Erratum: Distinct Turbulence Saturation Regimes in Stellarators
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In Figs. 1 and 3 of this Letter, dashed curves are provided to compare the simulation results with theoretical power laws. The curves corresponding to HSX and the tokamak are simple power laws. However, each of the curves corresponding to W7-X was calculated with a constant offset (i.e., of the form $a + bx^r$). Since offsets are not predicted by the theory, it is incorrect to compare the associated exponents with the theoretical ones. The data, if fitted instead to pure power laws, would yield exponents between the theoretical values for the tokamak and HSX cases; that is, they would be between $9/4$ and 3 for Fig. 1 and between $-7/3$ and $-10/3$ for Fig. 3. Thus, we must modify a conclusion of the Letter—namely, that W7-X is in the same regime as the tokamak. Instead, it appears to be an intermediate case. In support of this conclusion, we note that, comparing the importance of zonal flows in the three cases, W7-X is also observed to be the intermediate case.

We also note that an offset was used in Fig. 2 to calculate the theoretical fits but in this case for both W7-X and the tokamak (but not HSX). A pure power law fit applied to the data yields, in both cases, exponents somewhat below $1/2$. This does not affect the conclusions of our Letter but may be relevant to understanding the saturation mechanism that operates in the tokamak regime; we, however, consider this matter to be outside the scope of the Letter.

The main conclusions of our work, in particular, the observation, description, and explanations of the new saturation regime, exemplified by HSX, remain unchanged.