

Answer to the reviewer:

Title: Status of the COMET Experiment at J-PARC

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Firstly, thank you very much for a very detailed review!

This is the first time I have written a paper so this is really helpful for me.

Also, I am sorry about this late reply.

I revised the following points according to your suggestions:

- Section 1, L10: changed to "One of the most prominent CLFV processes"
- Section 1, L12: deleted the part
- Section 1, L17: separated to two sentences
- Section 1, L20: originally, I would like to call it energy of mu-e conversion electron (thus *mec*), but it seems not a good idea; so it is changed to a simpler thing:  $E_e$
- Section 1, L22: changed to "without accidentals and thus in extremely high rate"
- Section 1, L23: I mean lowest limits here, changed to "best upper limits"
- Section 2.1, L2: changed to "COMET (...), has been"
- Section 2.1, L3: information of the proton beam energy and current is added
- Section 2.1, L6-7: the name of Hadron Hall has been corrected
- Section 2.1, L9-10: changed to "The muon beam section is composed of a superconducting pion capture solenoid with high magnetic field and a superconducting transport solenoid"
- Section 2.1, L10: changed to "a multi-layered muon stopping target"
- Section 2.2, Sentence 1: was moved to Section 2.1
- Section 2.2, L5: changed to "competitive with the Mu2e project"
- Section 2.2, L12: changed to "In order to realize"
- Section 2.2, L13: changed to "and an electromagnetic calorimeter"
- Section 3.1, L3: changed to "Design of the radiation shielding and the pion production target"
- Section 3.2.1, L3: changed to "simulation studies"
- Section 3.2.1, L5: changed to "... with the CDC is that"
- Section 3.2.2, L3: changed to "will be completed"
- Section 3.2.3, S1: "'as well as for the background study in Phase-I" is added
- Section 3.2.3 L4: changed to "will be made"
- Section 3.3, L3: examples of improvements are provided: the ability to run on a computing grid, and a realistic magnetic field map
- Section 4, last sentence: divided to two sentences

I prefer to keep my wording at:

- Section 1, L18-19: I believe "distinctive" is more appropriate,
- Section 3.3, L1: I mean "a set of software packages" here, and "software" (an uncountable noun) is a short form of that