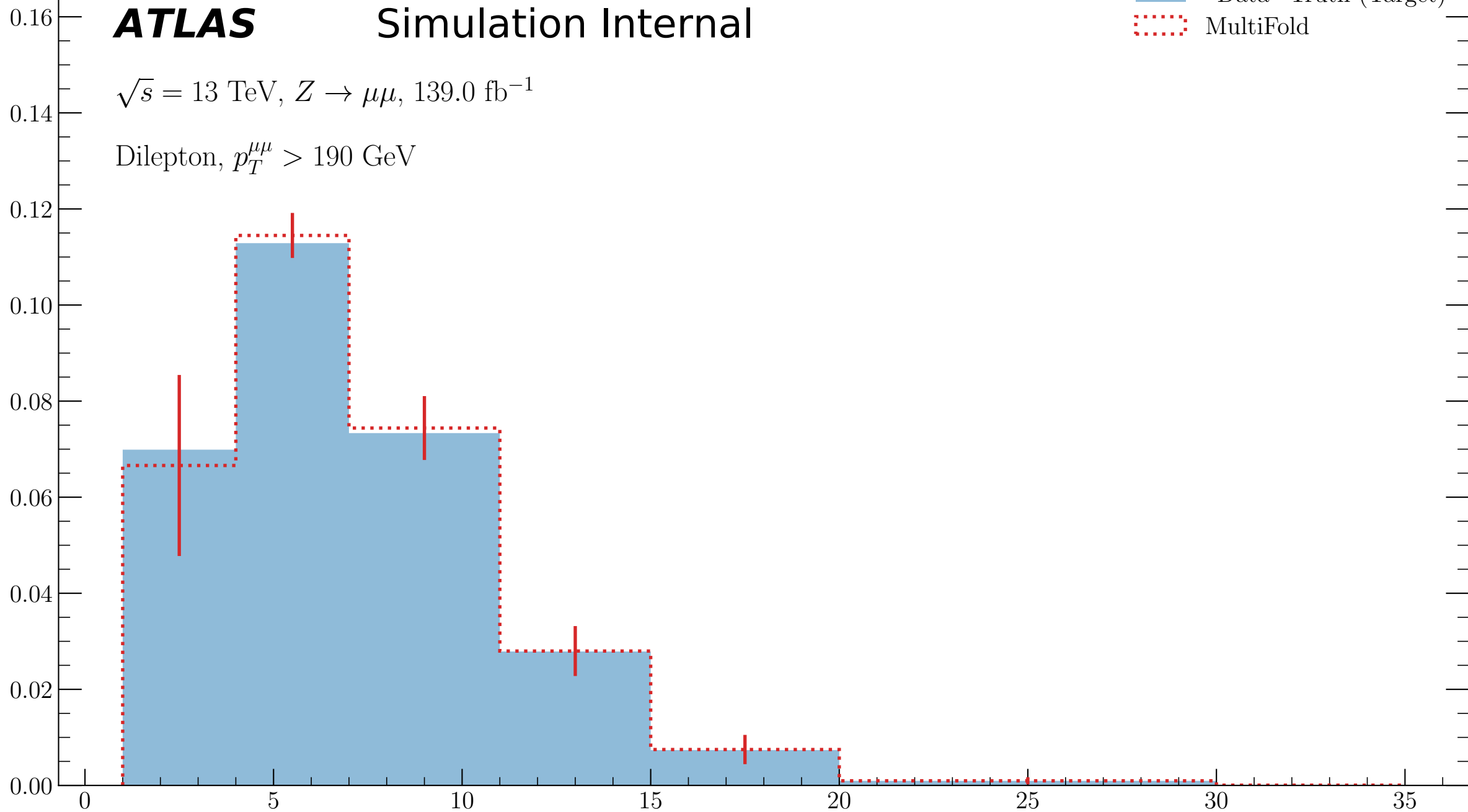
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▤ MultiFold



Subleading track jet  $n_{\text{ch}}$

Events per bin (normalized)

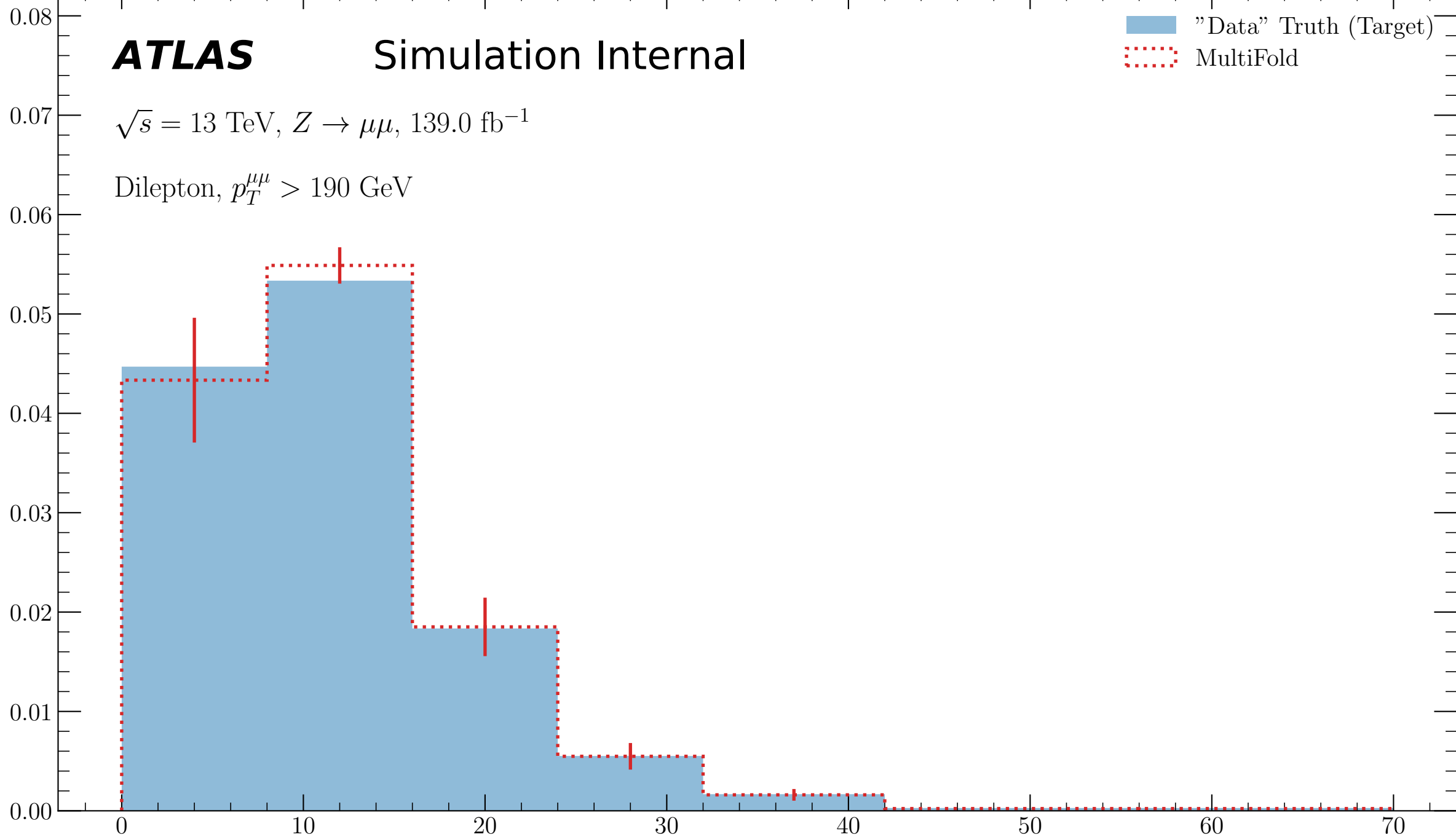
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Leading track jet  $m$  [GeV]

Events per bin (normalized)

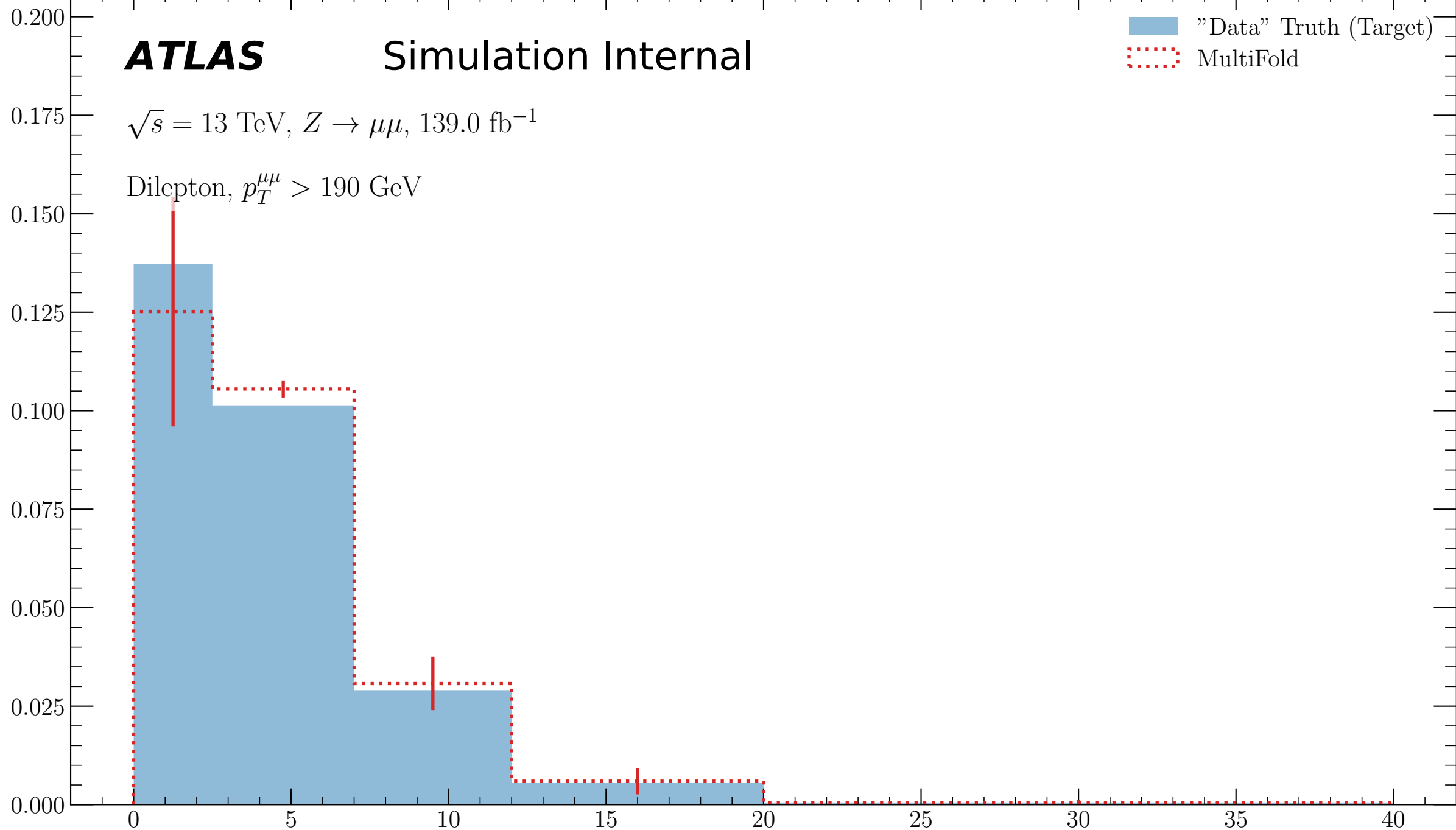
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Dilepton,  $p_T^{\mu\mu} > 190 \text{ GeV}$

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▤ MultiFold



Subleading track jet  $m$  [GeV]

Events per bin (normalized)

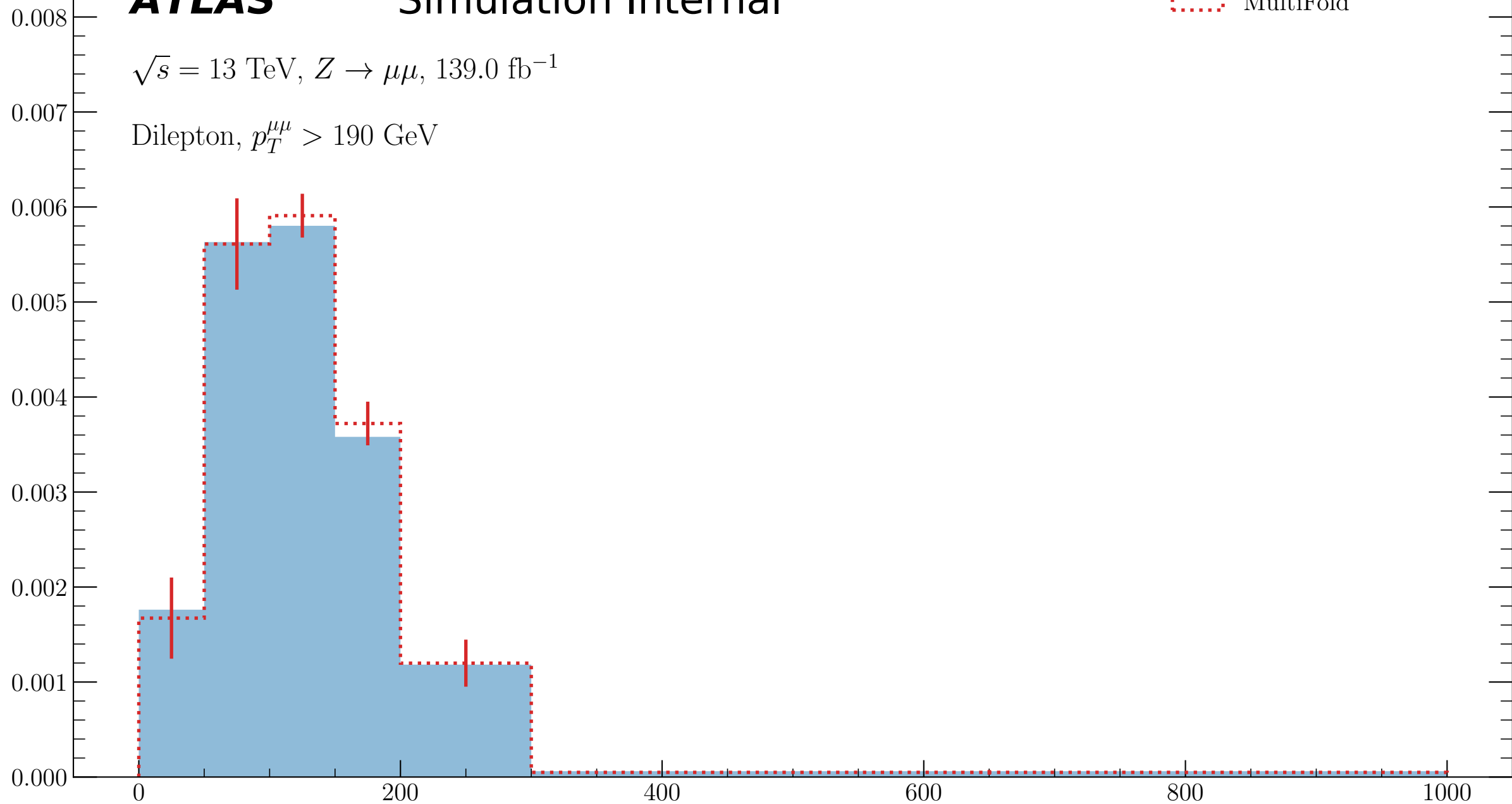
**ATLAS**

Simulation Internal

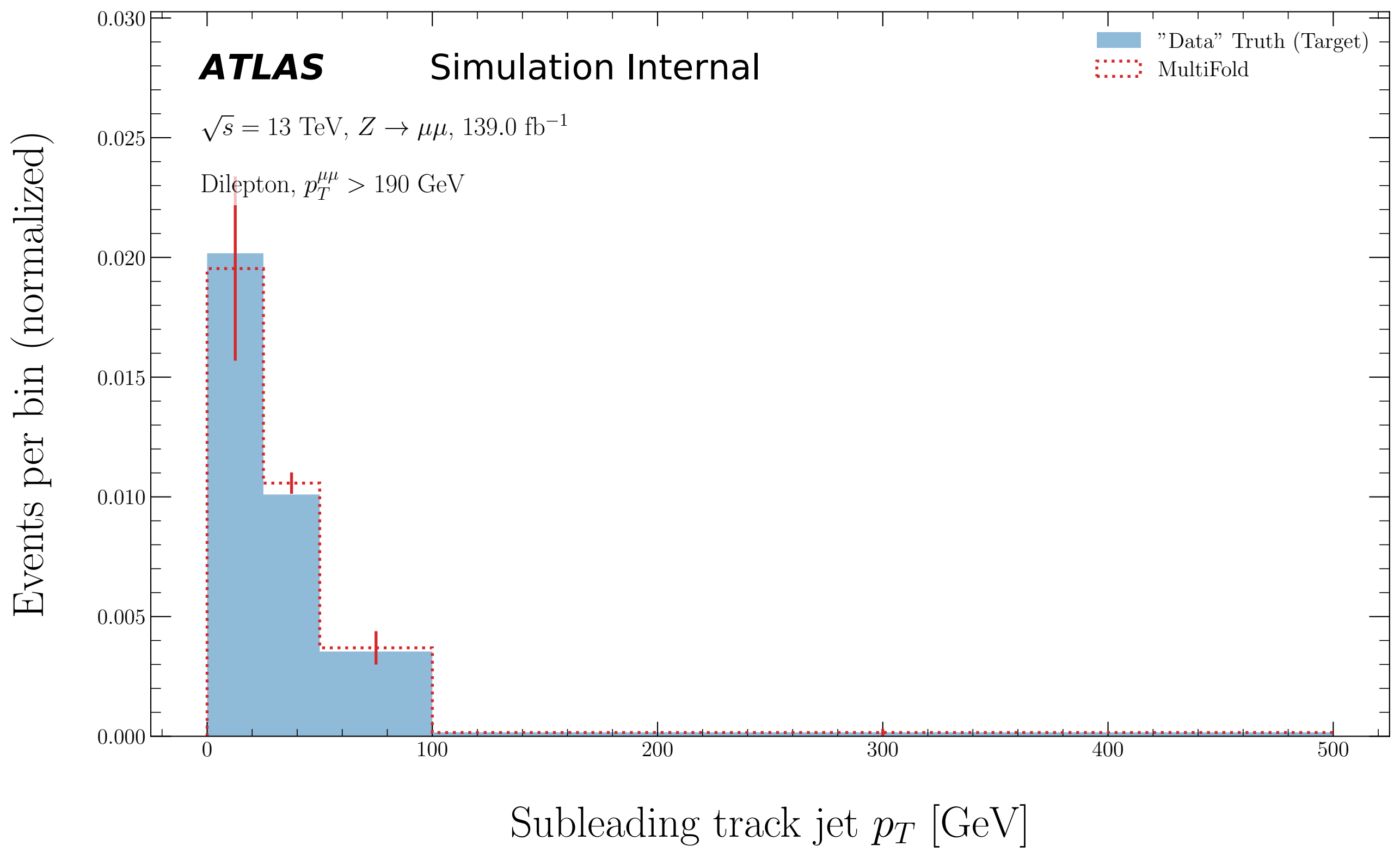
$\sqrt{s} = 13 \text{ TeV}, Z \rightarrow \mu\mu, 139.0 \text{ fb}^{-1}$

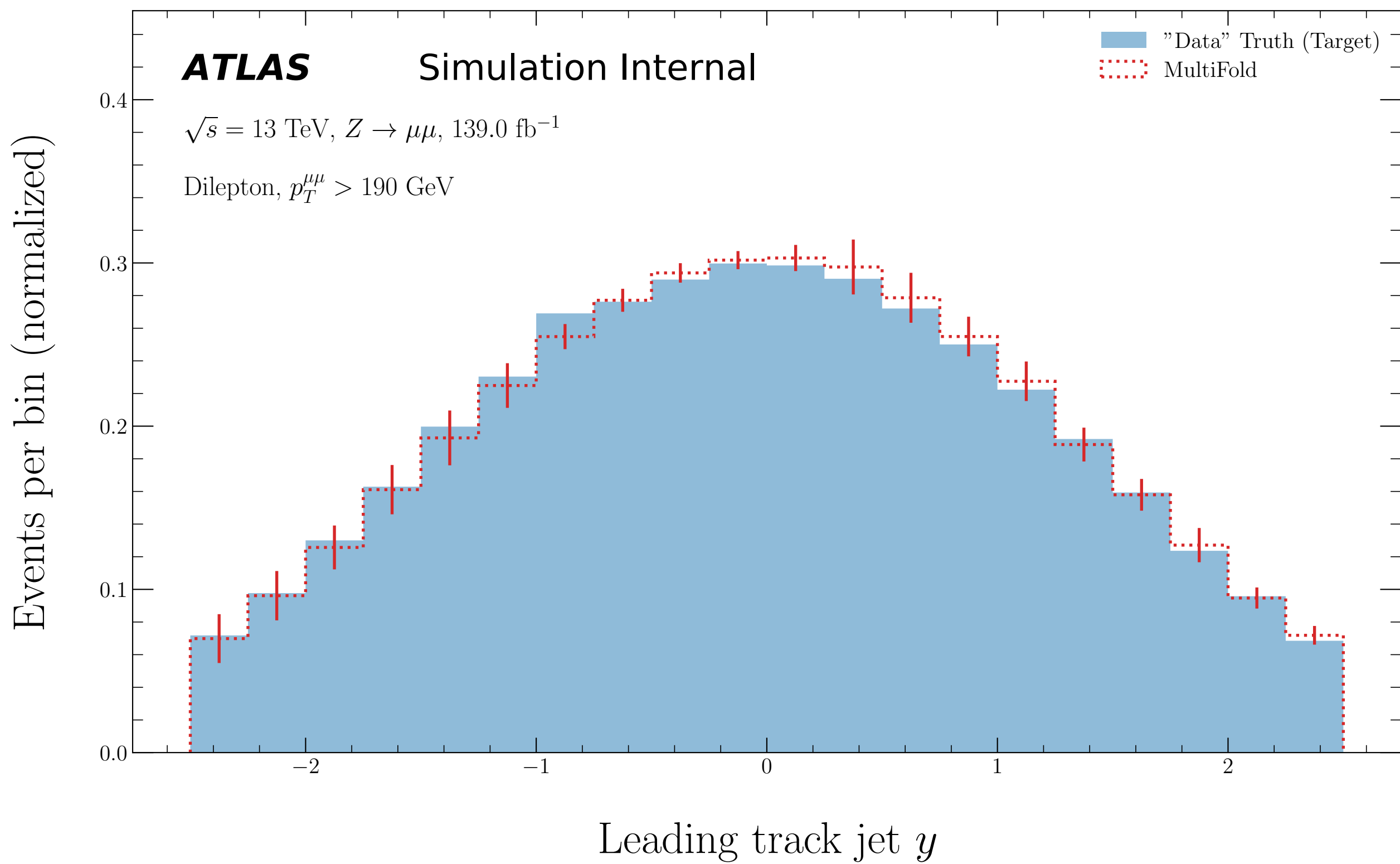
Dilepton,  $p_T^{\mu\mu} > 190 \text{ GeV}$

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Leading track jet  $p_T$  [GeV]





Events per bin (normalized)

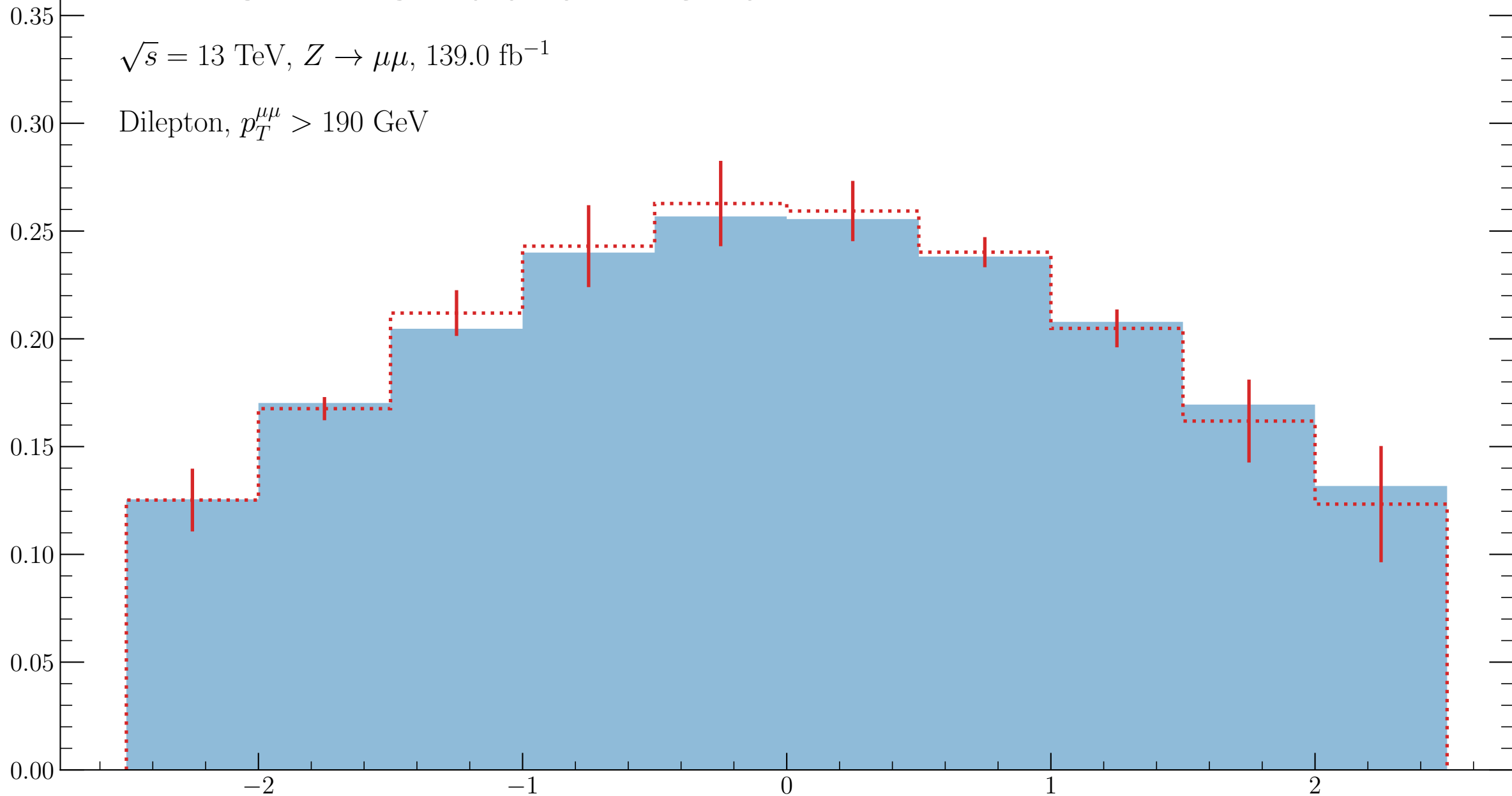
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⋯ MultiFold



Subleading track jet  $y$



Events per bin (normalized)

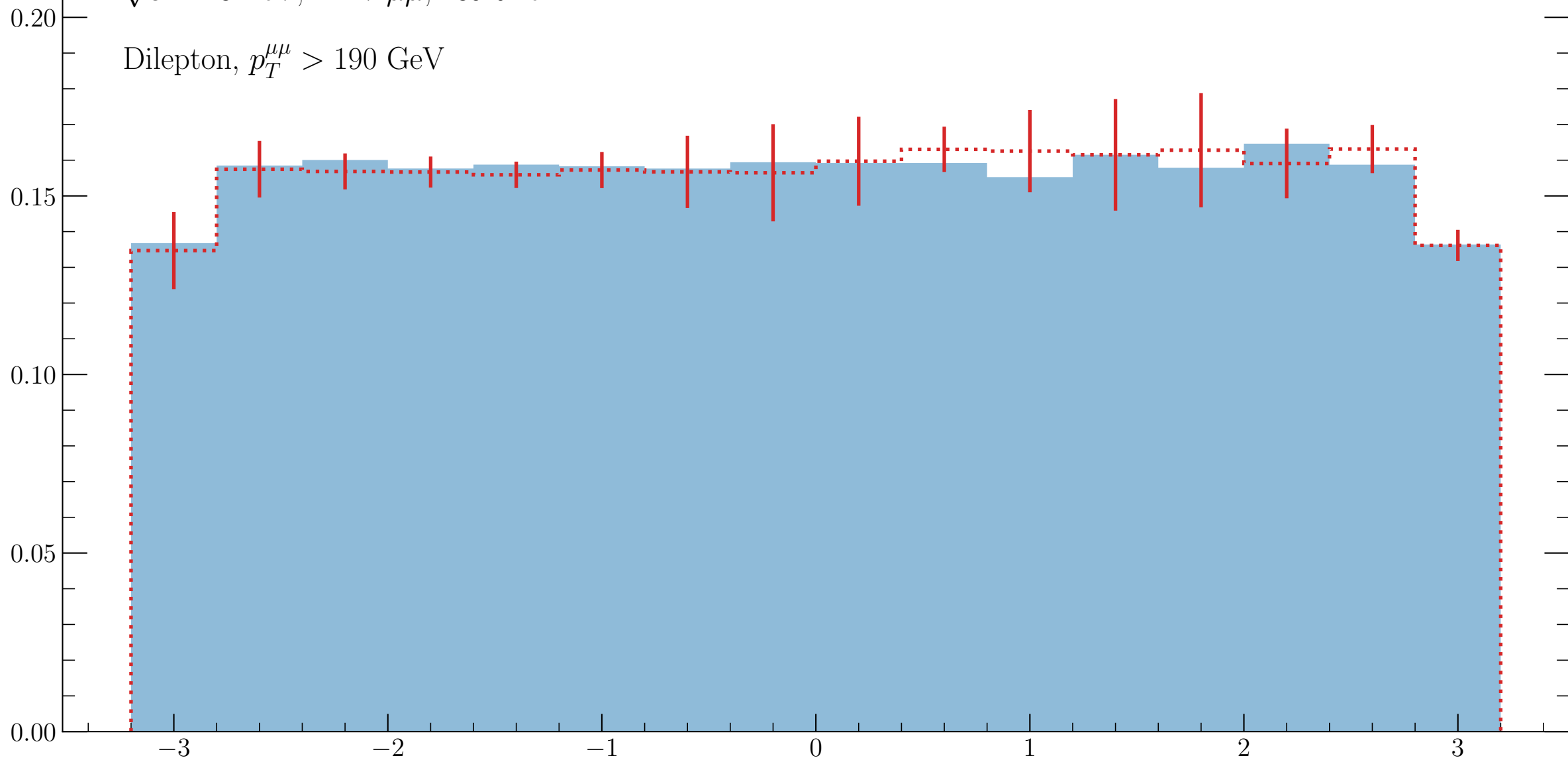
**ATLAS**

Simulation Internal

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

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

■ "Data" Truth (Target)  
⋯ MultiFold



Leading track jet  $\phi$

Events per bin (normalized)

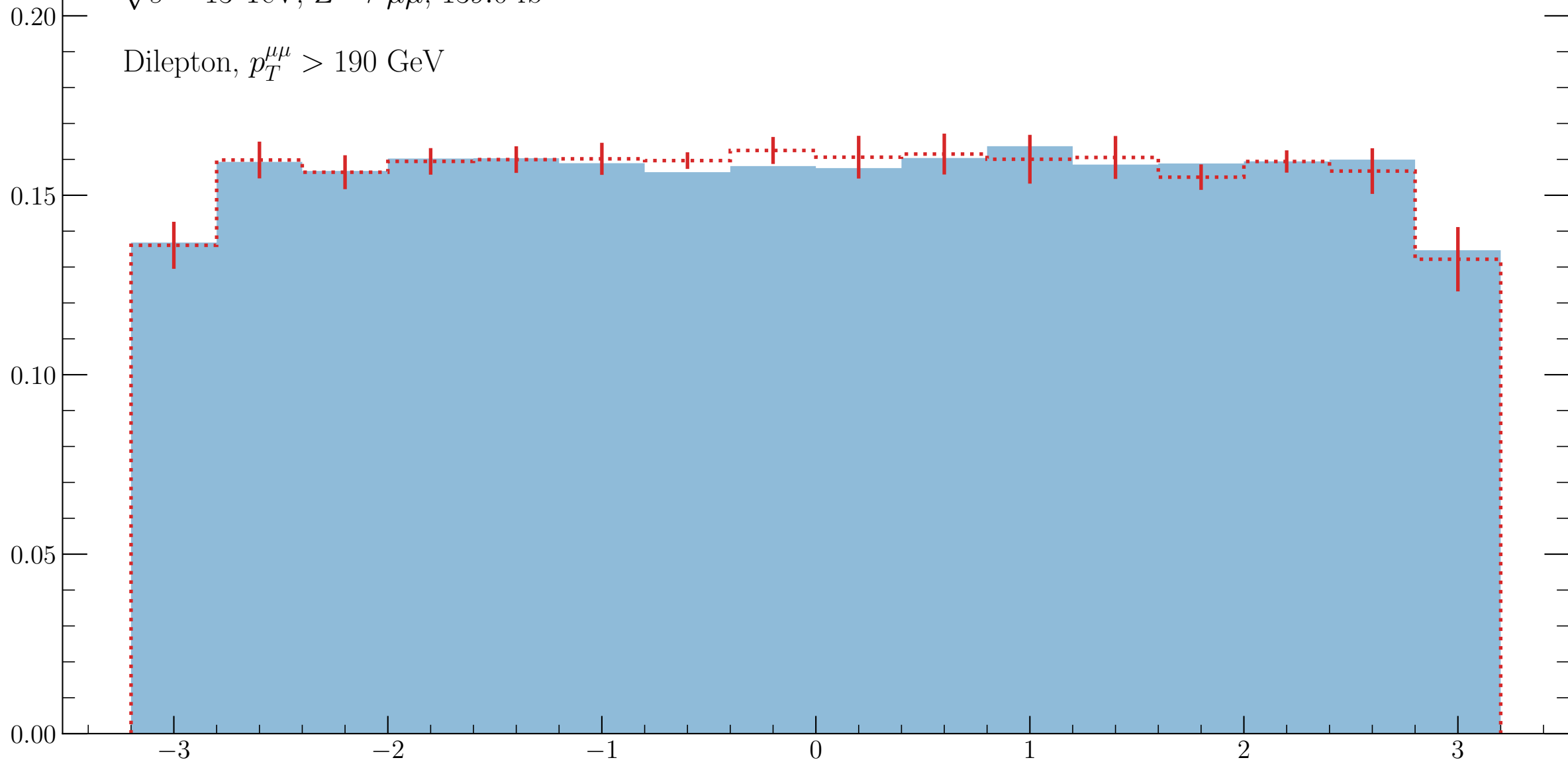
**ATLAS**

Simulation Internal

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

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

■ "Data" Truth (Target)  
⋯ MultiFold



Subleading track jet  $\phi$

Events per bin (normalized)

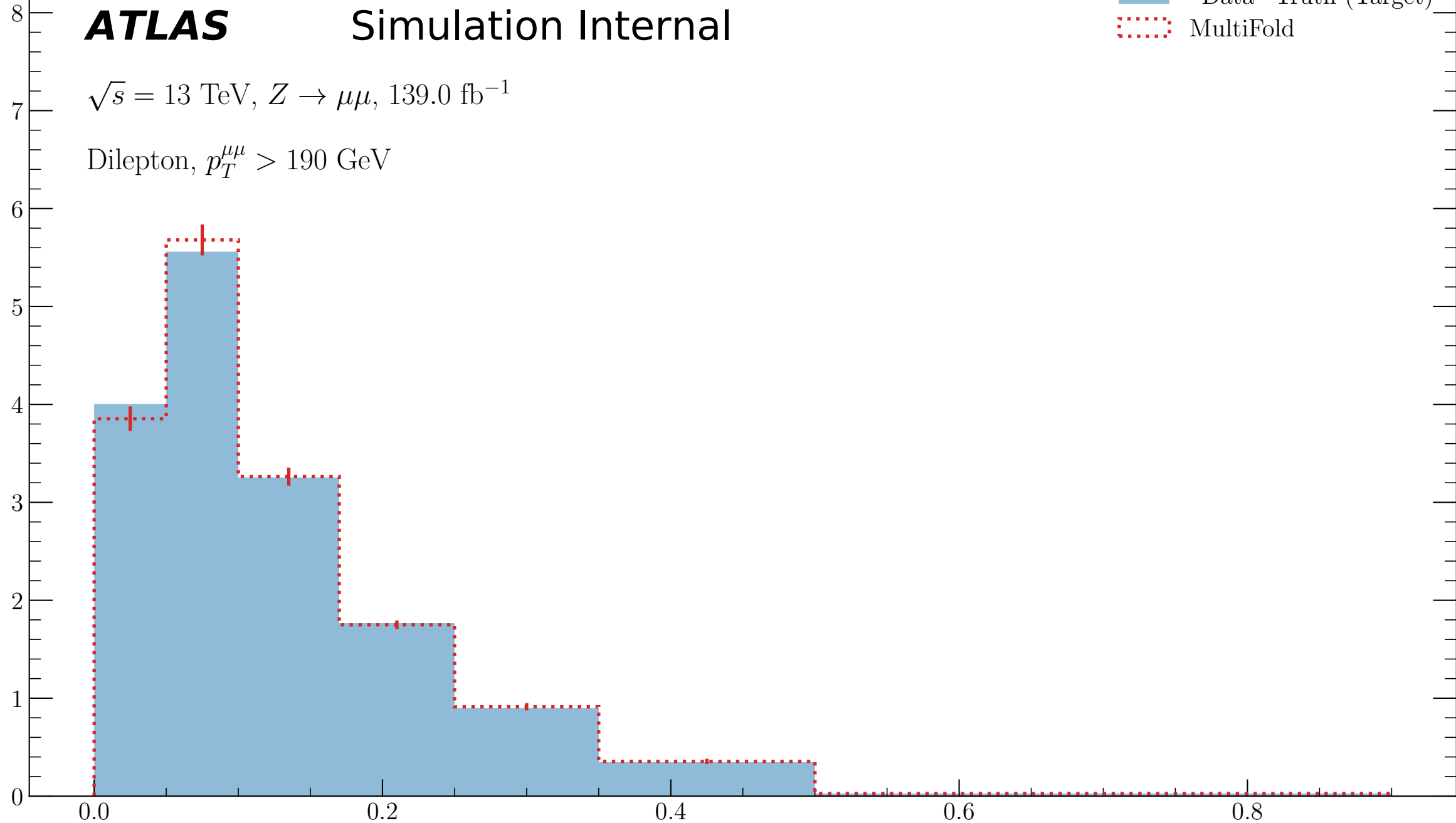
**ATLAS**

Simulation Internal

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

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

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▤ MultiFold



Leading track jet  $\tau_1$

Events per bin (normalized)

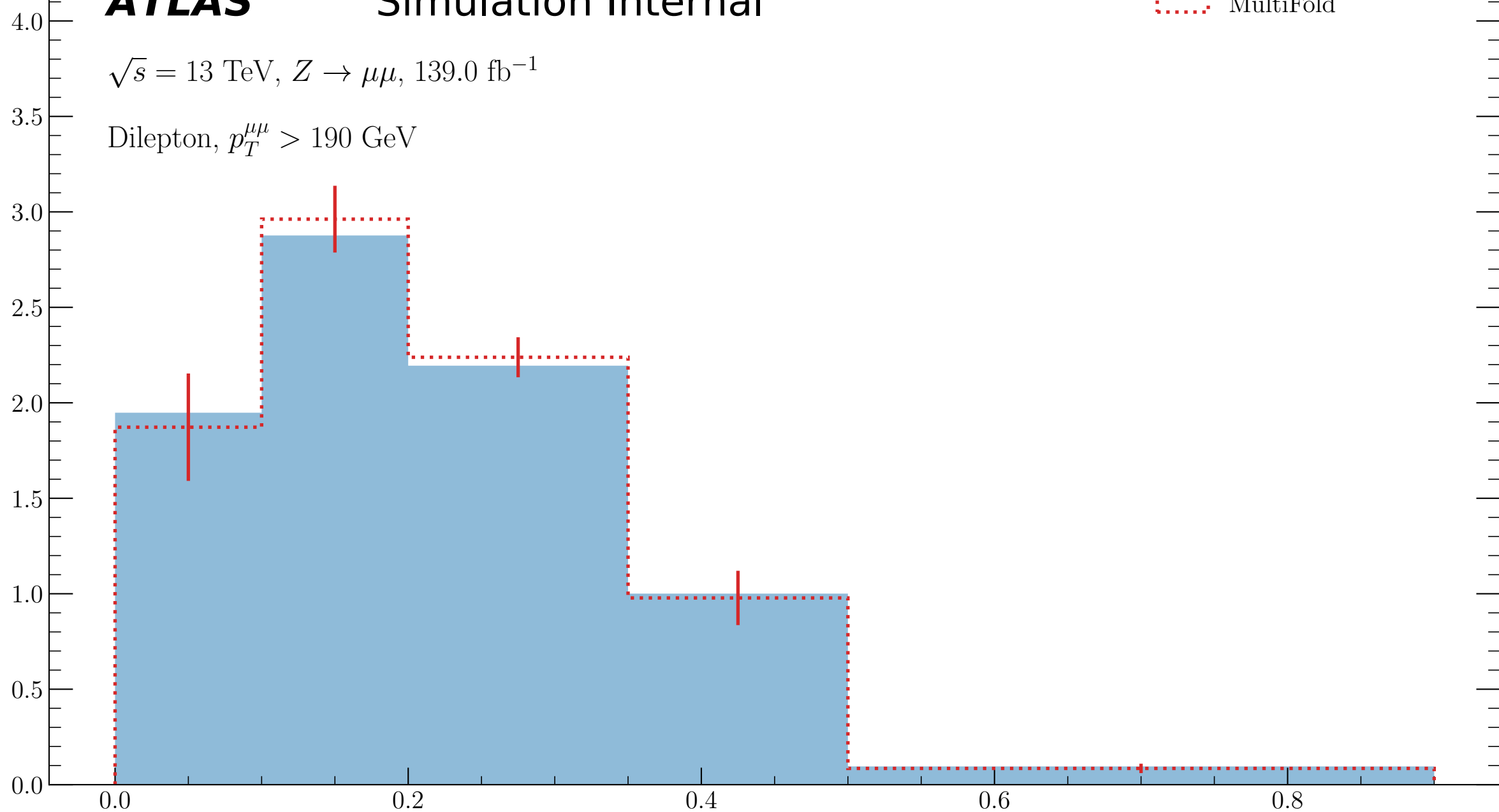
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Simulation Internal

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

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▤ MultiFold



Subleading track jet  $\tau_1$

Events per bin (normalized)

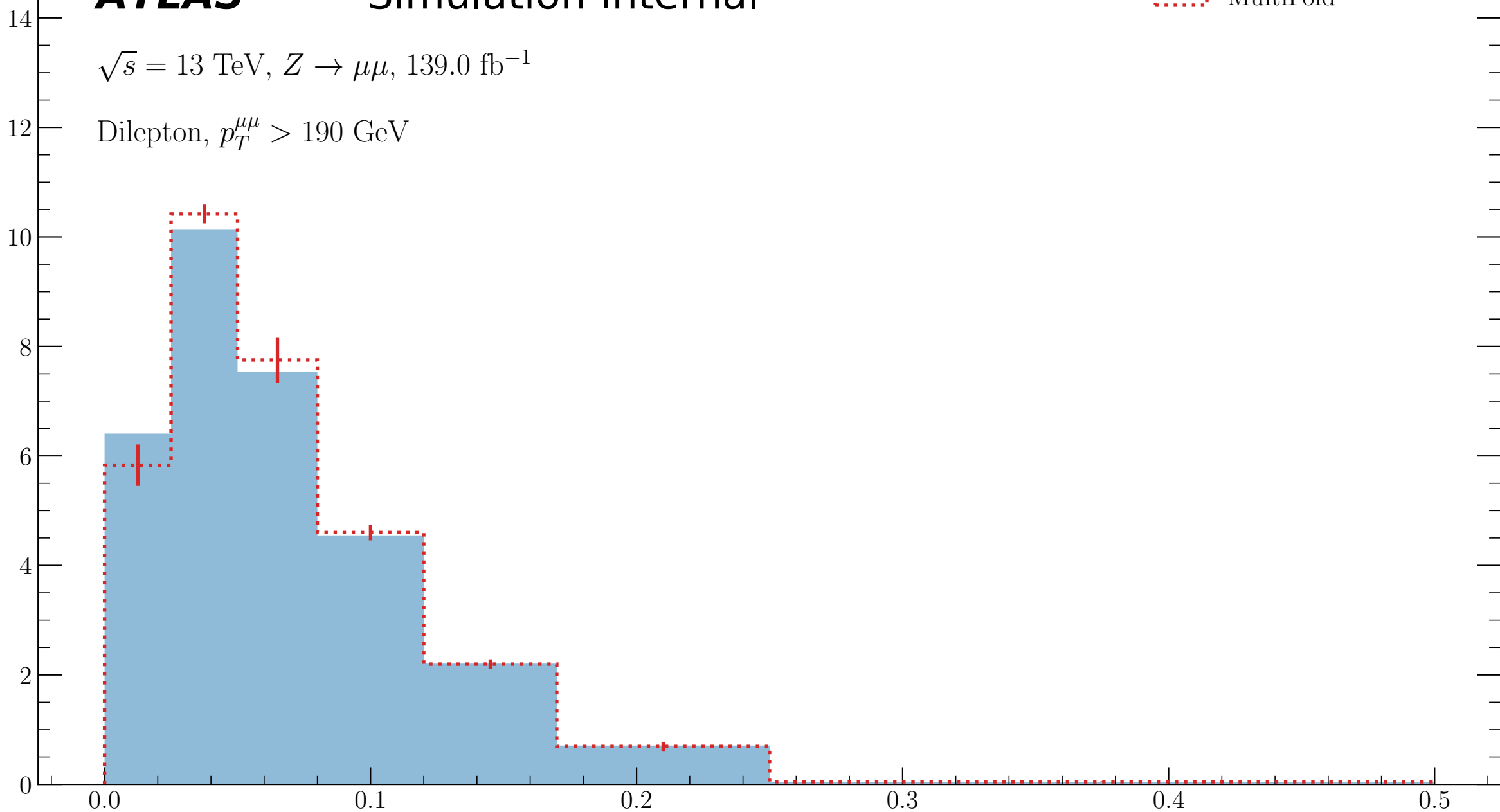
**ATLAS**

Simulation Internal

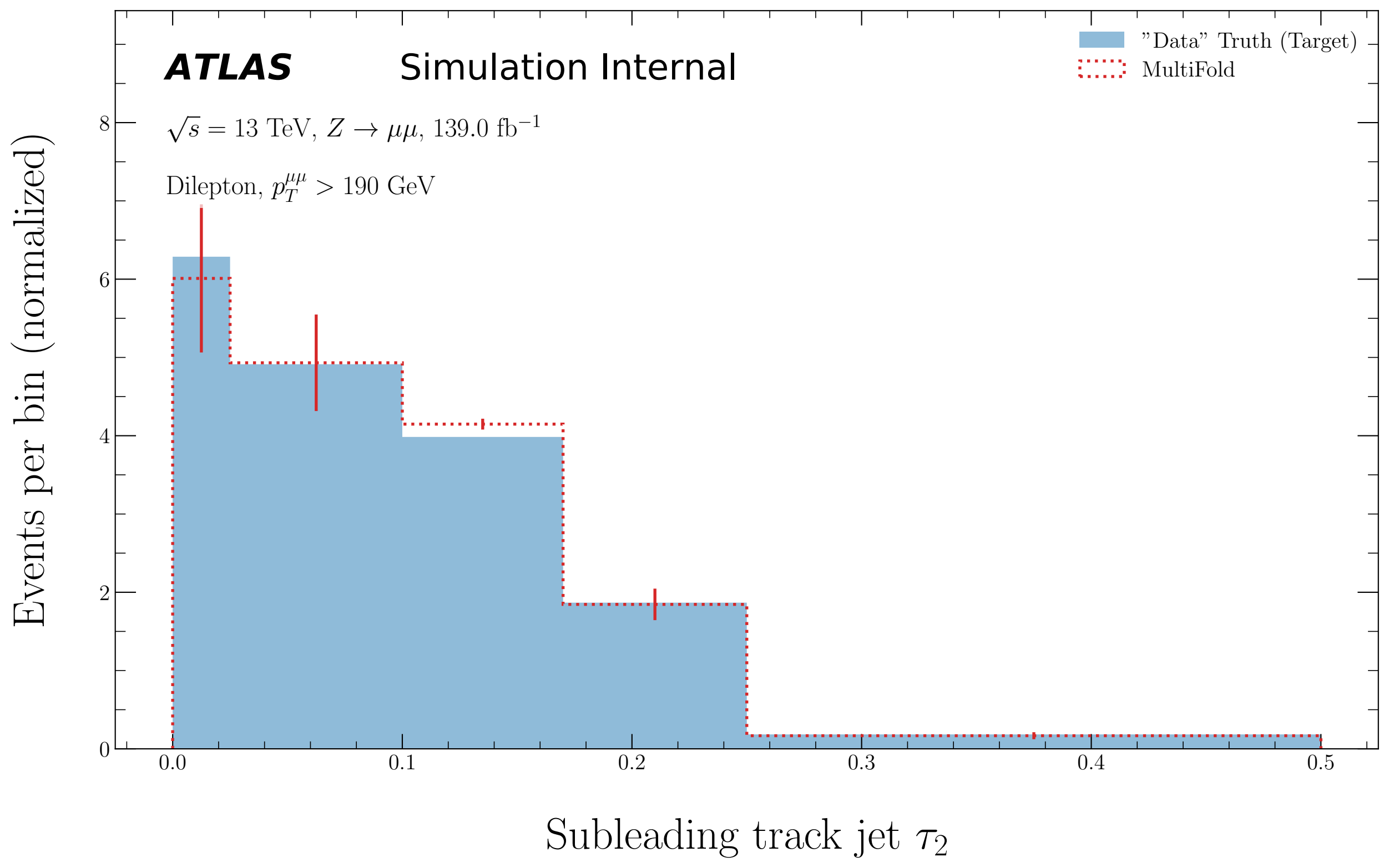
$\sqrt{s} = 13 \text{ TeV}, Z \rightarrow \mu\mu, 139.0 \text{ fb}^{-1}$

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

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▤ MultiFold



Leading track jet  $\tau_2$



Events per bin (normalized)

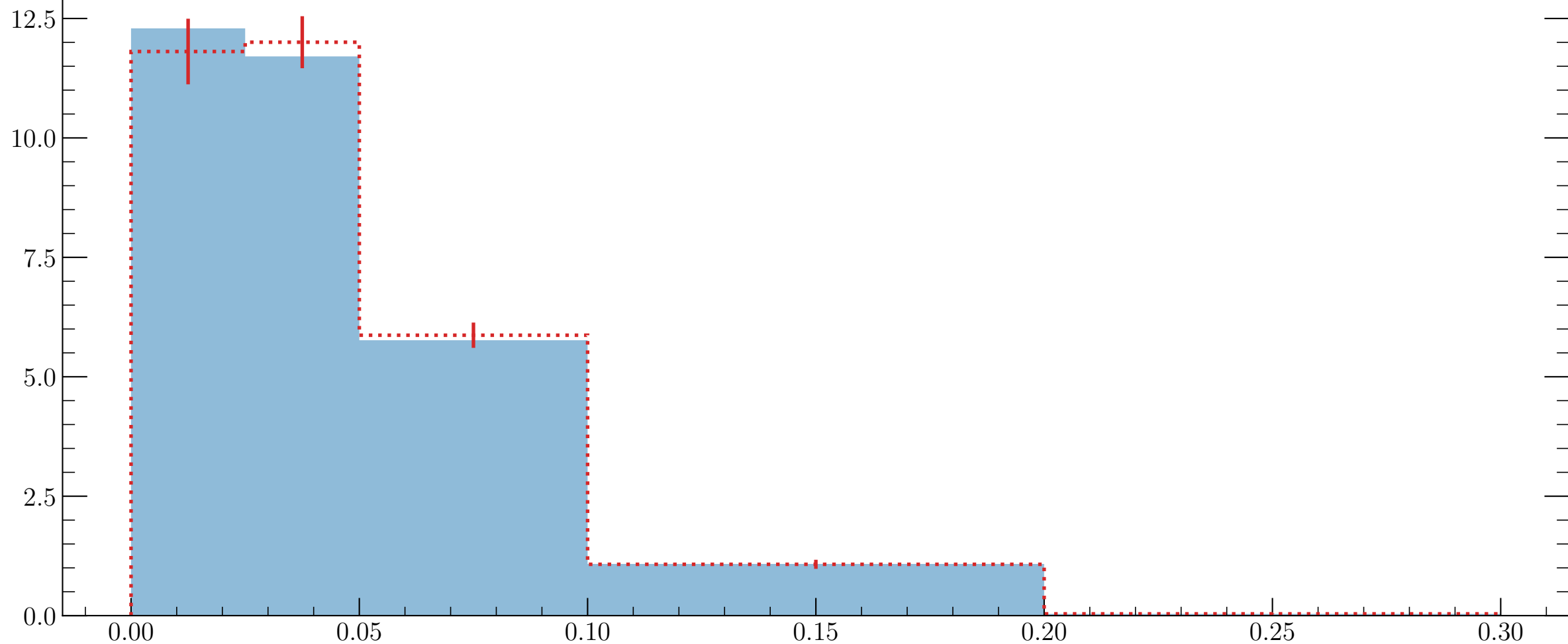
**ATLAS**

Simulation Internal

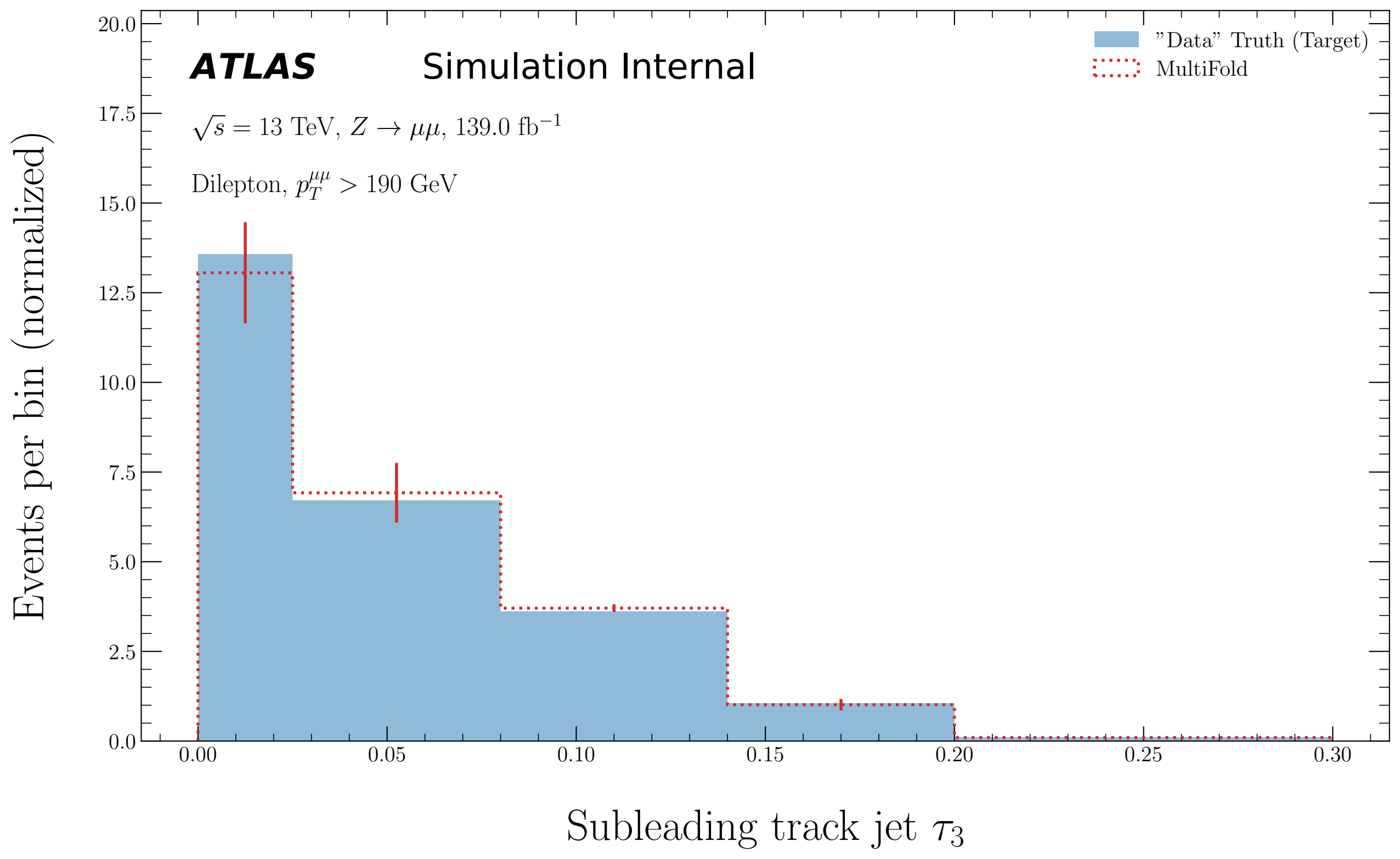
$\sqrt{s} = 13 \text{ TeV}, Z \rightarrow \mu\mu, 139.0 \text{ fb}^{-1}$

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

■ "Data" Truth (Target)  
▤ MultiFold



Leading track jet  $\tau_3$





Events per bin (normalized)

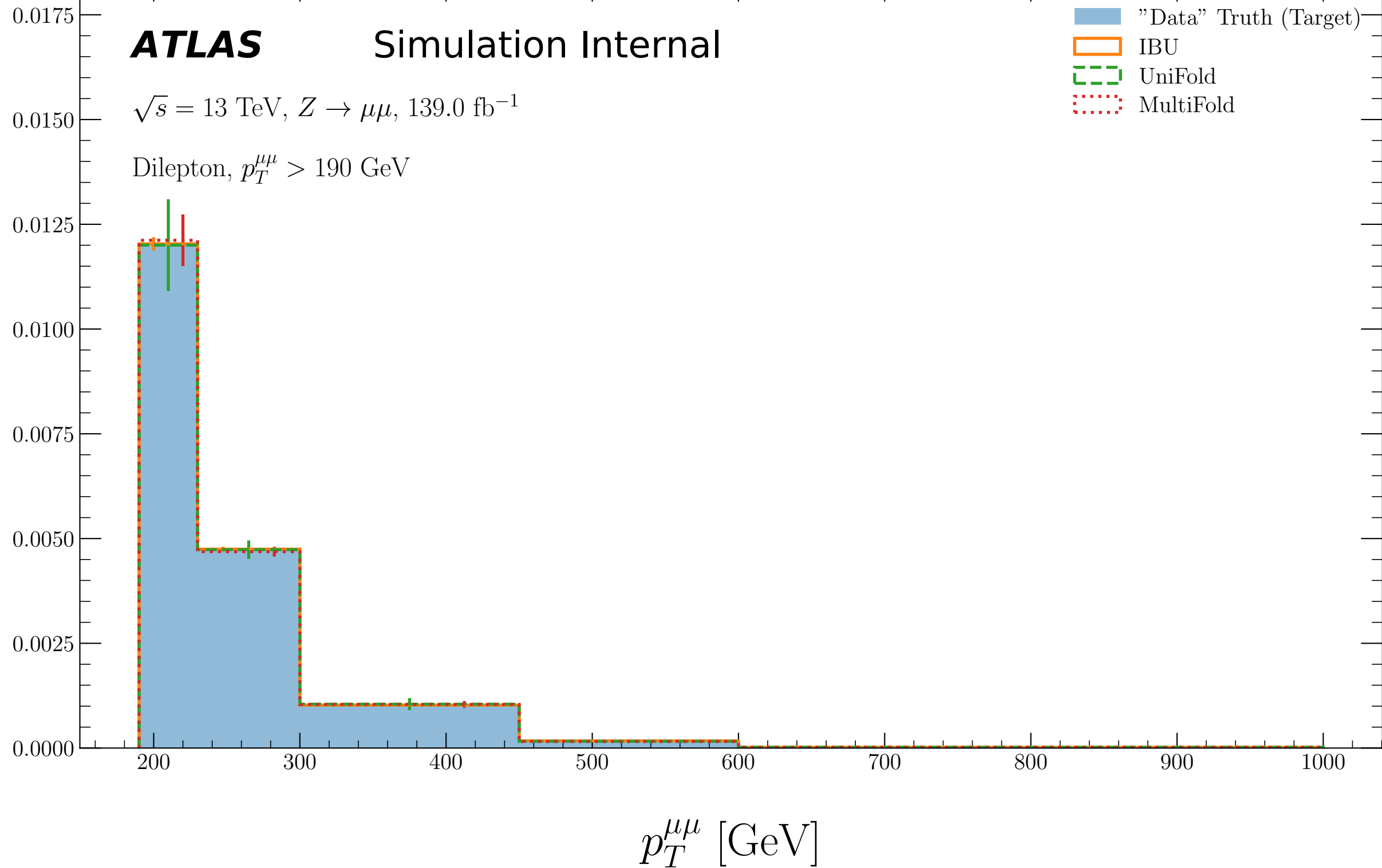
**ATLAS**

Simulation Internal

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

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

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



Events per bin (normalized)

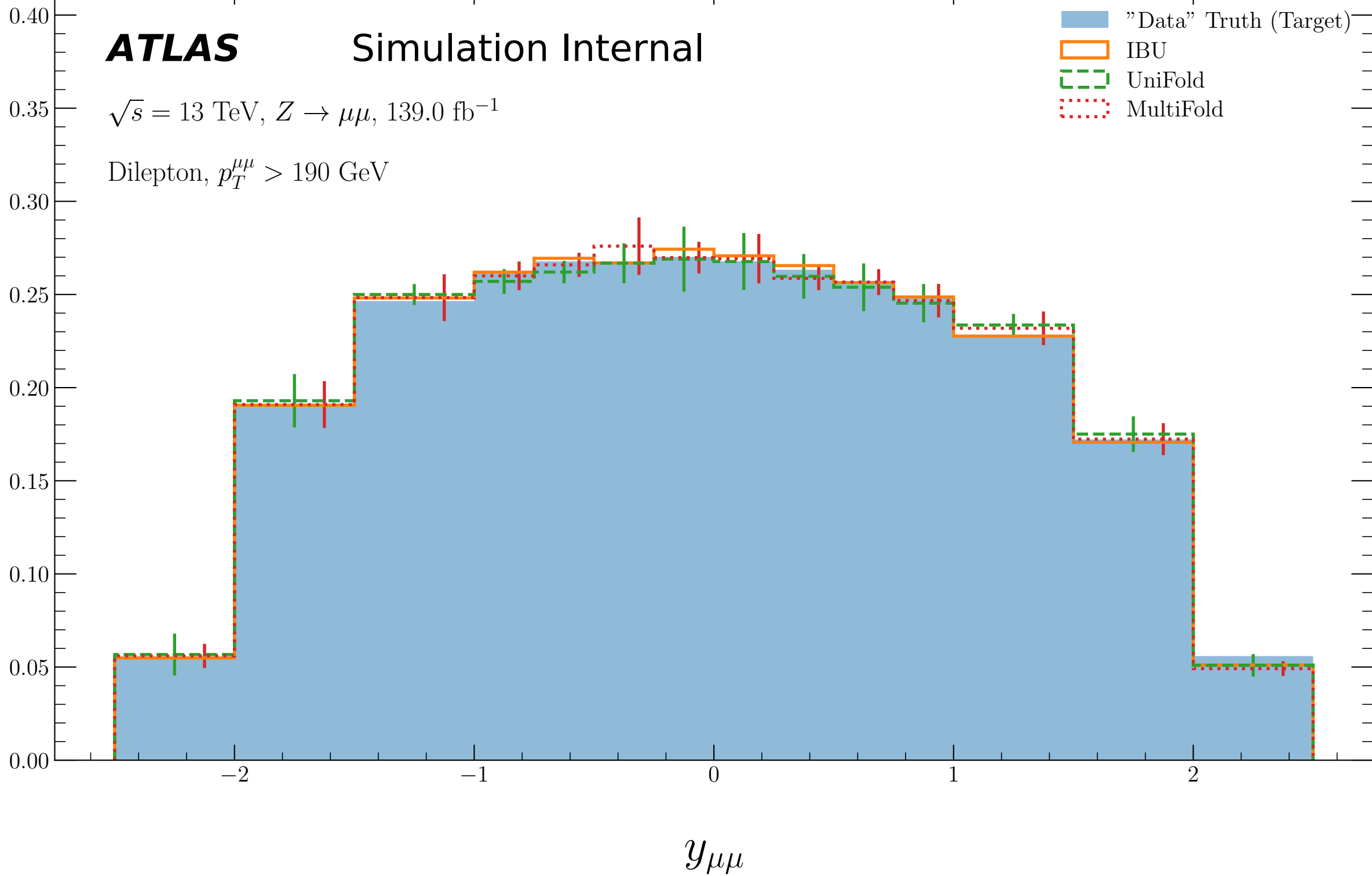
**ATLAS**

Simulation Internal

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

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

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- UniFold
- MultiFold



Events per bin (normalized)

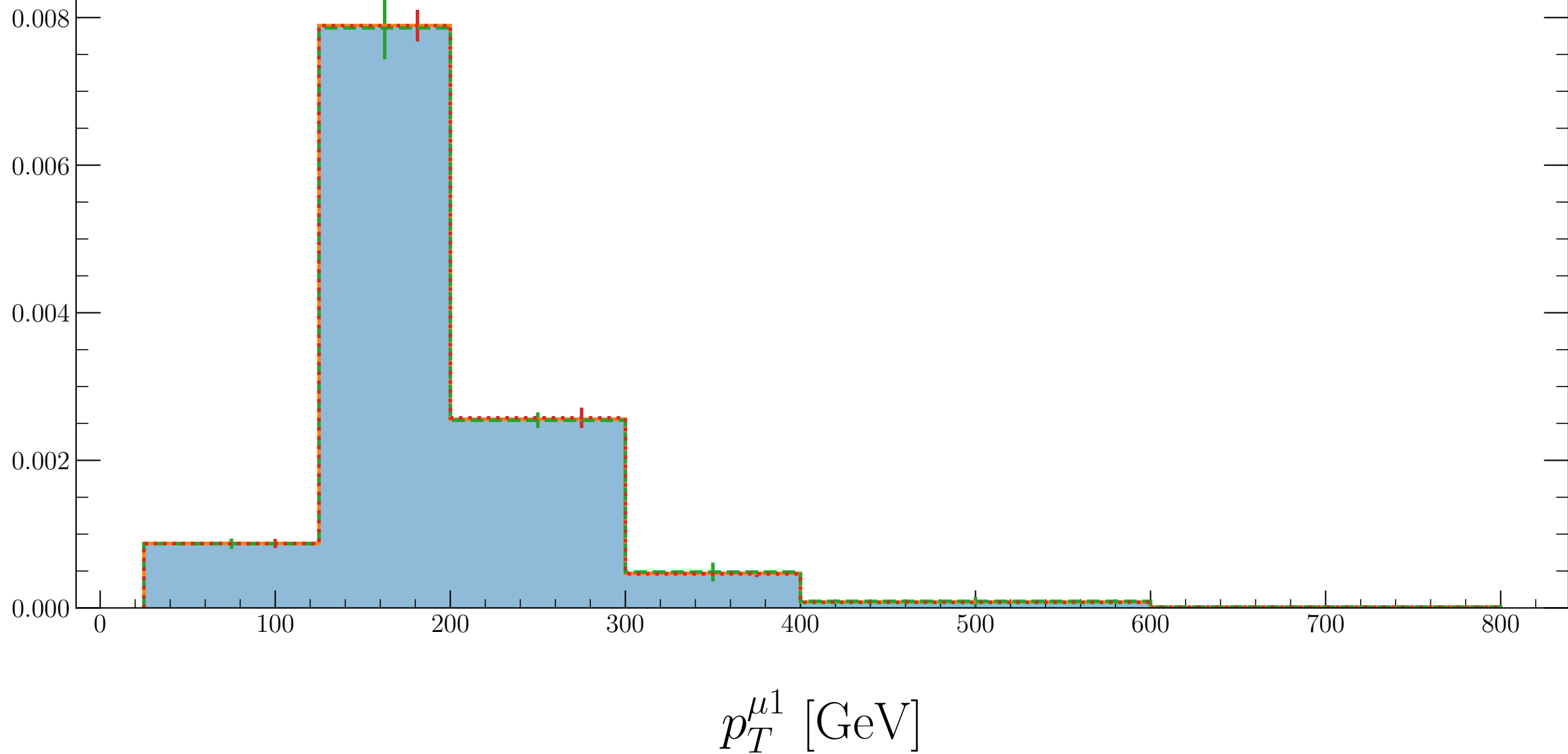
**ATLAS**

Simulation Internal

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

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

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



Events per bin (normalized)

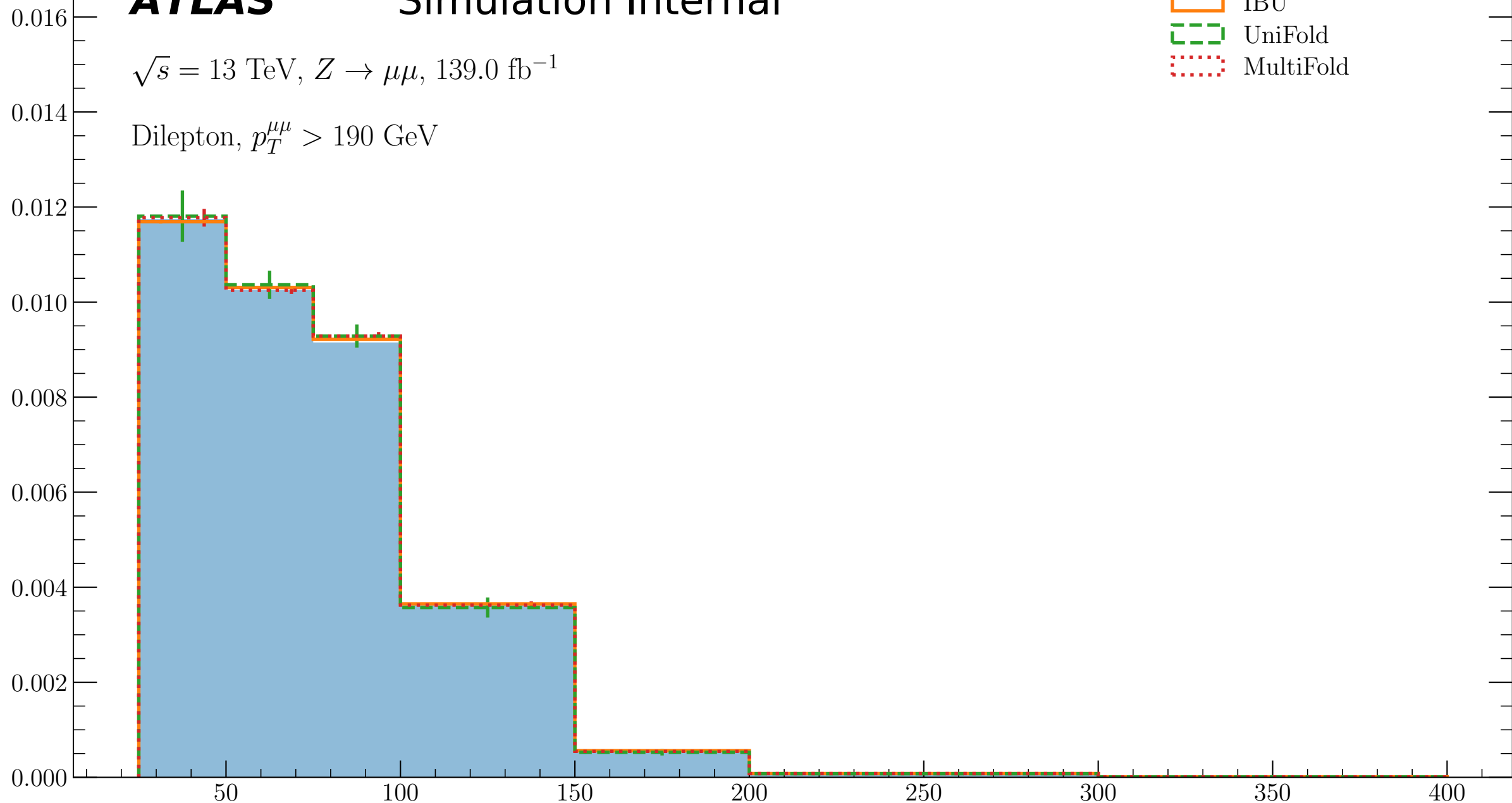
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Dilepton,  $p_T^{\mu\mu} > 190 \text{ GeV}$

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- UniFold
- MultiFold



$p_T^{\mu 2}$  [GeV]

Events per bin (normalized)

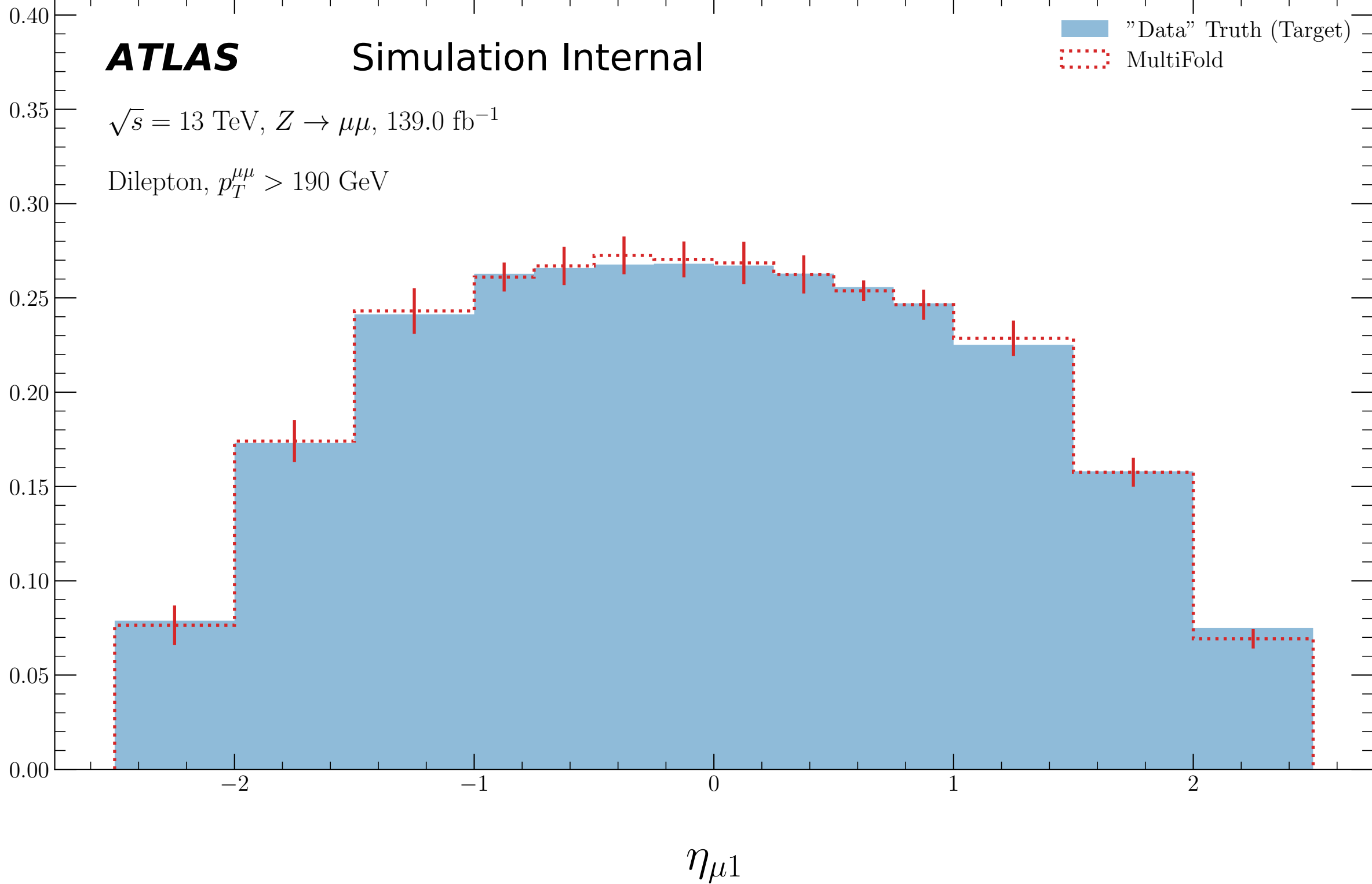
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Dilepton,  $p_T^{\mu\mu} > 190 \text{ GeV}$

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Events per bin (normalized)

**ATLAS**

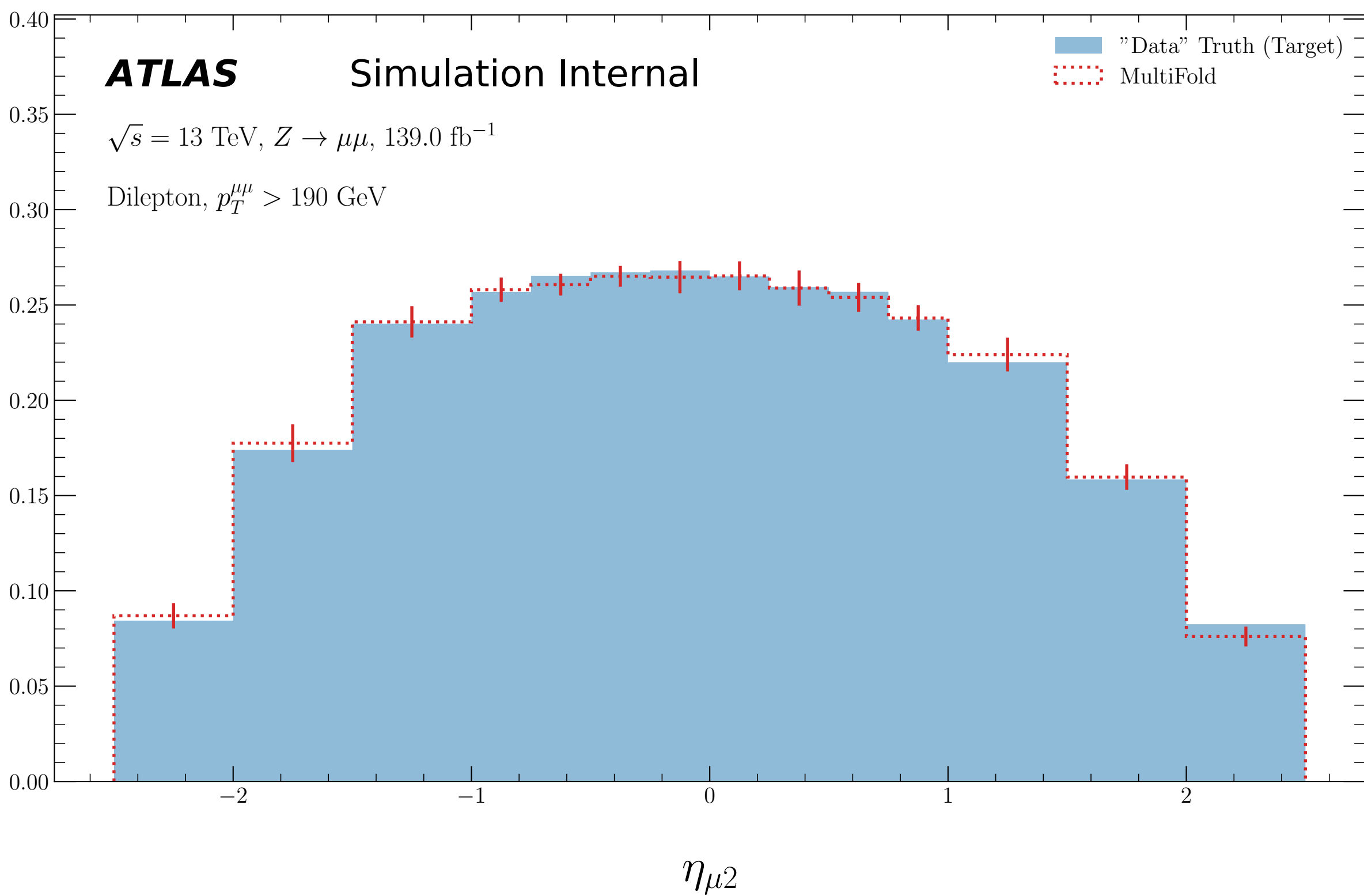
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■ "Data" Truth (Target)

⋯ MultiFold



Events per bin (normalized)

**ATLAS**

Simulation Internal

■ "Data" Truth (Target)  
▬ MultiFold

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

0.20  
0.15  
0.10  
0.05  
0.00

-3

-2

-1

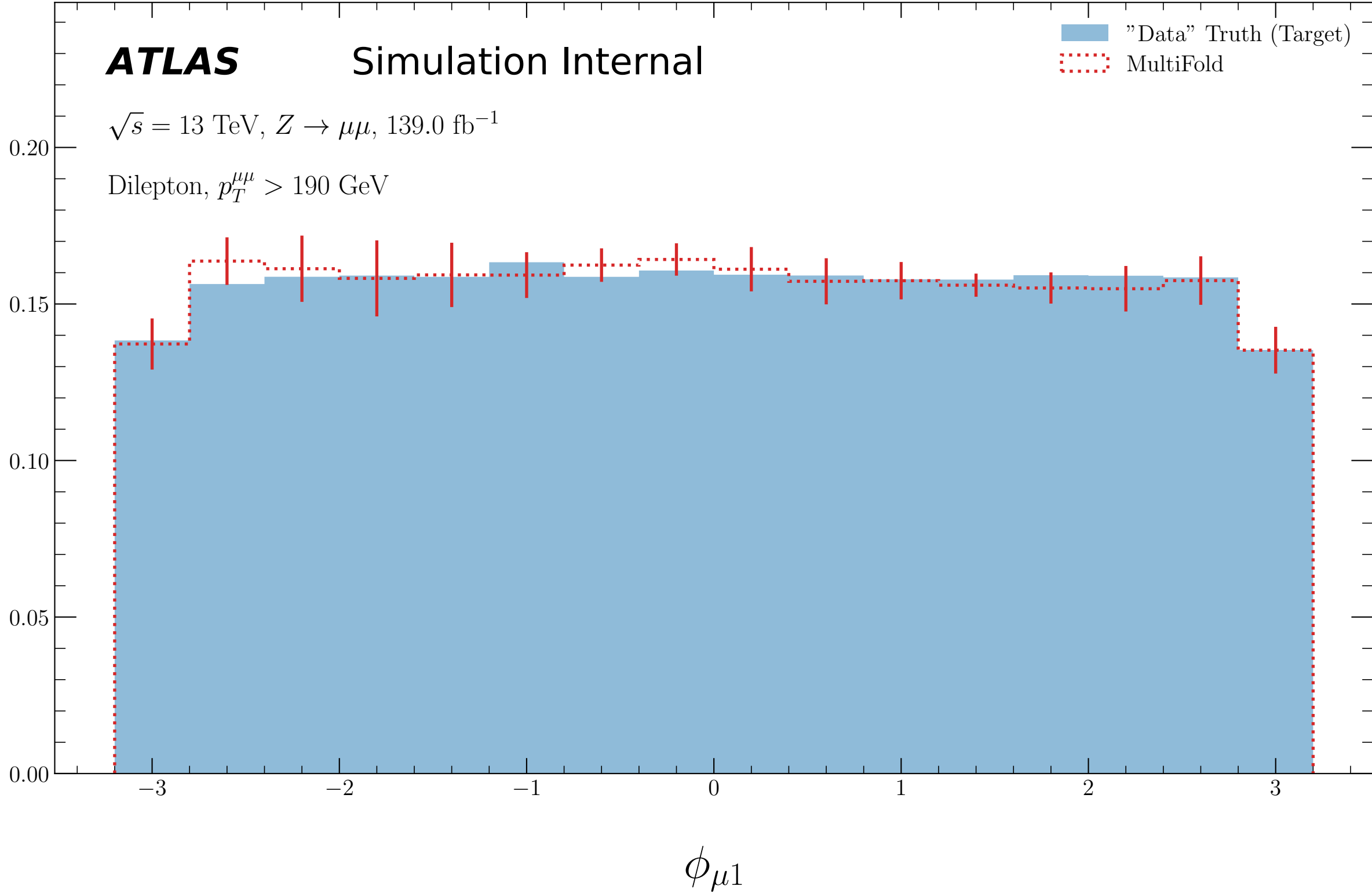
0

1

2

3

$\phi_{\mu 1}$



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■ "Data" Truth (Target)  
⋯ MultiFold

0.20  
0.15  
0.10  
0.05  
0.00

-3

-2

-1

0

1

2

3

$\phi_{\mu 2}$

