

Transport of fast ions during avalanches in NSTX

- GAE avalanches
 - Triggering TAE avalanches
 - Doppler-shifted cyclotron resonance condition; overlap from multiple modes
 - Mode amplitudes relative to stochastic heating, electron transport thresholds
- TAE avalanches
 - 15% drop in neutron rate
 - losses modeled with TRANSP/NOVA/ORBIT
- ELM avalanches
 - sFLIP fast ion losses