Measuring and Extending Vertical Stabilization Controllability of KSTAR

- Summarizes multi-year KSTAR experiment under ITPA-MHD activity (MDC-18)
- The result predicts & reflects the annual passive conductor structure changes

Release-and-catch for ΔZ max shot 12805 vertical displacement [cm] 8ms off 16ms off Coil control off 20ms off 0.02 0.015 0.025 0.03 0.005 0.01 rel. time [s]

 Extension of the vertical stabilization capability demonstrated by utilizing decoupling control in the frequency domain

