

Jury Member Report – Doctor of Philosophy thesis.

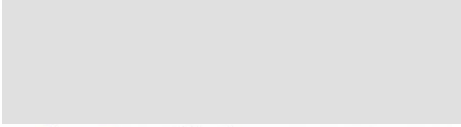
Name of Candidate: Galina Chikunova

PhD Program: Engineering Systems

Title of Thesis: Coronal dimmings associated with coronal mass ejections: evolution, lifetime, and relation to the directivity

Supervisor: Associate Professor Tatiana Podladchikova

Name of the Reviewer:

I confirm the absence of any conflict of interest 	Date: 18-11-2023
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The purpose of this report is to obtain an independent review from the members of PhD defense Jury before the thesis defense. The members of PhD defense Jury are asked to submit signed copy of the report at least 30 days prior the thesis defense. The Reviewers are asked to bring a copy of the completed report to the thesis defense and to discuss the contents of each report with each other before the thesis defense.

If the reviewers have any queries about the thesis which they wish to raise in advance, please contact the Chair of the Jury.

Reviewer's Report

Reviewers report should contain the following items:

- Brief evaluation of the thesis quality and overall structure of the dissertation.
- The relevance of the topic of dissertation work to its actual content
- The relevance of the methods used in the dissertation
- The scientific significance of the results obtained and their compliance with the international level and current state of the art
- The relevance of the obtained results to applications (if applicable)
- The quality of publications

The summary of issues to be addressed before/during the thesis defense

The submitted thesis is very well written with a structure that is logical and supports the presentations of the research work associated with the various research questions. The research questions are clear and precise, and are used to structure the thesis in a very logical sequence.

The methods of analysis presented in the thesis are shown to be at the state of the art for the field.

The figures are all well-presented and described in sufficient detail. The results are very significant as proven by the excellent papers published by the author.

There are already software applications that have been developed during the research work and are already used by other research teams in the field. This **also** proves the high quality and relevance of the work.

There are very few grammatical errors that could be corrected through a careful reading of the document.

There is also a need to precisely define the terms “on-disk” and “off-limb”. They are used extensively but are never defined.

Provisional Recommendation

I recommend that the candidate should defend the thesis by means of a formal thesis defense

I recommend that the candidate should defend the thesis by means of a formal thesis defense only after appropriate changes would be introduced in candidate's thesis according to the recommendations of the present report

The thesis is not acceptable and I recommend that the candidate be exempt from the formal thesis defense