



Recent progress towards a quantitative description of filamentary SOL transport

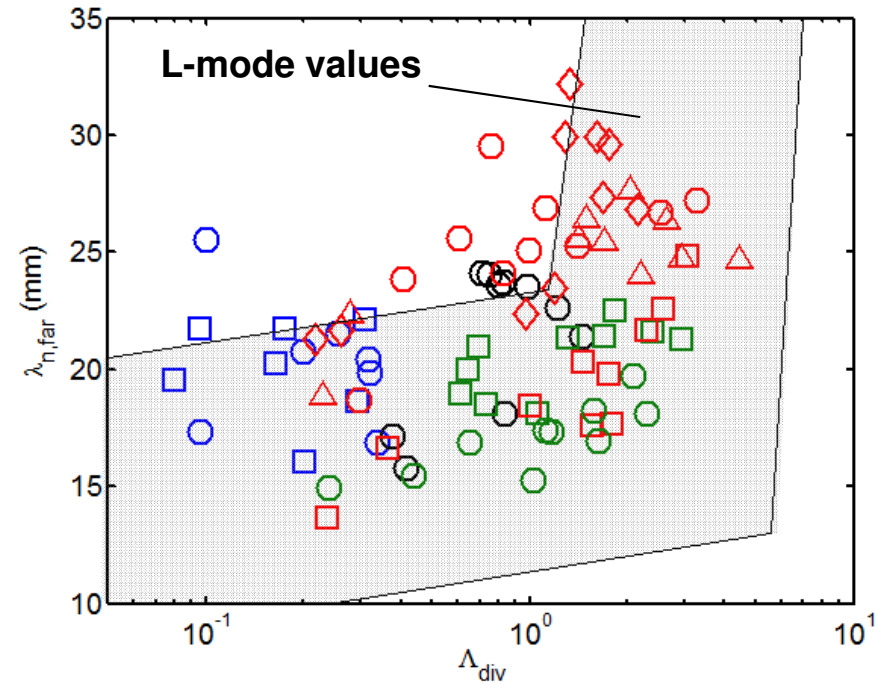
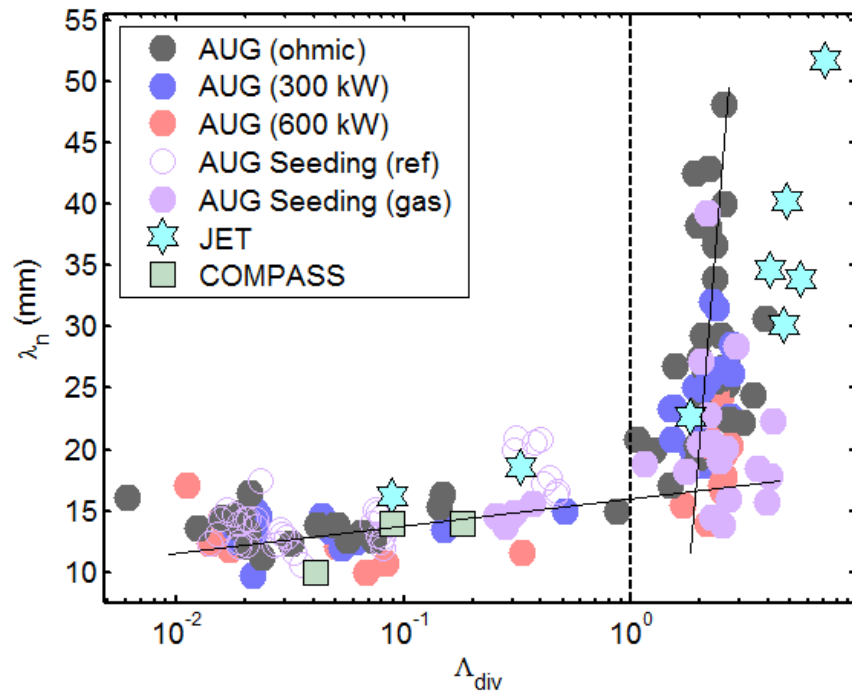
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Recent results on Filamentary SOL transport



Main experimental results:

- Divertor collisionality Λ_{div} determines L-mode shoulder formation at the COMPASS-AUG-JET ITER stepladder.
- A similar mechanism has been observed for H-mode discharges in AUG.
- Shoulder formation coincides with a filament regime transition associated with disconnection from the wall.
- L-mode shoulder formation leads to a strong reduction on T_i across the SOL.