

## Systematic Variation

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

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

syst\_ID\_Up

sys\_ID\_Down

syst\_MS\_Up

syst\_MS\_Down

syst\_MSResbias\_Up

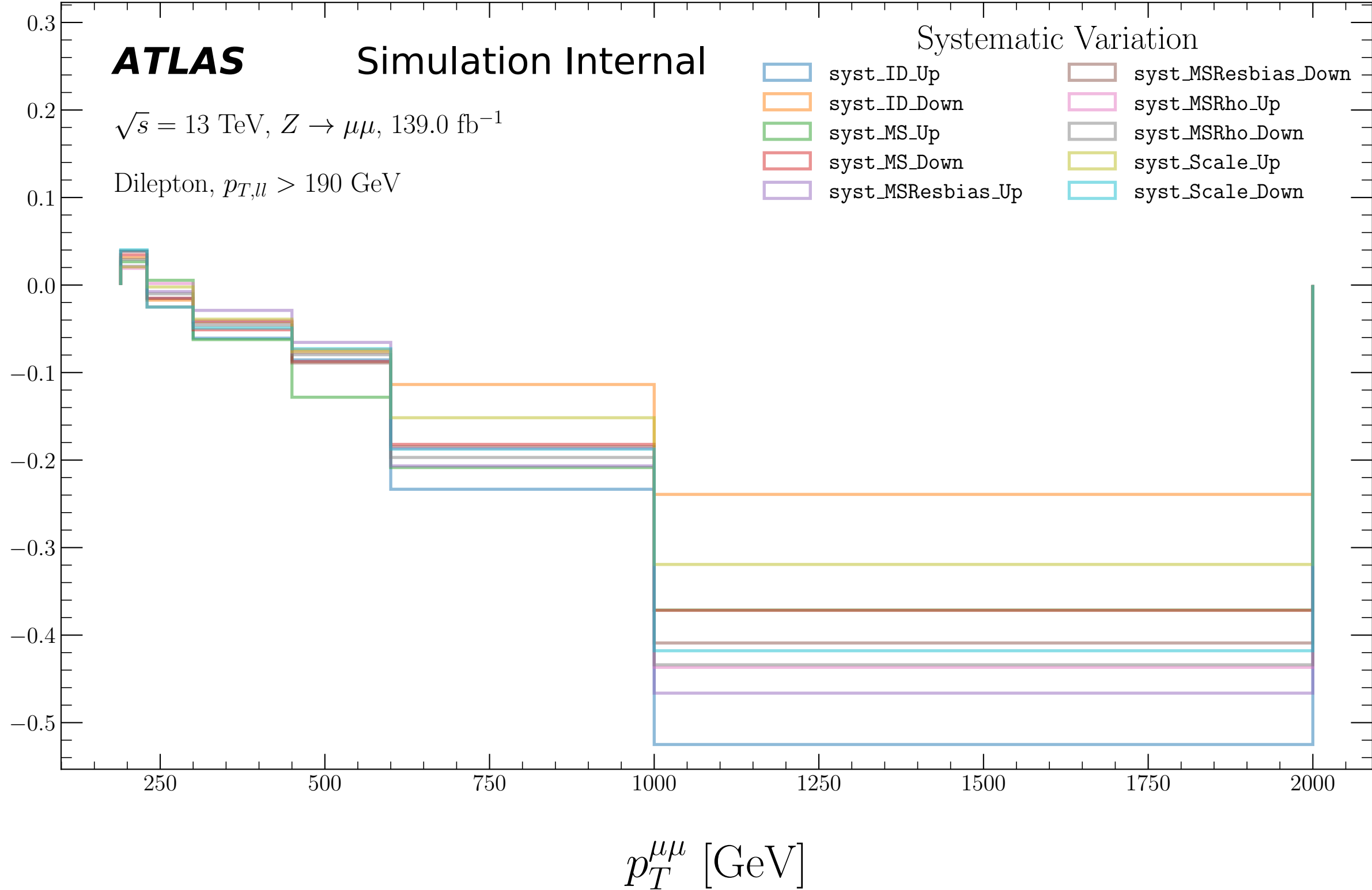
syst\_MSResbias\_Down

syst\_MSRho\_Up

syst\_MSRho\_Down

syst\_Scale\_Up

syst\_Scale\_Down



# Relative Systematic Effect (UniFold)

# ATLAS

# Simulation Internal

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

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

## Systematic Variation

syst\_ID\_Up

sys\_ID\_Down

sys\_MS\_Up

sys\_MS\_Down

syst\_MSResbias\_Up

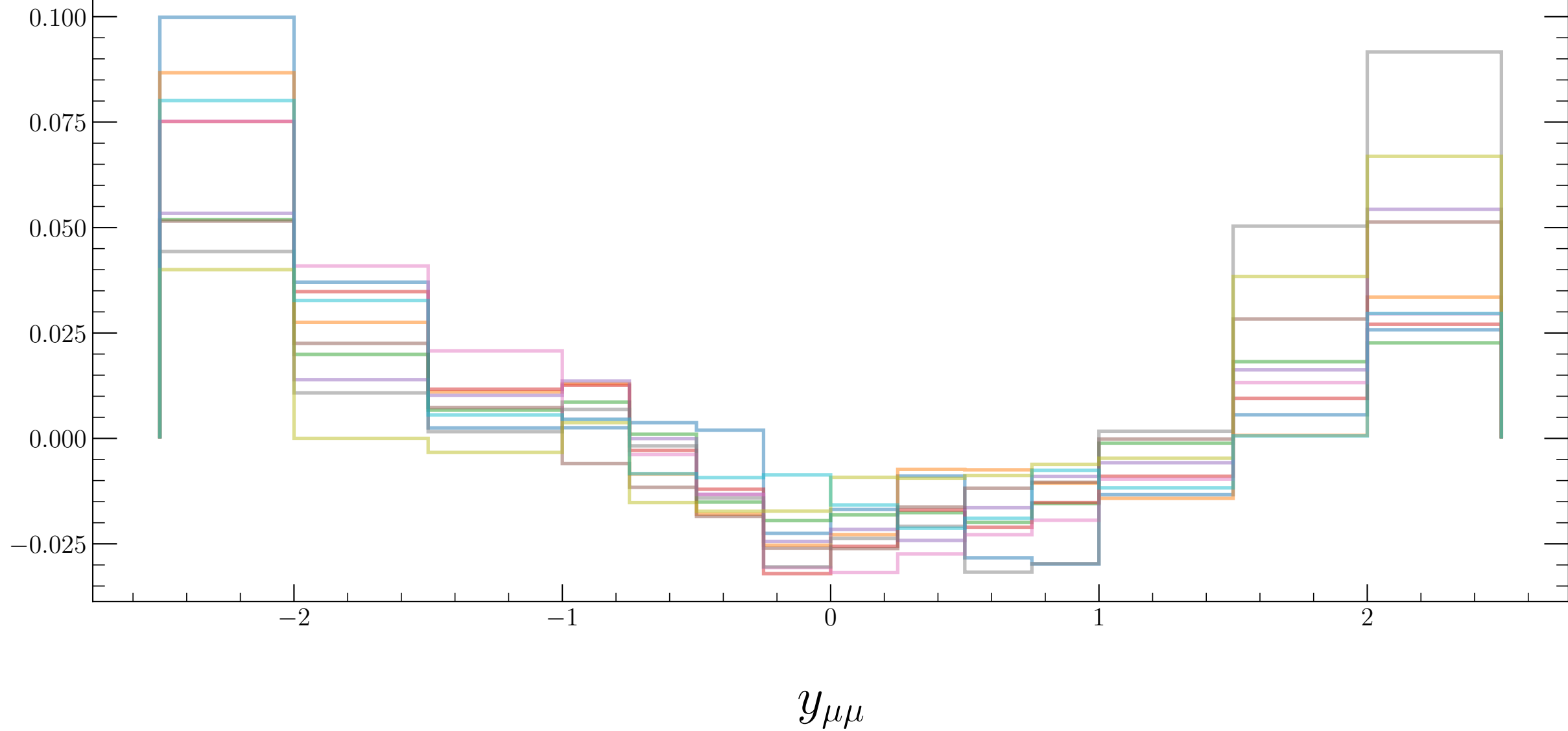
syst\_MSResbias\_Down

syst\_MSRho\_Up

syst\_MSRho\_Down

syst\_Scale\_Up

syst\_Scale\_Down



# Relative Systematic Effect (UniFold)

# ATLAS

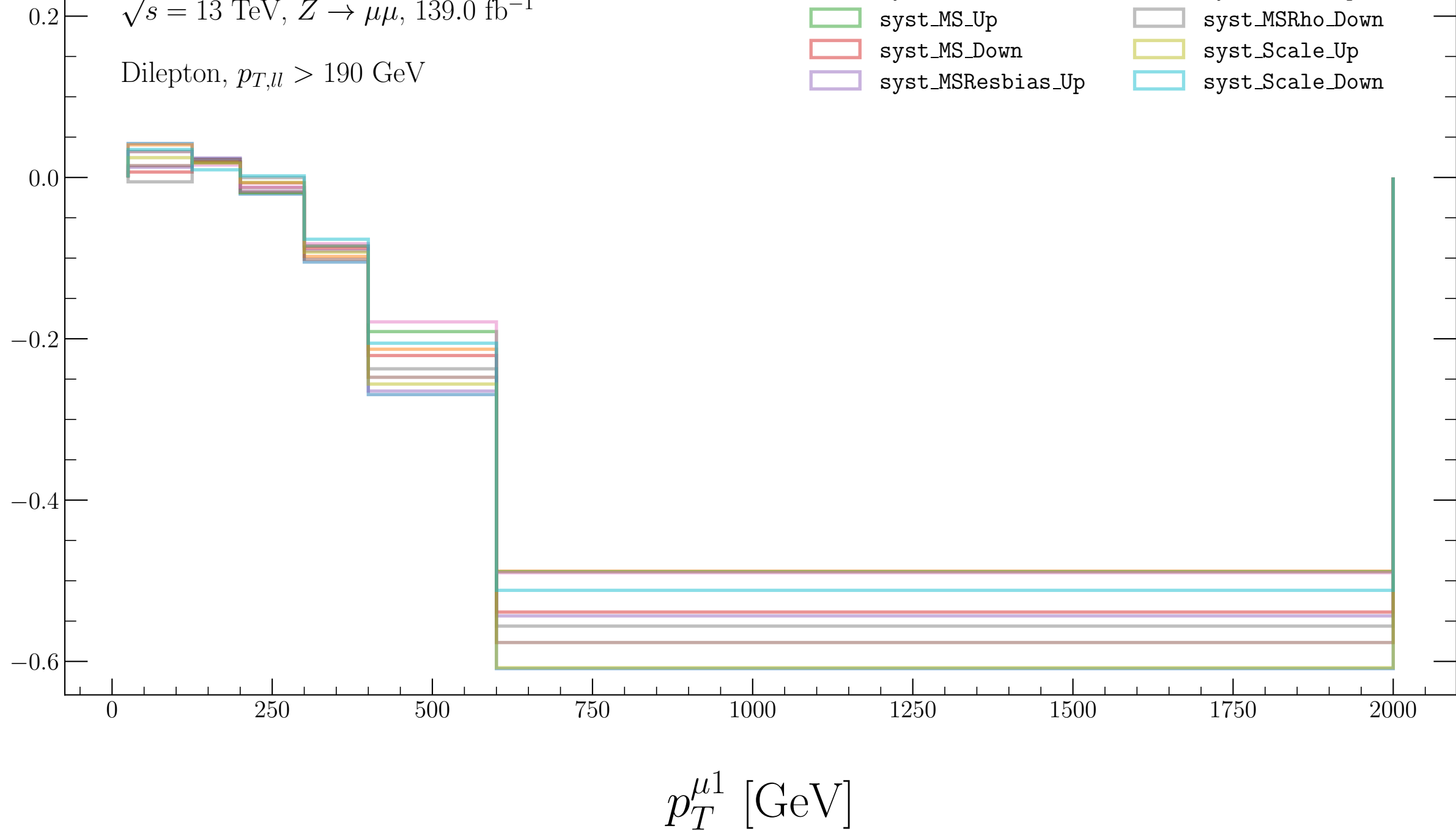
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$$\sqrt{s} = 13 \text{ TeV}, Z \rightarrow \mu\mu, 139.0 \text{ fb}^{-1}$$

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

## Systematic Variation

	syst_ID_Up		syst_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



# ATLAS

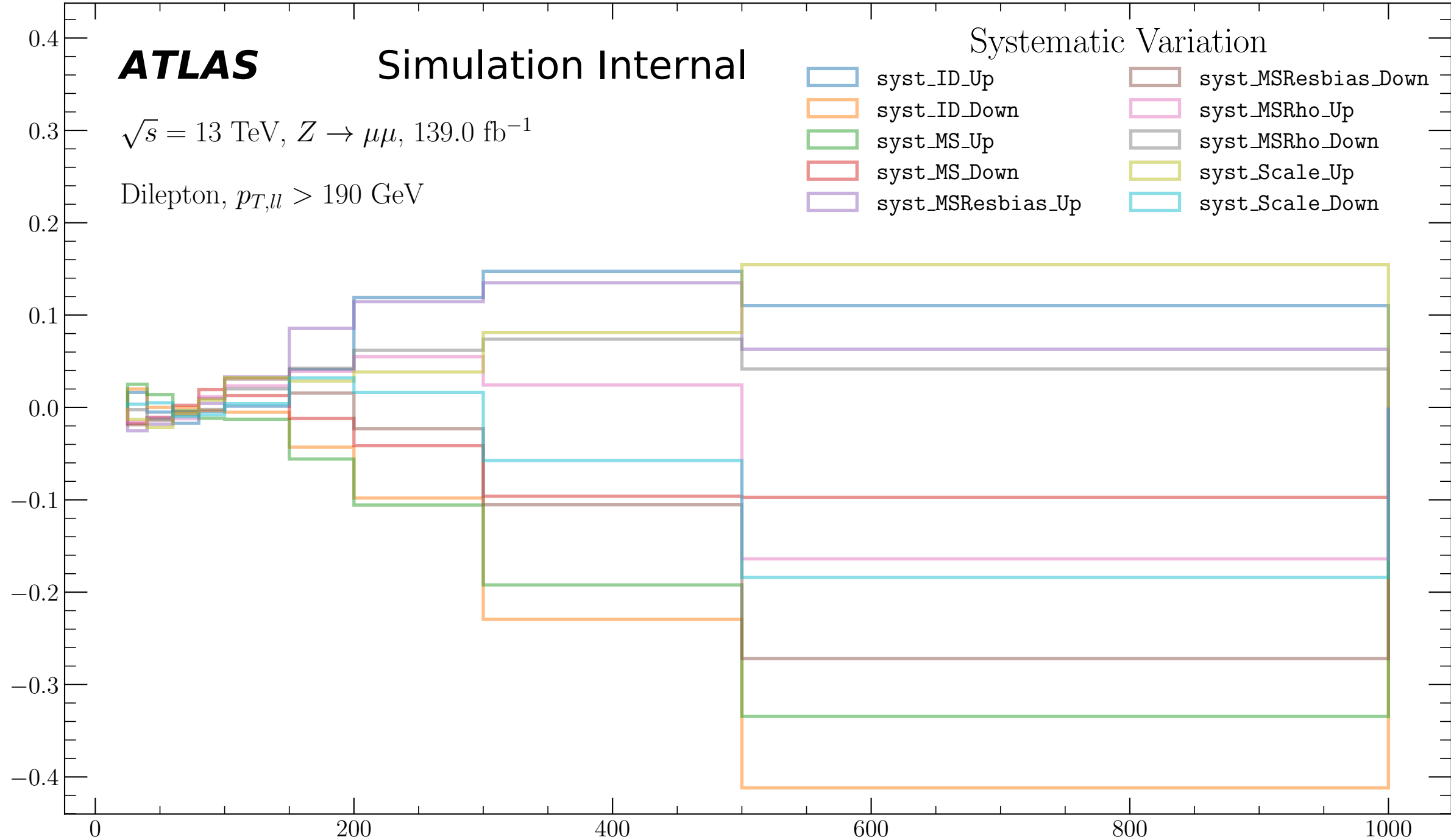
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Dilepton,  $p_{T,l} > 190$  GeV

## 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


$$p_T^{\mu 2} \text{ [GeV]}$$