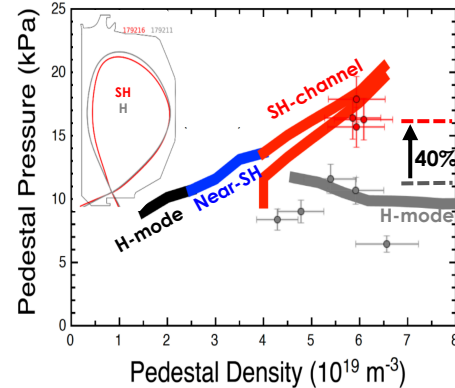
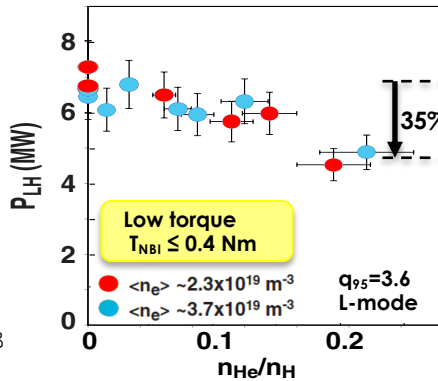
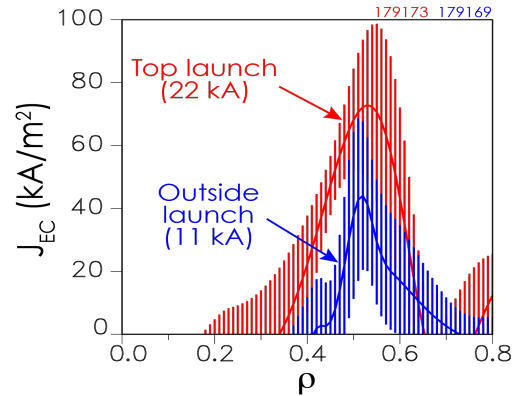


DIII-D Research Advances the Physics Basis for Optimizing Future Fusion Reactors



- 2X higher mid-radius ECCD with near vertical top launch **Xi Chen, EX-1**
- P_{LH} in H_2 (eg. ITER PFPO-1) reduced up to 35% with He-doping **L. Schmitz, P-1**
- SH-mode in ITER-like shape projects to 50% p_e^{ped} increase for ITER **Wilks EX-2**
- Unique divertor measurements validate models for ITER predictions **McLean, P-1**
- **Casali, P-1**
- **T. Abrams, P-1**

Develop integrated core-edge solutions and physics basis to project future reactors