# Status of analysis for XP608

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# Goal: find quiescent plasma

- Toroidal field scan scan in V<sub>fast</sub>/V<sub>Alfvén</sub>
- Density scan  $V_{fast}/V_{Alfvén}$  and  $\beta_{fast}$ .
- Power scan  $\beta_{\text{fast.}}$
- Beam voltage for source C (58 to 61 kV) source B was less reliable (63 - 79 kV, average 66 kV).



## Shots 121212 - 5 quiescent: documented condition



#### Beam-on issues

- Source A turn-on transients were much worse on this day than normal (even after loss of calorimeter).
- Documentation of q-profile evolution somewhat problematic, but a good test case



# Summary

- Parameters required for quiescent plasmas identified?
- Time required to optimize quiescent plasmas.
- Need to develop transient MSE measurement technique