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Conference on Correlations of Particles Emitted in Nuclear Reactions

Introductory Note

An American Physical Society Topical Conference, sponsored also by Oak Ridge National Laboratory and the Nuclear Structure subcommittee of the National Academy of Science—National Research Council, was held in Gatlinburg, Tennessee on 15–17 October 1964. Experimental and theoretical investigations of nuclear reactions which yield three or more bodies in the final state was the special topic of concern. The conference organizing committee consisted of J. B. Marion, Chairman; H. D. Holmgren, Secretary; P. F. Donovan, C. D. Goodman, G. C. Phillips, H. G. Pugh, and A. Zucker. Each of the five program sessions began with one, two, or three 30-minute invited papers and continued with several 10-minute contributed papers. The schedule was arranged to provide time for discussion after each paper, and the total attendance of some 140 physicists was small enough to permit reasonably informal discussions. Commentary from the floor was, at times, quite lively and an effort has been made in editing the discussion transcript not to strip it entirely of its informal character. Abstracts of the contributed papers have been published in the *Bulletin of the American Physical Society* **10**, 624–631 (1965). For the proceedings which follow, written texts of the invited and contributed papers were provided by the authors. The discussion was transcribed by a stenotypist. Those who made comments were given the opportunity to review the discussion transcript before the final editing of the discussion was done at Oak Ridge National Laboratory.

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Conference on Correlations of Particles Emitted in Nuclear Reactions
Gatlinburg, Tennessee, 15–17 October 1964

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