

# L-H transition experiments at JET investigate edge barrier formation at high magnetic field and plasma current



- Stationary zonal flows (ZF) observed during formation of edge transport barrier in JET (Hillesheim PRL 116, 065002 2016), but have not been observed in smaller experiments
- ZF radial wavelength scales with radial correlation length of turbulence, and both are smaller than  $E_r$  well width
- $E_r$  well width can change independently of fine-scale structure
- Ratio of correlation length to well width may be important effective- $\rho^*$  parameter for L-H transition dynamics

