

Abstract Submitted
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Preliminary Investigations of the Rotational Mode of a Plasma Dust Ring WILLIAM THEISEN, KATHLEEN HILL, Ohio Northern Univ — The rotational mode of a strongly-coupled dusty plasma ring was studied. The particles rotated within the ring shaped potential well that was formed using a variable aperture with a center post. Various aperture sizes were applied. Particle position data from the rotating dust ring was analyzed and results were compared with predictions of normal mode calculations.

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