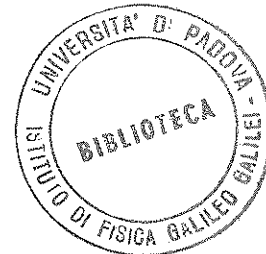


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ON

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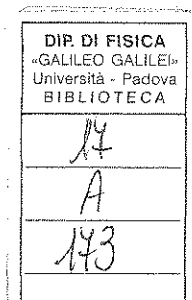
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FOREWARD

The XVII International Conference on High Energy Physics was held at Imperial College of Science and Technology, London, England, from 1 to 10 July, 1974. The conference was sponsored and supported by the International Union of Pure and Applied Physics and The Science Research Council of the UK.

The conference consisted of three days of parallel sessions followed by three and a half days of plenary sessions. The material presented was organised under the following major themes: strong interactions at high energy; resonance physics; weak interactions and theories unifying weak and electro-magnetic interactions; lepton-lepton and lepton-hadron interactions; reactions involving large transverse momentum. The format of these proceedings follows the same pattern.

The content of each parallel session was the responsibility of the individual organiser, although review talks rather than many short presentations of individual papers were recommended by the organising committee. Plenary speakers were asked to prepare a comprehensive review of their topic for the proceedings with a selective presentation for the actual session. In connection with the planning of the format of the sessions, a pre-conference meeting of parallel session organisers, plenary speakers, scientific secretaries and the organising committee was held at the Rutherford Laboratory during the week before the conference. The main aims were to coordinate the content of related parallel and plenary sessions, based on the contributed papers that had been received on time, and to prepare a collection of data summary sheets, of important new results, to be made available to delegates during the conference. Over 1000 papers were submitted to the conference. These were displayed in a reference library during the conference, and a limited copying service was provided.

It is a pleasure to acknowledge the enthusiasm of staff of the Rutherford Laboratory in providing a conference service for delegates and to thank Imperial College for providing their facilities.

In producing these proceedings the aim has been to make them available within a short time following the conference. As a consequence it has not been possible for authors to check their final text before going to print: we apologise to authors and readers for any errors. We thank all organisers, speakers and scientific secretaries for their cooperation in this endeavour.

J R Smith

G Manning

Rutherford Laboratory

October 1974

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