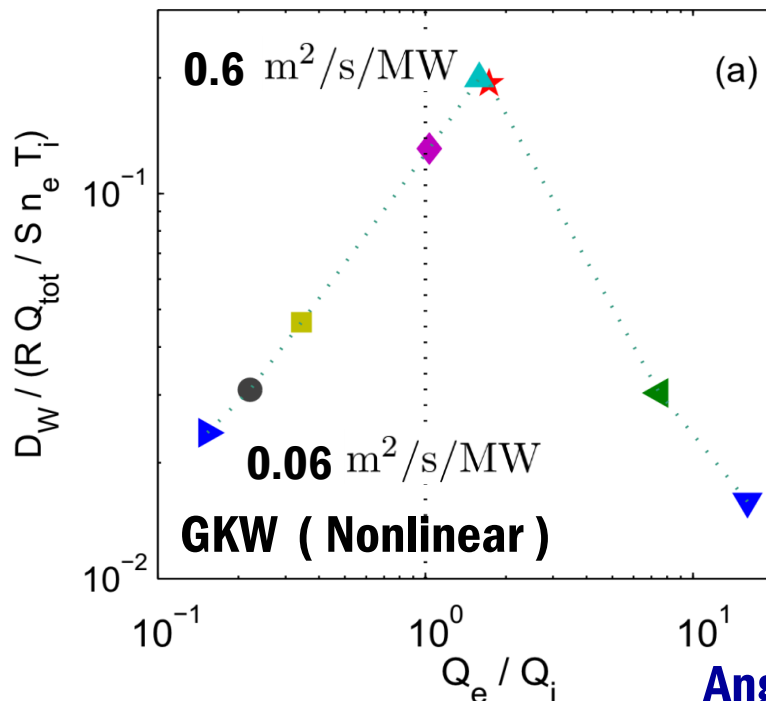


# Physics behind role of electron heating in avoiding W accumulation is further clarified



- 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



Angioni et al TH / P2-6

