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Atmospheric Chemistry and Physics Discussions

Interactive comment on "Large-scale ion generation for precipitation of atmospheric aerosols" *by* Shaoxiang Ma et al.

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The first challenge is to provide stable electric power to the discharge system. The combined system of wind and solar power system designed by our electric power team can provide enough power to run the discharge system. However, we need build a stable room with strong air drier to alleviate the side effect of super-humidity on the high voltage DC power supply. The second issue is that the system has to be shut down when temperature < 0 degree at the moment, because the wire electrode is easily frozen if it works at this low temperature condition. In order to solve this problem, an ice-melting system for the wire electrode is being tested now. We can keep the discharge system run properly by solving these two issues.

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Discussion paper

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