
Substantial Progress Made on XP 619

- XP to explore the passive stability physics of the RWM
 - parametric dependencies of dissipation mechanism(s)
- scan Alfvén speed and ion collisionality at constant q
 - use $n=3$ braking to induce RWM
- scans performed at two q values - 7 conditions total
 - $0.7 \text{ MA} < I_p < 1.1 \text{ MA}$ $0.35 \text{ T} < B_{TF} < 0.55 \text{ T}$
 - able to vary v_A by $\sim 65\%$
 - nearly an order of magnitude variation in v_{ii}
- more shots desirable
 - adjust rotation braking - some shots brake too fast
 - expand v_A range & more even spread in parameters
 - adjust shape, density - increase β_N , eliminate $n=1$

Good Ω_{crit} Data Obtained for Several Conditions

- Variations in Ω_{crit} expected with varying dissipation
 - Slower mode onset allows for better determination

