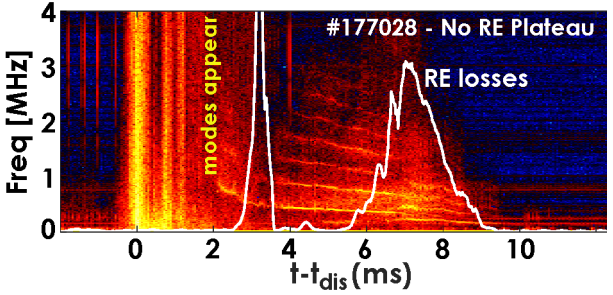
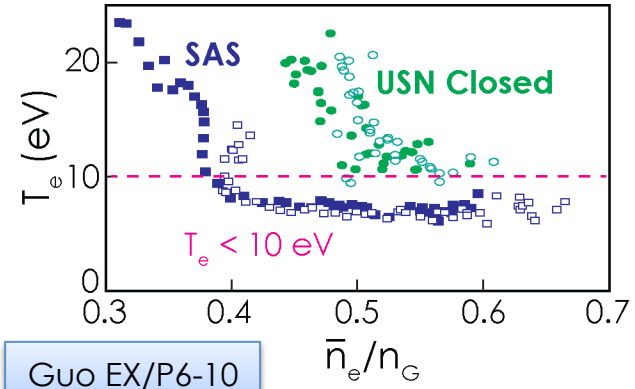
DIII-D Research is Advancing the Scientific Basis for Attractive Tokamak-Based Fusion Energy Development

- **Kinetic instabilities may prevent runaway electron plateau formation**
  - Disruption mitigation solution for ITER



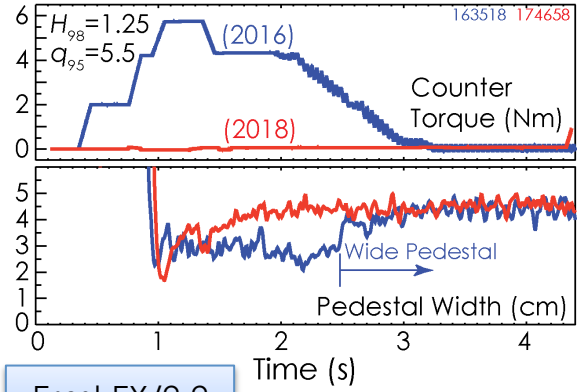
Paz-Soldan EX/6-1

- **SAS divertor gives low T_e at low core density**
  - Core-edge compatible heat exhaust solution



Guo EX/P6-10

- **Wide-pedestal QH-mode with zero torque startup**
  - ELM-stable, low ν_* scenario for ITER



Ernst EX/2-2

- **Super H-mode with $Q_{DT,eq}$≈0.45 – strong basis for maximizing performance in future devices**

Snyder EX/2-4