

# Review of: "A Computer Simulation Study on Ion Optics Aiming at the Realization of Projection-Type Mass Spectrometry Imaging"

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Potential competing interests: No potential competing interests to declare.

Naito performed a thorough and sophisticated computational study to demonstrate the viability of leveraging commercial instruments for projection type MSI. There are 2 major points that are not clearly addressed/discussed in the manuscript:

1. For projection type MSI, what are the commonly detected  $m/z$ ? Naito used an  $m/z$  range of 100-1600 to test the robustness of the computational method, but it is also important to state how related this range is to actual application.
2. Would it be possible to demonstrate an example of the method on real samples? It seems that the study is based on a "dummy sample" with  $m/z$  values equally distributed, which is uncommon for actual samples.

Other than the above-mentioned issues, the research is quite novel and interesting.