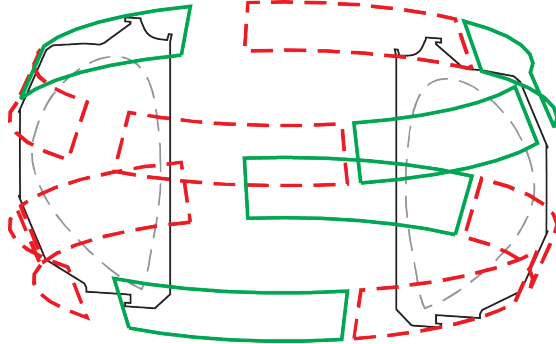


DIII-D Experiments Confirm ITER Prediction that ELM Control Possible with Reduced Coil Set

D.M. Orlov, et al. EX/P2-21

- RMP ELM suppression was demonstrated with a reduced perturbation coil set on DIII-D**

- Robust ELM suppression achieved with as few as 5 (out of 12) I-coils



- Good plasma confinement, controlled plasma density maintained
- Perturbation coil current needed for ELM suppression similar for $N_{\text{coils}} > 7$
 - Suggests toroidal spectral sidebands may assist in achieving ELM suppression

