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## Interactive comment on "Measurements of electric charge separated during the formation of rime by the accretion of supercooled droplets" by R. A. Lighezzolo et al.

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If the inverted polarity storms are certainly associated with high liquid water content, then the hypothesis of the charge separation mechanism by ice-ice collisions should be handled with caution, because it has been experimentally determined that this mechanism can lose its efficiency when the ice-particles are close to the wet growth regime (Pereyra et al, JGR, 113, D17203, doi:10.1029/2007JD009720, 2008).

We think that the best way of checking the efficiency of the splinter mechanism is by using a cloud electrification numerical model.

By the way, we will appreciate if the reviewer could suggest some references in litera-C8116

ture of the microphysical conditions and charge structures of inverted polarity storms.

Interactive comment on Atmos. Chem. Phys. Discuss., 9, 23349, 2009.