

Peer Review File

Parallel window decoding enables scalable fault tolerant
quantum computation



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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 believe the authors have properly addressed all of my questions and concerns to the original manuscript. I appreciate the authors for pointing out my misunderstanding for single shot decoding, and thank the authors for modifying the manuscript to include circuit level noise results and resource estimation arguments. With these adjustments, I believe this manuscript should be accepted to Nature Communications immediately without further modifications.