

Interactive comment on “Analysis of COSIMA spectra: Bayesian approach” by H. J. Lehto et al.

H. J. Lehto et al.

hlehto@utu.fi

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We would like to thank the anonymous referee for the report.

We have changed all the technical notes as recommended, except for figure 4, where a change of the mass difference was recommended to be changed to 0.027u, but as we have two lines and they were offset by 0.027u and 0.017u from the possible identification, and because we have no prior knowledge which one is "more correct" we took an average, and hence retained the original 0.022u.

We have explained the reasons for not showing the full spectrum, as it would have not brought really new information, and refer on several occasions to the excellent paper

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Stephan T., 2001. We have added comparison of points relevant to our paper.

We have made serious efforts in clarifying all the other points raised by the referee including restructuring of the chapters and proofreading by several persons. We attached a pdf file indicating our changes.

Please also note the supplement to this comment:

<http://www.geosci-instrum-method-data-syst-discuss.net/4/C339/2015/gid-4-C339-2015-supplement.pdf>

Interactive comment on Geosci. Instrum. Method. Data Syst. Discuss., 4, 563, 2014.