

Abstract Submitted
for the DPP07 Meeting of
The American Physical Society

Magnetic Diagnostics on HIT-SI Experiment R.J. SMITH, J.S. WROBEL, T.R. JARBOE, B.A. NELSON, A.J. REDD, C. AKCAY, W.T. HAMP, B.T. STEWART, University of Washington — The HIT-SI equilibrium flux conserver is a CrCu shell with a 100ms L/R time. Pol. and tor. B-dot probes are embedded in the shell with a plasma facing s.s. disk to provide high bandwidth measurements. An extensive calibration of the probes from 10-200kHz has been carried out. Based on these calibrations, the probes can be digitized directly with much greater sensitivity at higher frequencies. The calibration and analysis procedures for reducing the measurements and an overview of the magnetic measurements will be presented.

Roger J. Smith
University of Washington

Date submitted: 24 Jul 2007

Electronic form version 1.4