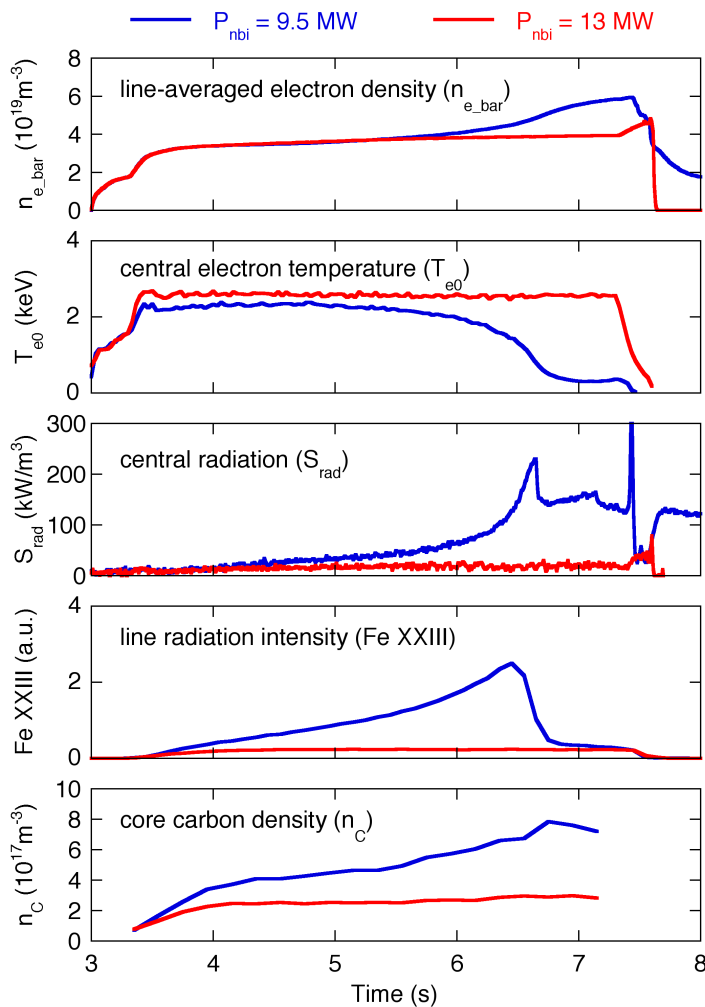
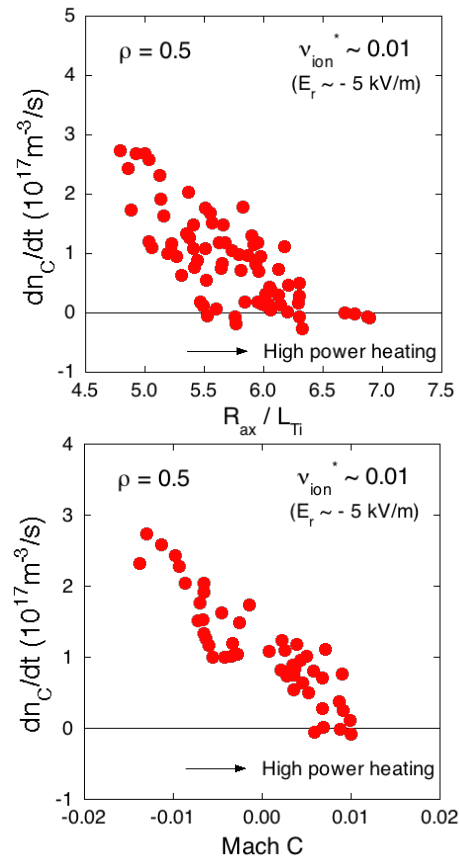
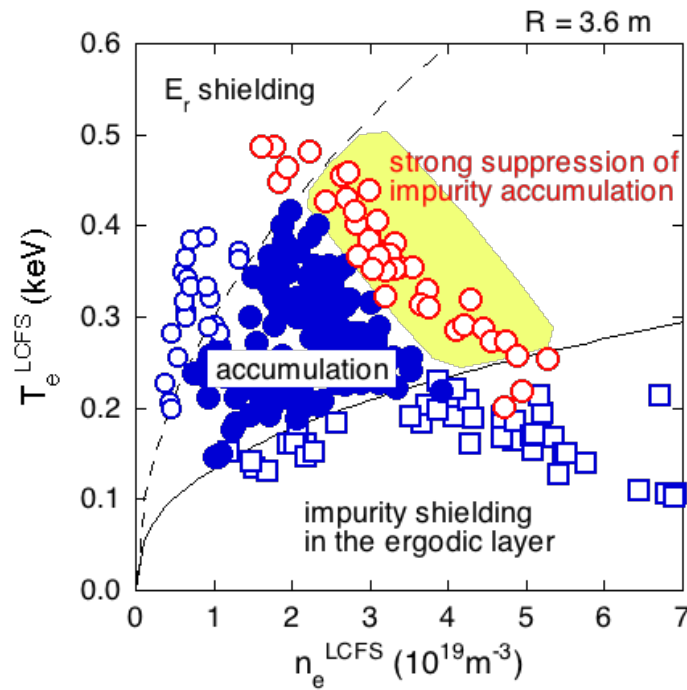


Strong suppression of impurity accumulation in high power steady state discharge on LHD



Strong suppression of impurity accumulation is observed in high power discharges



- A new operational regime without impurity accumulation is found in steady state discharge.
- Impurity peaking is reduced with increasing ion temperature gradient and carbon Mach number.
- Turbulence and toroidal rotation play an important role in the impurity transport.