

Abstract Submitted
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E-H transition and Hysteresis in Radio-Frequency Inductively Coupled Plasmas HYO-CHANG LEE, CHIN-WOOK CHUNG, Hanyang University — We present both experimental and theoretical studies of E-H transition and hysteresis in radio-frequency inductive discharges. It is found that the hysteresis is significantly affected by nonlinearity of the plasma with the modification of electron energy distribution (EED). This kind of hysteresis is also observed in various plasma discharges with powers, pressures, and magnetic field where EEDs are evolved.

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