

Review of: "Dynamic structure factors and equation of state of fluid iron under Earth's core condition"

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Potential competing interests: No potential competing interests to declare.

Authors of this study have performed an investigation on the dynamic structure factors and equation of state of fluid iron under Earth's core conditions, which seems to be a review article.

Figures 2 and 3 would be taken from published work, but they are not cited in this manuscript with figures.

The data in Table 1 and Figure 4 is not compared or validated with published results; also, it does not have justification for its accuracy. Elaboration of Table 1 and the figure is required here to justify them.

In general, the manuscript is interesting for practical applications. It may be accepted after revision.