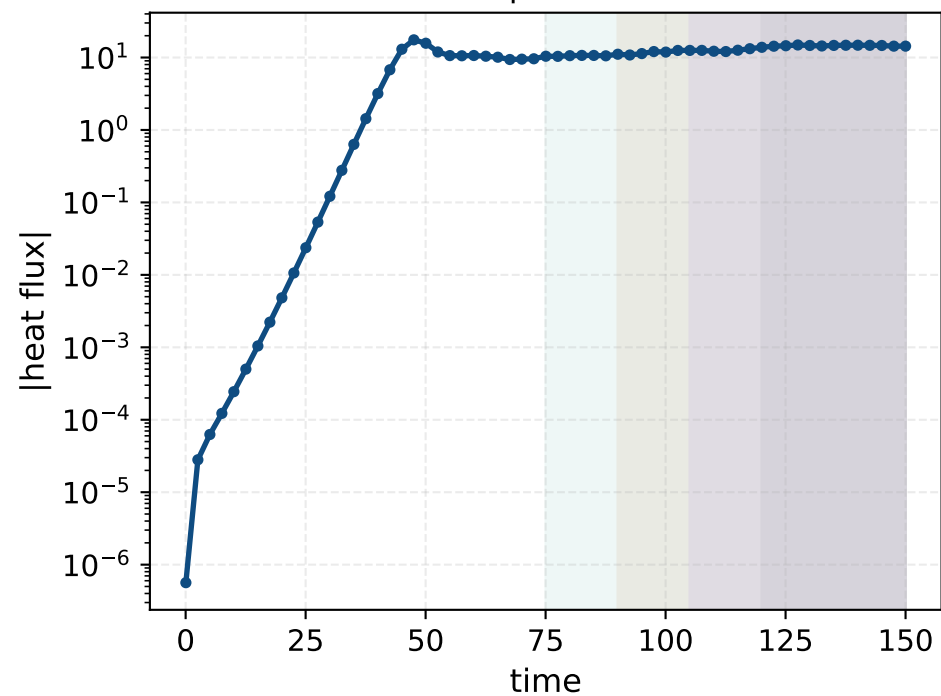
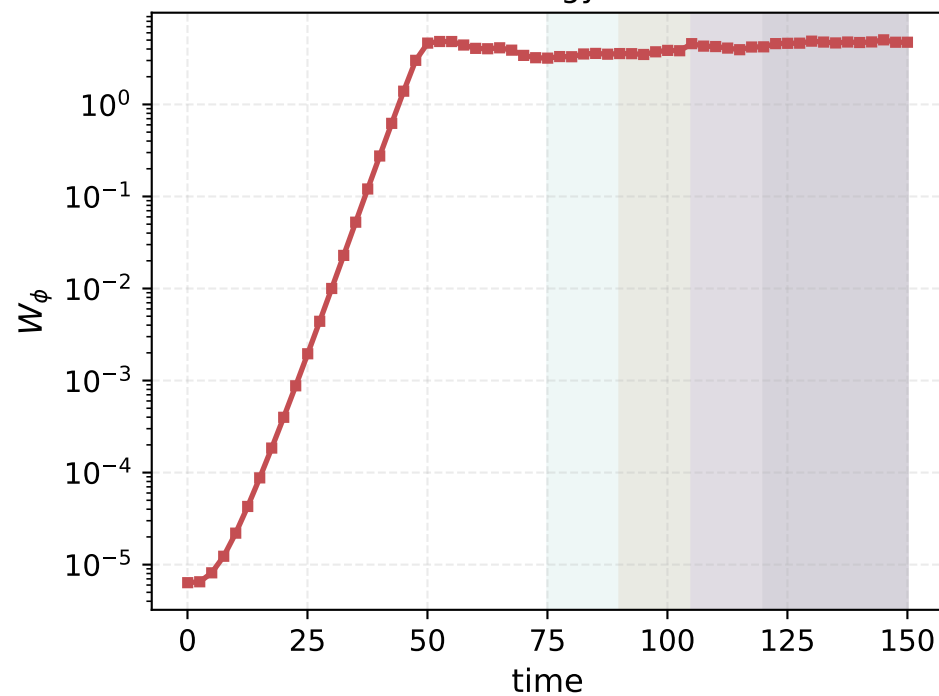


# External CTH-like VMEC nonlinear pilot, higher grid (not transport validation)

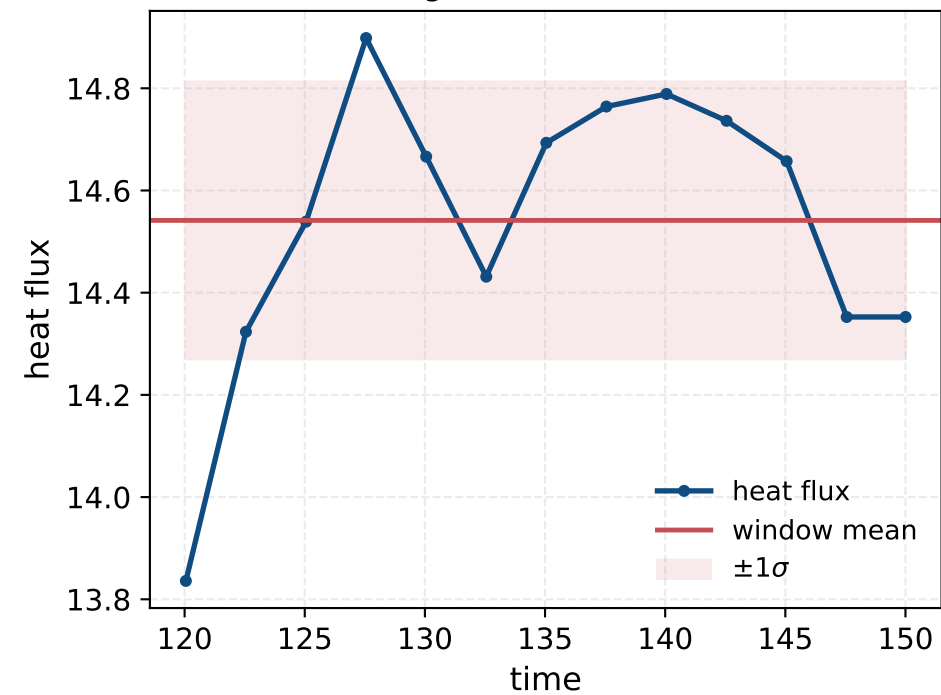
## Transport trace



## Field-energy trace



## Least-trending window starts at $t=120.05$



CTH-like external VMEC,  $N_x=N_y=48$ ,  $N_z=32$ ,  $t=150$   
 claim: `finite_higher_grid_nonlinear_feasibility_not_transport_validation`  
 samples: 61,  $t=[0.05, 150]$   
 final heat flux: 14.35  
 final  $W_\phi$ : 4.739  
 least-trending window: [120, 150]  
 window heat mean: 14.54  
 window heat std: 0.2713  
 relative slope/time: 0.000577

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