Abstract Submitted
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Improving Confinement Techniques of a non-neutral Plasma BRYCE SPENCER, BRYAN PETERSON, Brigham Young University — We are currently working on improving the confinement in our pure ion, non-neutral plasma with a rotating wall. Our desire is to achieve a sufficient level of containment to measure the frequencies of radial modes of oscillation in the plasma without losing a large amount of charged particles. We are varying the rotating wall plasma confinement system by changing the frequency and the amplitude of the rotating wall signal. We will present our analysis from our data that we have collected and possible future modifications and data analysis techniques to improve our ability to confine a plasma with sufficient density to make quality measurements.

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