

Editorial Note: This manuscript has been previously reviewed at another journal that is not operating a transparent peer review scheme. This document only contains reviewer comments and rebuttal letters for versions considered at *Nature Communications*.

Reviewers' Comments:

Reviewer #1:

Remarks to the Author:

I am happy to recommendation publication for this new submission. The authors have revised the earlier submission. It meets the high standard of nature communications.

Reviewer #2:

Remarks to the Author:

I had four comments on the paper, and the authors have address them well in a point by point manner. Therefore, I think that the paper can be published in Nature Communications, especially due to the potential of scalability for silicon-based quantum photonic circuits.

Below are the comments from the two reviewers regarding our manuscript NCOMMS-17-12692-T. We thank both reviewers for the careful reading of our manuscript, and the very positive comments about our work.

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