ELM suppression with low $n$ RMP in RF dominant heating plasmas in EAST (EX/P7-4)

Full ELM suppression was accessed using low $n$ RMP in low rotating plasma with RF dominant heating in EAST.

Linear plasma response determines the best spectrum for ELM suppression.

Nonlinear plasma response suggests that a critical level of magnetic topological change taking into account plasma response plays a key role in accessing final ELM suppression.