Atmospheric
Measurement
Techniques

Open Access

Discussions

EGU

Interactive comment on "Understanding of atmospheric aerosol particles with improved particle identification and quantification by single particle mass spectrometry" *by* Xiaoli Shen et al.

Xiaoli Shen et al.

xiaoli.shen@kit.edu

Received and published: 28 January 2019

Based on the reviewer comments, we have made major revisions to our manuscript. The major difference between our quantification method and previous single particle mass spectrometry (SPMS) studies is that our method is based on detection efficiencies determined in laboratory work, while previous studies typically used field-based scaling approaches that rely on the availability of a reference instrument. In the revised version, we have tried to highlight the original points of our work, which we consider valuable for the SPMS community. The final author comments to both reviews are given in one pdf-document.

C1

Please also note the supplement to this comment:
https://www.atmos-meas-tech-discuss.net/amt-2018-362/amt-2018-362-AC1-supplement.pdf

Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2018-362, 2018.