

Interactive comment on “Dynamics of He⁺⁺ ions at interplanetary shocks” by Olga V. Sapunova et al.

Anonymous Referee #1

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The authors of the article “Dynamics of He⁺⁺ ions at the interplanetary shocks” use data from the BMSW instrument installed on the SPEKTR-R satellite to correlate the parameters of H⁺⁺ with the shock parameters. The authors state in their article that “The present preliminary results were obtained with a small number of events and require further research”. I fully agree with this statement and my recommendation is to complete their analysis and use a numerical code to understand better the physical process underway in the shock vicinity.

The article is not yet suitable for publication in its present form.

Interactive comment on Ann. Geophys. Discuss., <https://doi.org/10.5194/angeo-2020-72>, 2020.