Physics behind role of electron heating in avoiding W accumulation is further clarified

- Electron heating increases W turbulent diffusion to offset neoclassical convection
- Nonlinear GK simulations find W diffusion is maximum when $Q_e \approx 1.5 Q_i$
- In AUG, W peaking factor decreases with increasing electron heating fraction
- At high ECH power, hollow core W densities in the presence of MHD (1,1) modes
- Combined JET and AUG analysis leads to the expectation that neoclassical transport is reduced in a reactor plasma

\[ D_W / (R Q_{tot} / S n_e T_i) \]

\[ n_W(r/a = 0.05) / n_W(r/a = 0.40) \]

Angioni et al TH / P2-6