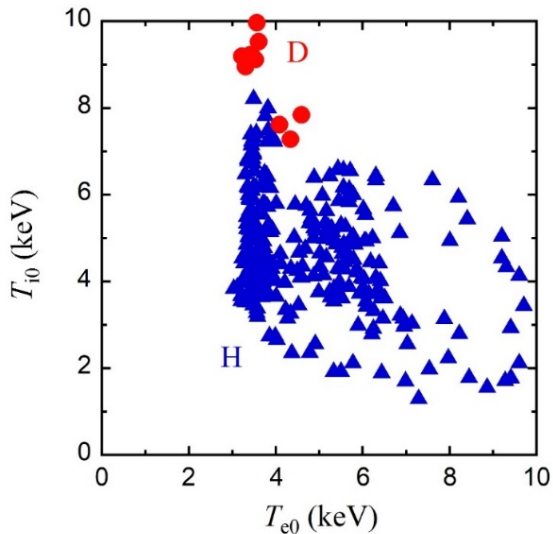




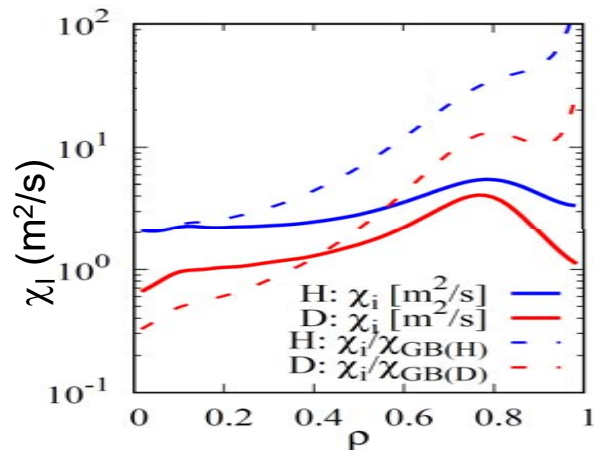
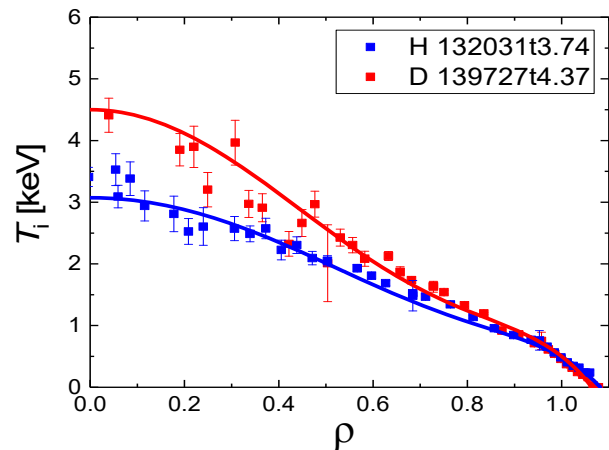
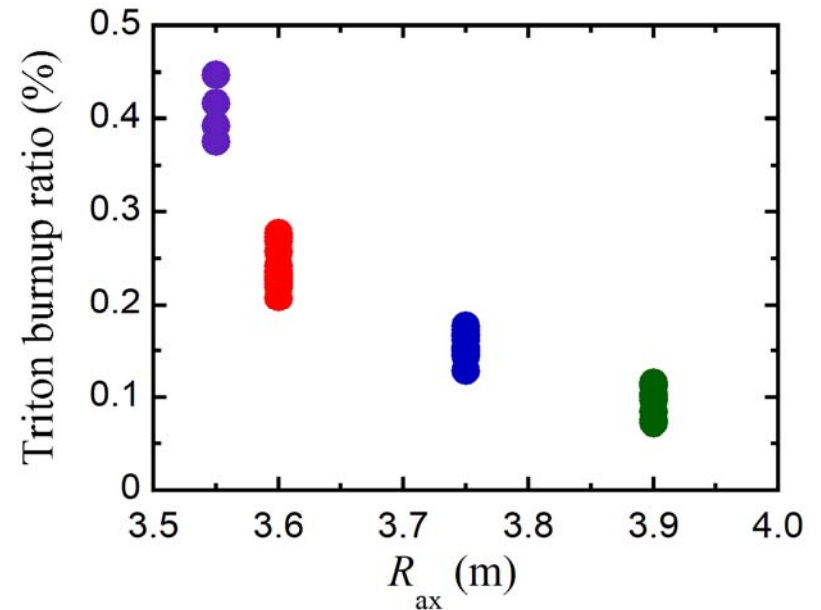
LHD extended its operational regime with D plasma



- Fusion-relevant  $T_i = 10$  keV was first achieved in stellarator/heliotron
- Ion thermal diffusivity was found to be small in D plasma with ITB
- Similar improvement was observed in ECH plasma

$\Rightarrow$  Observation of **clear isotope effect** in stellarator/heliotron

Energetic ions are well confined in heliotron configuration



- Triton burn up experiment with newly installed neutron diagnostics proved the **good performance of energetic particle confinement**,
- which are **comparable to tokamak** with similar plasma cross section as LHD