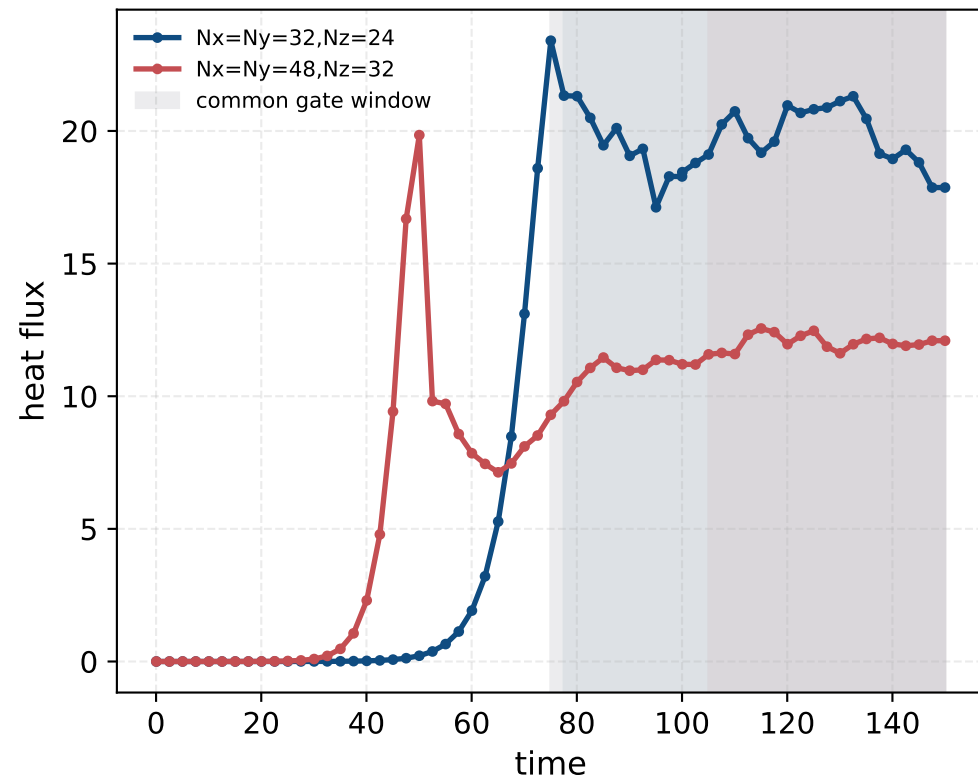
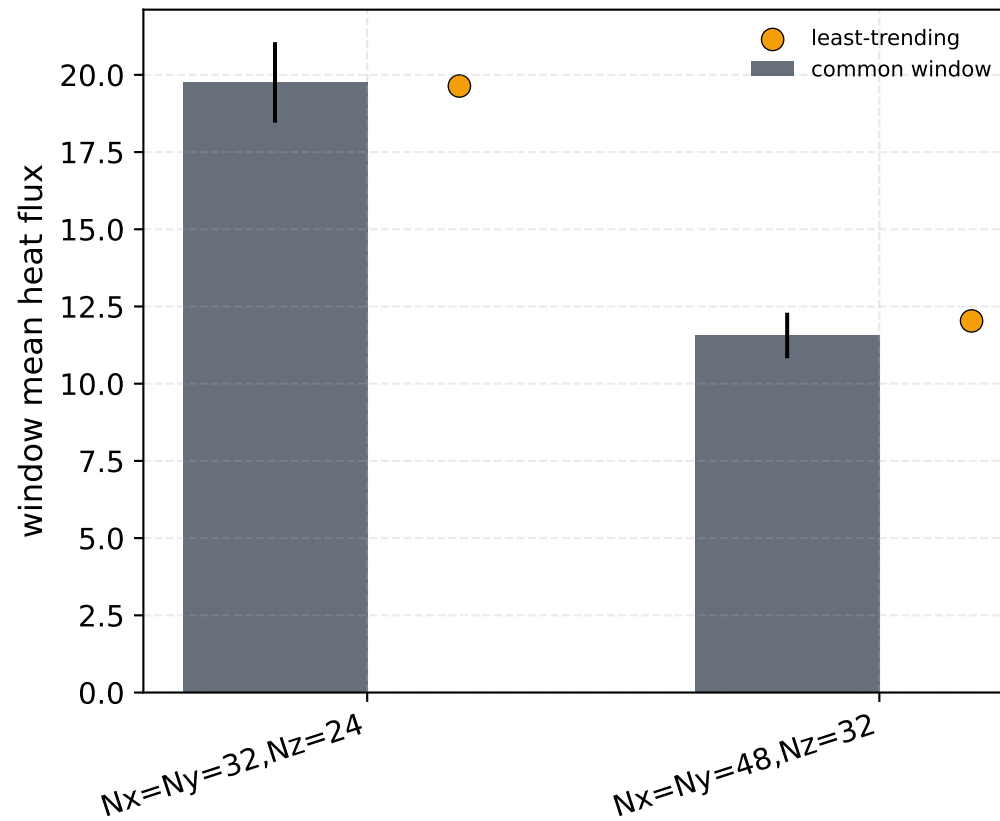


# nfp4 QH external VMEC nonlinear grid convergence

## Nonlinear traces



## Grid-refined window means



Gate status: FAIL

common rel. grid diff: 0.523

least-window rel. grid diff: 0.480

allowed grid diff: 0.150

common start fraction: 0.50

Failed metrics:

- common trend: 0.00229 > 0.002
- common grid difference: 0.523 > 0.15
- least-window grid difference: 0.48 > 0.15

Interpretation:

finite external-VMEC pilot,  
but not a transport holdout until  
late-window and grid agreement pass.