



Interactive comment on “Review on Mineral Characterization of Precambrian Charnockites – using PIXE Technique” by Avupati Venkata Surya Satyanarayana et al.

Anonymous Referee #1

Received and published: 2 September 2020

General comments:

This paper is interesting but requires significant editing, as it is not written in sound English. If possible please give a small table which will make it easy for the reader to see certain differences between techniques (as mentioned in the abstract).

List of some specific comments that would help to improve the manuscript:

- Line 10. Sentence “has been applied to an analytical tool” should be revised.
- Line 11. What is REE named after? Please, consider writing its full name the first time you mention it in the manuscript. Acronyms should be extended with their full names

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the first time they are cited in the body of the text.

- Line 18. Sentence "there present" should be revised. Maybe to "they are present"
- Line 19. Sentence "which is operation at.." should be revised.
- Line 70. What is GUPIX named after? Please, consider writing its full name the first time you mention it in the manuscript. Also please consider citing the software if possible
- Line 78. Consider using "in the past" or something similar instead of "earlier".
- Line 113. Typo: "n. id" instead of "n. id"
- Line 115. Sentence "is made to fall on to the sample" should be revised.
- Line 115. "charge collected" should be revised. Do you mean "The charge is collected"? In that case can you expand the sentence so as it is clear what exactly is the meaning of "charge" ?
- Line 115. What is the beam current?
- Line 116-117. Sentence should be revised. I find it hard to understand the meaning please check syntax.
- Line 137-139: Sentence should be revised.
- Figures 1-5: Figures have different sizes.
- Line 310: Sentence should be revised maybe try: "can be successfully used"
- Line 449: Phrase "and fast" should be revised. Fast compared to what?

Interactive comment on Geosci. Instrum. Method. Data Syst. Discuss.,
<https://doi.org/10.5194/gi-2020-15>, 2020.