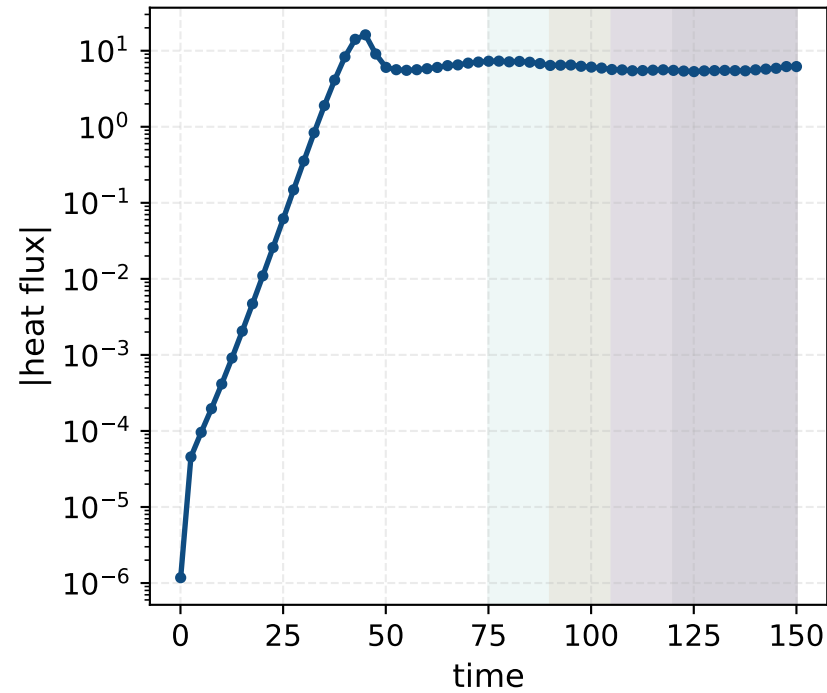
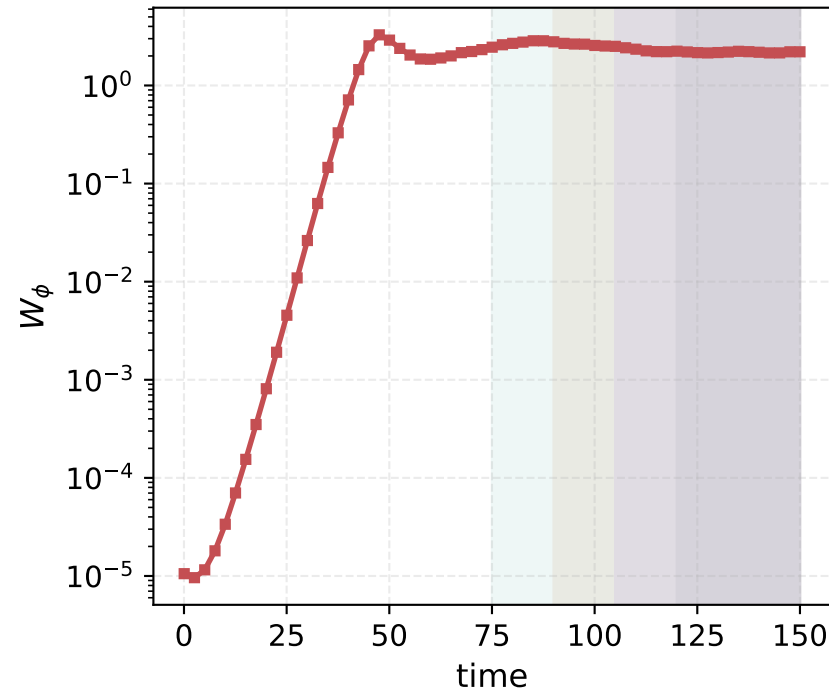


# nfp4 QH nonlinear feasibility pilot, t=150, high grid

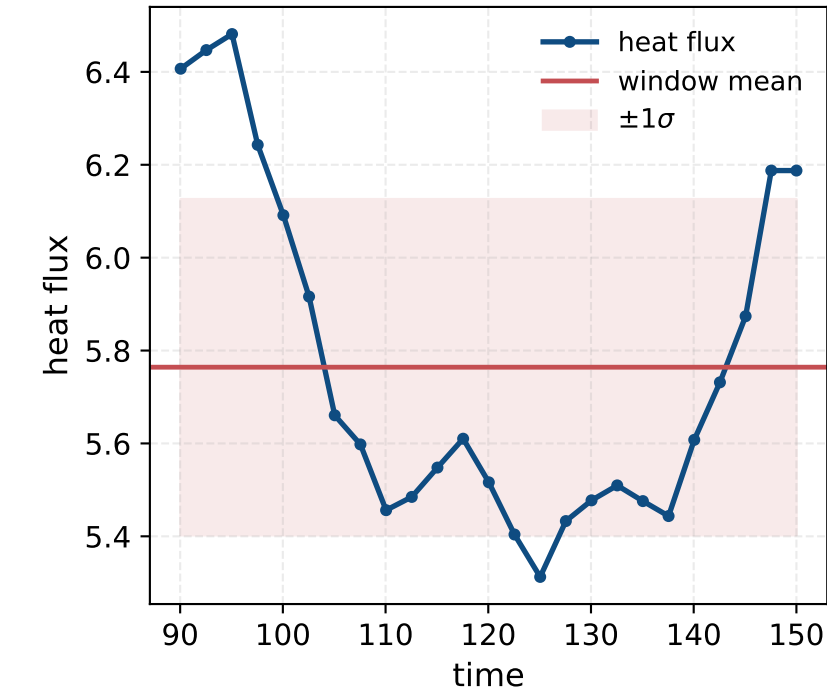
Transport trace



Field-energy trace



Least-trending window starts at t=90.05



nfp4 QH external VMEC,  $N_x=N_y=64$ ,  $N_z=40$ ,  $t=150$   
 claim: finite\_high\_grid\_long\_nonlinear\_feasibility\_not\_yet\_transport\_validation  
 samples: 61,  $t=[0.05, 150]$   
 final heat flux: 6.188  
 final  $W_\phi$ : 2.205  
 least-trending window: [90.1, 150]  
 window heat mean: 5.764  
 window heat std: 0.3616  
 relative slope/time: -0.00137

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