Erratum: Generation of chiral asymmetry via helical magnetic fields **[Phys. Rev. D 101, 103028 (2020)]**

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This is an erratum to the paper “Generation of chiral asymmetry via helical magnetic fields”, published in [Phys. Rev. D **101**, 103028 \(2020\)](#).

In Figs. 10(d) and 10(h) of this publication, the labels indicate that the kinetic energy spectra $E_{\text{kin}}(k)$ are presented for runs R8mhd and R8, respectively. However, the data shown in Figs. 10(d) and 10(h) corresponds to the magnetic energy spectra $E_{\text{mag}}(k)$.

We present $E_{\text{mag}}(k)$ and $E_{\text{kin}}(k)$ for runs R8mhd and R8 in Fig. 1. In comparison to $E_{\text{mag}}(k)$, the kinetic energy spectra generally span over a wider range of wave numbers k and have a lower amplitude.

The error in the original publication does not affect its conclusion.

FIG. 1. Comparison of the magnetic (upper panels) and kinetic energy spectra (lower panels) in a run with classical MHD (left panels, run R8mhd) and a run with chiral MHD (right panels, run R8).