

# OV/5-1: 3D Effects



- Advanced TJ-II Systems: Dual HIBP. Pellet injector. Liquid Li & Li Sn limiter -> New Physics available.
- Impurity transport: Affected by asymmetries of plasma potential and NC explanation of Impurity Hole.
- Plasma fuelling experiments: Core fuelling by off-axis ablated pellets. Turbulent neutrals (affected by plasma turbulence).
- Liquid Li & LiSn: TJ-II experiments show that Liquid Li & LiSn are promising PFCs for a reactor.
- Plasma stability studies: Stable plasmas in Mercier-unstable configurations.
- Effect of 3/2 island on plasma flows. MHD plays a key role in L-H transitions.
- Alfvén modes mitigated by ECRH and modified by magnetic configuration (iotas and magnetic well).

