

## ***Interactive comment on “Lifetime estimate for plasma turbulence” by Yasuhito Narita and Zoltán Vörös***

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Dear Authors:

The revisions make the MS much more clear in terms of motivation and presentation. In particular, I find it entirely convincing that the kappa model for the particles has a physical rationale based upon non-extensive statistical mechanics of long-range interaction and correlation. In contrast, Breit-Wigner distribution for fluctuations has another physical rationale, namely, lifetime of the fluctuations. Second, I find that the comparison of fluctuation spectrum with dispersion relations is quite convincing, and it shows that the method is very useful. I thus recommend the publication in its present form.

Peter H. Yoon

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Discussion paper



Interactive comment on Nonlin. Processes Geophys. Discuss., <https://doi.org/10.5194/npg-2017-24>, 2017.

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