

ATLAS

Simulation Internal

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

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

Systematic Variation

syst_ID_Up

syst_ID_Down

sys_MS_Up

syst_MS_Down

syst_MSResbias_Up

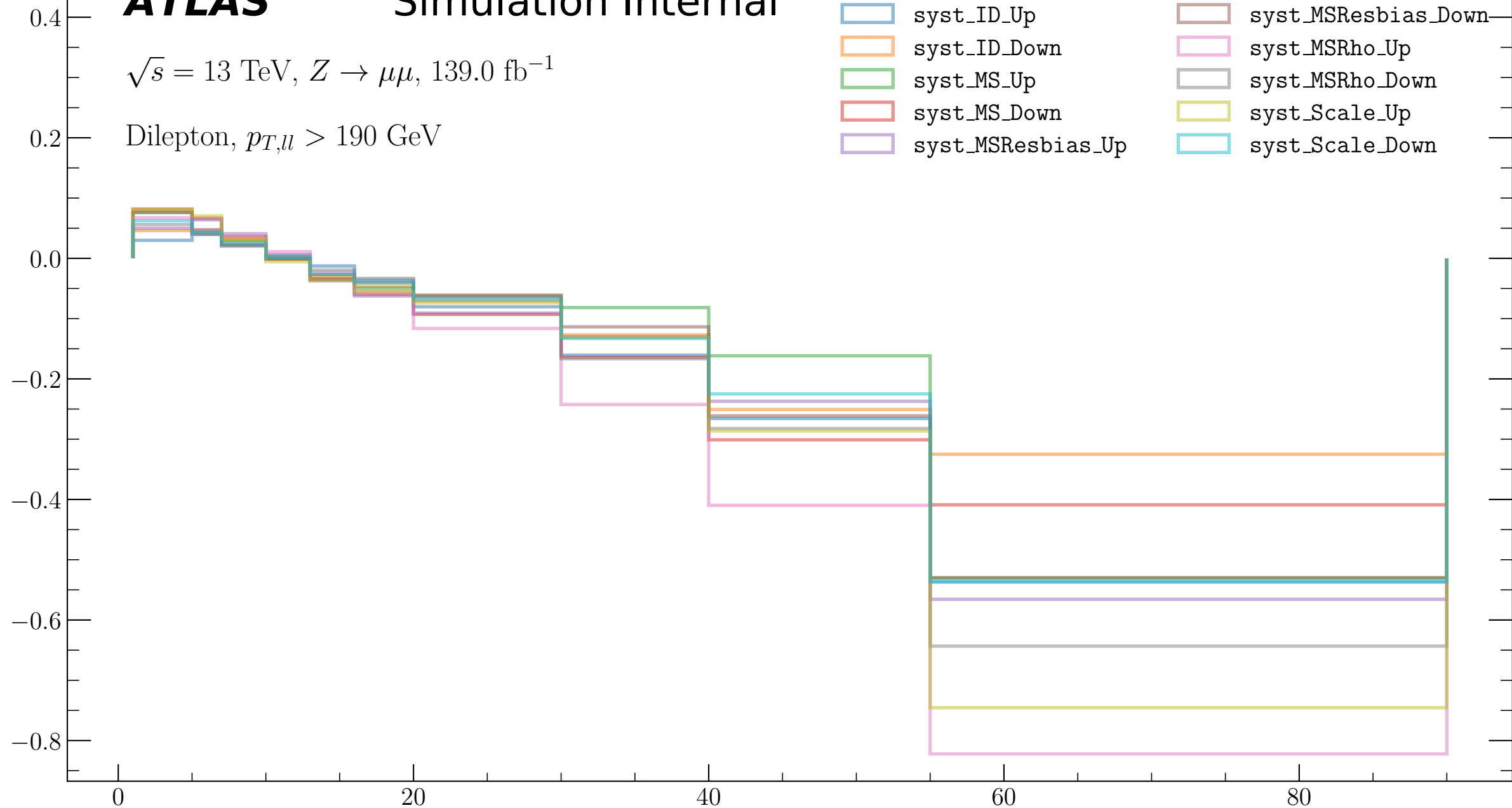
syst_MSResbias_Down-

syst_MSRho_Up

syst_MSRho_Down

syst_Scale_Up

syst_Scale_Down


$$N_{j_1}$$

Relative Systematic Effect (MultiFold)


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Systematic Variation

 `sys_ID_Up`

☐ syst_ID_Down


 `sys_MS_Up`


☐ syst_MS_Down

 syst_MSResbias_Up

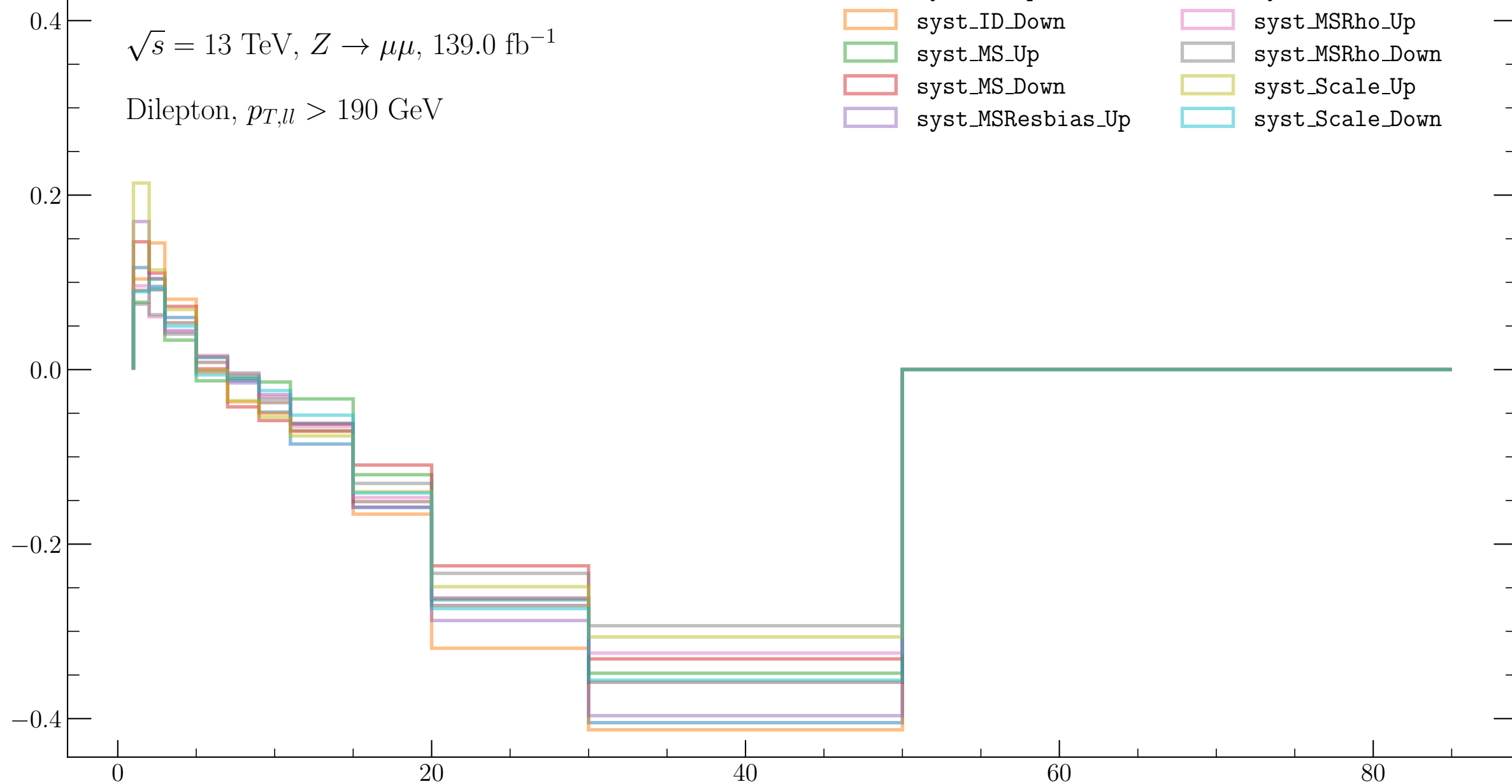
☐ `sys_MSRbias_Down`

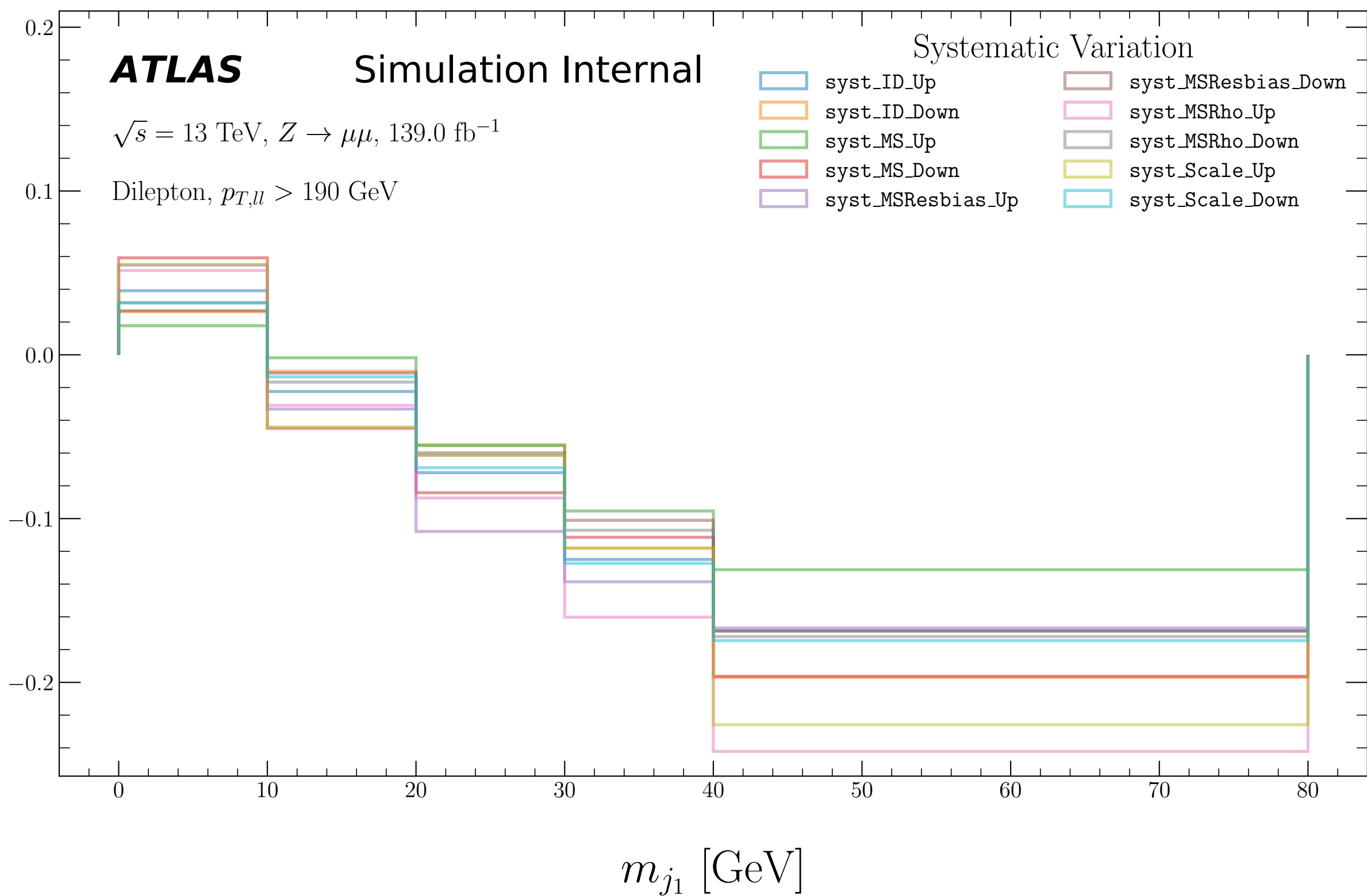
☐ `sys_MSRho_Up`

 syst_MSRho_Down

 syst_Scale_Up

☐ syst_Scale_Down


$$N_{j_2}$$



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☐ `sys_ID_Up`

☐ syst_ID_Down

 `sys_MS_Up`

☐ syst_MS_Down

 syst_MSResbias_Up

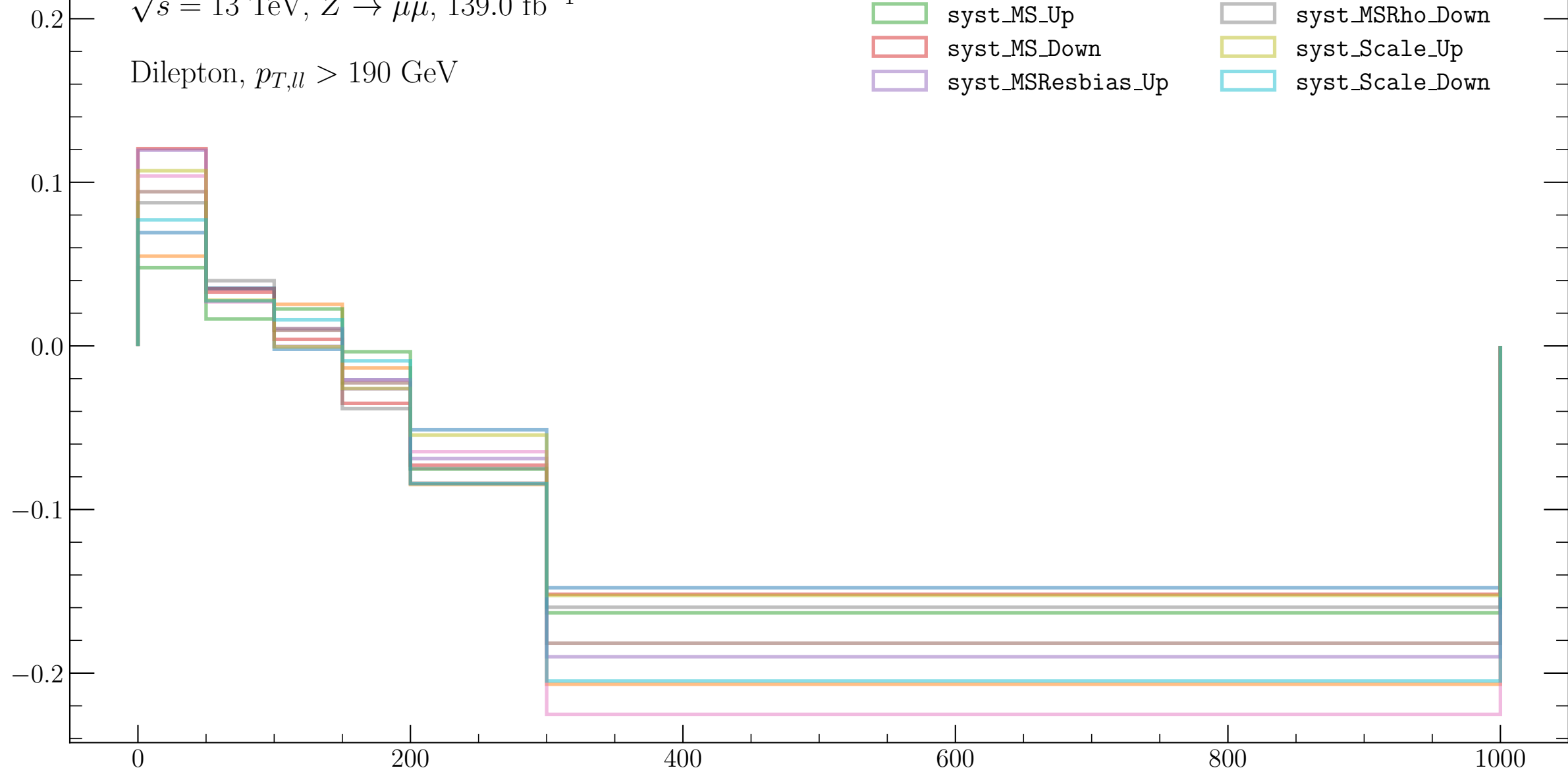
☐ `sys_MSRResbias_Down`

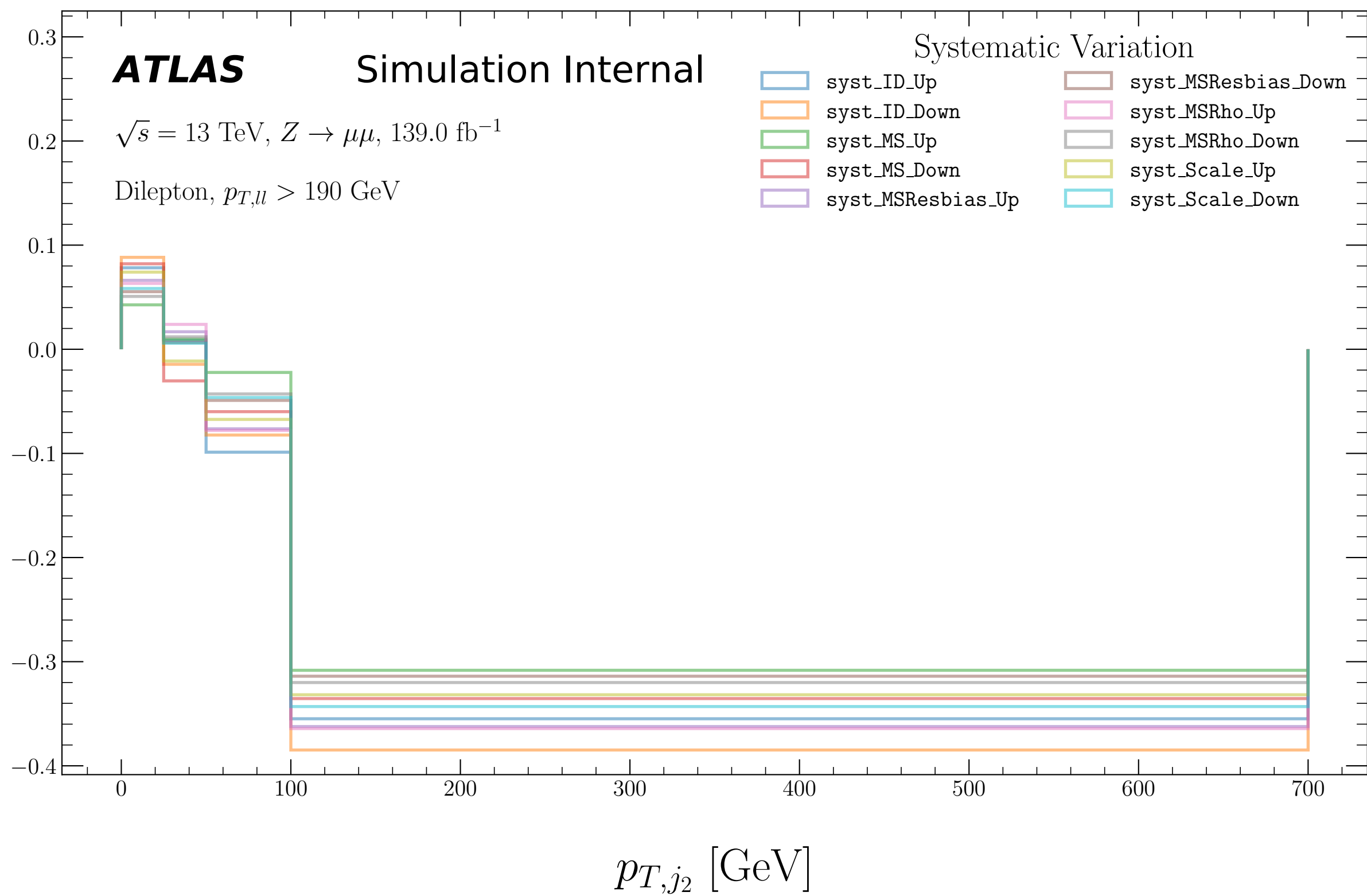
☐ syst_MSRho_Up

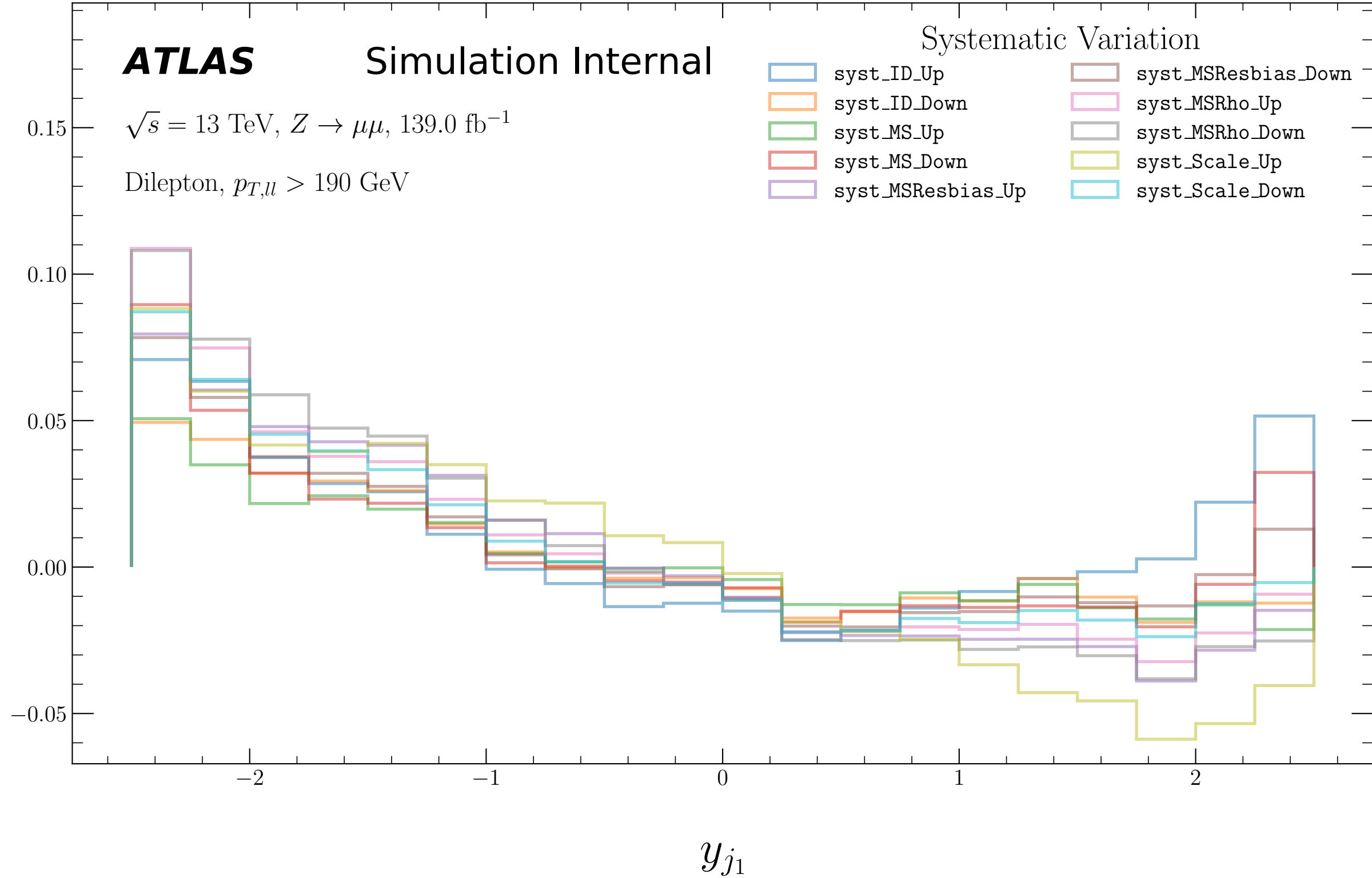
☐ syst_MSRho_Down

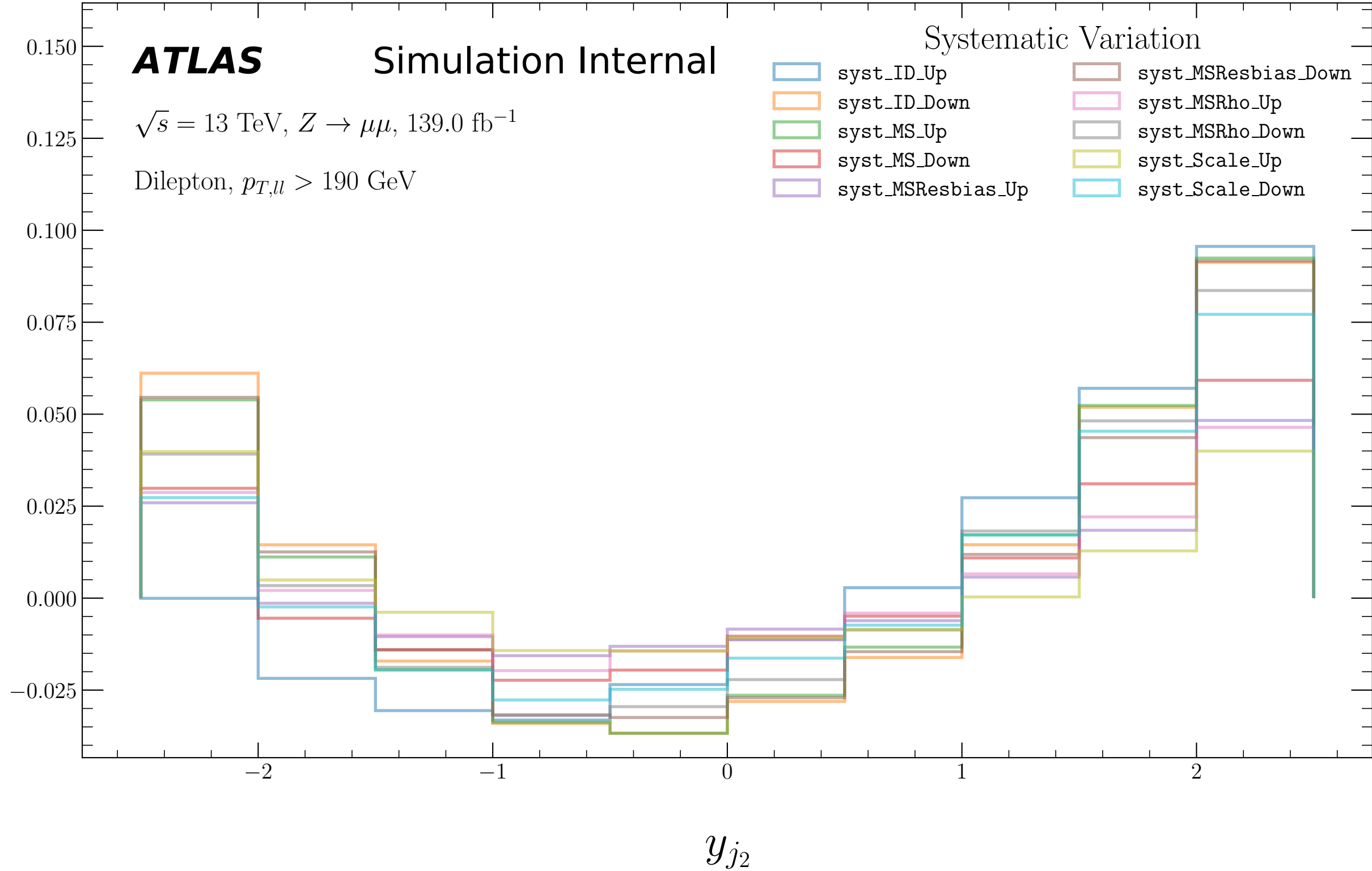
☐ syst_Scale_Up

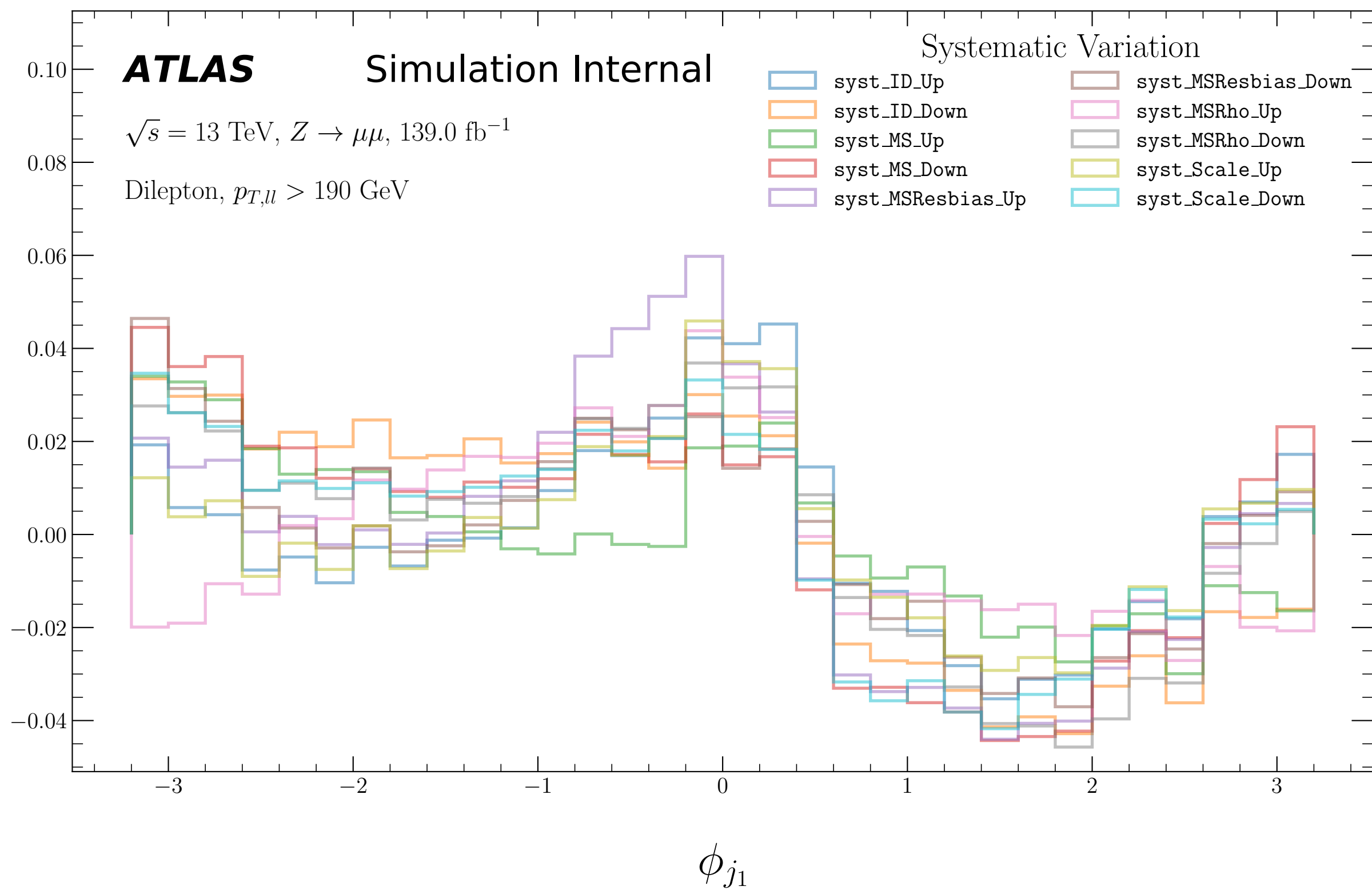
☐ syst_Scale_Down

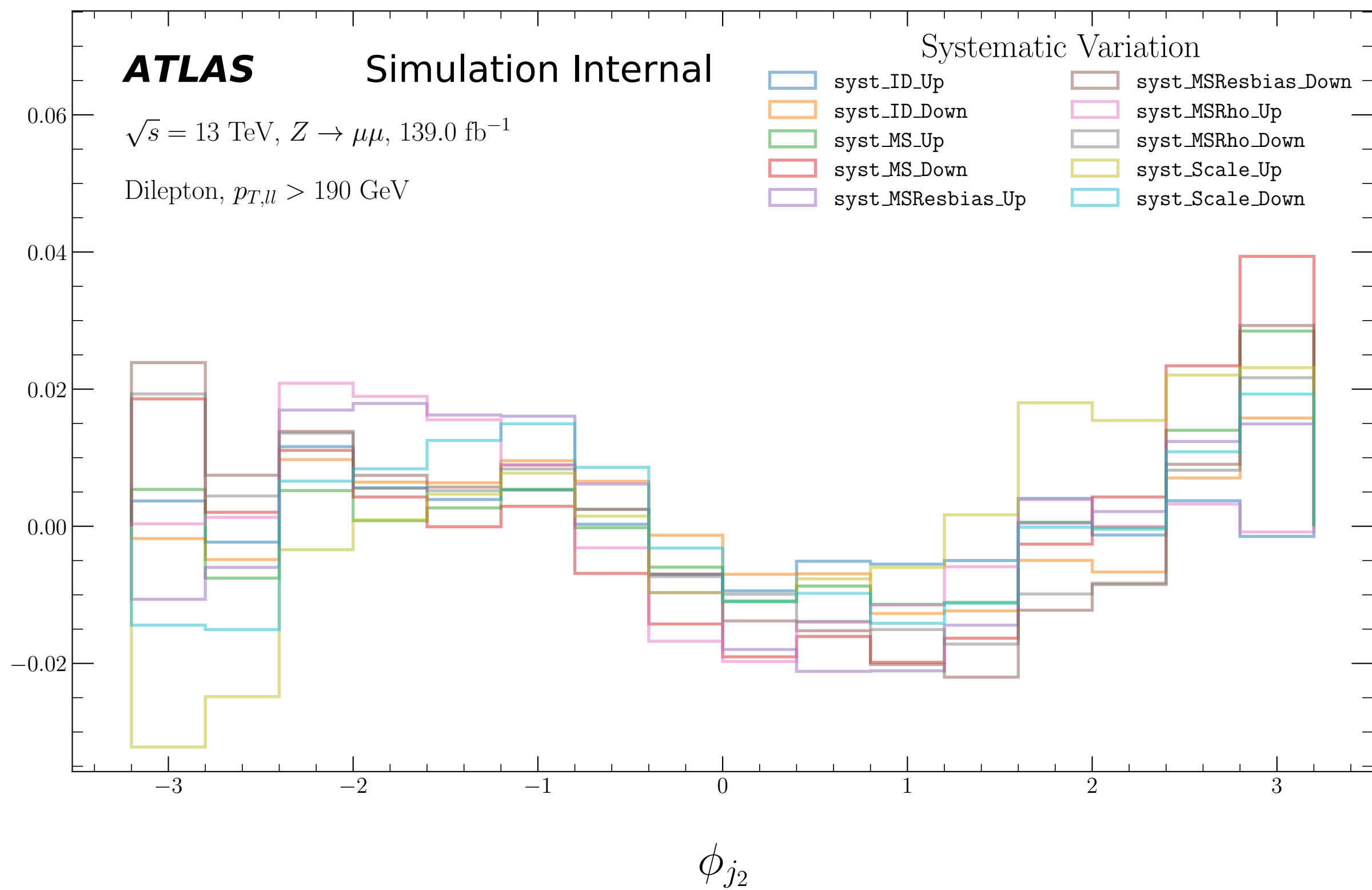
 $p_{T,j_1} \text{ [GeV]}$









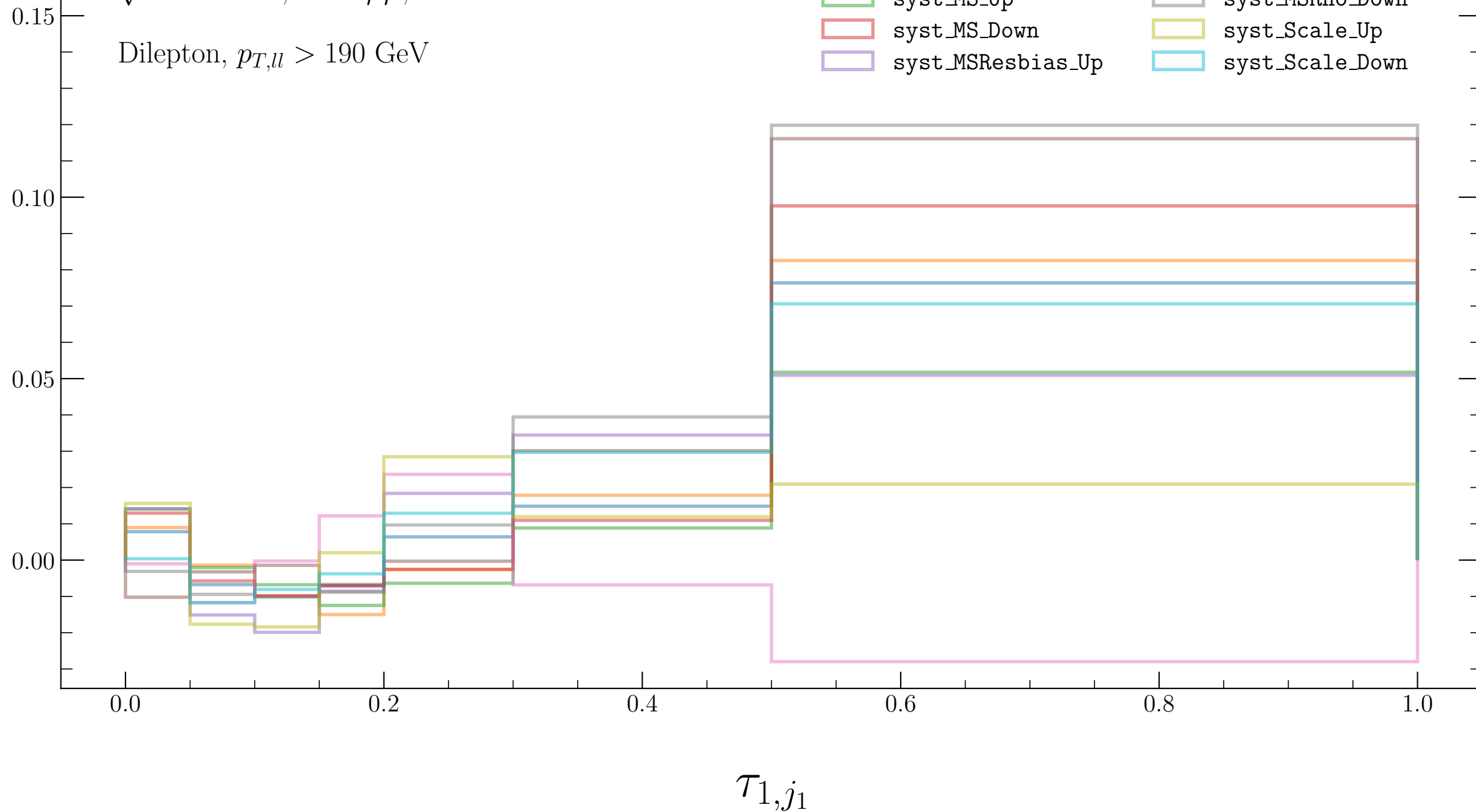


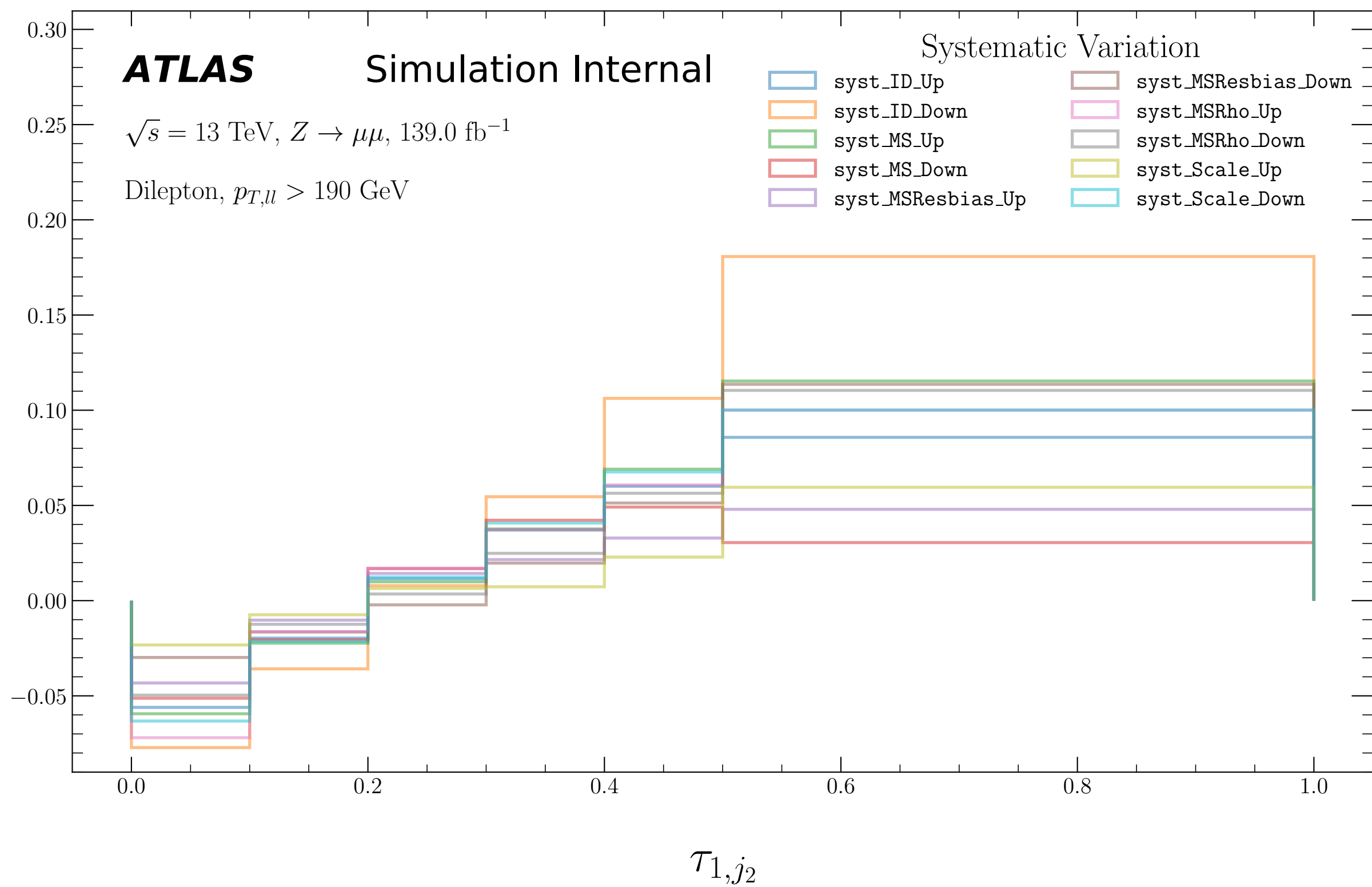
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Systematic Variation



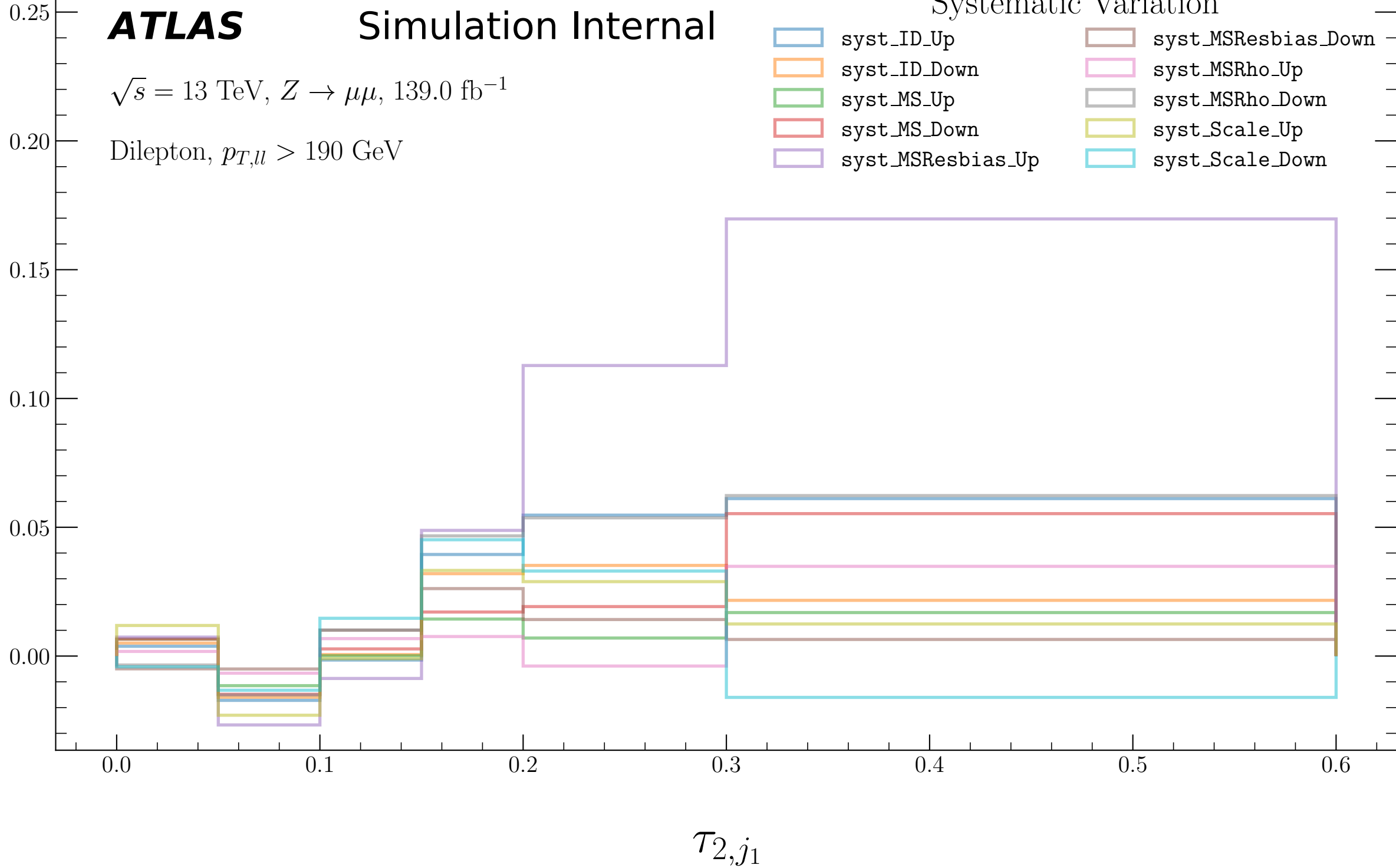


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 $\sqrt{s} = 13 \text{ TeV}, Z \rightarrow \mu\mu, 139.0 \text{ fb}^{-1}$ Dilepton, $p_{T,l} > 190 \text{ GeV}$

Systematic Variation

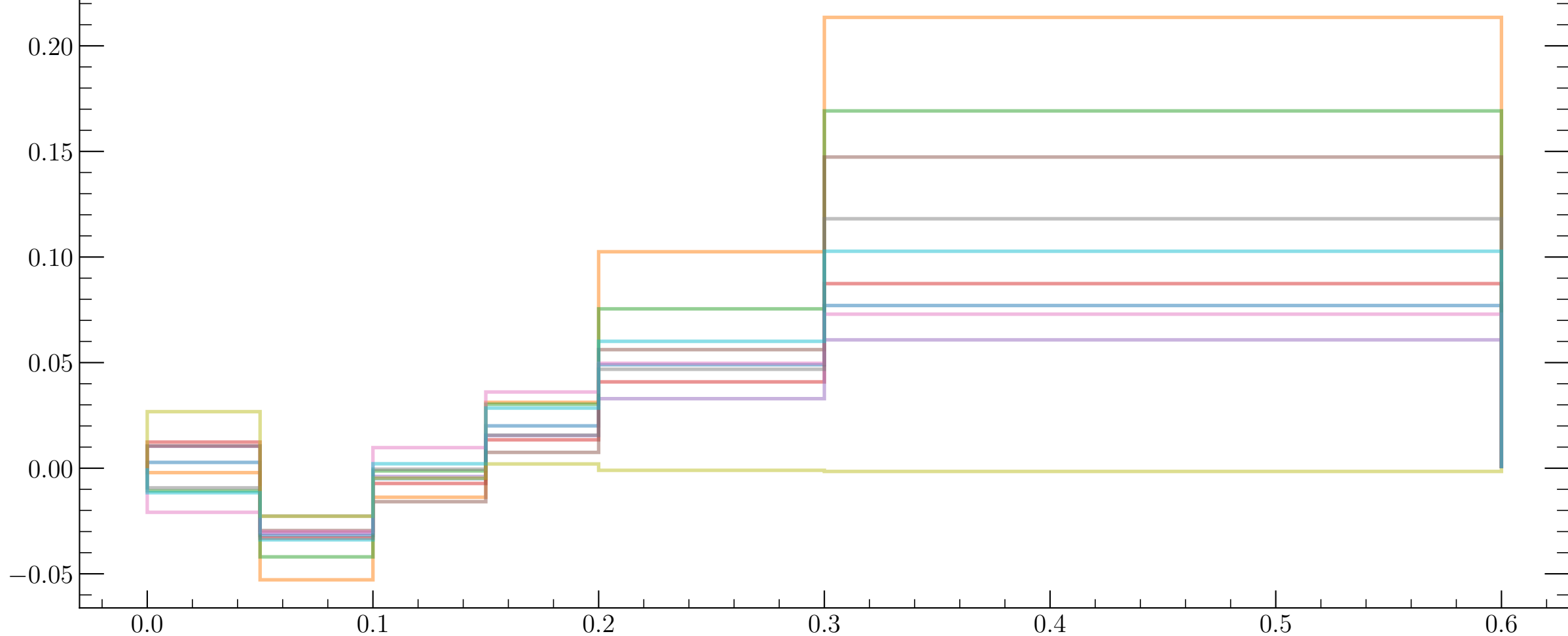


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Systematic Variation

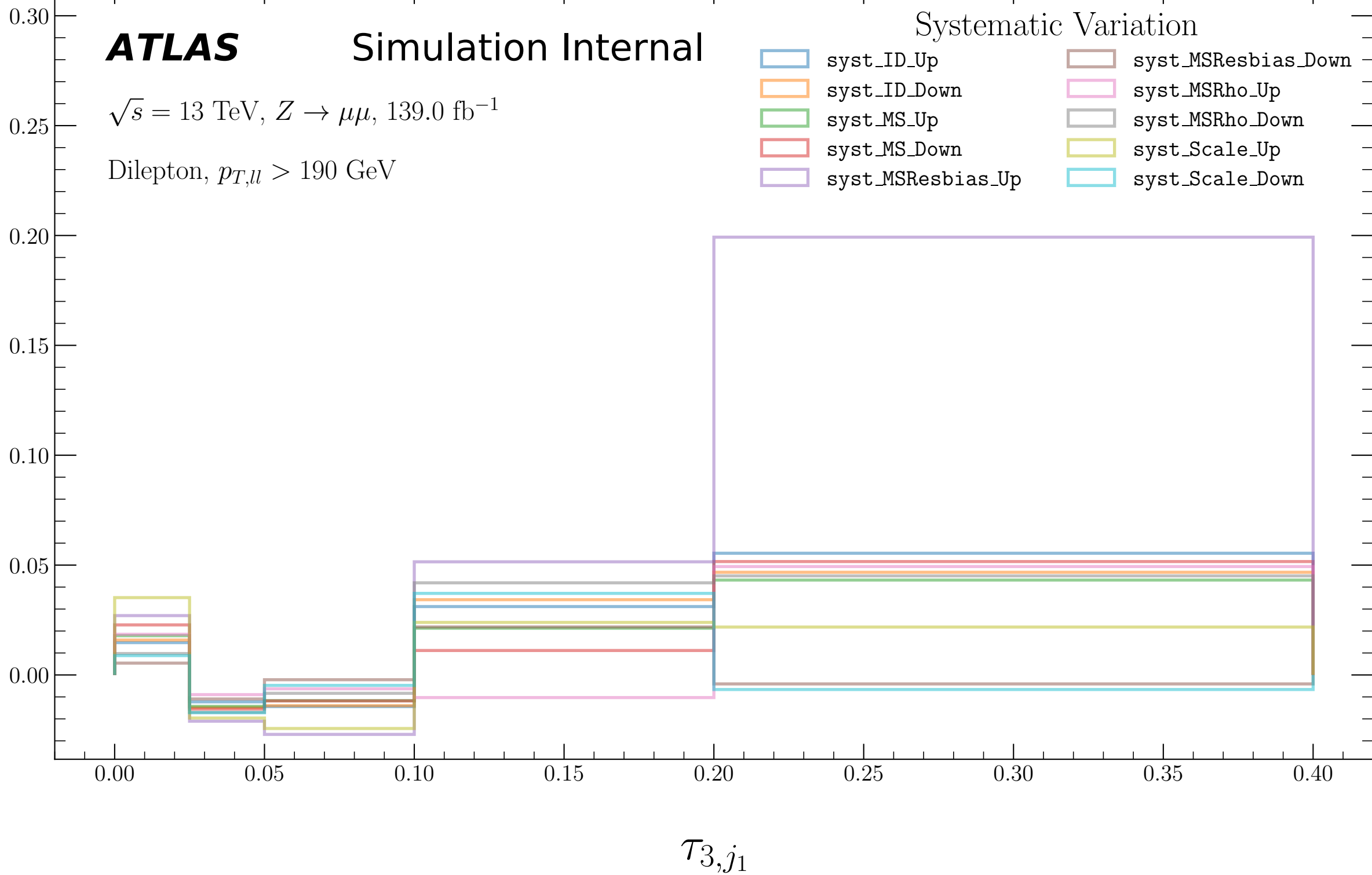
 τ_{2,j_2}

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Systematic Variation



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 syst_ID_Down

☐ `sys_MS_Up`

☐ syst_MS_Down

☐ `sys_MSRsbias_Up`

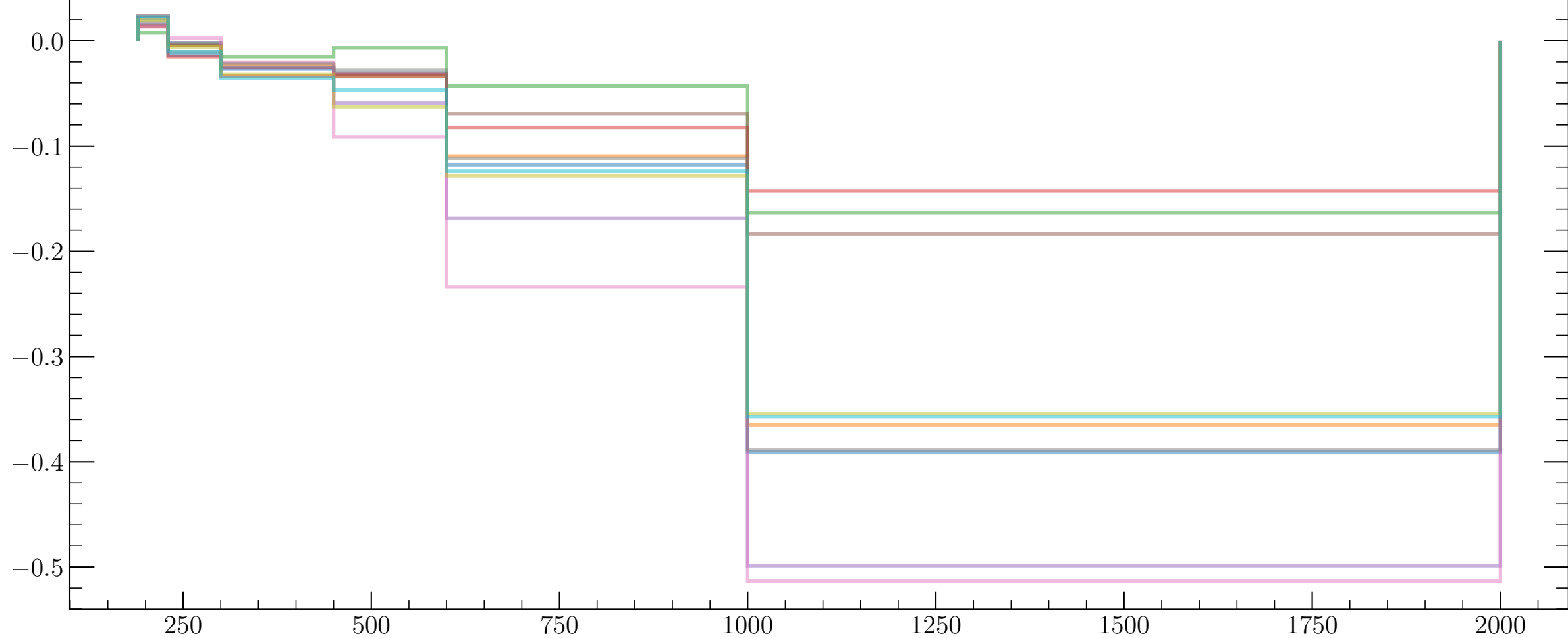
☐ syst_MSResbias_Down

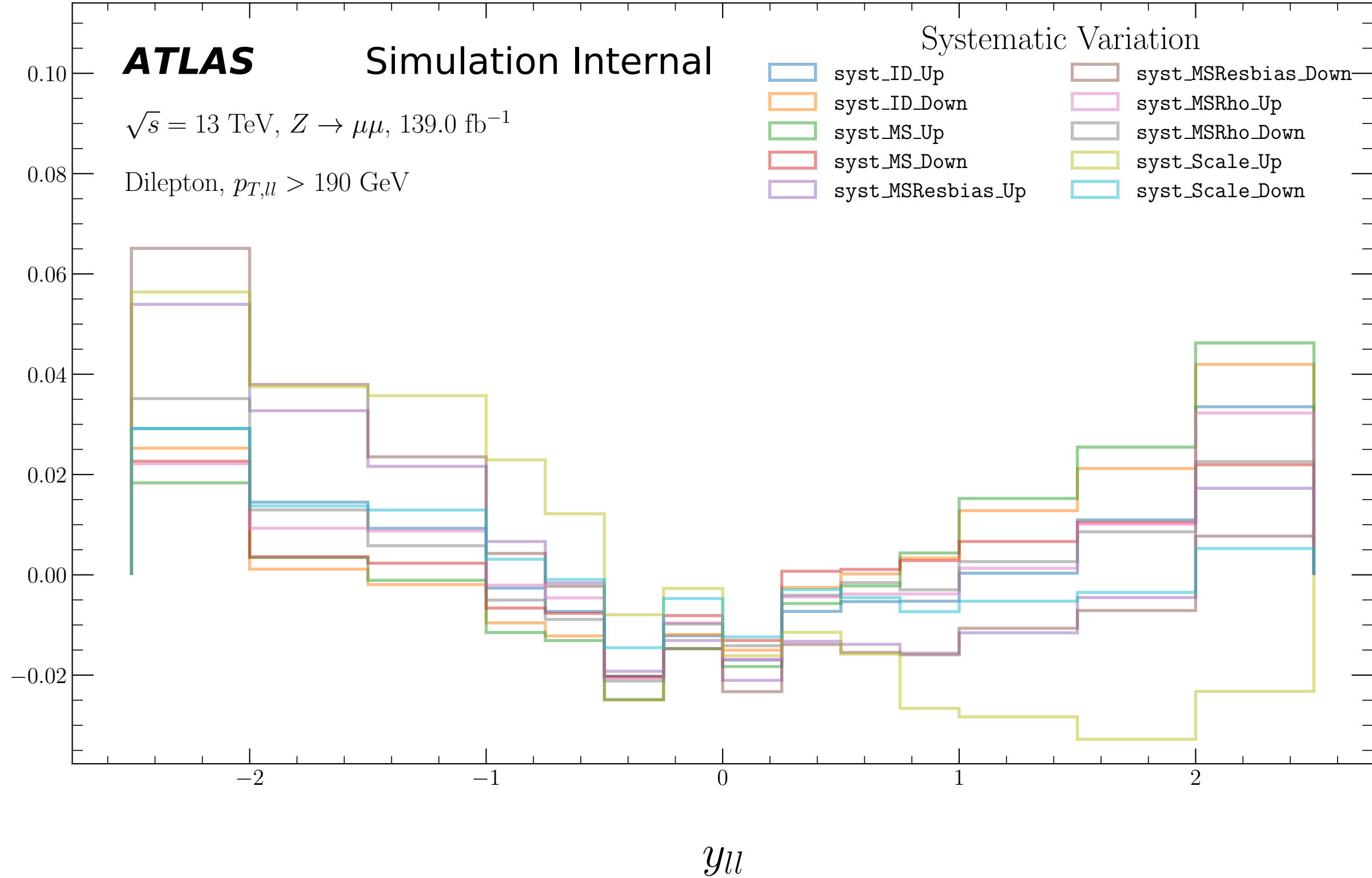
☐ syst_MSRho_Up

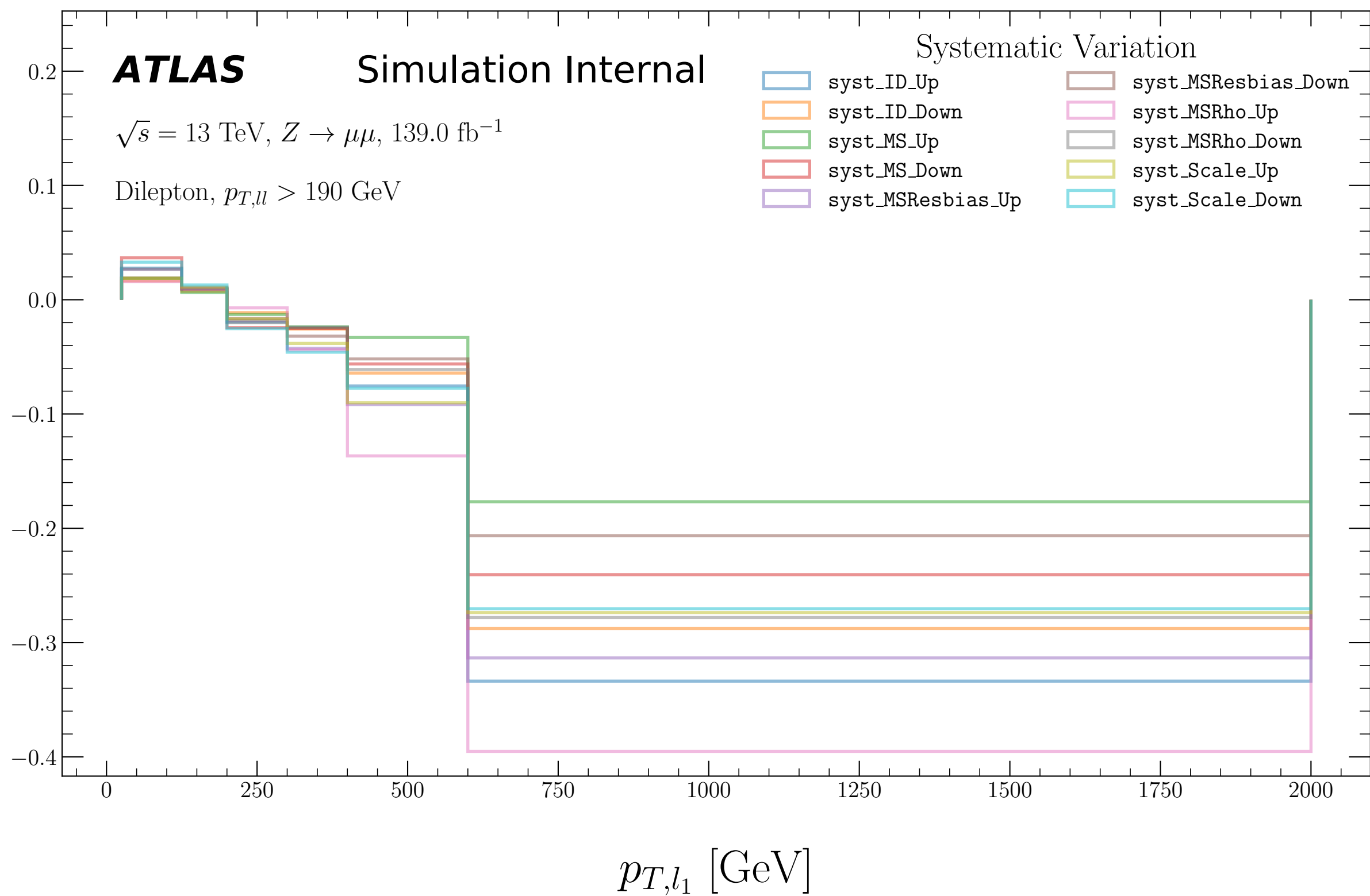
☐ syst_MSRho_Down

 syst_Scale_Up

☐ syst_Scale_Down







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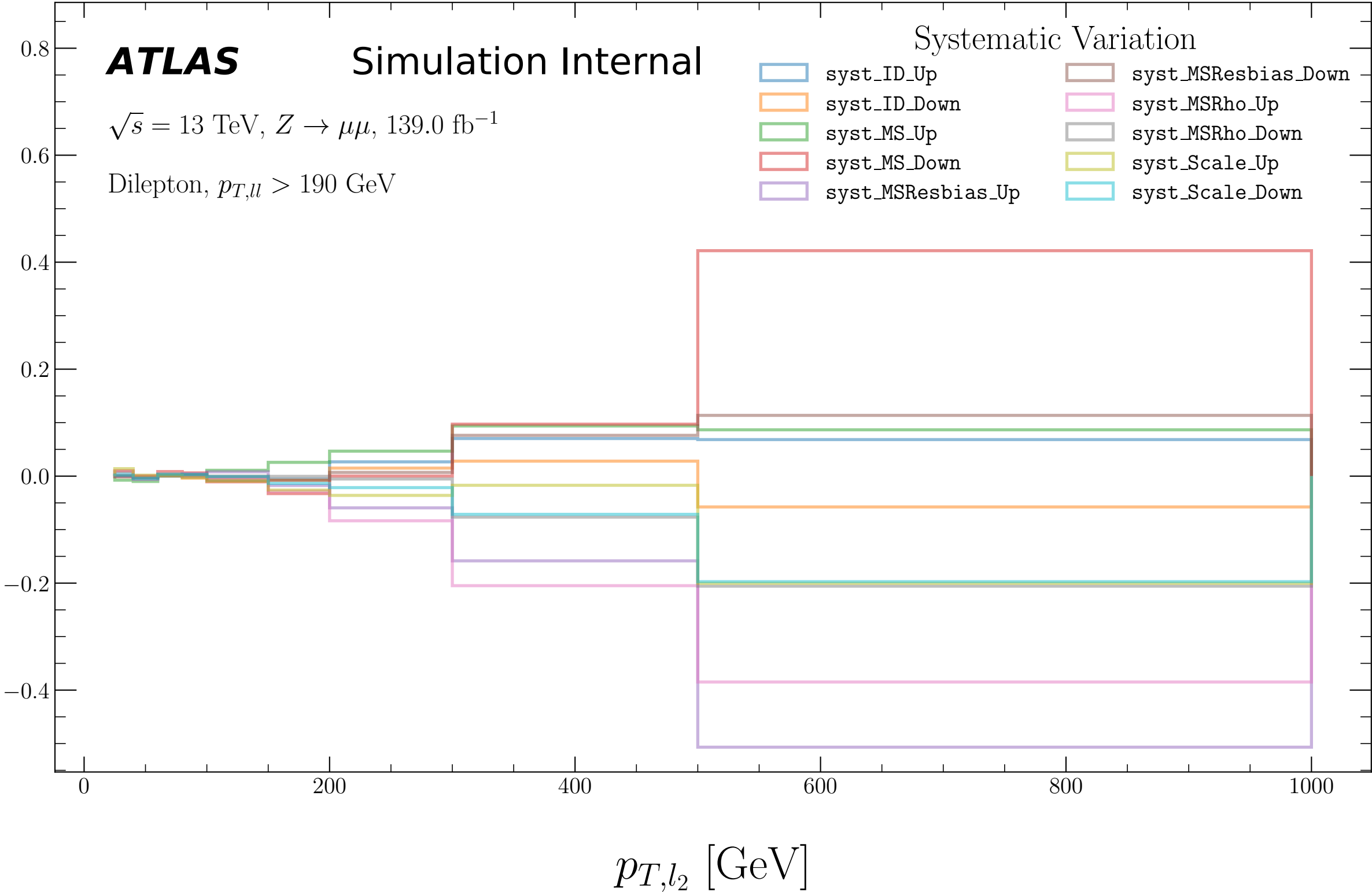
Simulation Internal

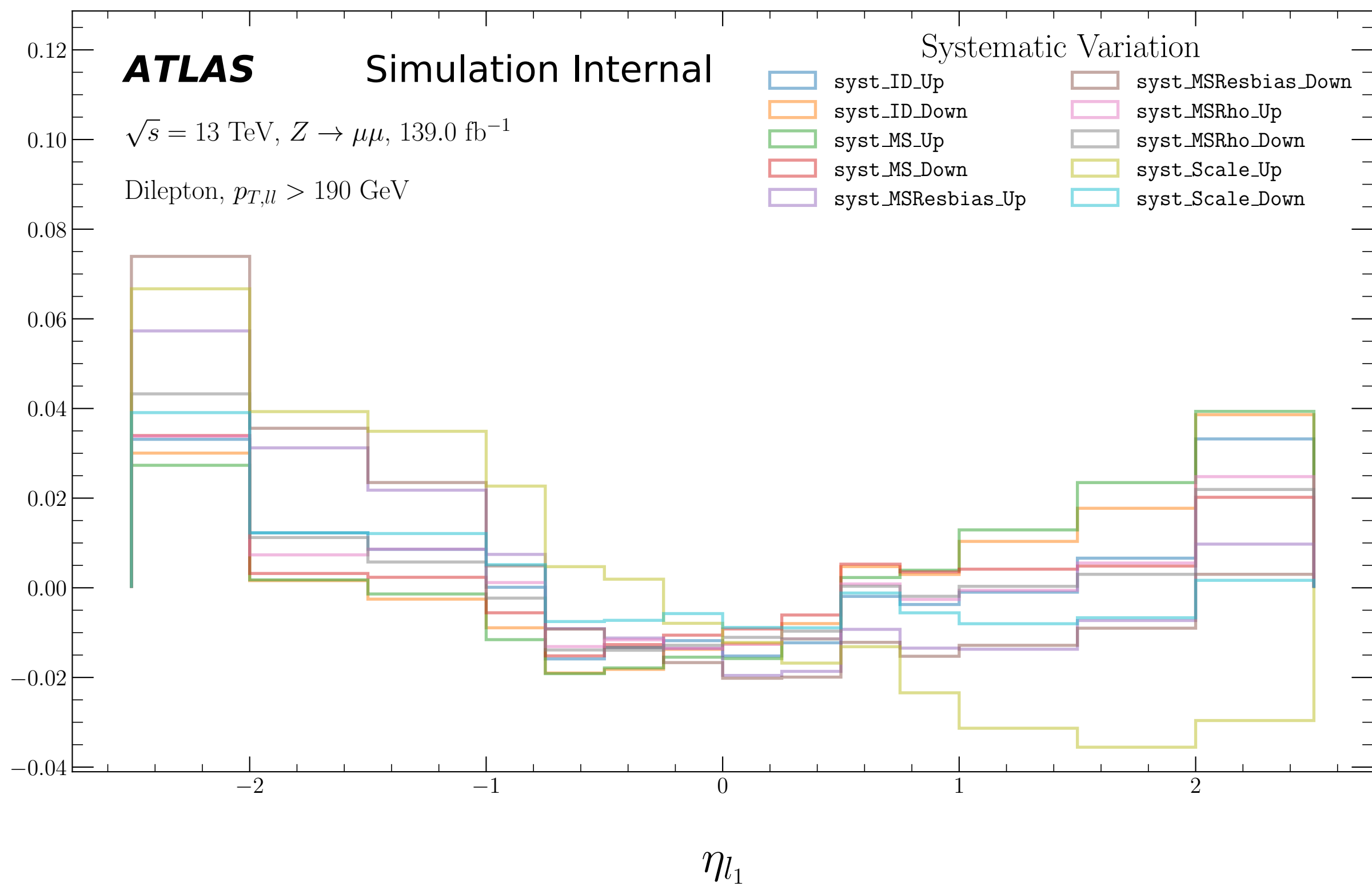
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Systematic Variation

- | | |
|---|---|
| ▭ syst_ID_Up | ▭ syst_MSResbias_Down |
| ▭ syst_ID_Down | ▭ syst_MS_rho_Up |
| ▭ syst_MS_Up | ▭ syst_MS_rho_Down |
| ▭ syst_MS_Down | ▭ syst_Scale_Up |
| ▭ syst_MSResbias_Up | ▭ syst_Scale_Down |

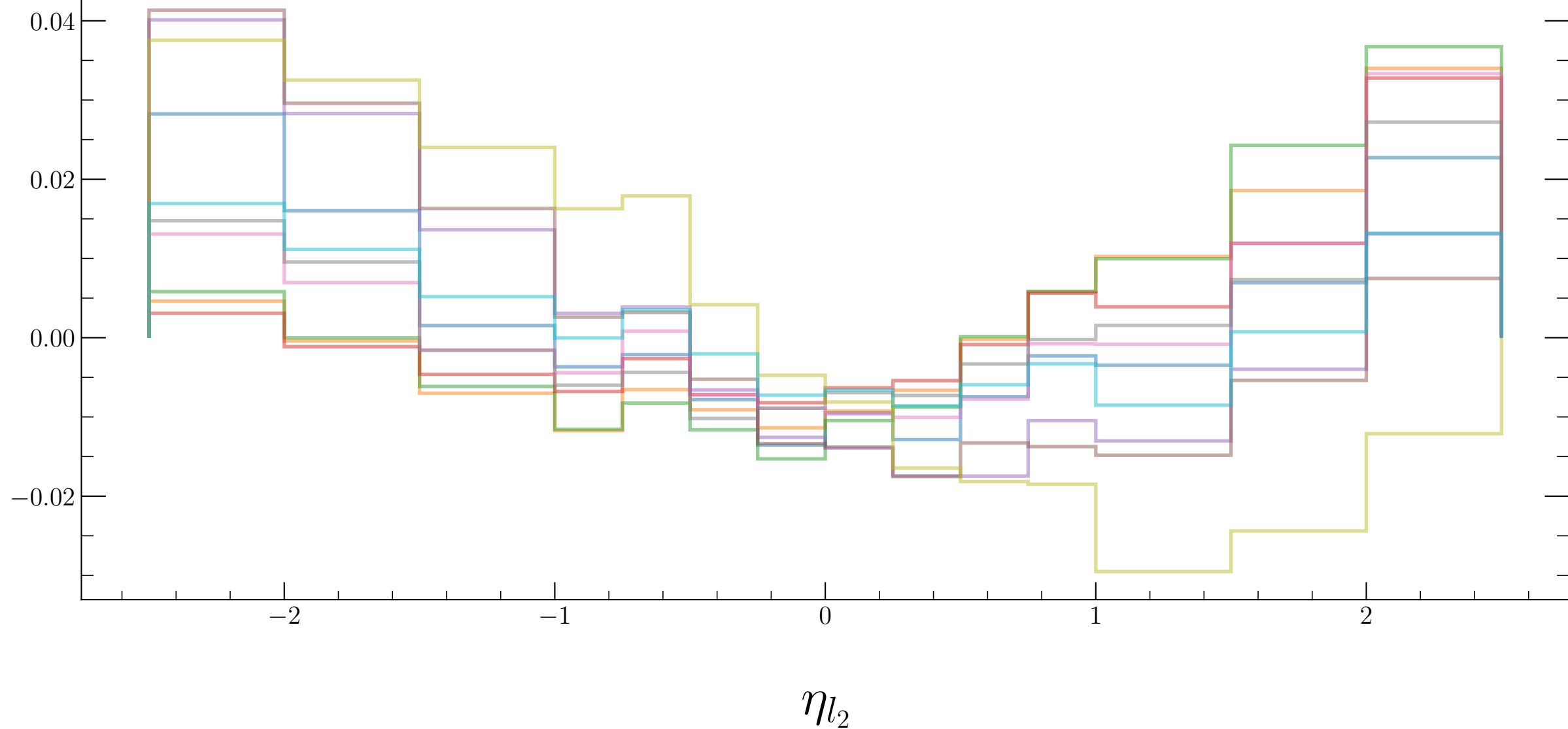




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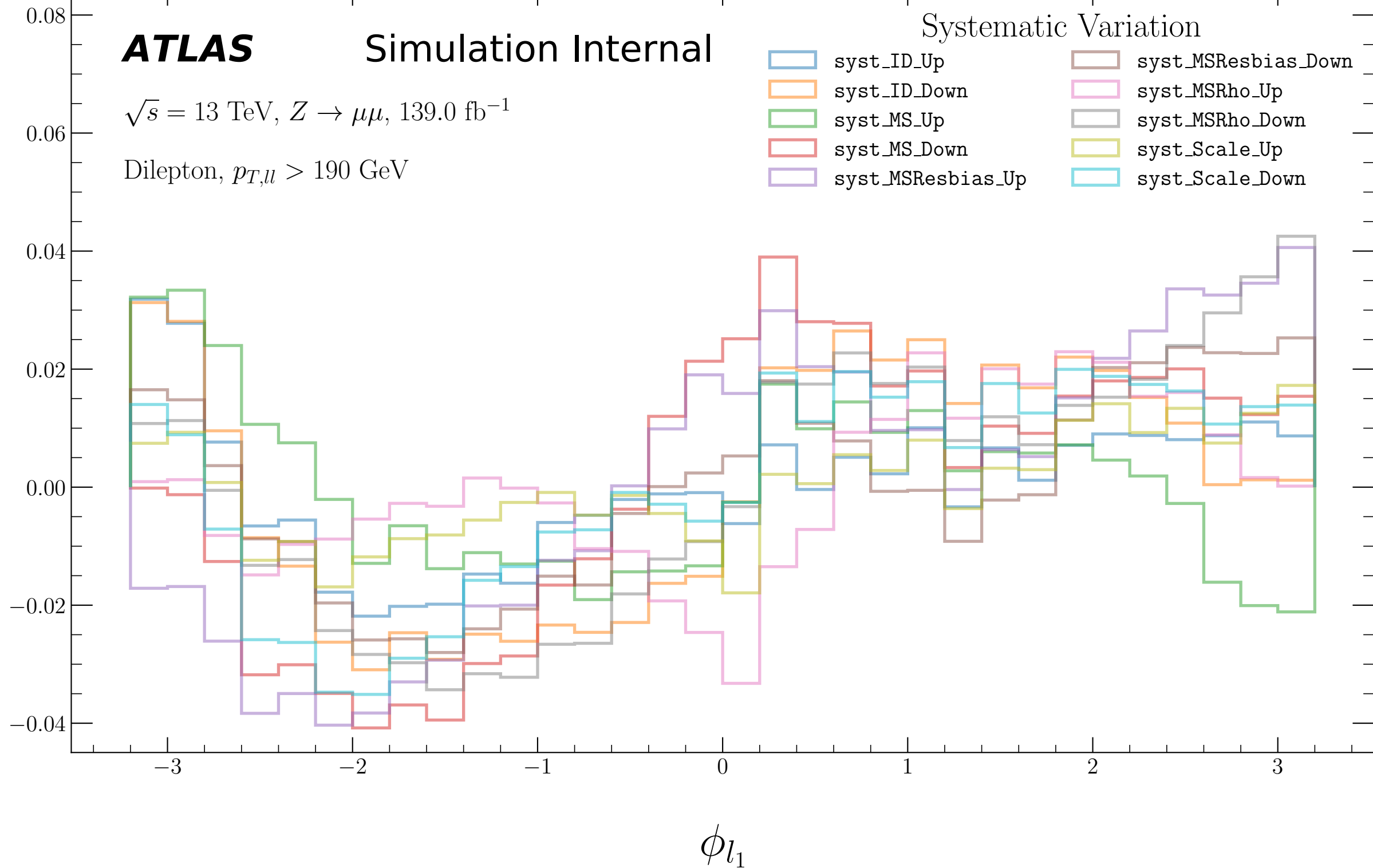
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