• The first nonlinear gyrokinetic simulations of pedestals
• The first quantitative calculation of ExB shear suppression of pedestal turbulent transport
• Includes extensive JET simulations (JET-ILW and JET-C)
• With strong velocity shear, ETG plus micro-tearing can explain pedestal transport (not KBM)
• JET-ILW: first device where velocity shear is sometimes not strong enough to strongly suppress ITG
• Parametric trends qualitatively consistent with low pedestal temperatures in JET-ILW
  → Consistent with multiple observations
  → Low Z impurities, separatrix density (puffing/pumping), $\beta_N$
• ITER is more strongly in this regime
• Overcoming low velocity shear appears possible, by operation outside conventional modes
• JET-ILW is the only current device that can examine this essentially new ITER-like regime