

Abstract Submitted  
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**Effect of ion collisions on the plasma presheath** T.E. SHERIDAN, Ohio Northern University — We investigate solutions of a collisional Tonks-Langmuir model for a bounded plasma discharge using a particle-in-cell simulation. This is a one-dimensional model where ions are created uniformly throughout the volume and experience constant mean-free-time collisions. Results for the time-averaged potential as a function of collisionality will be presented.

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