Observation of a Toroidally Symmetrical Electric Field Fluctuation with Radially Elongated Structure in Heliotron J

- Radial structure of Toroidally Symmetric Field Fluctuation
- Nonlinear Coupling in Low Frequency Range
- Change of Turbulence Characteristics at the Boundary of LCFS

No radial phase shift, but steep gradient of $\delta E_r$ generates velocity shear layer.

Nonlinear coupling exists in the frequency range corresponding to the symmetric fluctuation.

Turbulence shows different characteristics at the boundary of LCFS, which should also have influences on the behaviours of Reynolds stress.