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Current Status of Inertial-Electrostatic Confinement Fusion Study

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Detection system for transmitted millimeter waves in Heliotron J. The millimeter waves of 70 GHz 400 kW are injected into the vacuum chamber from the top of torus. The time evolution of single pass power absorption can be estimated by measuring the orthogonal wave electric fields transmitted across the electron cyclotron resonance. (Kazunobu NAGASAKI *et al.*, Plasma and Fusion Research Vol.2, 039 (2007). <http://www.jspf.or.jp/PFR/>)

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