

- Proximity between antenna and outer midplane (OMP) gas injection maximises the effect of local gas injection on ICRF antenna coupling resistance (JET, AUG, DIII-D).
- Top injection leads to a lower coupling improvement, toroidally uniform.
- To assess efficiency of local gas injection on ITER ICRF antenna coupling, need to take into account the field lines topology and use 3D SOL modelling codes.

