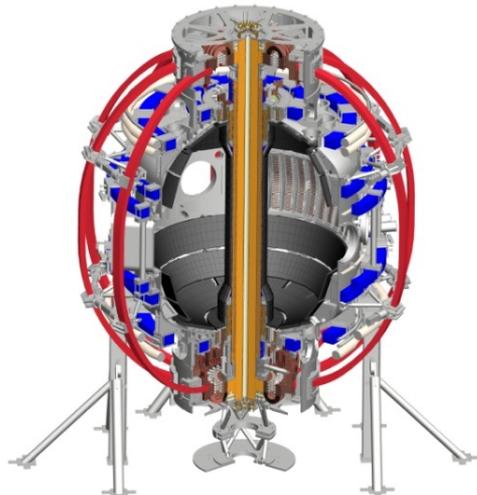


NSTX-U 5 year plan status for Macroscopic Stability (MS)

J. W. Berkery (Columbia University)
Jong-Kyu Park (PPPL)

B318, PPPL
December 17, 2012

Coll of Wm & Mary
 Columbia U
 CompX
 General Atomics
 FIU
 INL
 Johns Hopkins U
 LANL
 LLNL
 Lodestar
 MIT
 Lehigh U
 Nova Photonics
 ORNL
 PPPL
 Princeton U
 Purdue U
 SNL
 Think Tank, Inc.
 UC Davis
 UC Irvine
 UCLA
 UCSD
 U Colorado
 U Illinois
 U Maryland
 U Rochester
 U Tennessee
 U Tulsa
 U Washington
 U Wisconsin
 X Science LLC



Culham Sci Ctr
 York U
 Chubu U
 Fukui U
 Hiroshima U
 Hyogo U
 Kyoto U
 Kyushu U
 Kyushu Tokai U
 NIFS
 Niigata U
 U Tokyo
 JAEA
 Inst for Nucl Res, Kiev
 Ioffe Inst
 TRINITY
 Chonbuk Natl U
 NFRI
 KAIST
 POSTECH
 Seoul Natl U
 ASIPP
 CIEMAT
 FOM Inst DIFFER
 ENEA, Frascati
 CEA, Cadarache
 IPP, Jülich
 IPP, Garching
 ASCR, Czech Rep

MS Chapter: Progress since last meeting

- Introduction
 - Steve added overall introduction which ties all three thrusts together.
- Thrust 1: Stability
 - Steve is working on it. Changing organization from year-by-year to be consistent with other thrusts.
- Thrust 2: 3D
 - Jong-Kyu added to it, and moved relevant NCC sections into the text.
 - Steve is adding to it, NTV.
- Thrust 3: Disruption
 - Steve is adding to it.
- Theory / codes
 - Finished code descriptions and linked to them throughout the text.
- Diagnostics
 - Eliminated this section and moved pieces elsewhere – sent material to Masa.
 - Contacted Luis and Jill about writing their pieces for Masa – CXIS and mag. fluctuations
- NCC
 - Moved motivation and design to chapter intro. Moved other pieces into the text. What about the ELM part? Suggested that John Canik and Ahmed can use it in Boundary.
 - Need to provide a hardware part to Masa.