FS-LQR Robust - Beam angular displacement wrt Hub Integrator state weight: 1 25 20 15 10  $heta_{displacement}(t)[deg]$ 5 -5 -10  $\theta(t)$  Nominal Sim -15  $\theta(t)$  Black Box  $\theta(t)$ Real Lab -20 2 10 6 8

t [s]