

HHFW Conditioning - XMP026



- First day:
 - Start with helium, $B_T = 5.5$ kg, $I_p = 900$ kA (for better confinement in edge)
 - Condition to ≥ 1.5 MW
 - Phases 180° or -150° (pure spectrum) and -90°
 - Apply NB source A at 90 kV at end of RF pulse for MSE and CHERS
 - Apply NB source B at 70 kV (20 msec) during the RF pulse for CHERS
 - Note behavior as a function of RF power as conditioning progresses (e.g., V_ϕ and loading vs P_{RF})
 - Repeat with deuterium

- Second day:
 - Start with helium, $B_T = 5.5$ kg, $I_p = 900$ kA
 - Condition to ≥ 2 MW for 180° or -150° (pure spectrum) and -90°
 - Repeat with deuterium
 - Condition in H mode in deuterium
 - Add long pulse NB to obtain H mode at minimum power possible to permit as small a gap as possible
 - Source A at 90 kV to obtain H mode followed by source B at 70 kV to sustain it