Thermal-hydraulic analysis of HLM cooled fuel pin bundle

*Reply reviewers*

Reviewer 1: The paper shows a comparison between detailed CFD and various porous media approaches. The content is interesting and understandable. My main remark is to try to improve the use of the English language by one of the co-authors (like Dr. Tarantino).

Thanks for the comments and remarks. The paper has been modify to improve the English language.

Reviewer 2: Thanks for this extended abstract! The results shown provide a good summary of the advantages and drawbacks of the various modelling approaches studied. Would it be possible to also include predicted pressure drops in Table 1, to compare the predictions of the various detailed CFD approaches? Thanks in advance!

Thanks for the comments and remarks. The pressure drops predicted by the different models has been added. No experimental data, unfortunately are available.