Anomalous and Neoclassical Transport of Hydrogen Isotope and Impurity Ions in LHD Plasmas

Isotope effect on TEM turbulence in LHD Transport reduction is clearly identified in D-plasma, where ZF enhancement is revealed, as well as linear TEM stabilization.





Impurity transport in LHD

TH/P2-3

M. Nunami

For high-Ti LHD plasma with impurity hole, neoclassical particle fluxes can be balanced with anomalous fluxes, where neoclassical flux of impurity carbon is quite small and is sensitive to radial electric field.

