

Relative Systematic Effect (UniFold)

ATLAS

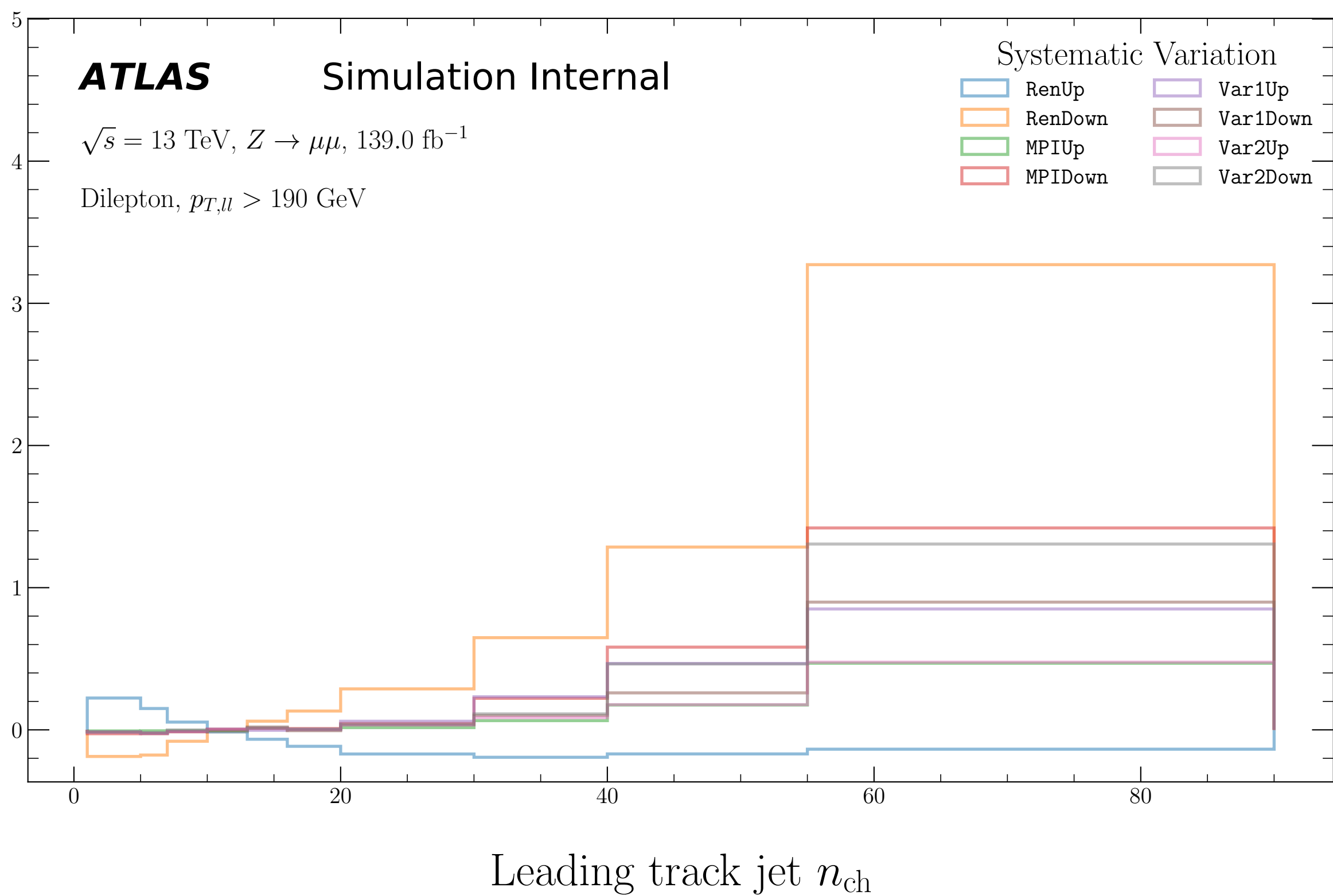
Simulation Internal

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

Dilepton, $p_{T,l} > 190 \text{ GeV}$

Systematic Variation

- | | |
|---------|----------|
| RenUp | Var1Up |
| RenDown | Var1Down |
| MPIUp | Var2Up |
| MPIDown | Var2Down |



Relative Systematic Effect (UniFold)

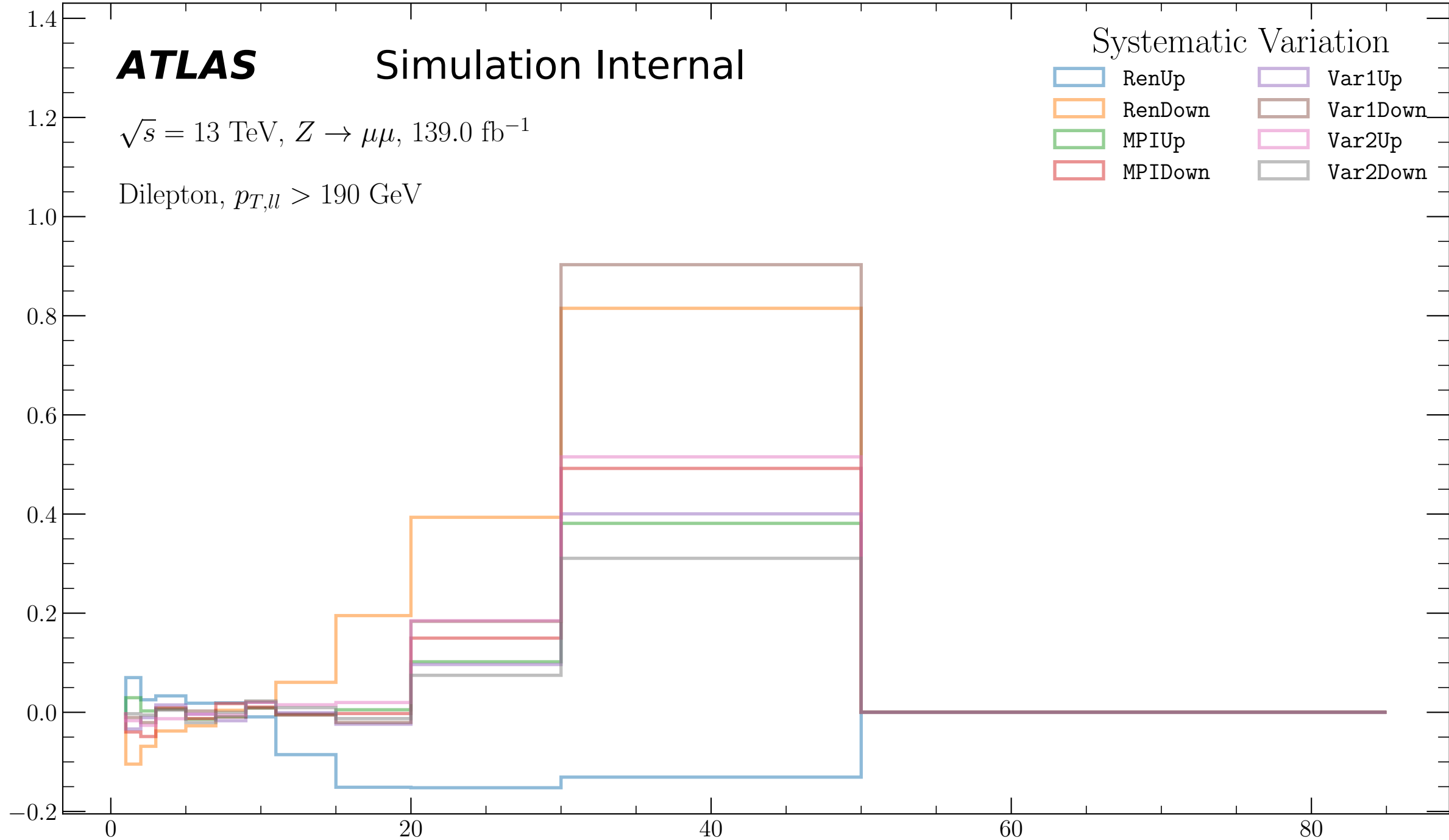
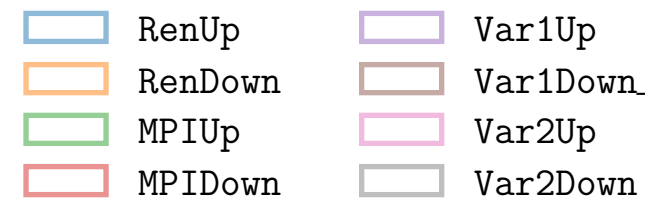
ATLAS

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Dilepton, $p_{T,l} > 190 \text{ GeV}$

Systematic Variation



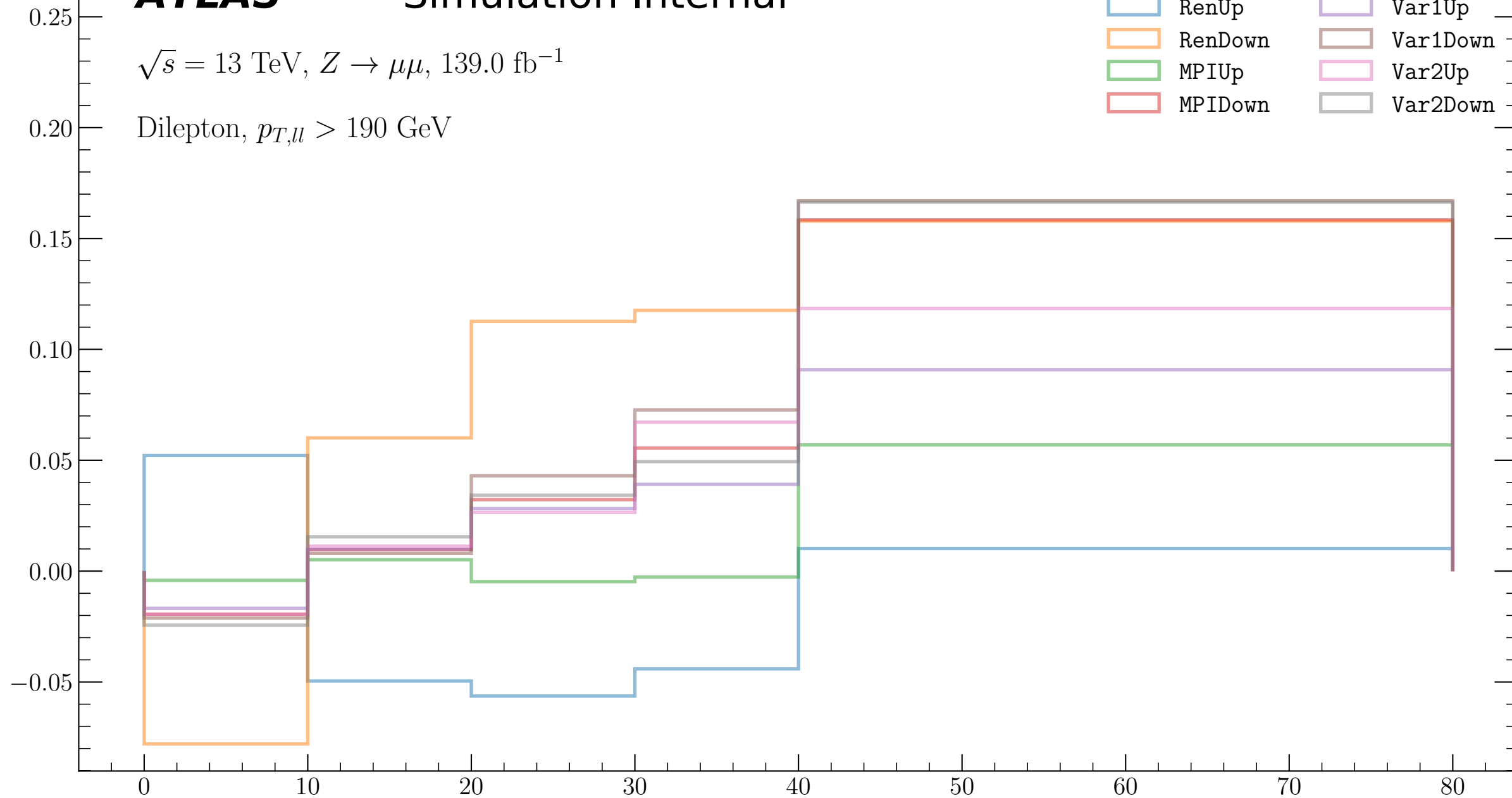
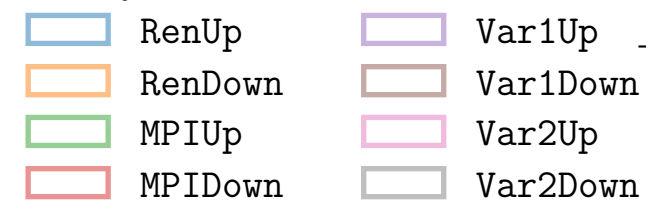
Subleading track jet n_{ch}

ATLAS

Simulation Internal

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

Systematic Variation

Leading track jet m [GeV]

Relative Systematic Effect (UniFold)

ATLAS

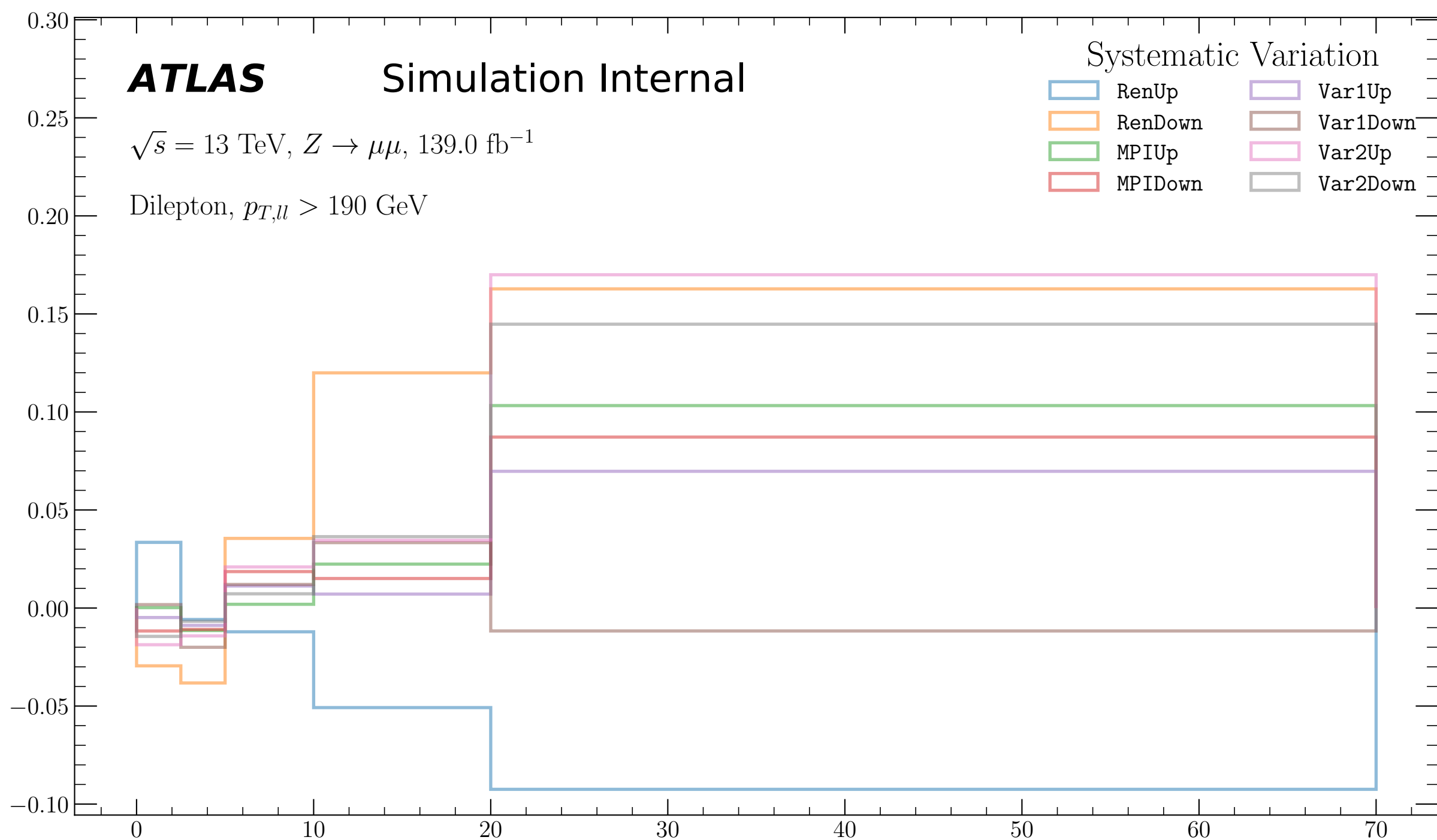
Simulation Internal

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

Dilepton, $p_{T,l} > 190 \text{ GeV}$

Systematic Variation

- | | |
|---------|----------|
| RenUp | Var1Up |
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| MPIDown | Var2Down |



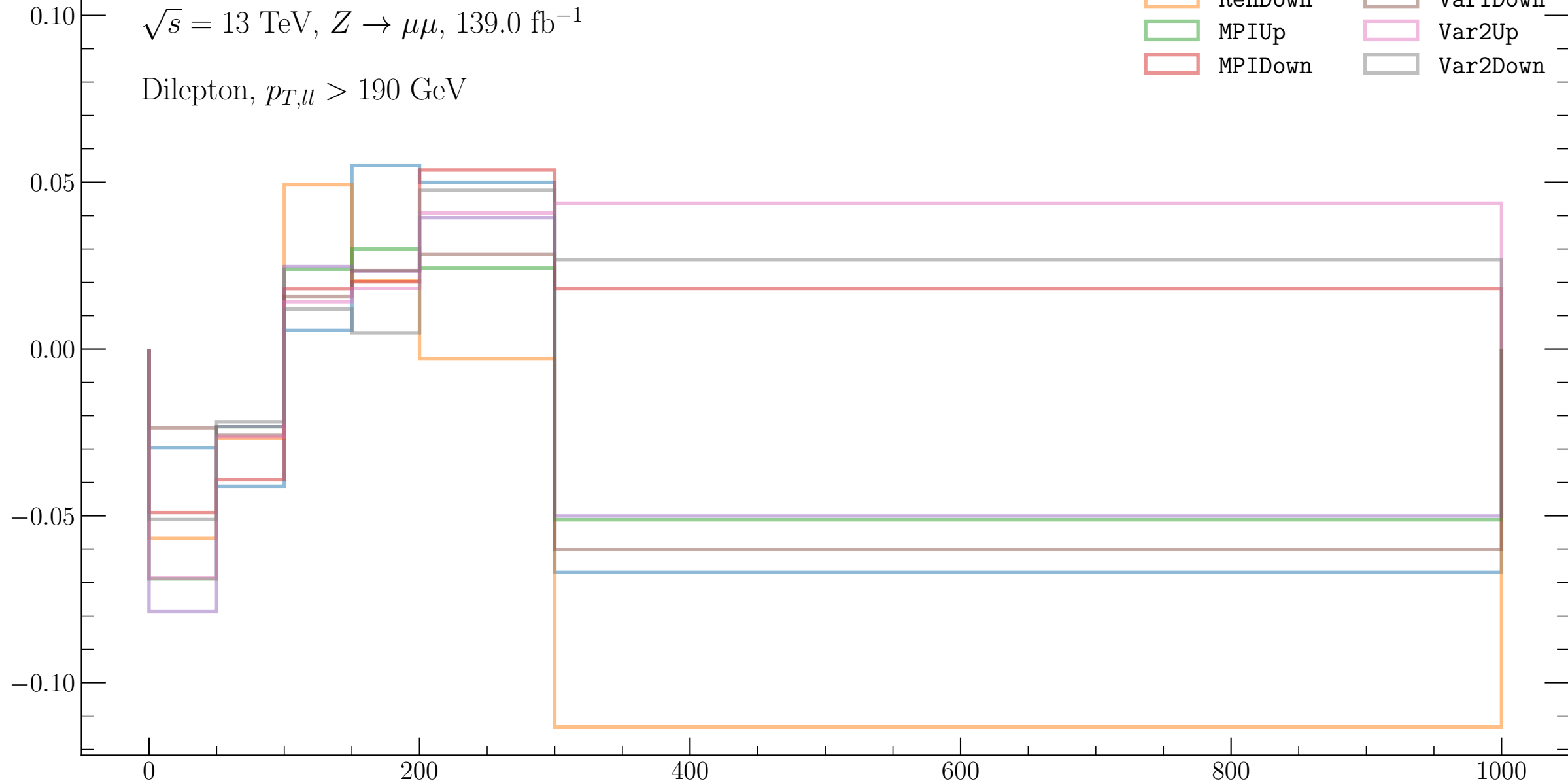
Subleading track jet m [GeV]

ATLAS

Simulation Internal

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

Systematic Variation

Leading track jet p_T [GeV]

Relative Systematic Effect (UniFold)

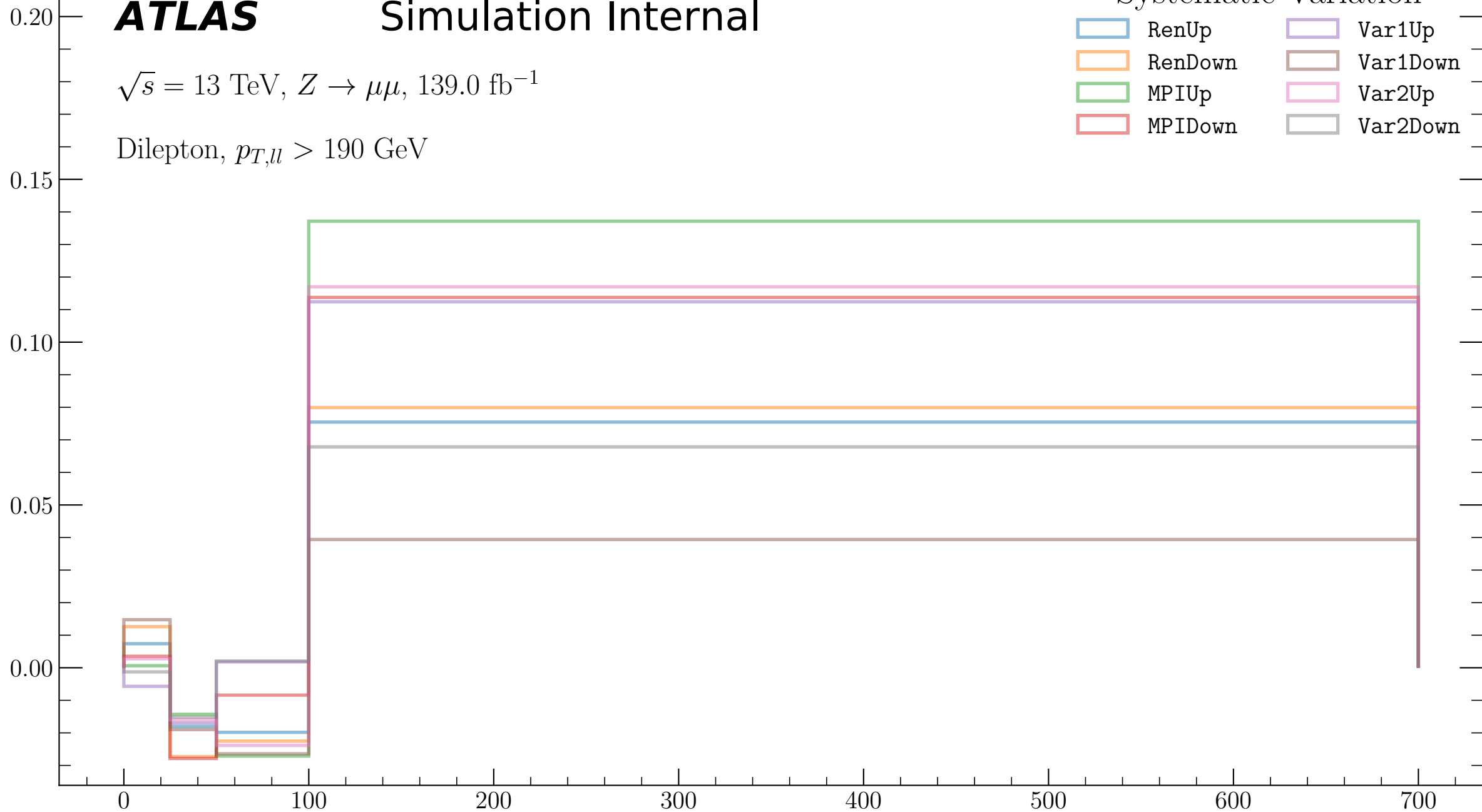
ATLAS

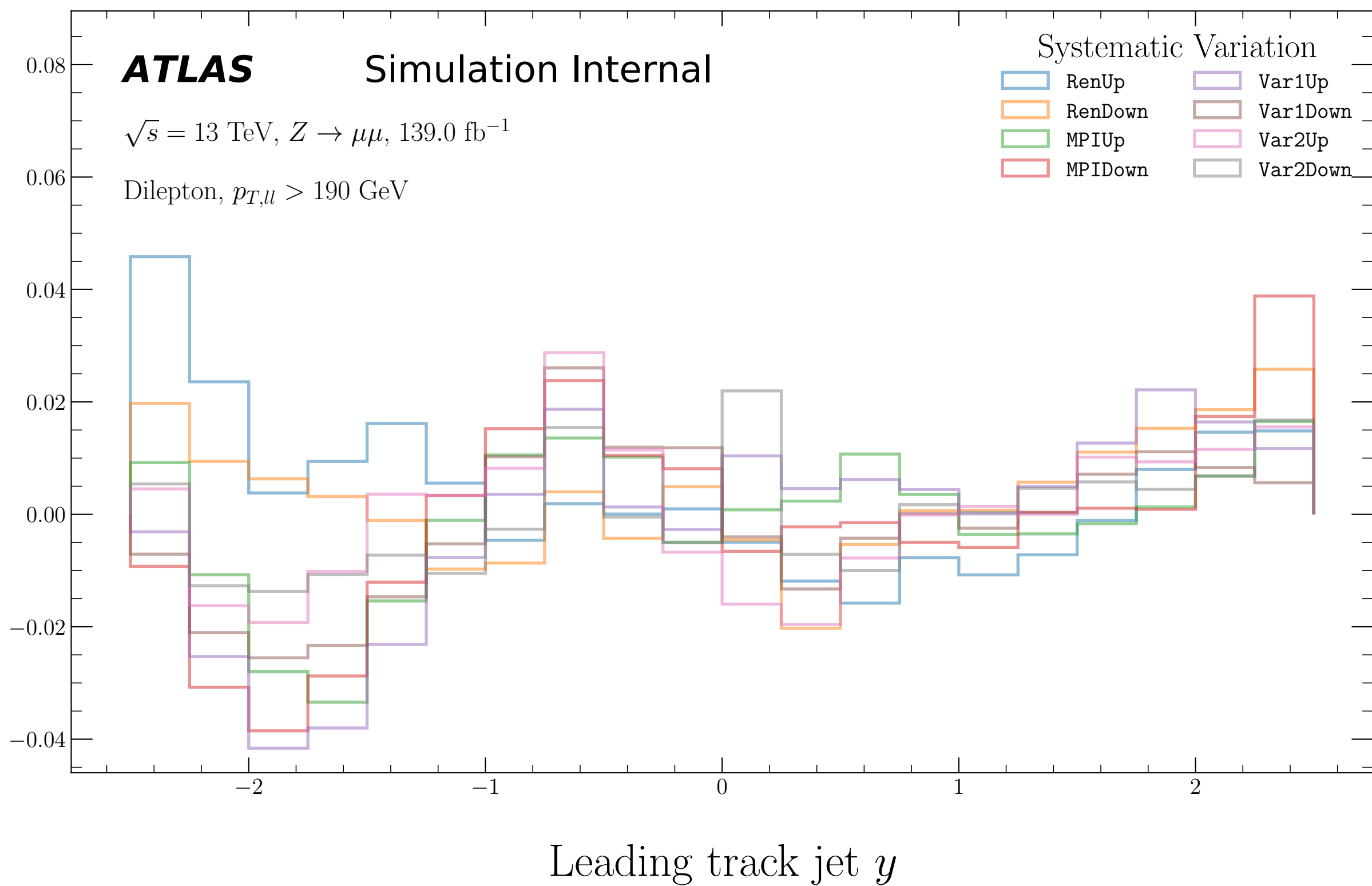
Simulation Internal

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Dilepton, $p_{T,\ell} > 190 \text{ GeV}$

Systematic Variation





ATLAS

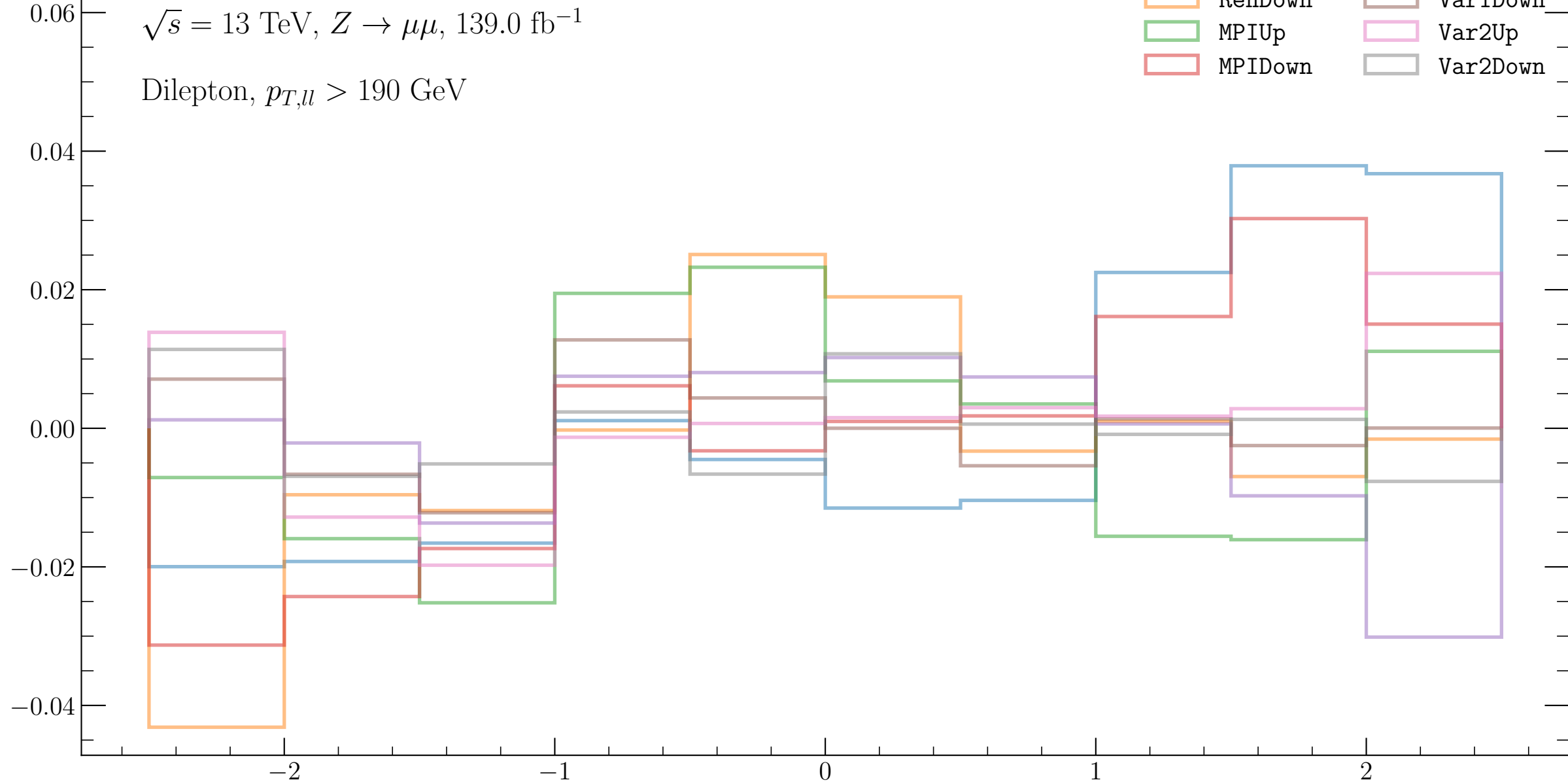
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Dilepton, $p_{T,l} > 190 \text{ GeV}$

Systematic Variation

- | | |
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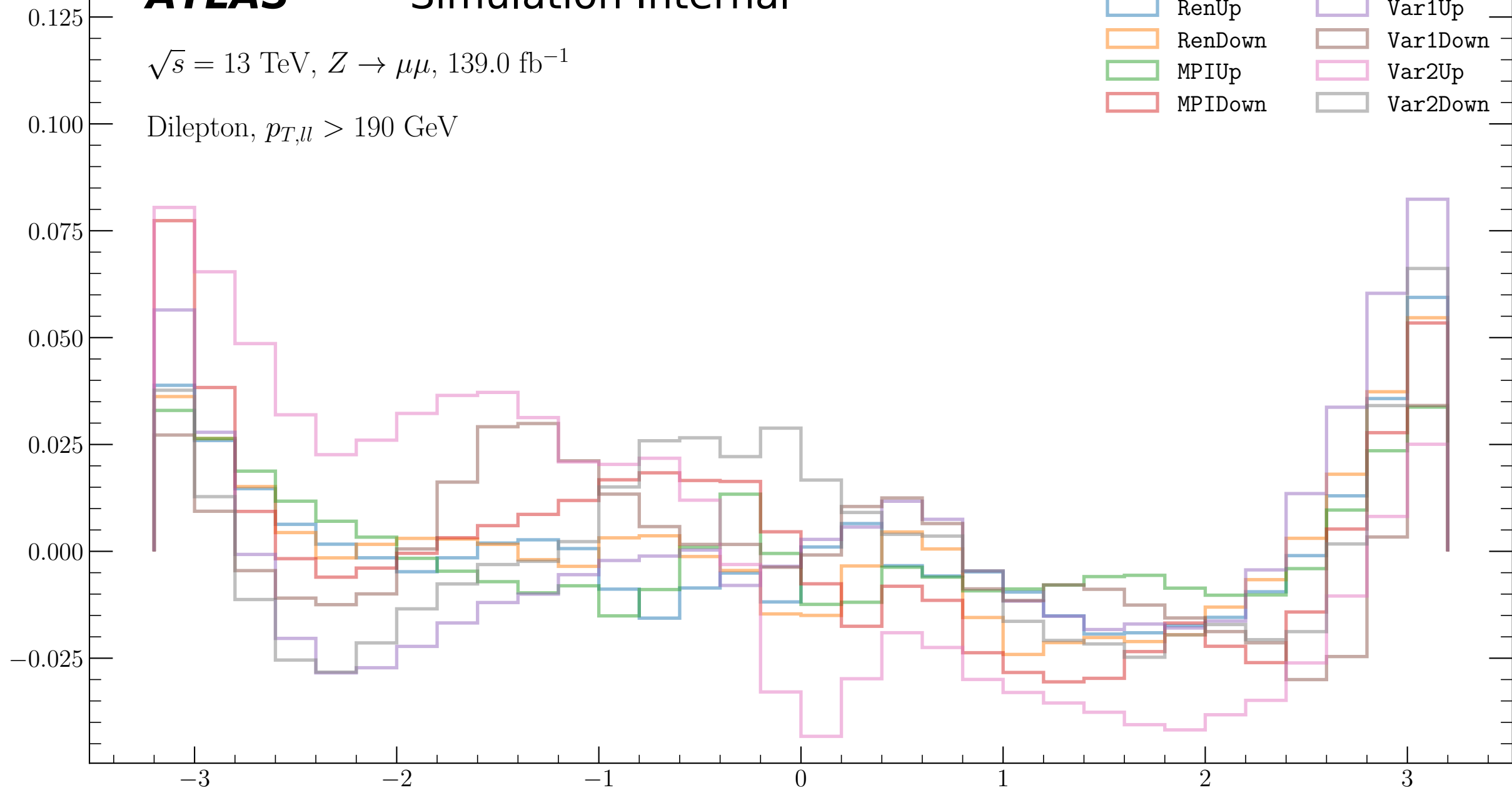
Subleading track jet y

ATLAS

Simulation Internal

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

Systematic Variation

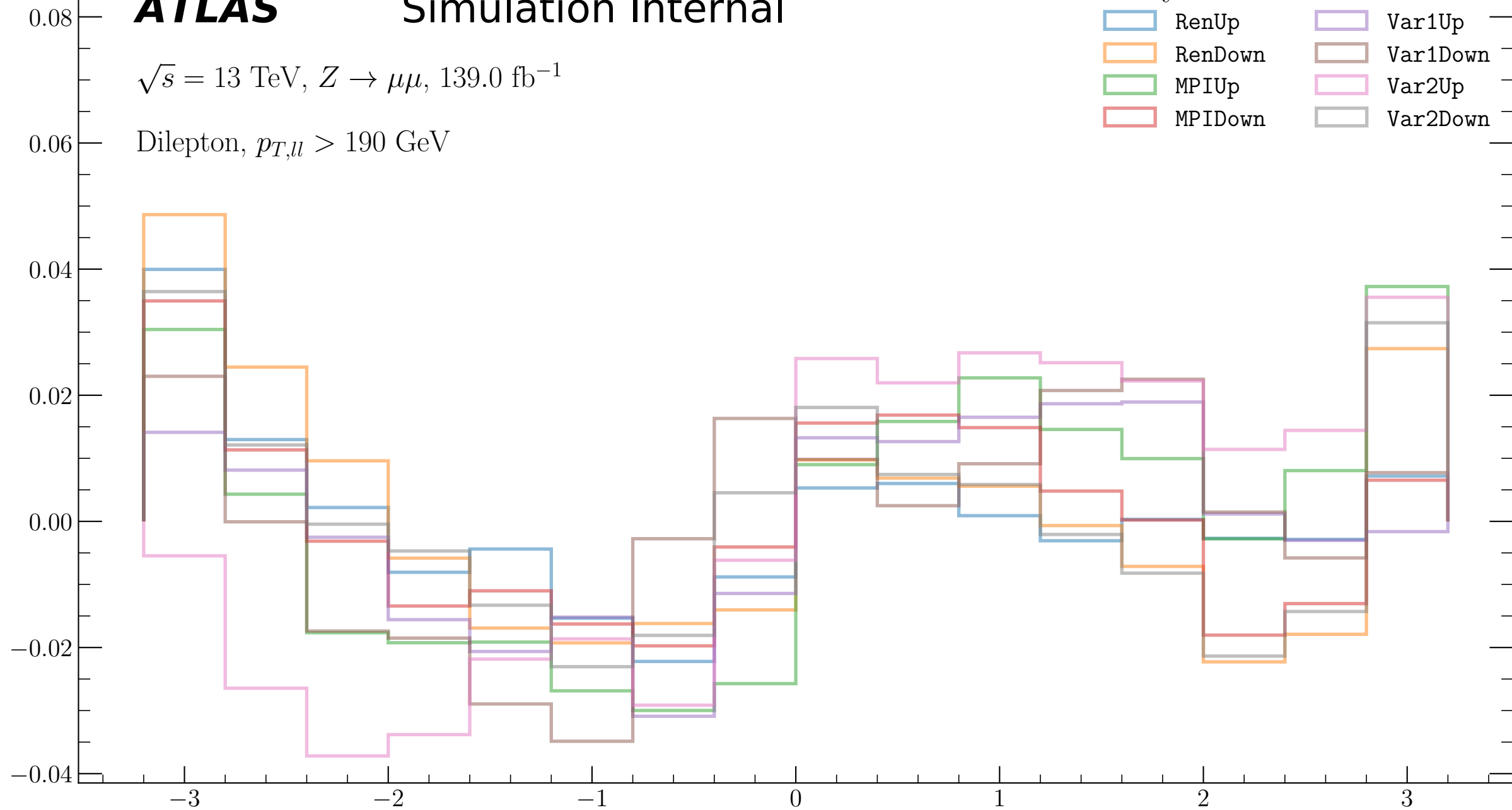
Leading track jet ϕ

ATLAS

Simulation Internal

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

Systematic Variation

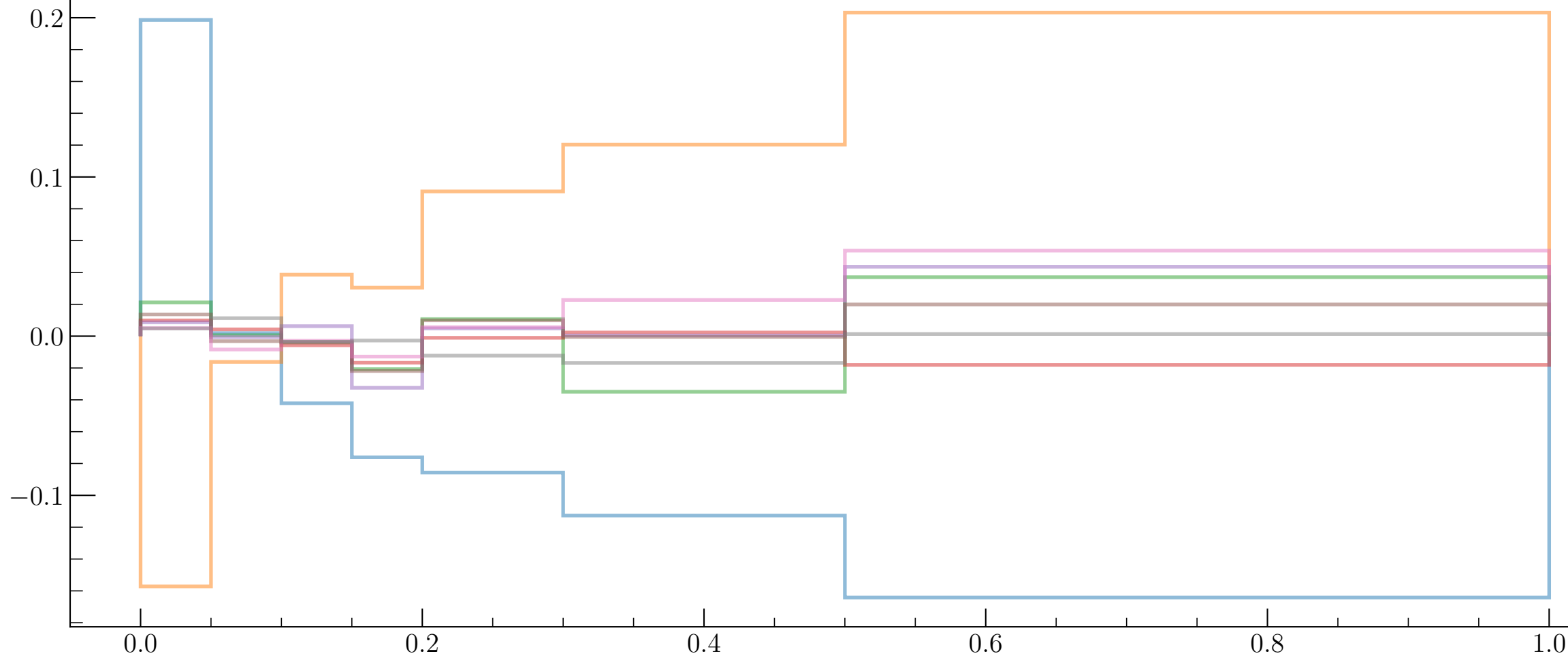
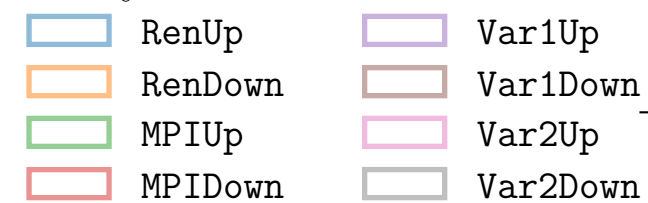
Subleading track jet ϕ

ATLAS

Simulation Internal

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

Systematic Variation

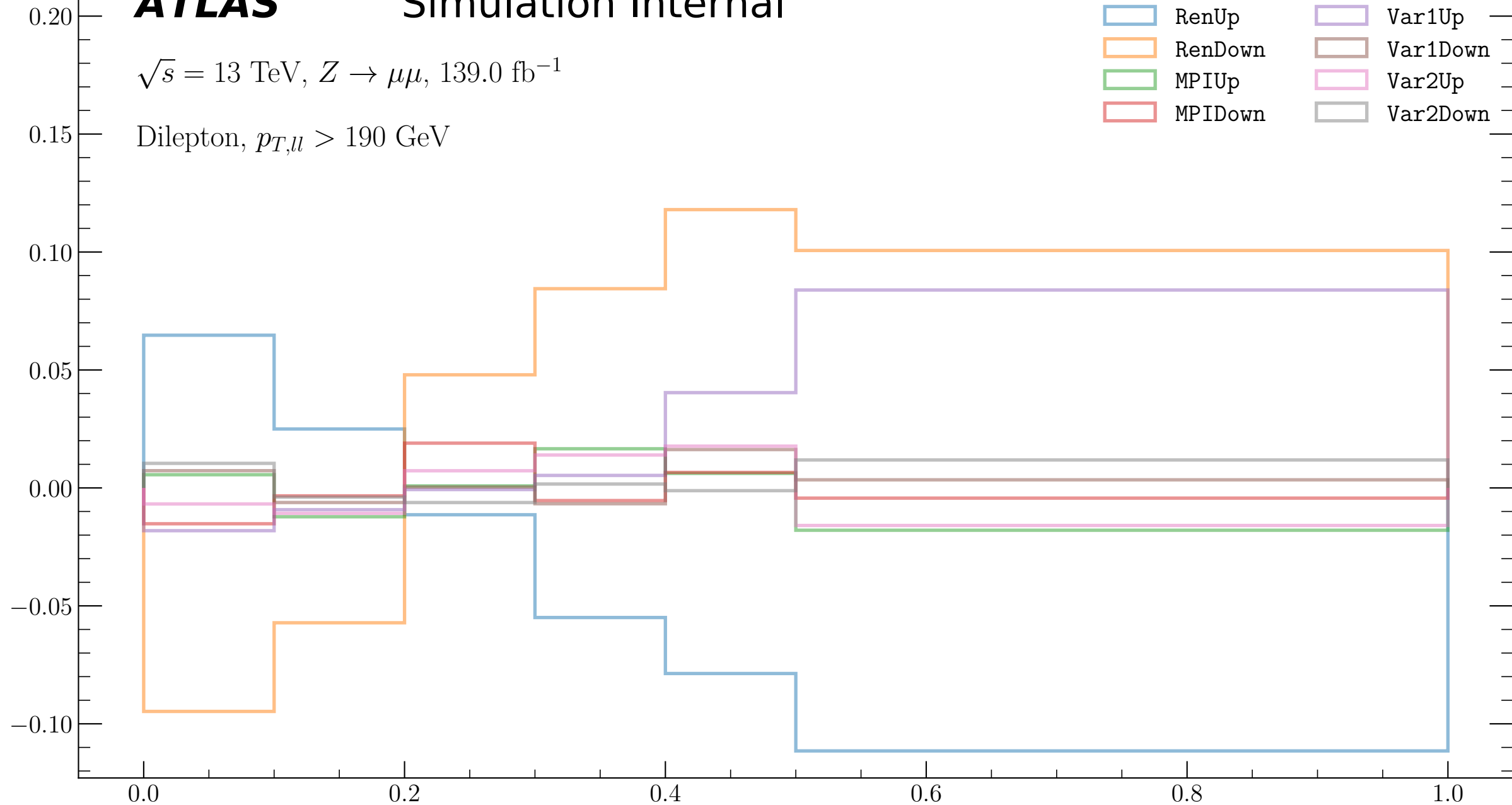
Leading track jet τ_1

ATLAS

Simulation Internal

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

Systematic Variation

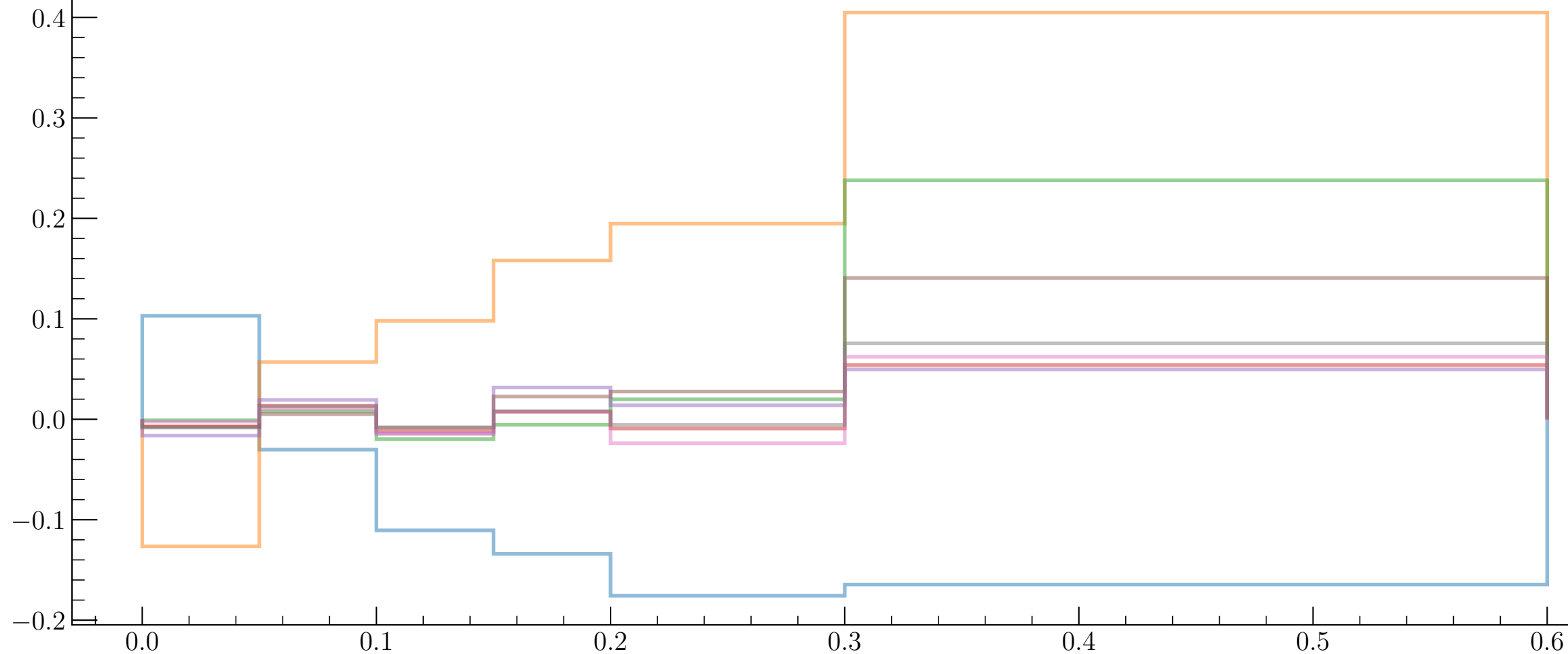
Subleading track jet τ_1

ATLAS

Simulation Internal

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

Systematic Variation

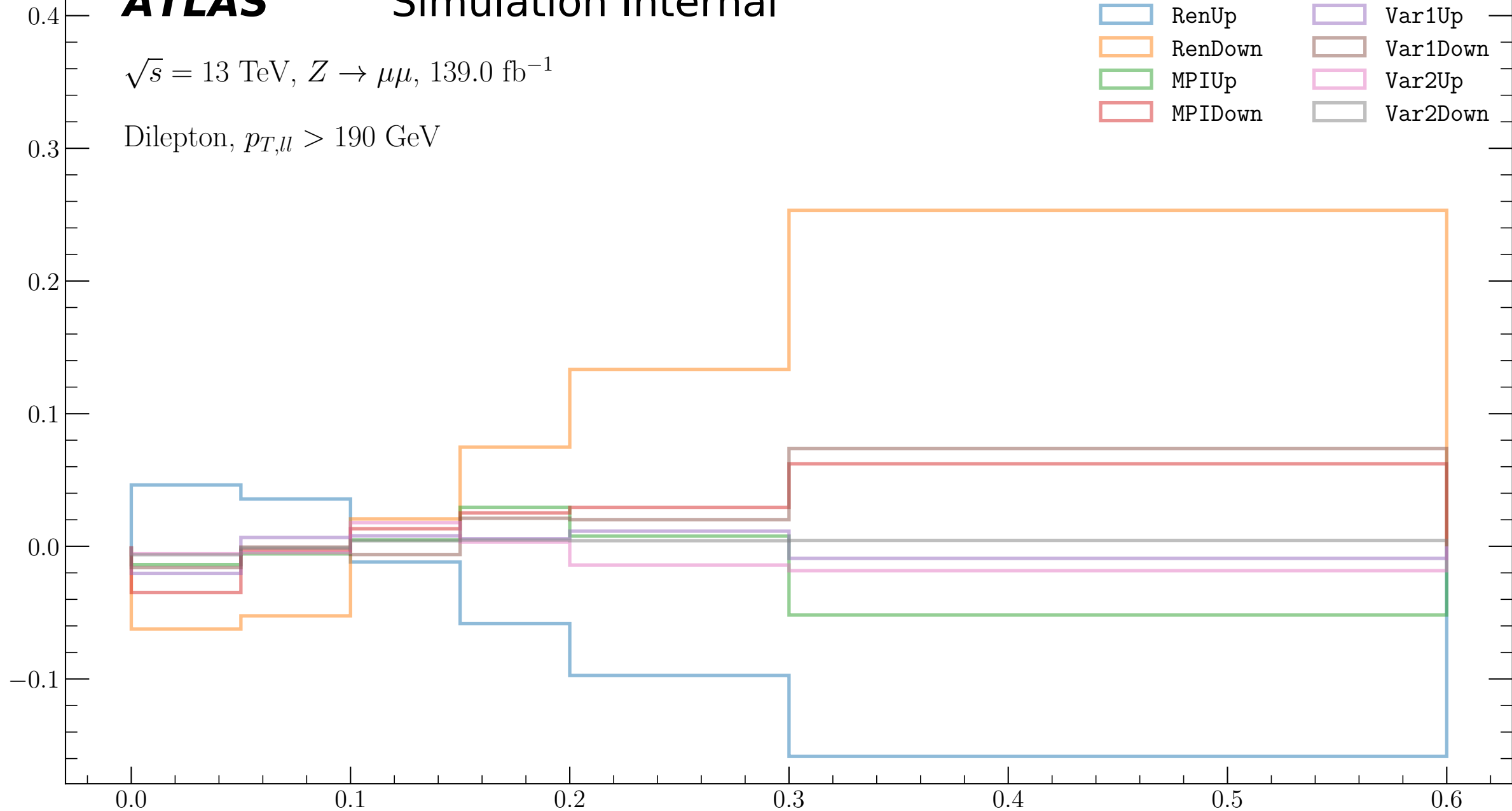
Leading track jet τ_2

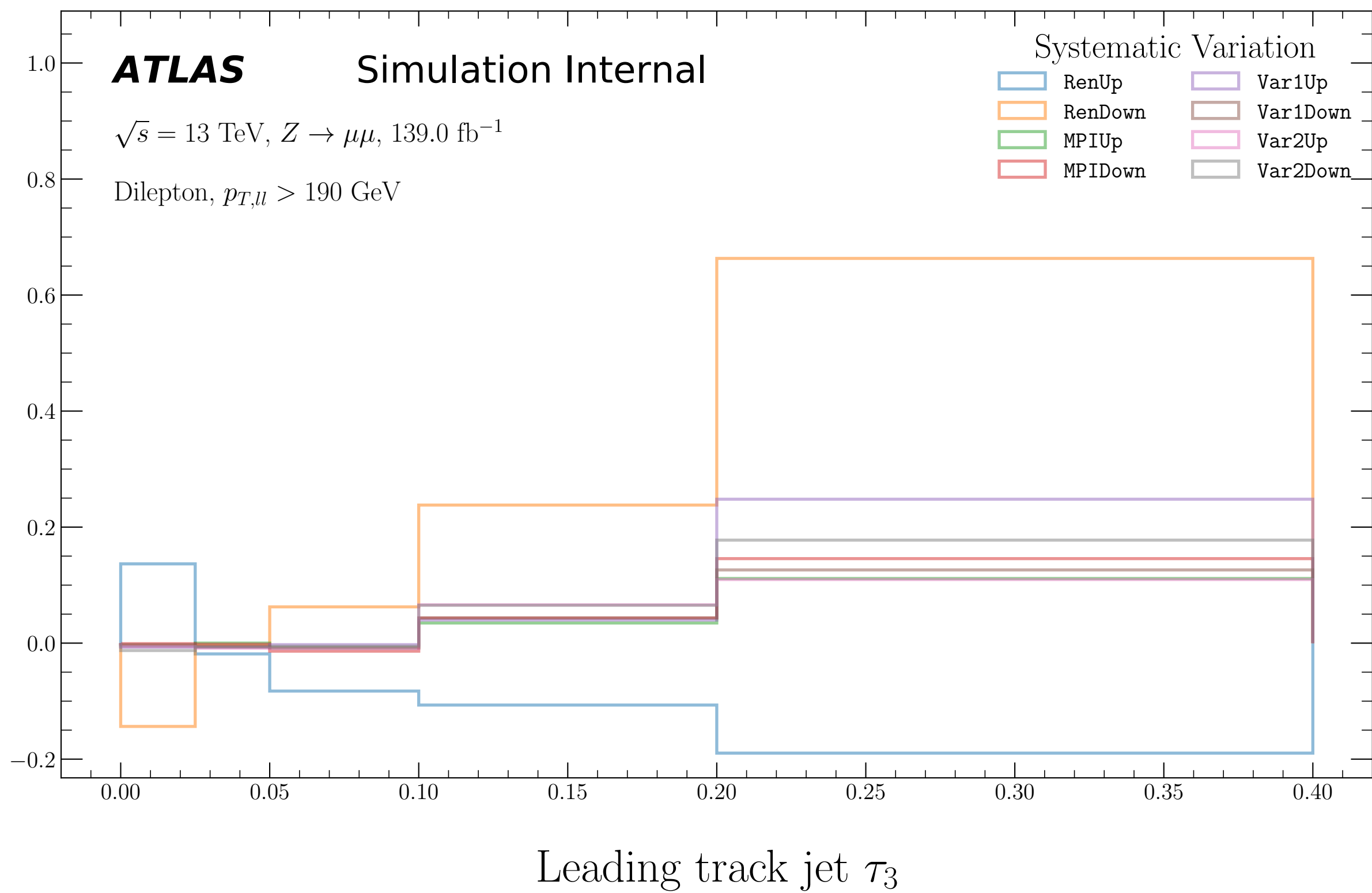
ATLAS

Simulation Internal

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

Systematic Variation

Subleading track jet τ_2

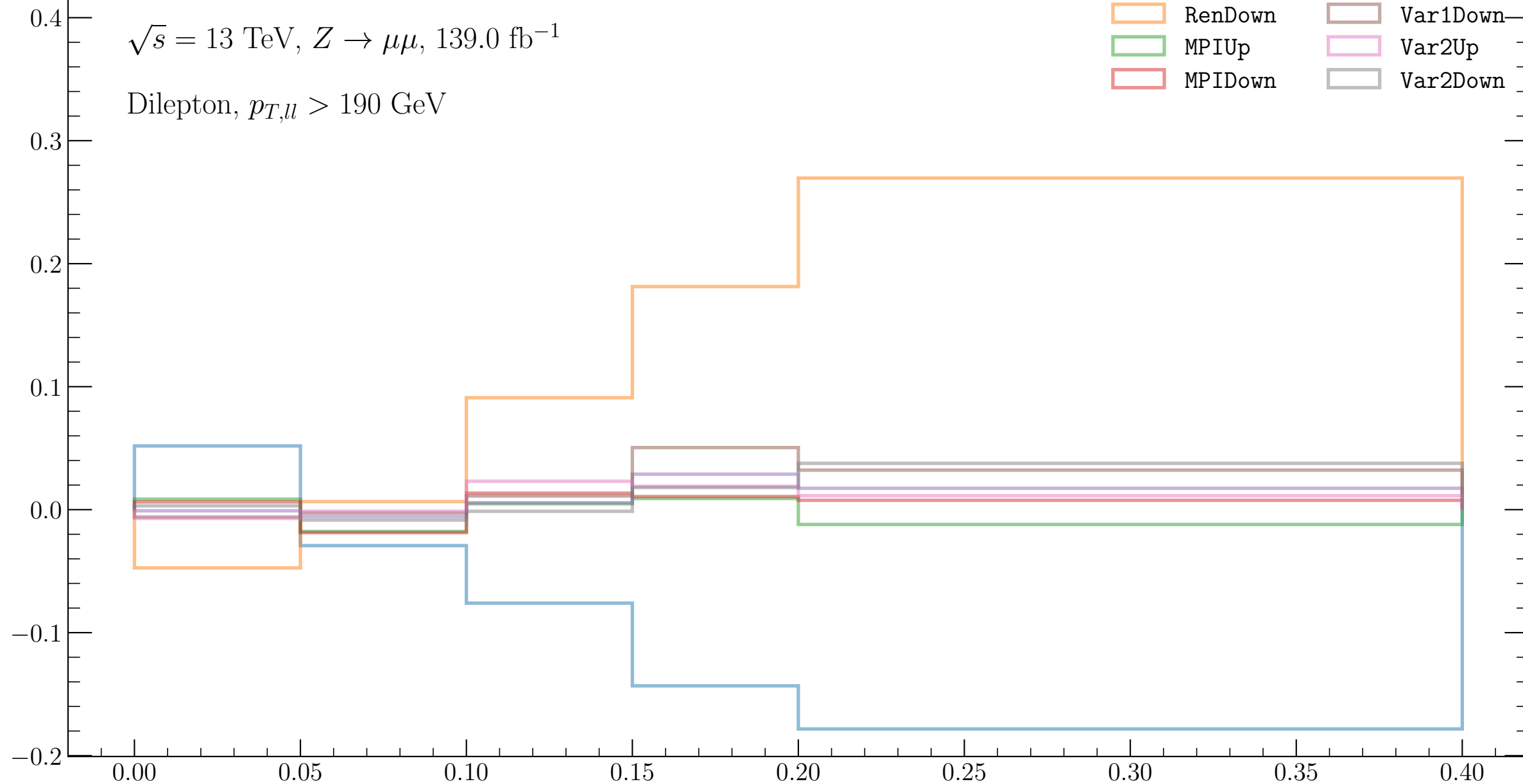


ATLAS

Simulation Internal

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

Systematic Variation

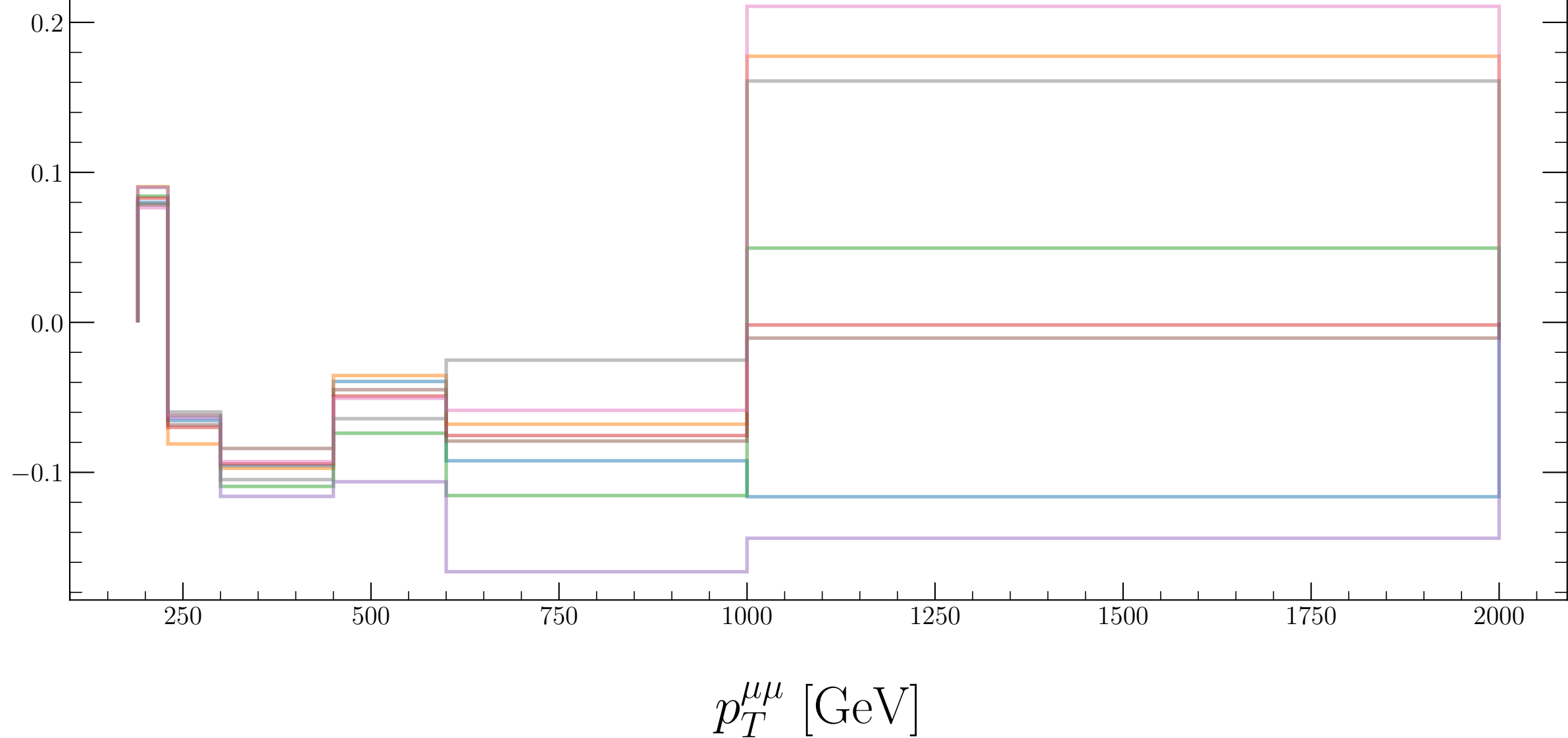
Subleading track jet τ_3

ATLAS

Simulation Internal

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

Systematic Variation

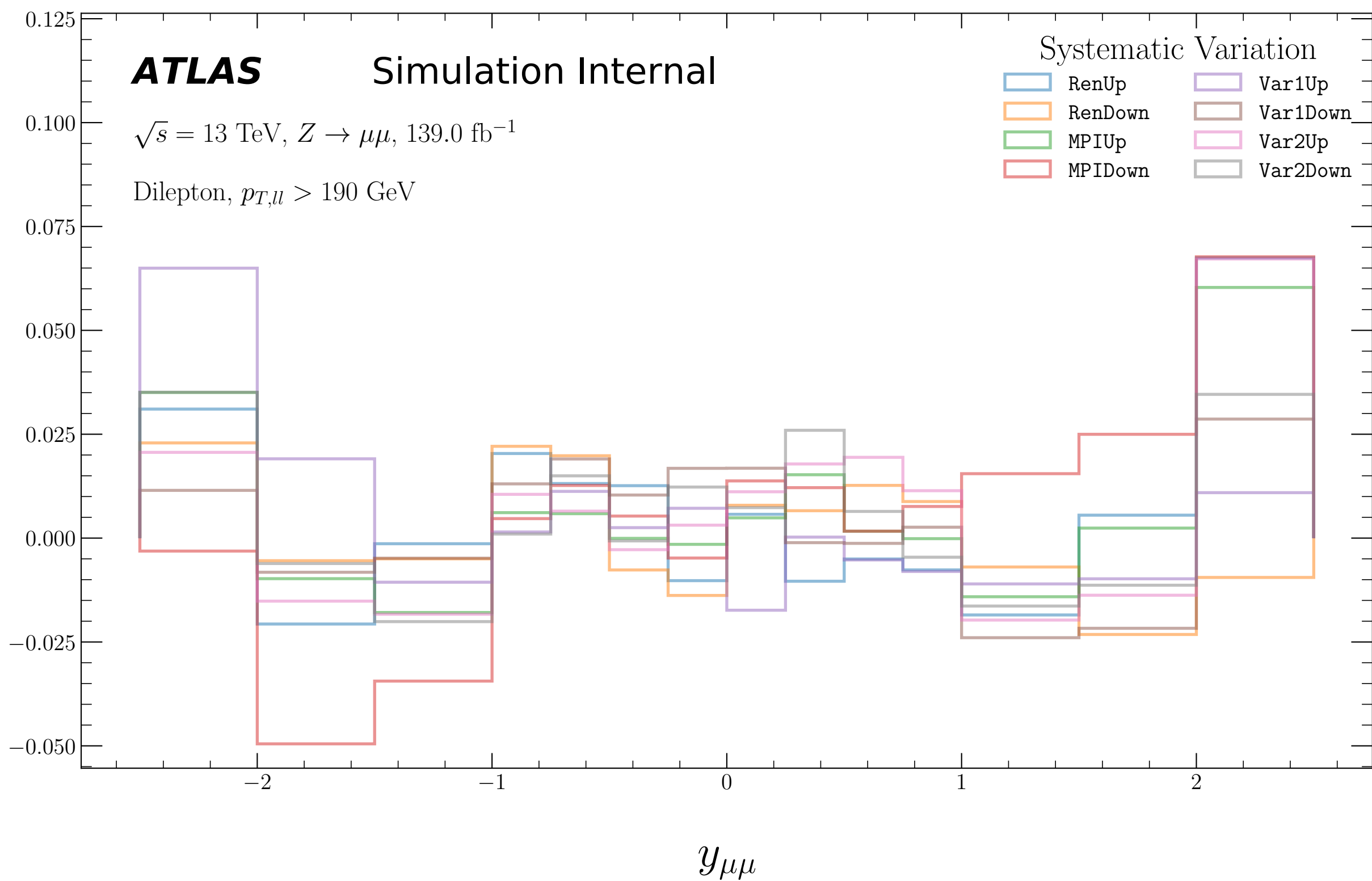
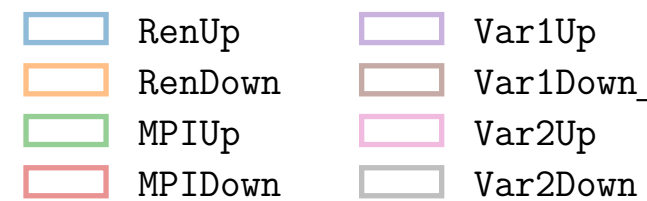


ATLAS

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Systematic Variation

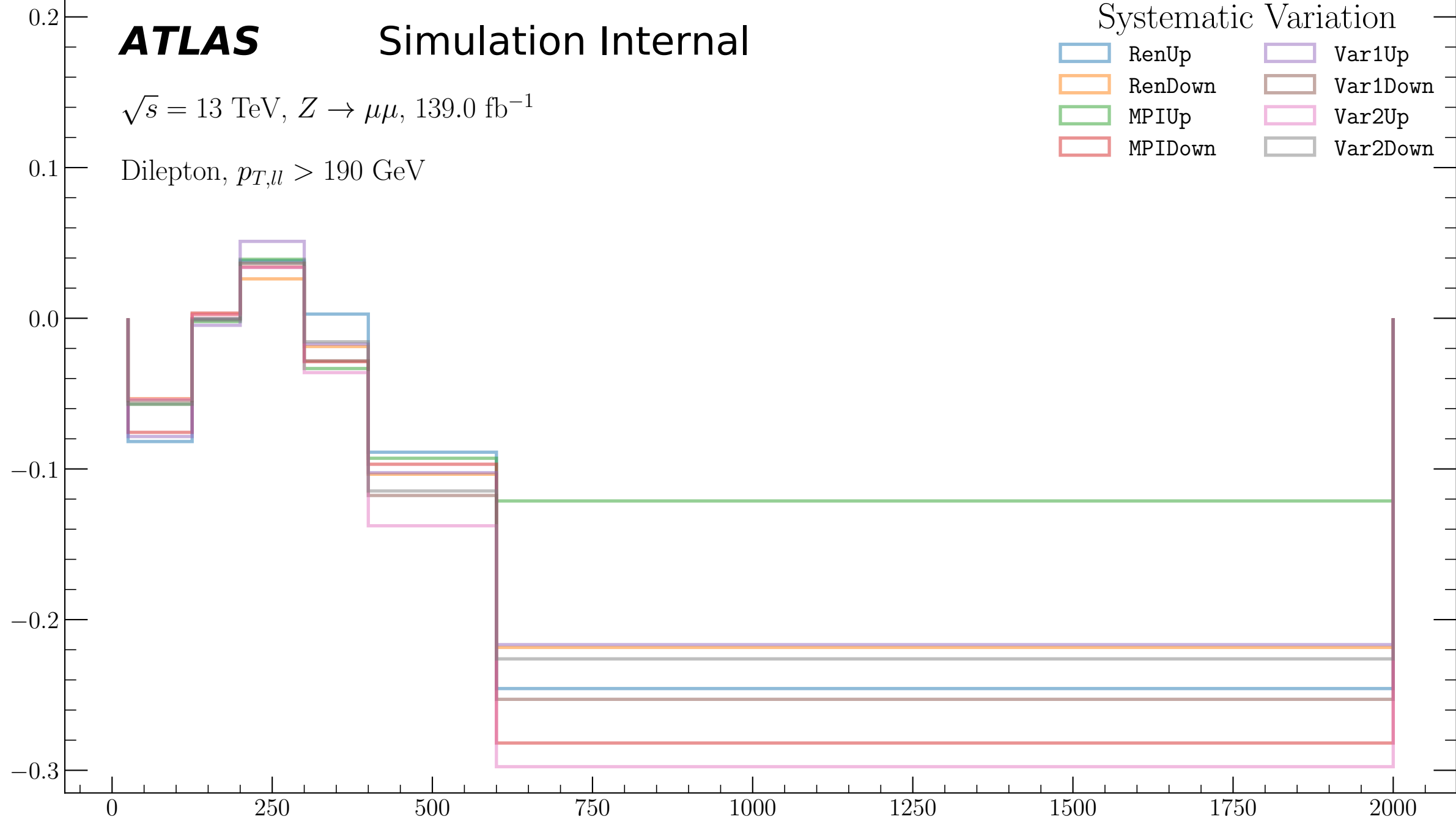


ATLAS

Simulation Internal

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Systematic Variation

 $p_T^{\mu 1}$ [GeV]

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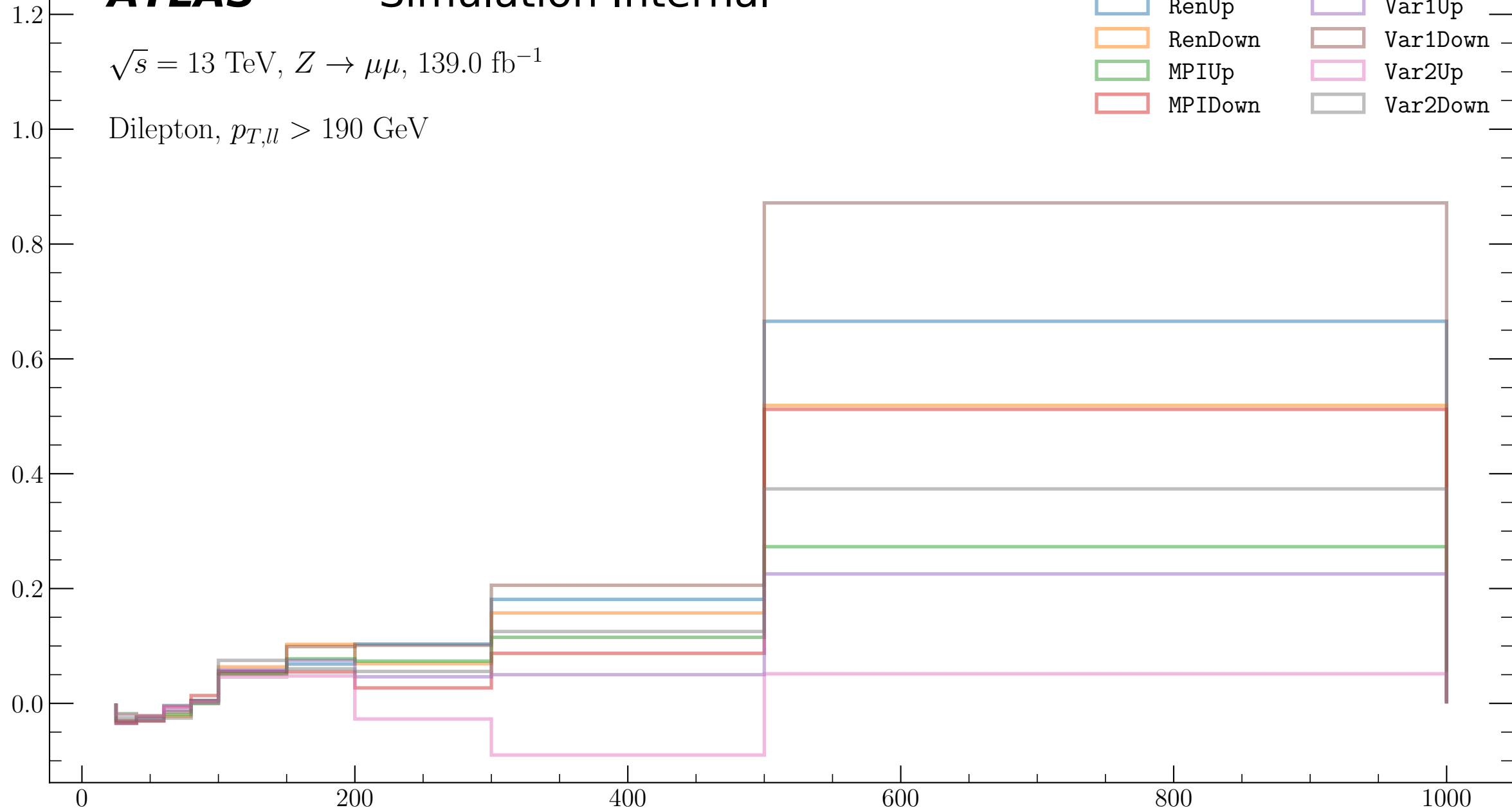
Simulation Internal

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

Dilepton, $p_{T,\ell} > 190 \text{ GeV}$

Systematic Variation

- | | |
|---------|----------|
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| MPIUp | Var2Up |
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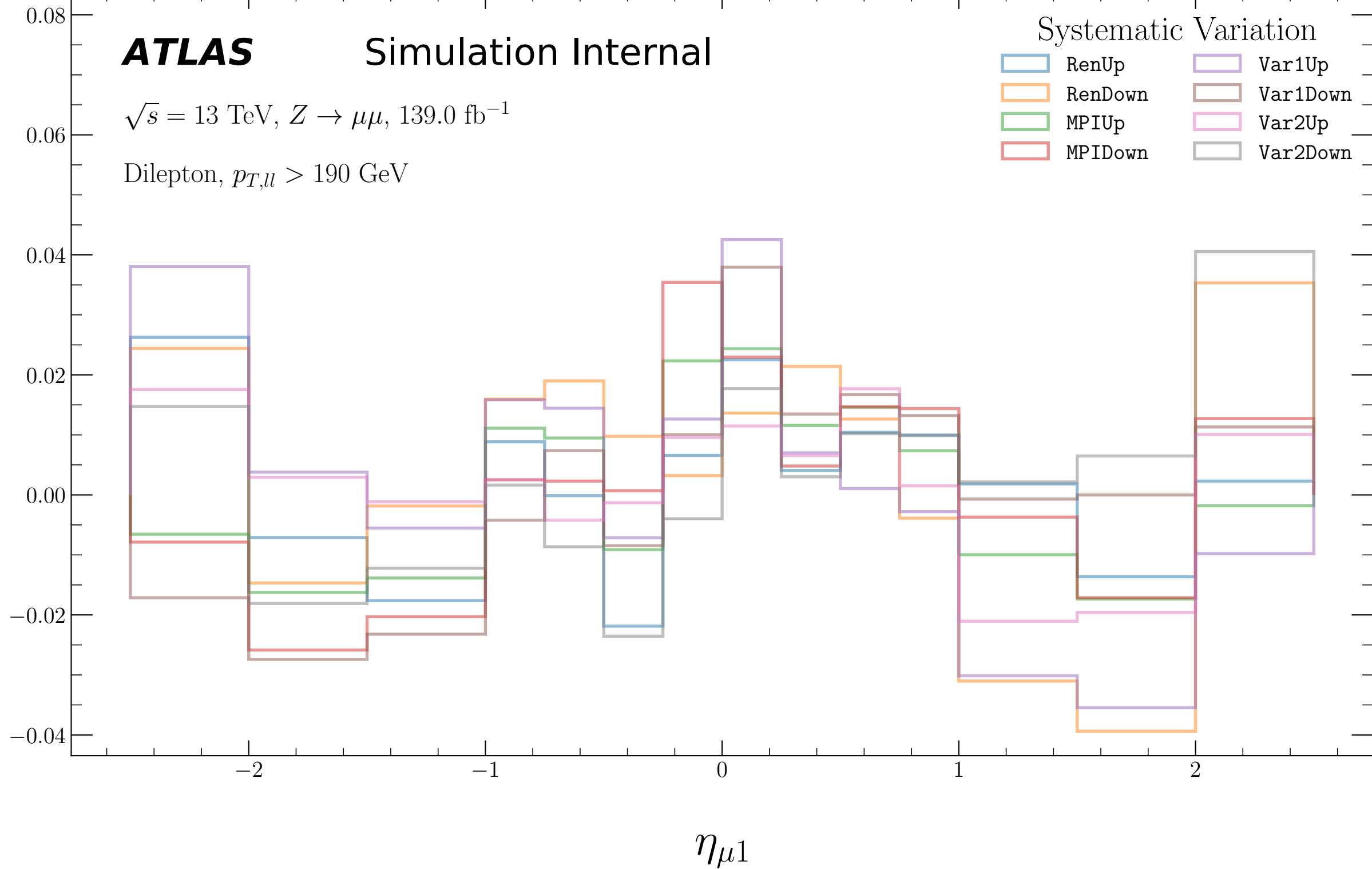
$p_T^{\mu 2}$ [GeV]

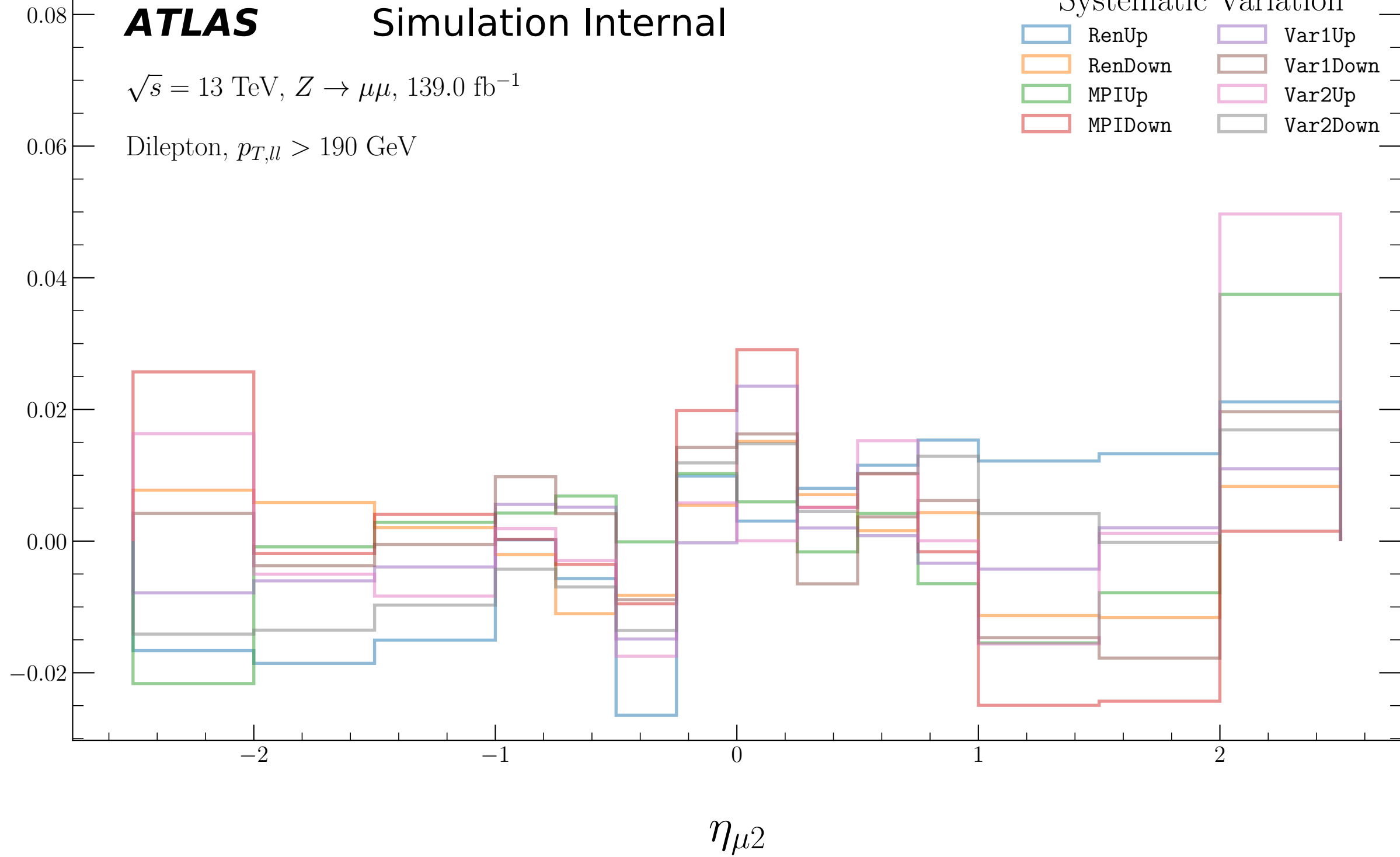
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Systematic Variation





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Systematic Variation

