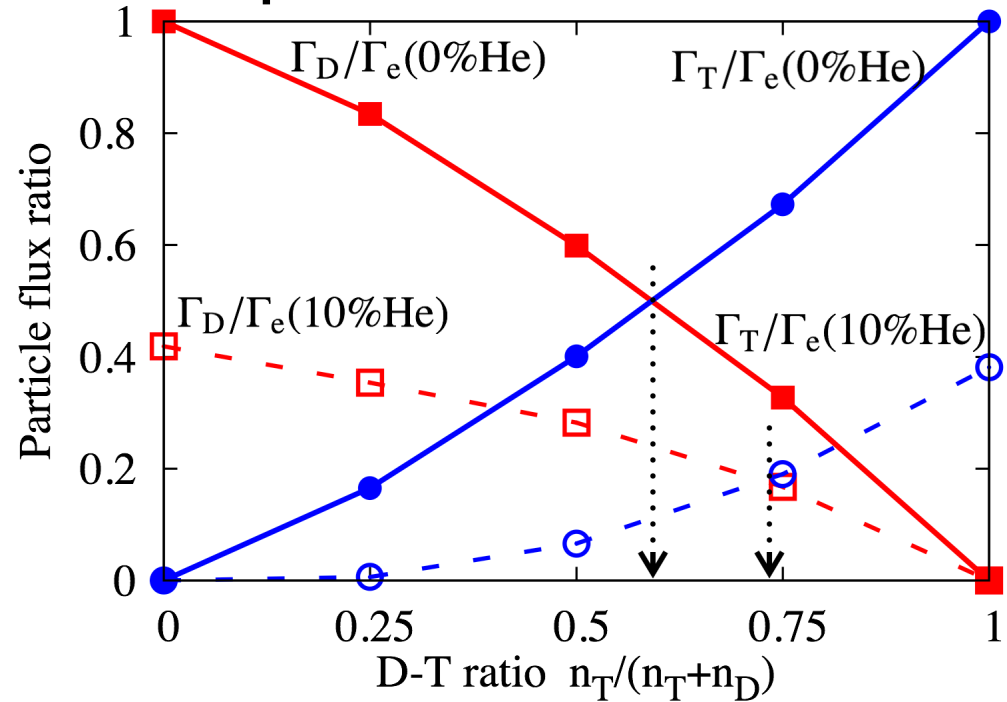


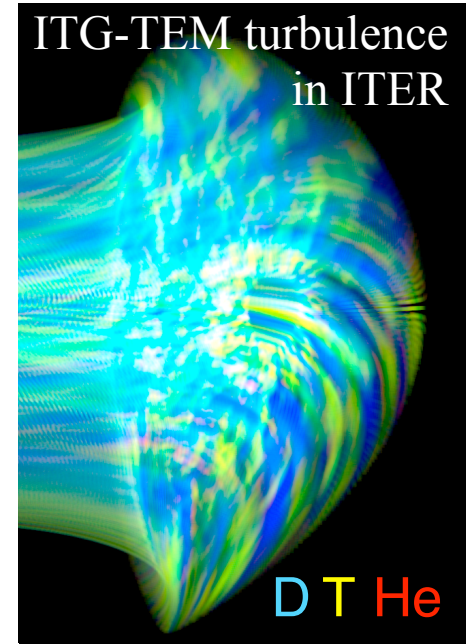
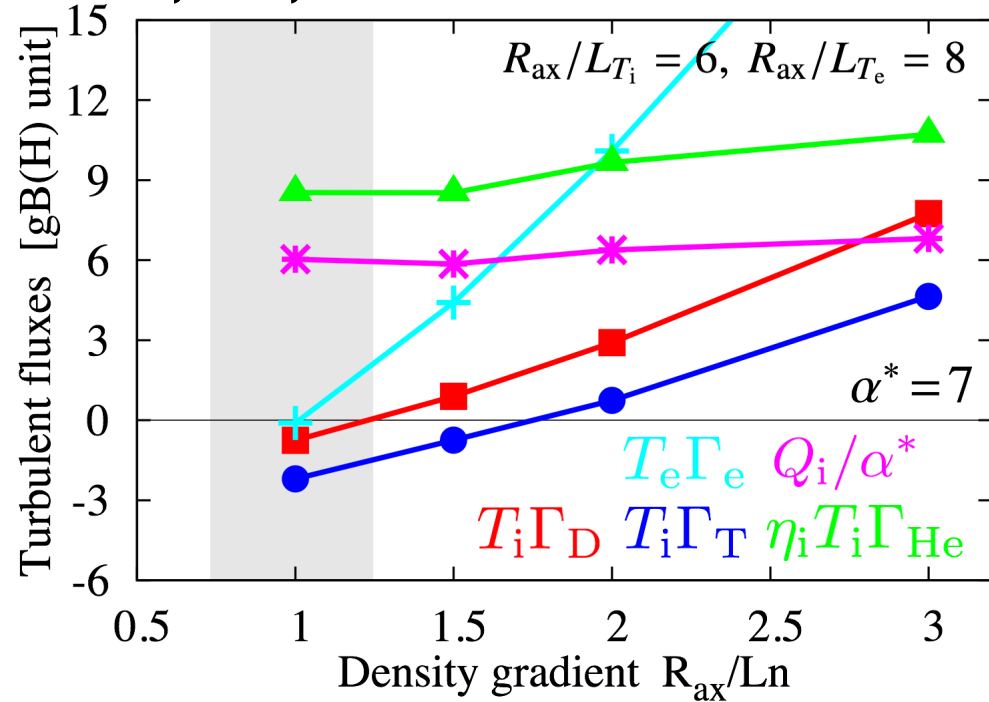
Multi-species ITG-TEM driven turbulent transport of D-T ions and He-ash in ITER burning plasmas : TH/P2-2

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D-T fuel ratio & He-ash accum. dependence of D- and T-fluxes



Profile gradient dependence of D-, T-, He-, e-fluxes and heat fluxes



Multi-species ITG-TEM turbulence sim. for ITER D-T-He plasma are carried out by GKV, then we found

- (i) imbalanced D-T particle transport strongly influenced by He-ash accumulations.
- (ii) several profile regimes satisfying Reiter's steady burning condition: $\tau_{He} < \alpha^* \tau_E$.