

Erratum: “The effect of parallel electric field in shock waves on the acceleration of relativistic ions, electrons, and positrons” [Phys. Plasmas 16, 112308 (2009)]

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Figure 4 in Ref. 1 should be replaced by Fig. 1 presented in this Erratum. Below Fig. 3 in Ref. 1, which displays the time variations of position and energy of a particle with its initial energy $\gamma_0=40$, we should have shown in Fig. 4 the time variations of the fields that this particle with $\gamma_0=40$ felt. However, we mistakenly used the figure for the particle with $\gamma_0=5$ discussed in Fig. 5. Since Fig. 4 and the figure presented in this Erratum are so similar, we do not have to modify the sentences in the paper.

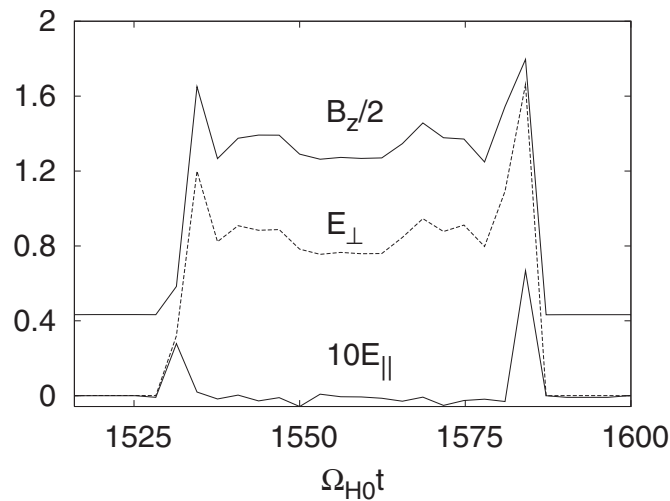


FIG. 1. Time variations of E_{\perp} , E_{\parallel} , and B_z felt by the particle discussed in Fig. 3 of Ref. 1. These quantities are normalized to B_0 . The parallel electric field E_{\parallel} is present only in the shock transition region, while E_{\perp} and B_z are present in a much larger region behind the shock front.

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