

It can be seen from Table I that in none of the cases the value of the correlation coefficient exceeded the corresponding experimental error indicating the failure for the detection of finite anisotropy in the K-X ray and gamma-ray angular correlations. These results support Dolginov's theory. The K-capture in the case of  $^{186}\text{Re}$  is of the first forbidden type ( $1^- \rightarrow 2^+$ ), while the K-capture groups are mixed in the case of the K-capture decay of  $^{153}\text{Gd}$ . Two of these are of the allowed type  $(3/2)^+ \rightarrow (3/2)$  and  $(3/2)^+ \rightarrow (5/2)^+$  and the other is of the first forbidden type  $[3/2)^+ (5/2)^-]$ . Absence of finite correlation in both cases indicates the essential absence of anisotropy in the gamma-ray distribution.

The magnetic environments of the decay products  $^{153}\text{Eu}$  and  $^{186}\text{W}$  are different in as much as in the former case the valence electron configuration is  $(6s)^2, (4f)^7$ , while the corresponding configuration for  $^{186}\text{W}$  is  $(6s)^2, (4f)^{14}, (5d)^4$ . The magnetic fields are essentially due to incompletely filled  $f$  shell electrons in the case of  $^{153}\text{Eu}$  and incompletely filled  $d$  shell electrons in case of  $^{186}\text{W}$ . The

absence of any difference in angular correlations in both cases shows the essential absence of the K-X ray and gamma-ray angular correlations.

One of the authors (Venkata Ramana Rao) is thankful to the Council of Scientific and Industrial Research, Government of India, New Delhi, for providing him with a Senior Research Fellowship. He is also grateful to Dr. D. L. Sastry for his keen interest and useful discussions in this work.

1. Dolginov, A. Z., *JETP, Soviet Phys.*, 1958, 7, 644.
2. Perepelkin, V. V., *JETP Letters, Ibid.*, 1967, 5, 81.
3. Mc Donnel, M., and Ramaswamy, M. K., *Phys. Rev.*, 1968, 171, 1278.
4. Ramaswamy, M. K., *Physics Letters*, 1968, 27 B, 215.
5. Fechner, J., *et al.*, *Ibid.*, 1968, 26 B, 374.
6. Murthy, D. S., Ramana Rao, K. V., Jagam, P., and Lakshminarayana, V., *Canad. J. Phys.*, 1970, 48, 1514.
7. (a) Lakshminarayana, V., Invited Talk, *Proceedings of the Nuclear Physics and Solid State Physics Symposium*, of Department of Atomic Energy, Government of India, Dec. 1968, 1, 107. (b) Venkata Ramana Rao, K., *Ph.D. Thesis*, Andhra University, Waltair. 1970.

## FIRST ASIAN CONGRESS OF NUTRITION

**T**HE First Asian Congress of Nutrition was held at Hyderabad (India) between 28th January and 2nd February 1971. The Congress was sponsored by the Nutrition Society of India and the Indian National Science Academy under the auspices of the International Union of Nutritional Sciences. Dr. C. Gopalan, Director of the National Institute of Nutrition, Hyderabad, was the President of the Congress and Mr. A. H. Boerma, Director-General, F.A.O., Rome, delivered the key-note address. The Congress was attended by over 500 delegates representing 21 countries.

The main theme of the Congress was "Nutrition and National Development". The sub-

jects discussed at the ten symposia covered a wide range of topics of common interest. Besides the symposia, 18 special reports and over 100 research communications were presented.

At the concluding session of the six-day Congress, it was decided to hold such a Congress once in three years. A steering committee was constituted for the purpose and Dr. C. Gopalan was unanimously elected as Chairman of the Steering Committee. It was also decided to set up a permanent machinery to develop collaborative research programmes on problems of malnutrition common to the Asian region.