





XP529: The Dependence of Pedestal Structure on Aspect Ratio

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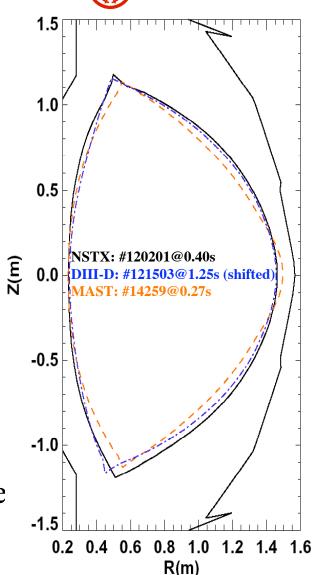




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Summary of NSTX part of XP 529 (4/25/06)

- Desired: DIII-D and MAST shapes for two different pedestal electron collisionality (0.5, 1)
- Result: Obtained a reasonable shape match to the DIII-D shape
- Result: Performed a power scan to assess edge B limit, w/SGI for fueling
- Result: Obtained a low collisionality comparison at medium NBI level by using He conditioning discharge
- Finding: lower density/fueling discharge was ELM-free -> higher edge β limit



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