Recent Progress in Understanding Divertor Heat Flux in DIII-D RMP ELM Suppression Discharges Is Encouraging for ITER

D. M. Orlov, et al. EX/P6-17

- Lack of divertor heat flux striations at inner strike point is compatible with tightly baffled ITER divertor
 - Increased volumetric carbon radiation in the inner divertor reduces peak, fills in valleys, and smooths out heat flux striations.

- Demonstration of compatibility of **RMP ELM suppression with impurity** injection bodes well for highly radiating boundary in ITER
 - Ne and Ar injection \rightarrow 60% radiated power and $0.1 < v_e^* < 1.1$ while maintaining RMP ELM suppression



