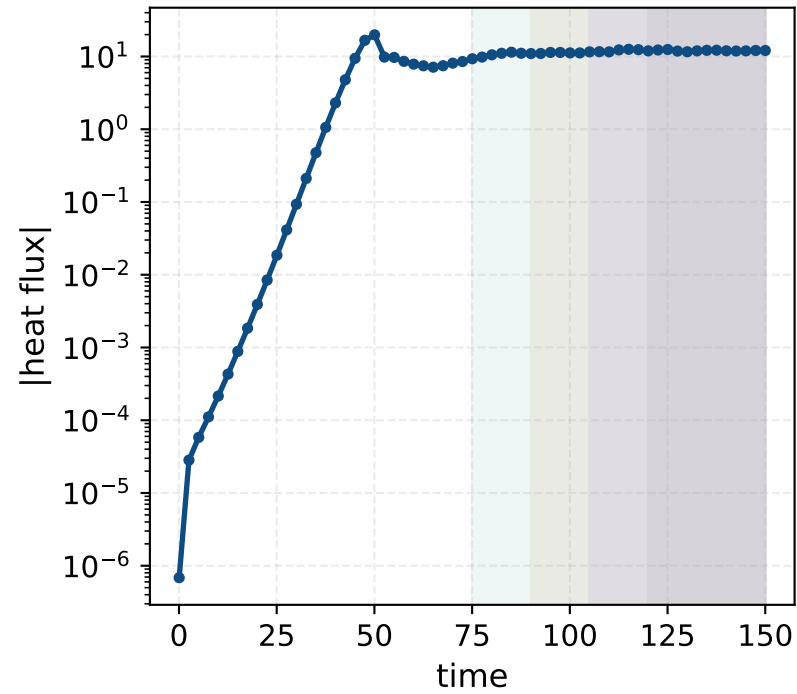
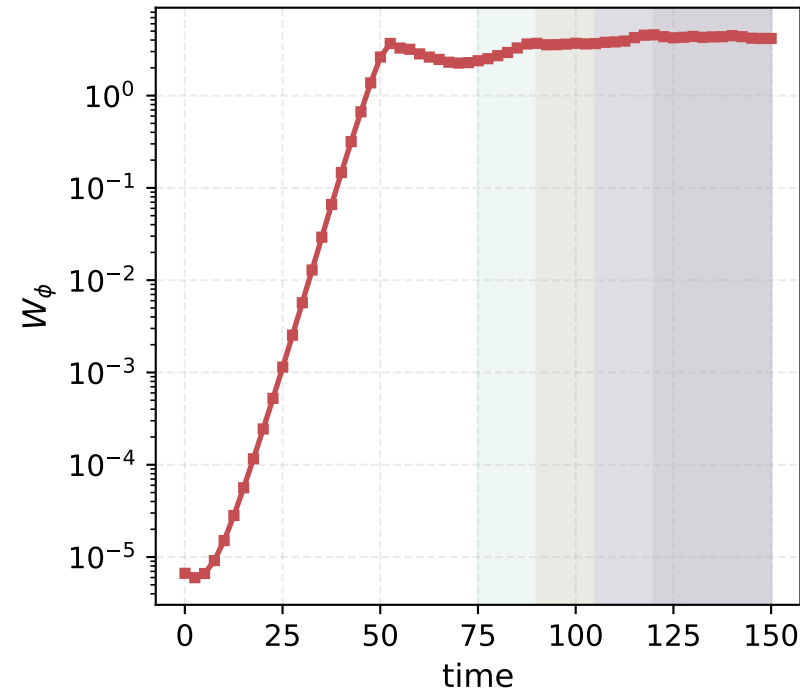


nfp4 QH nonlinear feasibility pilot, t=150, higher grid

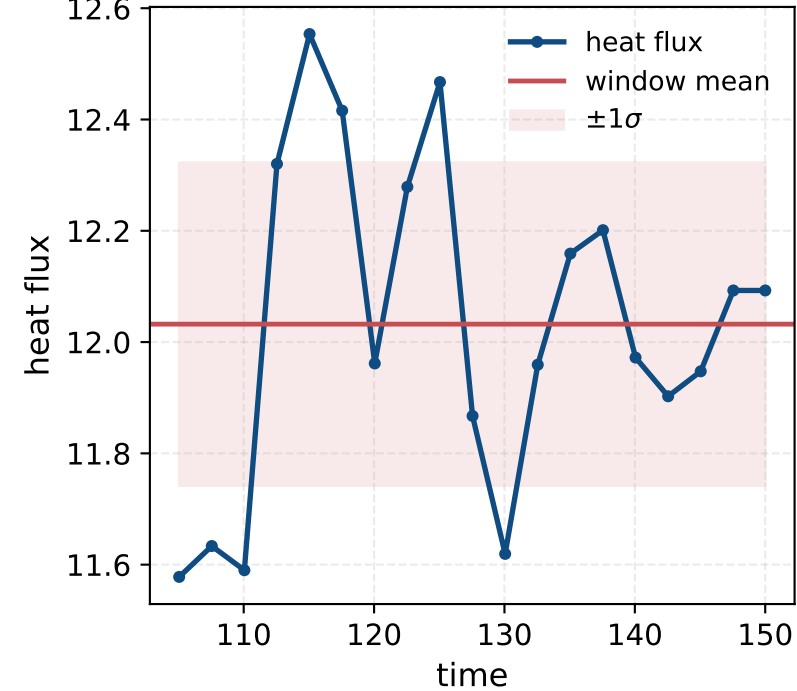
Transport trace



Field-energy trace



Least-trending window starts at t=105.05



nfp4 QH external VMEC, $N_x=N_y=48$, $N_z=32$, $t=150$
claim: finite_higher_grid_long_nonlinear_feasibility_not_yet_transport_validation
samples: 61, $t=[0.05, 150]$
final heat flux: 12.09
final W_ϕ : 4.16
least-trending window: [105, 150]
window heat mean: 12.03
window heat std: 0.2902
relative slope/time: 0.000212

Interpretation:
finite long pilot; not promoted unless
a saturated-window gate is defined and passed.