

Errata

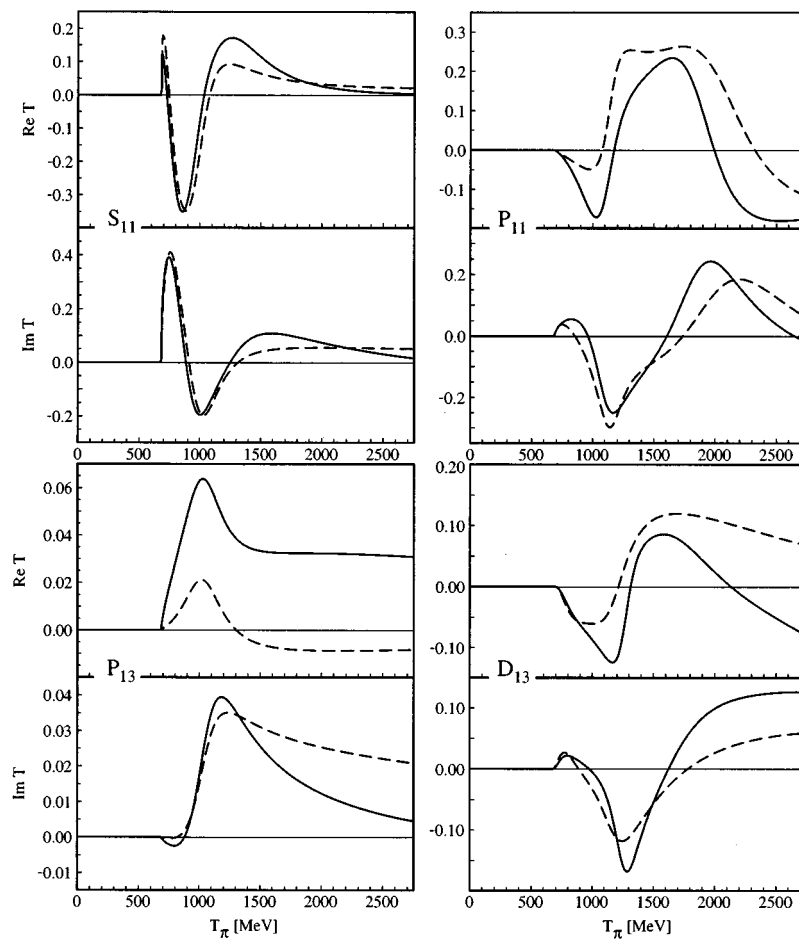
**Erratum:  $\pi N \rightarrow \eta N$  and  $\eta N \rightarrow \eta N$  partial-wave  $T$  matrices in a coupled, three-channel model [Phys. Rev. C 51, 2310 (1995)]**

M. Batinić, I. Šlaus, A. Švarc, and B. M. K. Nefkens

[S0556-2813(98)05702-1]

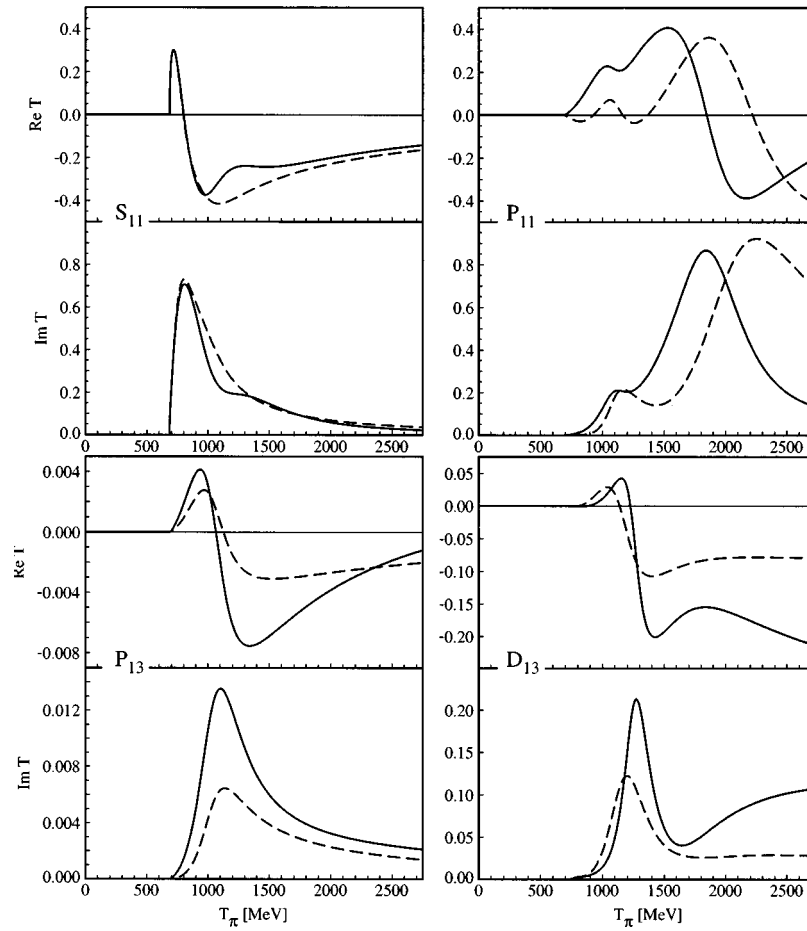
PACS number(s): 25.40.Ve, 13.75.Gx, 14.40.Aq, 24.10.Eq, 99.10.+g

A wrong sign value of the channel propagator in the evaluation of the dispersion integral, Eqs. (17) and (18), was found. With the sign corrected,  $a_{\eta N}$  is increased to  $(0.910 \pm 0.050) + i(0.290 \pm 0.040)$ . The change of the lowest four partial waves for  $\pi N \rightarrow \eta N$  and  $\eta N$  elastic processes is shown in Figs. 1 and 2. All other major conclusions of the former publication remain.



$\pi N \rightarrow \eta N$  T matrix from: (---) old, and (—) corrected solution.

FIG. 1. The  $\pi N \rightarrow \eta N$  amplitudes in  $S_{11}$ ,  $P_{11}$ ,  $P_{13}$ , and  $D_{13}$  partial waves. The dashed curves are the result of the three coupled channel multiresonance model of the previous publication. The full line is the result of the same model with the corrected numerical error in the evaluation of the dispersion integral.



$\eta N$  elastic T matrix from: (---) old, and (—) corrected solution.

FIG. 2. The  $\eta N$  elastic scattering amplitudes in  $S_{11}$ ,  $P_{11}$ ,  $P_{13}$ , and  $D_{13}$  partial waves. The meaning of the different curves is given in the caption of Fig. 1.