

Events per bin (normalized)

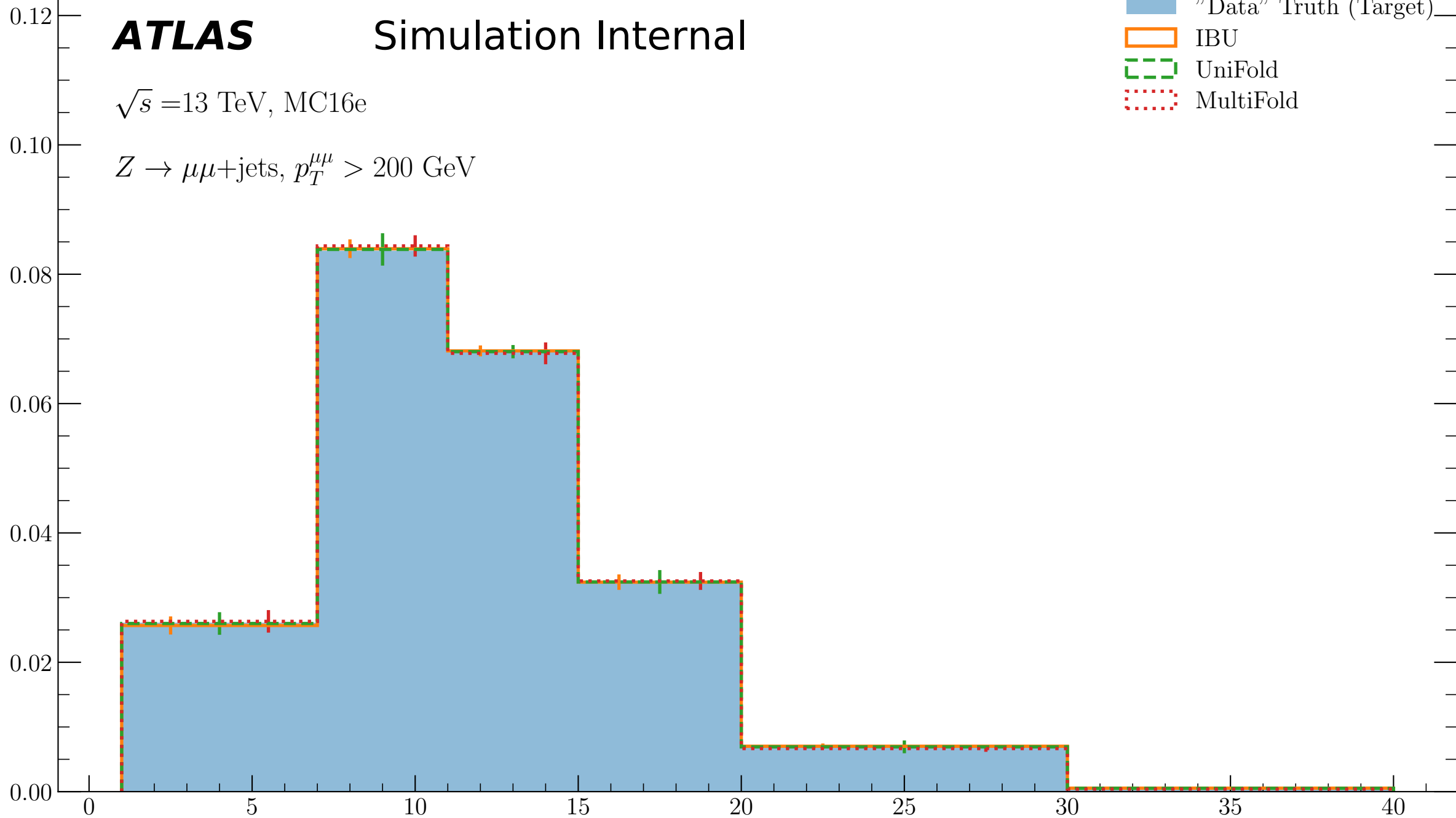
**ATLAS**

Simulation Internal

$\sqrt{s} = 13$  TeV, MC16e

$Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$  GeV

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



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

Events per bin (normalized)

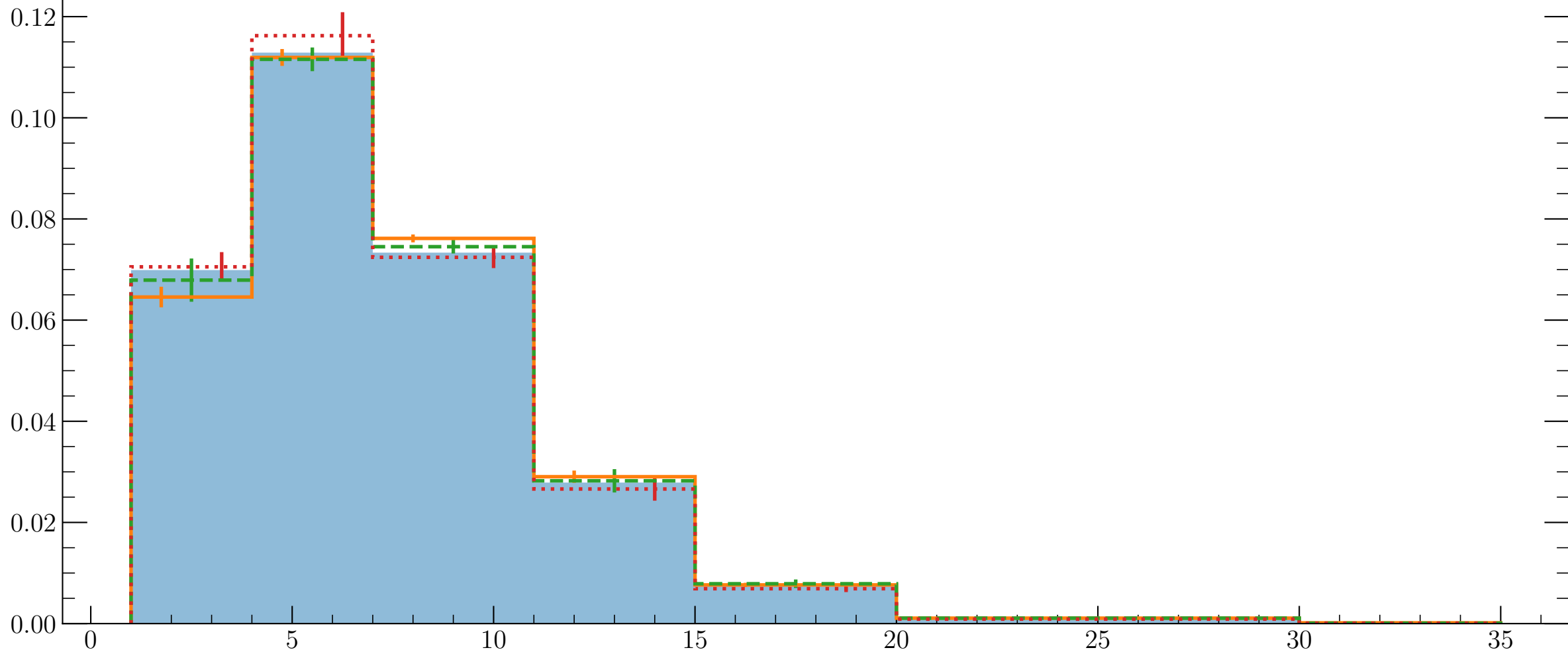
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Subleading track jet  $n_{\text{ch}}$

Events per bin (normalized)

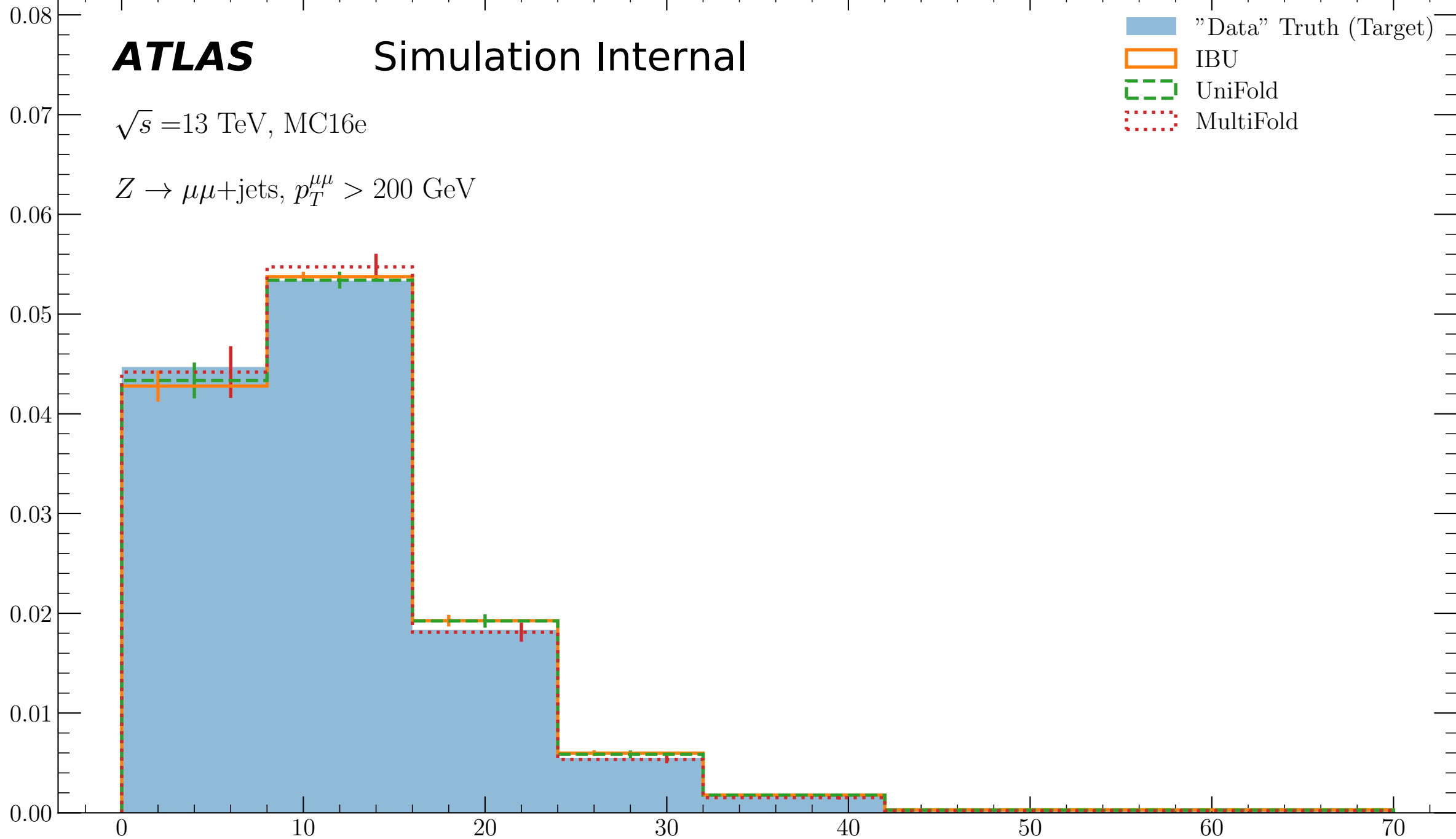
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Leading track jet  $m$  [GeV]

Events per bin (normalized)

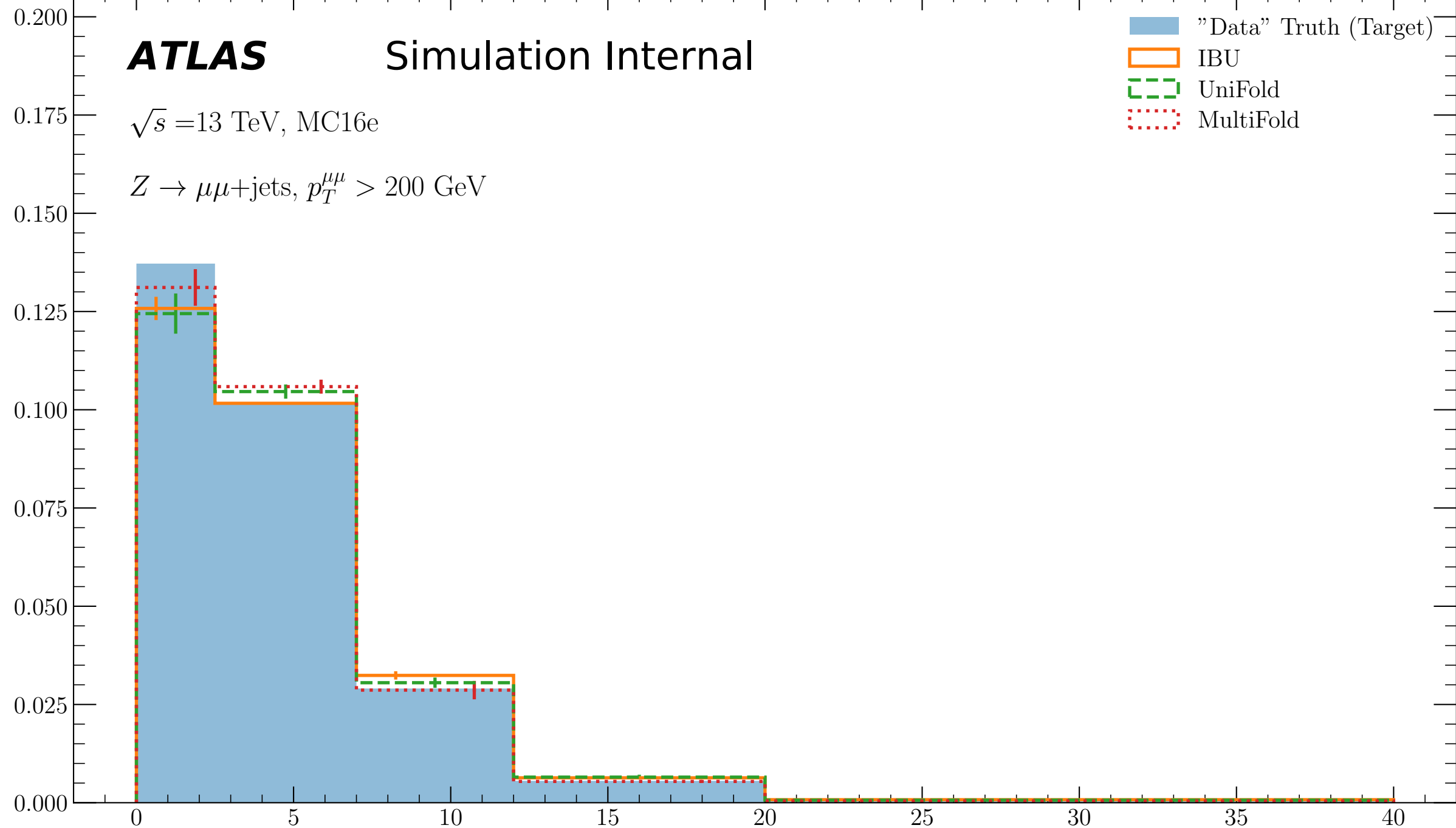
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Subleading track jet  $m$  [GeV]

Events per bin (normalized)

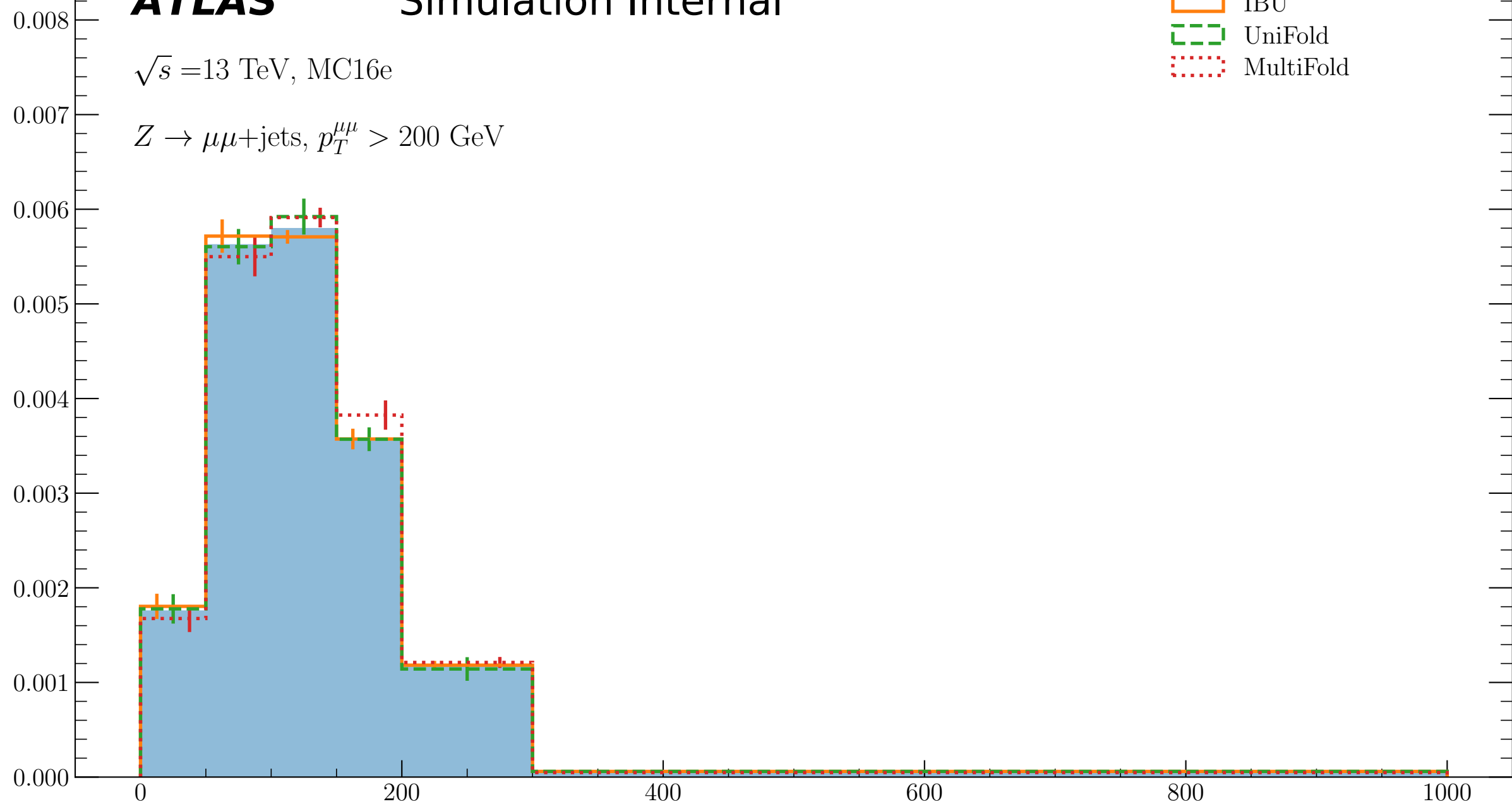
**ATLAS**

Simulation Internal

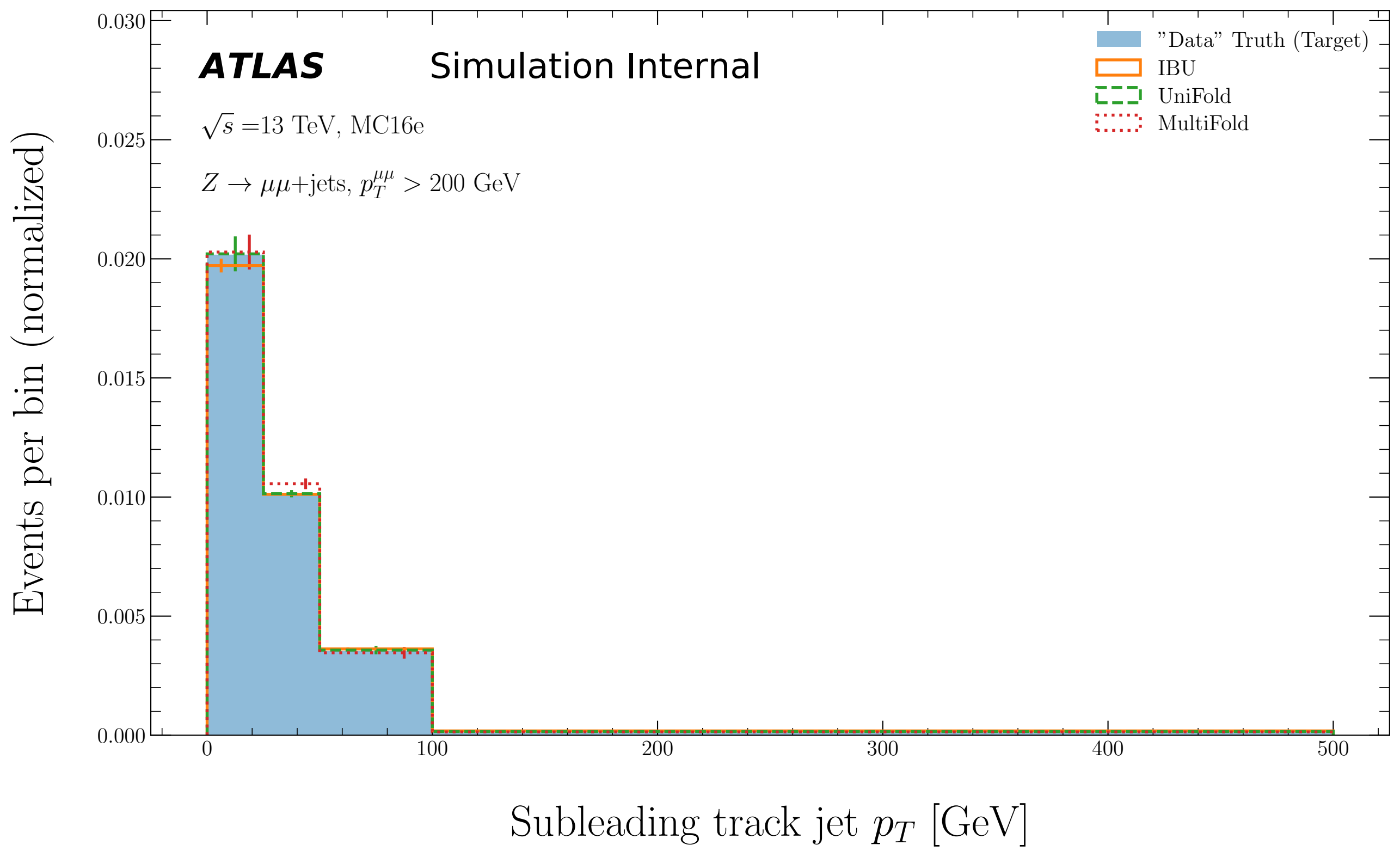
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Leading track jet  $p_T$  [GeV]



Events per bin (normalized)

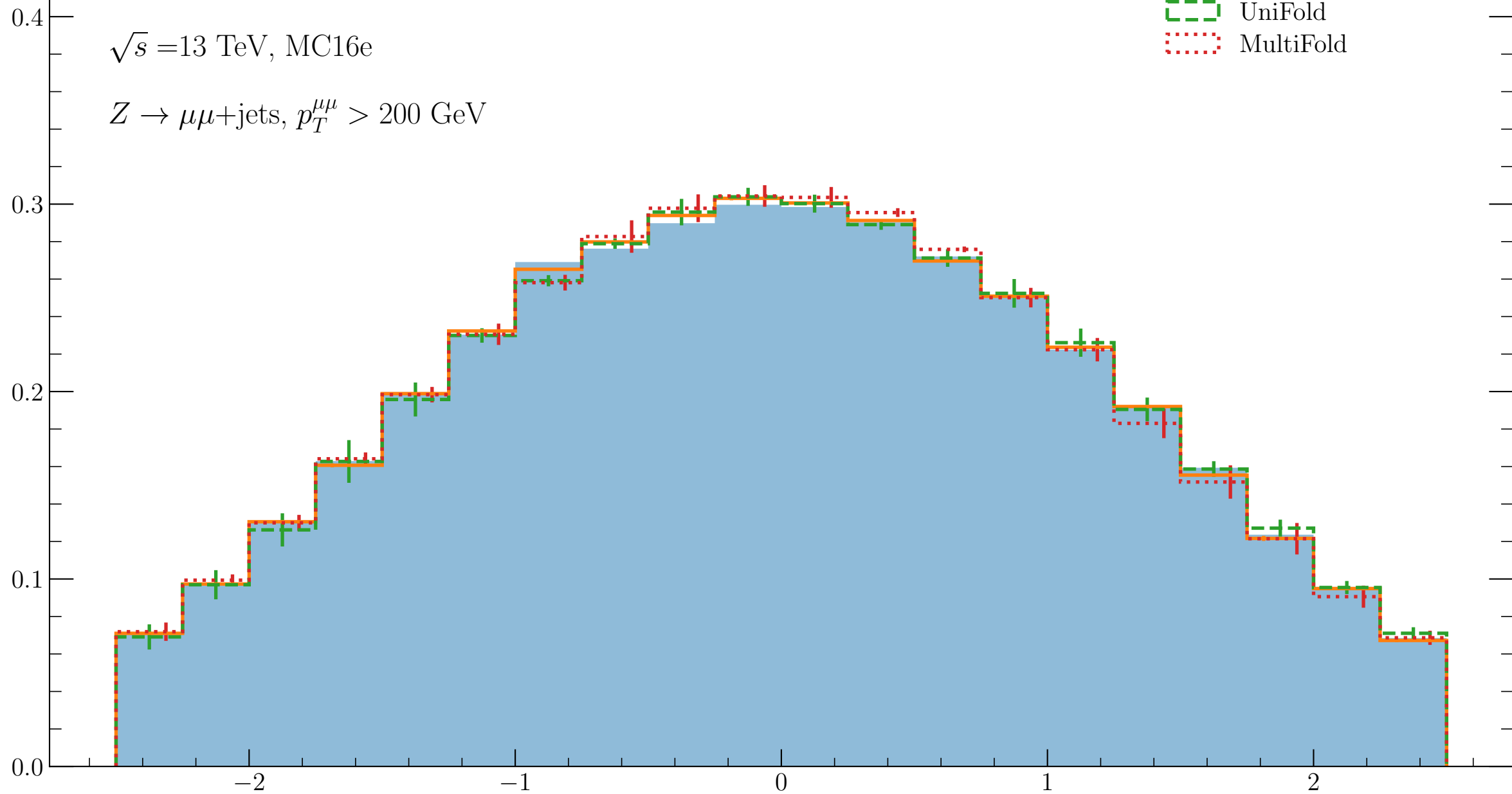
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$\sqrt{s} = 13$  TeV, MC16e

$Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$  GeV

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Leading track jet  $y$

Events per bin (normalized)

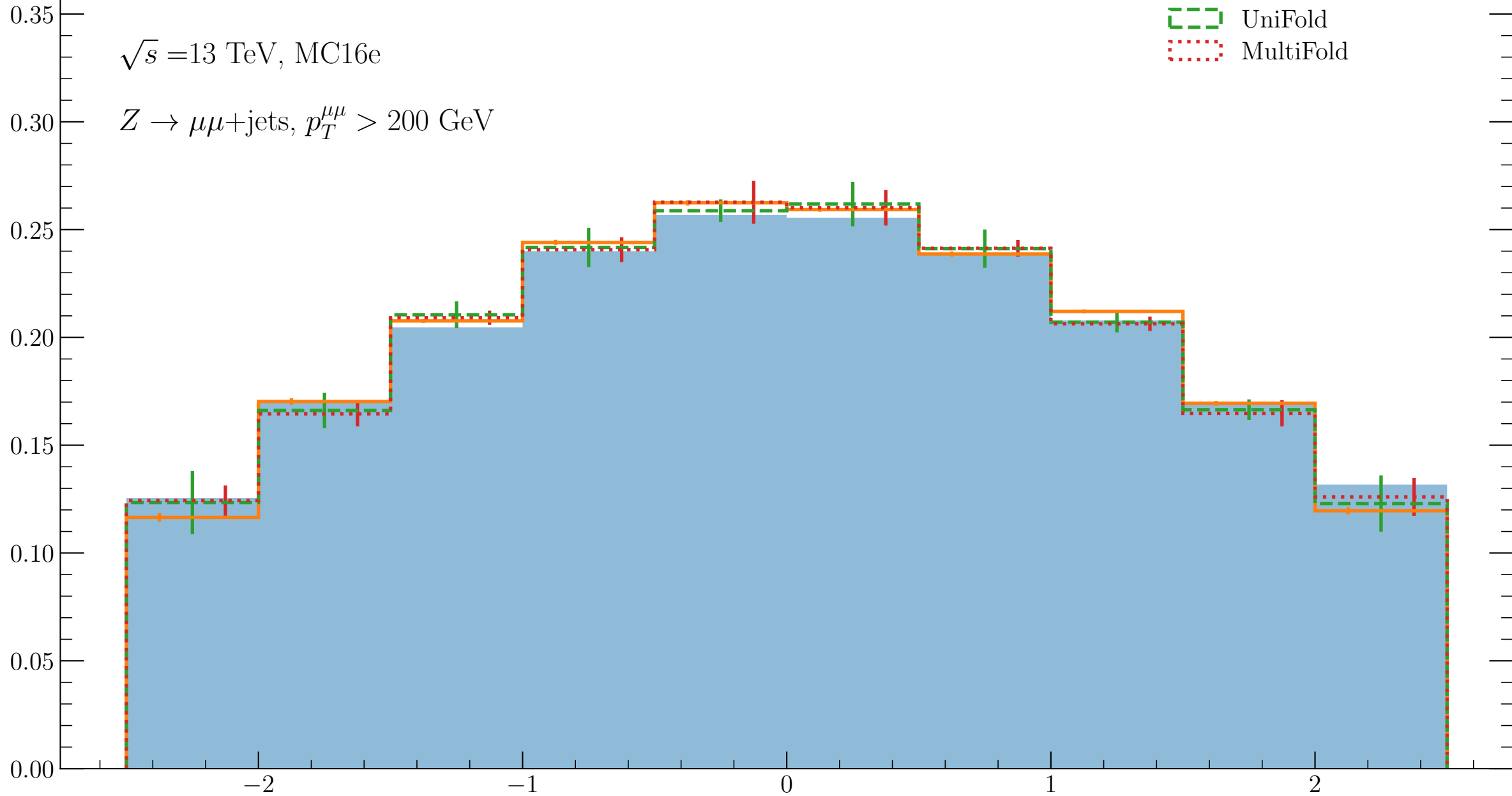
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Simulation Internal

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$Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$  GeV

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Subleading track jet  $y$



Events per bin (normalized)

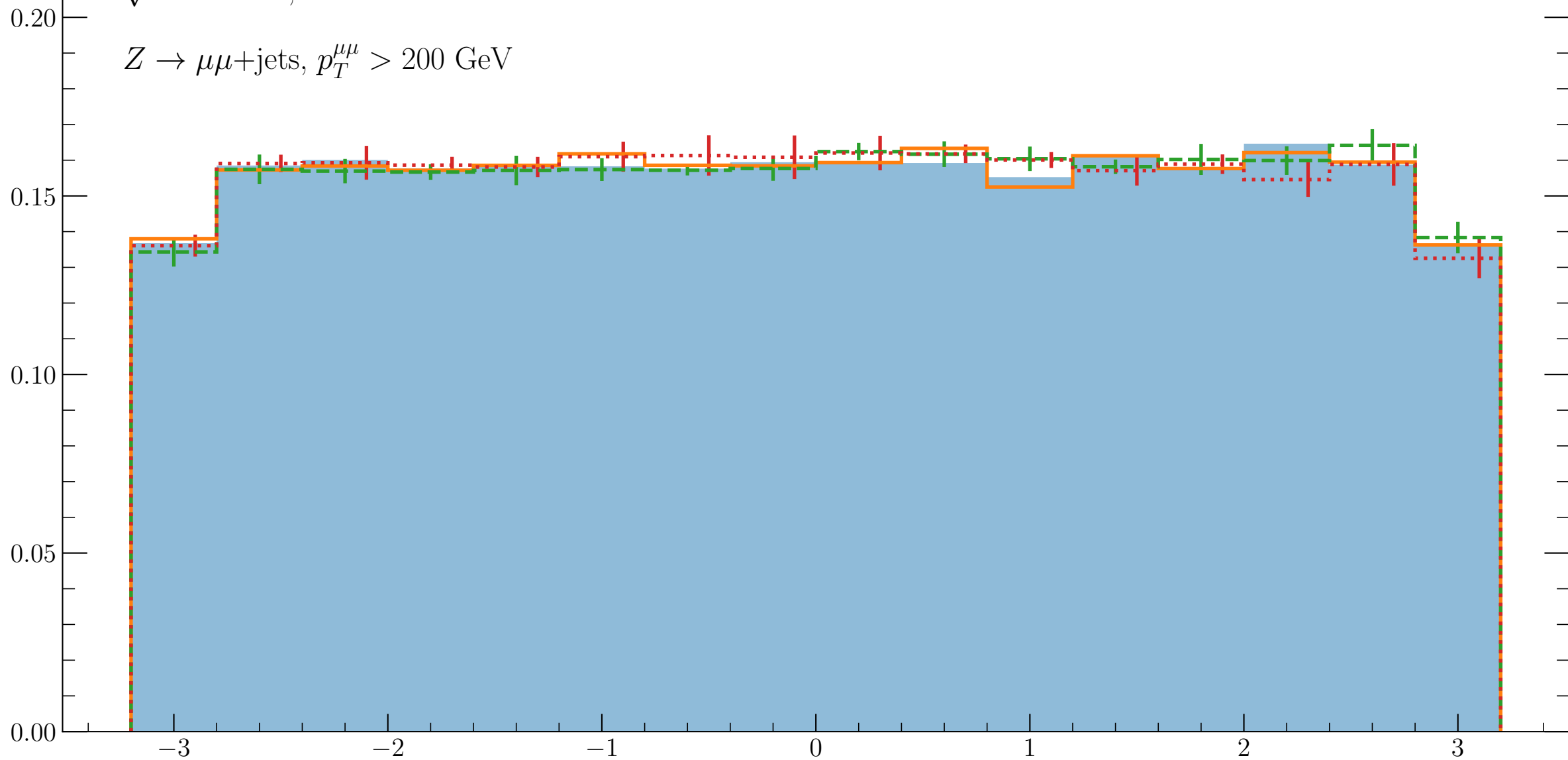
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Simulation Internal

$\sqrt{s} = 13$  TeV, MC16e

$Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$  GeV

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Leading track jet  $\phi$

Events per bin (normalized)

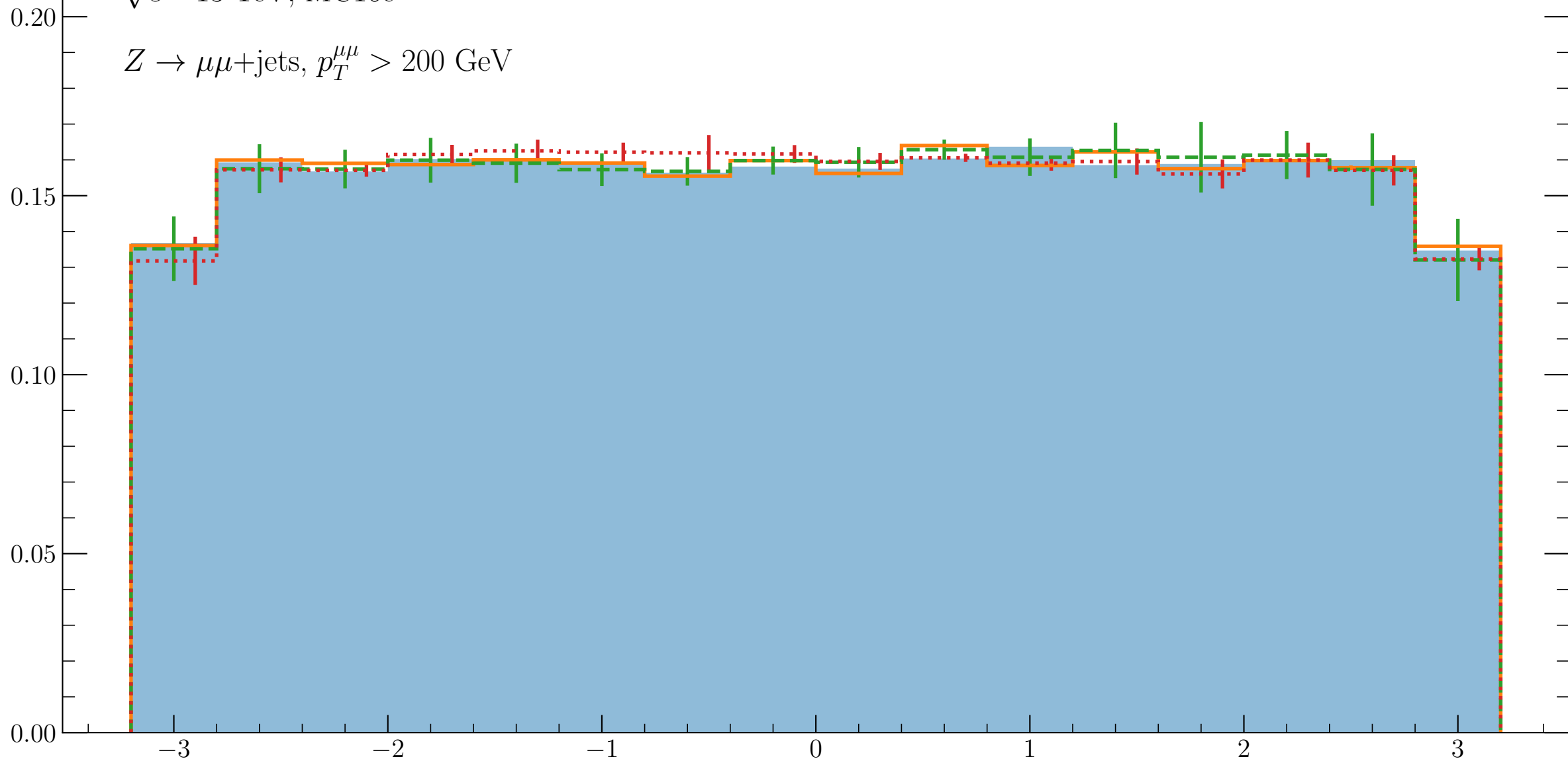
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Subleading track jet  $\phi$

Events per bin (normalized)

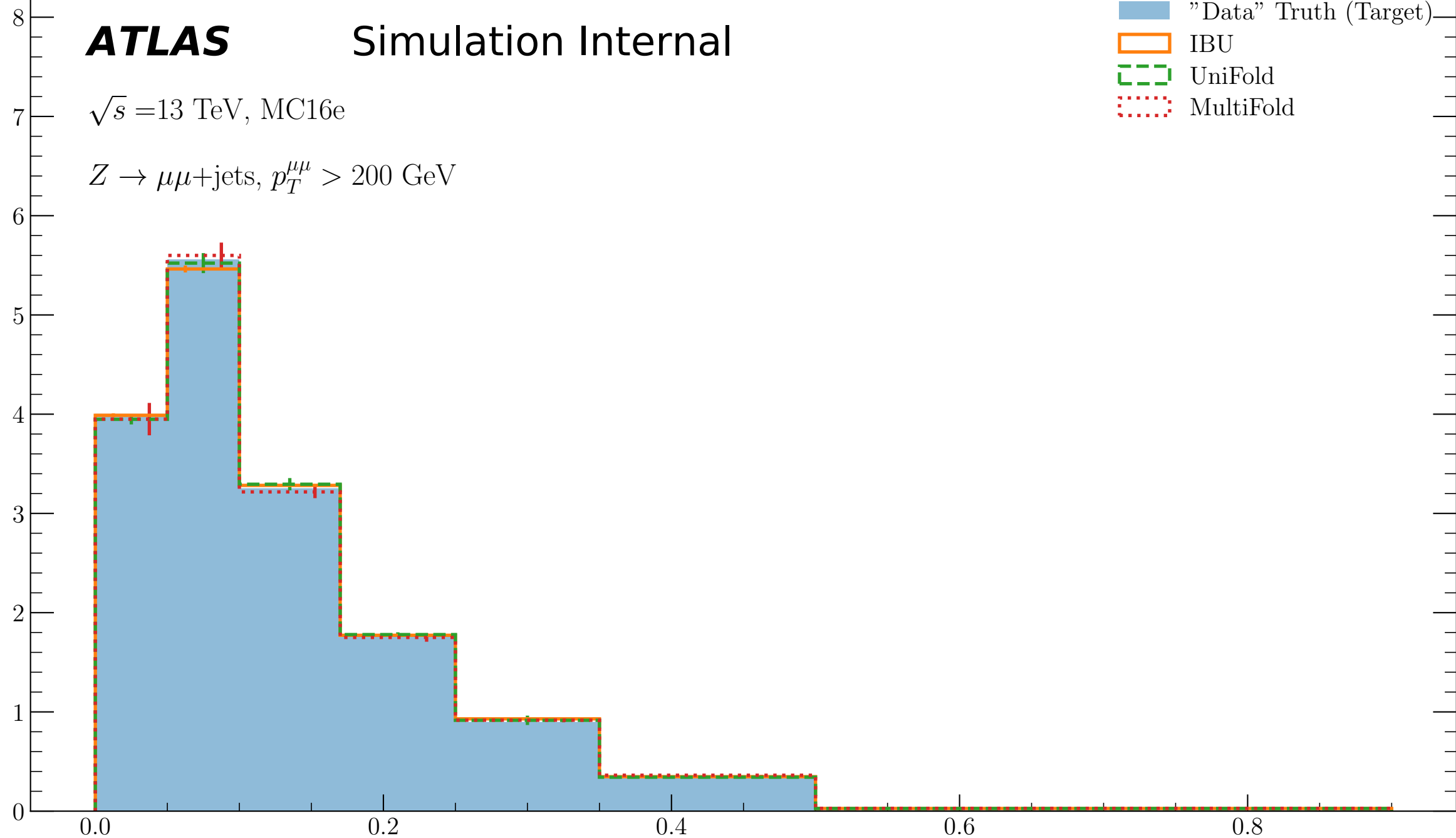
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Leading track jet  $\tau_1$

Events per bin (normalized)

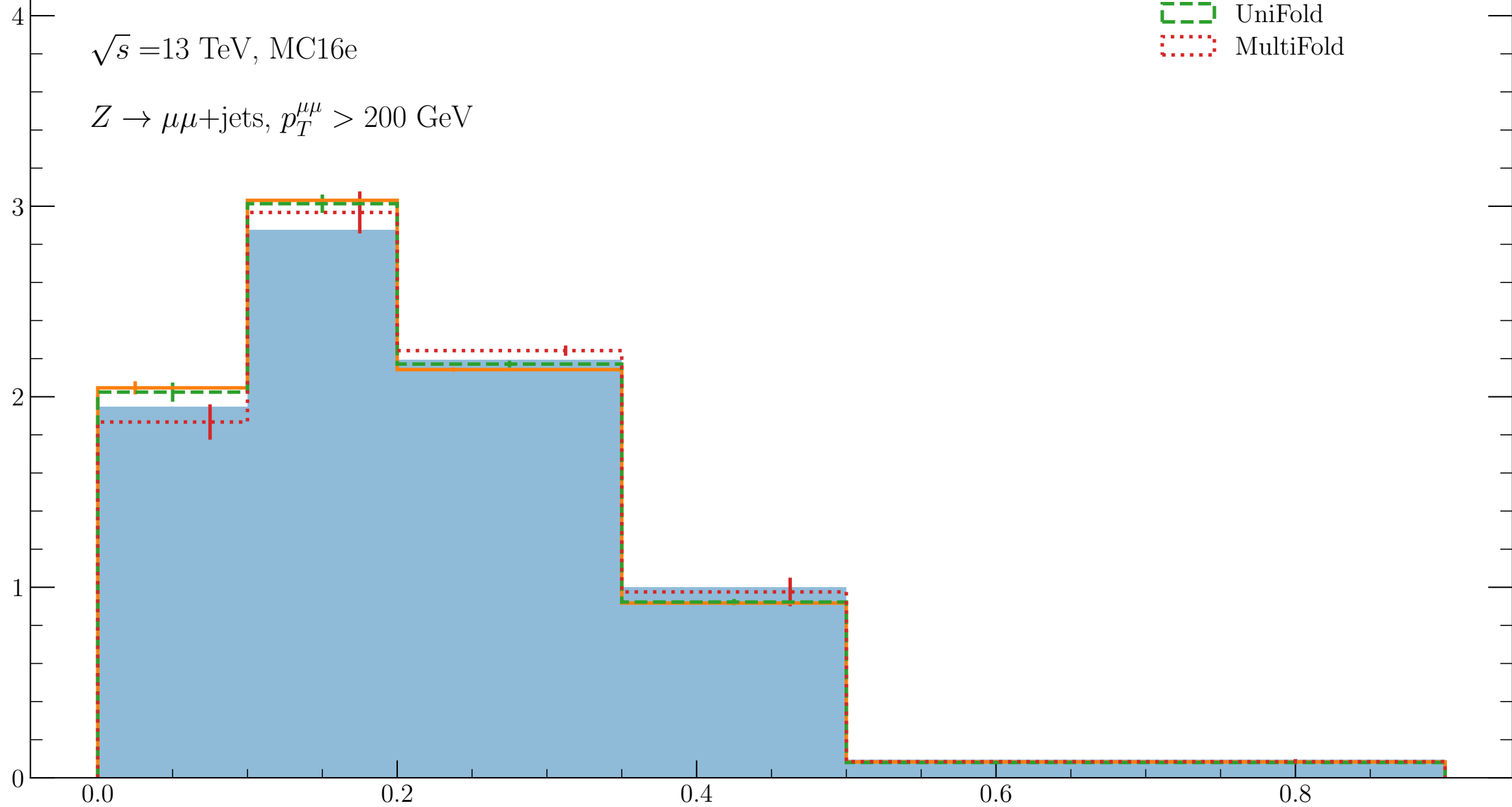
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Subleading track jet  $\tau_1$

Events per bin (normalized)

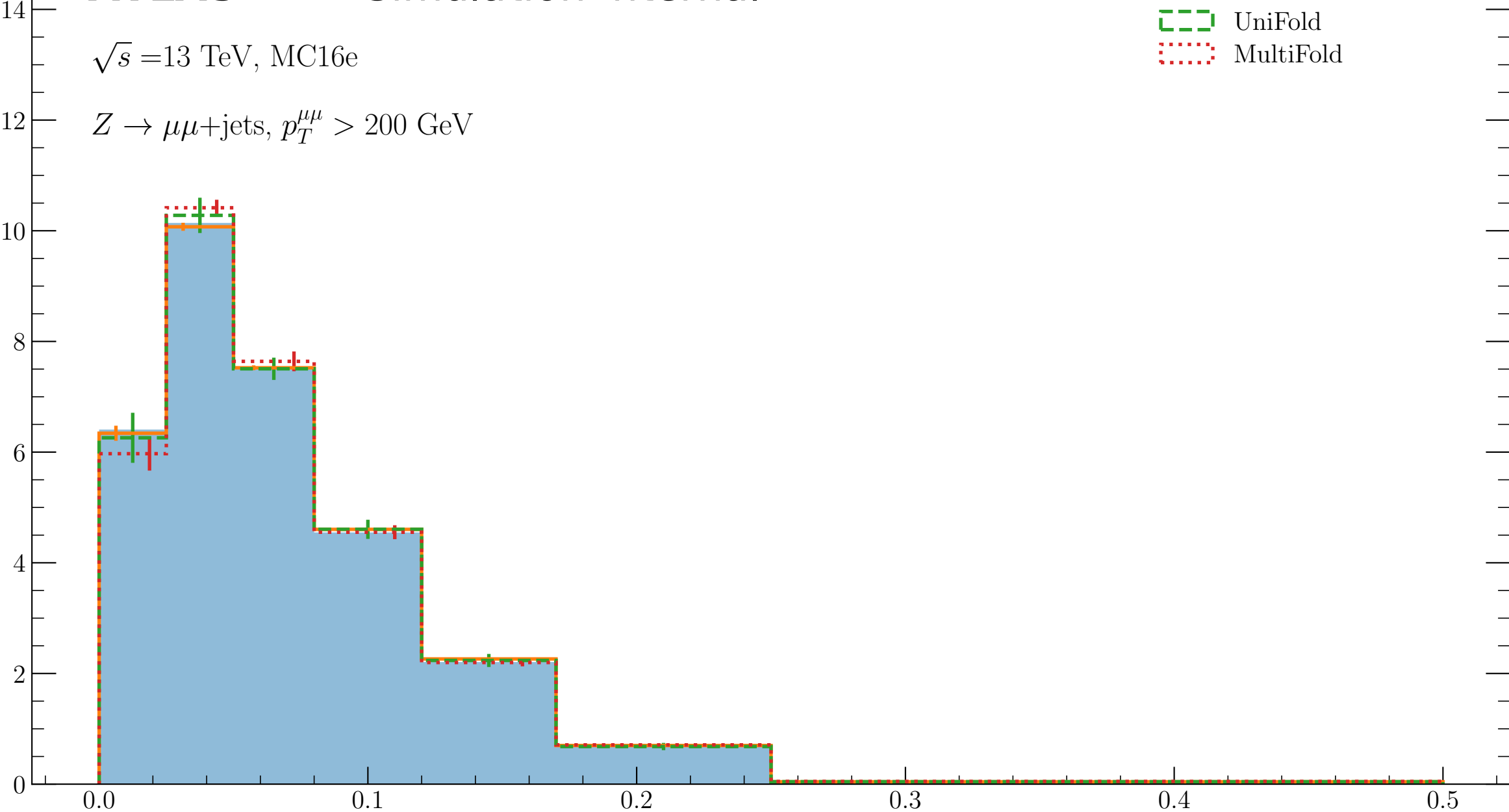
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$Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$  GeV

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- UniFold
- MultiFold



Leading track jet  $\tau_2$

Events per bin (normalized)

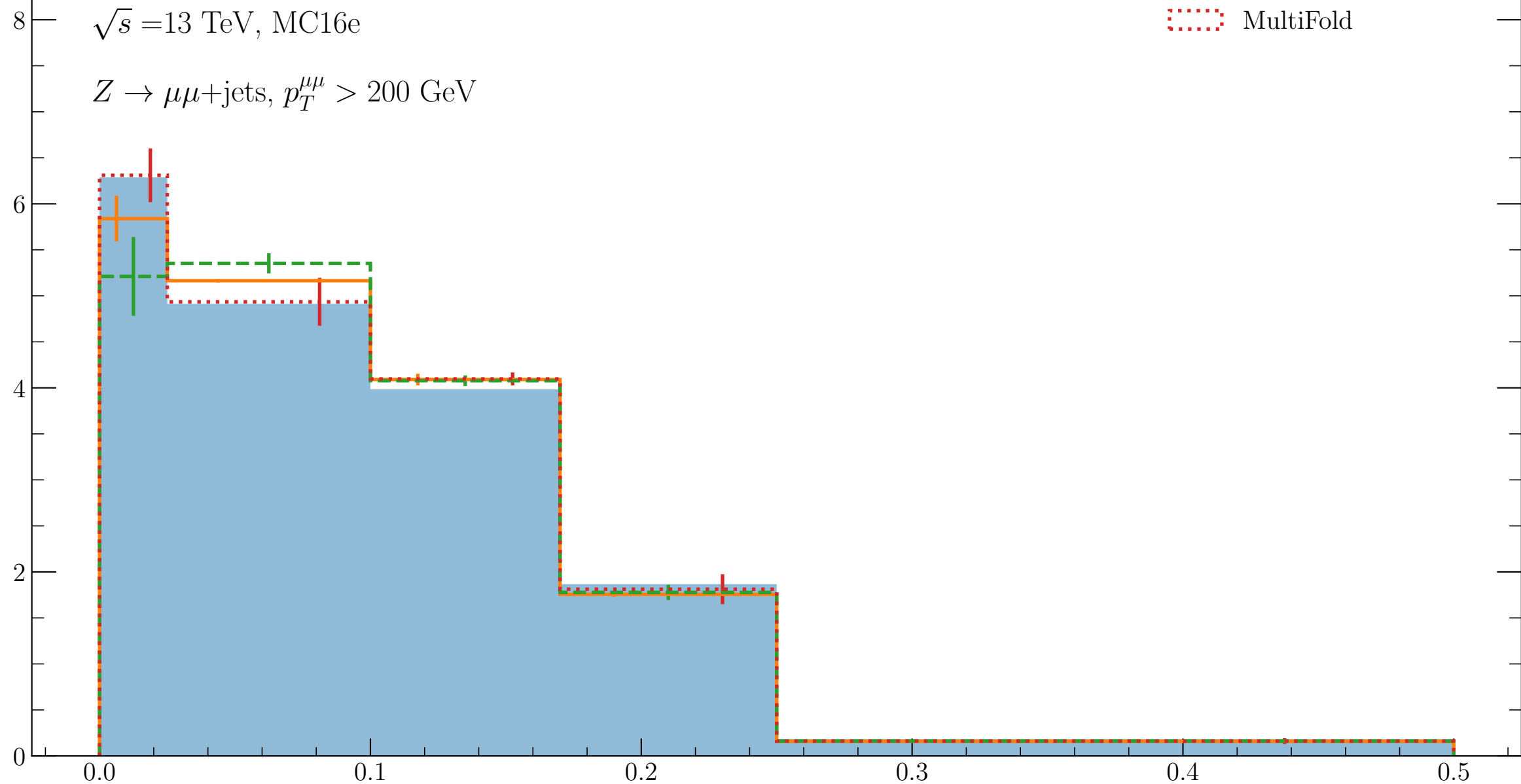
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Simulation Internal

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$Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$  GeV

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- UniFold
- MultiFold



Subleading track jet  $\tau_2$

Events per bin (normalized)

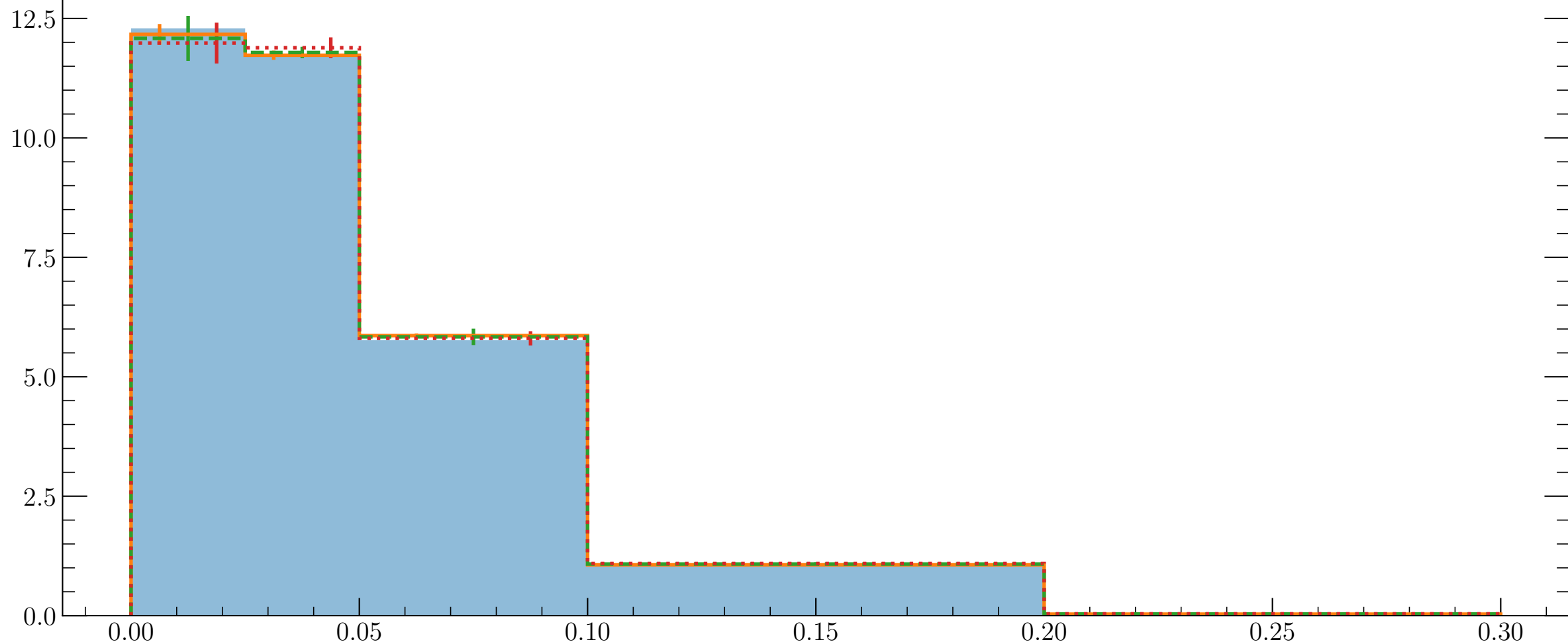
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$\sqrt{s} = 13$  TeV, MC16e

$Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$  GeV

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Leading track jet  $\tau_3$

Events per bin (normalized)

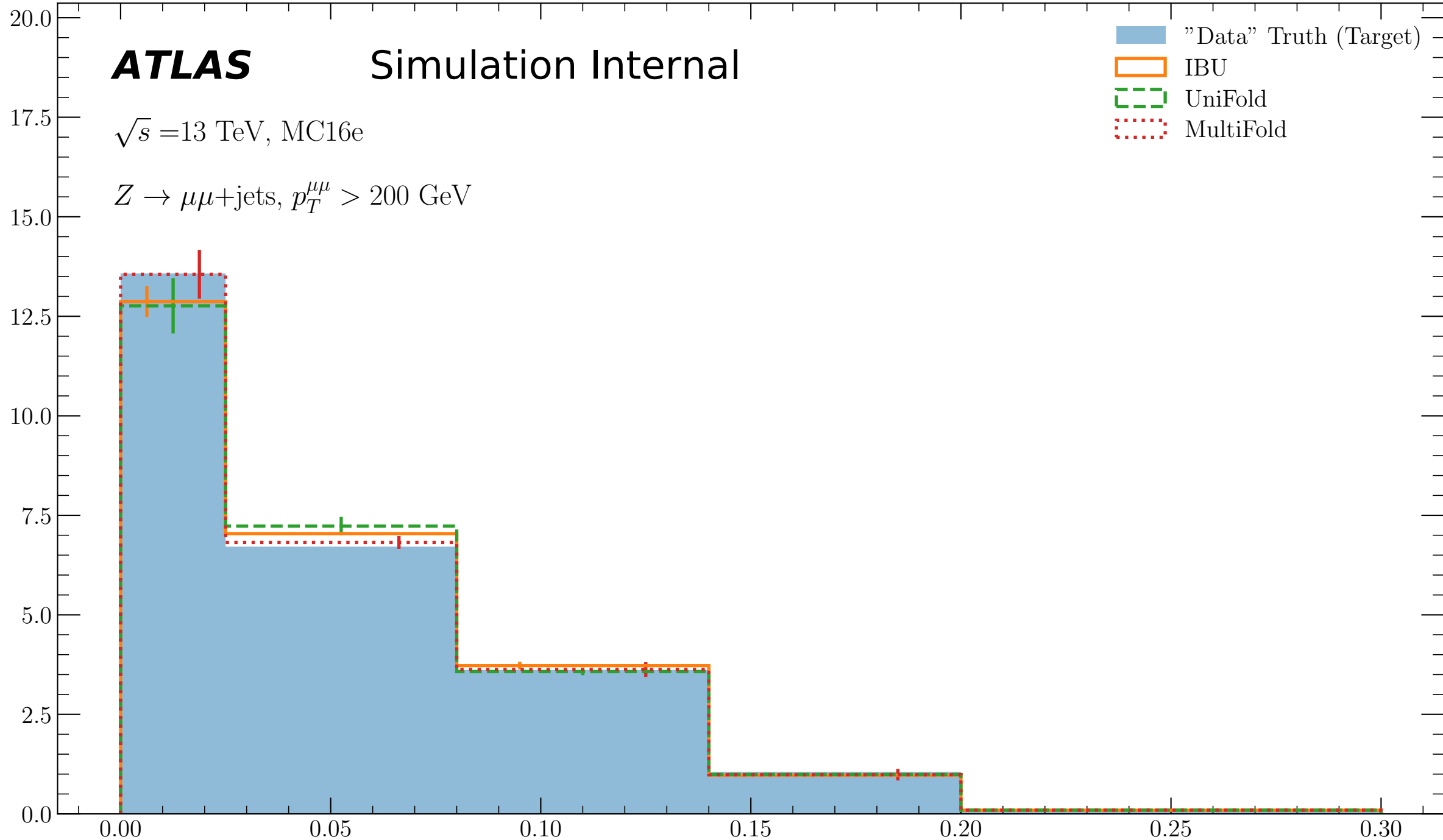
**ATLAS**

Simulation Internal

$\sqrt{s} = 13$  TeV, MC16e

$Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$  GeV

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- UniFold
- MultiFold



Subleading track jet  $\tau_3$



Events per bin (normalized)

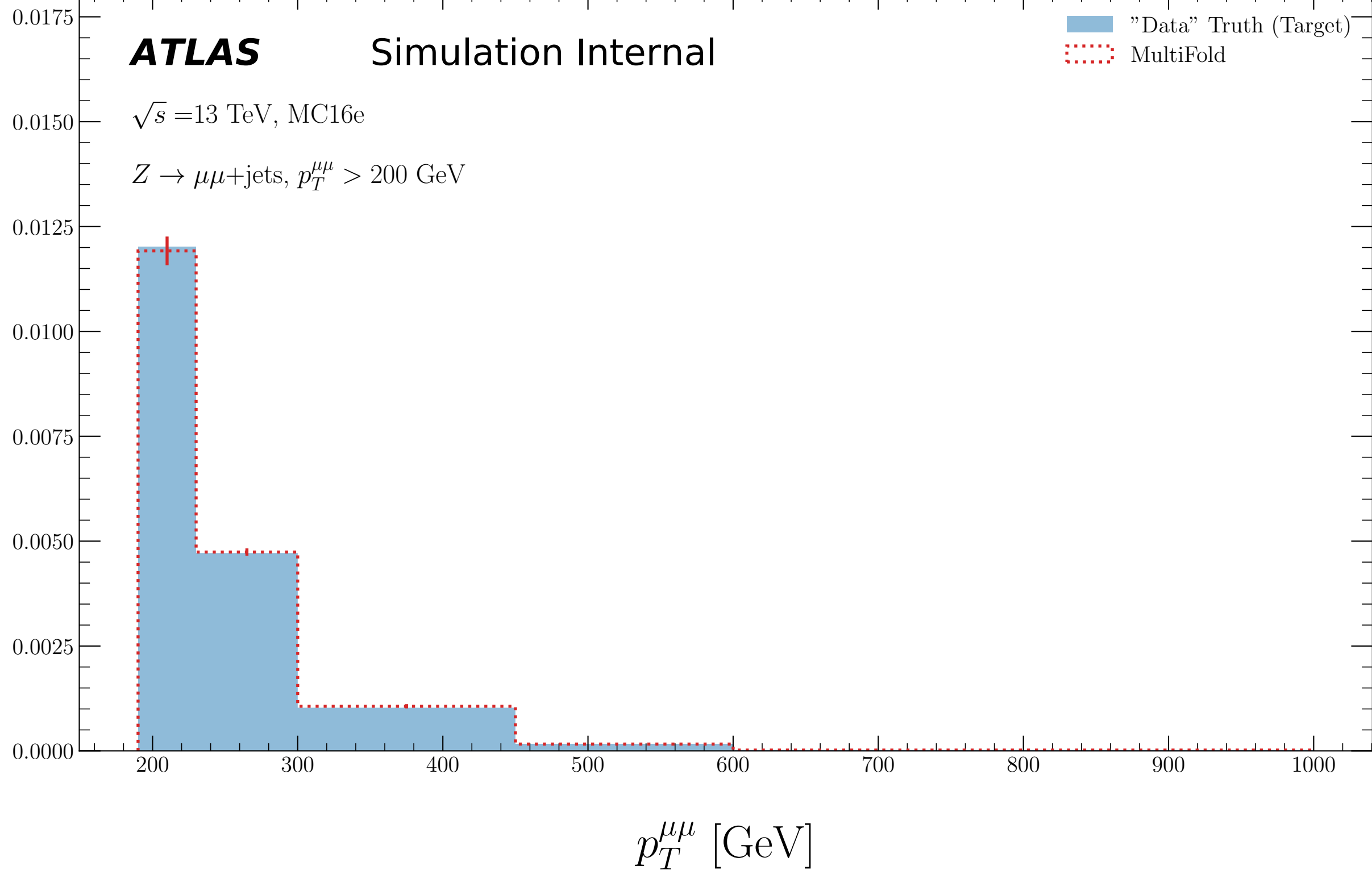
**ATLAS**

Simulation Internal

$\sqrt{s} = 13$  TeV, MC16e

$Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$  GeV

■ "Data" Truth (Target)  
▤ MultiFold



Events per bin (normalized)

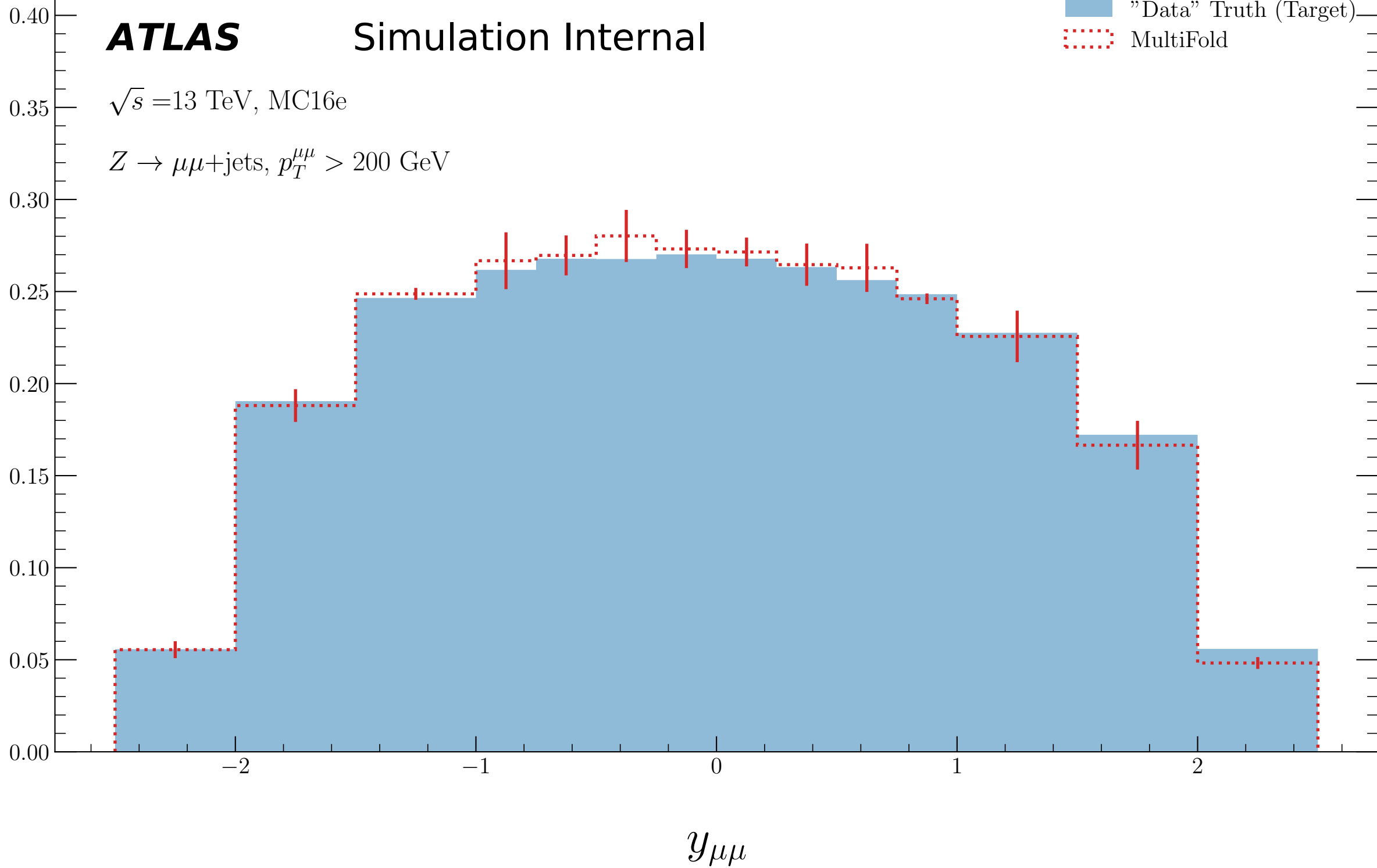
**ATLAS**

Simulation Internal

$\sqrt{s} = 13$  TeV, MC16e

$Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$  GeV

■ "Data" Truth (Target)  
⋯ MultiFold



Events per bin (normalized)

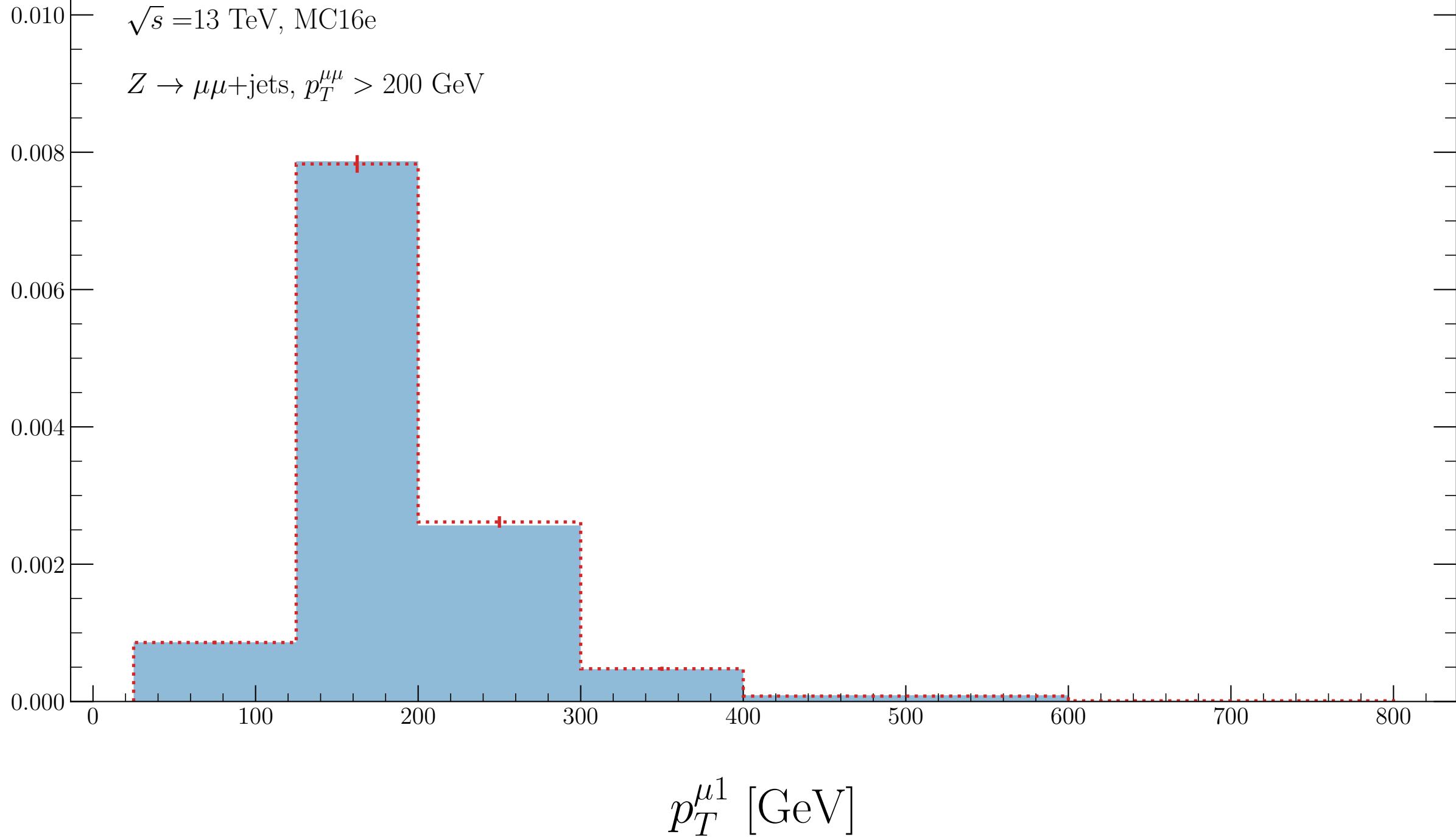
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$\sqrt{s} = 13$  TeV, MC16e

$Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$  GeV

■ "Data" Truth (Target)  
▤ MultiFold



Events per bin (normalized)

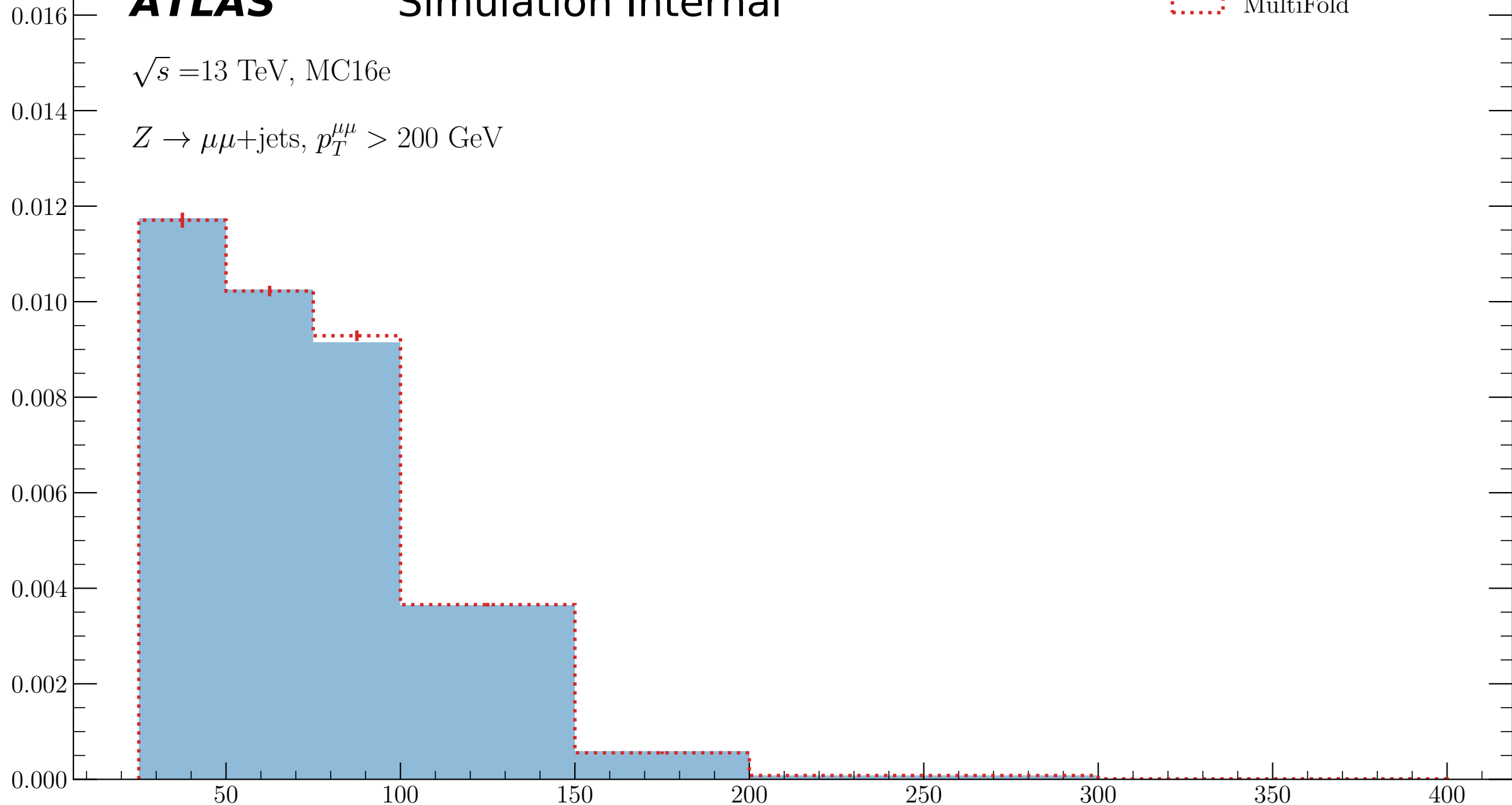
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$Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$  GeV

■ "Data" Truth (Target)  
▤ MultiFold



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

Events per bin (normalized)

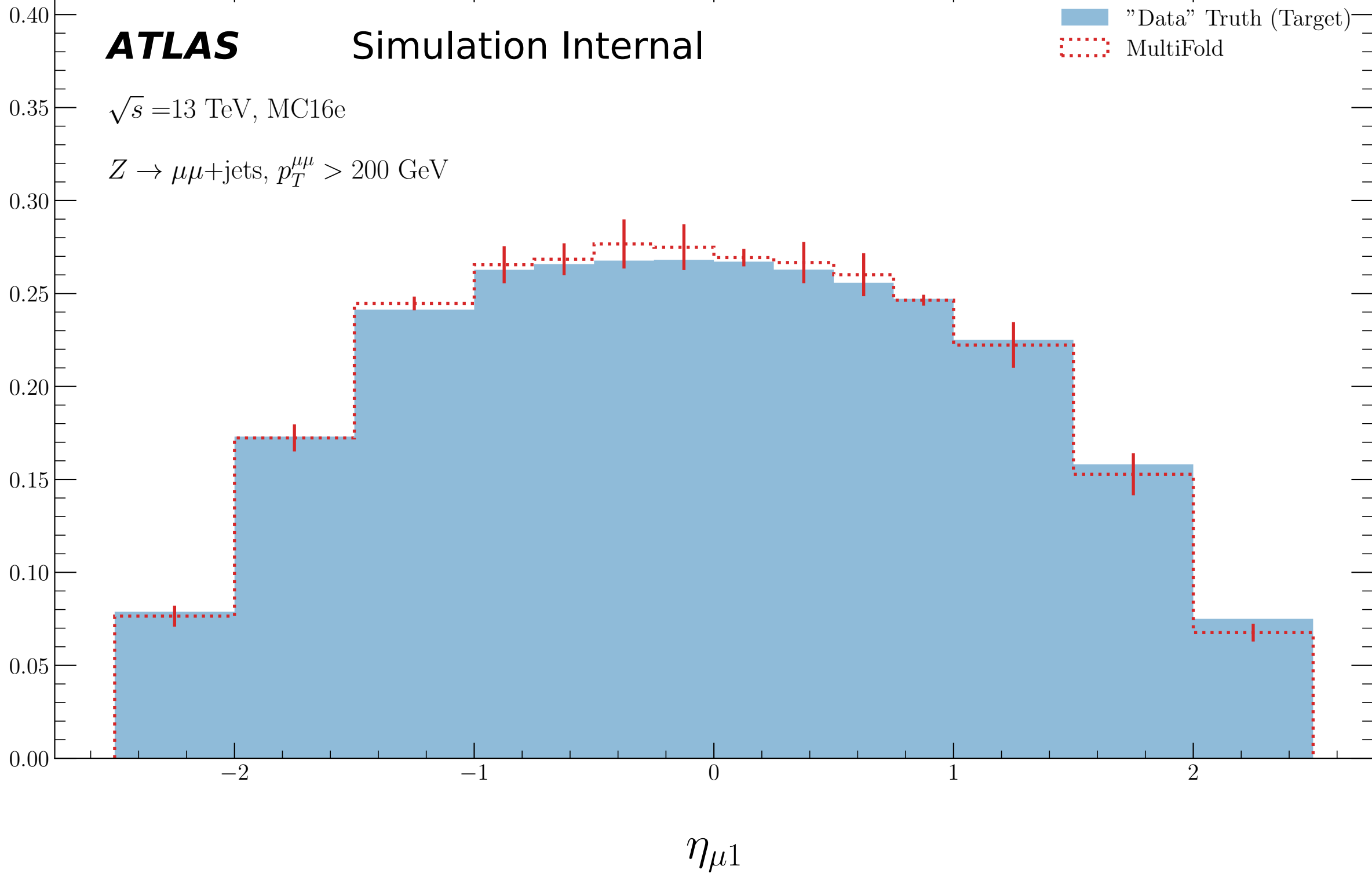
**ATLAS**

Simulation Internal

$\sqrt{s} = 13$  TeV, MC16e

$Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$  GeV

■ "Data" Truth (Target)  
⋯ MultiFold



Events per bin (normalized)

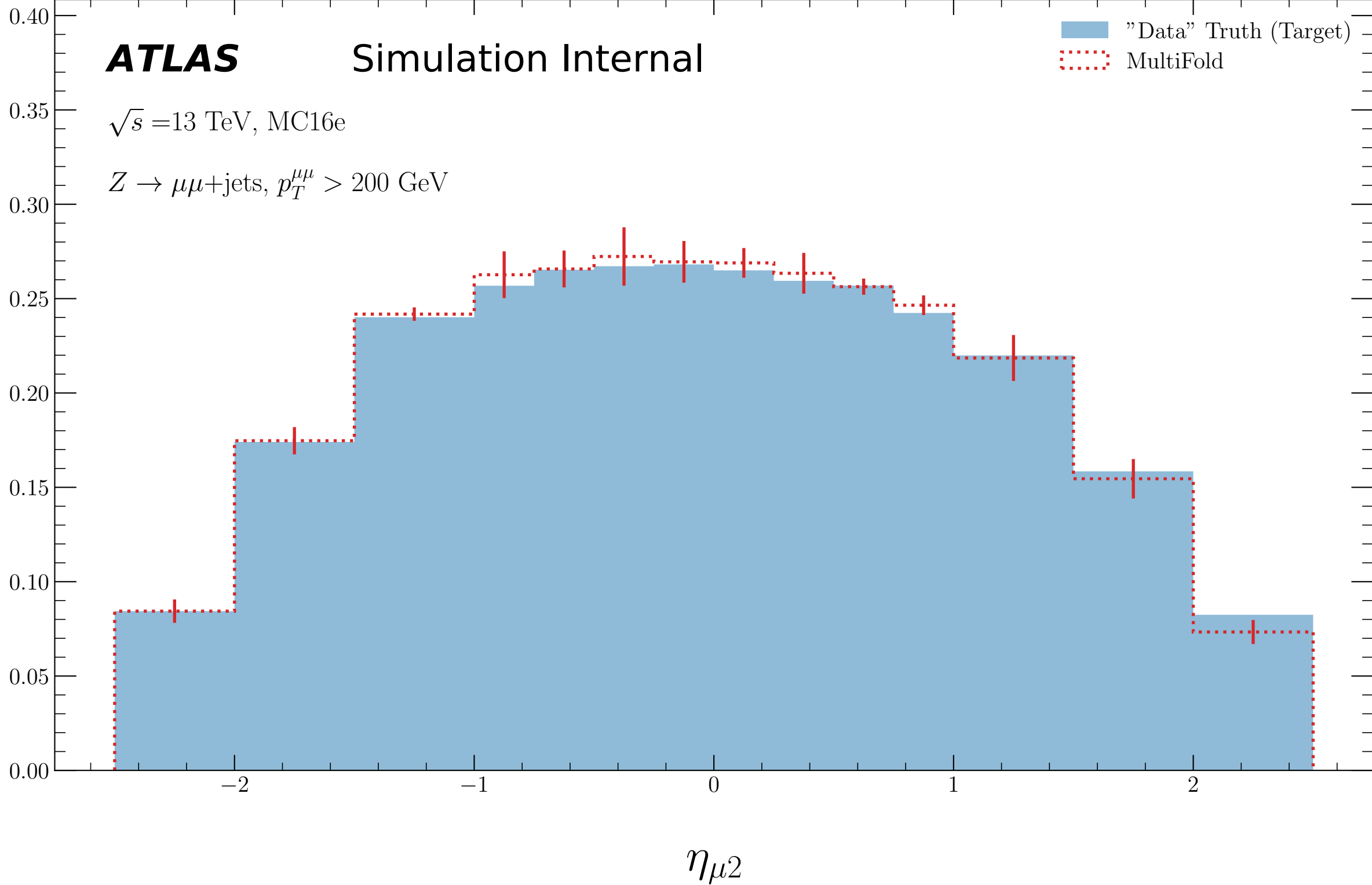
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$\sqrt{s} = 13$  TeV, MC16e

$Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$  GeV

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Events per bin (normalized)

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■ "Data" Truth (Target)  
▬ MultiFold

0.20  
0.15  
0.10  
0.05  
0.00

-3

-2

-1

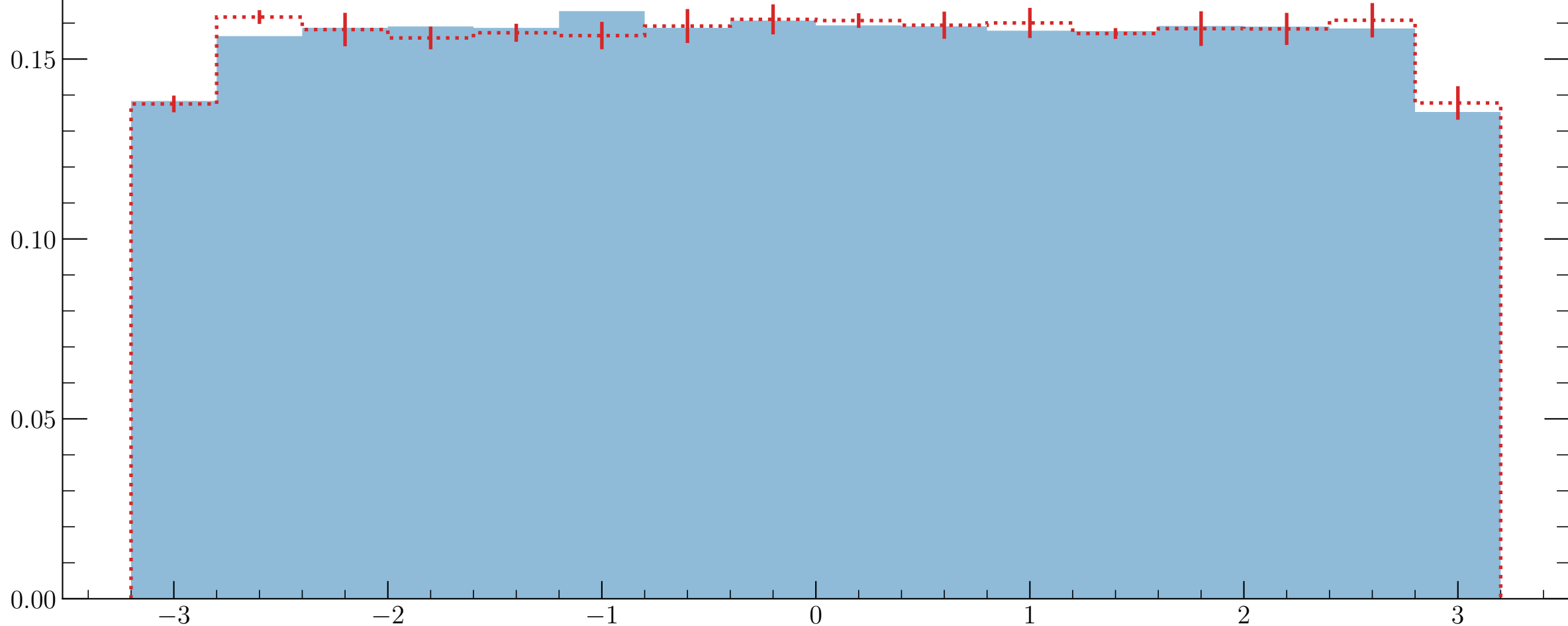
0

1

2

3

$\phi_{\mu 1}$



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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

$\phi_{\mu 2}$

