the commonly adopted level density formula $\rho = C \exp[2(aU)^{\frac{1}{2}}]$ derived from the Fermi gas model. $U$ is obtained by adjusting the excitation energy to account for the pairing energy.[4] The user may wish to employ some other analytic expression for $\rho$ or a table of values. In this event, the subroutine may be suitably modified or replaced.

7. Running Time: Running time is highly dependent on the number of energy increments used in the numerical integrations. The maximum degree of accuracy is attained with 50 increments. In this case, a typical calculation on $^{56}$Fe at 14 MeV, which takes into consideration the reactions $(n,n')$, $(n,2n)$, and $(n,p)$, takes about 3 min of IBM-7094 time.

8. Unusual Features: A table of cross sections for compound nucleus formation as a function of bombarding energy and target mass number is generated during the first run and written on magnetic tape for use in all subsequent runs. These cross sections are calculated by the continuum theory.[3] Optionally, the user could perform a more sophisticated treatment by replacing this table with a similar one generated from optical model calculations.

9. Status: The program is in use at Brown Engineering Company. Source decks and copies of a user's manual can be obtained from the Oak Ridge Radiation Shielding Information Center.

10. Machine Requirements: 29 K of memory is required. However, with some sacrifice in accuracy this requirement may be relaxed considerably by the reduction of certain array dimensions.

11. Operating System: IBSYS Version 13

12. Other Programming or Operating Information or Restrictions: None

13. *Acknowledgment:* This code was developed in connection with work performed under National Aeronautics and Space Administration Contract NAS8-20166.

14. *References:*
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   [2]D. H. EWING and V. F. WEISSKOPF, *Phys. Rev.*, **57**, *472*, 935 (1940).
   [3]J. M. BLATT and V. F. WEISSKOPF, *Theoretical Nuclear Physics*, pp. 345-358, John Wiley & Sons, New York and London (1952).
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# Corrigendum

M. NATELSON, "On Comparison of Synthetic Kernal Transport Results," *Nucl. Sci. Eng.*, **40**, 153 (1970).

This letter to the Editor should be dated November 24, 1969. The editorial staff apologizes to the author for the omission.