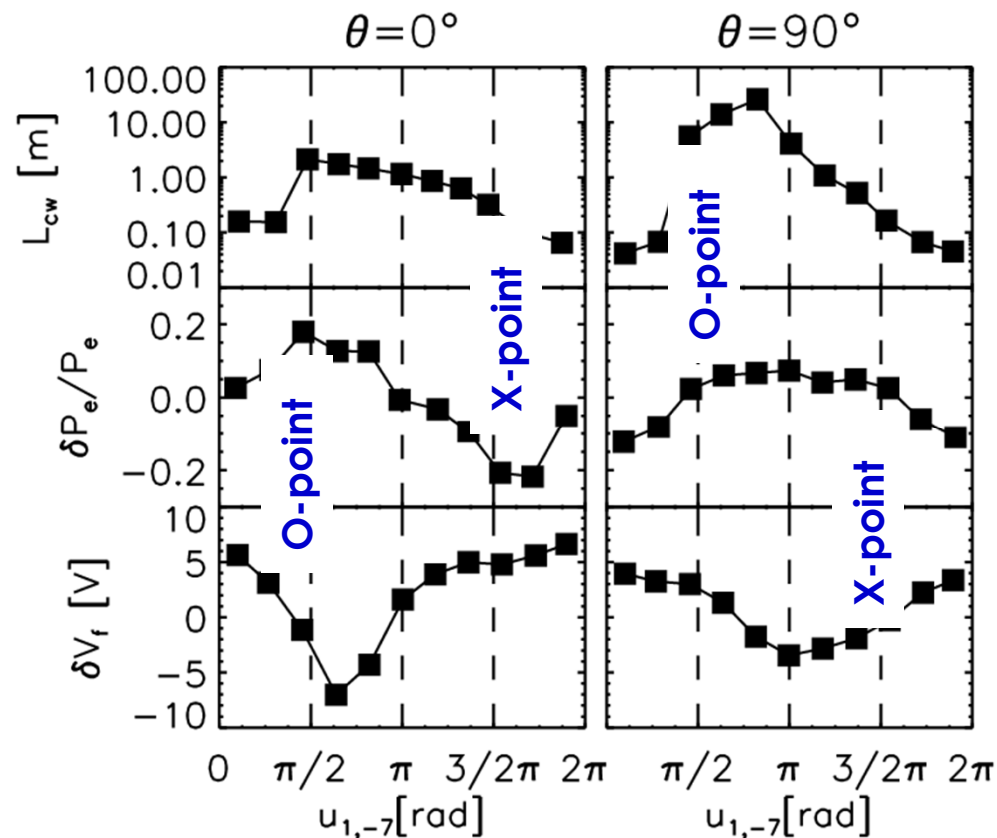




Background: magnetic perturbations modify the kinetic properties of the edge plasma



Results:

- ✓ detailed 3D kinetic response of the plasma with magnetic perturbations (MP) is studied
- ✓ when a monochromatic MP is applied the magnetic connection length to the wall L_{cw} shows a rich poloidal structure
- ✓ edge electron pressure and floating potential follow the behaviour of the connection length

Perspectives: clarifying the interaction between plasma and MPs will help to understand the interaction mechanisms between MP and ELM suppression