

## Erratum

# Alfvén-wave transmission and test-particle acceleration in parallel relativistic shocks

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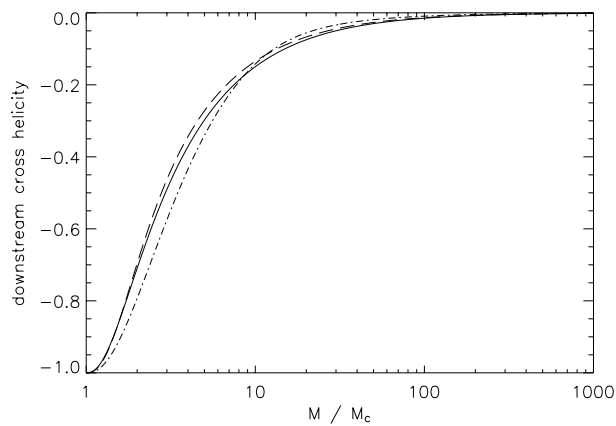
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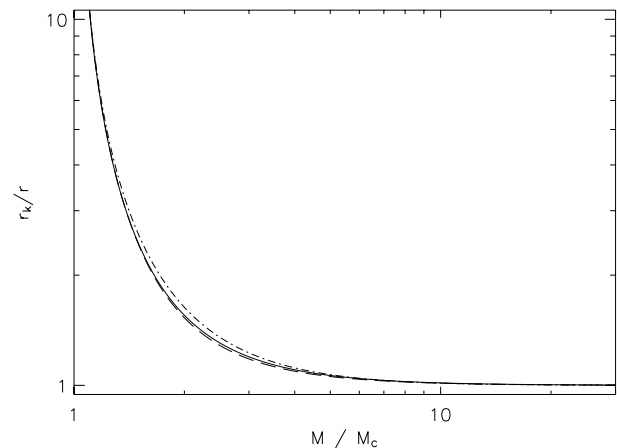
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**Key words.** acceleration of particles – cosmic rays – galaxies: jets – relativity – shock waves – errata, addenda

Figures 8 and 9 in “Alfvén-wave transmission and test-particle acceleration in parallel relativistic shocks” by Vainio et al. (2003) were unfortunately produced by an erroneous plotting script. The correctly plotted figures are given here as Figs. 1 and 2, respectively. The difference of the erroneously and correctly plotted curves is not of qualitative nature and leads to no changes of the conclusions of Vainio et al. (2003).



**Fig. 1.** Cross helicity of the Alfvén waves at constant wave number downstream a parallel shock wave for  $u_1 = 0.1 c$  (solid curve,  $r \approx 3.995$ ),  $u_1 = 1.0 c$  (dashed curve,  $r \approx 3.700$ ), and  $u_1 = 10.0 c$  (dot-dashed curve,  $r \approx 3.038$ ). The upstream cross helicity is taken to be zero, the spectral index of the waves is  $s = 1.5$ , and  $M_c = \sqrt{r}$ .



**Fig. 2.** Scattering center compression ratio,  $r_k$ , of a parallel shock wave for  $u_1 = 0.1 c$  (solid curve,  $r \approx 3.995$ ),  $u_1 = 1.0 c$  (dashed curve,  $r \approx 3.700$ ), and  $u_1 = 10.0 c$  (dot-dashed curve,  $r \approx 3.038$ ). The upstream cross helicity is taken to be zero, the spectral index of the waves is  $s = 1.5$ , and  $M_c = \sqrt{r}$ .

## References

Vainio, R., Virtanen, J. J. P., & Schlickeiser, R. 2003, A&A, 409, 821