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Atmospheric Chemistry and Physics Discussions

Interactive comment on "Heterogeneous uptake of amines onto kaolinite in the temperature range of 232–300 K" *by* Y. Liu et al.

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Dear Dr. Liu

Thank you again for submitting your manuscript "Heterogeneous uptake of amines onto kaolinite in the temperature range of 232-300 K" to ACP.

After thorough consideration and detailed discussion with one of the referees, I decided to revoke my initial decision of accepting your manuscript for publication. Instead, I will send the manuscript out for an additional round of peer review. This is certainly an unusual measure and will increase the time that your manuscript is under review and will require you to reply to additional referee comments. This is in light of an even more unfavourable alternative in which the discussion would continue via comments on the published manuscript in ACP.

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After my initial decision, one of the referees contacted me raising strong issues and urgently asked for further changes to the manuscript prior to publication. It turned out, that we do not fully agree on the judgement on how satisfactory the first referee comments were implemented in the revised manuscript. In light of the new arguments, I'm convinced that it suits ACP better to discuss the referee's concerns publicly in ACPD. This does not only give you the opportunity to directly reply to the comments, but independent judgement by additional referee can be considered. Furthermore, changes to the manuscript might be made as considered necessary after the second round of peer review. Changing my decision rather than overruling the referee's concerns, will hopefully serve to foster a public discussion within the science community on the very fundamental remarks about the basics of the Knudsen technique as well as on the specific issues raised by the referee.

I apologise for the confusion that this might have caused and for any trouble that this certainly has caused; and hope that you are willing to continue the discussion.

Kind regards, Thorsten Bartels-Rausch

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