

Extension of High-Beta Plasma Operation to Low Collisional Regime

EX/4-4 S.Sakakibara



- In Large Helical Device (LHD), high-beta plasma with more than 4% was successfully produced by multi-pellet injections in one order lower collisional regime than that of previous high-beta operations.
- Quasi-steady state high-beta operation with mode than 3 % is realized by gas-puff and improvement of plasma confinement was found, whereas an increase in beta value was limited by edge MHD instabilities.

