

Abstract Submitted
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Driving frequency effect on the heating mode transition in capacitive discharge SHINJAE YOU, KAIST, SUNGSIK KIM, KBSI, HONGYOUNG CHANG, KAIST — The evolution of the electron energy distribution function (EEDF) with various driving frequencies is investigated in capacitive discharge. While increasing the driving frequency, a significant change of the EEDF is found, the bi-Maxwellian electron energy distribution changes drastically to the Druyvesteyn-like one. This observed result can be understood as an electron heating mode transition from the collisionless to collisional heating induced by driving frequency.

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