

personic vehicle traveling through a planetary atmosphere. Specific topics are expected to include (1) wave propagation in plasma media, (2) radiation patterns and impedance of plasma-covered antennas, (3) reentry physics research, (4) voltage breakdown of antennas at high altitudes, (5) diagnostic techniques for ionized flow fields, (6) reentry communication flight tests, (7) reentry electronic countermeasures, and (8) rocket flame attenuation.

Requests for registration material should be sent to Miss Alice Cahill, Air Force Cambridge Research Laboratories, Hanscom Field, Bedford, Mass.

Elementary particles

England's Rutherford Laboratory is organizing an international conference on elementary particles, to be held September 19 to 25 in Oxford. The program of the meeting, similar to those held at Aix-en-Provence (1961) and Sienna (1963), will be designed primarily for young physicists active in the field.

Attendance will be by invitation only. All communications should be addressed to R. C. Pepperell, Scientific Conference Secretariat, Rutherford High Energy Laboratory, Chilton, Didcot, Berkshire, England.

Nuclear and particle physics

The British Institute of Physics and the Physical Society will hold a conference on nuclear and particle physics from September 15 to 17 at the University of Liverpool. The proposed agenda includes nuclear structure and reactions, high-energy interactions with nuclei, particle physics, and electron physics.

It is planned to review these topics in a group of invited papers; 300-word abstracts of shorter contributed papers should be sent in triplicate before June 30 to Dr. I. G. Main, University of Liverpool, Chadwick Laboratory, Liverpool 3.

Registration and abstract materials can be obtained from the Administration Assistant, Institute of Physics and the Physical Society, 47 Belgrave Square, London, SW 1, England.

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