

## Editors' Preface

The International Conference on Nuclear Moments and Nuclear Structure was held in Osaka from September 4 to 8, 1972. This volume includes all the invited and contributed papers, summaries of the discussions following the oral presentations and tables of nuclear moments which are closely related to the discussions of the conference.

Some of the contributed papers were revised and enlarged by the contributors during the conference. The other contributed papers for which revised papers did not reach us by then have been published in original abridged contributions.

The discussions at each session were much active to our great joy and were recorded on tapes. However, in order to keep this volume to moderate size, we had to summarize the discussions. This was done mainly by the scientific secretaries of each session by referring to the Discussion Papers which were submitted by the discussioners. In this connection, we should like to thank Professor S. S. Hanna, whose co-operation was essential in the intense effort of getting the discussions transcribed in time. The tables of nuclear moments consist of four parts, *i.e.* the nuclear moments reported at the conference, nuclear moments of conjugate nuclei, the magnetic moments of the  $1f_{7/2}$  shell nuclei and the magnetic moments of nuclei in the lead region. Because those values were often quoted in the discussions, we think it is appropriate to add their compilation as the Appendix.

We should like to express our appreciation to all who have helped in the preparation of the proceedings. The co-operation of the authors in having prepared and submitted their texts before leaving the conference was particularly appreciated. We wish to thank members of the Editorial Board who were mostly the scientific secretaries of each session and Mr. S. Mochizuki and other editorial members of the Physical Society of Japan. We are deeply indebted to Miss R. Kuroda and Miss Y. Endo for their invaluable collaboration in preparing the proceedings.

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