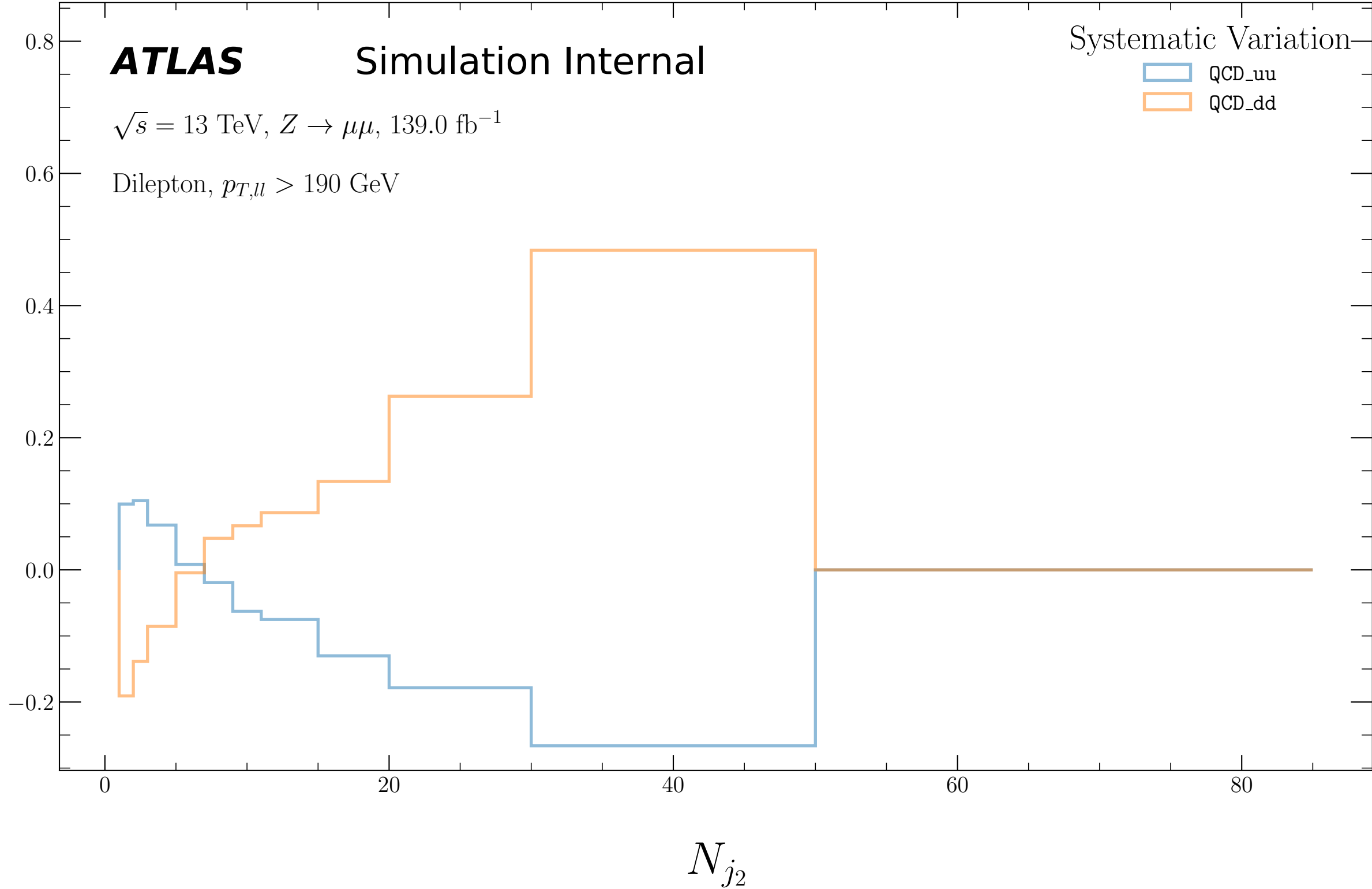


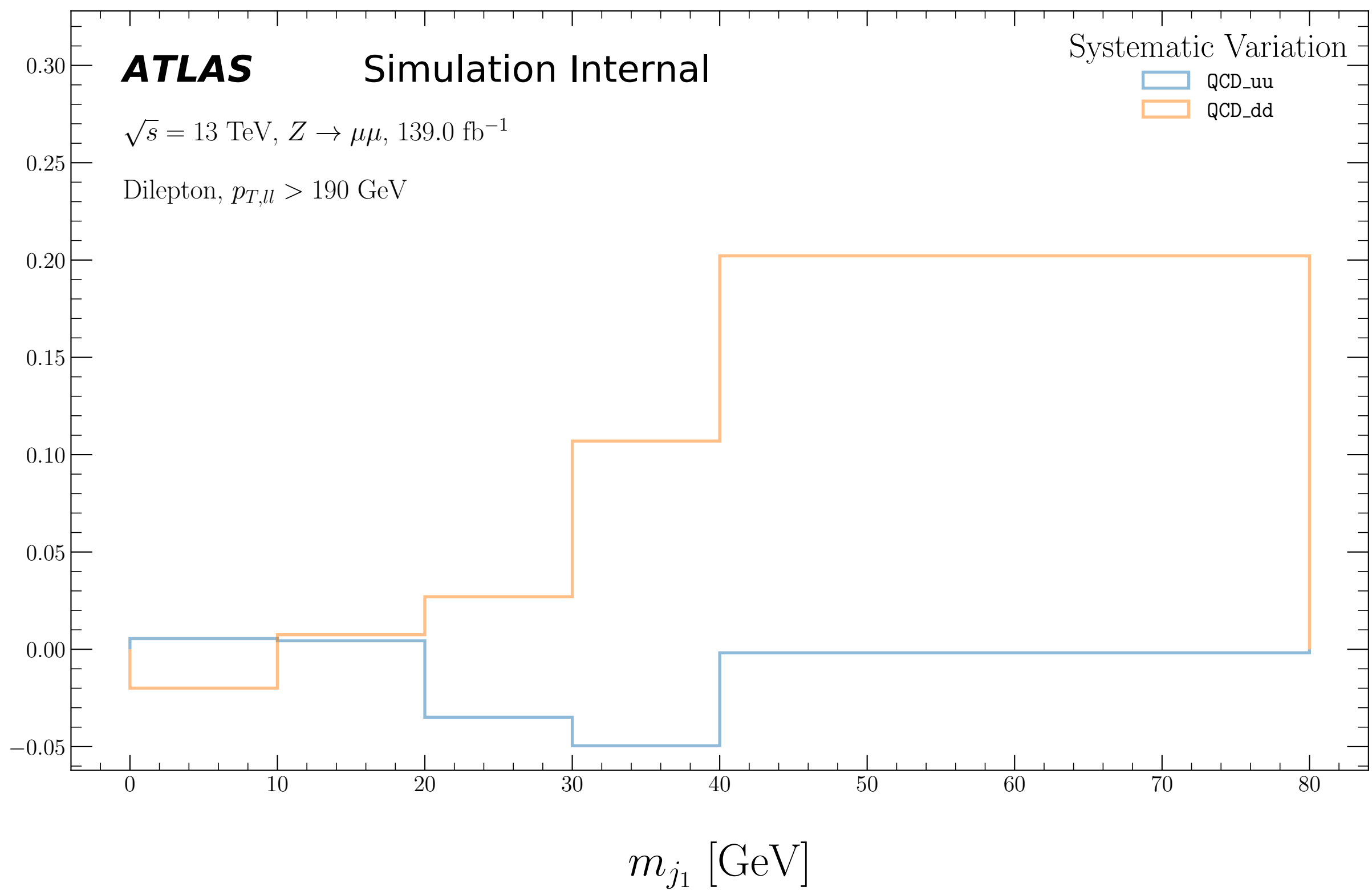
ATLAS

Simulation Internal

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

Systematic Variation

QCD_uu
QCD_dd

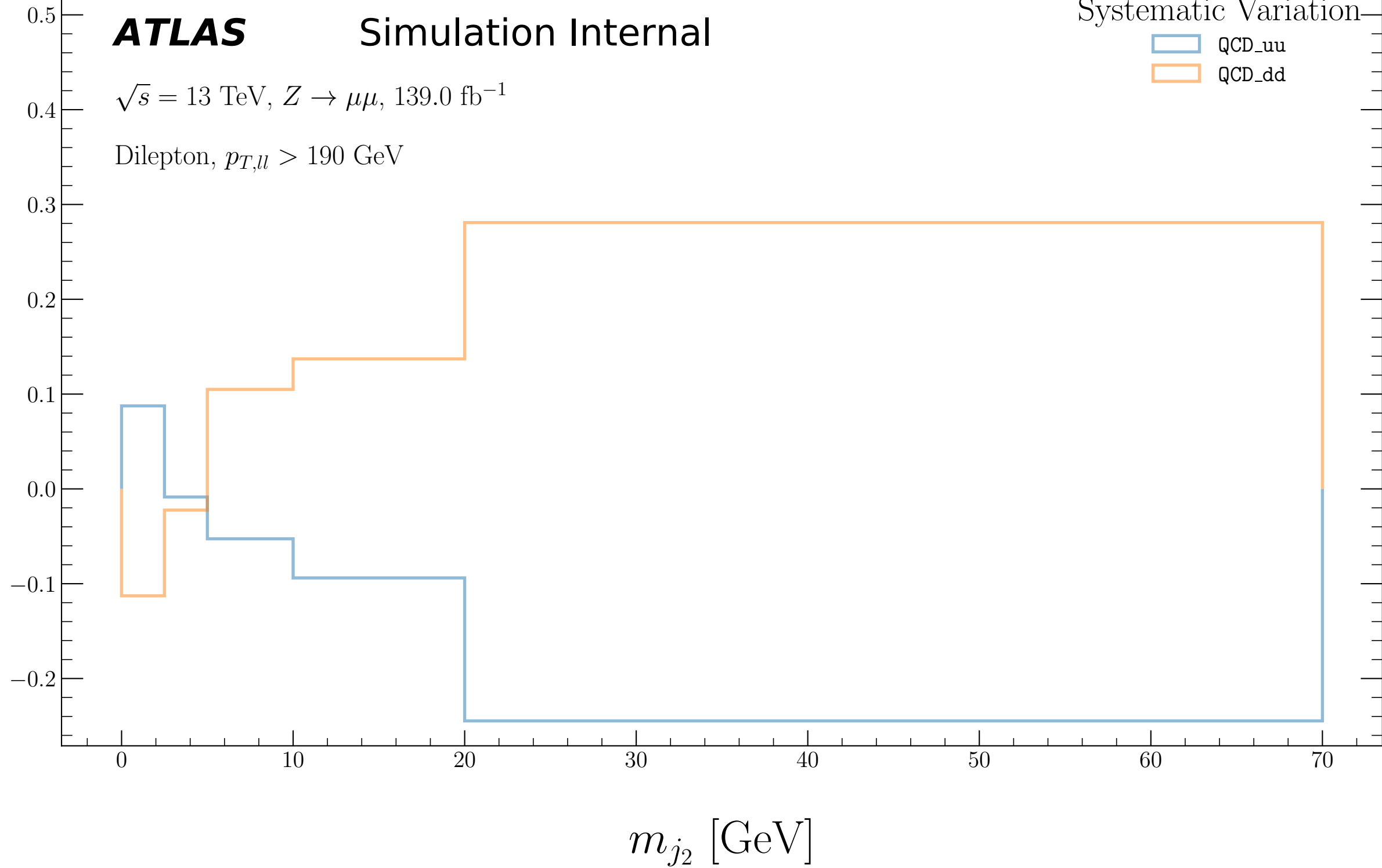


ATLAS

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

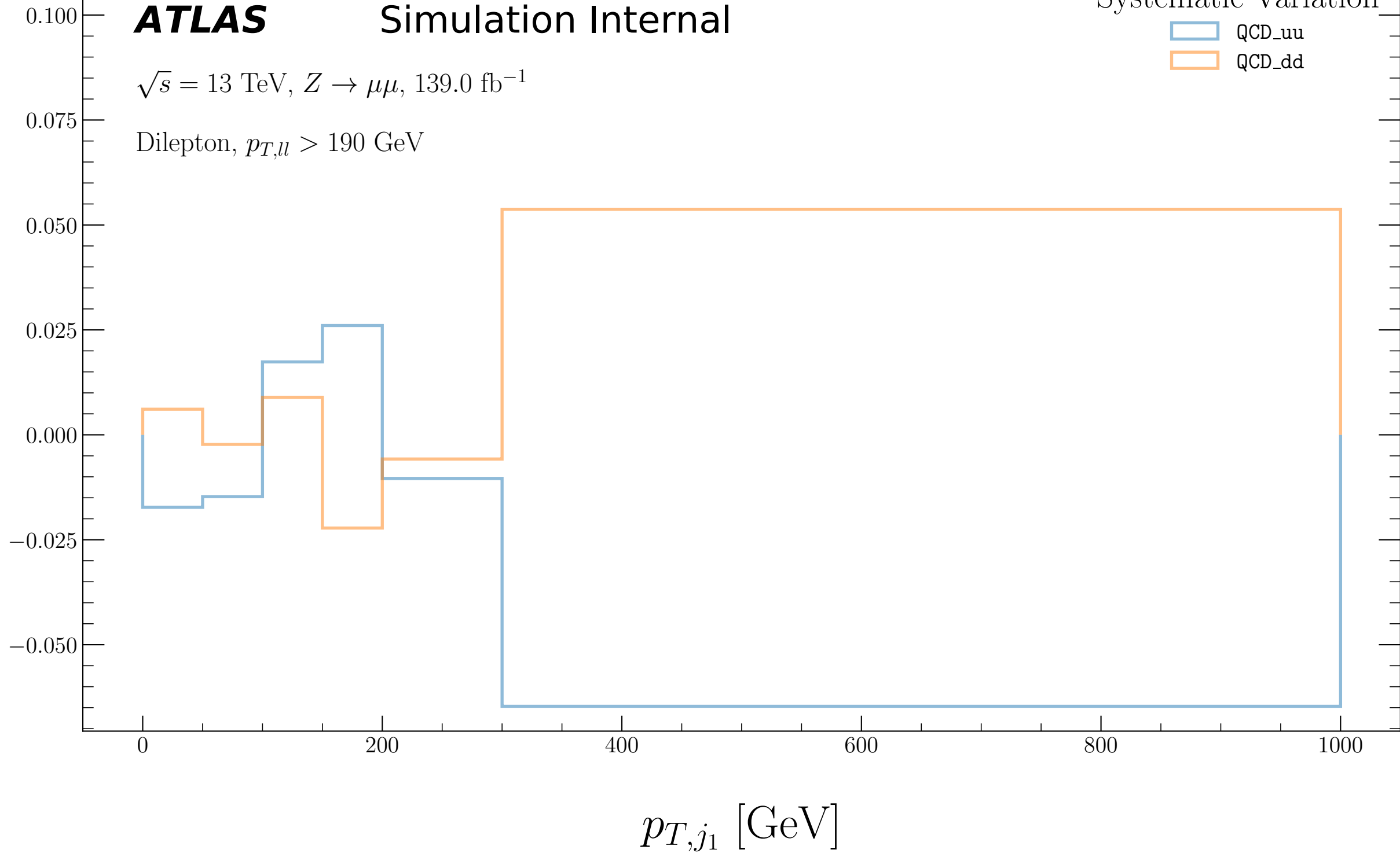
QCD_uu
QCD_dd

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

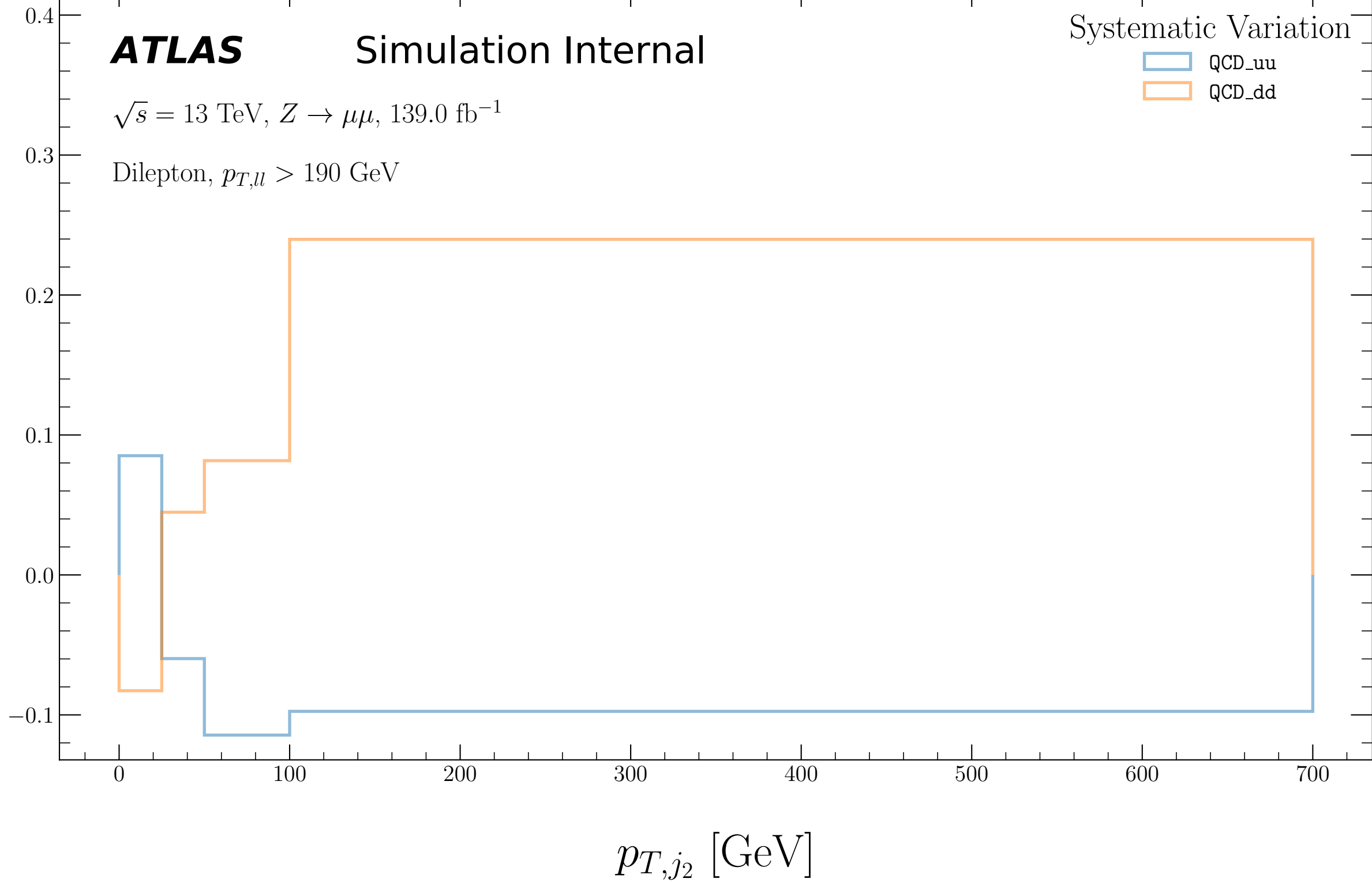
QCD_uu
QCD_dd

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

QCD_uu
QCD_dd

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

QCD_uu
QCD_dd0.08
0.06
0.04
0.02
0.00
-0.02

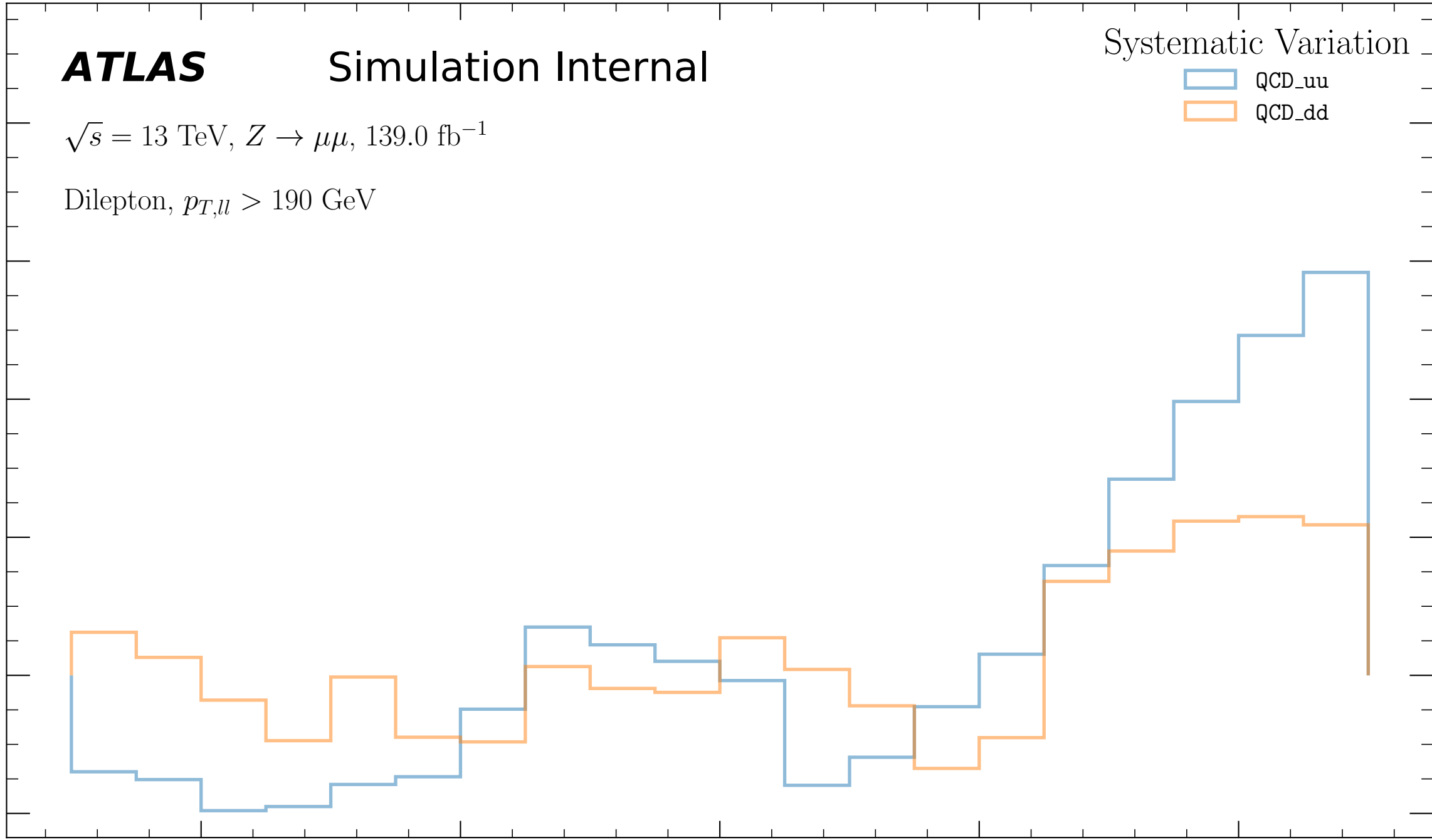
-2

-1

0

1

2

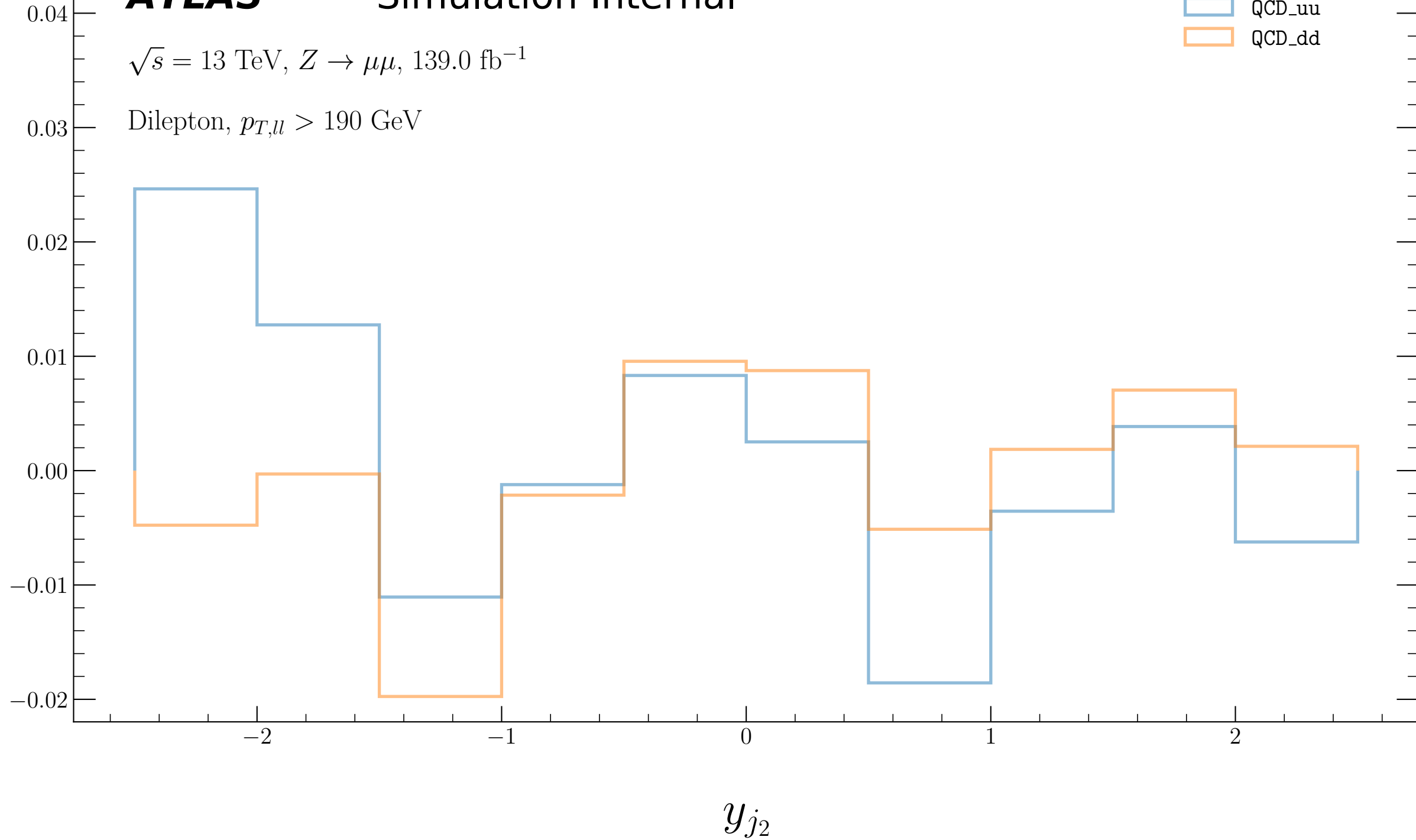
 y_{j_1} 

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

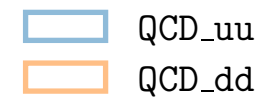
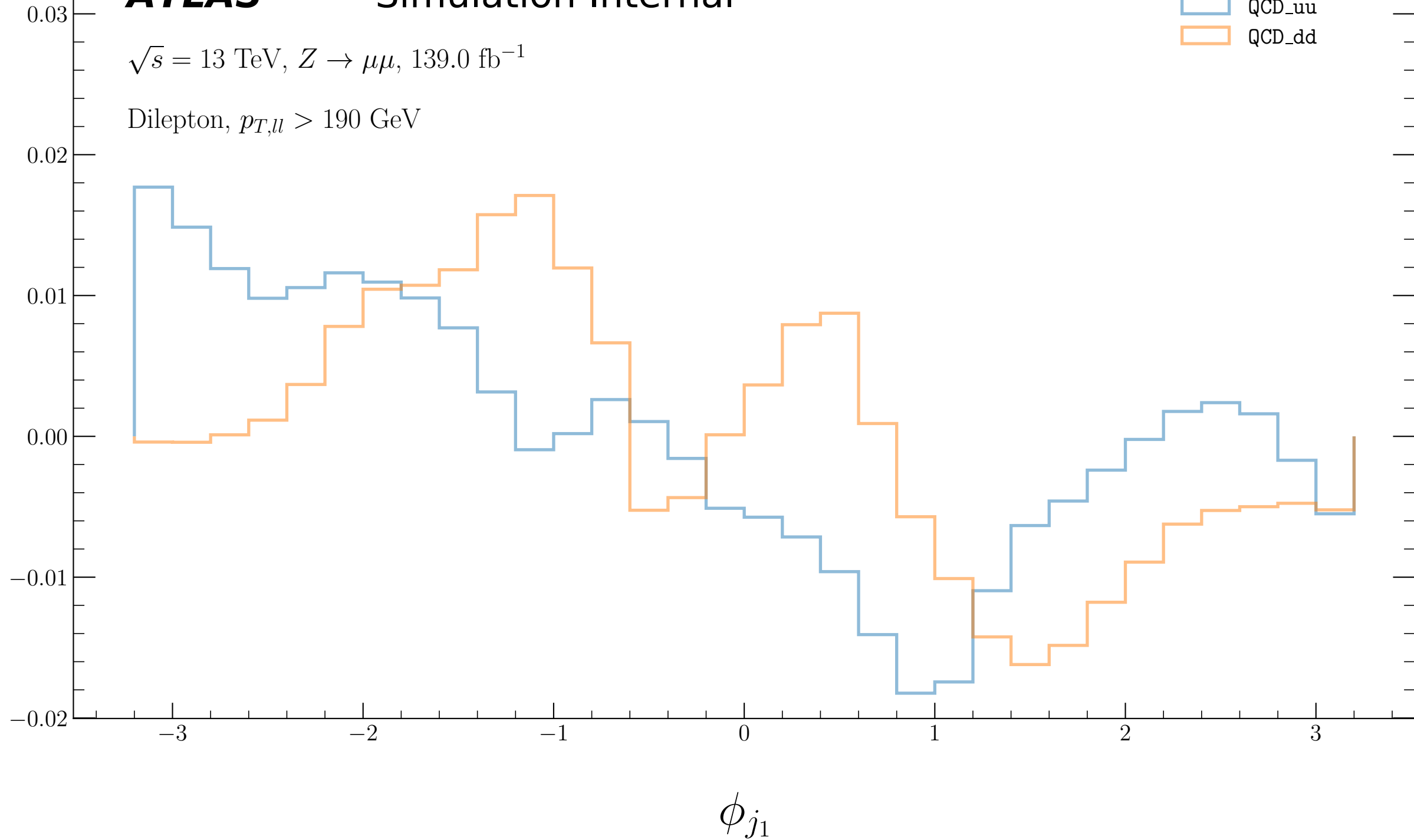
QCD_uu
QCD_dd

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

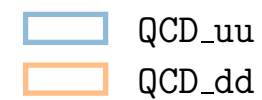
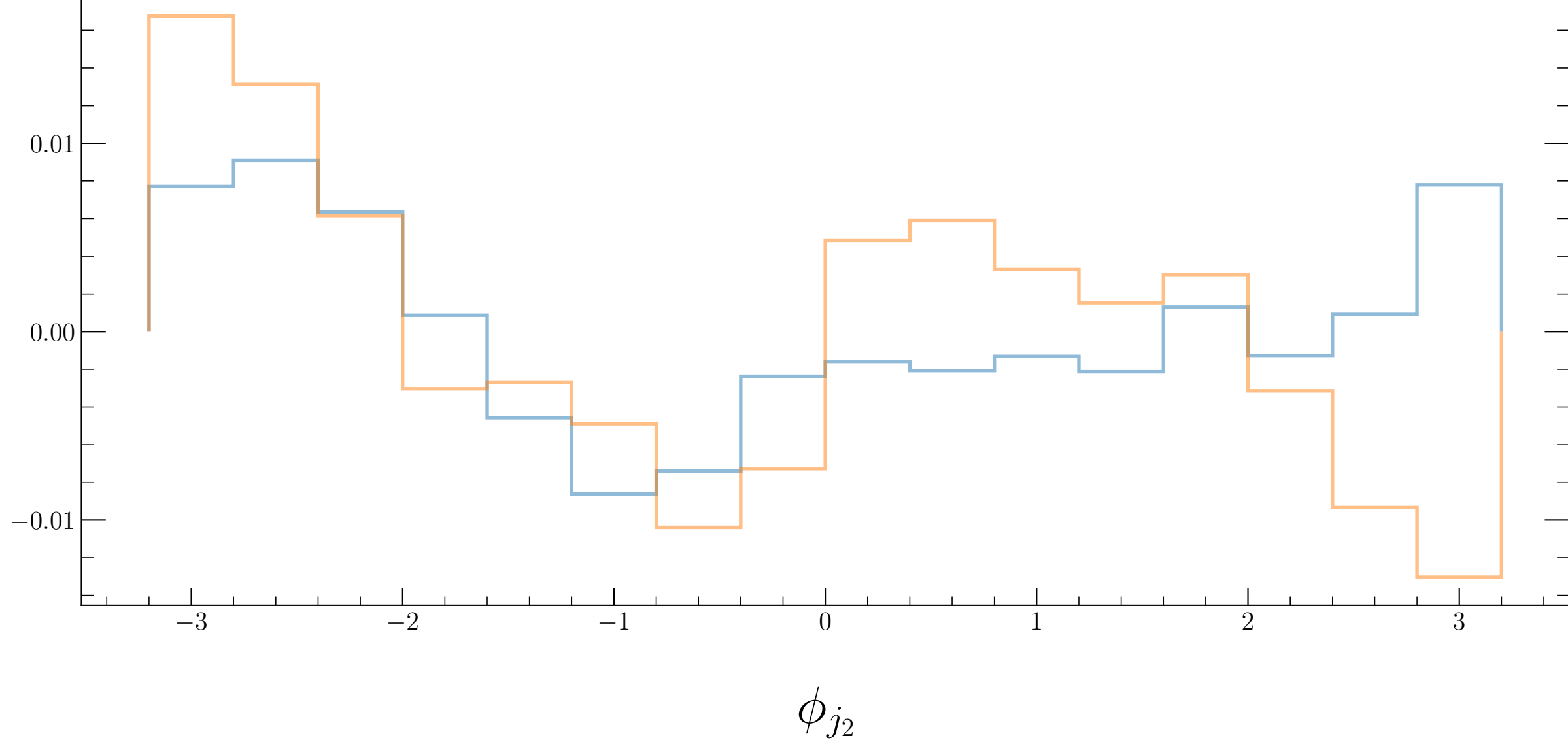
QCD_uu
QCD_dd

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

QCD_uu
QCD_dd

Relative Systematic Effect (UniFold)

ATLAS

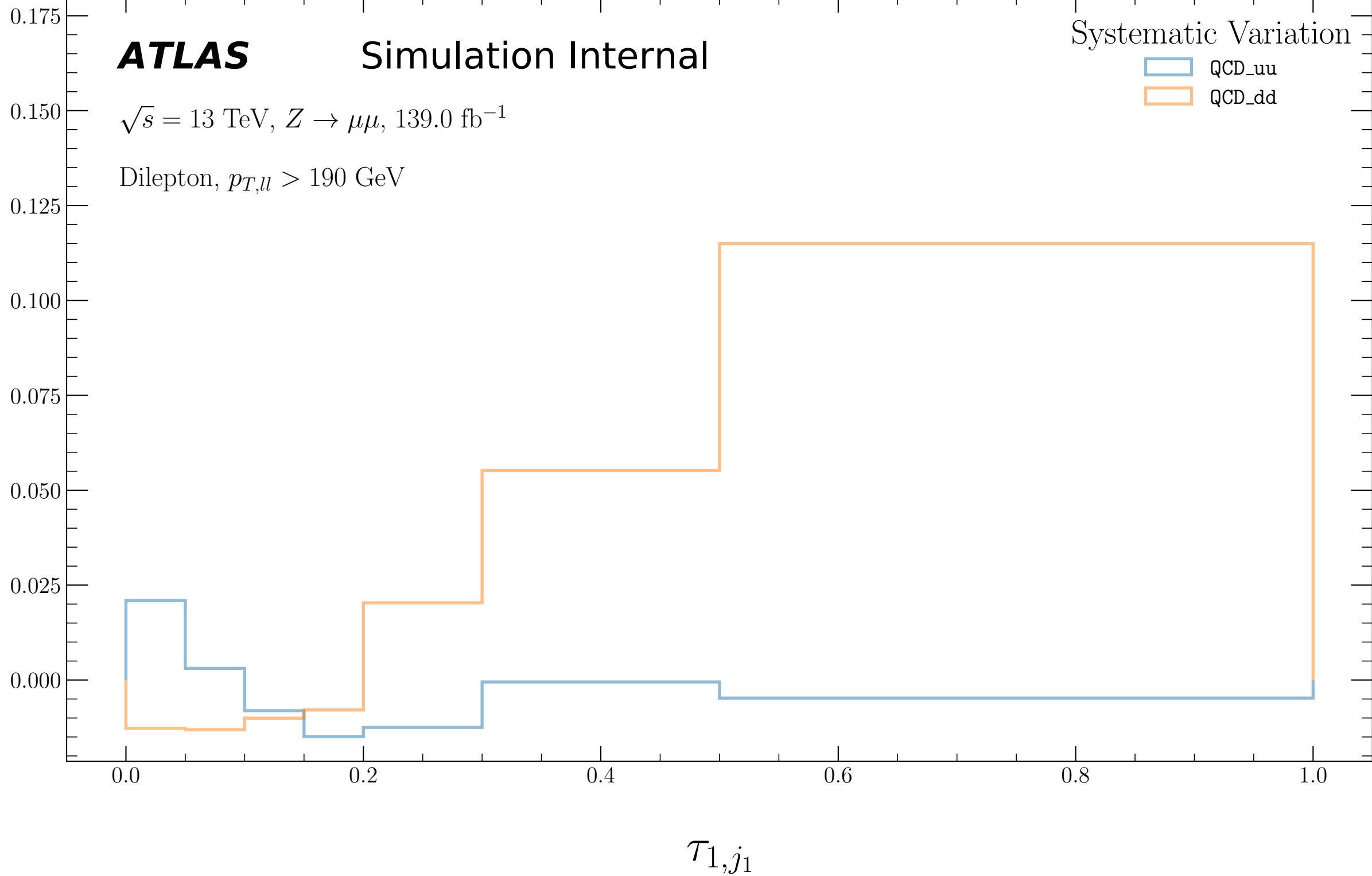
Simulation Internal

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

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

Systematic Variation

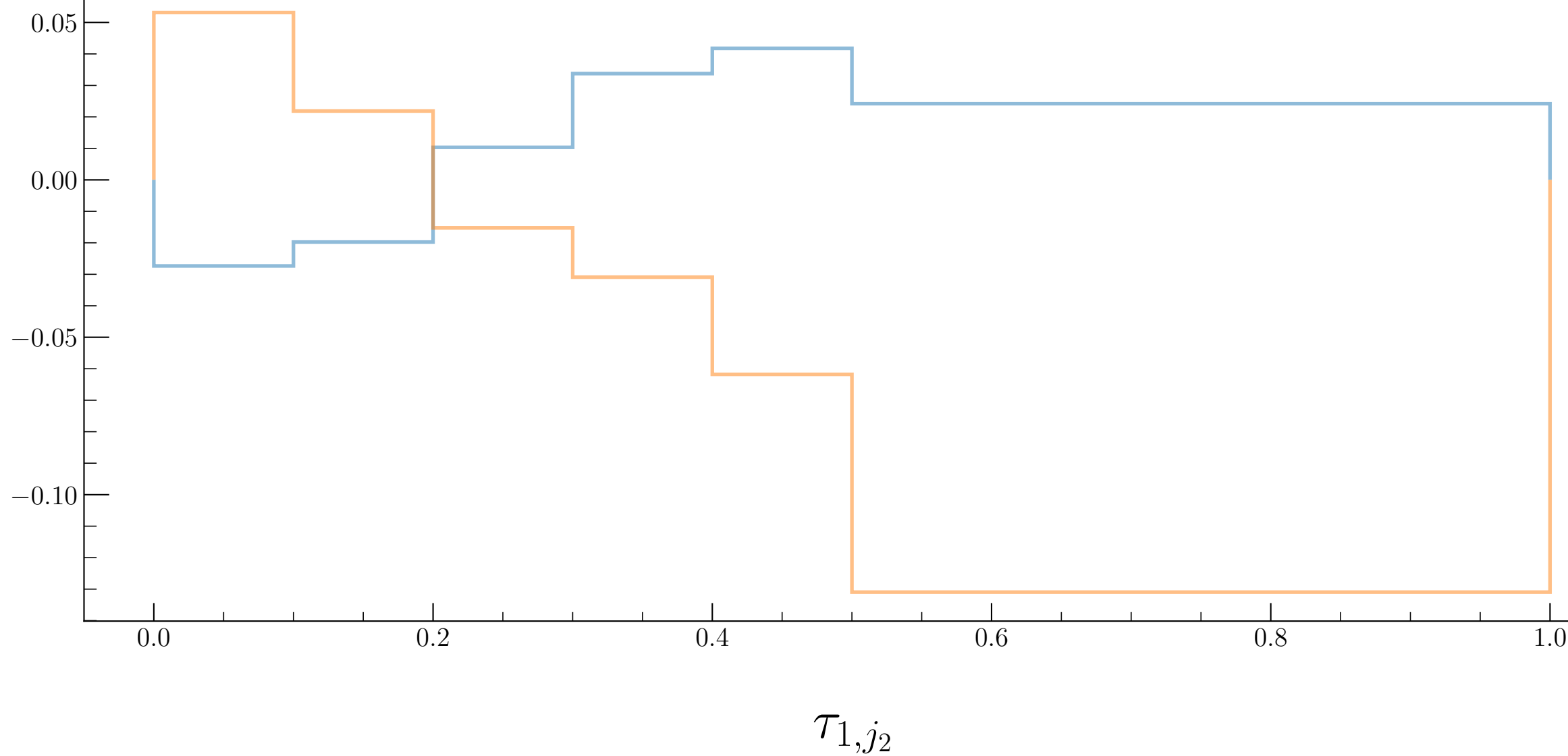
QCD_uu
QCD_dd



ATLAS

Simulation Internal

Systematic Variation

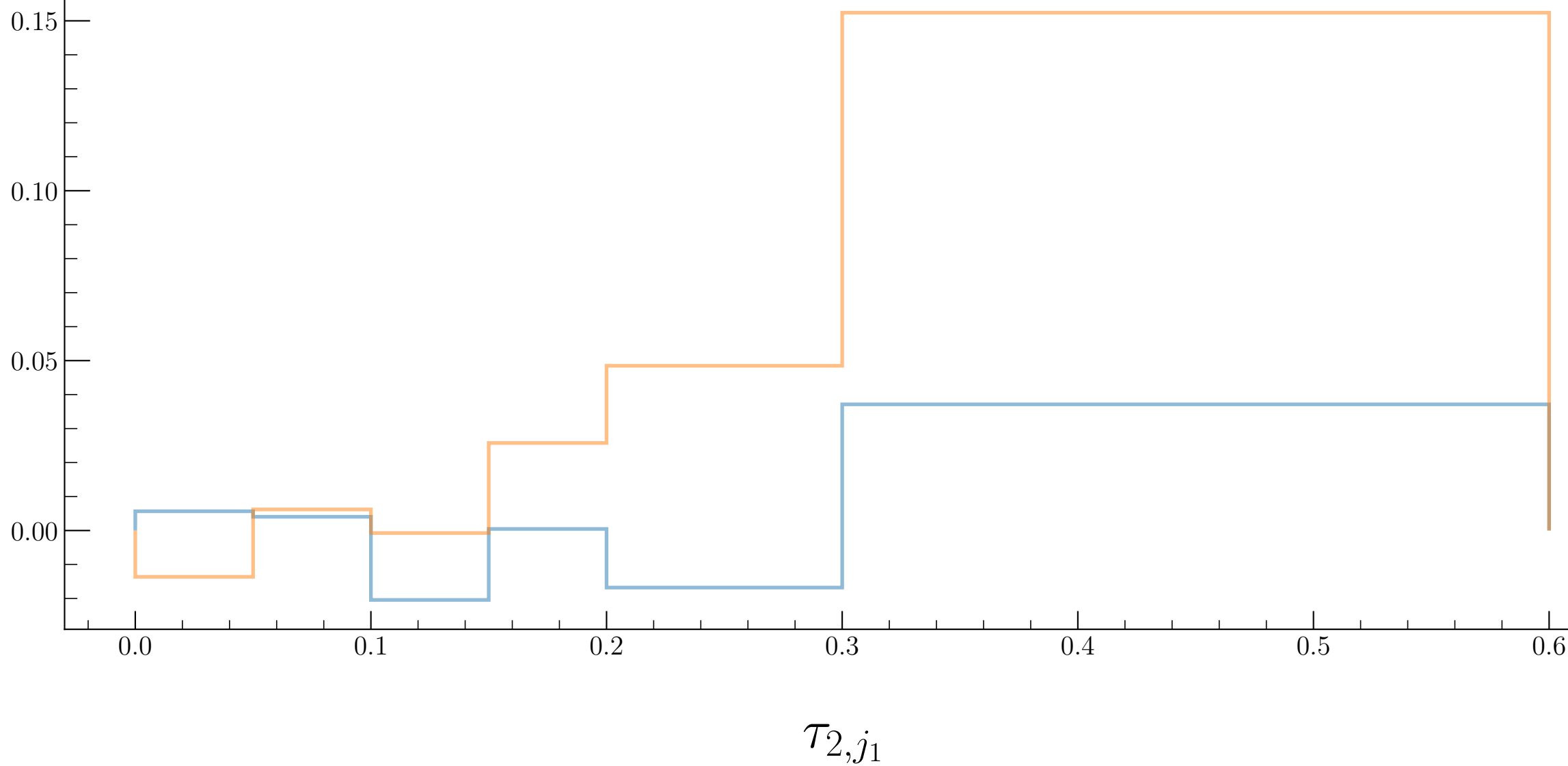
 $\sqrt{s} = 13 \text{ TeV}, Z \rightarrow \mu\mu, 139.0 \text{ fb}^{-1}$ Dilepton, $p_{T,l} > 190 \text{ GeV}$ QCD_uu
QCD_dd

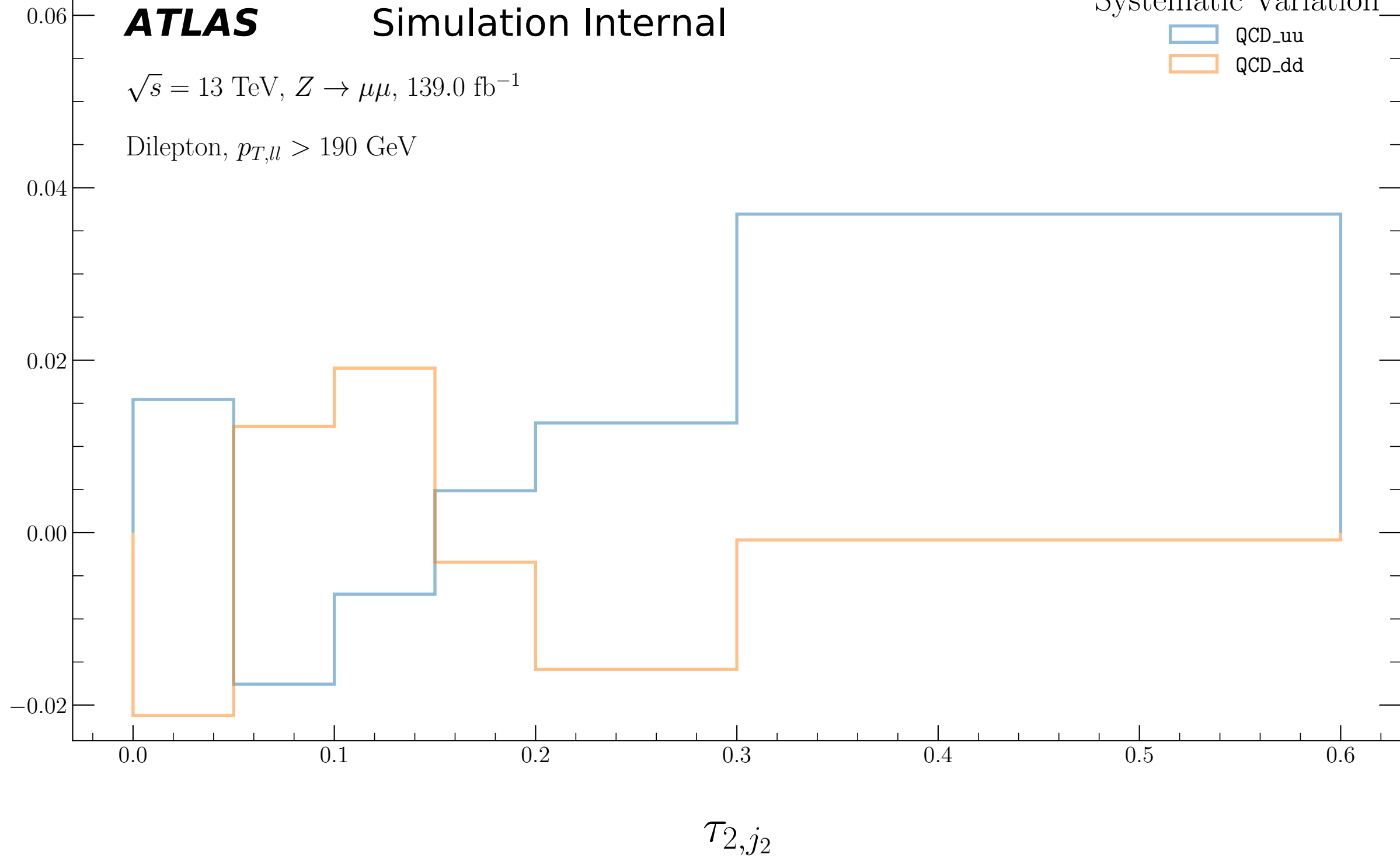
ATLAS

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

QCD_uu
QCD_dd



Relative Systematic Effect (UniFold)

ATLAS

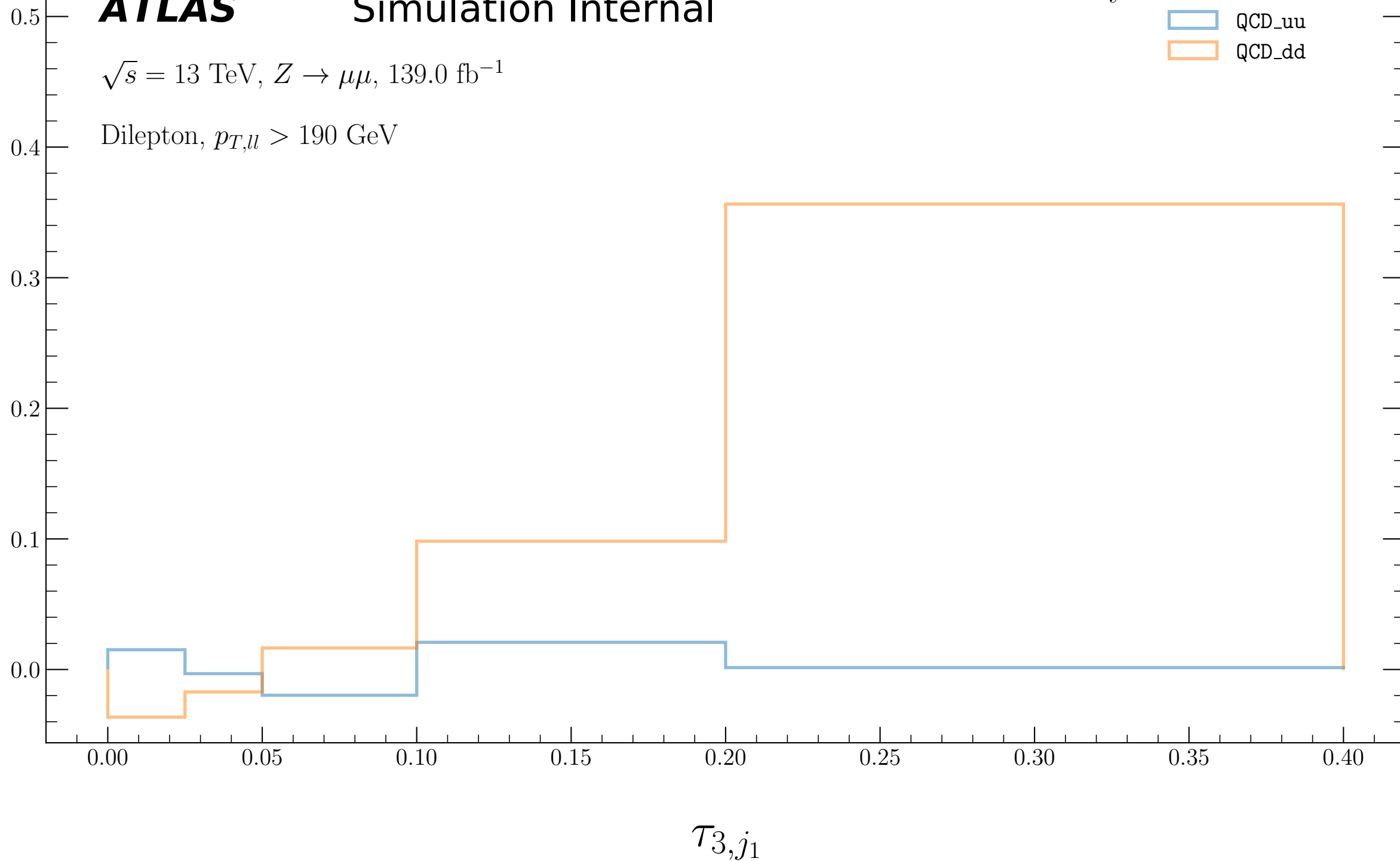
Simulation Internal

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

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

Systematic Variation

QCD_uu
QCD_dd



Relative Systematic Effect (UniFold)

ATLAS

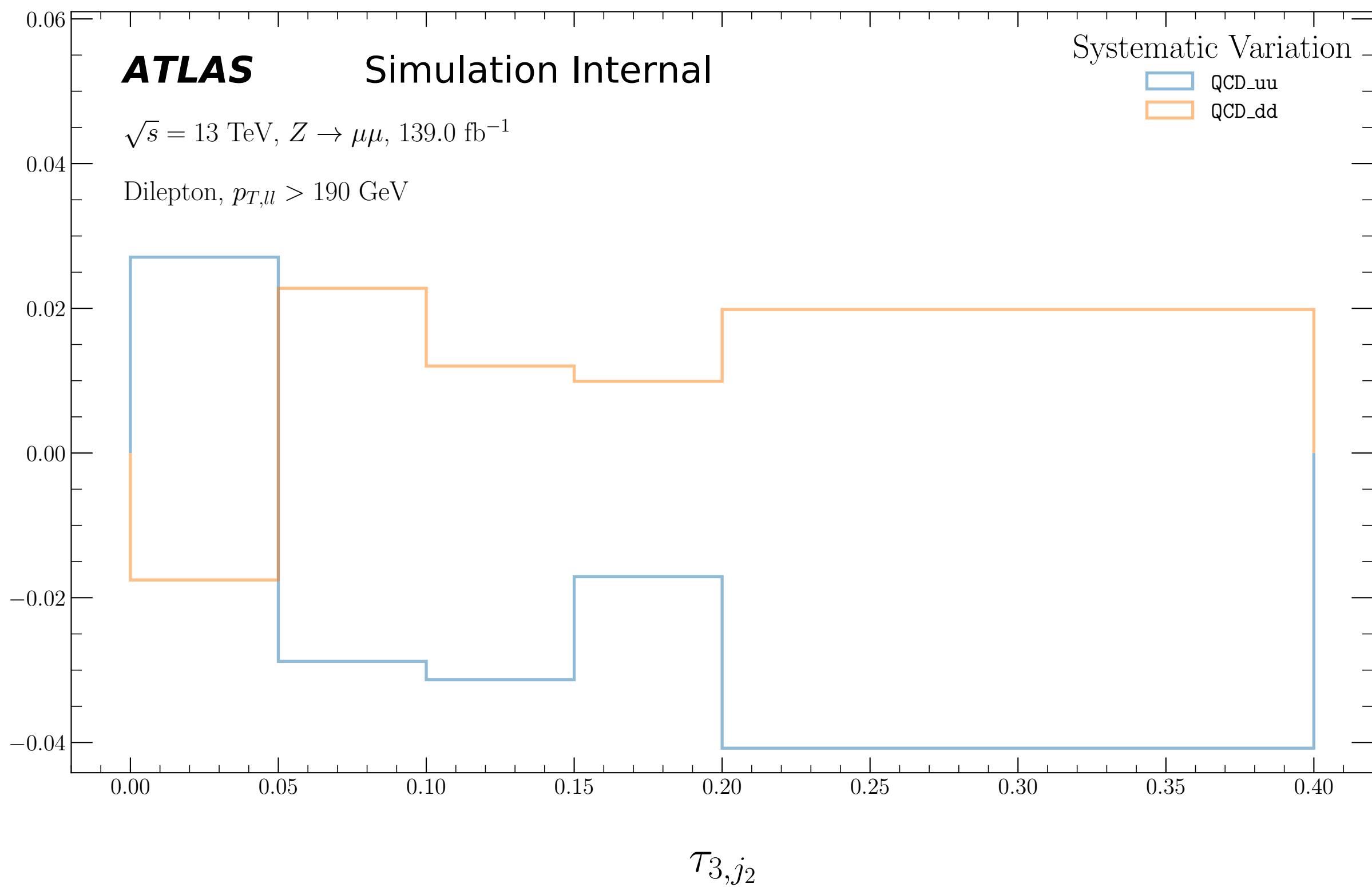
Simulation Internal

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

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

Systematic Variation

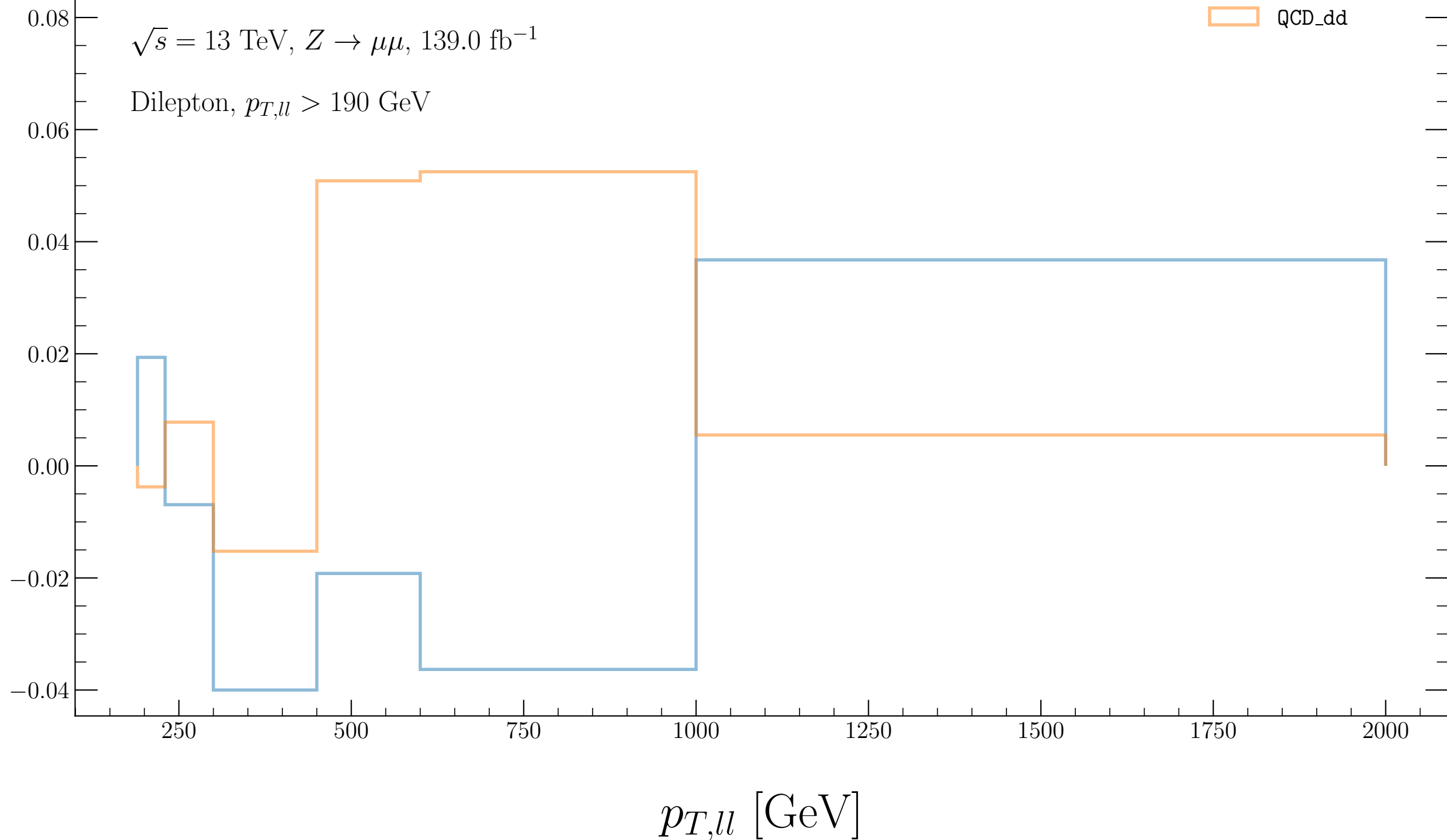
QCD_uu
QCD_dd



ATLAS

Simulation Internal

Systematic Variation

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

Relative Systematic Effect (UniFold)

ATLAS

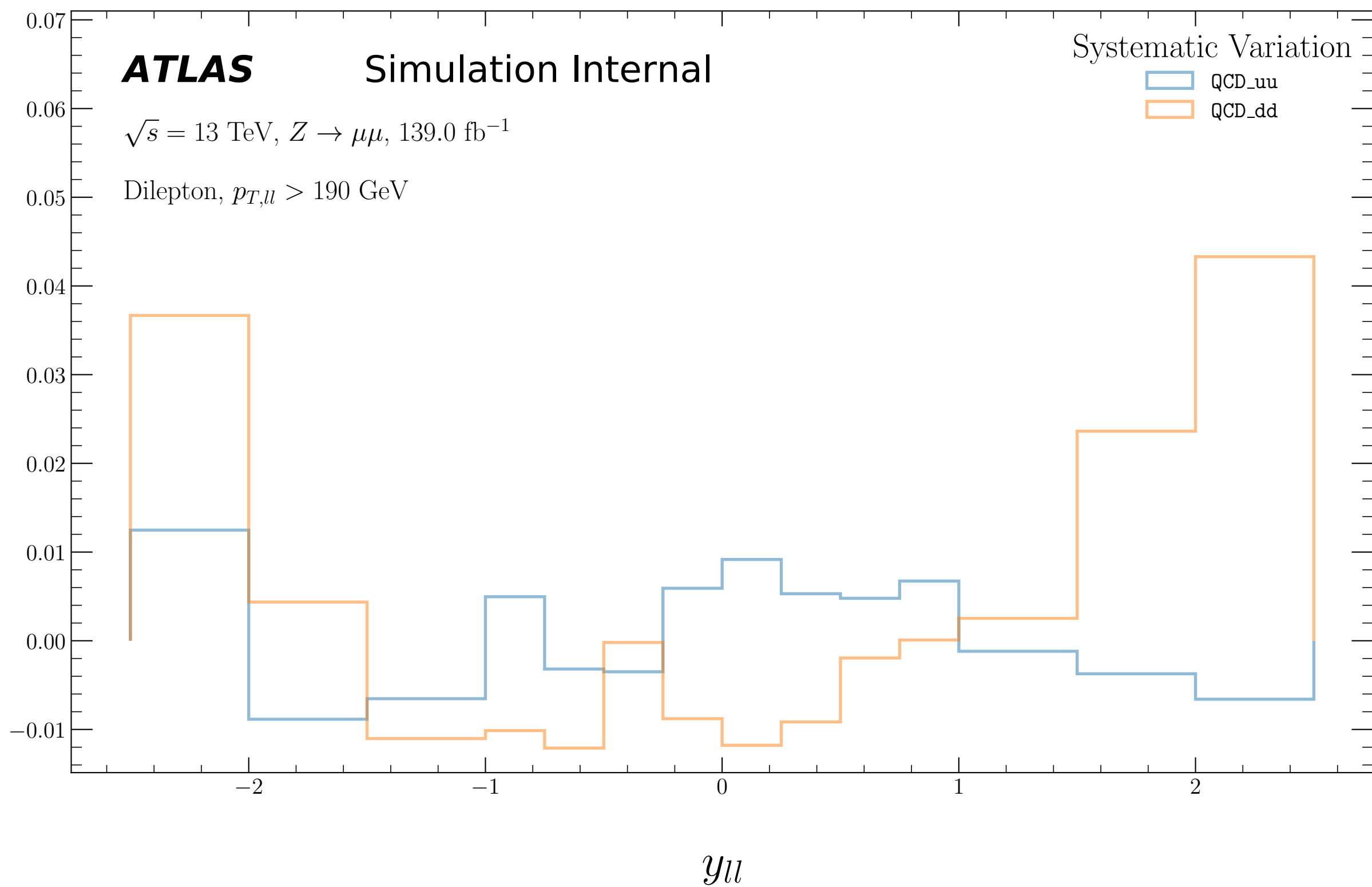
Simulation Internal

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

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

Systematic Variation

QCD_uu
QCD_dd

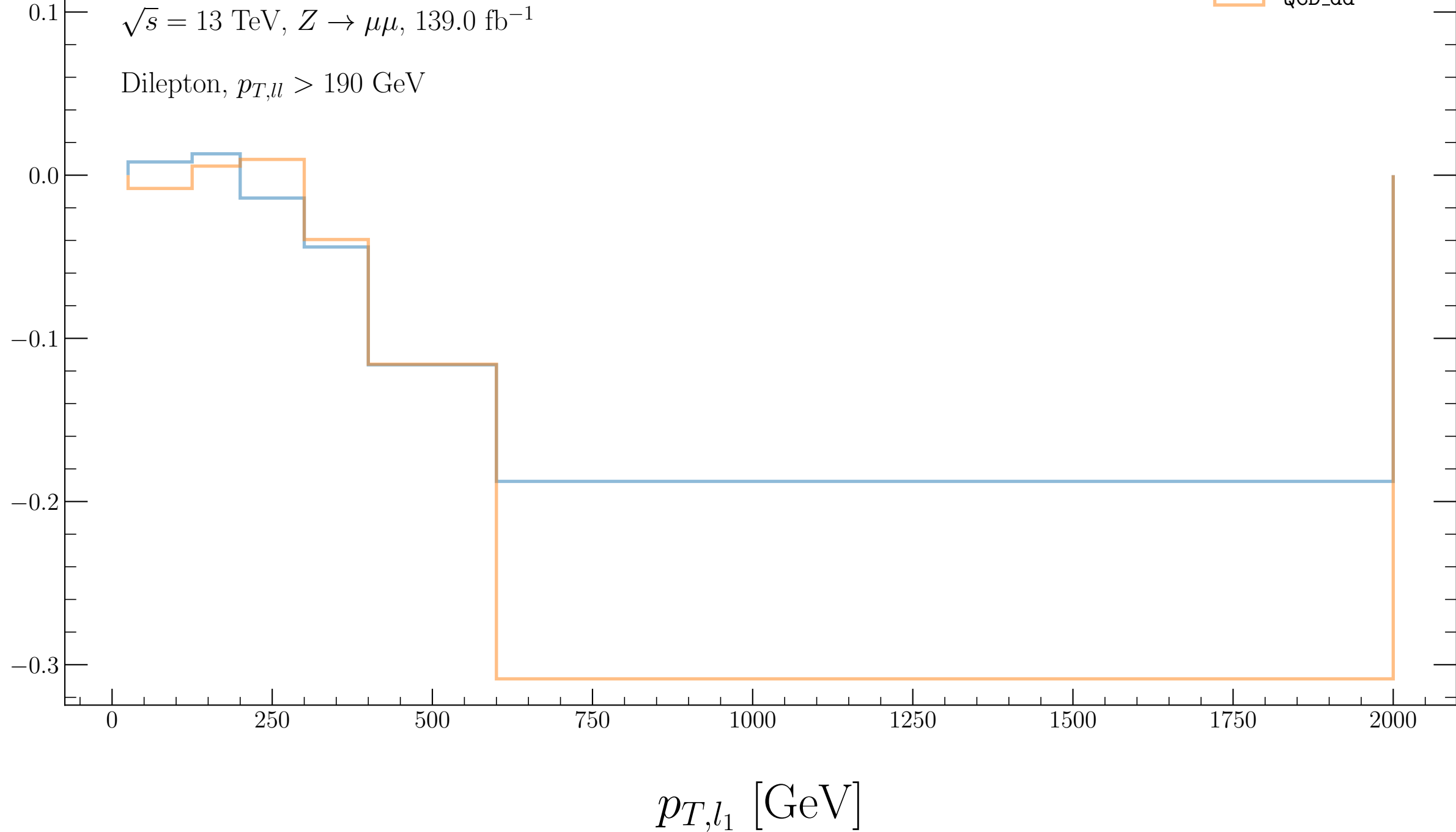


ATLAS

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

QCD_uu
QCD_dd

Relative Systematic Effect (UniFold)

ATLAS

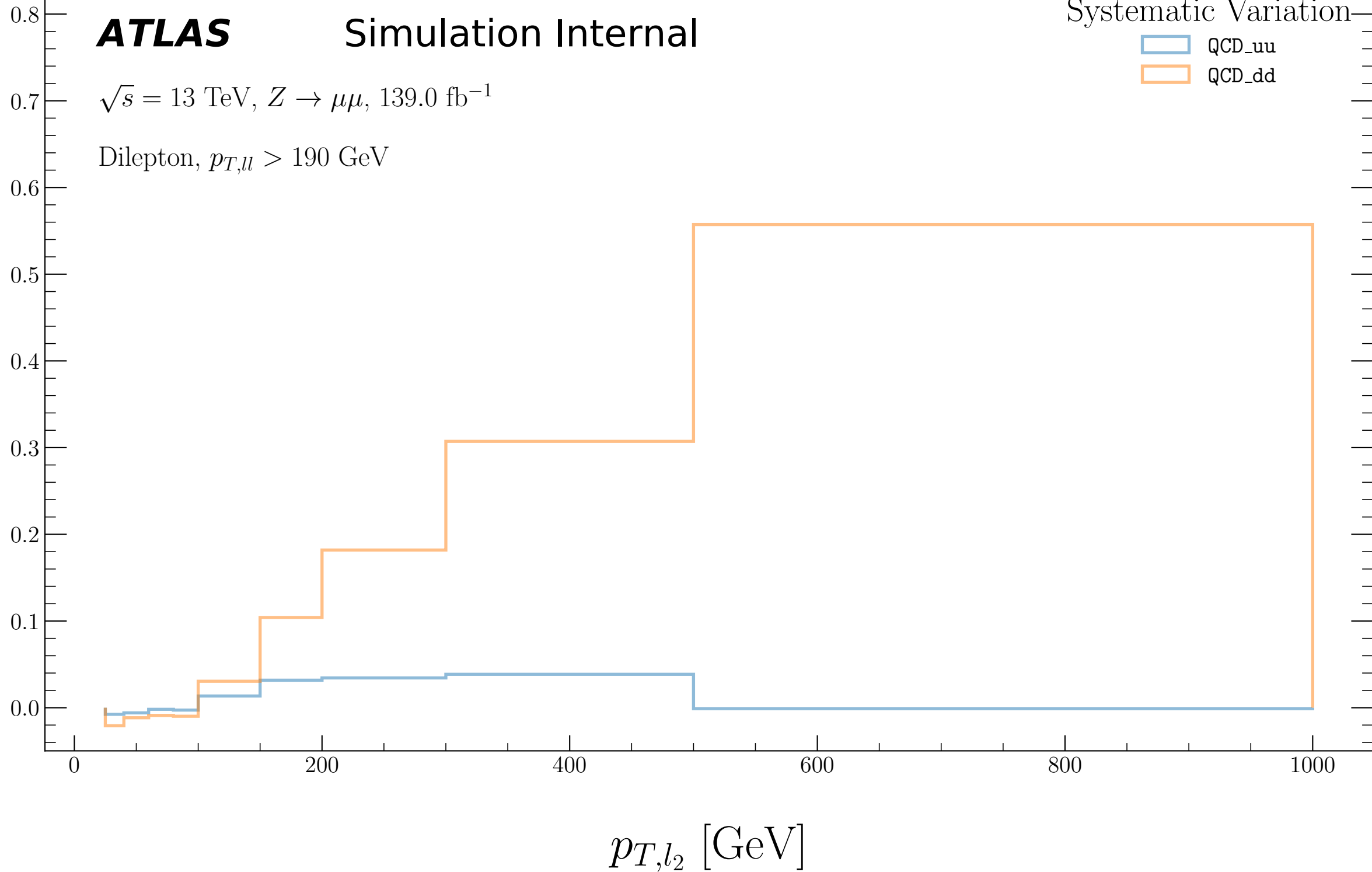
Simulation Internal

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

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

Systematic Variation

QCD_uu
QCD_dd

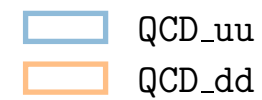
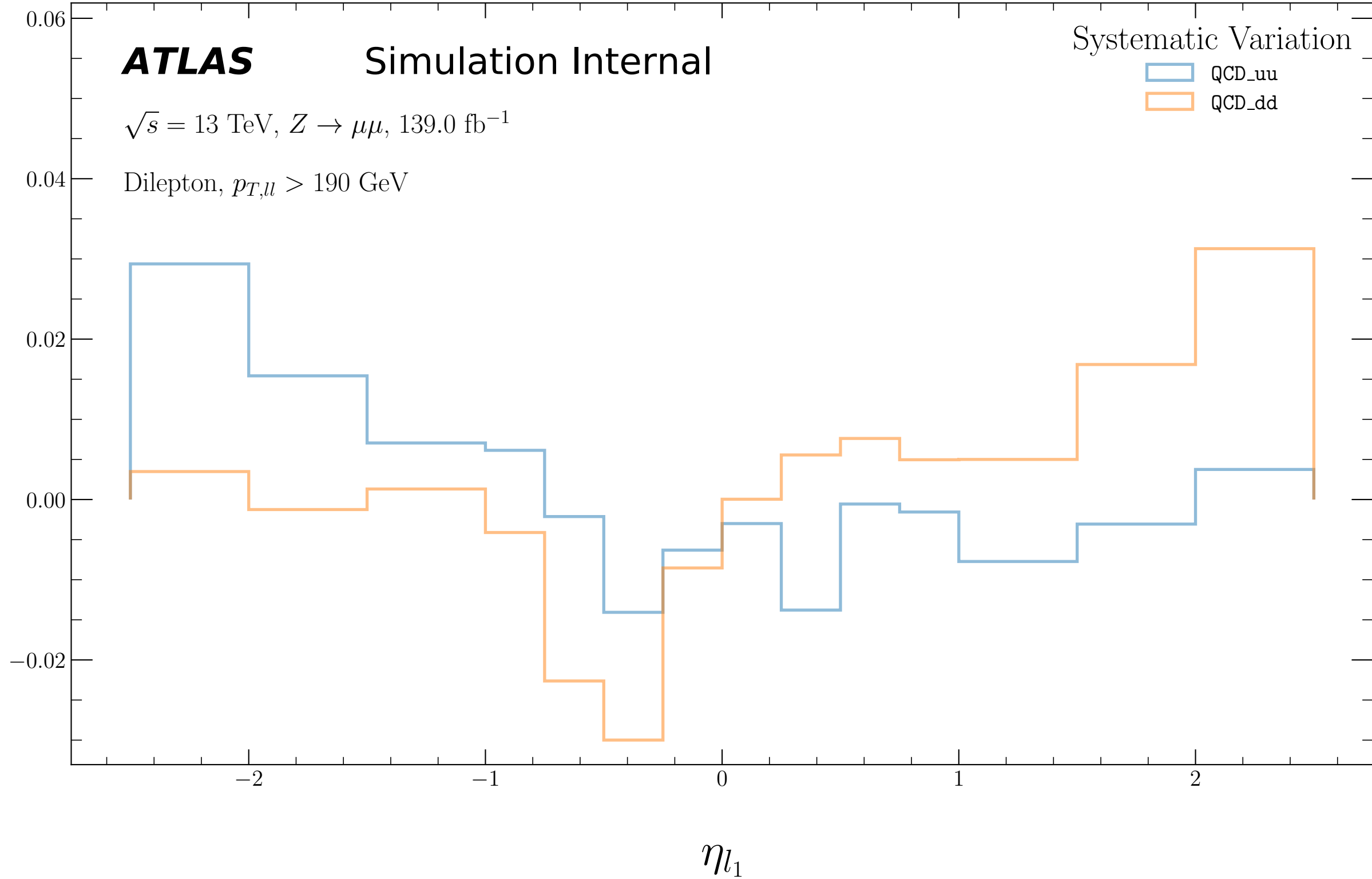


ATLAS

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

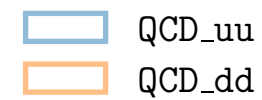
QCD_uu
QCD_dd

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

QCD_uu
QCD_dd0.03
0.02
0.01
0.00
-0.01

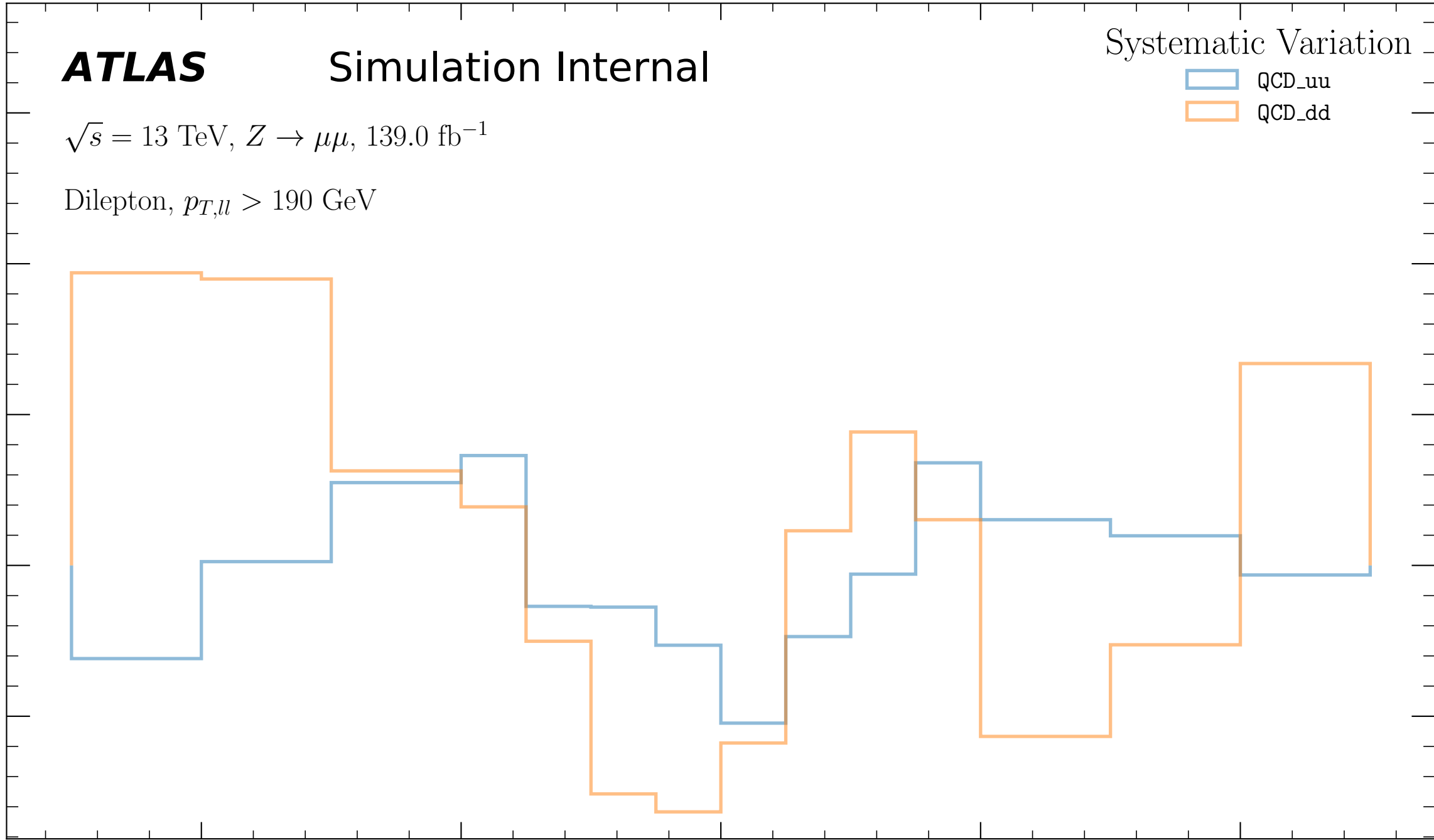
-2

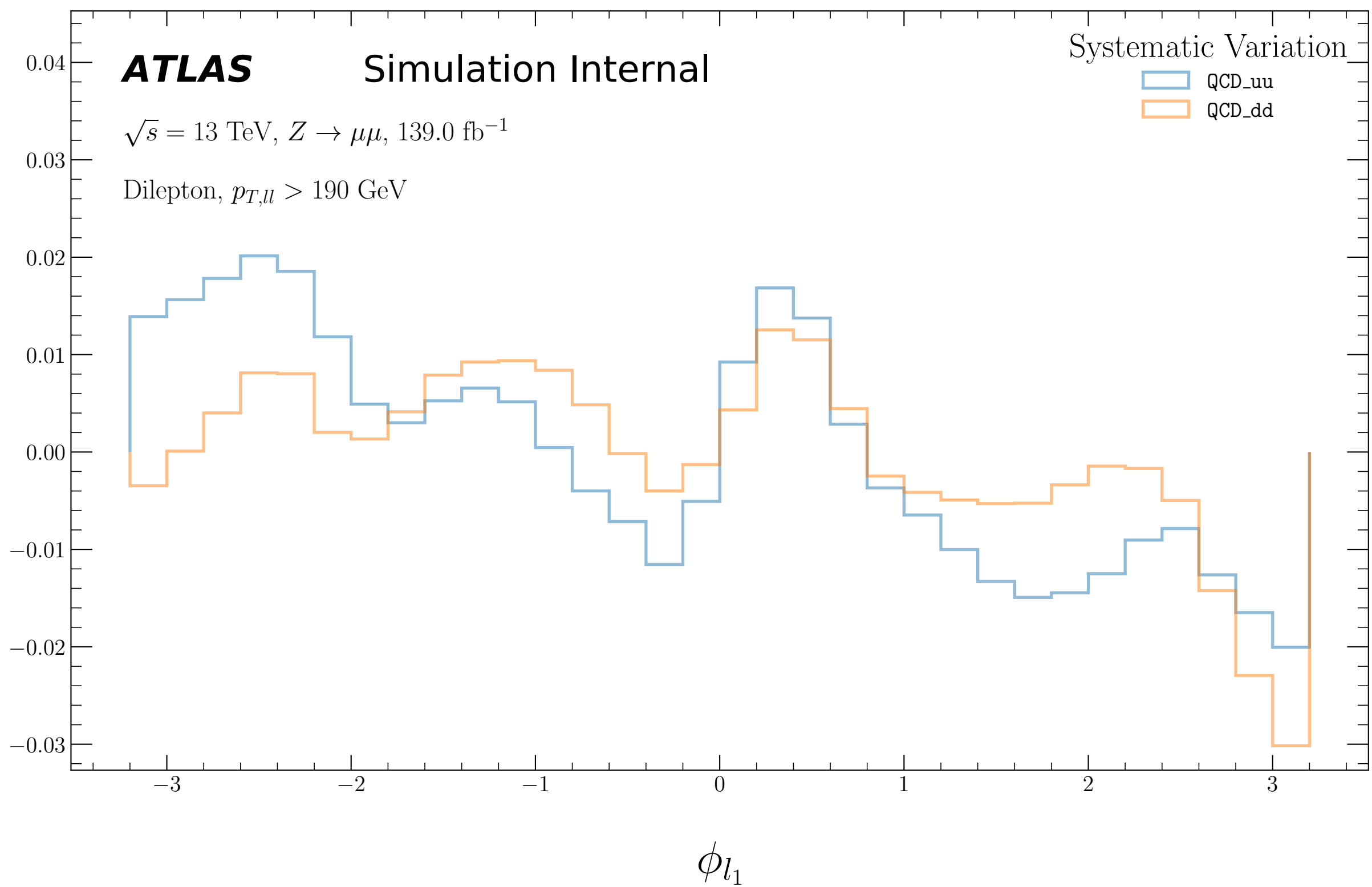
-1

0

1

2

 η_{l_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

QCD_uu
QCD_dd