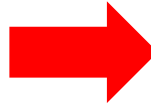


❖ WalldYN is able to reproduce local and global experimental results in JET:

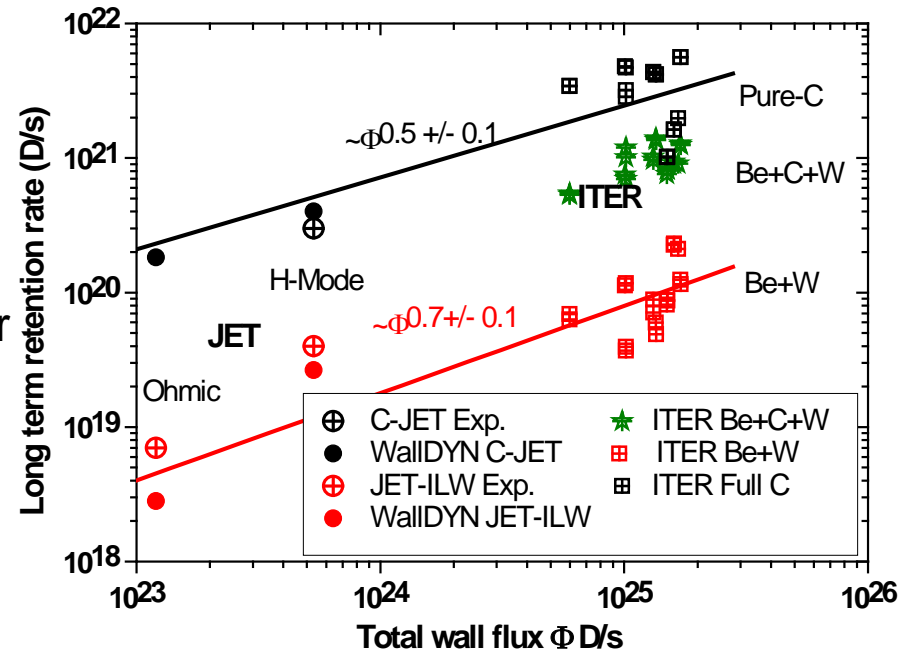
- Be deposition pattern in JET-ILW
- Quantitative match of global fuel retention



Predictive significance for ITER

❖ Applying same process physics allows predictions of co-deposition in ITER

- Including C in ITER increases co-deposition by factor 10 to 100
- Only 100 to 700 full 400s discharges
- Calculations show that even at similar total wall fluxes retention scatters by factor 10
- There's more to it than a simple flux scaling



- For current material choice (Be main wall, full W divertor)  
Co-deposition will not hinder ITER operations