Dear Katarzyna Rutkowska,

We’d like thank the reviewer for the positive and helpful comments. According to the suggestions of the reviewer we have done the following changes to our manuscript:

The novelty of the manuscript is the combination of the transparent electrode platform and holographic imaging. This is now more clearly expressed in the manuscript, e.g. the title has been changed to reflect this. There are also changes in the text to support more clear expression of the claimed novelty.

Figure 2. has been replaced with two image reconstructions of holograms. Figure 4. was removed due to redundancy.

Figures 3 and 6 have been replaced with more illustrative “3D” visualizations of the position of the particles. Due to change of Figure amount and order new Figure numbers are 3 and 4. (Figures 5 and 7 have also been renumbered to 5 and 6 accordingly.)

Equation 2. is commented properly.

There are some minor additional changes made in the text as well as in Figure caption in order to make text more accurate and readable. The language spelling has been checked by a native English speaker. The affiliation of one of the authors has been corrected.

We hope that these changes and corrections will satisfy the Reviewer and that our manuscript will meet the standards of your journal. If not we happy to make more changes if so needed.

With best regards,

Anssi Mäkynen

University of Oulu

Finland