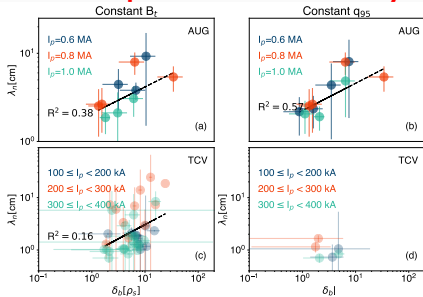




SOL Transport and Filamentary Dynamics in High Density Tokamak



- ✓ SOL E-folding length λ_n increases with blob sizes in L-Mode plasmas, **robustly in ASDEX-Upgrade with weaker dependence on TCV**
- ✓ SOL density profile flattening observed at the **onset of high-recycling regime in ASDEX-Upgrade, only with pronounced detachment on TCV**

- ✓ In ASDEX-Upgrade, H-Mode **inter-ELM SOL density profile flattening observed at high density**
- ✓ Filament size increase not sufficient to guarantee shoulder appearance in ASDEX-Upgrade H-Mode. **High neutral pressure needed at the midplane**

