

- ELM suppression with B powder injection
 - Alter edge stability toward ELM-stable or small ELM regimes
 - Observed over a wide range of operation conditions
 - Suppression occurs when a threshold in B injection rate is crossed
 - Onset and saturation of mode - mode akin to GAM
 - Multiple harmonics ~ 2-5 kHz fundamental
 - Localized near separatrix and drives particle transport
- Initial modeling of the boron powder induced of edge mode using neoclassical XGCa
 - Observed frequencies in the pedestal are consistent with GAM
 - Continuous injection of powder can lead to multiple harmonics modes as observed ion experiments
 - While the $n=1$ mode can be excited using continuous powder injection, coupling to $n=0$ is unclear
- Future work: extension of simulation coupling boron ablation and turbulence in XGC