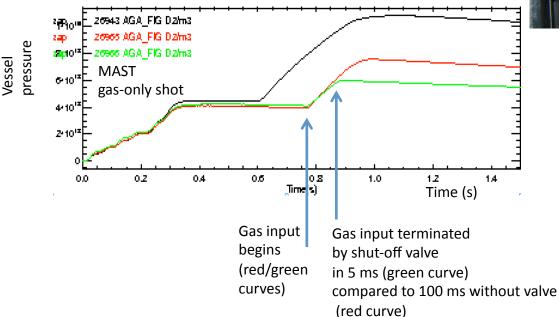
High Field Side Gas Injection shut-off valve

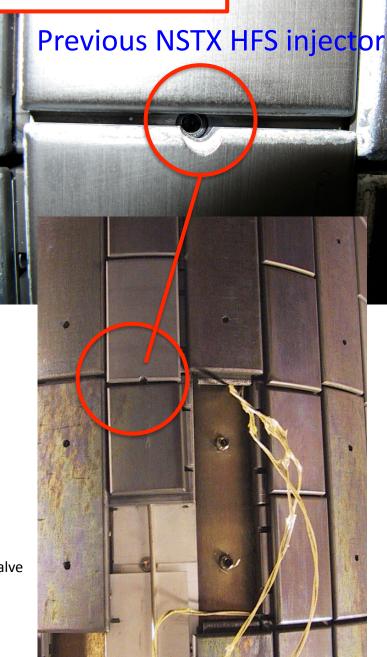
Charles Skinner

- Previous High Field Side Gas Injection had no shut-off valve complicating density control.
- Upgrade CS will have more available space.
- Propose shut-off valve actuated by in-pipe wire.
- MAST experience: (Geof Cunningham).



(The black curve was recorded the previous day prior to some mechanical adjustments)





Shut-off valve initial conceptual design

