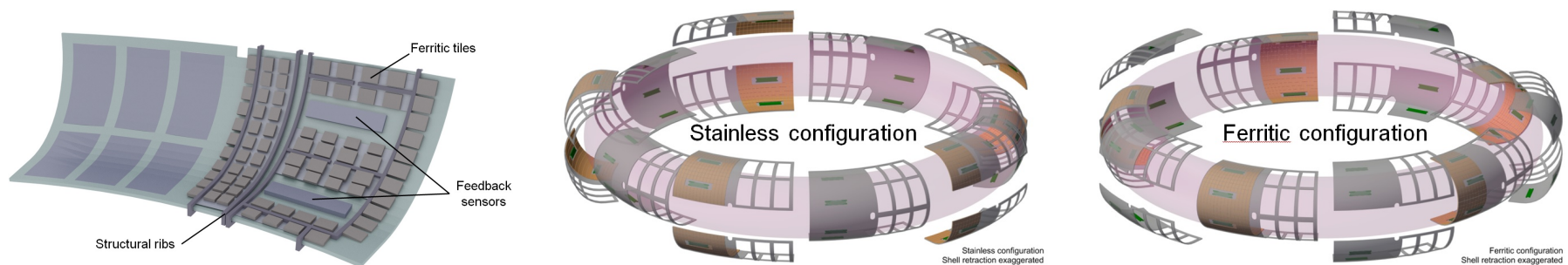


ACTIVE AND PASSIVE EXPERIMENTS TO CONTROL THE HELICAL BOUNDARY OF WALL-STABILIZED HBT-EP TOKAMAK PLASMAS

- Ferritic Steels are candidate material for DEMO and, while saturated at $B_T \sim 5$ Tesla, retain residual magnetic permeability $\mu \sim 3$ to $8 \mu_0$
- Systematic study of ferritic wall segments on $n=1$ kink mode activity:



- Plasma response to applied RMP was about 50% larger and more disruptive with a nearby ferritic boundary ($r/a \sim 1.1$):

