

all-day conference on May 8 at Temple University on "Recent Advances in Physics". The sessions will be both tutorial and contributed.

For further information, write to Dr. Leonard Muldower, Dept. of Physics, Temple University, Philadelphia, Pa.

Internal conversion

The Atomic Energy Commission, the National Science Foundation, and Vanderbilt University are holding an international conference on the internal conversion process at Vanderbilt University from May 11 to 13. The conference will include experimental and theoretical work on the internal conversion coefficient, sub-shell ratios, particle parameters, and techniques of measurement. There will be approximately fifteen invited speakers on these topics; in addition, there will be a limited number of contributed papers.

For further details, contact Prof. J. H. Hamilton, Conference Chairman, Physics Department, Vanderbilt University, Nashville, Tenn. Abstracts, not longer than 200 words, should be received by April 1.

Rheology

The American Society of Mechanical Engineers will hold a symposium on rheology at its joint conference on applied mechanics and fluid mechanics, which meets June 7 to 9 in Washington, D.C. Research areas to be discussed will include general nonlinear continuum mechanics of viscoelastic and oriented materials, hypoelasticity, plasticity dislocations, experimental and theoretical researches in viscoelastic vibrations, shear flow of simple fluids, plastic flow, flow of suspensions, and medical aspects of rheology, etc.

Additional details can be obtained from Prof. A. W. Marris, School of Engineering Mechanics, Georgia Institute of Technology, Atlanta, Ga.

Electromagnetic scattering

The University of Massachusetts and the Air Force Cambridge Research Laboratories are organizing an inter-

disciplinary conference on electromagnetic scattering, to be held June 28 to 30 on the University's main campus. The meeting will be divided into sessions on particulate scattering, nonparticulate scattering, multiple scattering, and nonelectromagnetic scattering.

Further information can be obtained from Robert L. Rowell, Department of Chemistry, University of Massachusetts, Amherst, Mass.

Fusion

The International Atomic Energy Agency will hold a conference on plasma physics and controlled nuclear fusion research at the Culham Laboratory in England from September 6 to 10.

The meeting, which will be restricted to plasmas as related to fusion research, will cover the general theory of plasma confined by magnetic and electromagnetic fields, as well as experimental and theoretical problems.

Abstracts, 250 to 350 words, are due at the Agency in Vienna by April 15. The official channel for participation by US scientists is the Atomic Energy Commission. Inquiries should be sent to John H. Kane, Chief, International Conferences Branch, Division of Special Projects, USAEC, Washington, D. C.

Megagauss magnetic fields

The Italian Physical Society and the Ionized-Gas Laboratory at Frascati will hold a conference on megagauss magnetic-field generation by explosives and related experiments from September 21 to 23.

Topics to be discussed will include (1) magnetic-flux compression experiments and results, diagnostic methods, explosive systems, and high-voltage techniques, (2) pulsed electrical power from explosives, (3) electrical conductivity and diffusion of magnetic fields into hot and compressed metals, (4) equation of state of highly compressed media, (5) limitation of maximum magnetic fields obtainable, (6) acceleration of metal plates and liners in view of magnetic-field compressions, (7) stability of the



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