

JOURNAL OF PLASMA AND FUSION RESEARCH

The Journal of the Japan Society of Plasma Science and Nuclear Fusion Research

Vol. 86, No.8, August 2010

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The World of Particle Accelerators and Beams

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Cover

Non-inductive plasma current start-up by electron cyclotron heating was performed on the TST-2 spherical tokamak (ST) device. To investigate the quasi-steady state ST configuration, the line integrated electron densities on five chords were measured (the yellow line segments in (b)), and compared with visible camera image (c) and equilibrium analysis (a, b). The density measurements suggest that the high-density region has a C-like shape along the outboard boundary (the red closed curve (b)). (Hiroki KURASHINA *et al.*, Plasma and Fusion Research Vol.5, 024 (2010) <http://www.jspf.or.jp/PFR/>)



Published Monthly by

The Japan Society of Plasma Science and Nuclear Fusion Research

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