

Interactive comment on “Earth’s radiation belts ions: Patterns of the spatial-energy structure and its solar-cyclic variations” by Alexander S. Kovtyukh

Anonymous Referee #1

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Comments for the manuscript: “Earth’s radiation belts ions: Patterns of the spatial-energy structure and its solar-cyclic variations” by A. S. Kovtyukh

The manuscript has a very good overall structure now, thank you. My final list of
C1

corrections is reported below. After that I think that the paper could be accepted without anymore interactions.

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Line	Comment
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49	“The inner belt ($L < 2.5$) of protons with $E > 10$ MeV is formed mainly as a result of decay of neutrons knocked [...]
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49-50	“In the intermediate region ($2.5 < L < 3.5$), the mechanism of a ion capture from the Solar Cosmic Rays takes place during strong magnetic storms ”
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59	I think that the word “models” is repeated too many times. I would substitute it here with “empirical representations”
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120	“the ion fluxes considered here (i.e. during quiet periods), usually have only one maximum in the functions [...]
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