

Abstract Submitted
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The behaviors of the ion temperature and impurity rotation profiles from charge exchange spectroscopy during H-mode in KSTAR WON-HA KO, H. LEE, NFRI, K. IDA, NIFS, S. OH, H.M. WI, K.D. LEE, NFRI, S.H. JEONG, KAERI, S.W. YOON, J.H. LEE, J.G. KWAK, M. KWON, NFRI, KSTAR TEAM — Ion temperature and impurity rotation velocity profiles were obtained on KSTAR by using the charge exchange emission of spectral lines in the neutral beam modulated plasma. The ion temperature and impurity rotation profiles are achieved in typical H-mode and the measured temperature profiles have a strong increase near pedestal at H-mode. The measured profile gradients in KSTAR are examined for evidence of the presence and location of the transport barrier region during the H-mode. This work supported by the Ministry of Education, Science and Technology.

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