

Plasma Fuelling with TMB

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NSTX RESEARCH FORUM SEPTEMBER, 2001



RESEARCH FORUM 9/02

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Feasibility Studies of Trimethylboron (TMB) Injection into Ohmic and NBI Discharges Completed

Ohmic Discharges

- Yelded x2 decrease in central radiation after TMB.
- The subsequent post-TMB, LSN, 900 kA, 1.5 MW, NBI fiducial discharge exhibited a transition into the H-mode.
- Edge fueling with TMB did not increase B V and C VI.
- Neutral Beam Discharges
 - High Te during NBI



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TMB Next Step



1) Condition surfaces with extensive He Discharge Conditioning

- 2) Perform B coating sweeps of wetted surfaces (painting)
- 3) Measure window deposition

-to allow opening shutters for low-Z mantle experiments

