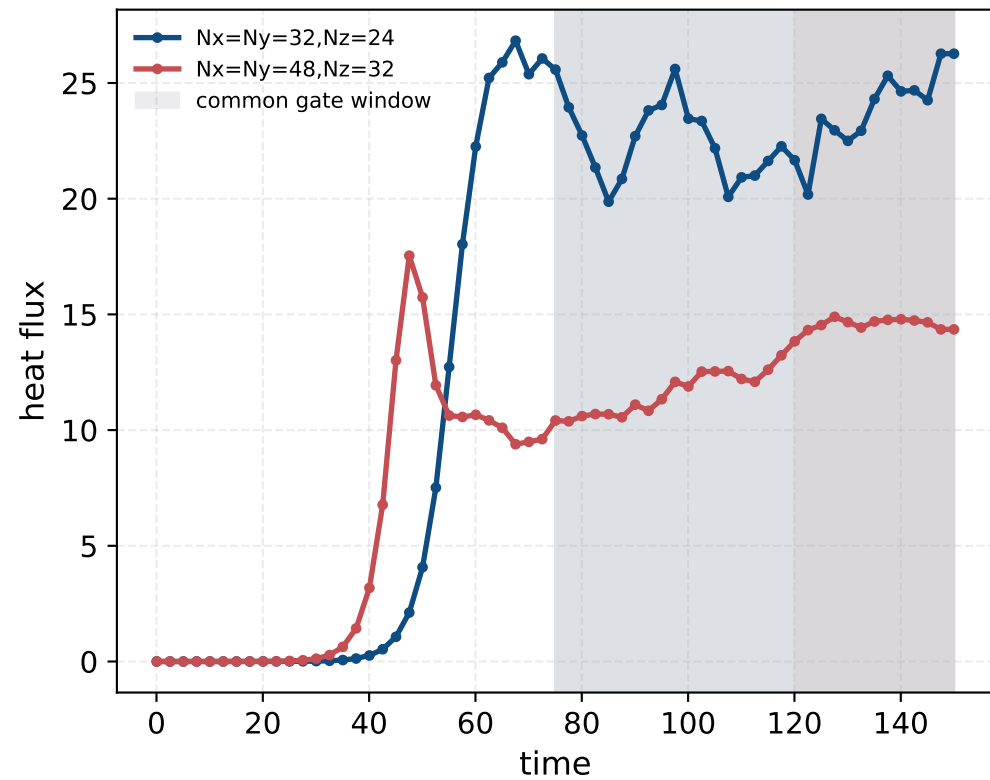
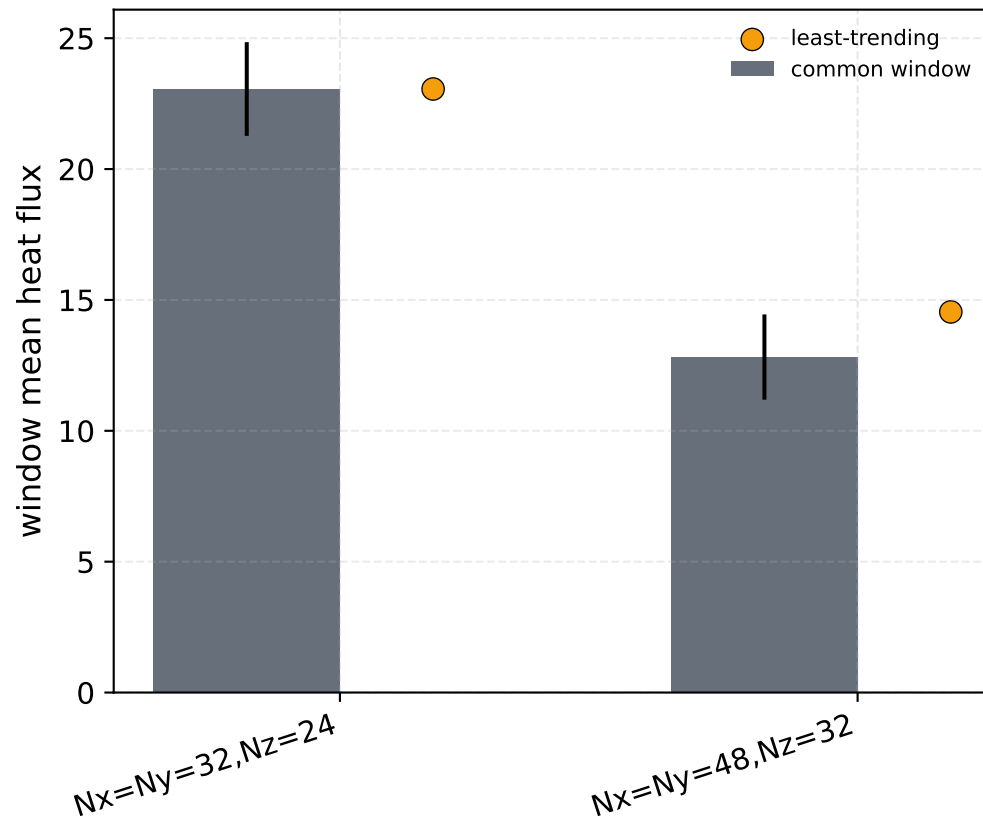


CTH-like external VMEC nonlinear grid convergence

Nonlinear traces



Grid-refined window means



Gate status: FAIL
common rel. grid diff: 0.571
least-window rel. grid diff: 0.453
allowed grid diff: 0.150
common start fraction: 0.50

Failed metrics:

- common trend: 0.00542 > 0.002
- common grid difference: 0.571 > 0.15
- least-window grid difference: 0.453 > 0.15

Interpretation:

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