

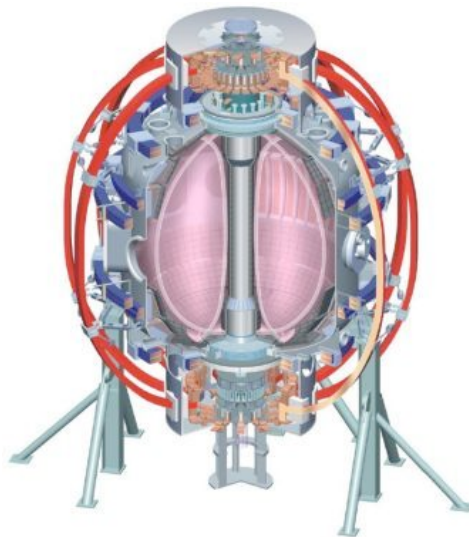
XP 956 – Effect of rev. Bt on heat flux profiles

R. Maingi,



**NSTX Results Review
Princeton, NJ
Sept. 15-16, 2009**

College W&M
Colorado Sch Mines
Columbia U
CompX
General Atomics
INEL
Johns Hopkins U
LANL
LLNL
Lodestar
MIT
Nova Photonics
New York U
Old Dominion U
ORNL
PPPL
PSI
Princeton U
Purdue U
SNL
Think Tank, Inc.
UC Davis
UC Irvine
UCLA
UCSD
U Colorado
U Illinois
U Maryland
U Rochester
U Washington
U Wisconsin

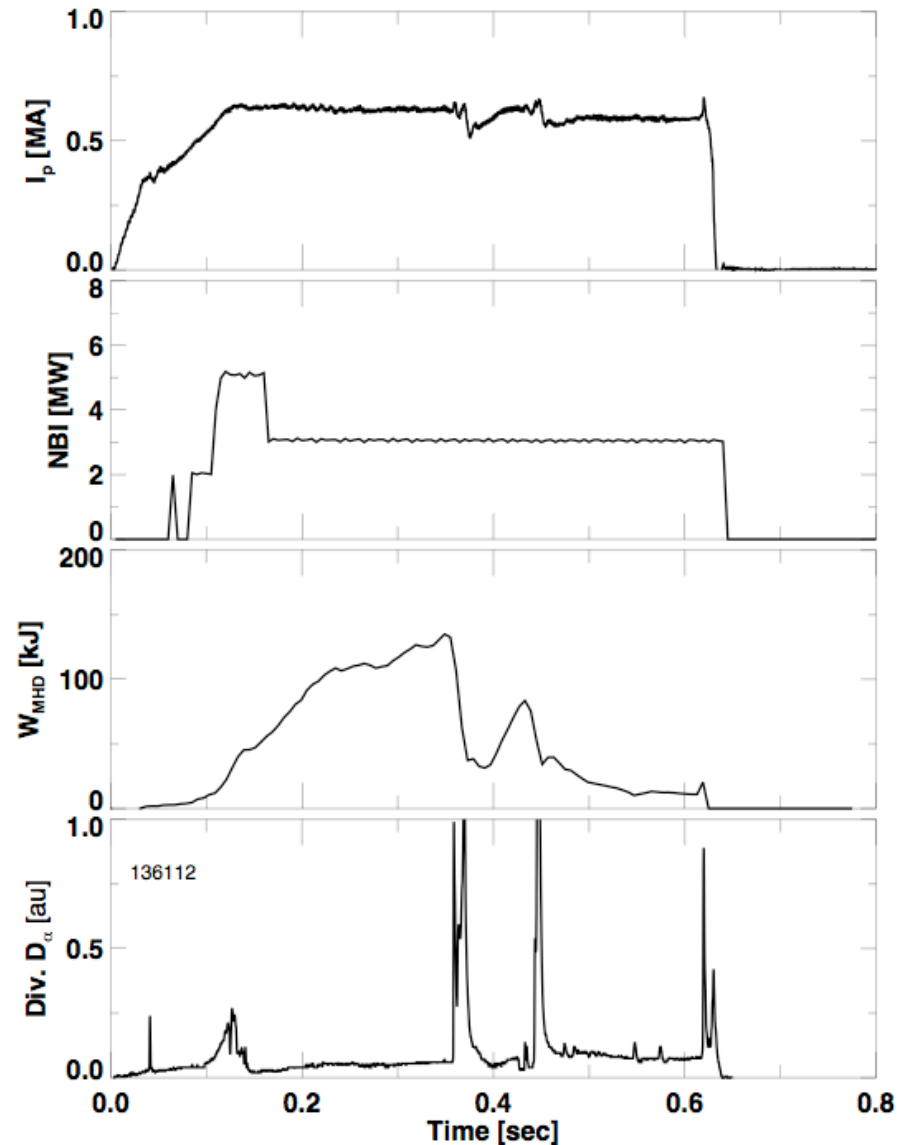
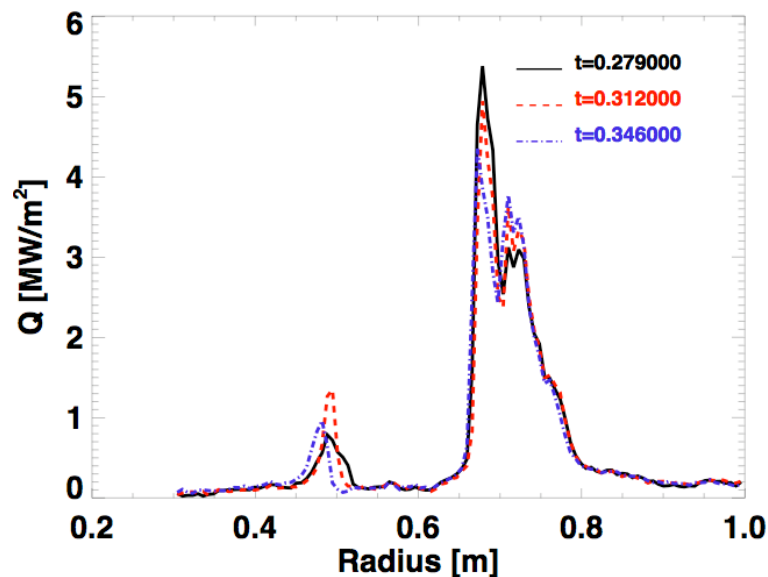


Culham Sci Ctr
U St. Andrews
York U
Chubu U
Fukui U
Hiroshima U
Hyogo U
Kyoto U
Kyushu U
Kyushu Tokai U
NIFS
Niigata U
U Tokyo
JAEA
Hebrew U
Ioffe Inst
RRC Kurchatov Inst
TRINITY
KBSI
KAIST
POSTECH
ASIPP
ENEA, Frascati
CEA, Cadarache
IPP, Jülich
IPP, Garching
ASCR, Czech Rep
U Quebec

XP923: Edge T & T and in NSTX reversed B_t discharges



- Obtained I_p and P_{NBI} scan in reversed B_t discharges at low δ to characterize in/out heat flux profiles
 - Inner heat flux peaked; divertor attached
 - Needs SOLPS analysis



With normal B_t , q_{out} (q_{in}) profile is peaked (diffuse), indicating attachment (detachment)

- From XP 942: $\delta=0.4$, (no pf1a used)

