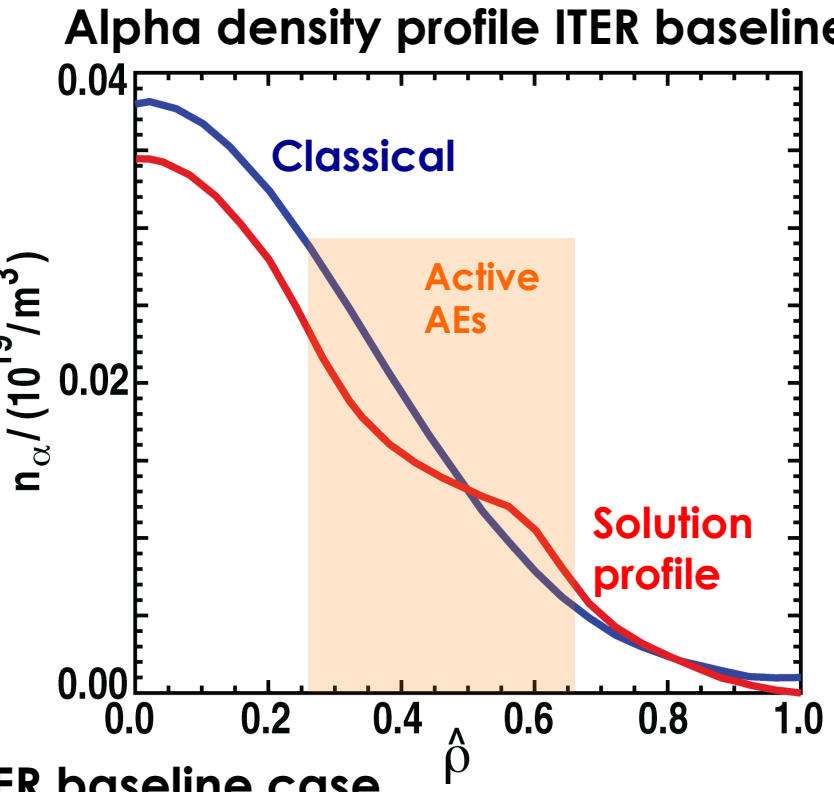
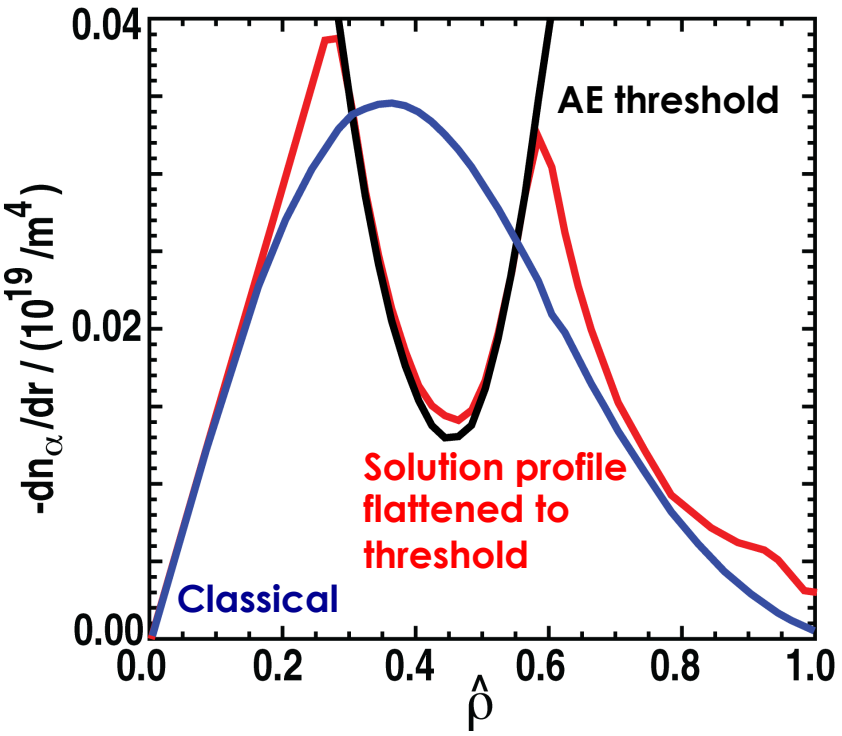
Stiff Alfvén Eigenmode (AE) Transport Predicts Only Mid-core Re-distribution of ITER Alphas

TH/P3-42





ITER baseline case

- AEs operate only in mid-core.
- Edge alpha flows are controlled by non-AE processes. Microturbulence gives 7% fusion alpha loss carrying 0.1% of fusion alpha energy

- GYRO-calculated AE thresholds give the limiting critical gradient