

Plasma Start-up and Ramp-up - Chapter Revisions

- 8.2.2: Demonstrate non-inductive current ramp-up
 - Added new introductory paragraph (first paragraph) that explains what NSTX-U can do in this important area. All new additions are shown in Red Letters.
 - Added a second paragraph to say when induction, CHI, EBW and Plasma Guns will be used.
- 8.3: Research Plan
 - For YR2 (Ramp-up inductively generated plasma) added another statement to expand its goals: “Discharges with both low and high internal inductance will be used as seed current targets.”
 - For YR3 (Couple CHI to NBI) added another sentence: Results obtained with ramp-up of inductively generated plasmas will determine the level of effort devoted to ramping up purely CHI generated discharges vs. additional experiments that continue to improve on inductively generated discharges.
- Section 8.6.4 (Assess ramp-up of inductive plasma)
 - Expanded to be consistent with above notes.
- 8.10 Summary
 - Added new first paragraph to explain how ramp-up using inductive plasmas fits in with the overall NSTX-U/ST FNSF current ramp-up objectives.