

the distortion effects into a single calculation. It provides a justification for the use of half-shell cross sections in lowest order and shows how to correct them in a systematic manner. Calculations¹⁸ are in progress to determine whether the off-shell effect indicated here is sufficient to correct the anomalies found in the forward direction in the best current on-shell DWIA calculations.¹⁹

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¹G. Jacob and Th. A. J. Maris, *Rev. Mod. Phys.* **38**, 121 (1966), and **45**, 6 (1973).

²D. F. Jackson and T. Berggren, *Nucl. Phys.* **62**, 353 (1965).

³B. K. Jain and D. F. Jackson, *Nucl. Phys.* **A99**, 113 (1967).

⁴E. F. Redish, G. J. Stephenson, Jr., and G. M. Lerner, *Phys. Rev. C* **2**, 1665 (1970); G. J. Stephenson *et al.*, *Phys. Rev. C* **6**, 1559 (1972); I. E. McCarthy and P. C. Tandy, *Nucl. Phys.* **A178**, 1 (1971).

⁵M. Morlet *et al.*, *Nucl. Phys.* **A191**, 385 (1972).

⁶J. W. Watson *et al.*, *Nucl. Phys.* **A172**, 513 (1971); H. G. Pugh *et al.*, *Phys. Rev. Lett.* **22**, 408 (1969).

⁷G. F. Chew, *Phys. Rev.* **80**, 196 (1950).

⁸K. L. Lim and I. E. McCarthy, *Phys. Rev.* **133**, B1006 (1964).

⁹K. M. Watson, *Phys. Rev.* **89**, 575 (1953).

¹⁰E. O. Alt, P. Grassberger, and W. Sandhas, *Nucl. Phys.* **B2**, 167 (1967).

¹¹D. Sprung, in *Advances in Nuclear Physics*, edited by M. Baranger and E. Vogt (Plenum, New York, 1972), Vol. 5.

¹²S. K. Young, Ph. D. thesis, University of Maryland, 1973 (unpublished).

¹³C. Rolland *et al.*, *Nucl. Phys.* **80**, 625 (1966).

¹⁴W. E. Frahn, in *Fundamentals in Nuclear Theory*, edited by A. de Shalit and C. Villi (International Atomic Energy Agency, Vienna, 1967), p. 3.

¹⁵K. A. Amos, *Nucl. Phys.* **77**, 225 (1966).

¹⁶M. E. Rose, *Elementary Theory of Angular Momentum* (Wiley, New York, 1957), p. 124.

¹⁷I. E. McCarthy, private communication.

¹⁸E. F. Redish and G. J. Stephenson, in *Proceedings of the Conference on High Energy Physics and Nuclear Structure*, Uppsala, Sweden, 18–22 June 1973 (to be published).

¹⁹L. R. B. Elton, private communication.

ERRATA

LINEAR STARK EFFECT DUE TO RESONANT INTERACTIONS OF STATIC AND DYNAMIC FIELDS. Arthur Cohn, P. Bakshi, and G. Kalman [*Phys. Rev. Lett.* **29**, 324 (1972)].

On page 326, in item (1), $|p_y\rangle$ should be replaced by $|p_x\rangle$.

In item (3), the second sentence should read, "Most of the intensity for the $|p_x\rangle$ state is in the zeroth harmonic..."

Figure 2(a) is for $|2p_x\rangle$, and 2(b) for $|2p_z\rangle$.

K-VACANCY CREATION BY HIGH-Z HEAVY-ION IMPACT. A. M. Halpern and J. Law [*Phys. Rev. Lett.* **31**, 4 (1973)].

On page 4, two lines above the formula for σ_{BK} , read "...for K pickup to any projectile state of any principal..."

In Ref. 10, the publication data should read

(1953) rather than (1935).

In our version of the Brinkman-Kramers formula we can account for the effect of shielding on the binding energy of the target electrons by replacing Z_m by $Z_m(\text{eff}) \equiv u/v_H$, where v_H is the electron velocity in the hydrogen ground state. This has the effect of scaling σ_{BK} upward by a significant factor for each velocity, but it leaves the Z dependence almost unchanged. We have since calculated σ_{BK} using the full Nikolaev form [see Ref. 12, Eq. (10)] (hence accounting more accurately for shielding effects), and can again match the data of Ref. 6 by $\sigma_D + \chi\sigma_{BK}$ with new values of χ given by 0.026, 0.065, and 0.10, respectively, in order of increasing velocity. With these values the new theoretical curves are essentially indistinguishable to the naked eye from those of Fig. 1 of our paper. The new value of χ for the datum point of Ref. 13 discussed in our paper is 0.14. The conclusions of the paper are unchanged.