

University of Groningen

## Mechanism of the heavy-ion charge exchange reaction $^{12}\text{C}(^{12}\text{C}, ^{12}\text{N})^{12}\text{B}$ at 35 MeV/nucleon

Winfield, J.S.; Anantaraman, N.; Austin, Sam M.; Harwood, L.H.; van der Plicht, Johannes; Zeller, A.F.

*Published in:*  
Physical Review C

*DOI:*  
[10.1103/PhysRevC.33.1333](https://doi.org/10.1103/PhysRevC.33.1333)

**IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.**

*Document Version*  
Publisher's PDF, also known as Version of record

*Publication date:*  
1986

[Link to publication in University of Groningen/UMCG research database](#)

*Citation for published version (APA):*

Winfield, J. S., Anantaraman, N., Austin, S. M., Harwood, L. H., Plicht, J. V. D., & Zeller, A. F. (1986). Mechanism of the heavy-ion charge exchange reaction  $^{12}\text{C}(^{12}\text{C}, ^{12}\text{N})^{12}\text{B}$  at 35 MeV/nucleon. *Physical Review C*, 33(4). DOI: 10.1103/PhysRevC.33.1333

**Copyright**

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

**Take-down policy**

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

*Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.*

## Erratum

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

J. S. Winfield, N. Anantaraman, Sam M. Austin, L. H. Harwood, J. van der Plicht, H.-L. Wu, and A. F. Zeller

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  $^{12}\text{C}(^{12}\text{C}, ^{12}\text{N})^{12}\text{B}$  reaction. Revised values for  $V_{\sigma\tau}$  in Table III of the paper are presented as follows for each  $^{12}\text{B}$  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  $^{12}\text{B}$   $2^+$  (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  $^{12}\text{B}$   $1^+$  ground state, which shows only a relatively small change (10% in  $V_{\sigma\tau}$ ).

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