

Abstract Submitted  
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**Electrostatics in sandstorms and earthquakes** TROY SHINBROT,  
NIRMAL THYAGU, Rutgers University, THOMAS PAEHTZ, HANS HER-  
RMANN, ETH, Zürich — We present new data demonstrating (1) that electrostatic  
charging in sandstorms is a necessary outcome in a class of rapid collisional flows,  
and (2) that electrostatic precursors to slip events - long reported in earthquakes -  
can be reproduced in the laboratory.

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