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comment

Interactive comment on "HOM cluster decomposition in APi-TOF mass spectrometers" *by* Tommaso Zanca et al.

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Dear Referee #2,

thank you for your comments. Here our answer:

Q: Figure 12 is a central figure in the manuscript: It would be desirable if this figure was discussed more intensively and in more detail in the text. Other illustrations, such as Fig. 8, are less meaningful to be shown graphically and could be deleted without loss of quality.

A: As suggested by the Referee, we understand the explanation of Figure 12 was too concise and we expanded it in more detail in the manuscript. We think that Figure 8 is still worth to appear in the manuscript, since the dependence of the simulation

results on the errors of input data is quite important. Figure 8 shows that the results on decomposition probability slightly change when (even quite large) deviations on the input data are introduced. This means that it is not necessary to know the input data with extreme precision, and it is then possible to "relax" a bit the accuracy in the computation of these data, which often require large computational effort.

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