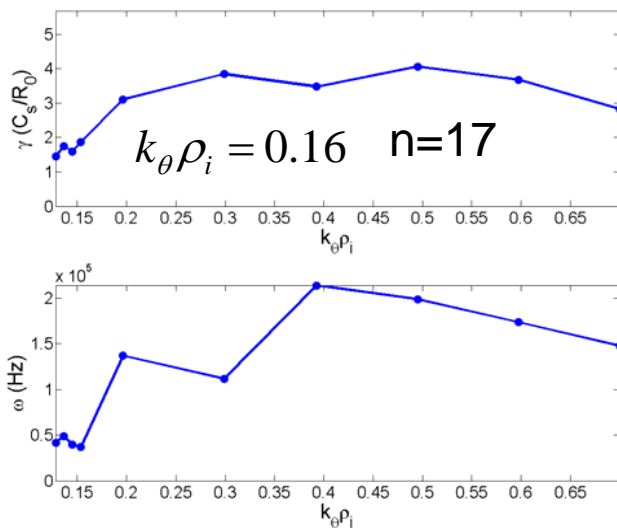
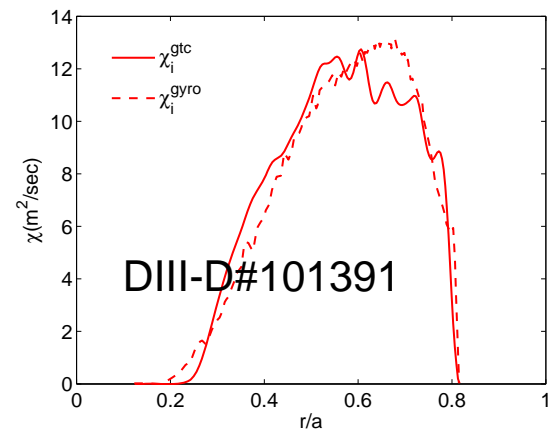


Gyrokinetic simulation of microturbulence in EAST tokamak and DIII-D tokamak (Poster TH/P2-44)

- The new capabilities in the gyrokinetic simulation code GTC enable it to simulate the turbulent transport in real tokamak experiments
- Nonlinear gyrokinetic simulation for DIII-D discharge #101391 shows that radial profile of heat diffusivity simulated by GTC is highly consistent with that by GYRO
- Linear gyrokinetic simulation with collisional kinetic electrons is performed for EAST discharge #38300
- Linear eigenmode frequency from GTC simulation is $\sim 39\text{kHz}$, very close to experimental value $\sim 30\text{kHz}$



EAST#38300

