

Boron/Lithium start-up

What does Boron with no Li get us?

- Potential benefits from no Li
 - HHFW Li issues resolved
 - ELMing H-Mode easier to achieve
 - Density control
 - Li comparison redux
 - ELM, pedestal, snowflake divertor, impurity source and density control studies
- Potential down-side to boron
 - Will coat Mo with C/B
 - Will consume run time to condition first
 - May require time to remove B/C layer

Unknowns

- Will Boron hamper Li performance later
- Equivalent ELMy discharges w/o Boron
- How much time for boron phase
- Will low levels of Li permit good performance while allowing HHFW to work
- CHI less C and O is good
- Schedule impact