

# EX/P5-23: Extended scenarios opened by the upgrades of the RFX-mod experiment

RFX-mod can be operated both as a RFP and as a Tokamak

## Device upgrades proposed in order to:

Improve studies of **MHD control** and **3D PHYSICS** through more robust and persistent **higher confinement regimes**:

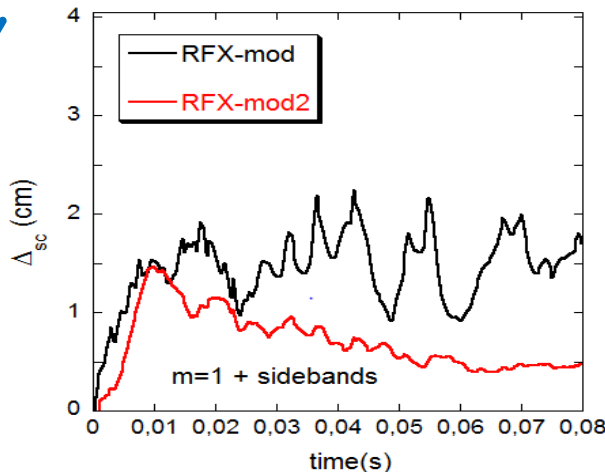
### RFP Helical states

Transport barriers in high current & density regimes

### Tokamak H-mode

ELMs and runaway electron control by magnetic perturbation

maximize plasma-shell proximity to reduce error field and magnetic chaos



Optimise shape control by increasing poloidal magnetic sensors

Apply NBI