

ATLAS

Simulation Internal

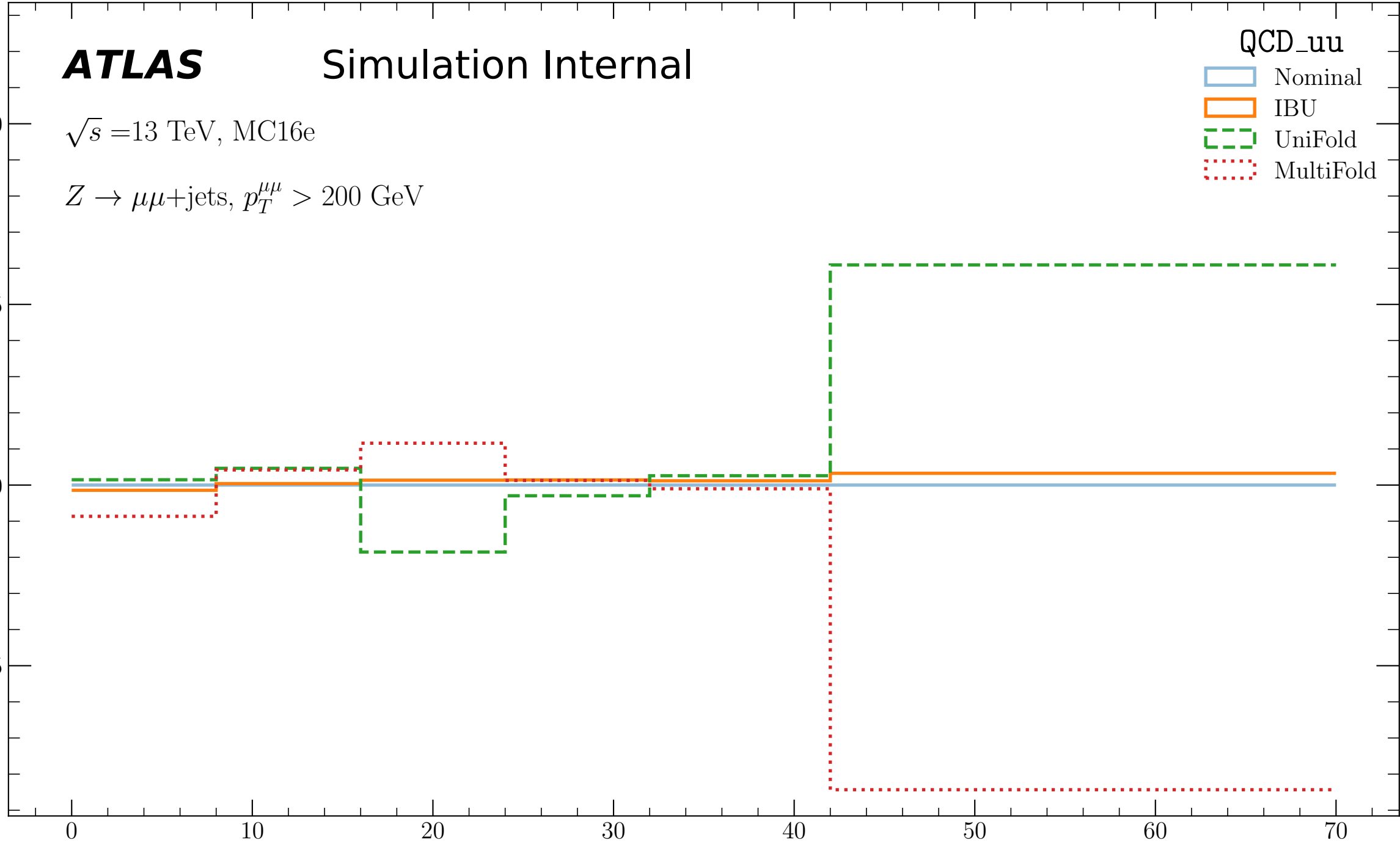
 $\sqrt{s} = 13$ TeV, MC16e $Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$ GeV

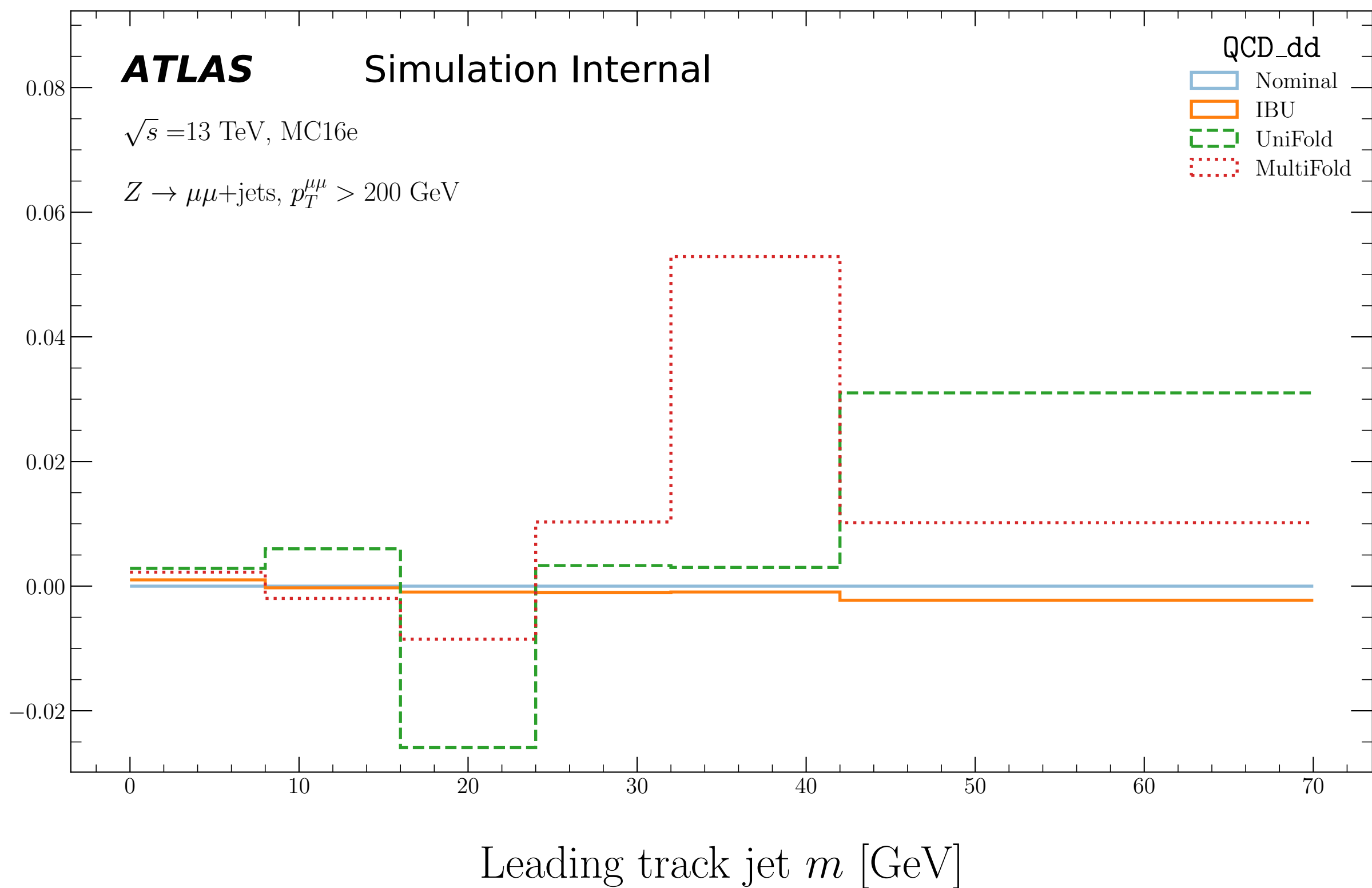
QCD_uu

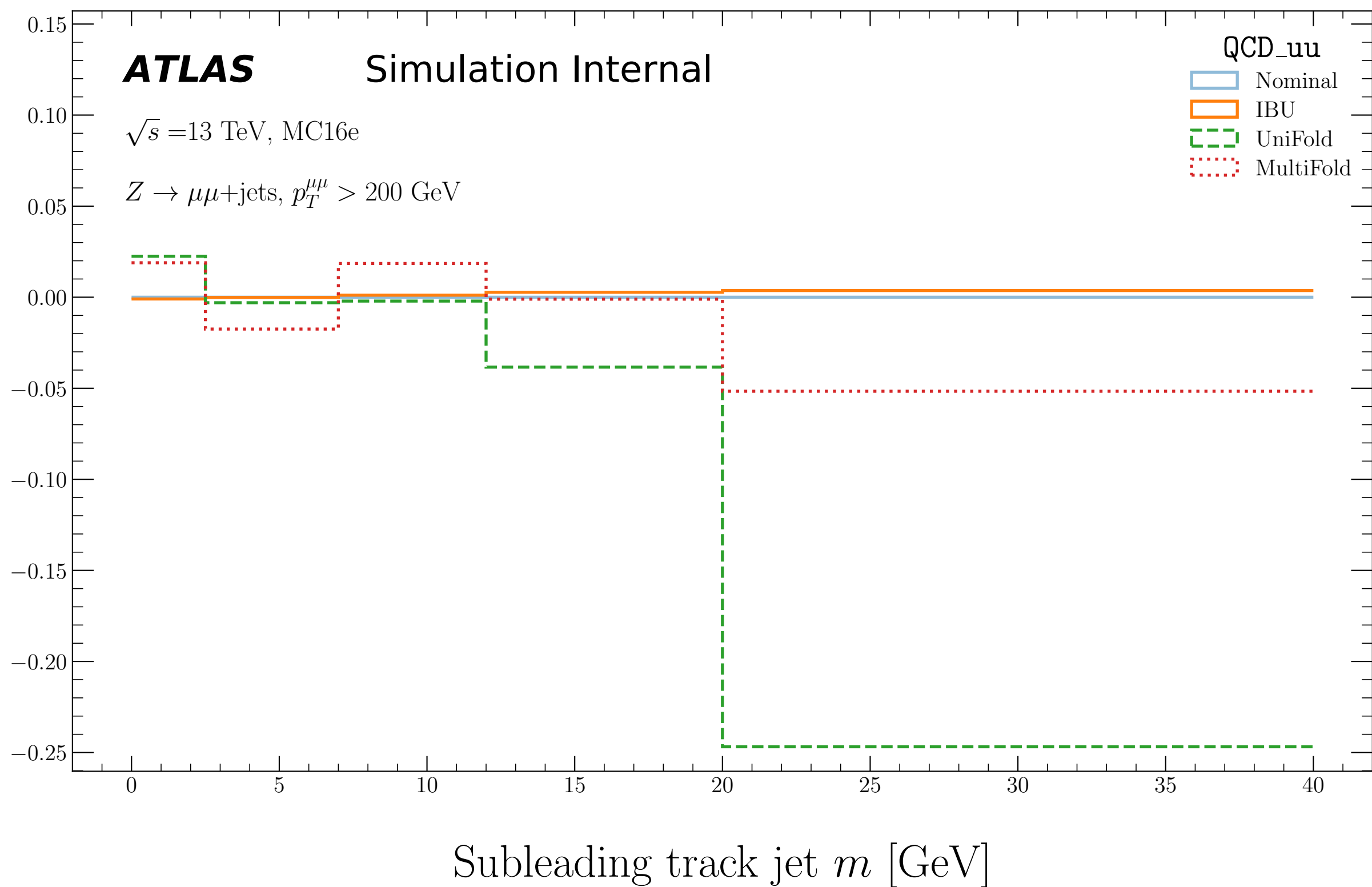
- Nominal
- IBU
- UniFold
- MultiFold

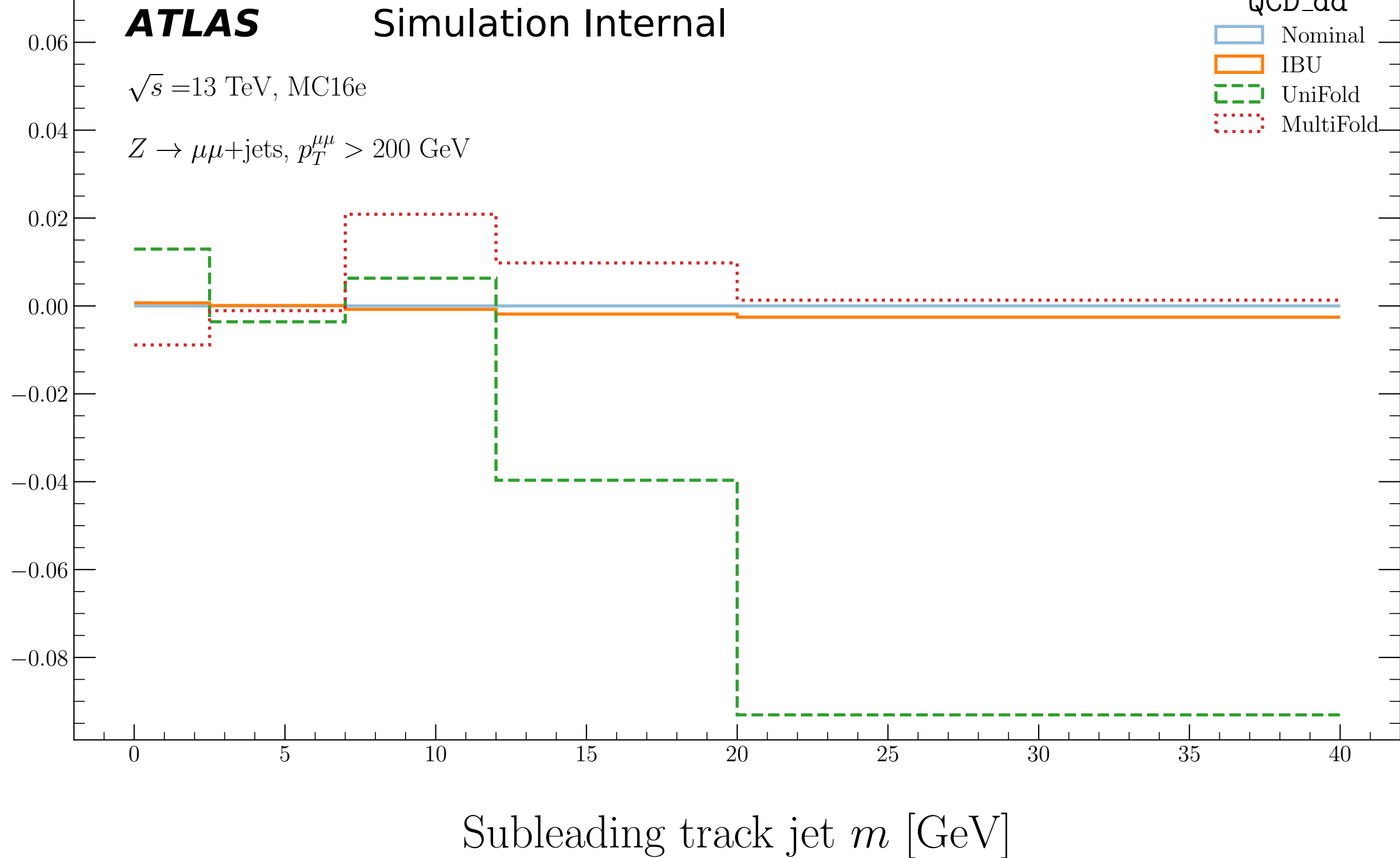
0.10
0.05
0.00
-0.05

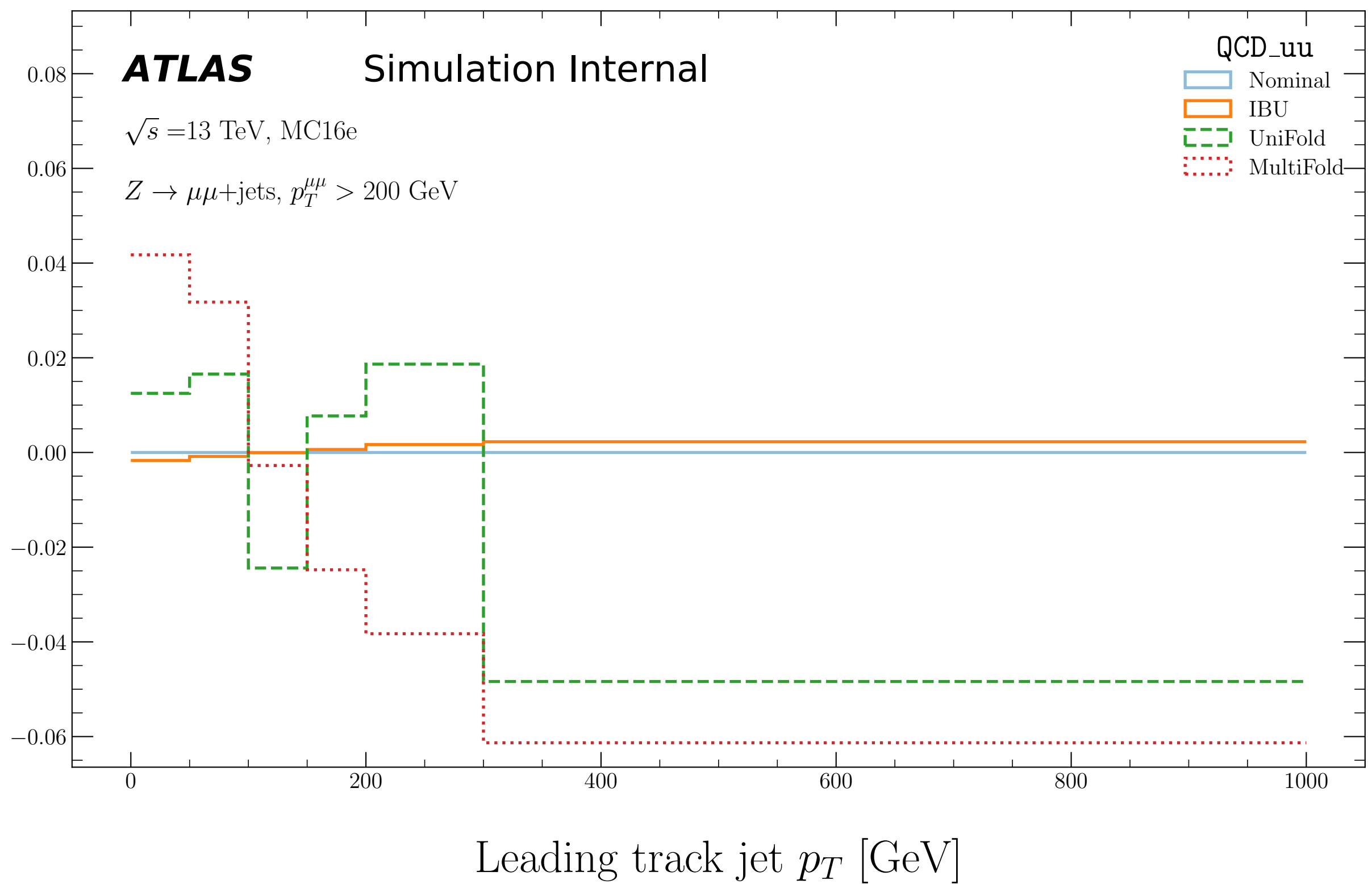
0 10 20 30 40 50 60 70

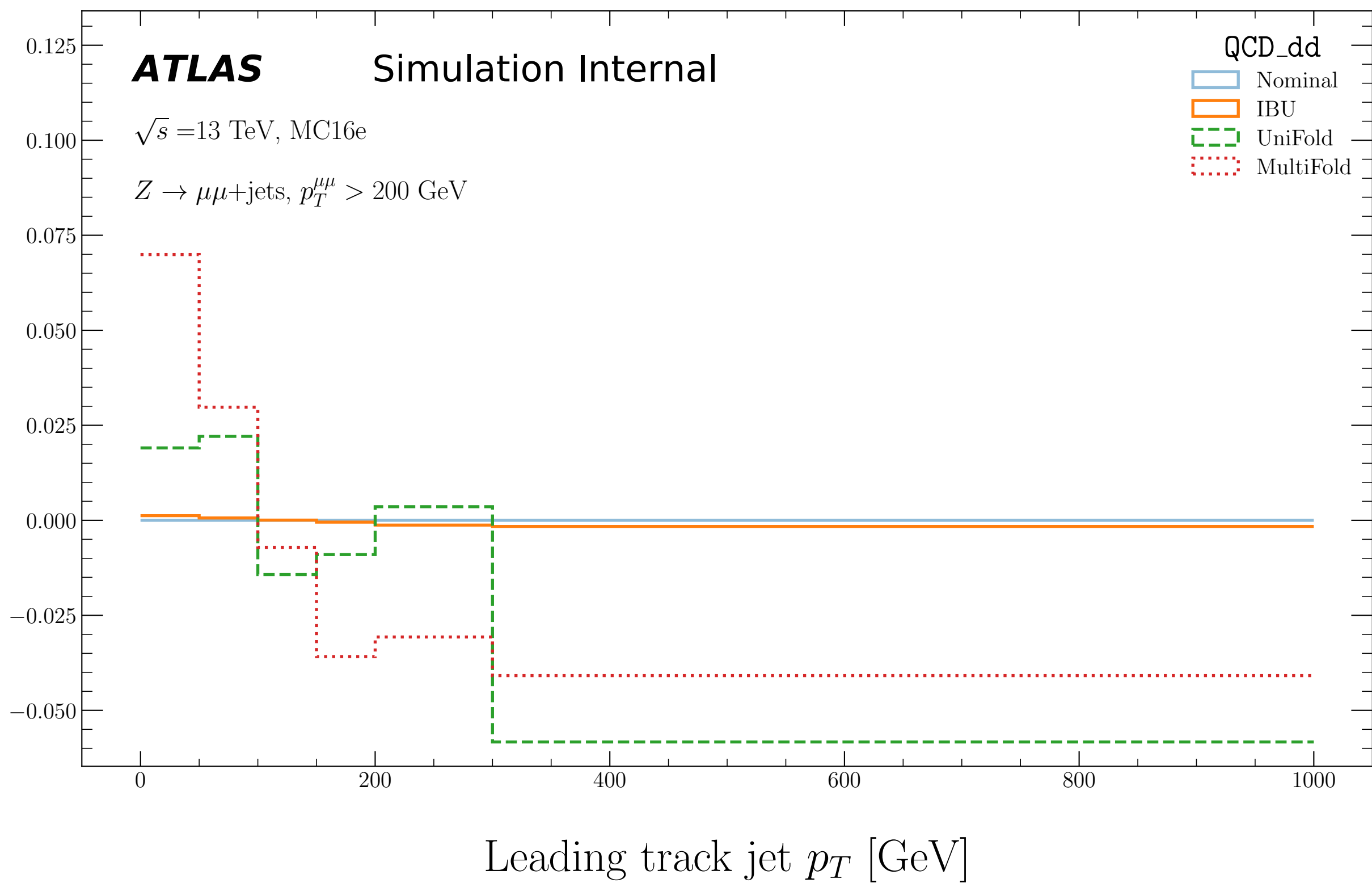
Leading track jet m [GeV]

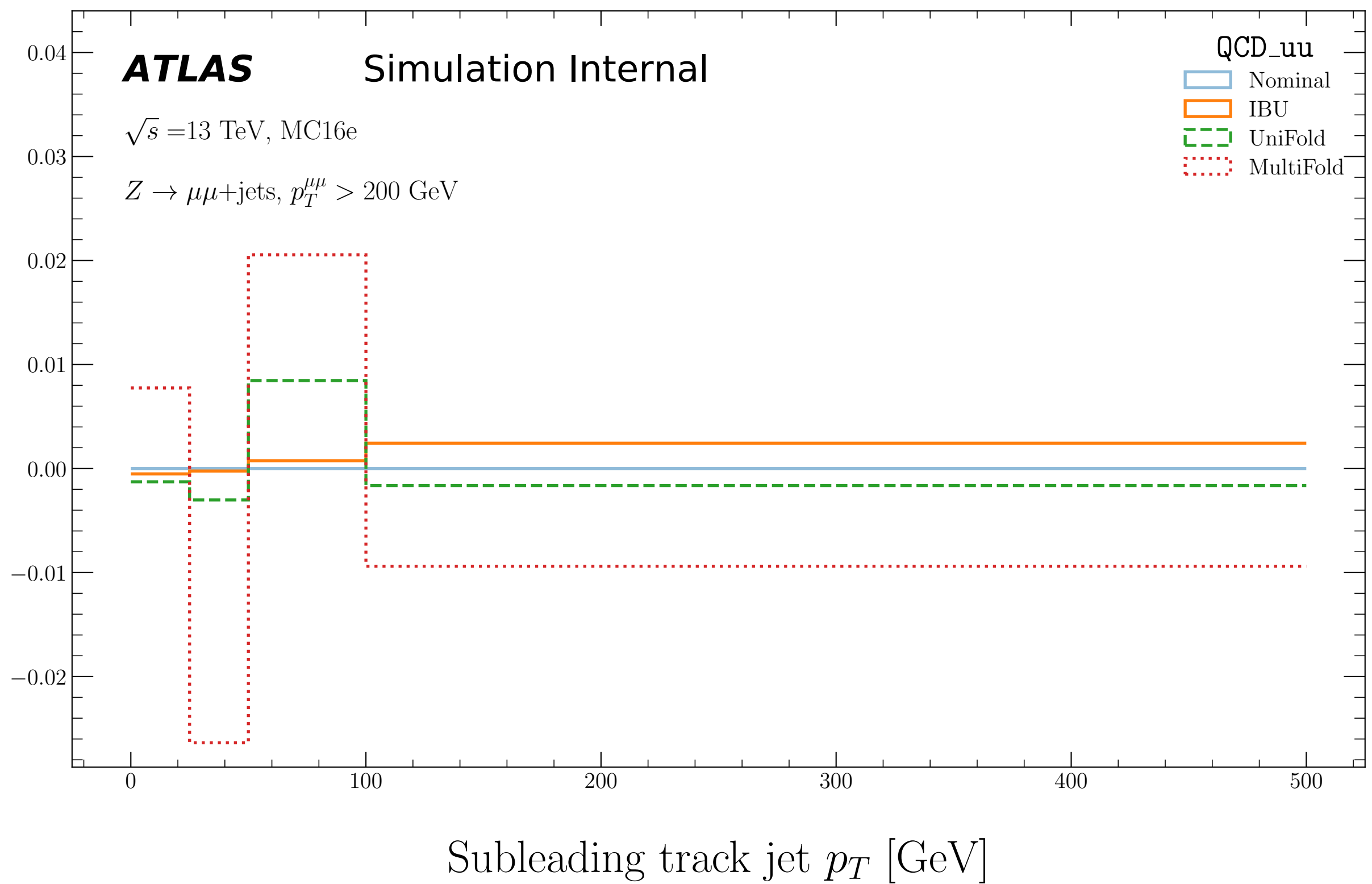


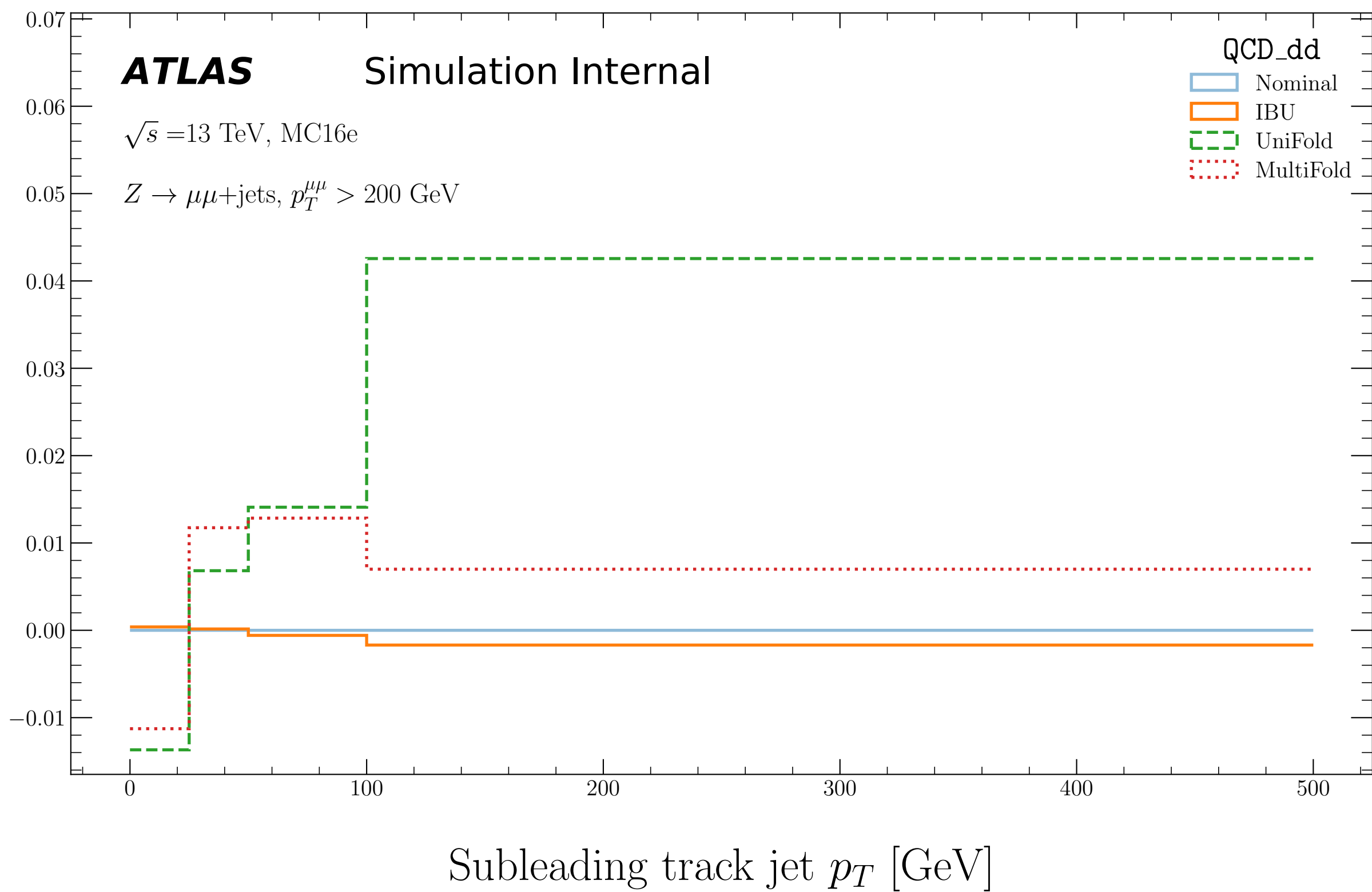


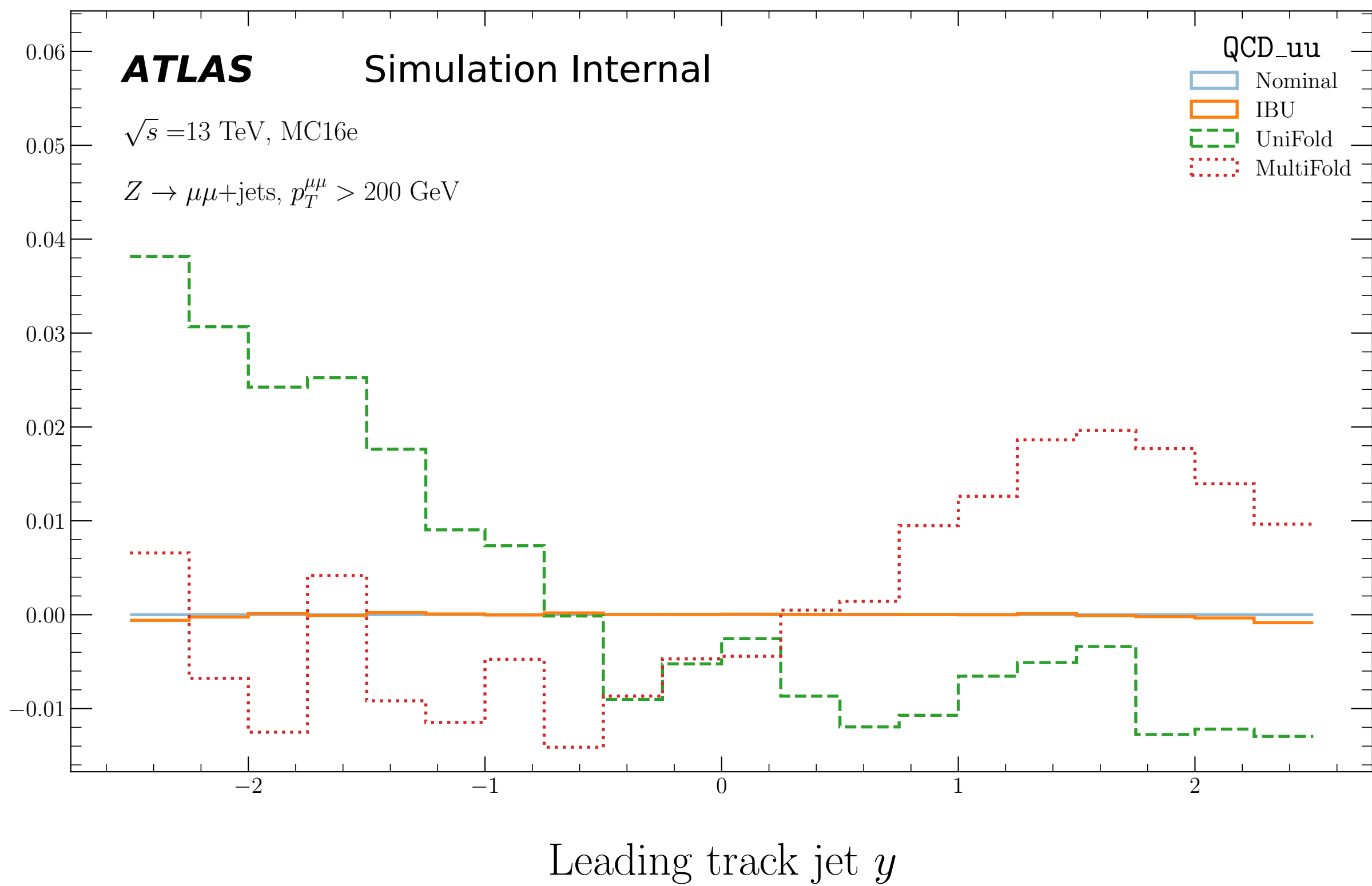












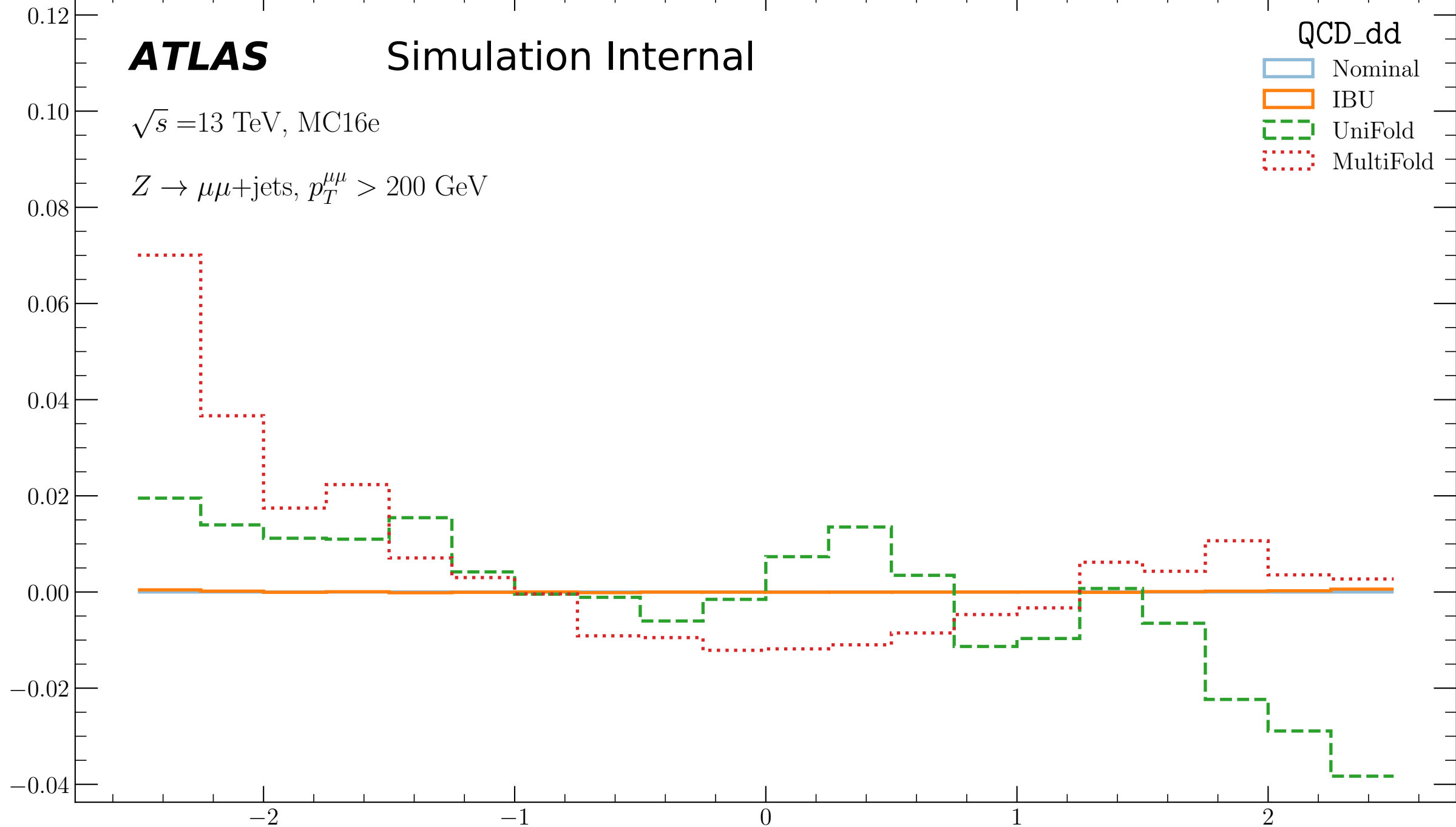
ATLAS

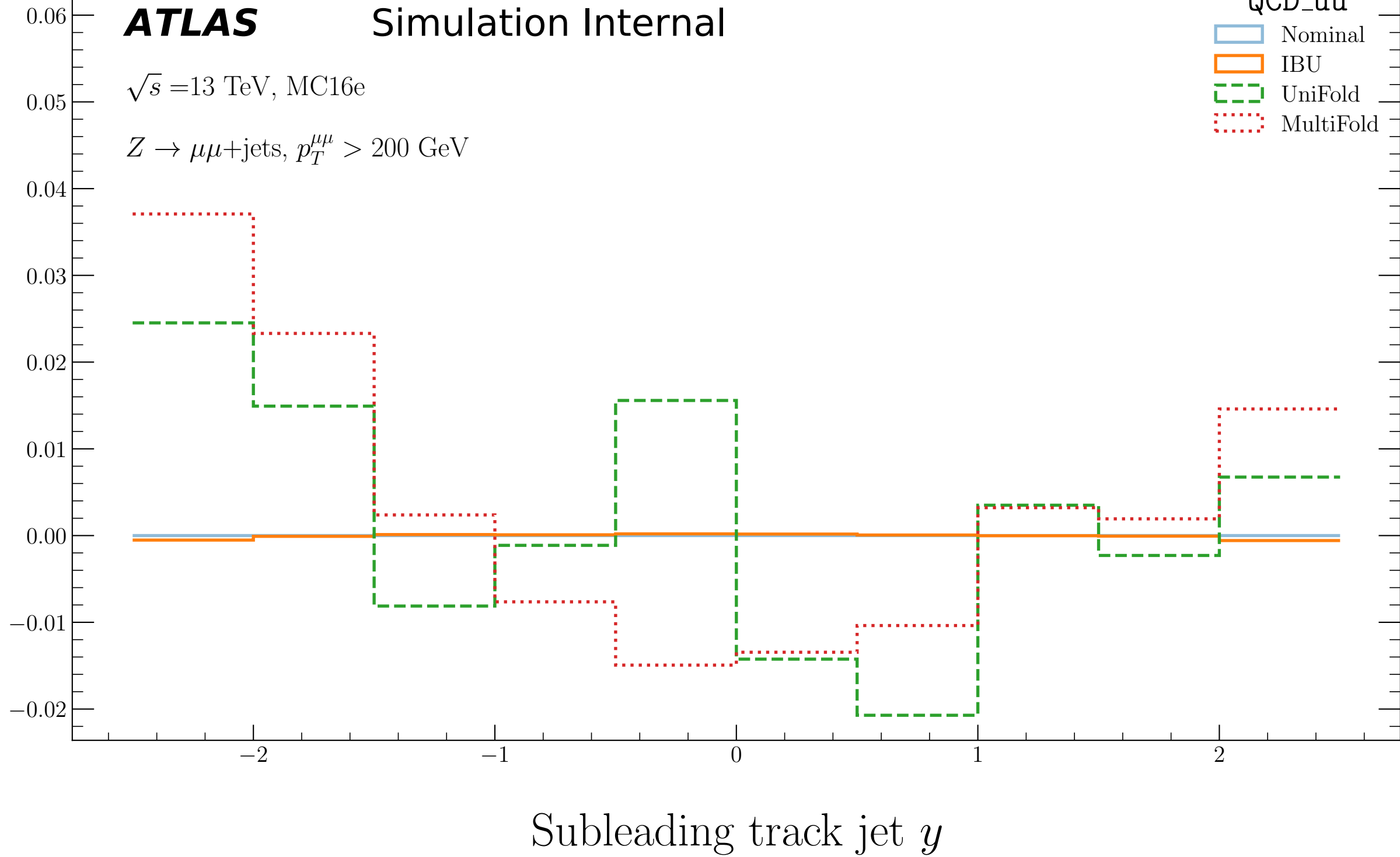
Simulation Internal

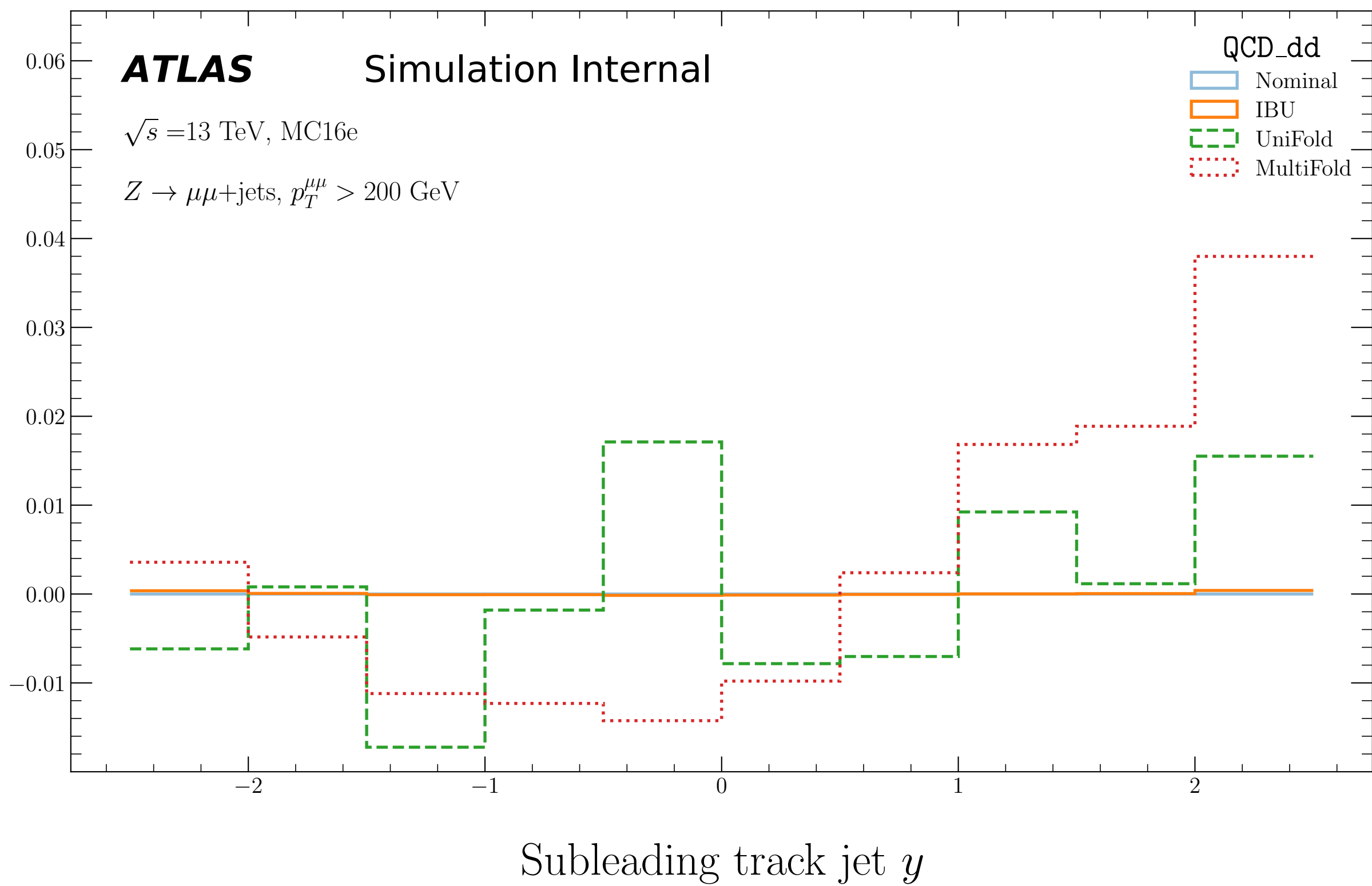
 $\sqrt{s} = 13$ TeV, MC16e $Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$ GeV

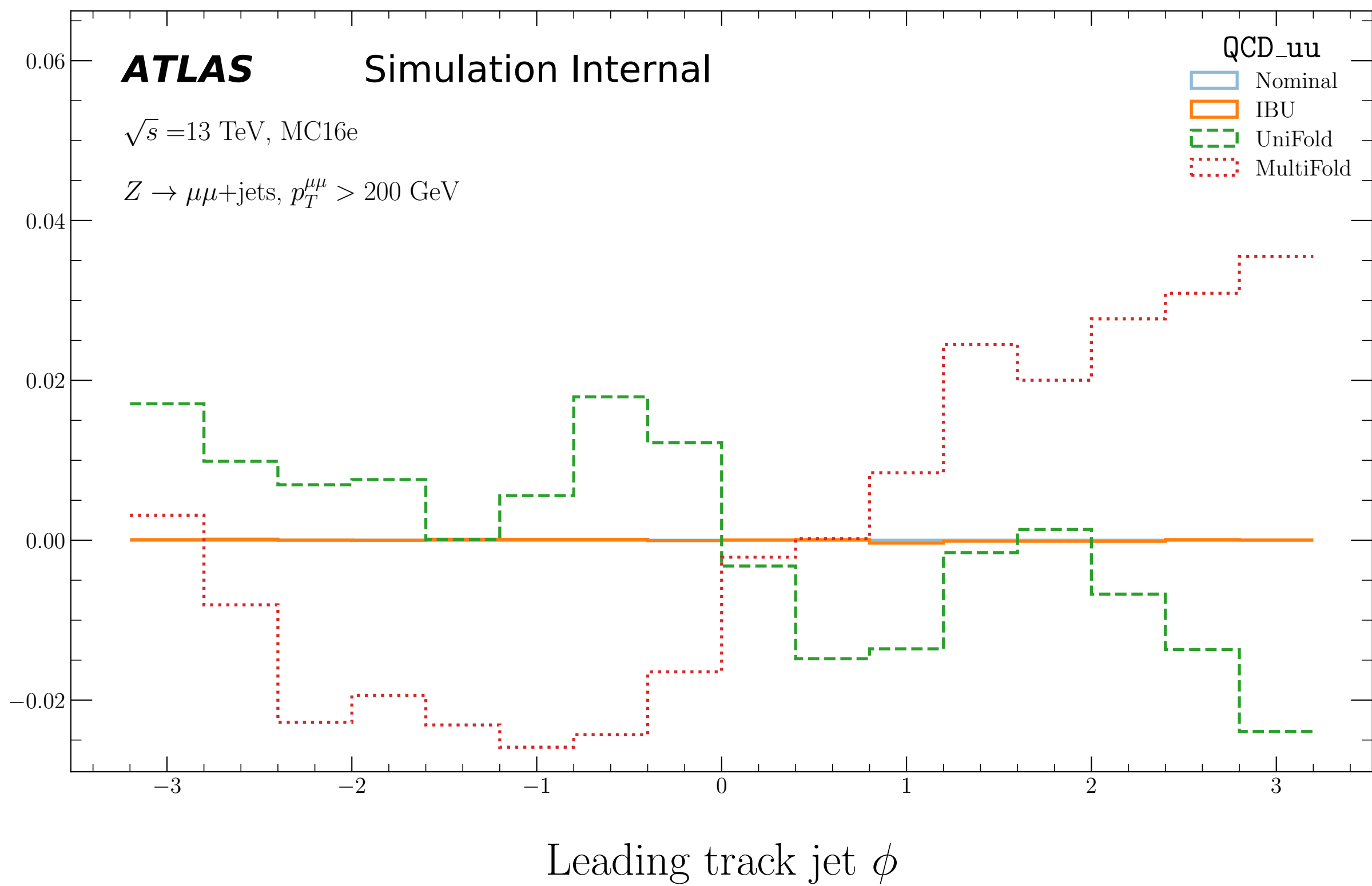
QCD_dd

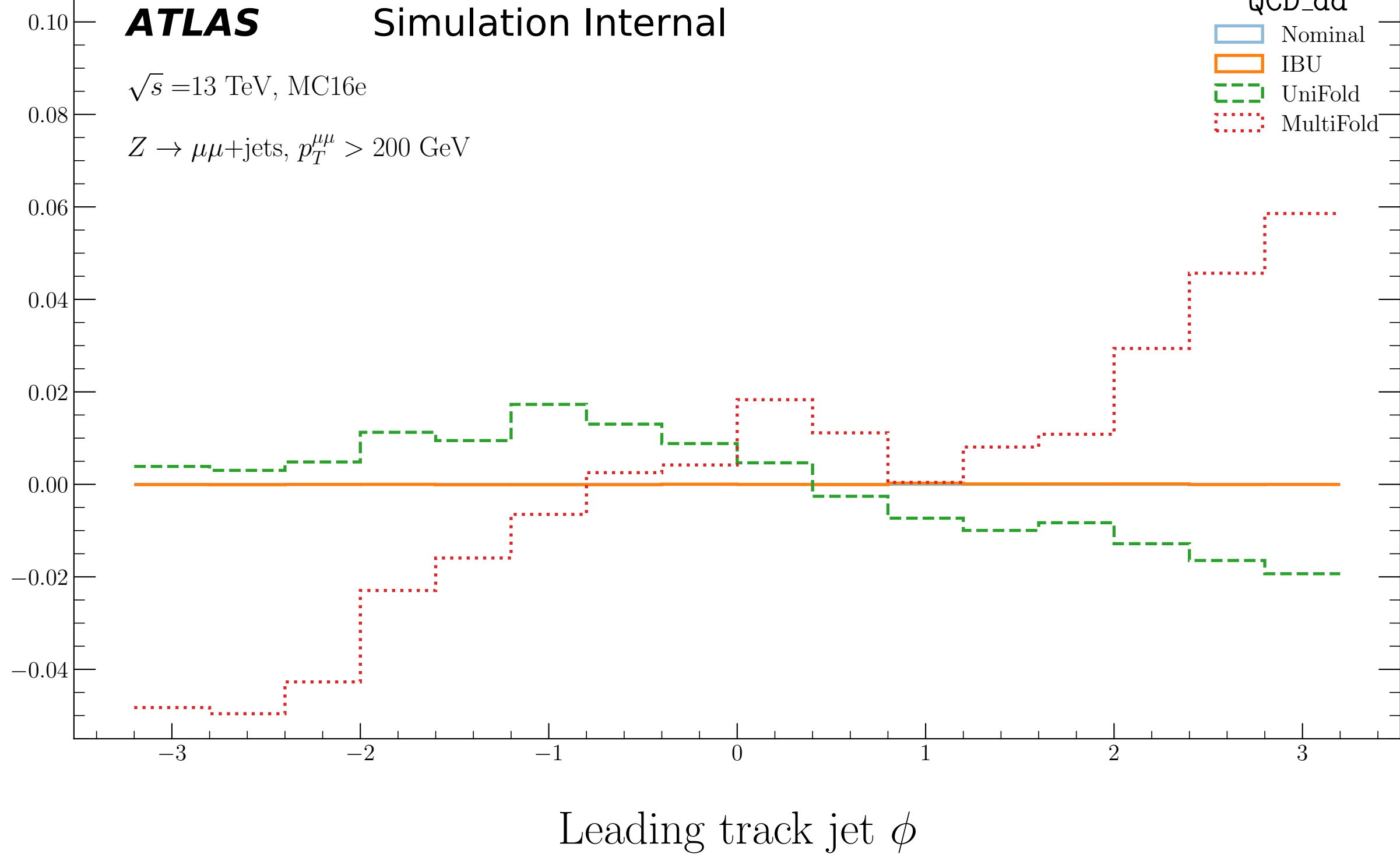
- Nominal
- IBU
- UniFold
- MultiFold

Leading track jet y









ATLAS

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 $\sqrt{s} = 13$ TeV, MC16e $Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$ GeV

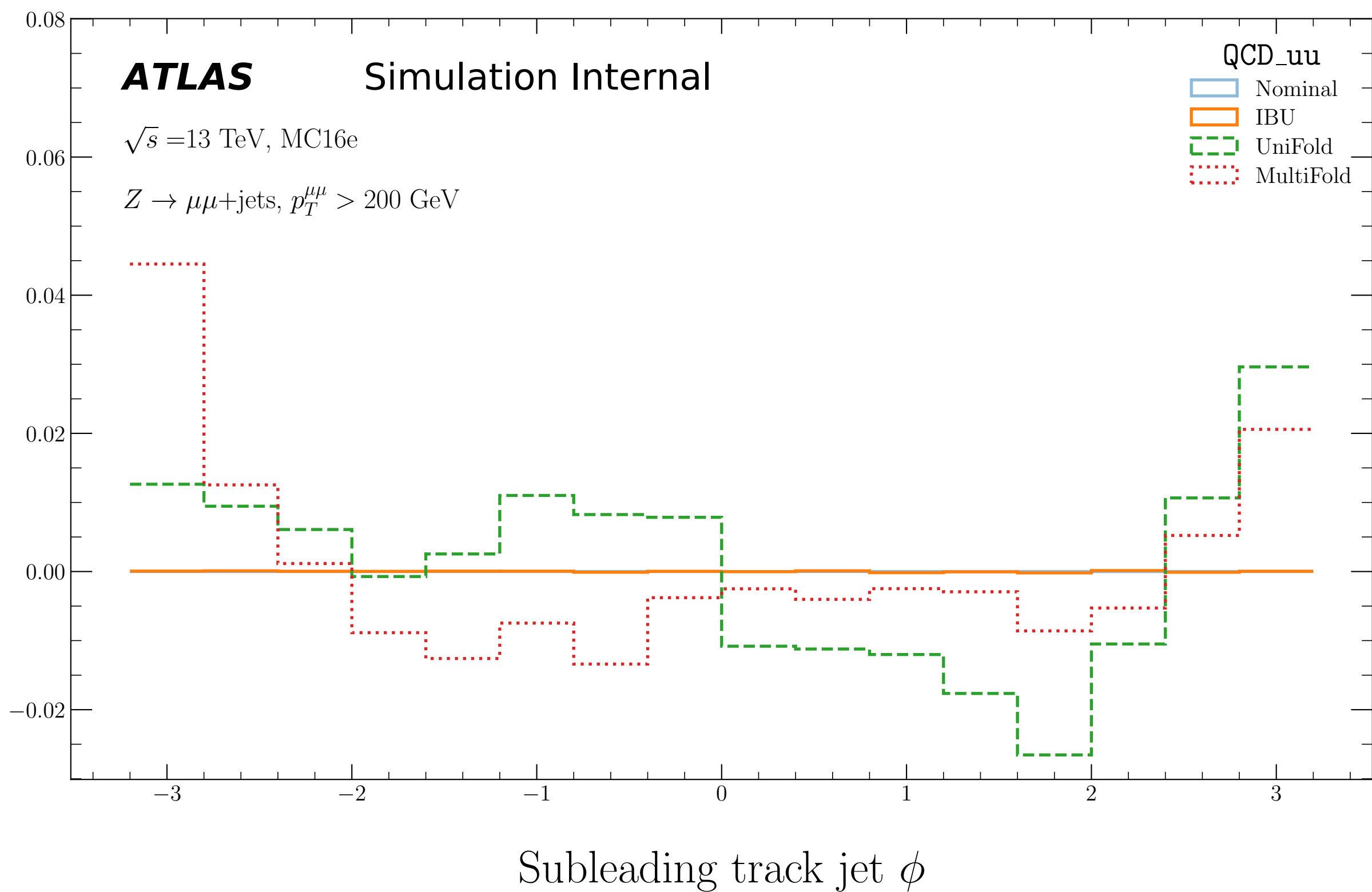
QCD_uu

Nominal

IBU

UniFold

MultiFold



ATLAS

Simulation Internal

 $\sqrt{s} = 13$ TeV, MC16e $Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$ GeV

QCD_dd

- Nominal
- IBU
- UniFold
- MultiFold

0.04
0.03
0.02
0.01
0.00
-0.01
-0.02

-3

-2

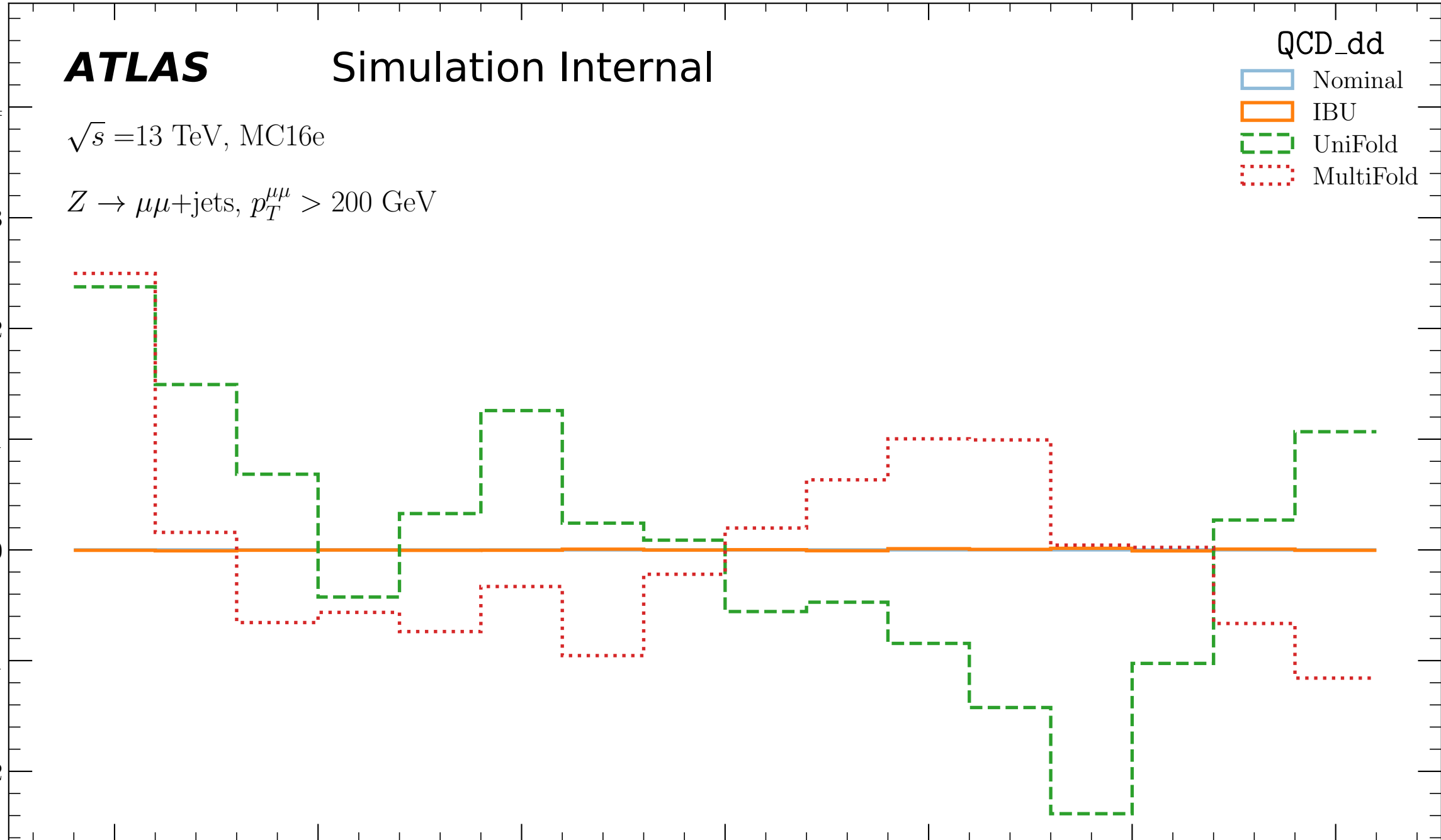
-1

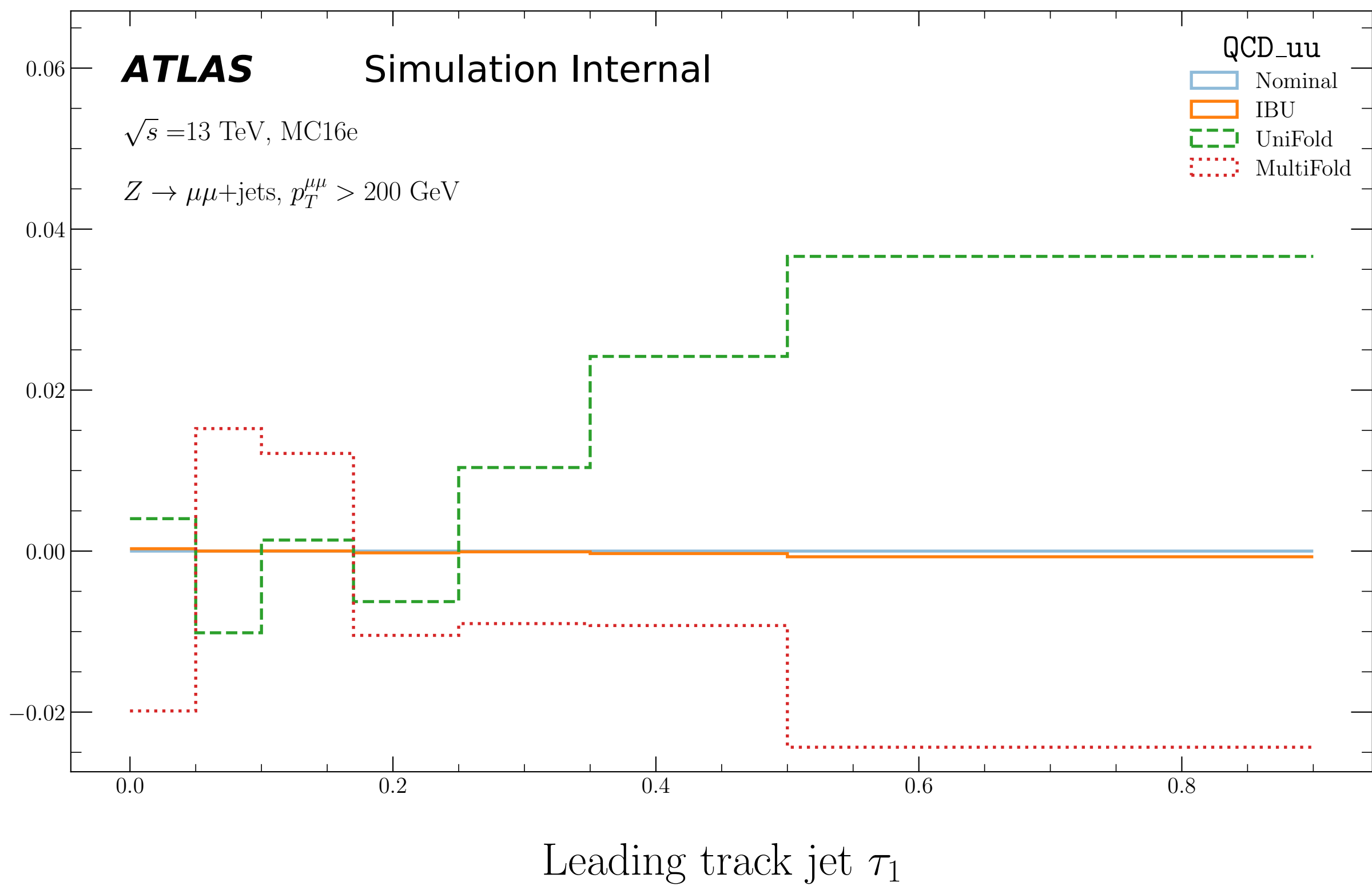
0

1

2

3

Subleading track jet ϕ 



ATLAS

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 $\sqrt{s} = 13$ TeV, MC16e $Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$ GeV

QCD_dd

- Nominal
- IBU
- UniFold
- MultiFold

0.10
0.08
0.06
0.04
0.02
0.00
-0.02

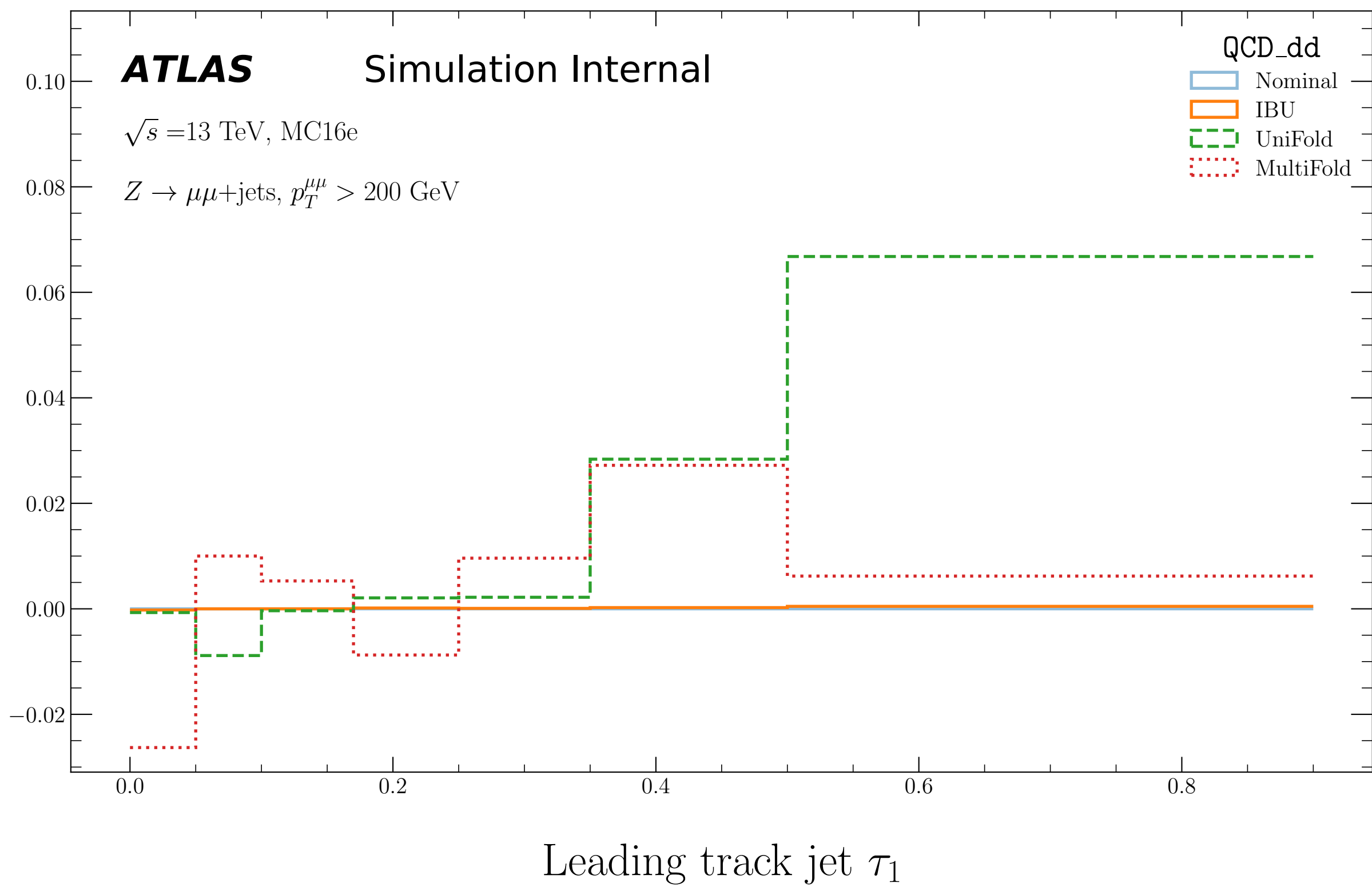
0.0

0.2

0.4

0.6

0.8

Leading track jet τ_1 

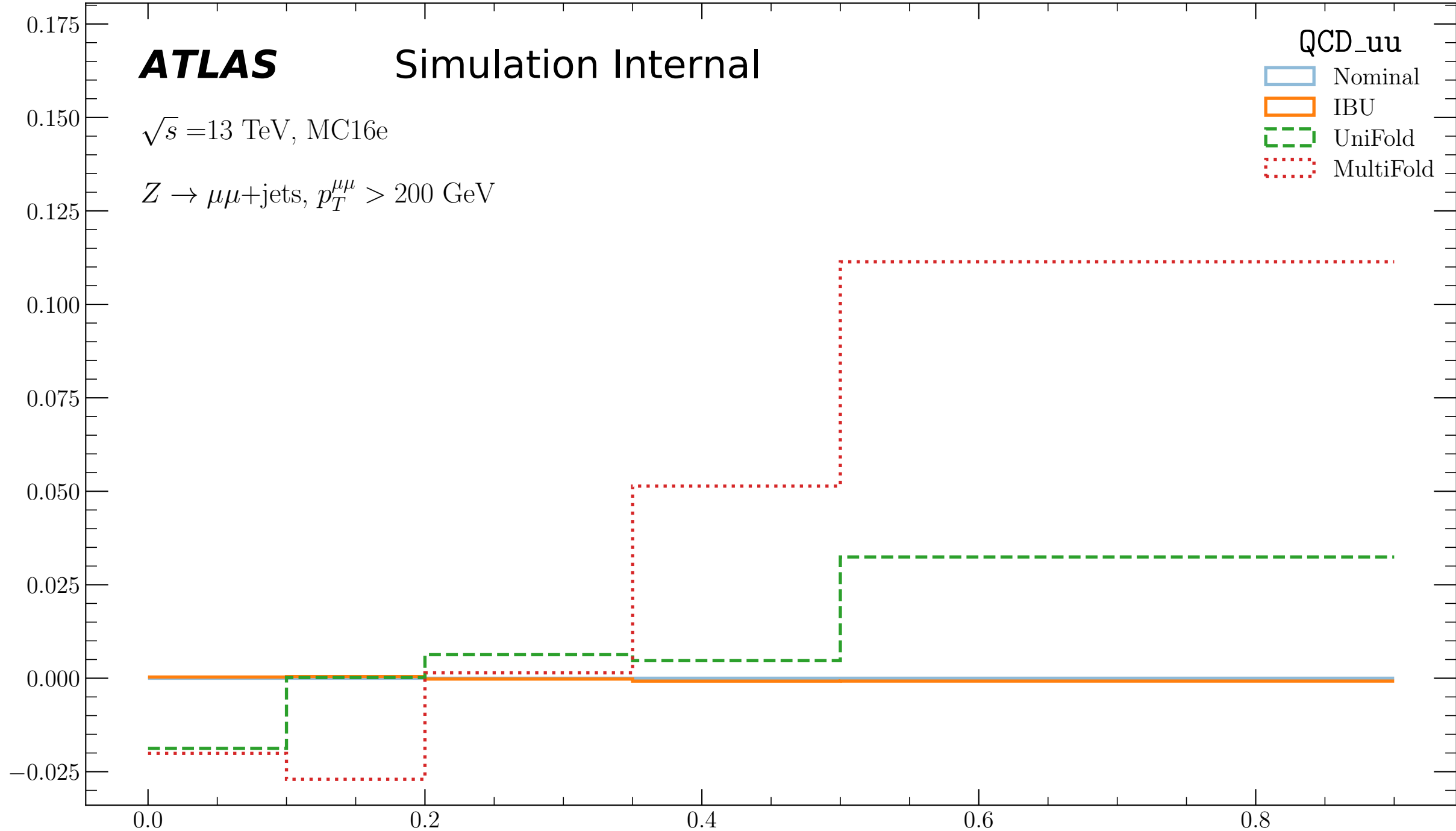
ATLAS

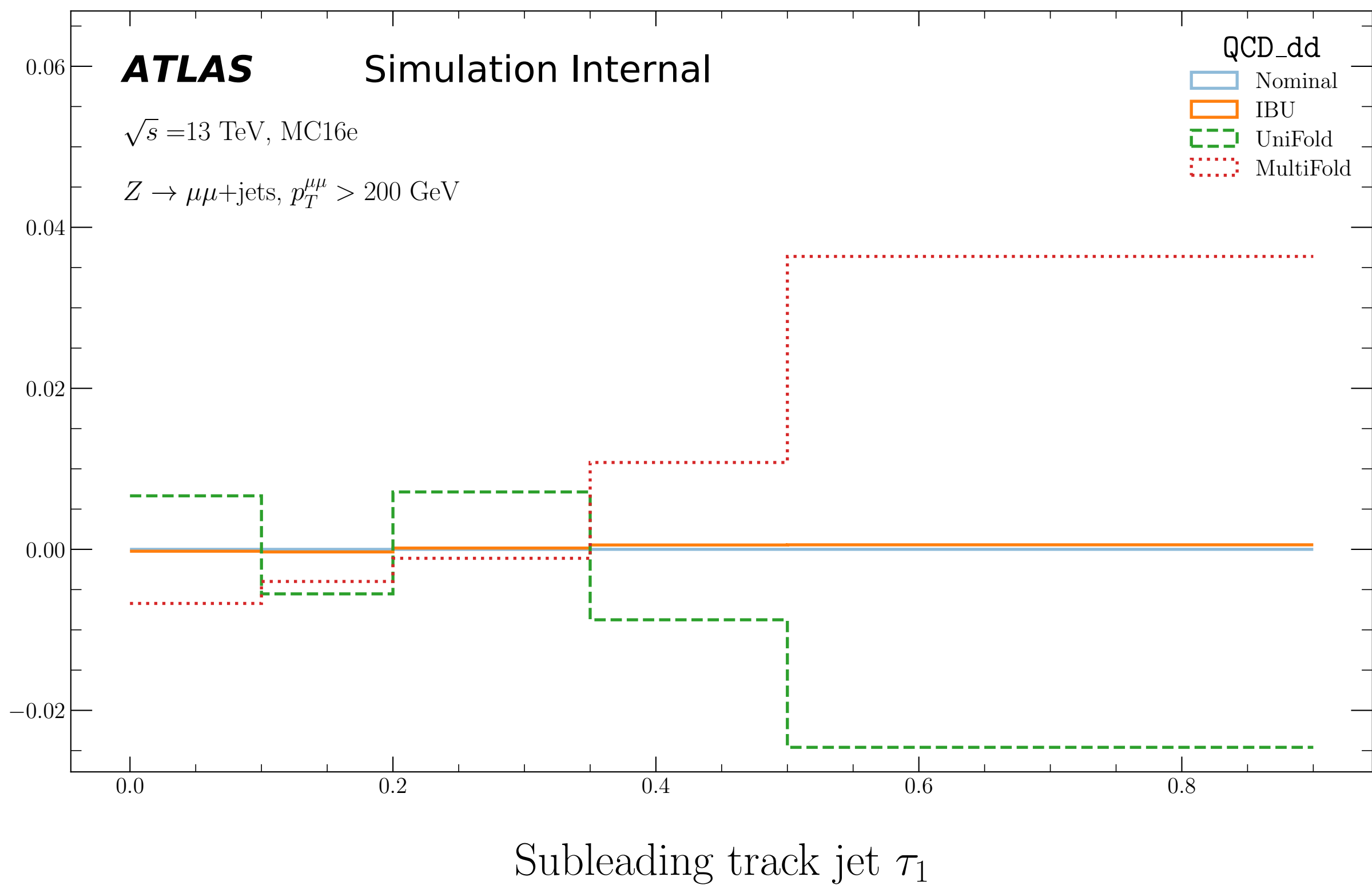
Simulation Internal

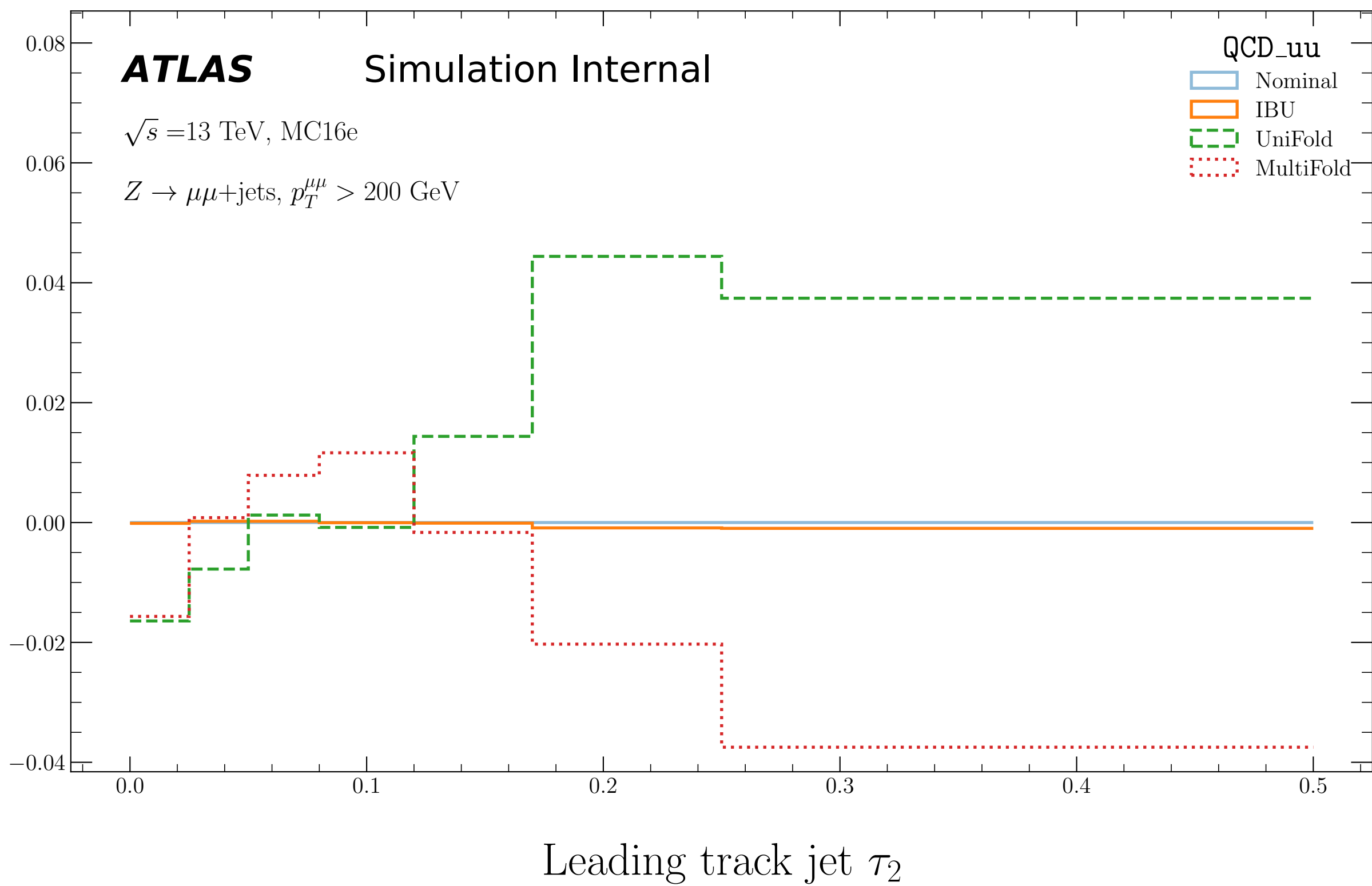
 $\sqrt{s}=13$ TeV, MC16e $Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$ GeV

QCD_uu

- Nominal
- IBU
- UniFold
- MultiFold

Subleading track jet τ_1





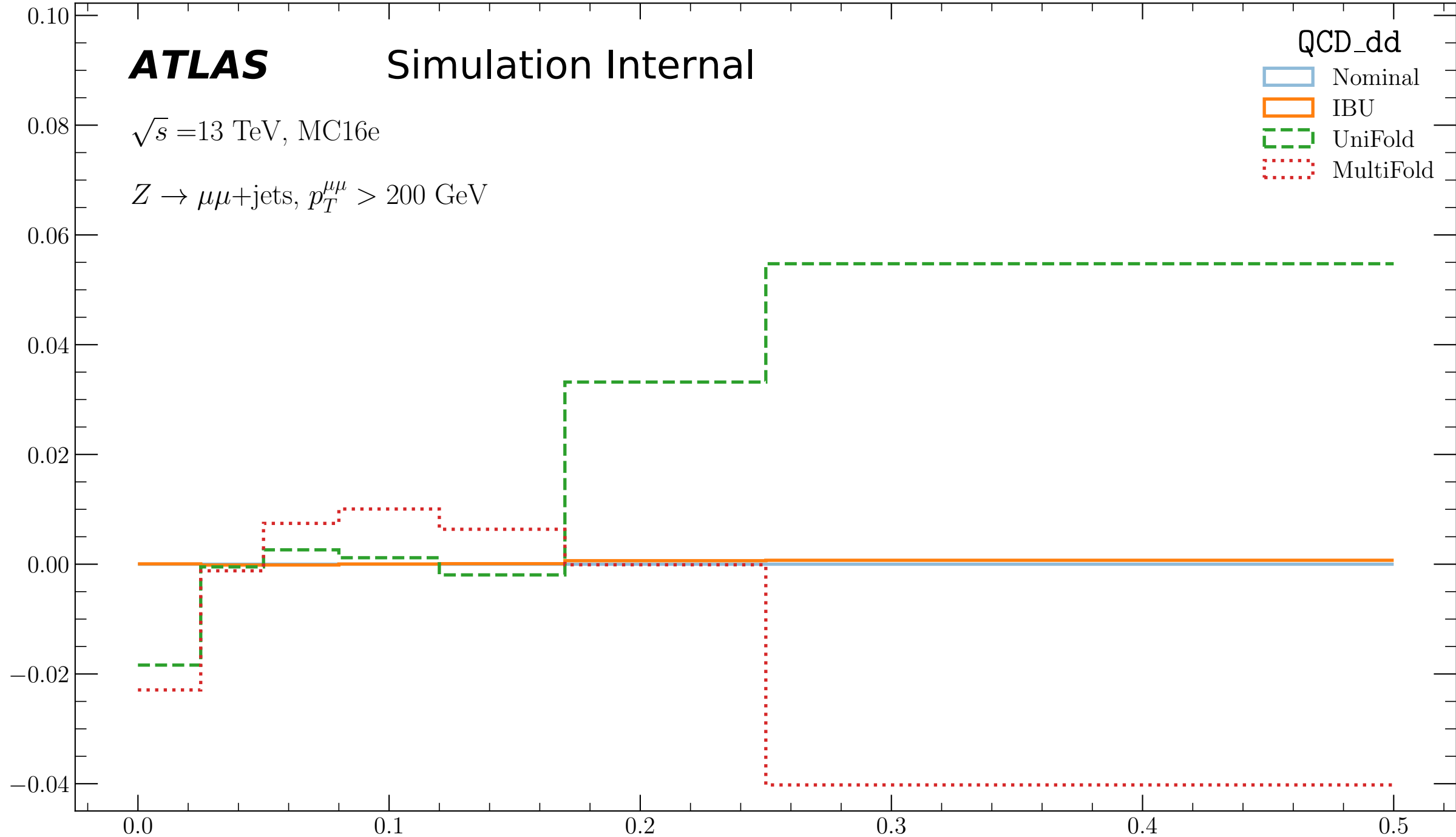
ATLAS

Simulation Internal

 $\sqrt{s} = 13$ TeV, MC16e $Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$ GeV

QCD_dd

- Nominal
- IBU
- UniFold
- MultiFold

Leading track jet τ_2

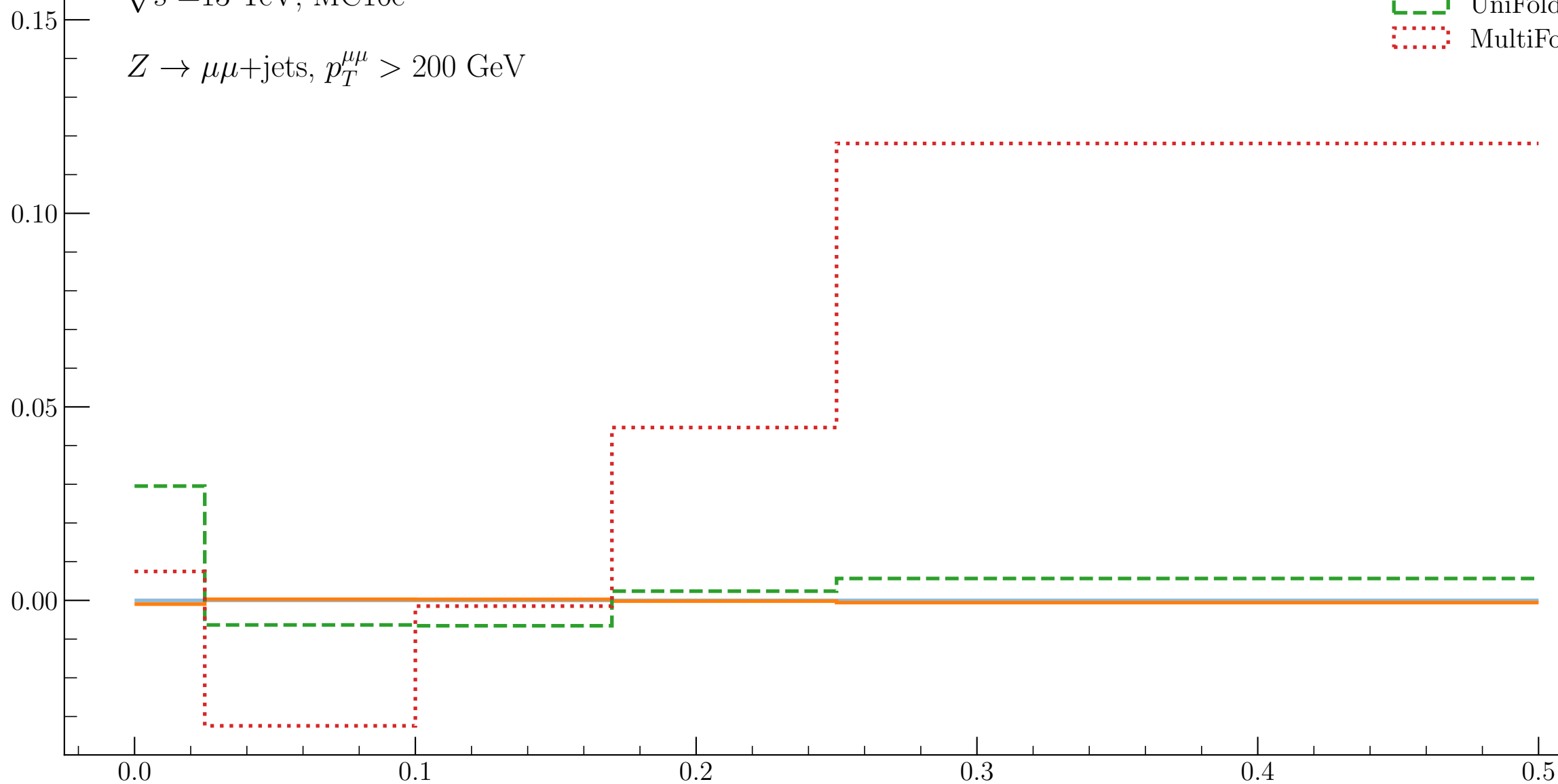
ATLAS

Simulation Internal

 $\sqrt{s} = 13$ TeV, MC16e $Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$ GeV

QCD_uu

- Nominal
- IBU
- UniFold
- MultiFold

Subleading track jet τ_2

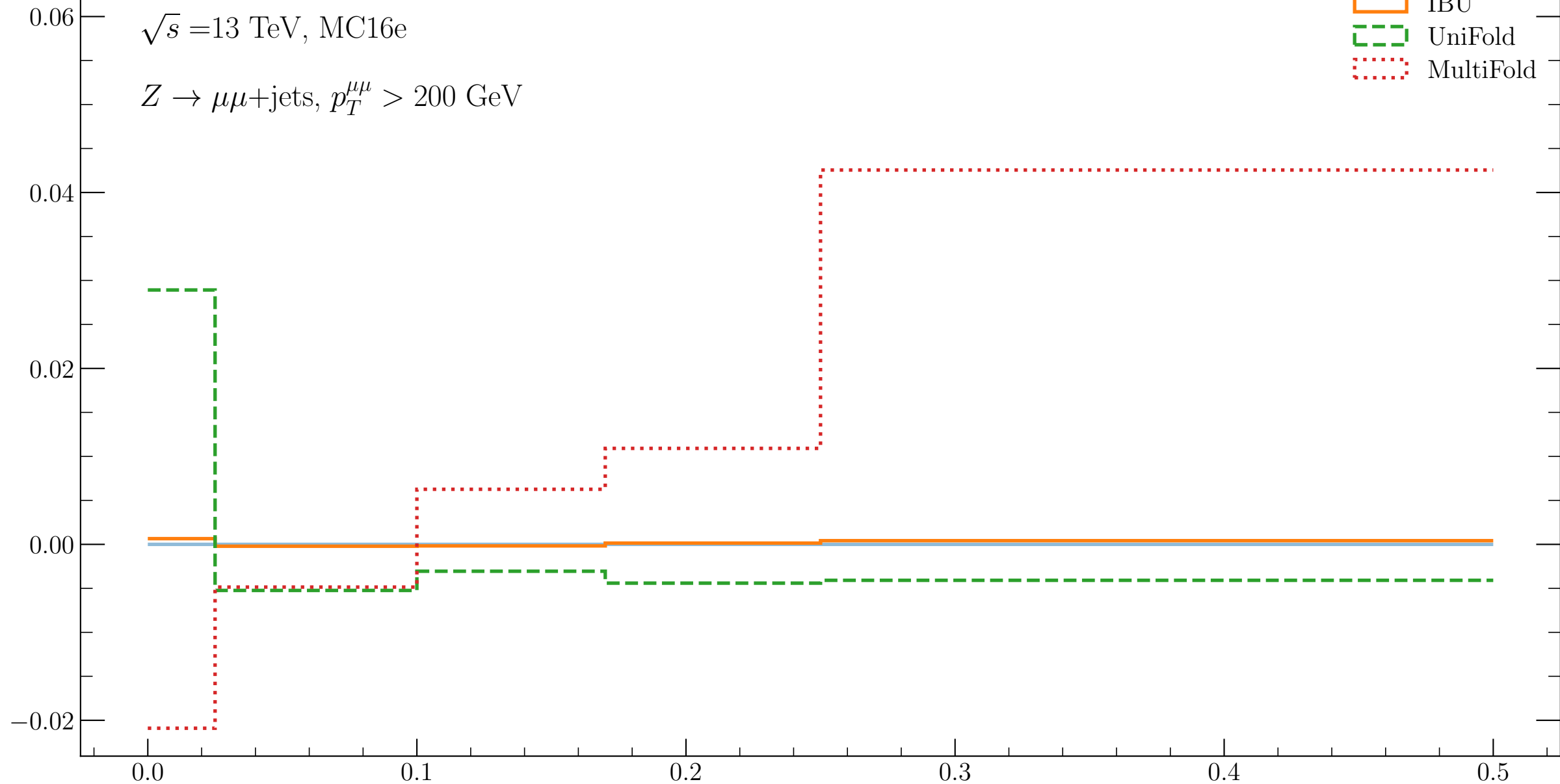
ATLAS

Simulation Internal

 $\sqrt{s} = 13$ TeV, MC16e $Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$ GeV

QCD_dd

- Nominal
- IBU
- UniFold
- MultiFold

Subleading track jet τ_2

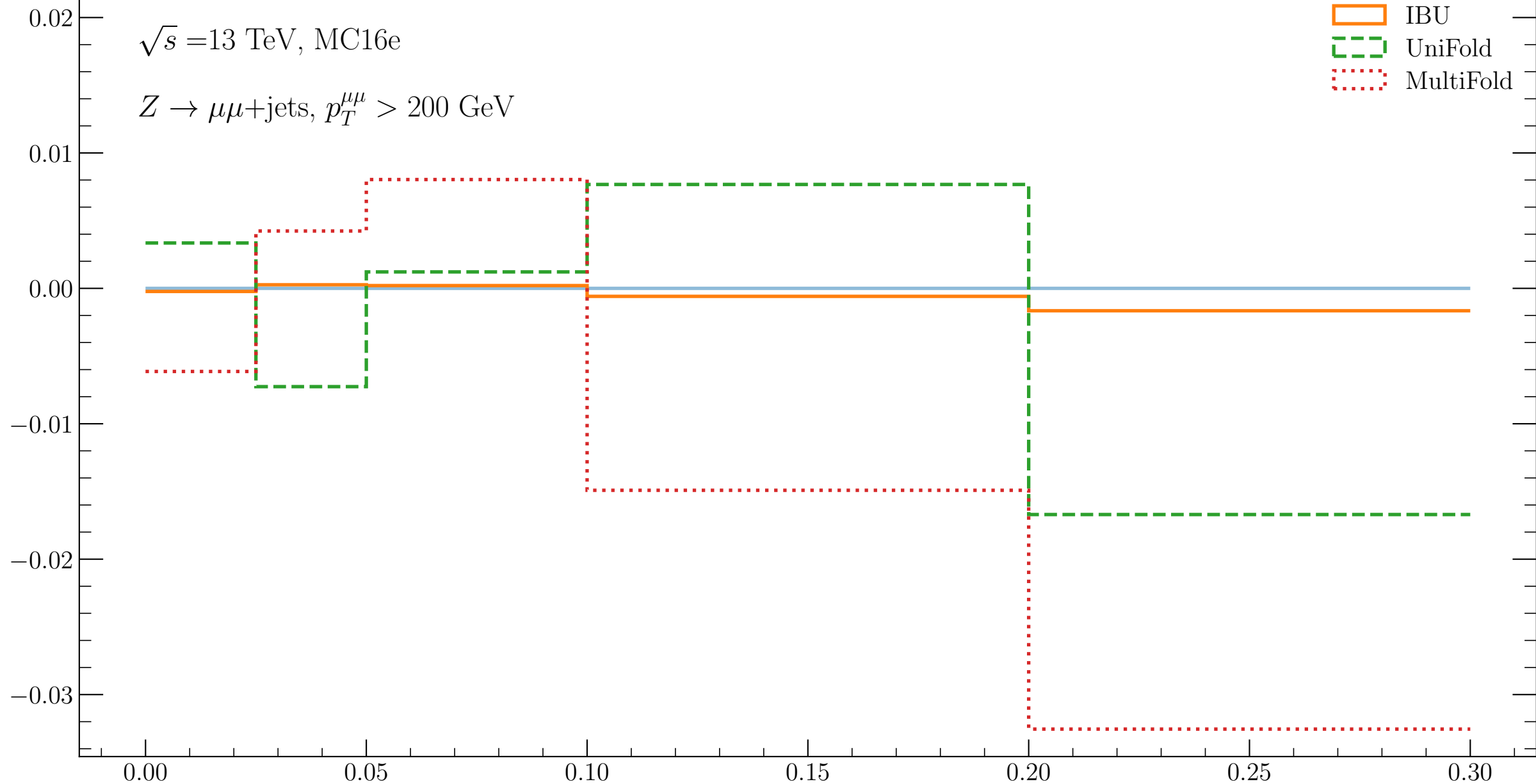
ATLAS

Simulation Internal

 $\sqrt{s} = 13$ TeV, MC16e $Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$ GeV

QCD_uu

- Nominal
- IBU
- UniFold
- MultiFold

Leading track jet τ_3

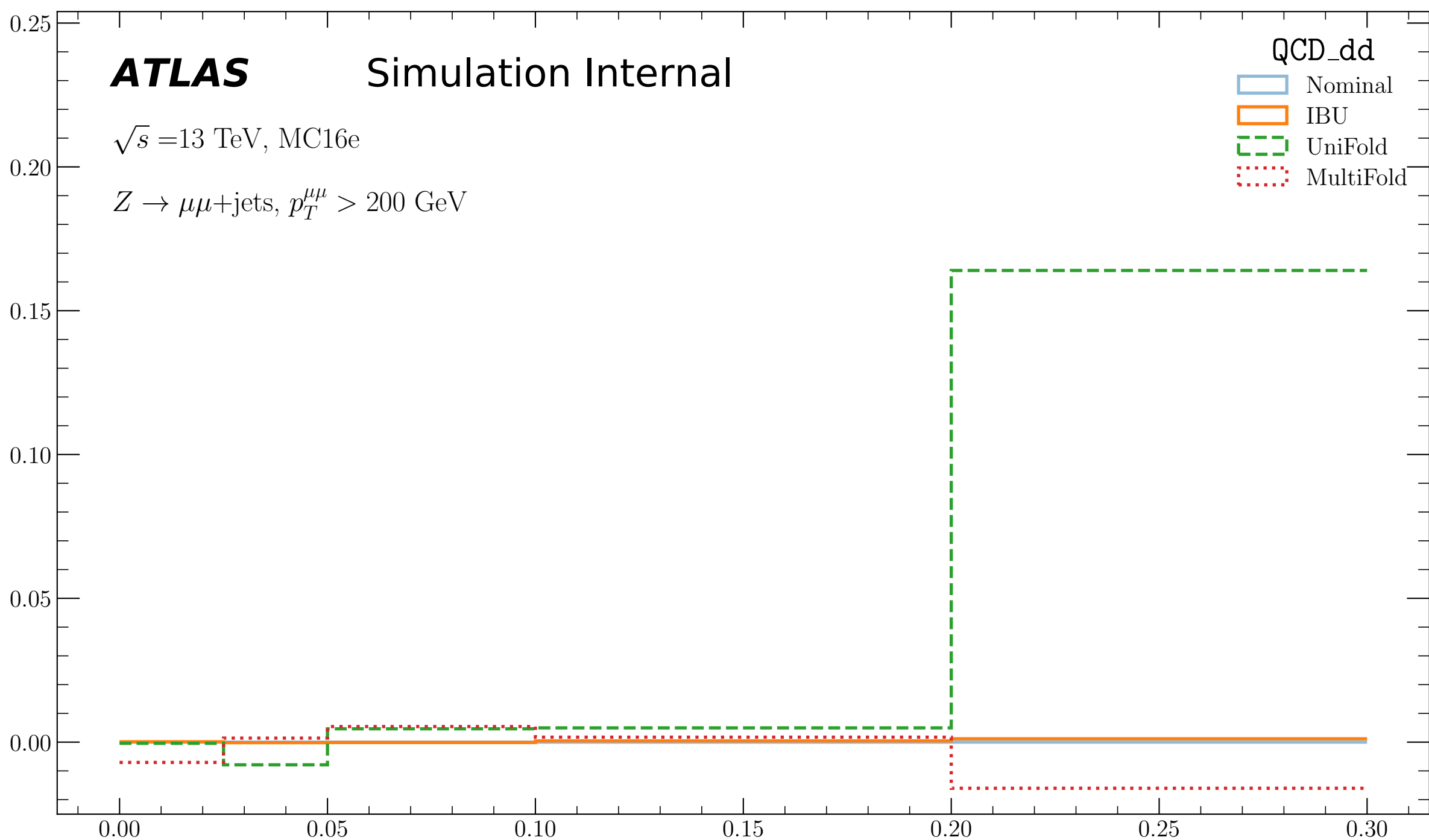
ATLAS

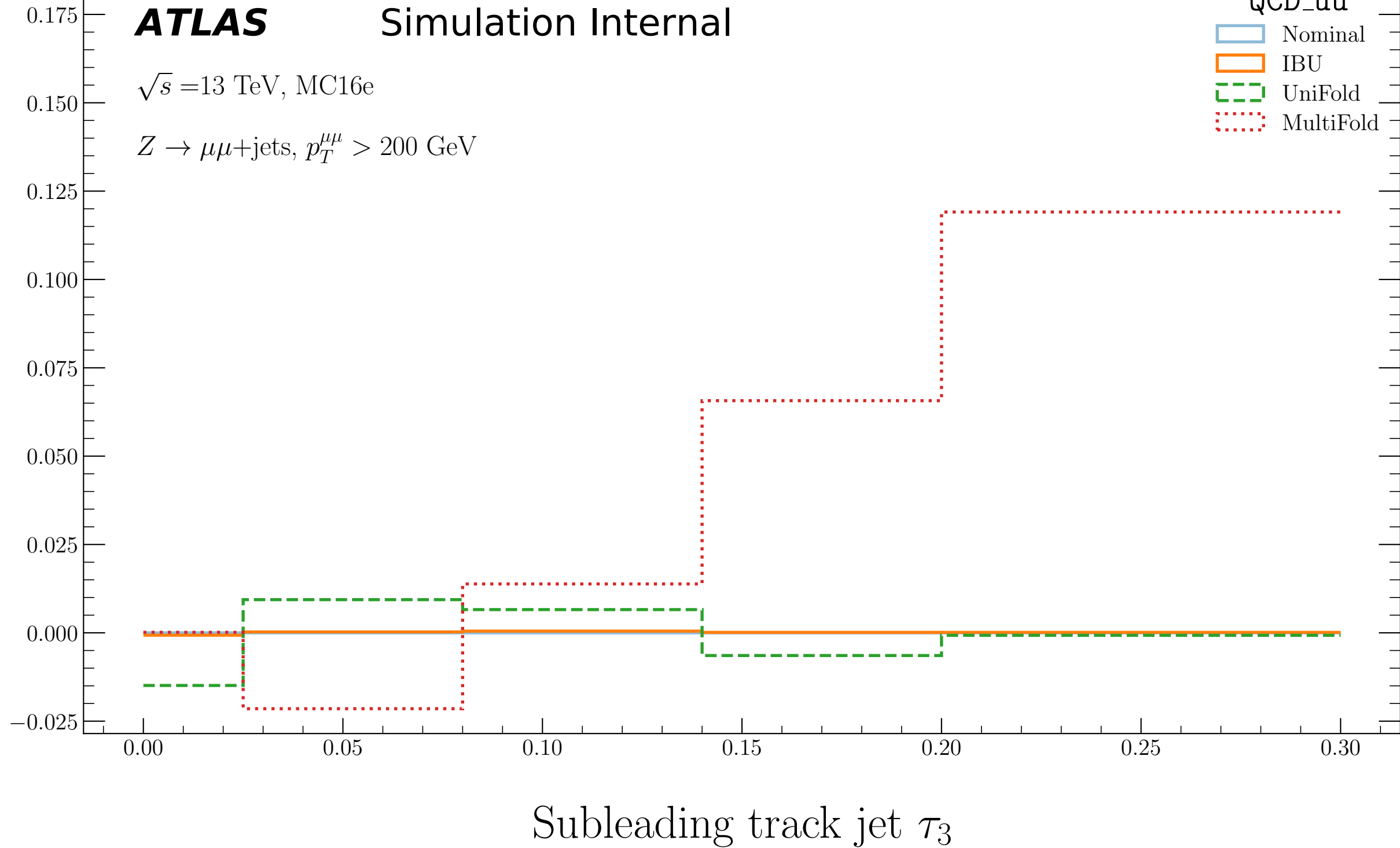
Simulation Internal

 $\sqrt{s} = 13$ TeV, MC16e $Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$ GeV

QCD_dd

- Nominal
- IBU
- UniFold
- MultiFold

Leading track jet τ_3



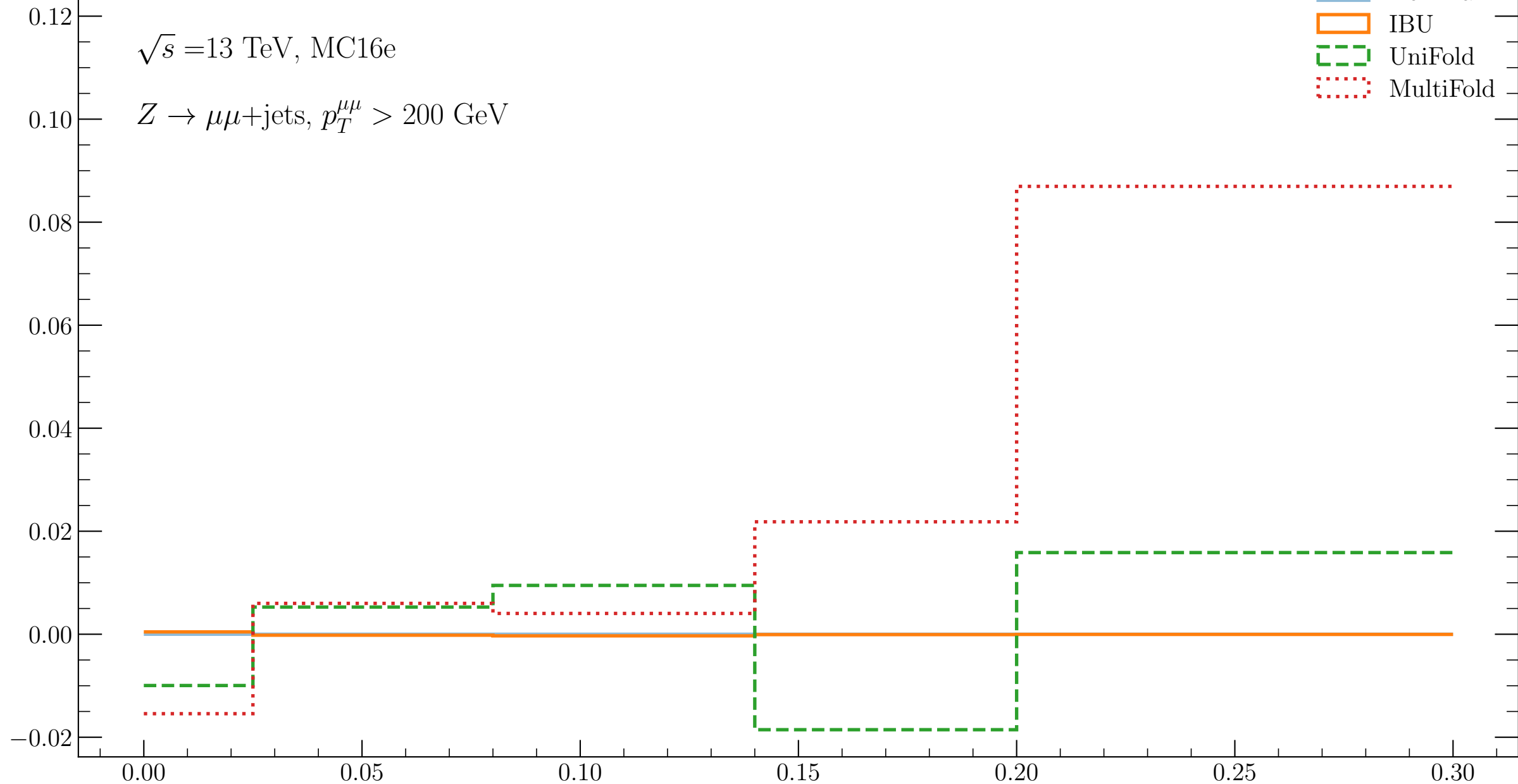
ATLAS

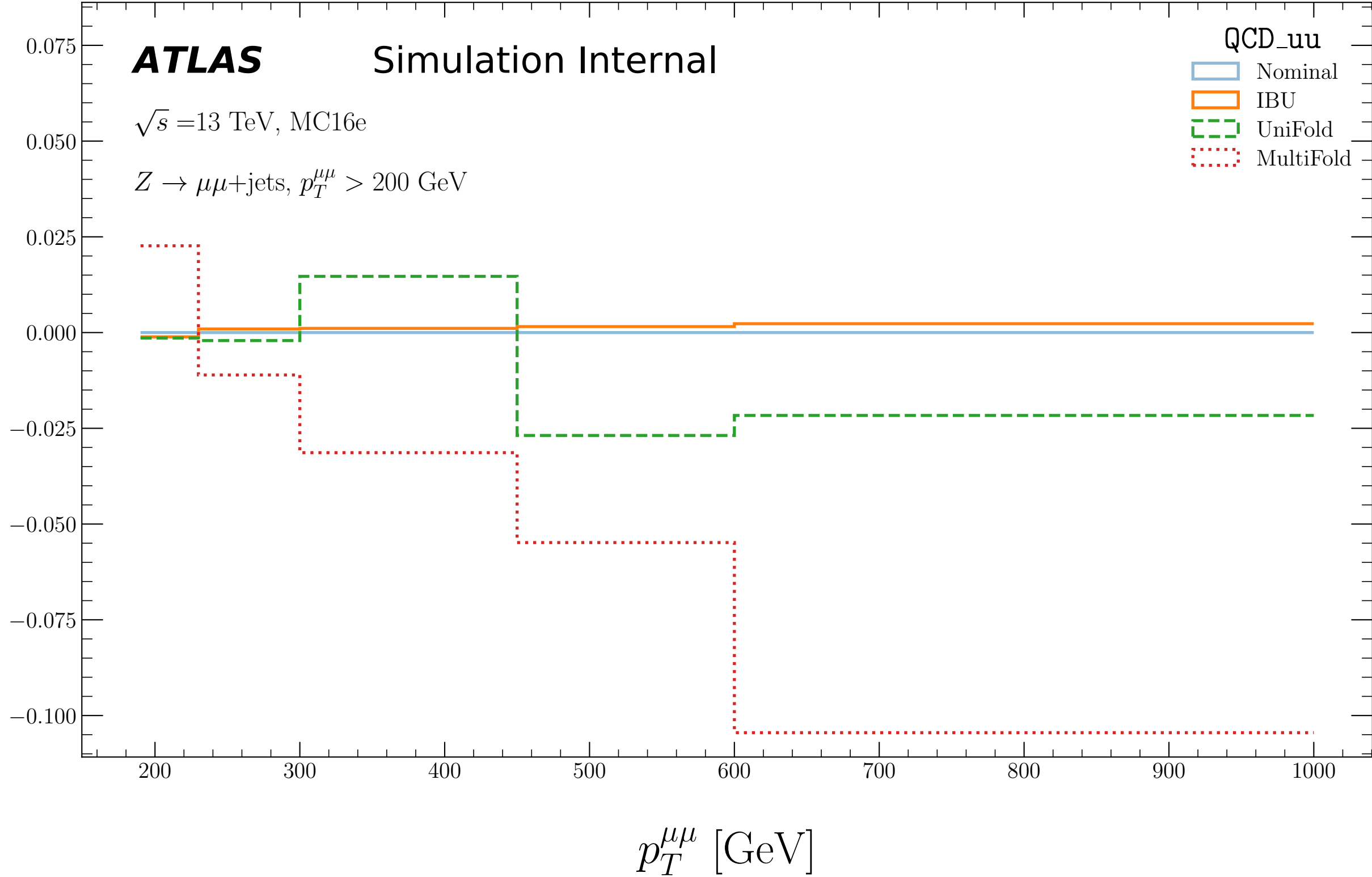
Simulation Internal

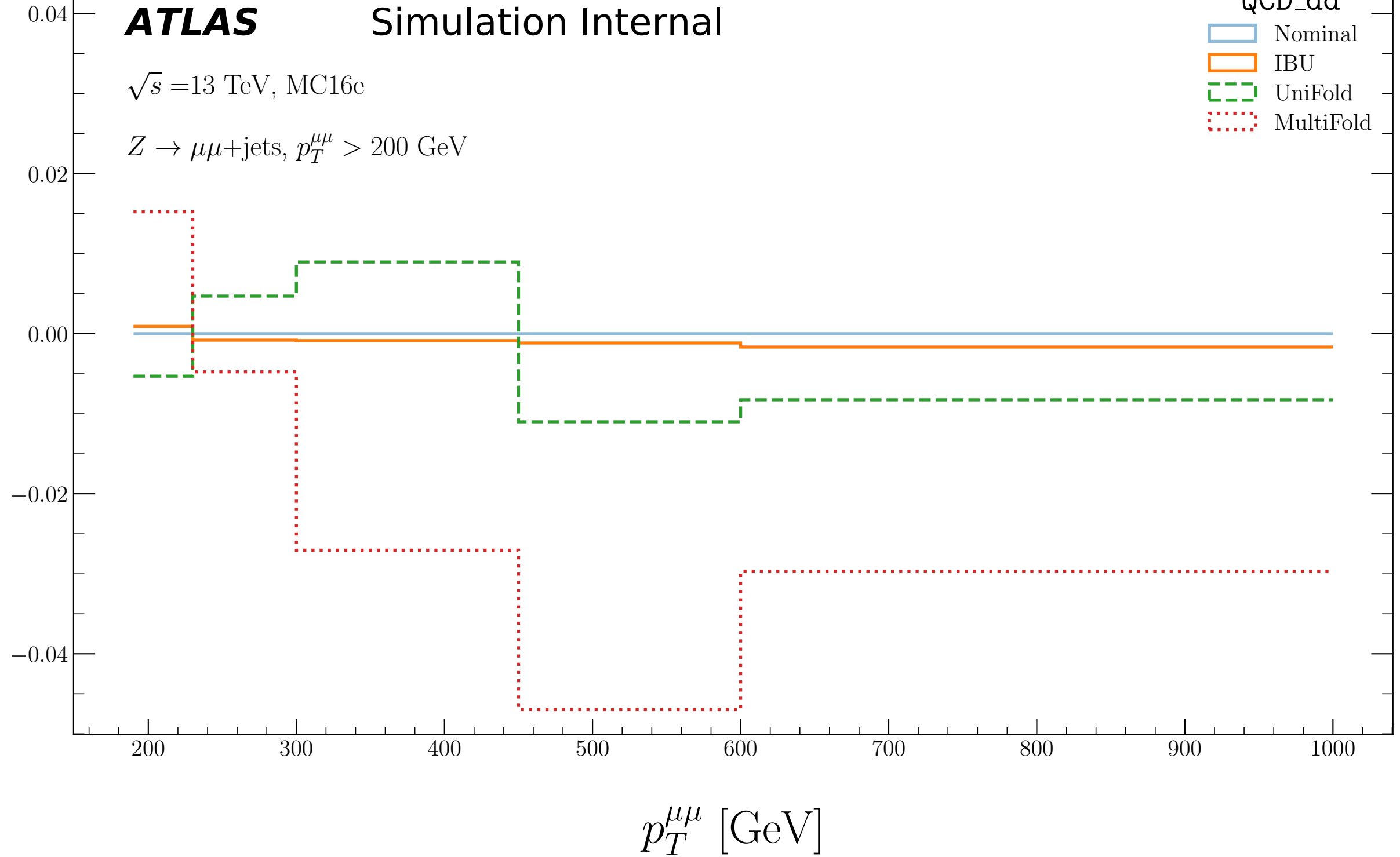
 $\sqrt{s} = 13$ TeV, MC16e $Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$ GeV

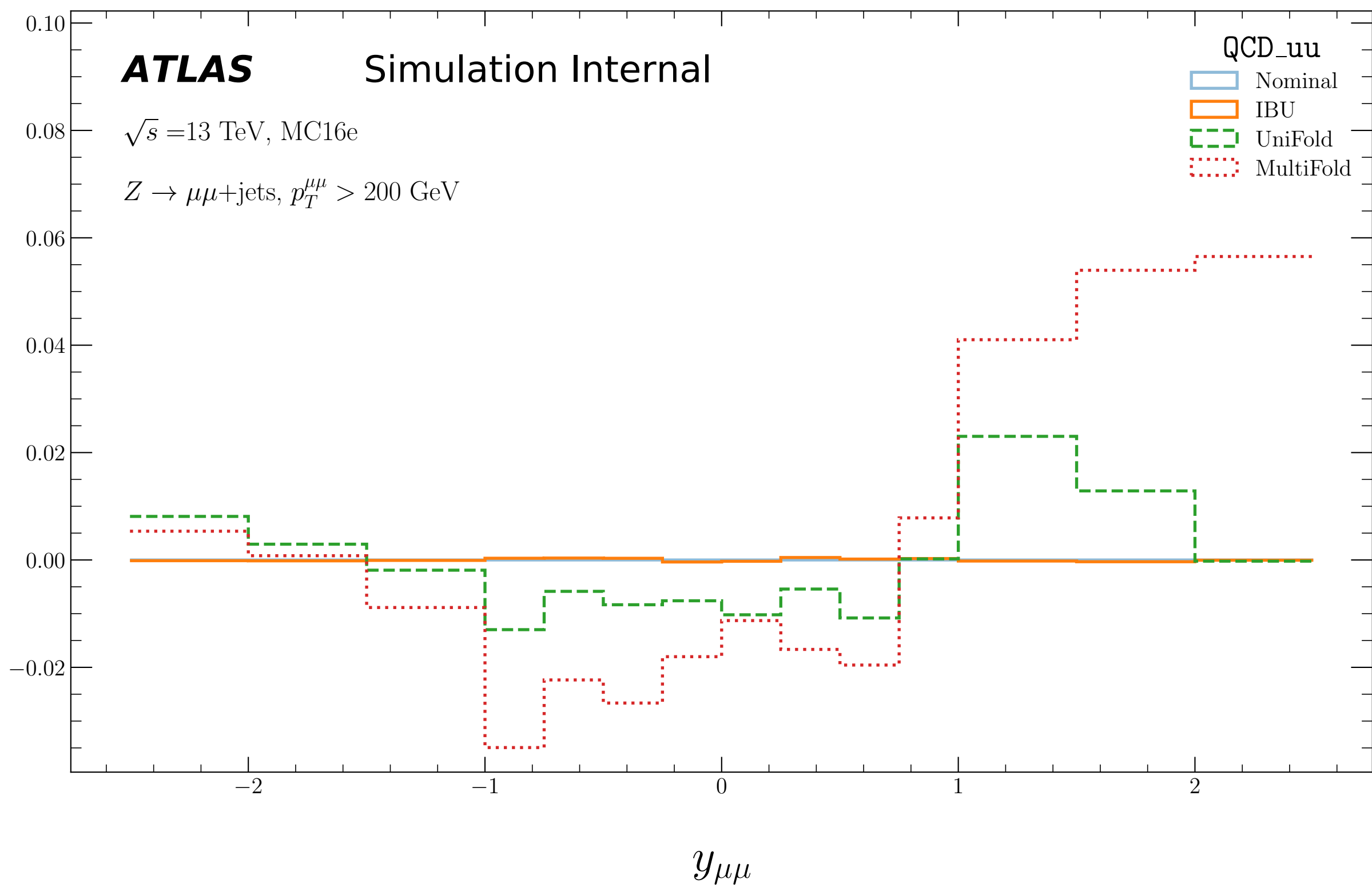
QCD_dd

- Nominal
- IBU
- UniFold
- MultiFold

Subleading track jet τ_3







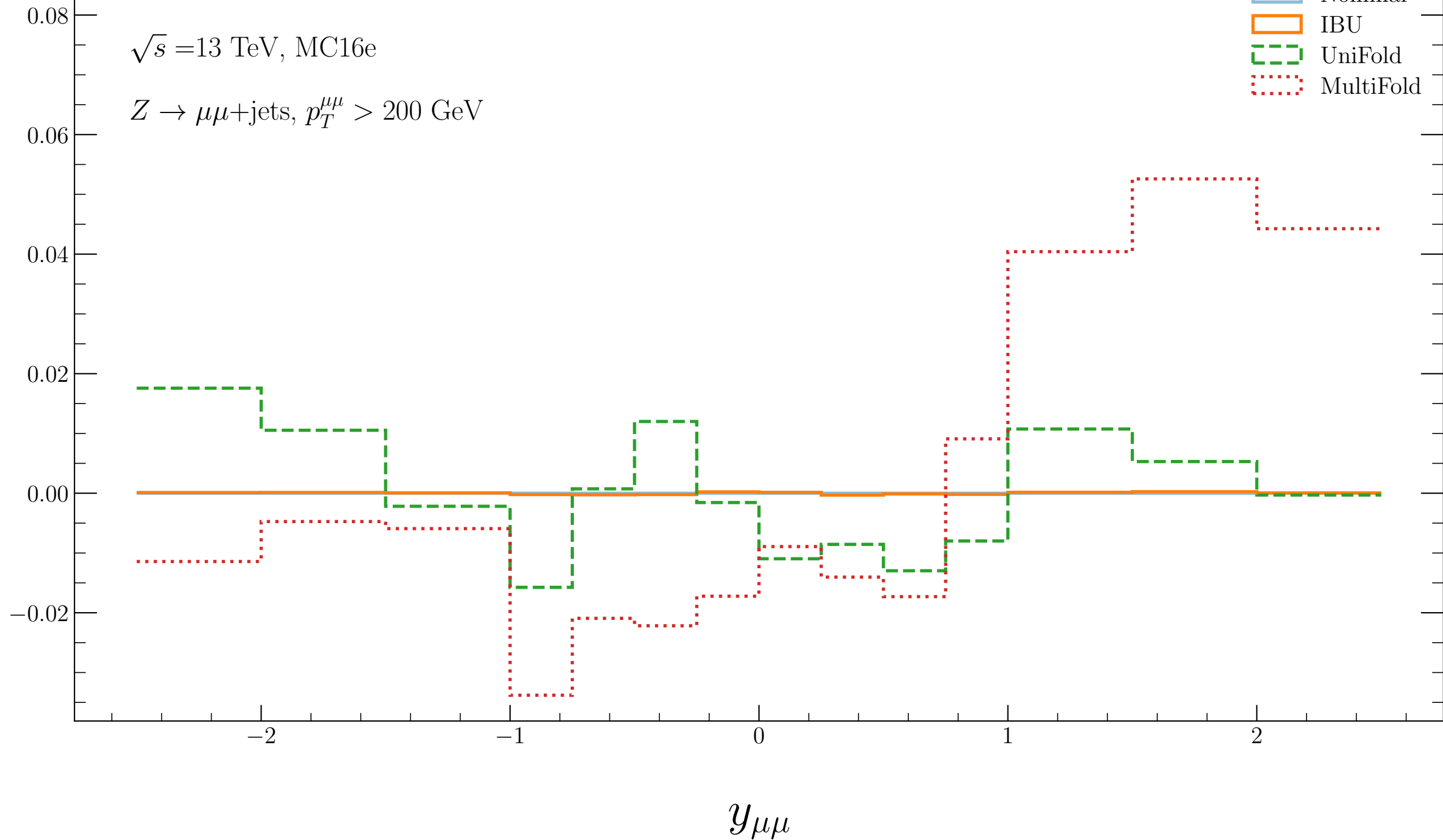
ATLAS

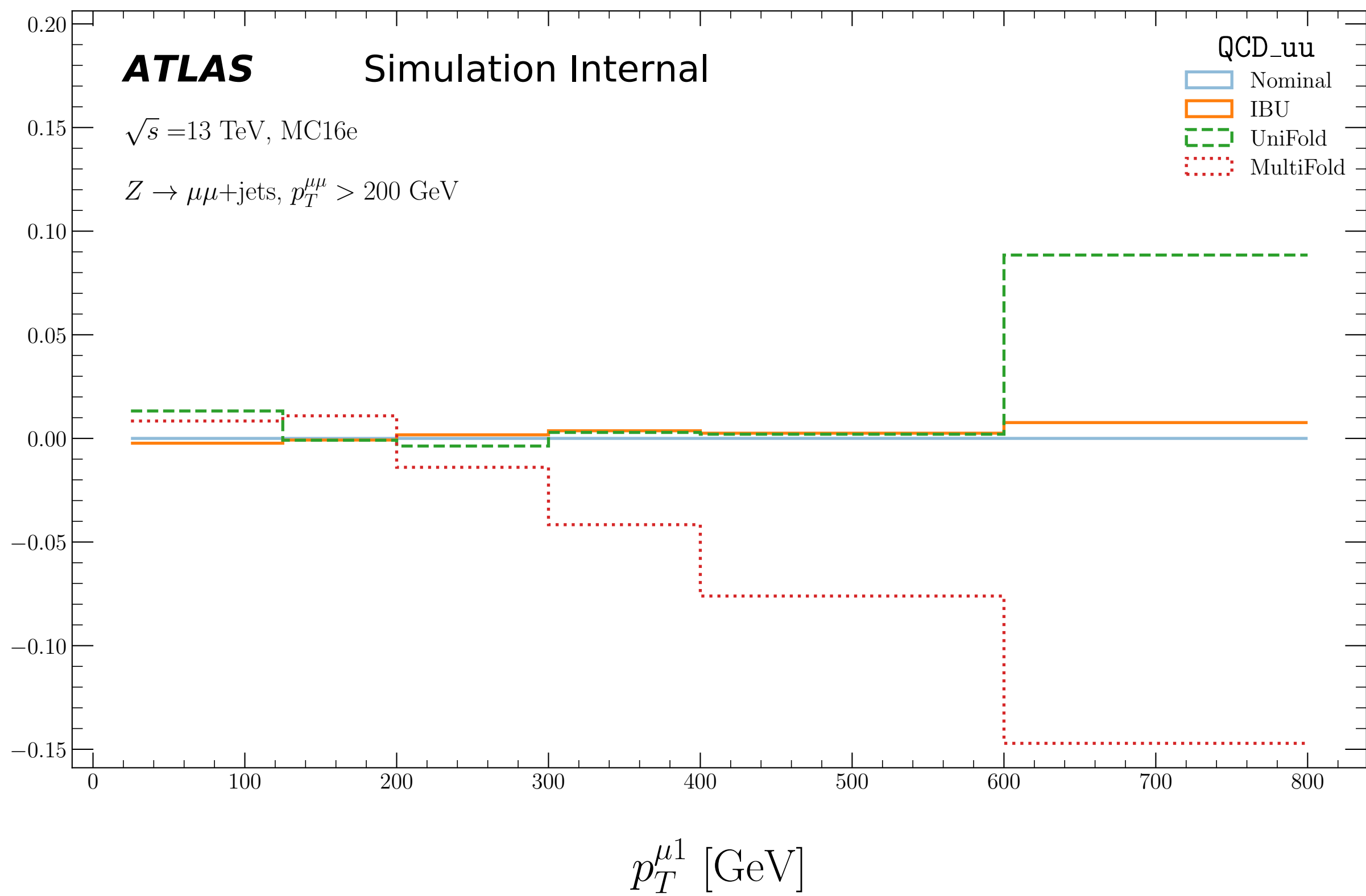
Simulation Internal

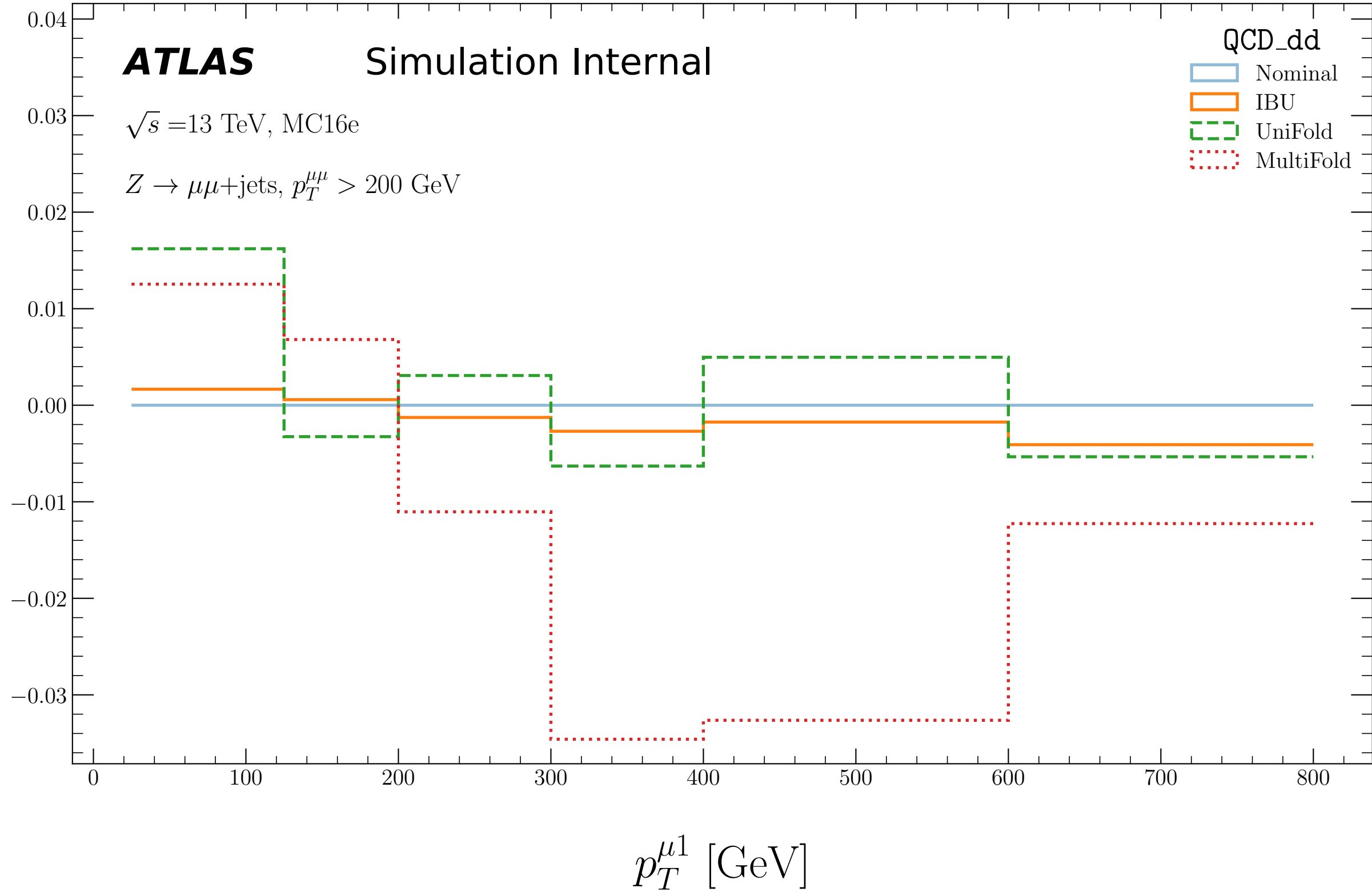
 $\sqrt{s} = 13$ TeV, MC16e $Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$ GeV

QCD_dd

- Nominal
- IBU
- UniFold
- MultiFold







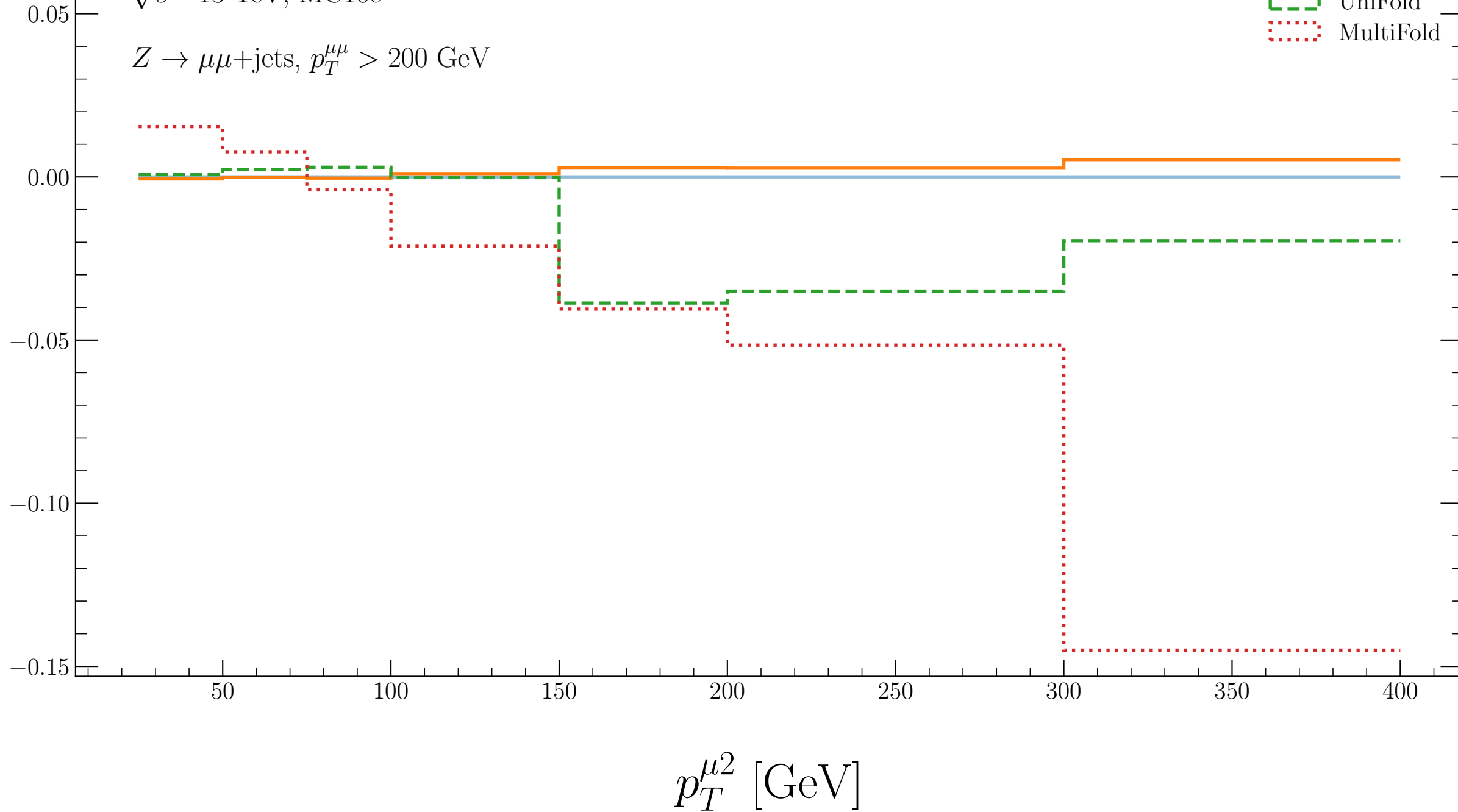
ATLAS

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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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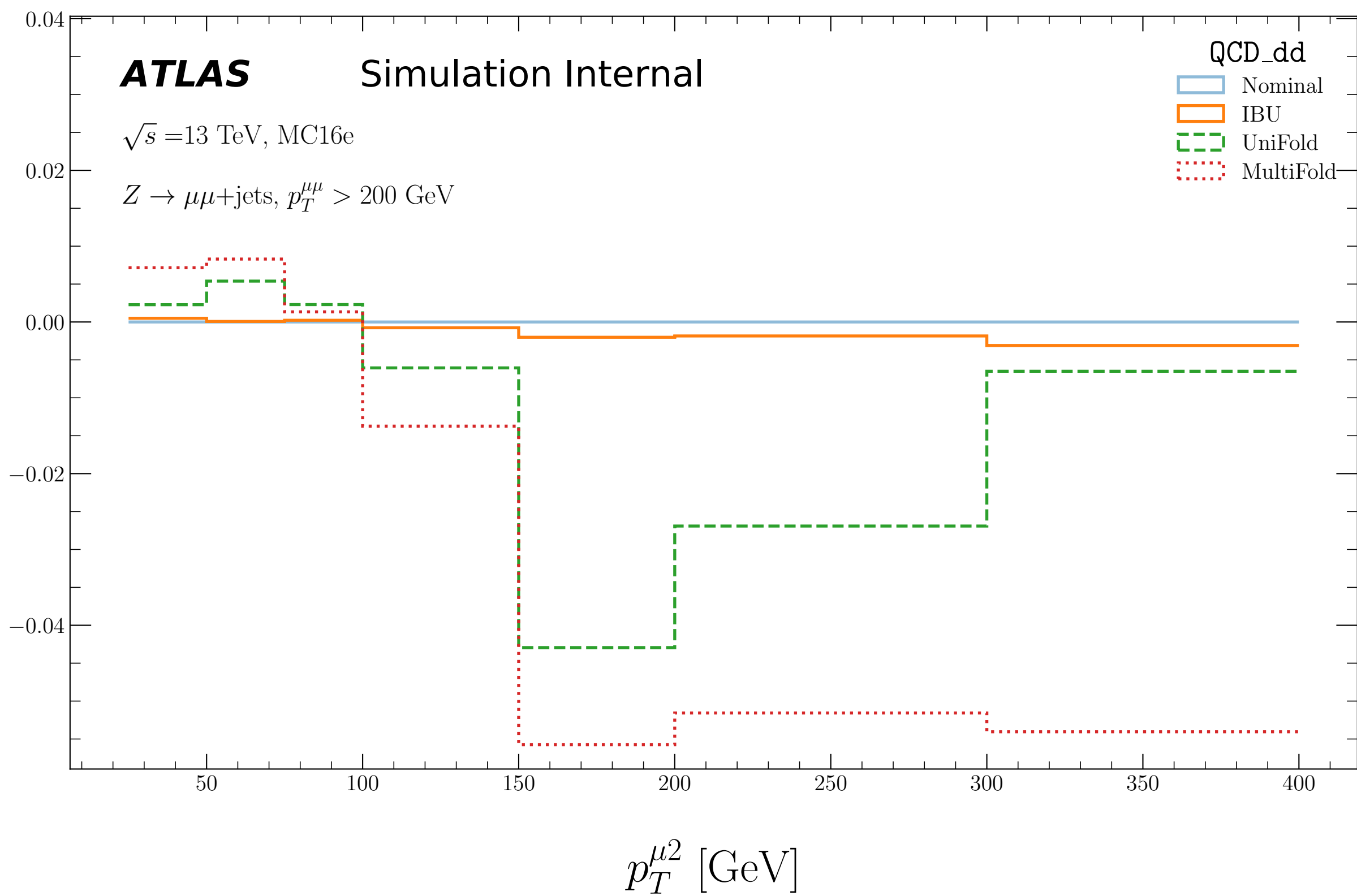
QCD_dd

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 $\sqrt{s} = 13$ TeV, MC16e $Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$ GeV

QCD_uu

- Nominal
- IBU
- UniFold
- MultiFold

0.08
0.06
0.04
0.02
0.00
-0.02

 $\eta_{\mu 1}$

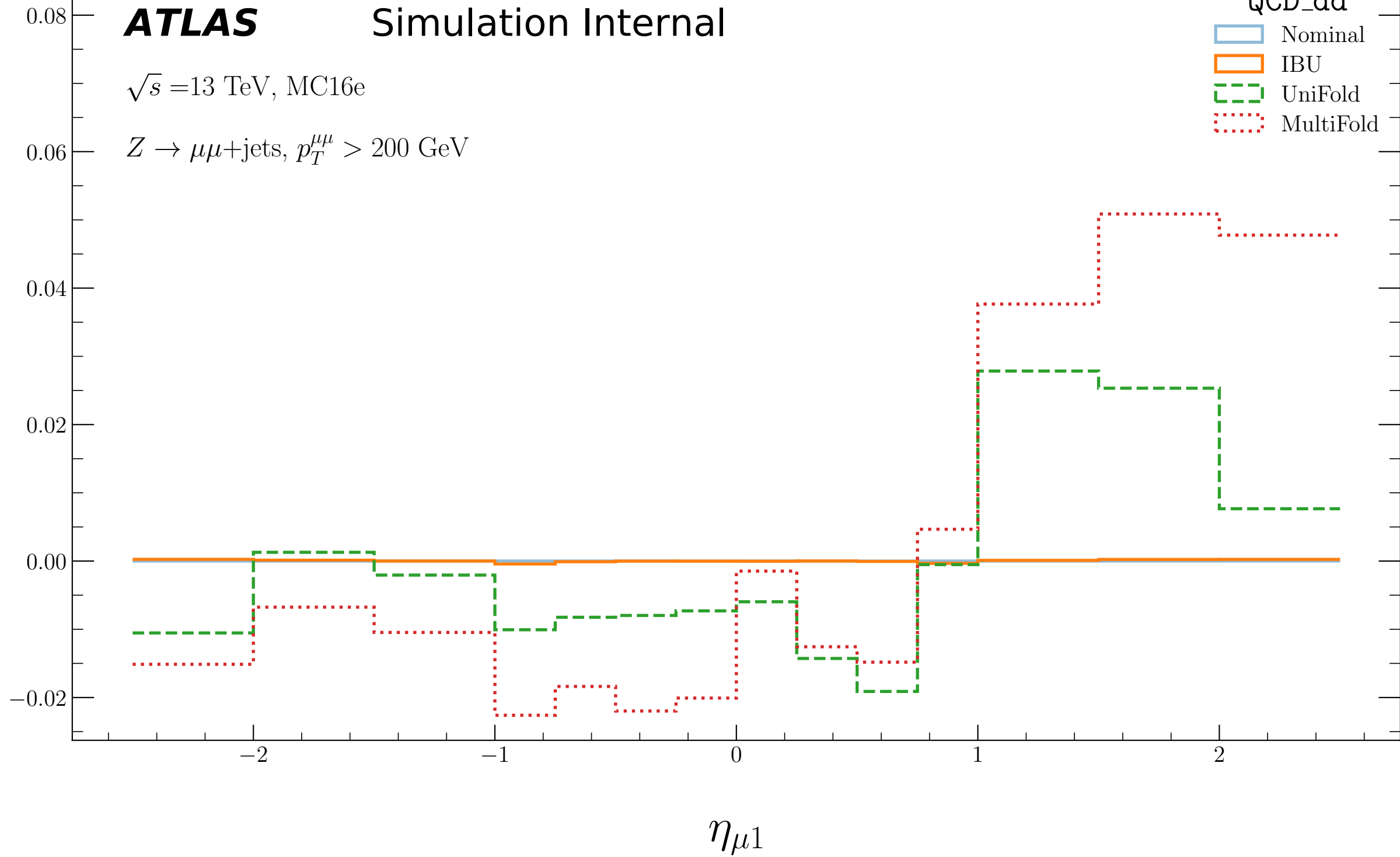
-2

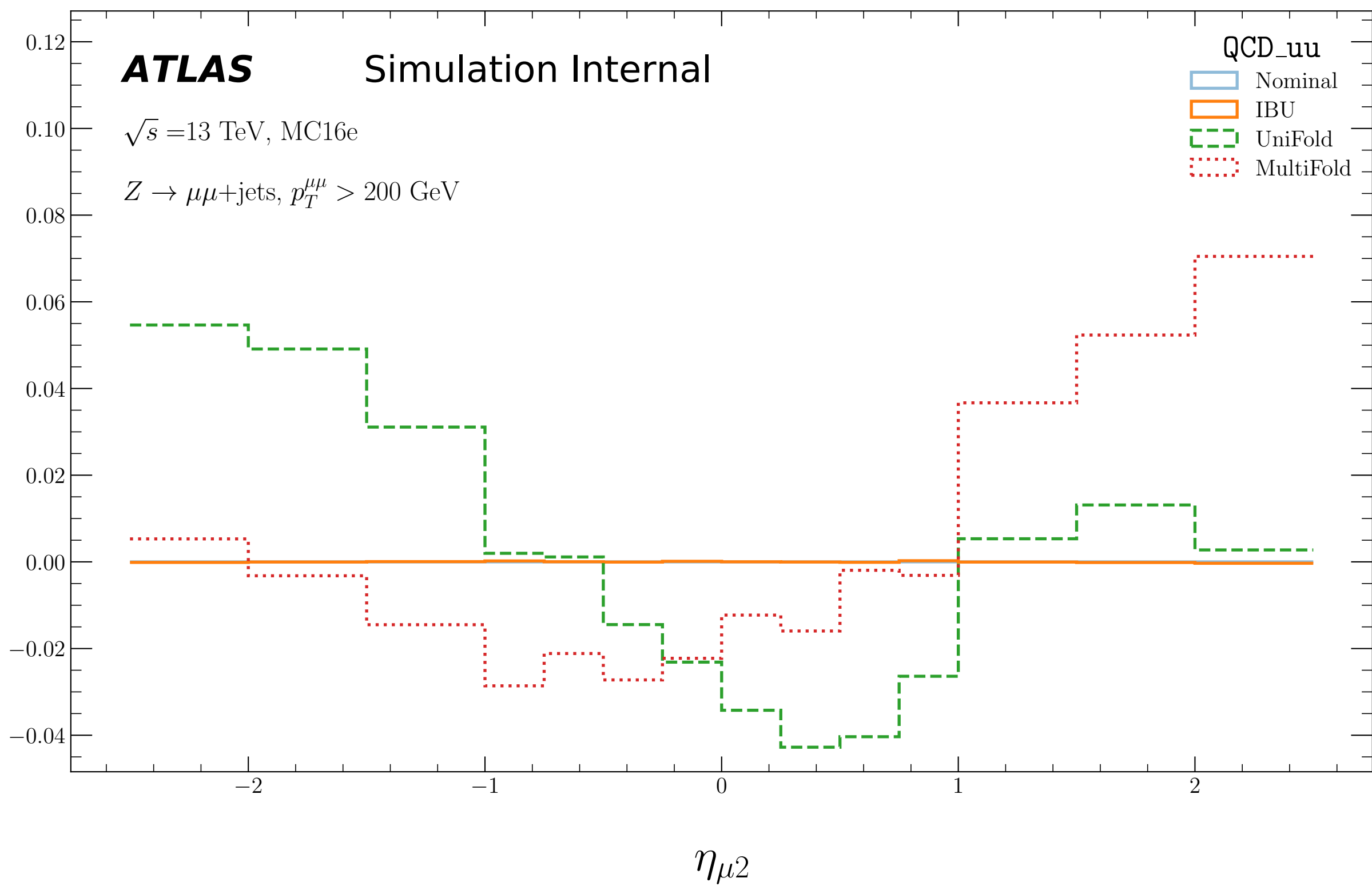
-1

0

1

2





ATLAS

Simulation Internal

 $\sqrt{s} = 13$ TeV, MC16e $Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$ GeV

QCD_dd

- Nominal
- IBU
- UniFold
- MultiFold

0.08
0.06
0.04
0.02
0.00
-0.02

 $\eta_{\mu 2}$

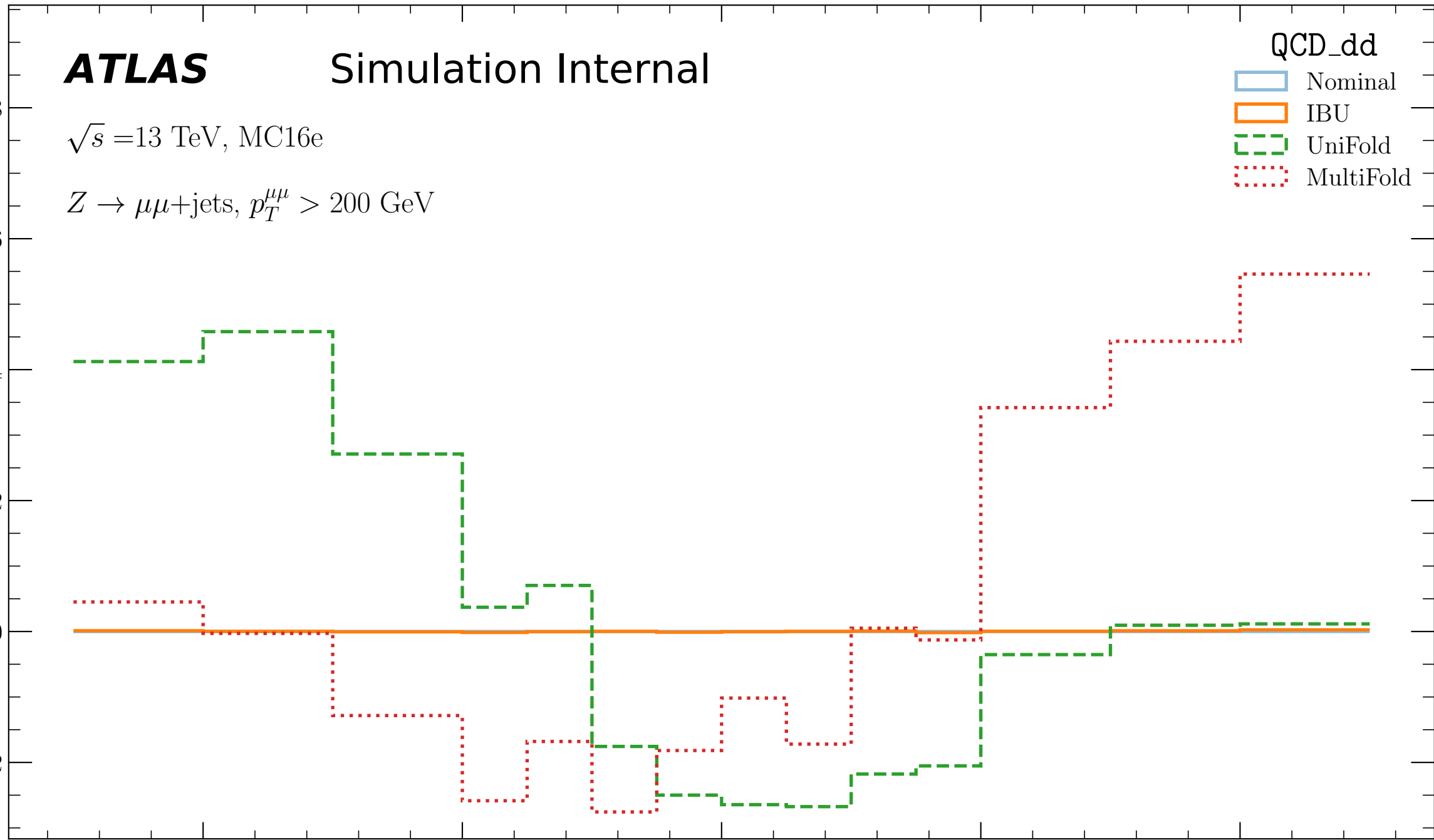
-2

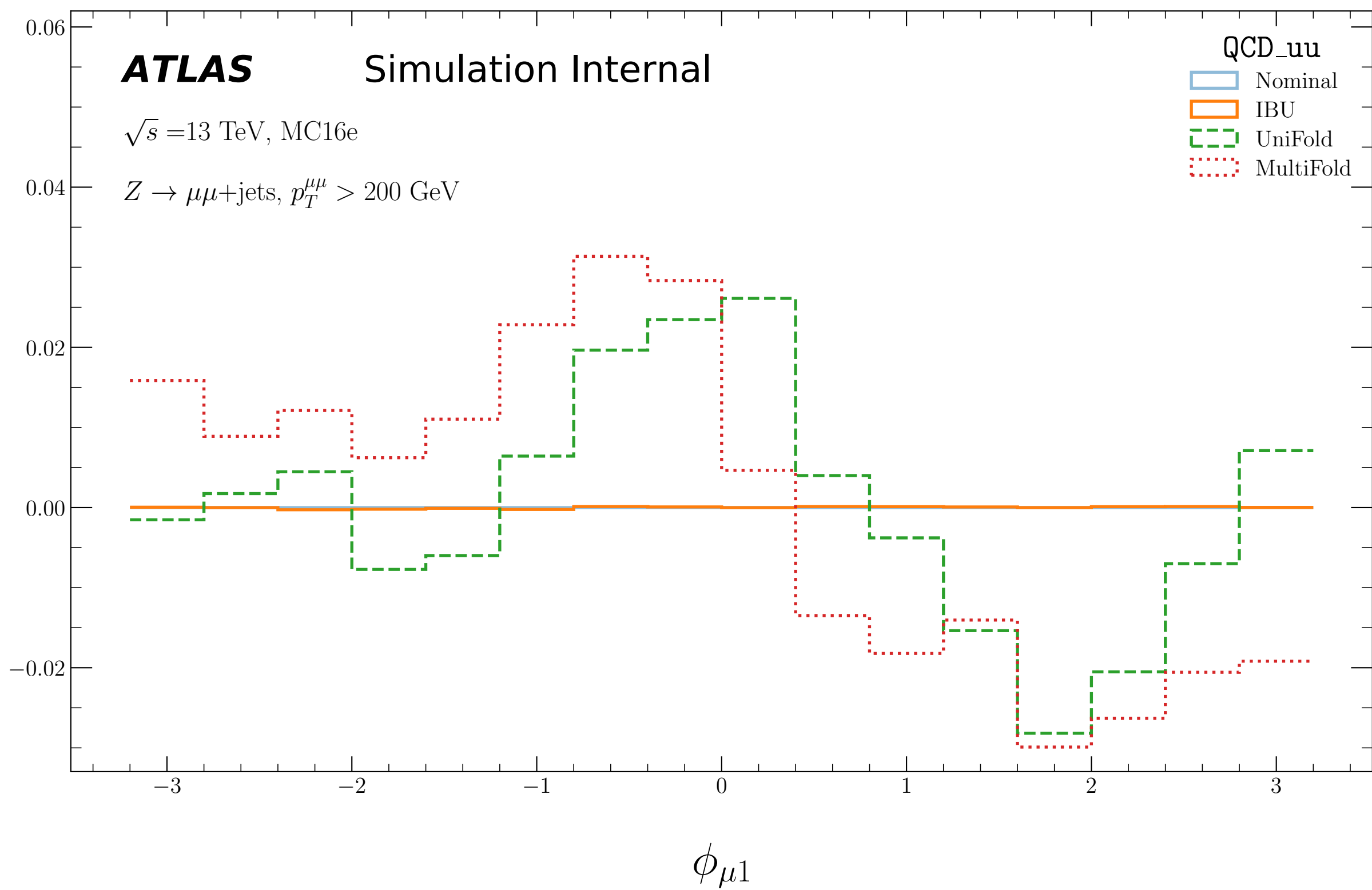
-1

0

1

2





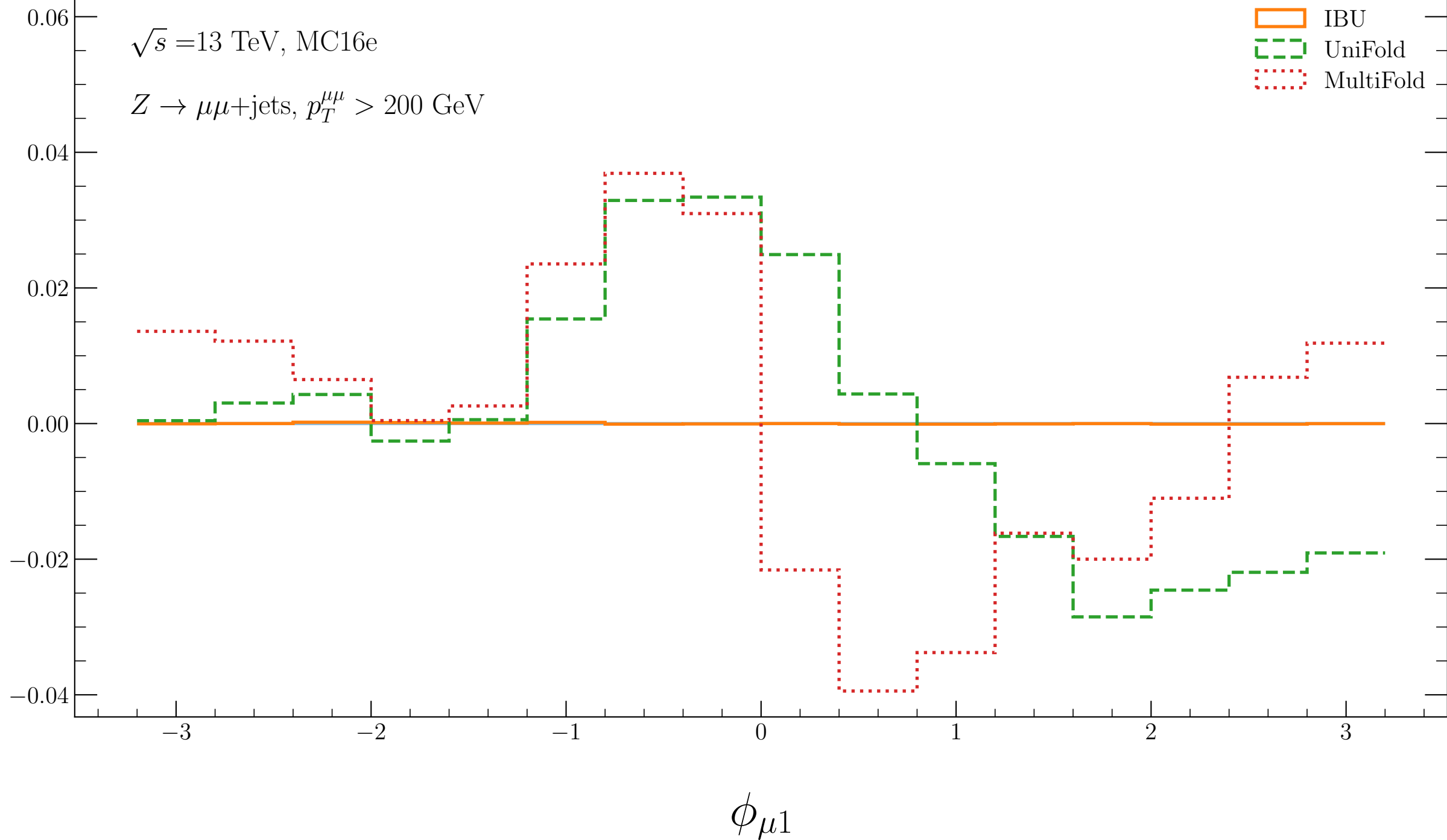
ATLAS

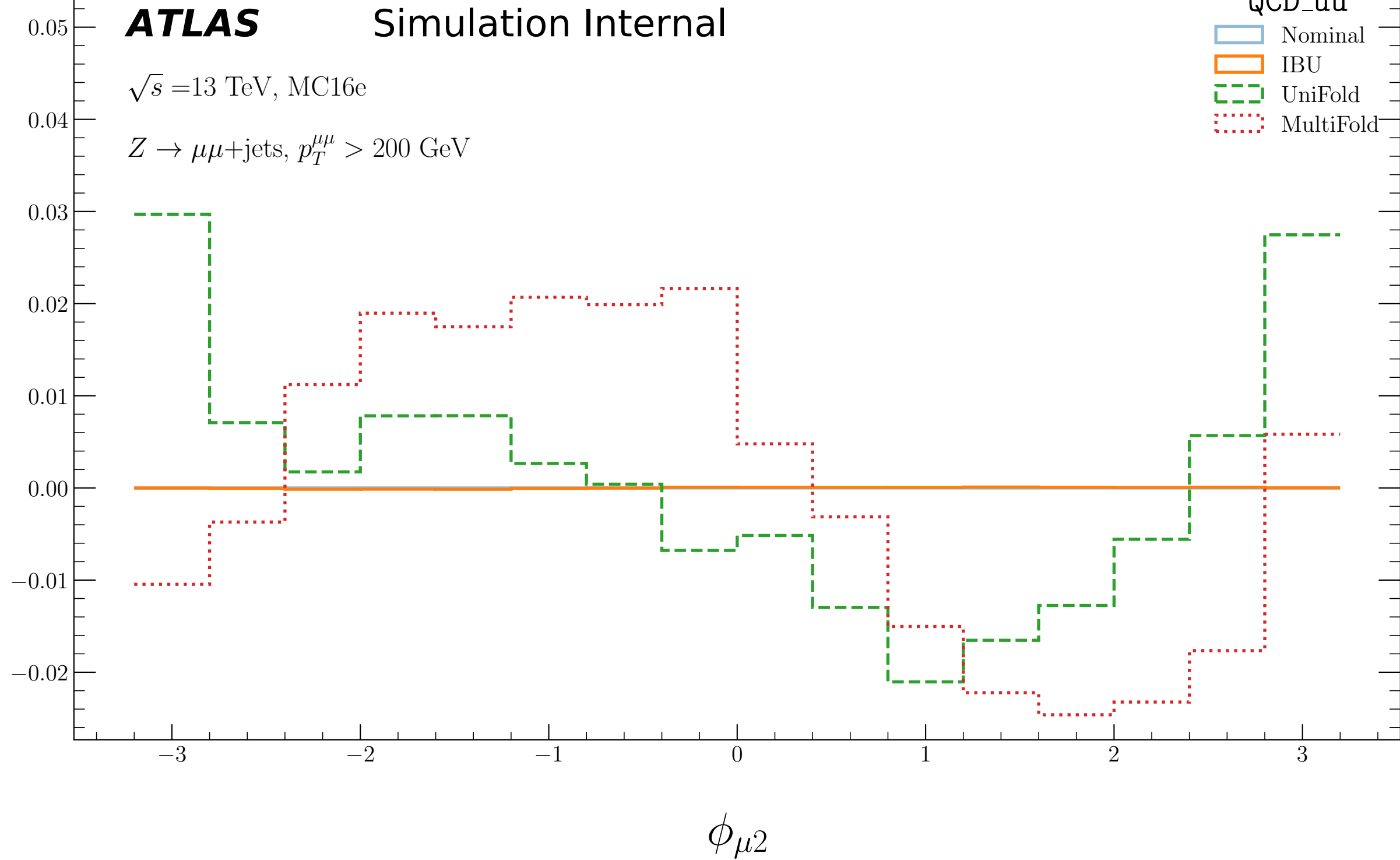
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 $\sqrt{s} = 13$ TeV, MC16e $Z \rightarrow \mu\mu + \text{jets}, p_T^{\mu\mu} > 200$ GeV

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