Natural Hazards
and Earth System
Sciences

Discussions

Interactive comment on "Non-stationary extreme value analysis applied to seismic fragility assessment for nuclear safety analysis" by Jeremy Rohmer et al.

Jeremy Rohmer et al.

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Dear Referee #2,

We would like to thank you for your constructive comments. We agree with most of the suggestions and, therefore, we will modify the manuscript to take on board your comments. In the document (supplement to this post), we recall these comments and we reply to each of the comments in turn (outlined by "<Authors' reply>"). The document (supplement to this post) provides full details on how we improve the different aspects, which consists in: - Improving the quality of the figures; - Adding a technical appendix on the double-penalisation procedure as well as a synthetic case to illustrate

its effectiveness; - Adding details on the dynamic simulations and on their analysis to derive the fragility curves; - Clarifying the added value of our approach with respect to the literature.

Yours sincerely,

Jeremy Rohmer on behalf of the co-authors

Please also note the supplement to this comment:
https://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2019-400/nhess-2019-400-AC2-supplement.pdf

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., https://doi.org/10.5194/nhess-2019-400, 2019.