Mechanism of the heavy-ion charge exchange reaction 12C(12C, 12N)12B at 35 MeV/nucleon

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Erratum

Erratum: Mechanism of the heavy-ion charge-exchange reaction $^{12}C(^{12}C, ^{12}N)^{12}B$ at 35 MeV/nucleon [Phys. Rev. C **33**, 1333 (1986)]

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An error has been found in the charge-exchange form factor code [A. Etchegoyen *et al.*, Nucl. Phys. **A397**, 343 (1983)] we used to calculate the one-step distorted-wave Born approximation predictions for the $^{12}C(^{12}C,^{12}N)^{12}B$ reaction. Revised values for $V_{\sigma\tau}$ in Table III of the paper are presented as follows for each ^{12}B state (indicated by spin and parity):

J_f	1^+	2^+	2^-	4^- (2^-)
$V_{\sigma\tau}$ (MeV)	32	25	62	24

Only the cross section for the ^{12}B 2^+ (0.95 MeV) state is greatly affected; compared to the paper, the revised value is more consistent with the values deduced from the other states. Our main conclusions are unaffected since they were based on the ^{12}B 1^+ ground state, which shows only a relatively small change (10% in $V_{\sigma\tau}$).

We thank A. Etchegoyen for informing us of the error.

