

5 June 2023

Prof. Daniela Rubatto
Associate Editor, *Geochronology*


Dear Dr. Rubatto,

My co-authors and I hereby submit the revised version of our manuscript entitled “Technical note: In situ U–Th–He dating by $^4\text{He}/^3\text{He}$ laser microprobe analysis”. In this revision, we have made all the changes that were promised in our response to the reviewers. Most significantly, we have expanded the Discussion section with suggestions for further improvements and applications. As a consequence, the Discussion has doubled in length. We have also included the data behind Figure 2.

In addition to addressing the comments made by yourself and Dr. Cox, we have also made a small change that was requested via email by someone who read our manuscript on the *Gchron* preprint server. Following his request, we fixed a faulty reference to an abstract by van der Beek et al. (2022) with a correct reference to Colleps et al. (2022).

A detailed overview of all the changes can be assessed using the ‘tracked changes’ version of our manuscript. We hope that you find the revised paper suitable for publication in *Geochronology*, and would like to thank you for handling this manuscript.

With kind regards,

A handwritten signature in blue ink, consisting of several overlapping horizontal and vertical strokes.

Pieter Vermeesch