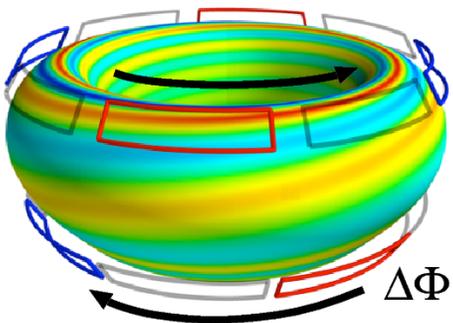
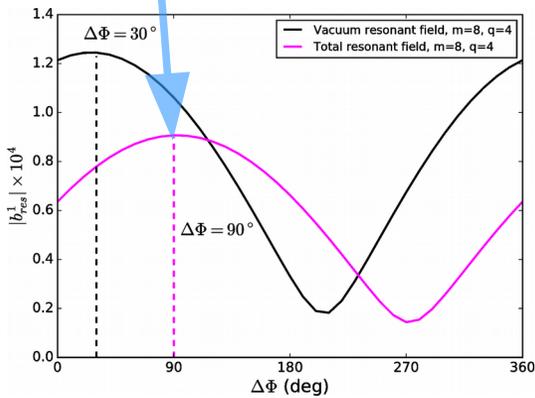
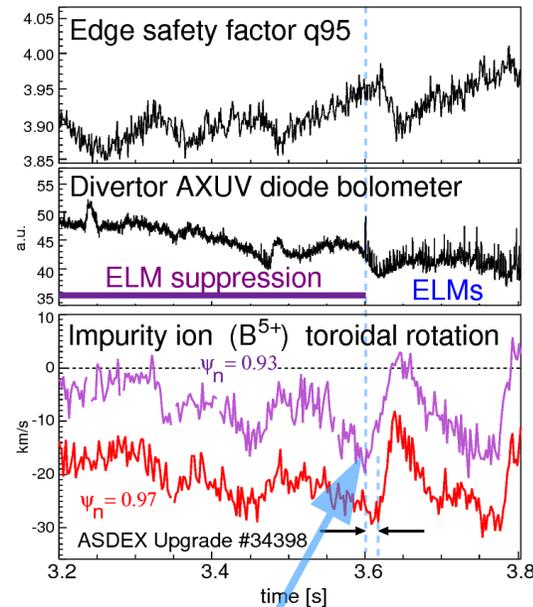


W Suttrop, A Kirk, V Bobkov, M Cavedon, M Dunne, R M McDermott, L Gil, N Leuthold, H Meyer, R Nazikian, C Paz-Soldan, D A Ryan, J Vicente, E Viezzer, M Willensdorfer, the ASDEX Upgrade and MST1 Teams

1. Magnetic perturbation: $n=2$, $\Delta\Phi_{ul}$ for maximum kink-peeling plasma response

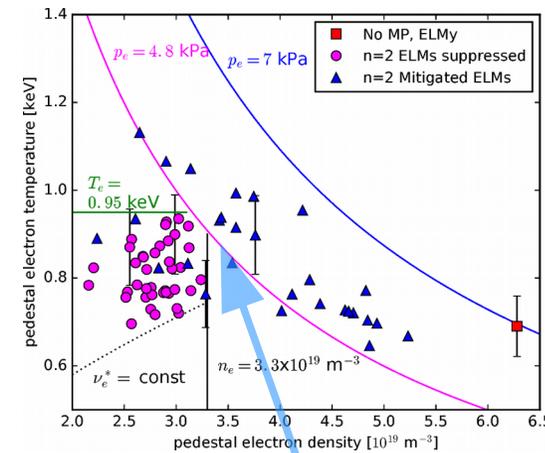


2. Safety factor in window: $q_{95} = 3.57 \dots 3.95$ (more windows possible but not yet explored)



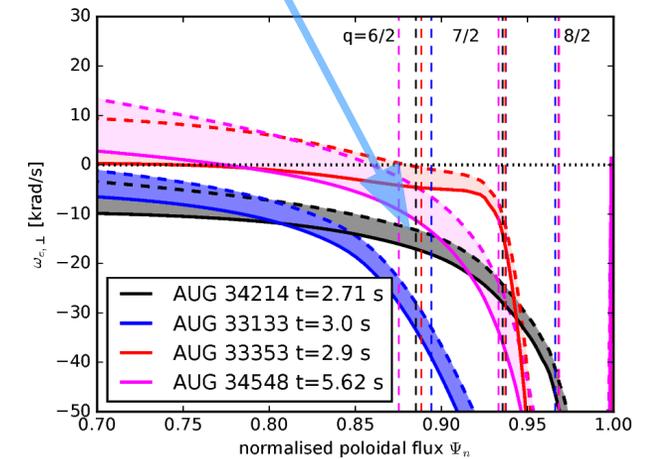
Sharp back-transition,
- initiated as rotation changes inside the pedestal knee
- propagates out

3. Low edge density $< 3.3 \times 10^{19} \text{ m}^{-3}$ (not clear if a collisionality limit)



Mitigated ELMs decorate a pedestal pressure limit
- ELM suppression occurs at lower pedestal pressure
→ Confinement improvement requires increased pedestal stability

4. No rotation threshold – ELM suppression found also if $\omega_{e,L} \neq 0$ at pedestal top



$\omega_{ExB} = 0$ at the pedestal top

→ ELM suppression may be due to a resistive response, if kinetic effects destroy shielding of magnetic perturbation