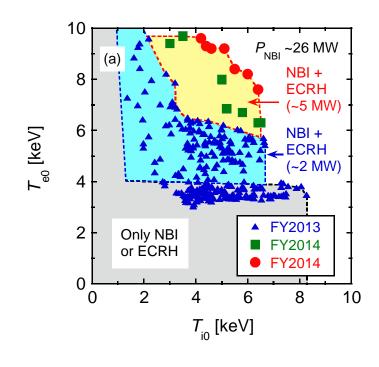
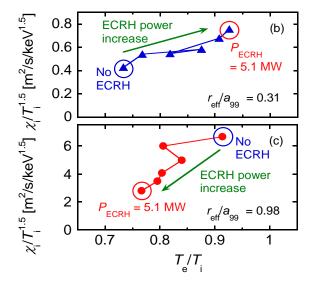
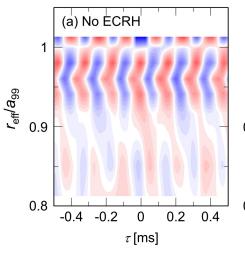
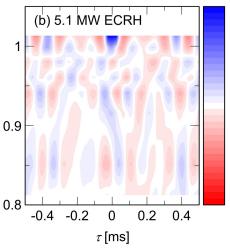
High-Temperature Plasma Regime has been extended successfully in Helical System

- ➤ Simultaneous high T_i and high T_e regime was successfully extended in the LHD due to the establishment of the i-ITB and e-ITB simultaneously by the optimized heating of NBI and ECRH mix.
- \gt Although the ion thermal confinement was degraded in the plasma core with increase of $T_{\rm e}/T_{\rm i}$ by the "on-axis ECRH" superposition, it was found that the ion thermal confinement was found to be improved at the "edge".
- > It was found that the structure of the $n_{\rm e}$ fluctuation at the "edge" was clearly modified by "on-axis ECRH".









0.4

0.2

-0.2

-0.4

