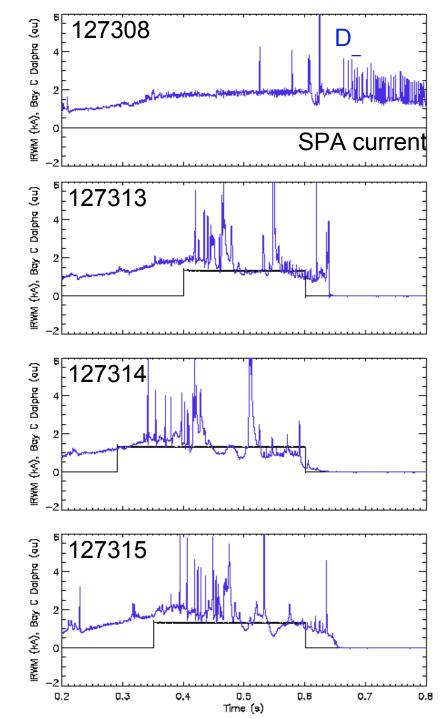
XP809: ELM Destabilization by RMP

- Reference discharge without RMP had a long ELM-free phase (up to 0.5s)
- ELMs follow the RMP timing
 - ELMs start ~20-50 ms after SPA switched on
 - 314: SPA and src C come on at same time



SPA switch-off during discharge

- Reduced duration of SPA pulse to avoid locking
 - Plasma recovers (rotation, stored energy) between
 - ELMs go away, then return with 2nd pulse
- Plasma returns to ELM-free state when RMP is removed
 - After both SPA pulses in 317, and also with no RMP in 318
 - Effect not due to changing wall conditions – too fast
 - Dalpha does rise before 1st ELM when RMP is applied

