

Suppressing Electron Turbulence and Triggering Internal Transport Barriers with Reversed Magnetic Shear in the National Spherical Torus Experiment

- Luc Peterson -

- Key Points

- Review XP Results of e-ITB formation: $\hat{s} < 0$
 - Linear GK cannot explain barriers
 - Nonlinear local GK simulations show strong up-shift of critical gradient from magnetic shear
 - Nonlinear global GK simulations show a barrier
 - Simulations support observed importance of $\hat{s} < 0$
- Would like to discuss xp transport levels in shot 129354
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Shameless Plug: Dissertation Defense October 21 (24 days?!)