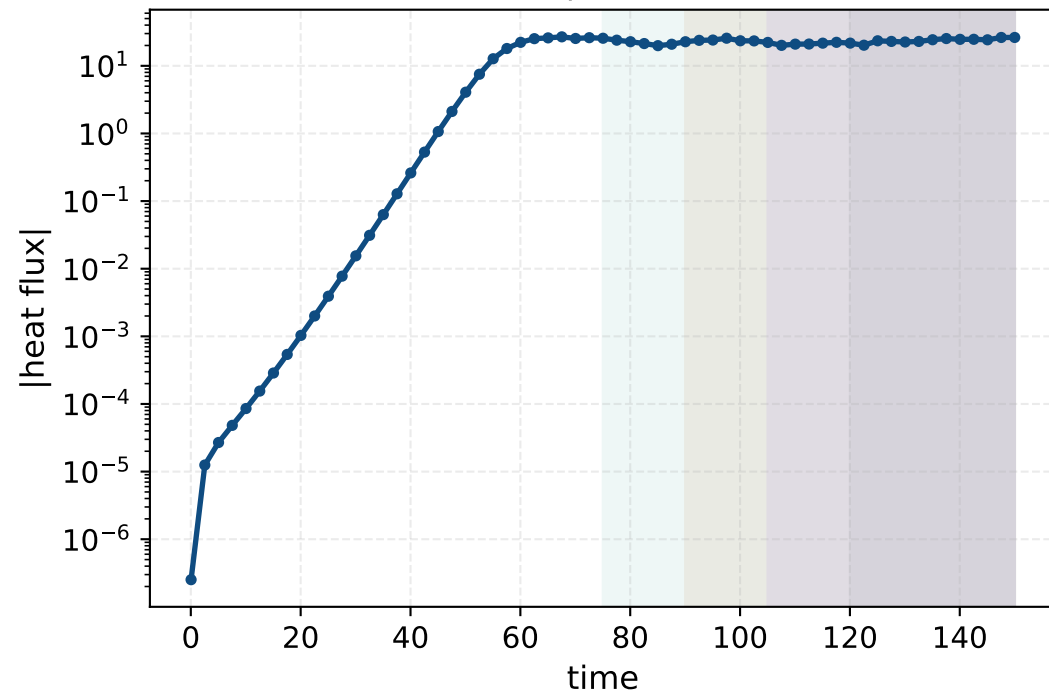
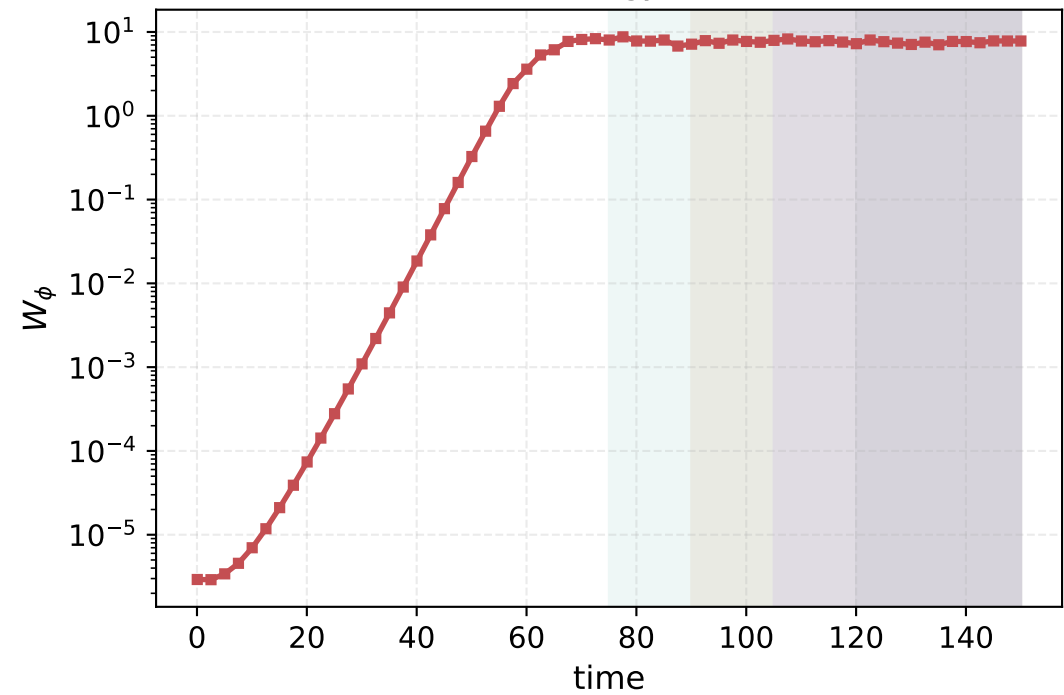


External CTH-like VMEC nonlinear pilot (not transport validation)

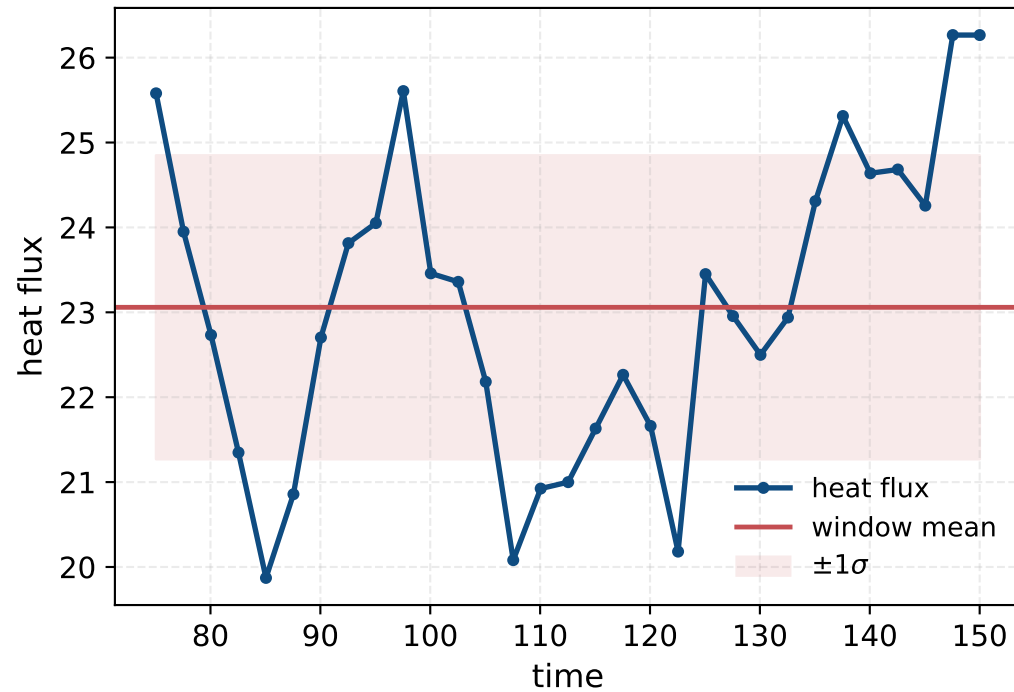
Transport trace



Field-energy trace



Least-trending window starts at $t=75.05$



CTH-like external VMEC, $N_x=N_y=32$, $N_z=24$, $t=150$
 claim: finite_long_nonlinear_feasibility_not_transport_validation
 samples: 61, $t=[0.05, 150]$
 final heat flux: 26.27
 final W_ϕ : 7.804
 least-trending window: [75, 150]
 window heat mean: 23.06
 window heat std: 1.789
 relative slope/time: 0.0012

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