

Status of MS chapter

- Intro
 - too much NCC detail now? Move to Thrust 2 NCC section.
- Thrust 1:
 - Steve is cleaning up dates in timelines, etc...
- Thrust 2:
 - Jong-Kyu and Steve are working on combining NTV sections
 - Jong-Kyu is updating NCC sections, based on PAC recommendations (next slide)
- Thrust 3:
 - Halo current part well received by PAC. Stefan's writing is finished.
 - MGI part well received, will be highlighted. Writing finished, but Roger may update.
- Code description:
 - Need to add XGC0?

MS response and action to PAC33

- PAC33-7: Cross-TSG application of NCC

Possibly add or revise rotation-shear control vs. ITG/ETG stabilization (TT), 3D field vs. TAE/GAE modification (EP), RMP control (BP), $n=0$ (ASC)

- PAC33-14: Uniqueness of NCC in NSTX-U compared to other machines

Summarize other 3D coils (DIII-D, ASDEX-U, KSTAR, MAST, JET, ITER), and emphasize 3D field applications on low-aspect-ratio and snowflake interactions in NCC introduction

- PAC33-15: Role of resonant field and utilization of other codes on rotation

Add POCA and its finding on resonant NTV in Thrust 2, and future applications of M3D-C1 and XGC0 (go back to our list of theory support)

- PAC33-16: Figure-of-merit other than NTV

Clearly define FOMs and rationales (e. g. keep NTV/Chirikov, but attach pitch-alignment drawing)

- PAC33-17: NCC utilization on ELM pacing and use of other non-linear codes

Include 3D ballooning stability analysis (done by Canik) in MS chapter

- PAC33-38, 33-39: *can be addressed by PAC33-14 response by adding our international contributions on DIII-D, KSTAR, ITER*