

Relative Systematic Effect (UniFold)

**ATLAS**

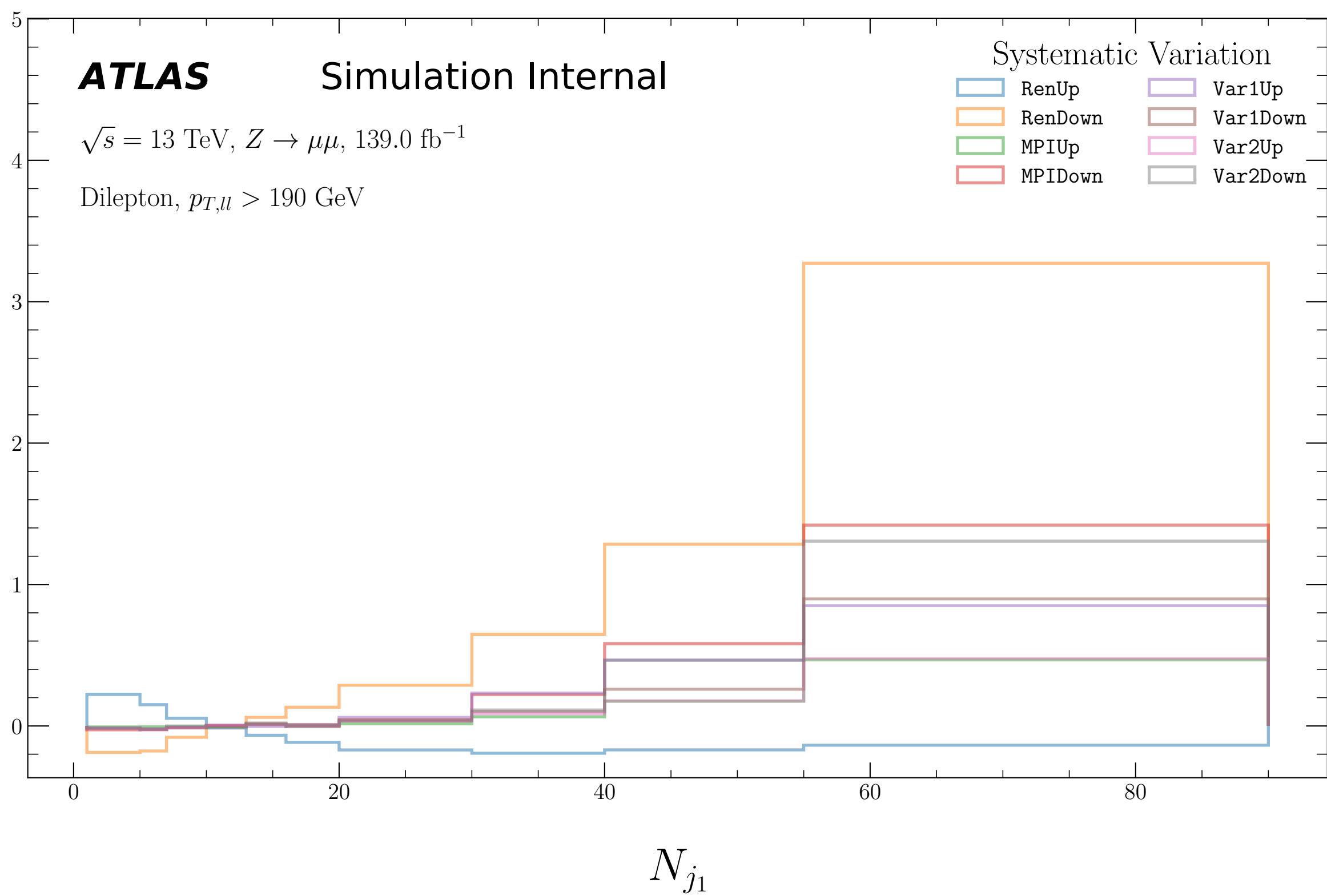
Simulation Internal

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

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

Systematic Variation

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

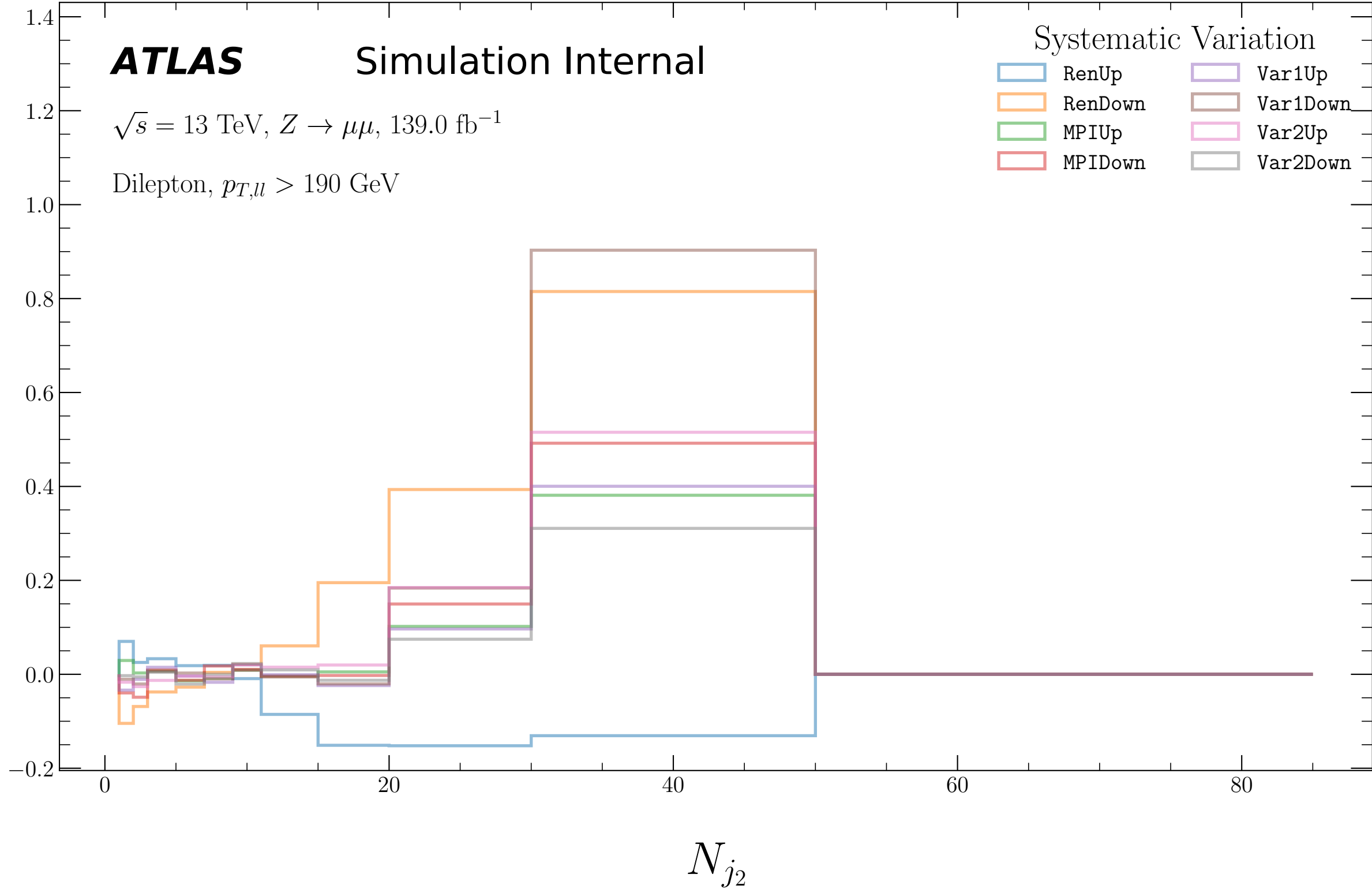


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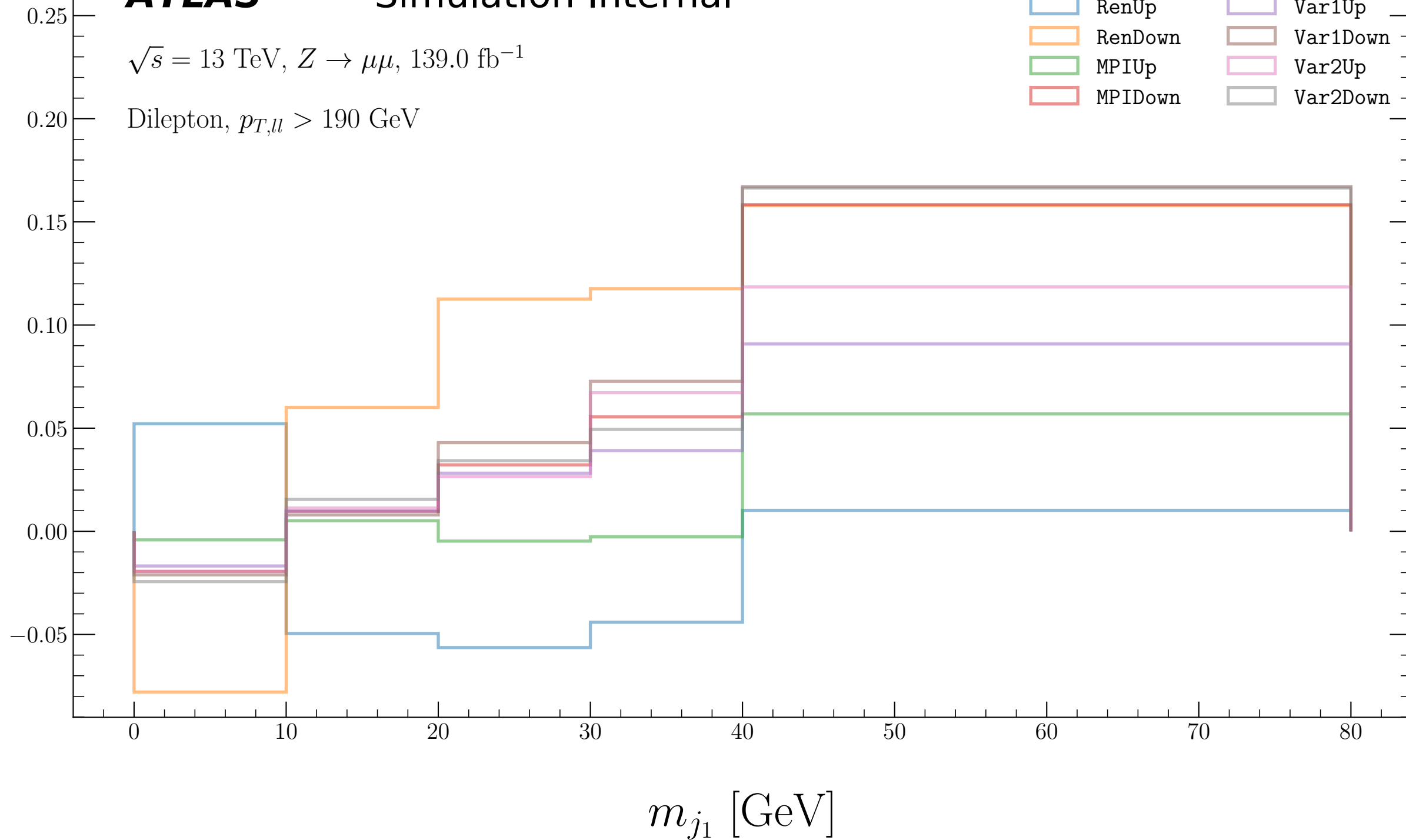
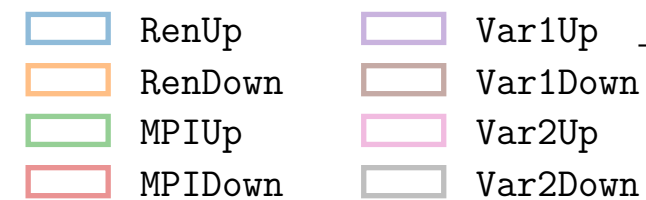


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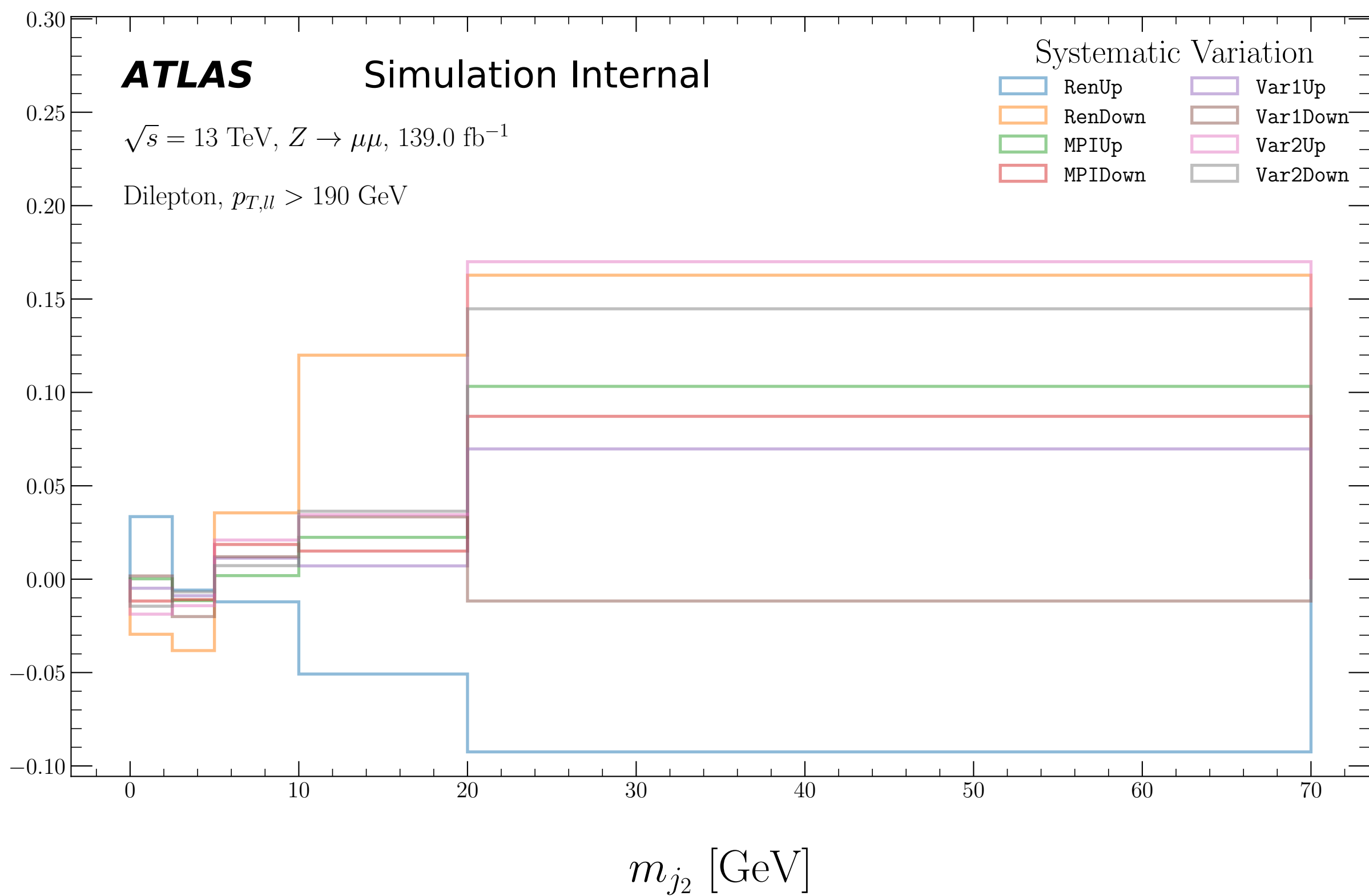
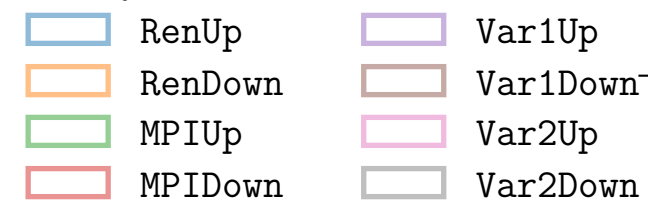
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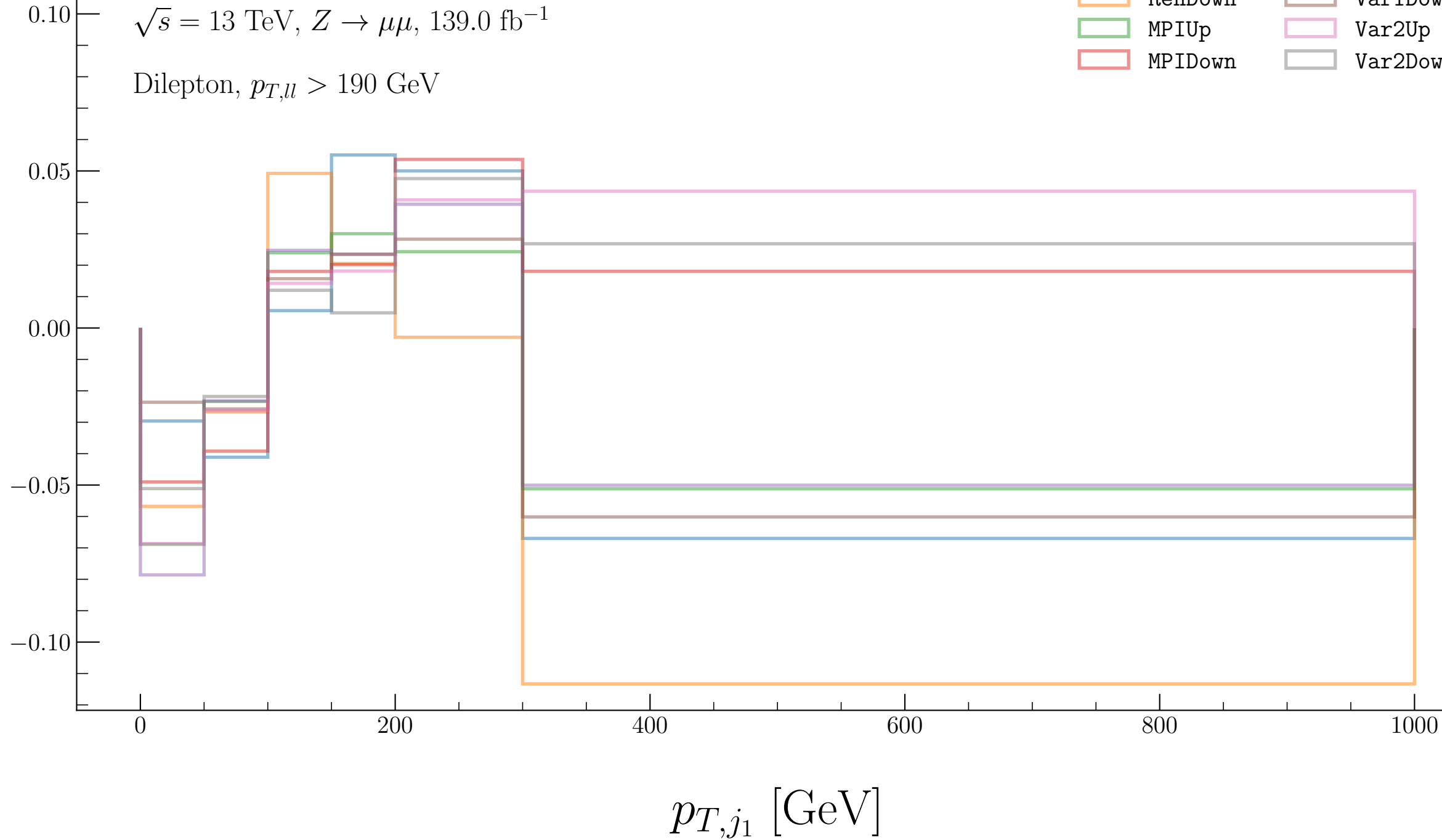


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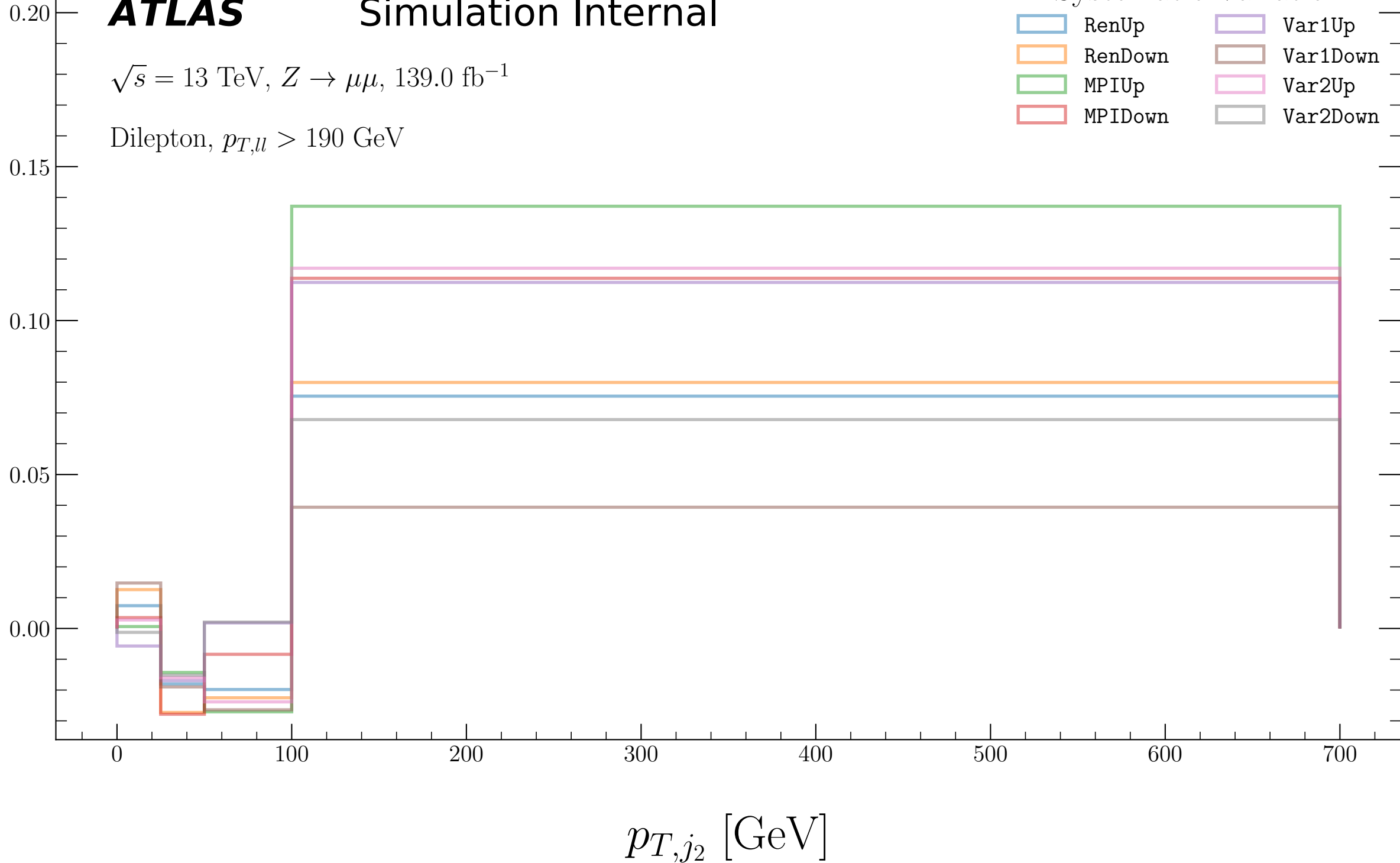
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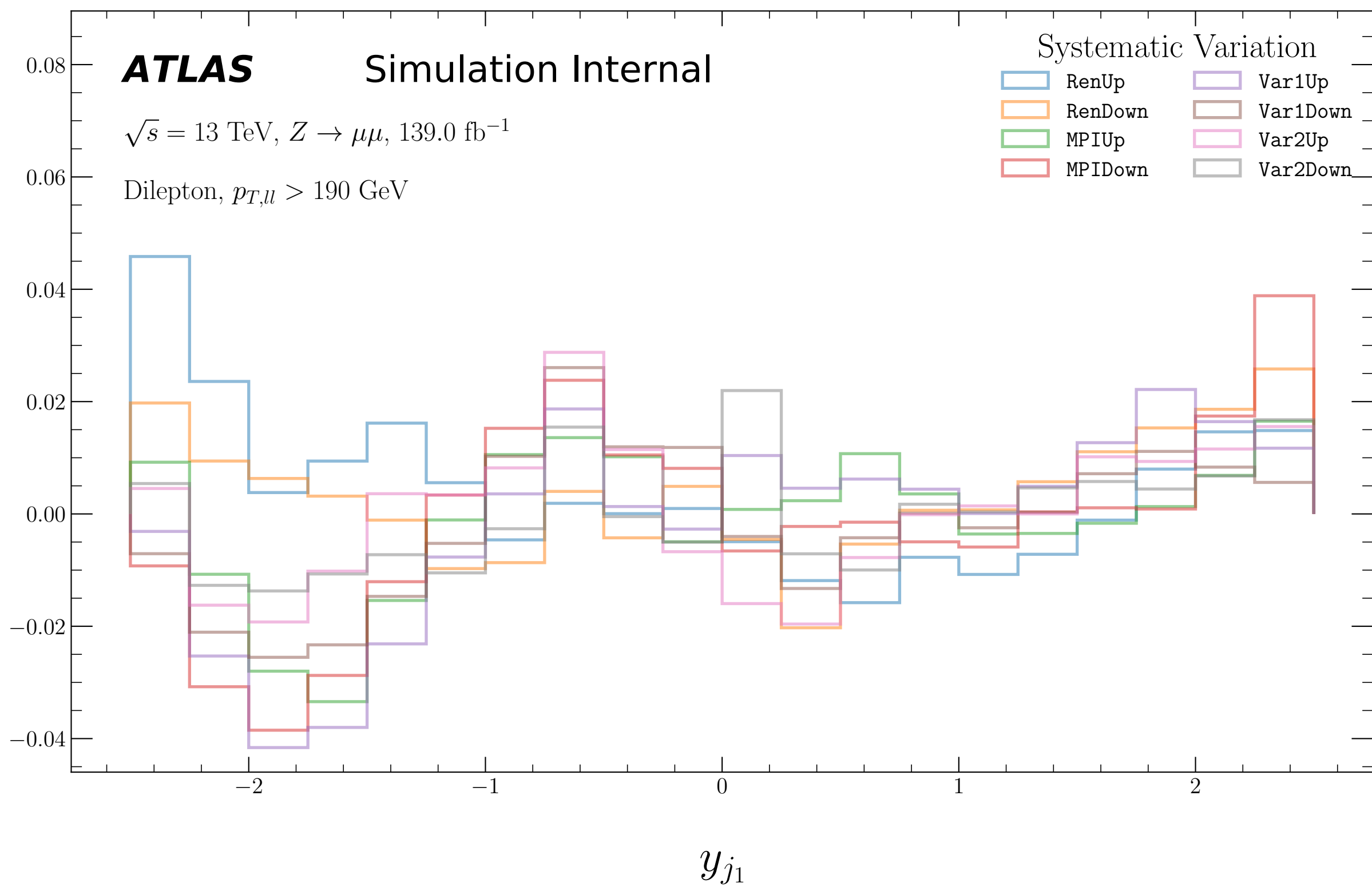
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Systematic Variation



0.06  
0.04  
0.02  
0.00  
-0.02  
-0.04

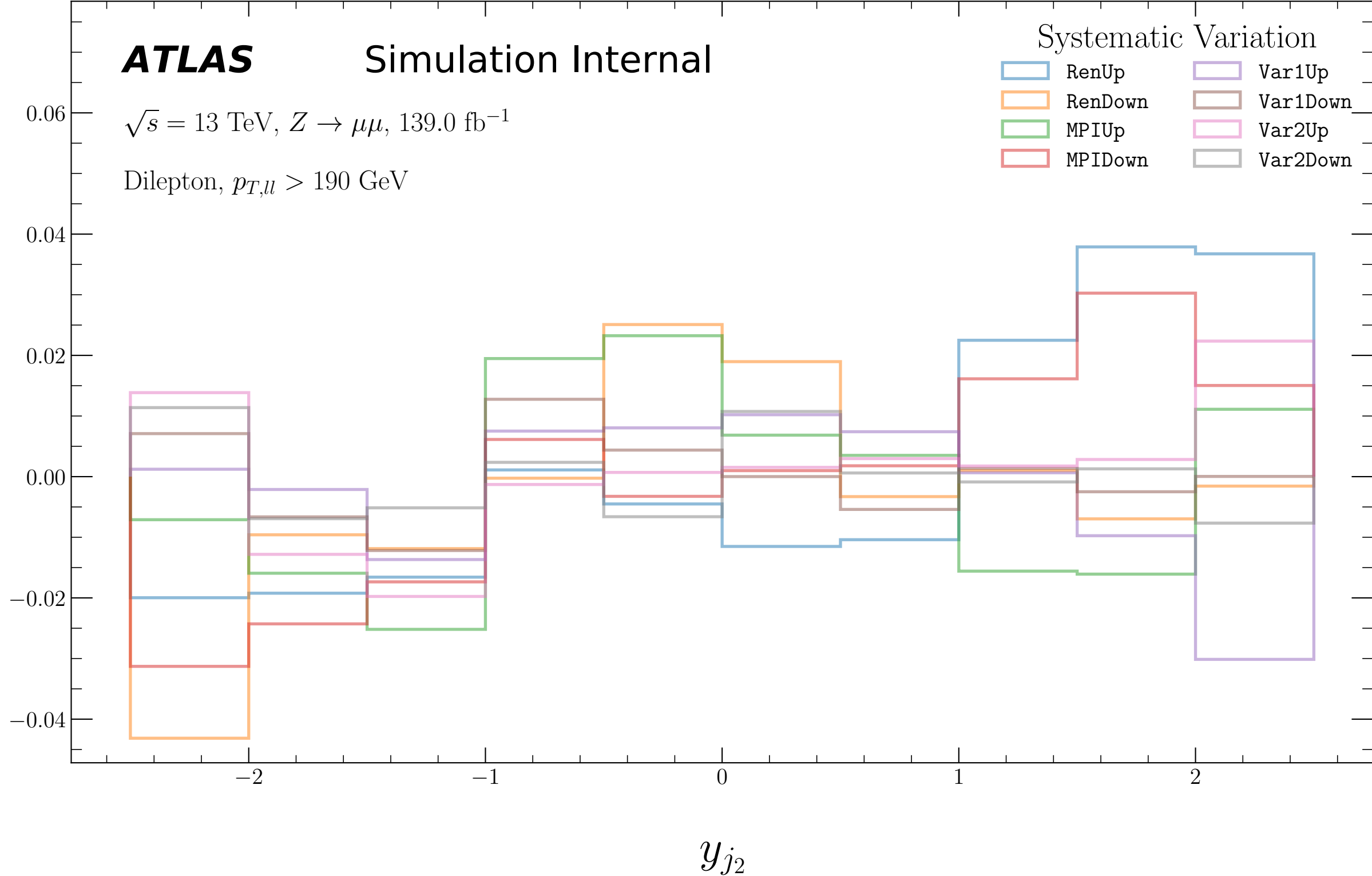
-2

-1

0

1

2

 $y_{j_2}$ 

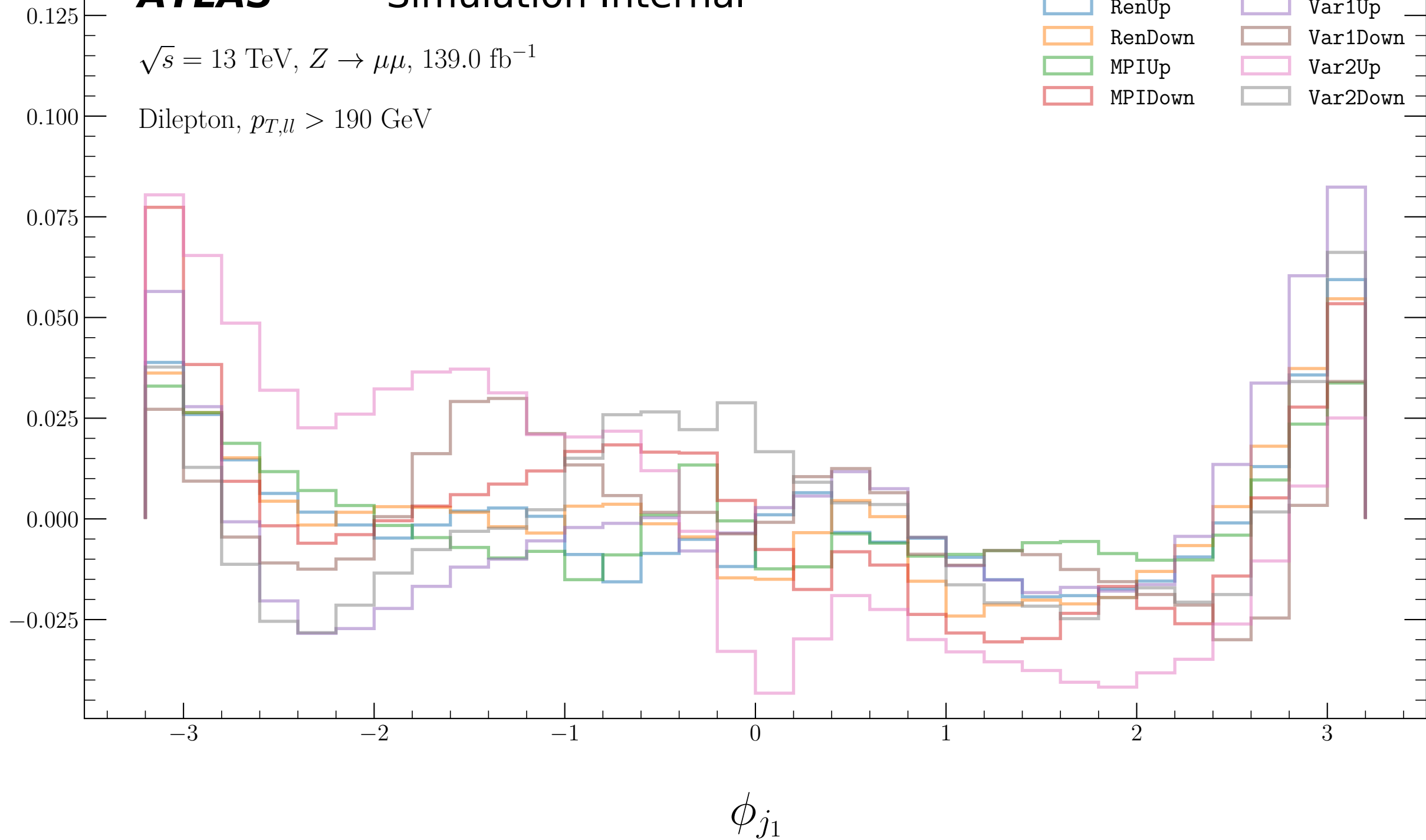


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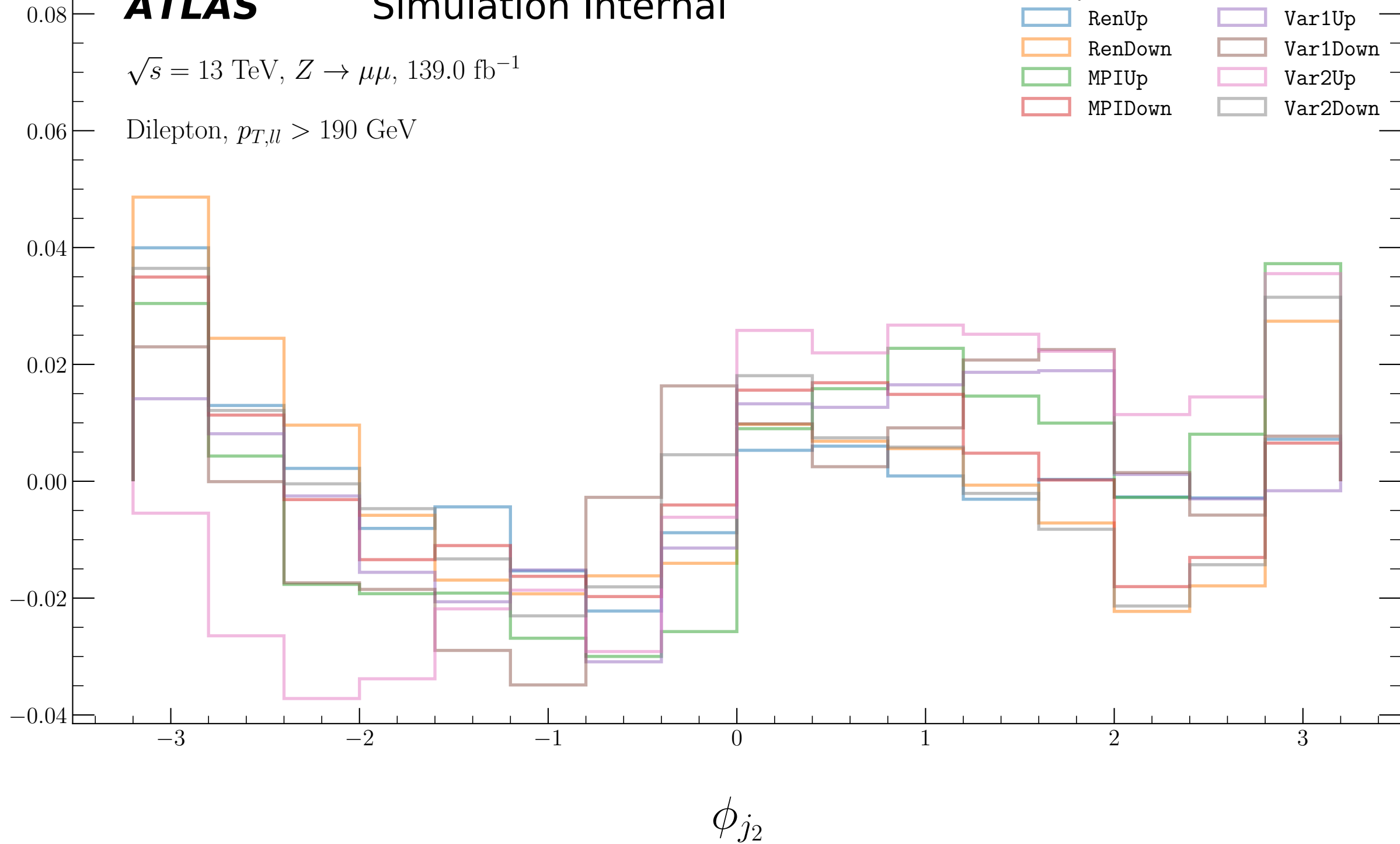


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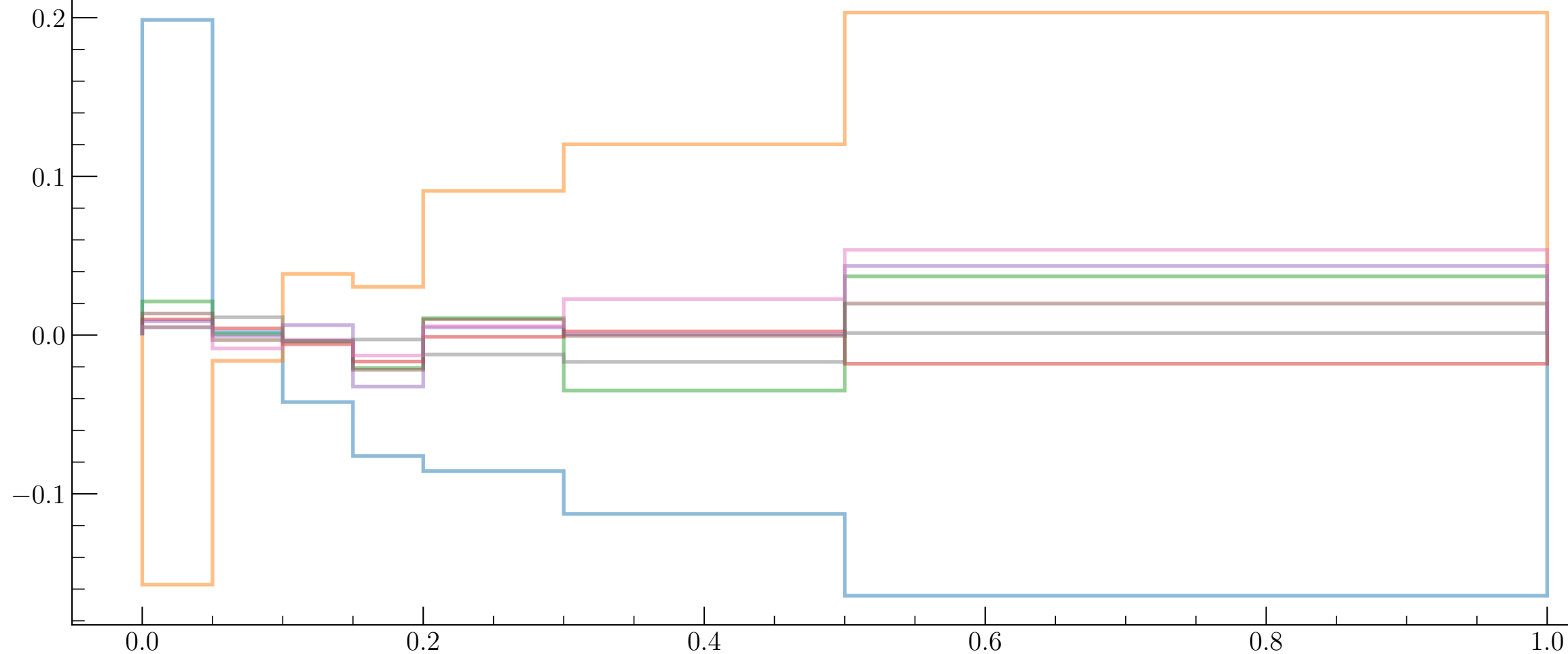
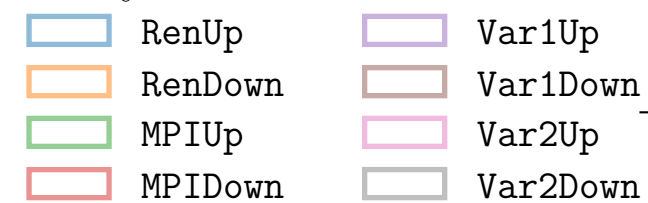


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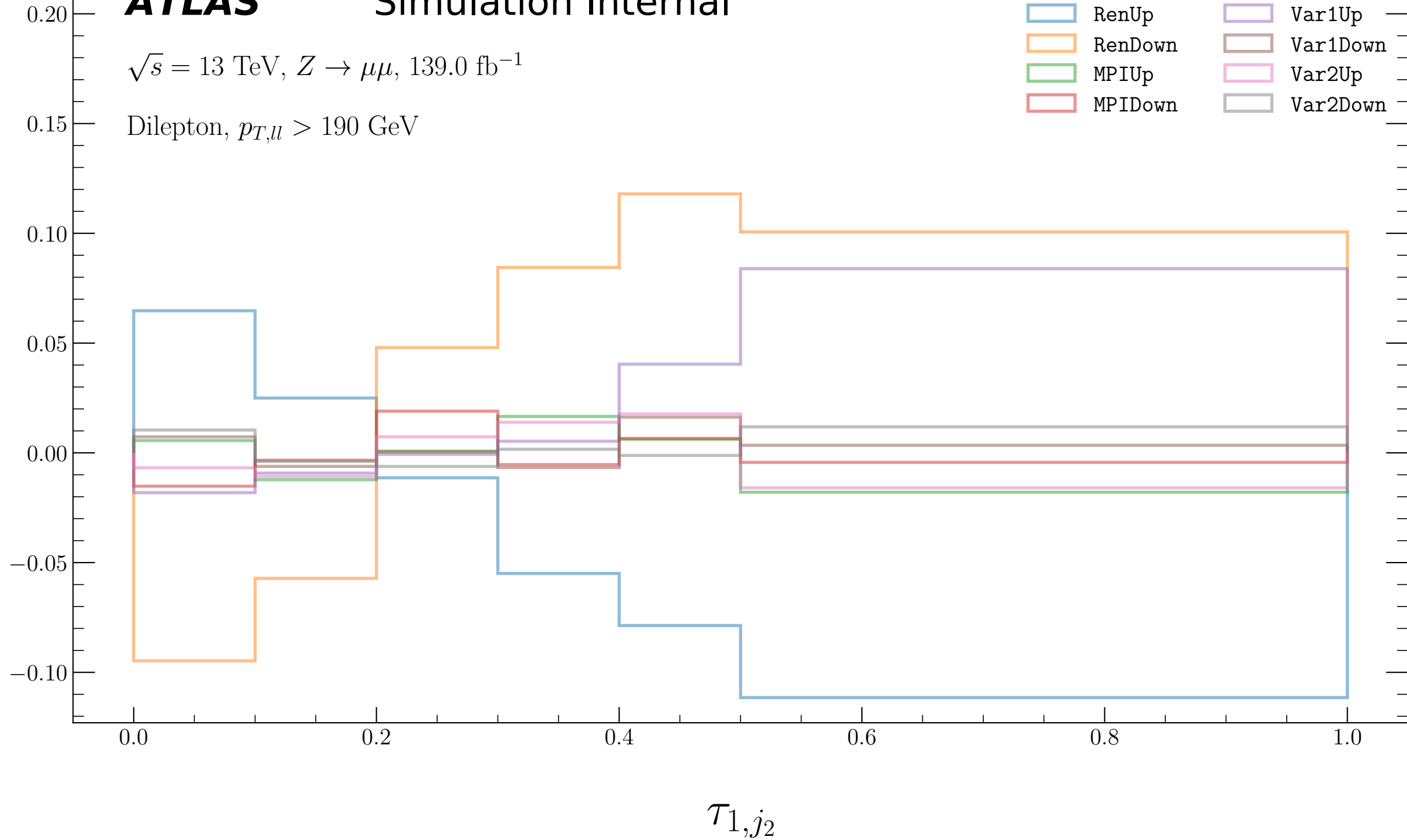
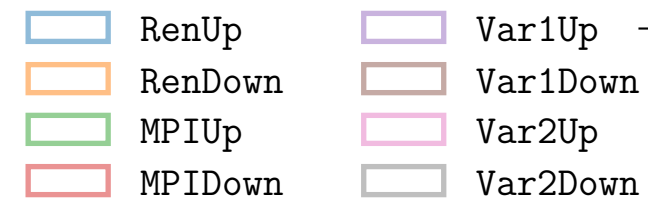
 $\tau_{1,j_1}$

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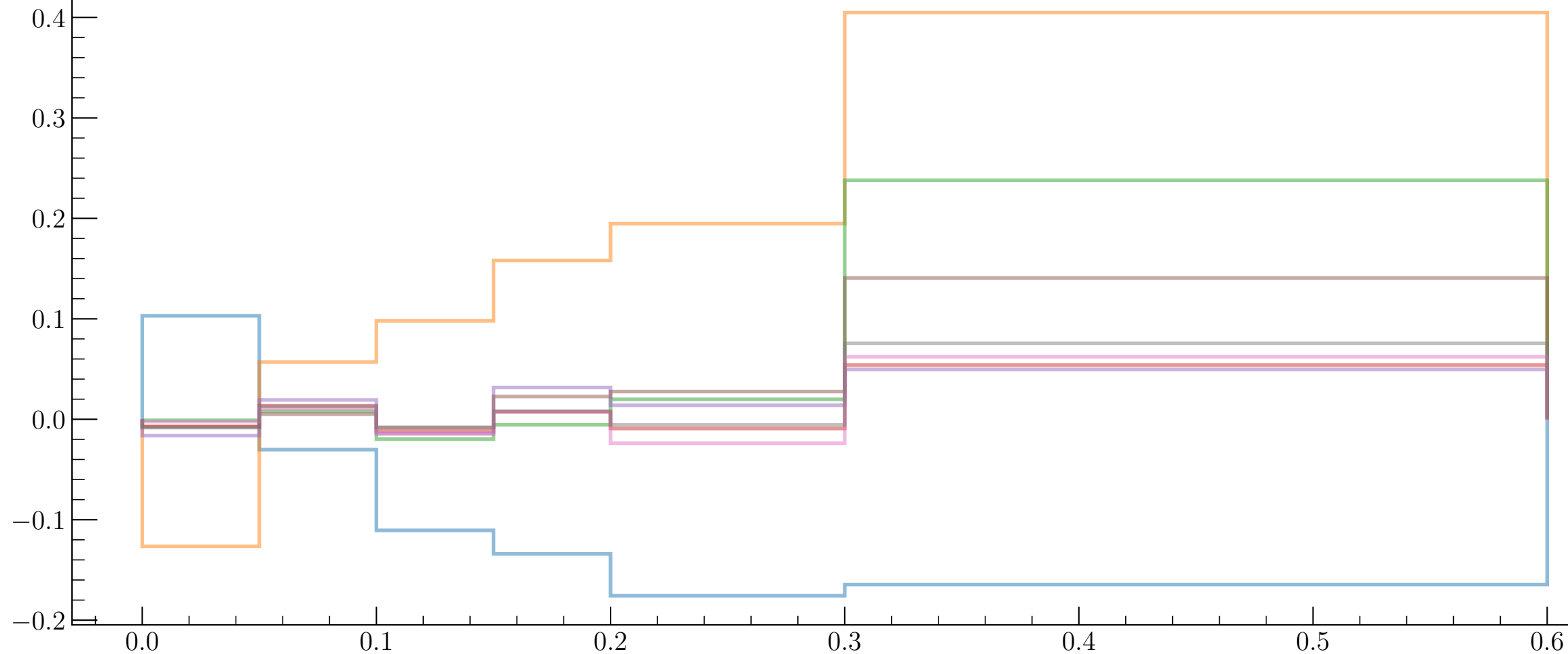


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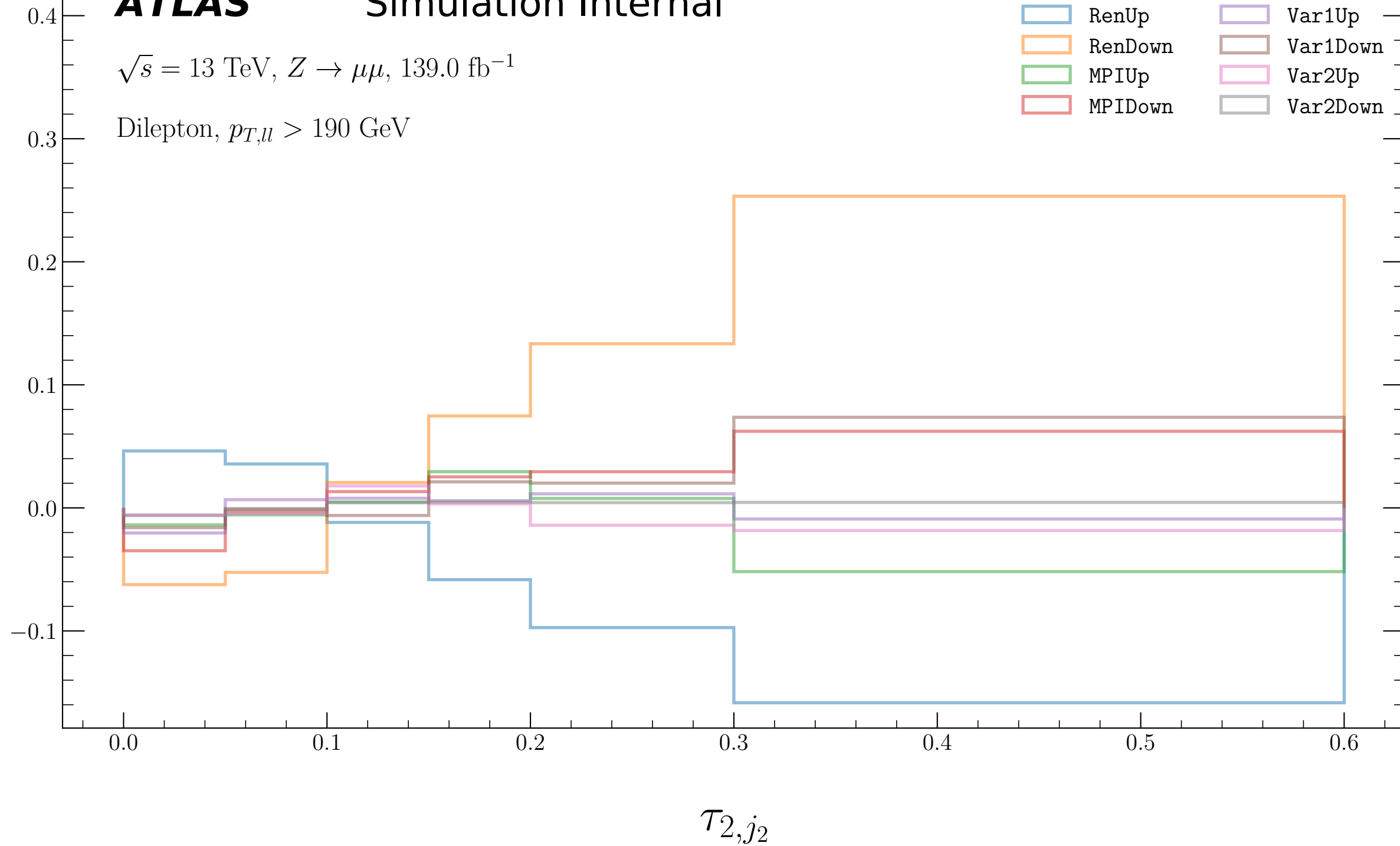
 $\tau_{2,j_1}$

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Systematic Variation

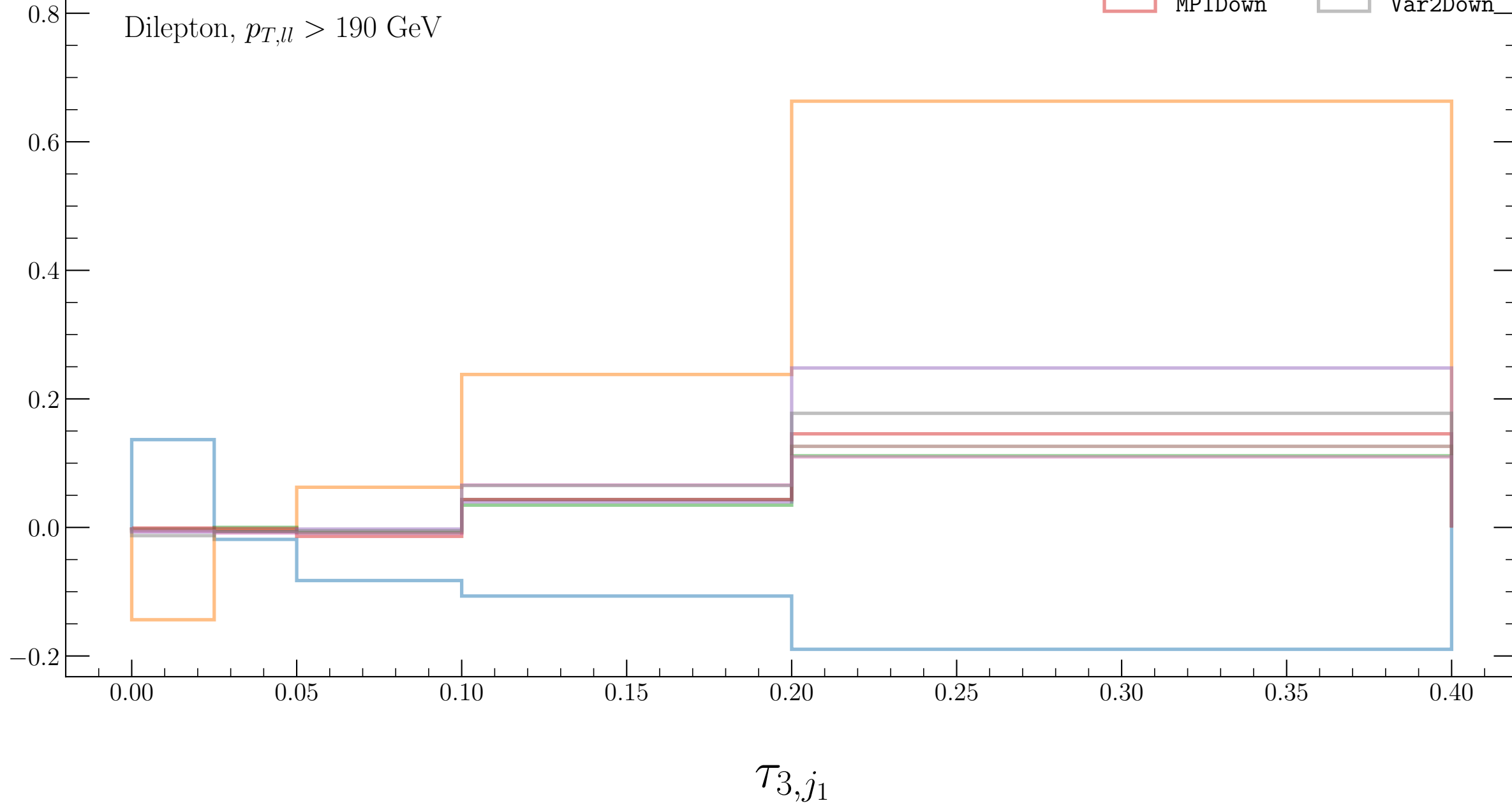


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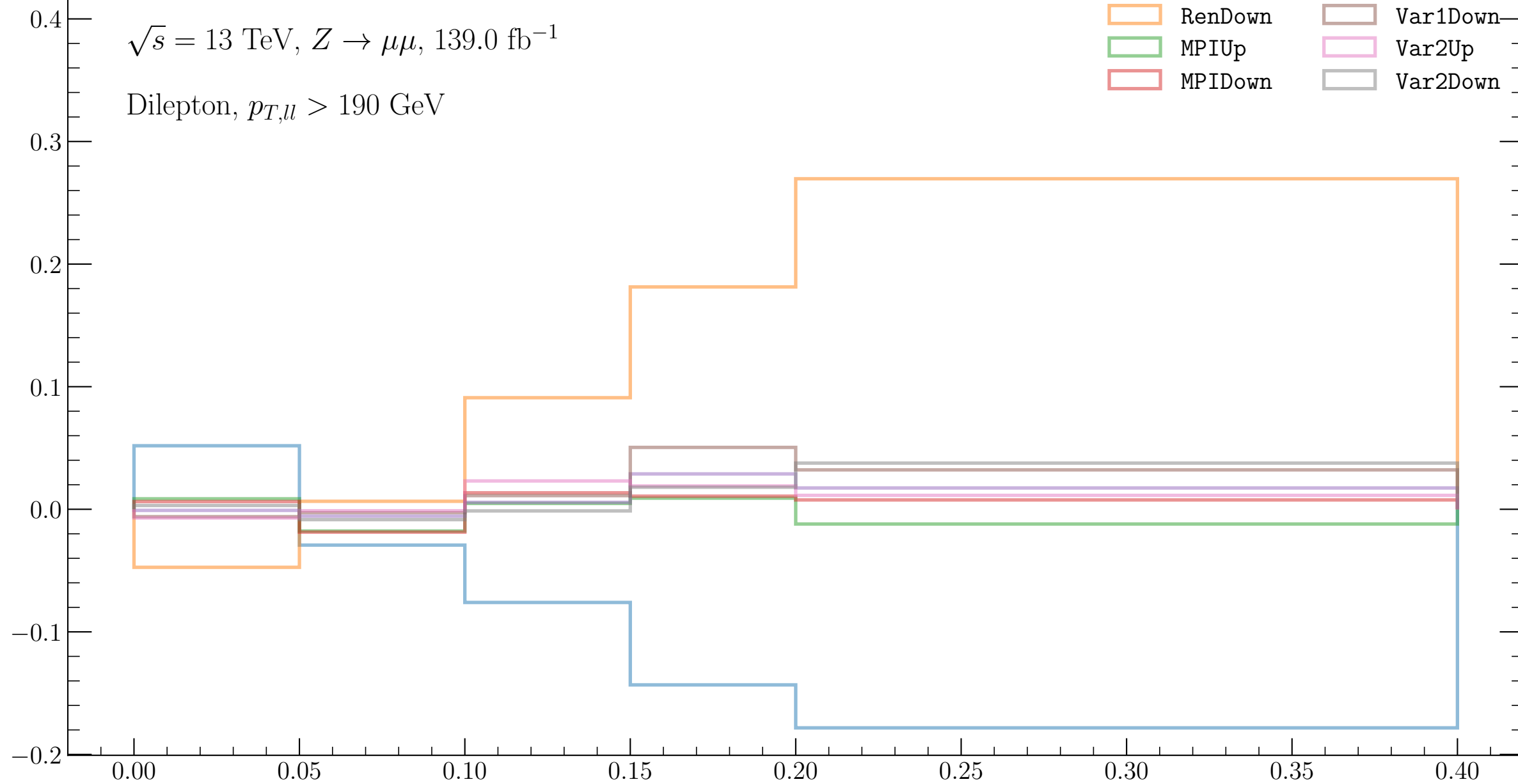


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Systematic Variation

 $\tau_{3,j_2}$

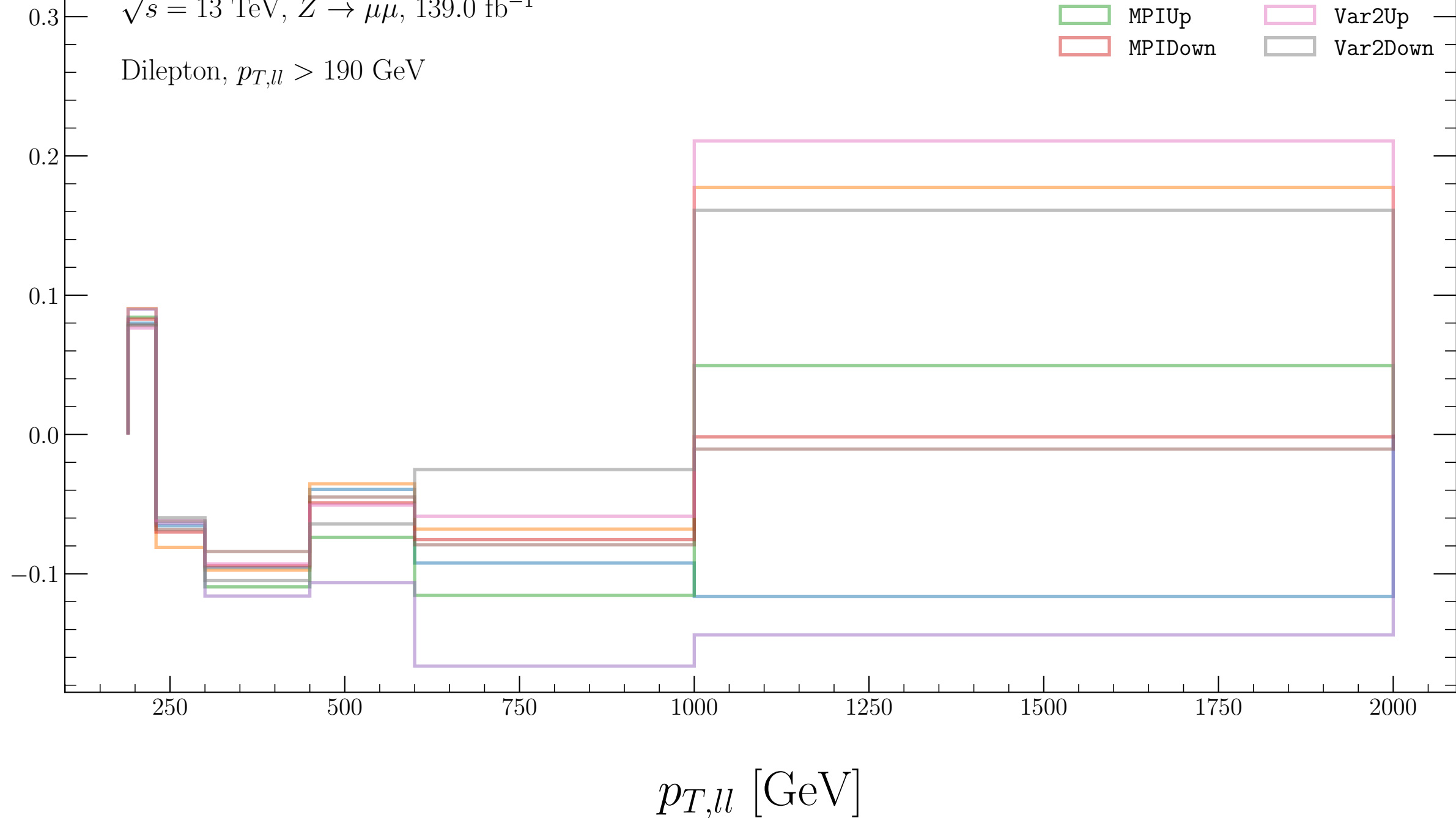


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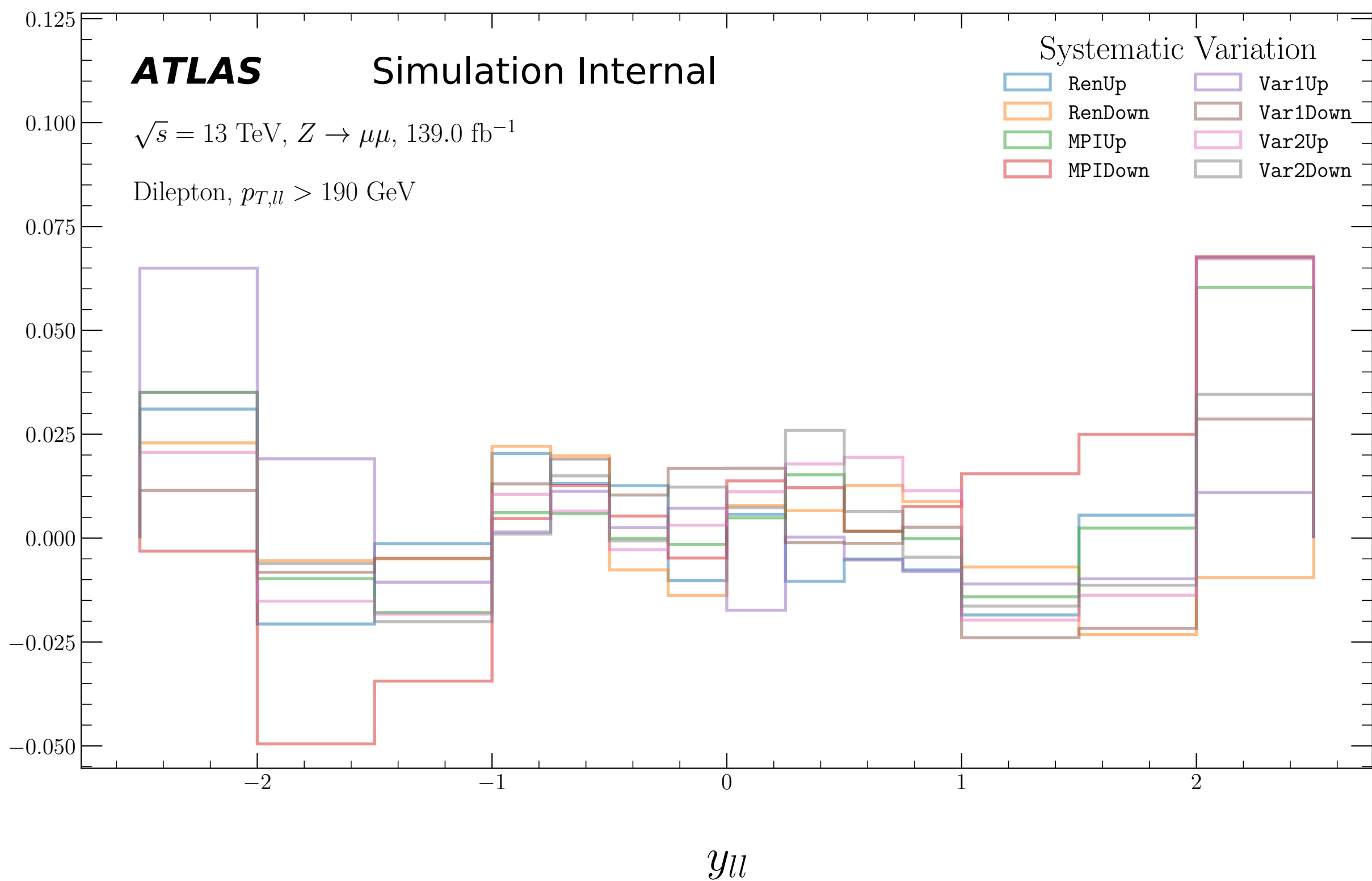
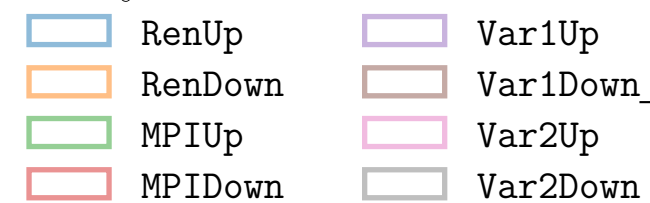


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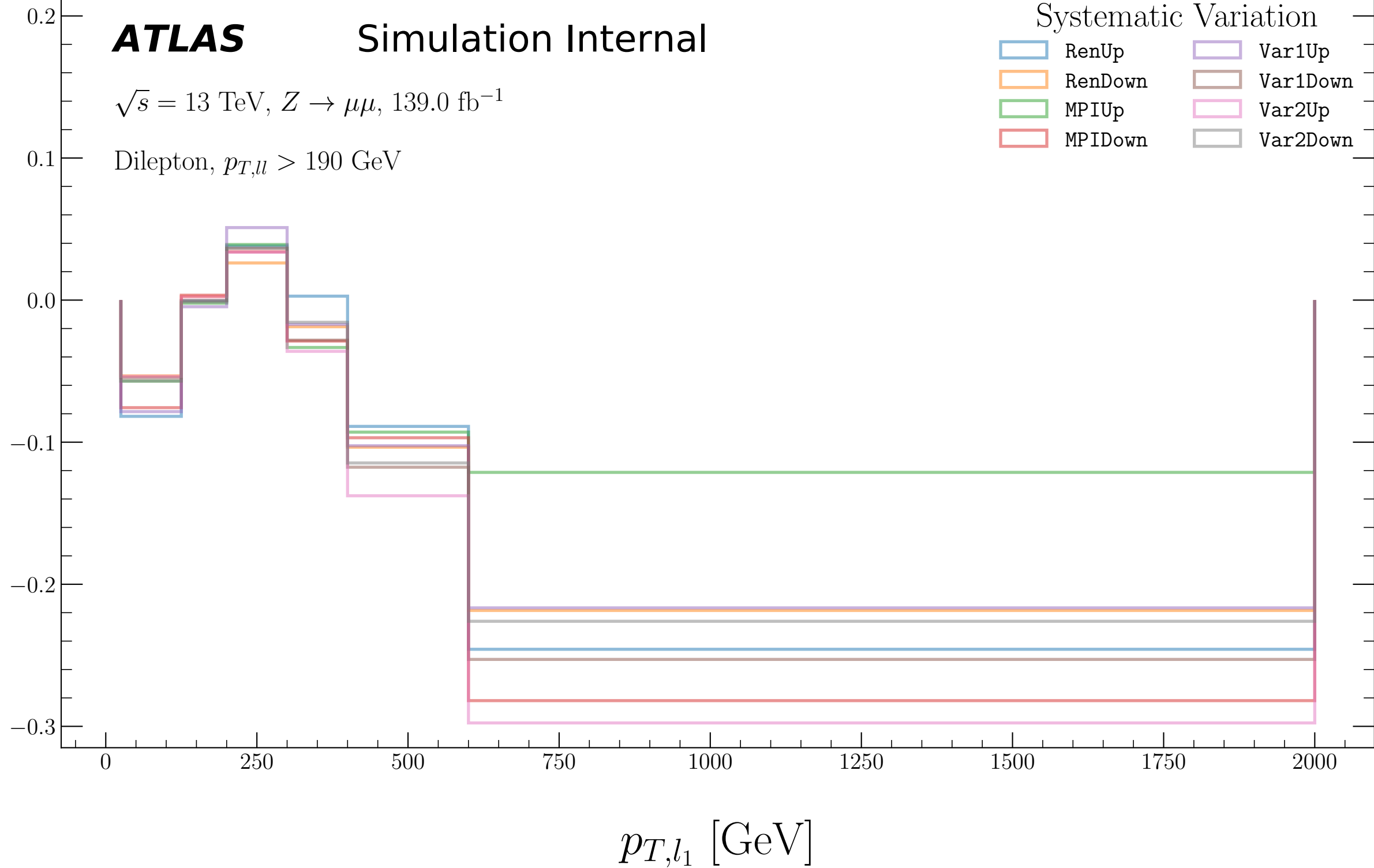
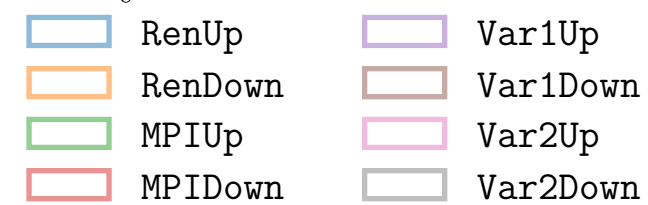


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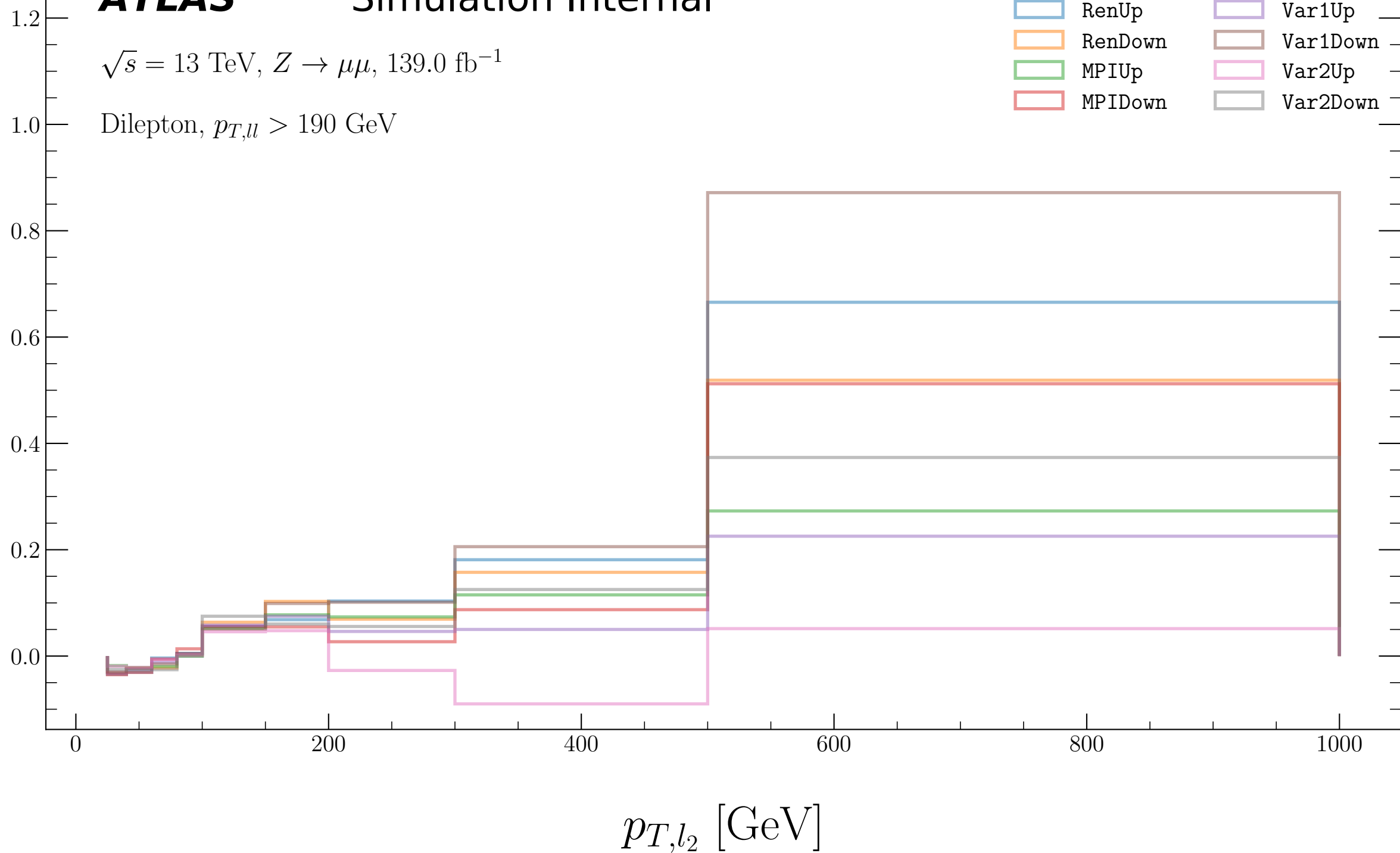
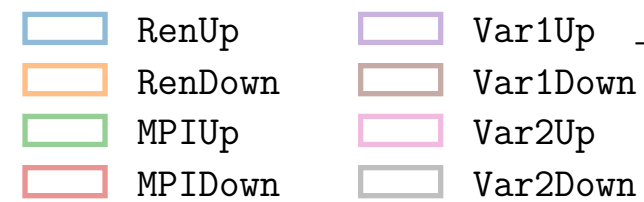


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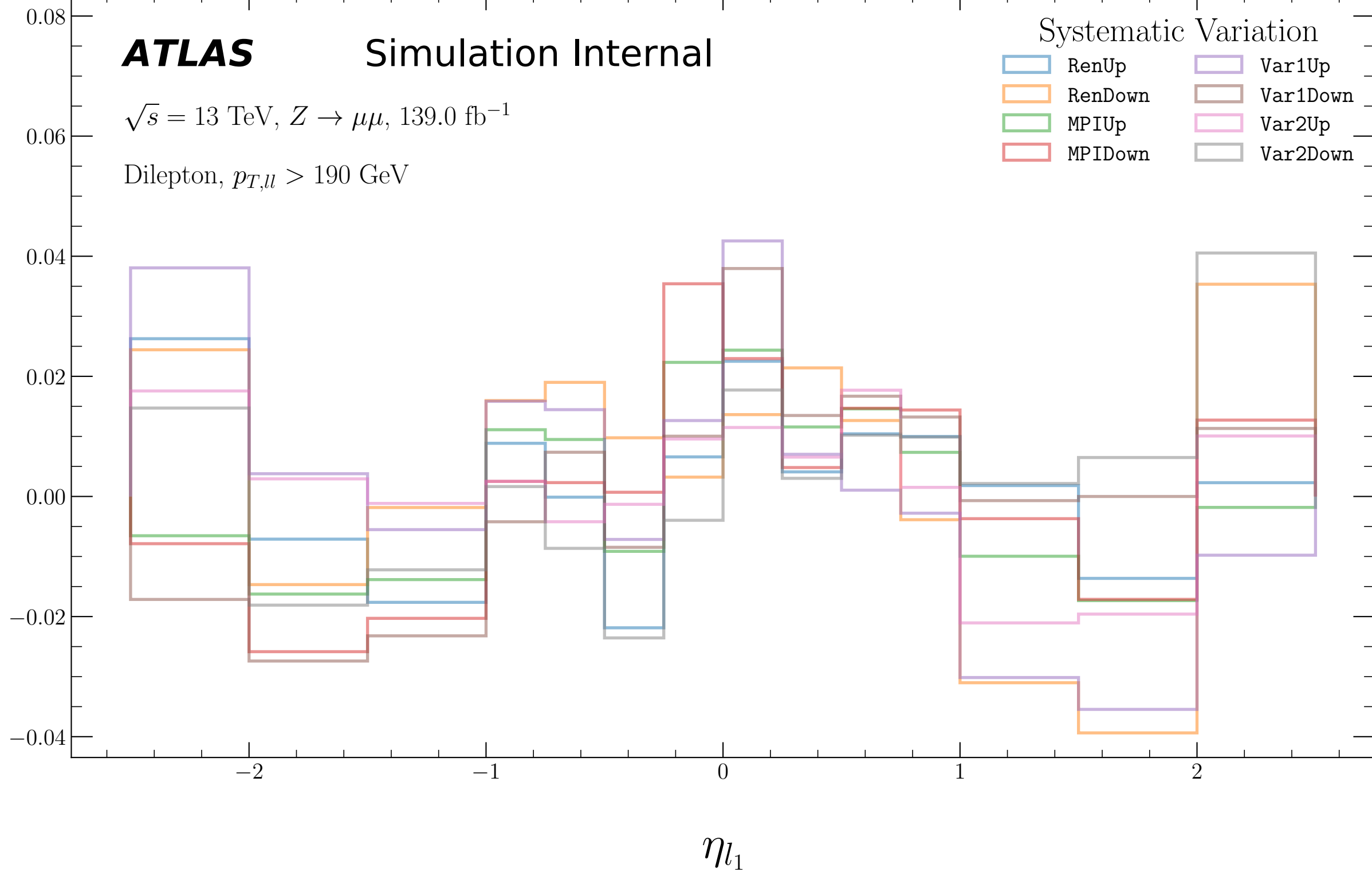


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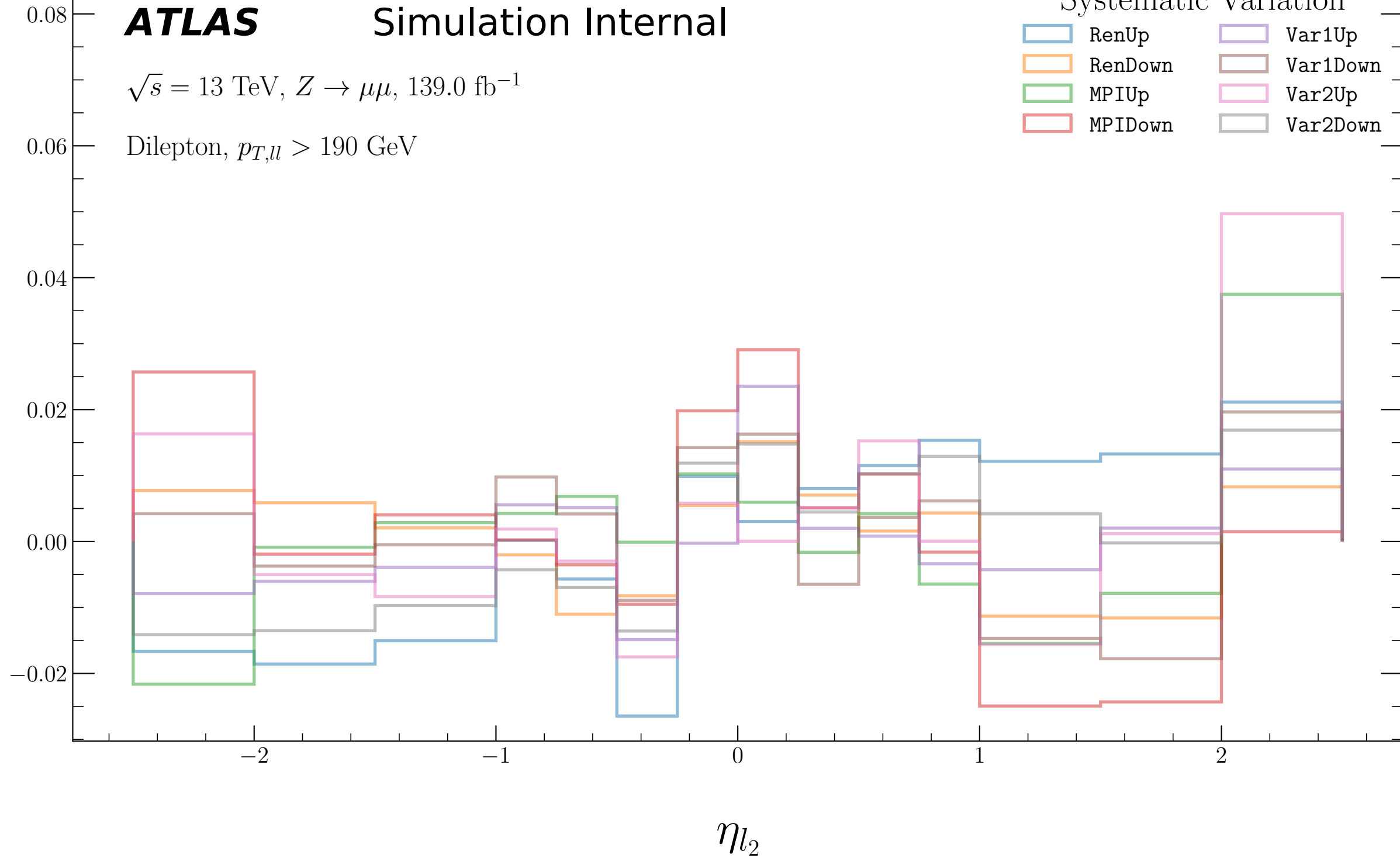
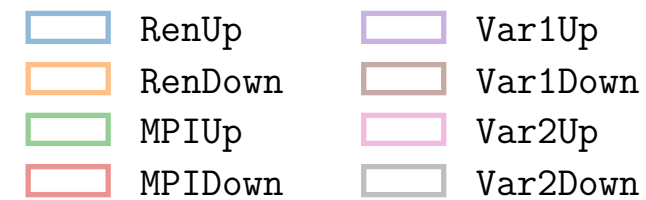


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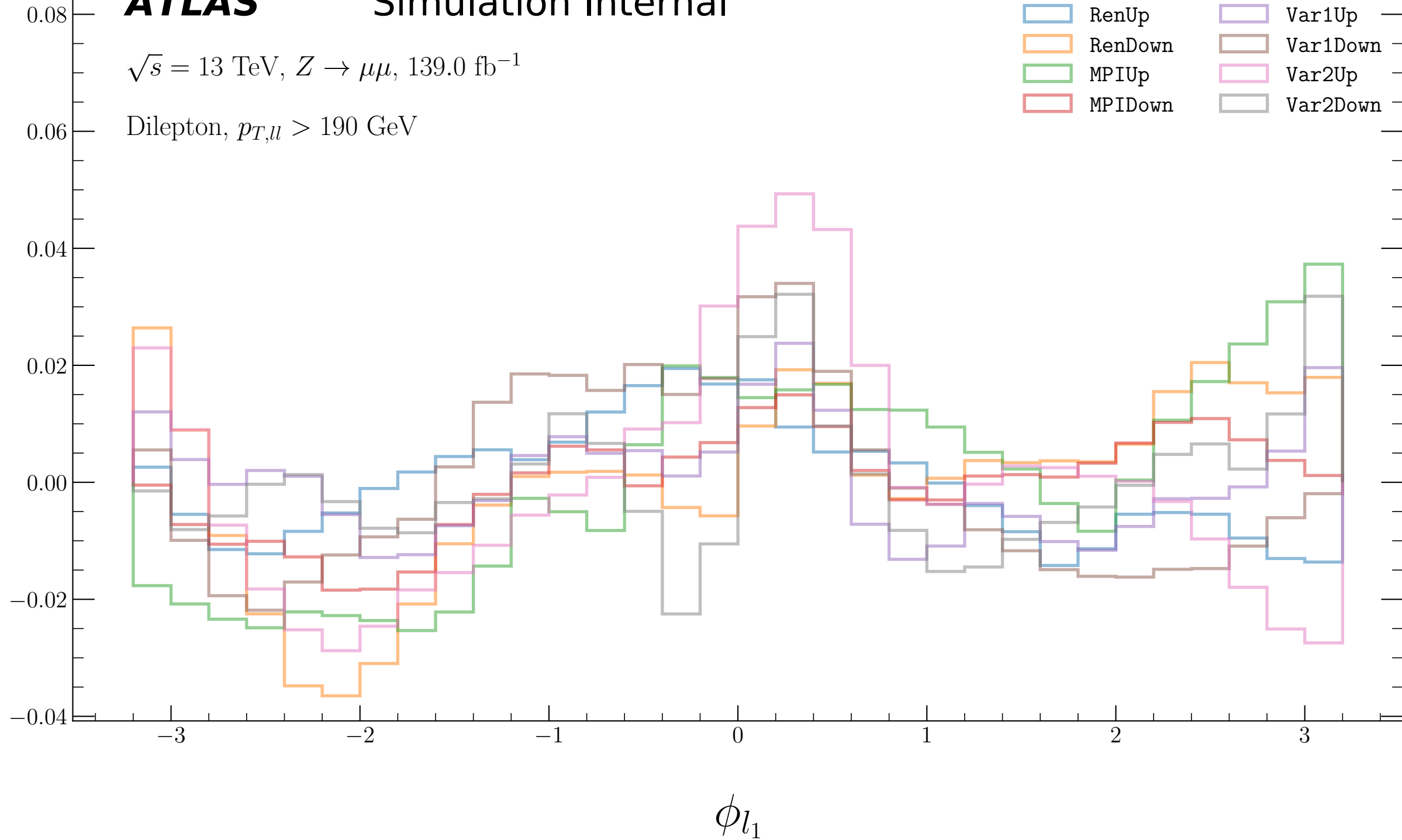


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