

# NBI+Intrinsic Torques Projects Modest Rotation in ITER; Details of Rotation Profile Matter and Can Be Captured by GK Simulations

- **Intrinsic torque larger in ITER than present machines and projects**  
 $\tau_{\text{int.}} \approx \tau_{\text{NBI}}$ , doubling torque from NBI alone
  - Total torque  $\approx 78 \text{ N}\cdot\text{m}$ ,  
 $\langle \Omega \rangle \approx 12 \text{ krad/s}$
- **Successful capture of hollow main-ion intrinsic rotation advances predictive capability**
  - Residual stress + diffusion from ITG turbulence causes hollow profile

