

## ***Interactive comment on “The effect of rock composition on muon tomography measurements” by A. Lechmann et al.***

**M. J. Heap (Editor)**

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Dear authors,

As you can see, I have now received two reviews of your manuscript. In general, they are positive about the goal of the manuscript. Reviewer #1 describes the paper as "an interesting idea" and reviewer #2 states that the paper is "very interesting". Nevertheless, they both raise important points that should be rectified before I consider your manuscript suitable for publication in Solid Earth. In particular, both reviewers highlight the lack of an error/uncertainty analysis as one of the main drawbacks of the submitted manuscript. Both reviewers also mention that muon measurements for different rock types of known composition would also greatly boost the impact of this study. I consider

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it important that these two points are addressed in your revised manuscript. If you are willing, please now prepare a point-by-point rebuttal letter and a revised manuscript.

I thank you again for considering Solid Earth as a platform for your work.

Mike Heap (Topical Editor of Solid Earth)

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Interactive comment on Solid Earth Discuss., <https://doi.org/10.5194/se-2018-46>, 2018.

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