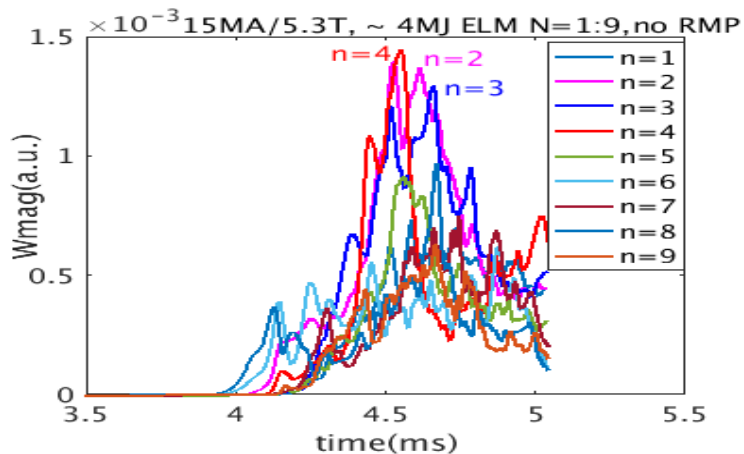
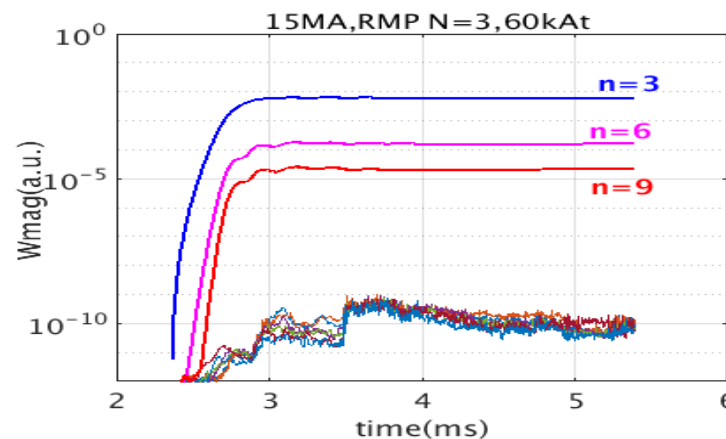


JOEUK model for ELMs/RMPs: non-lin resistive MHD, bi-fluid diamagnetic effects, $T_e=T_i$, toroidal rotation, neo poloidal friction, grid to ITER wall, fixed boundary, self-consistent bootstrap, multi-harmonics, realistic RMP coils.

15MA/5.3T, 4MJ ELM w/o RMP



15MA/5.3T, ELMs suppression by RMPs, 60kAt (threshold >45kAt). No ELMs with RMPs.



3 rows x 9 RMP coils in ITER, max Icoil=90kAt

