

# ROLE OF THE PEDESTAL POSITION ON THE PEDESTAL PERFORMANCE IN AUG, JET-ILW AND TCV AND IMPLICATIONS FOR ITER



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## Peeling-ballooning limited pedestals:

- The density position has a significant impact on the pedestal PB stability and hence on the pedestal performance
- Consistent results in AUG [1], JET-ILW [2] and TCV [3]
- Impact on ITER pedestal: 10% at most.

- [1] Dunne PPCF 2017  
 [2] Frassinetti IAEA 2018  
 [3] Sheikh EPS 2018

## non-PB limited pedestals:

- The density position has a significant impact on  $\eta_e$ .
- This leads to an increase in microinstabilities growth rates.
- Turbulent transport might play an important role in pedestal performance.

