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This manuscript has been previously reviewed at another Nature Portfolio journal. This document only contains reviewer comments and rebuttal letters for versions considered at Communications Materials.

19th Mar 24

Dear Professor Forneris,

Your manuscript titled "Activation of telecom emitters in silicon upon ion implantation and ns pulsed laser annealing" has now been seen again by our referees, whose comments appear below. In light of their advice I am delighted to say that we are happy, in principle, to publish a suitably revised version in Communications Materials under the open access CC BY license (Creative Commons Attribution v4.0 International License).

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Best regards,

Dr Jet-Sing Lee

Associate Editor

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REVIEWERS' COMMENTS:

Reviewer #1 (Remarks to the Author):

The authors have addressed all the comments raised by the reviewers. Therefore, I recommend publication in Communications Materials in the present form.

Reviewer #2 (Remarks to the Author):

Andrini et al. report on the local formation and activation of quantum emitters in silicon in ensembles using ns laser pulses. The present manuscript is updated from an earlier version that had gone through extensive review. The authors have incorporated valuable responses to the comments and suggestions that had been made by the referees.

I recommend publication of the article in its current form in Communications Materials.

Reviewer #3 (Remarks to the Author):

The authors satisfactorily replied to all the comments of the Reviewers. The paper is recommended for publication to Communications Materials.