

# Division of Nuclear Physics

The formation of a Nuclear Physics Division was approved at the session of the EPS Council in Paris, February 1970. The proposal for the establishment of such a division grew out of discussions at a meeting called by W. Gentner at Heidelberg in July 1969 during the International Conference on Nuclear Reactions Induced by Heavy Ions. It was felt that a division covering both nuclear structure physics and particle physics should be considered but subsequent talks with high-energy physicists led to proposals for two divisions, the Nuclear Physics Division covering nuclear structure physics, and a High Energy and Particle Physics Division. As with all the Divisions of the EPS the present organization is provisional.

The Interim Board of the Division first met in September 1970. Nuclear physics sections already exist within many of the National Societies and there are some close regional associations but, lacking the central cohesive influence of a CERN, contacts between the National Societies in the nuclear structure field are not very strong. It was felt that one of the important functions of the EPS Nuclear Physics Division should be to strengthen contacts between the national and regional nuclear physics groups. Accordingly the Interim Board of the Division was drawn up with representation, initially, on a national or regional basis. Many of the members have been nominated by their National Societies and the first meeting of the Board endorsed this structure although recent Council decisions on the membership of Divisional Boards will make the continuance of this structure of the Board more difficult.

## Work of the Division

At this early stage the work of the Division is mainly concerned with conferences. Many regular national or regional meetings on nuclear structure already take place and the Board feels that there is a need for

open topical conferences in Europe in which the specialized topic keeps the attendance to a reasonable size. One such conference sponsored by the Board was arranged by the Laboratori Nazionali di Legnaro at Padua on the structure of  $1f_{7/2}$  nuclei. The need for Gordon type conferences in nuclear physics in Europe has been recognized for some time. The EPS has arranged to organize conferences of this general type in the form of Europhysics conferences, and the Nuclear Physics Division is seeking to stimulate the arrangement of conferences in this series. General conferences in the field of nuclear physics have grown very large in Europe and there is a feeling that, while such conferences are necessary the number of topics covered should be limited. Here the Nuclear Physics Division can probably best collaborate with IUPAP in coordinating European general conferences in nuclear physics.

The Division has no financial resources and so can only stimulate and cooperate with organizations such as the National Societies in the conference field. The members of the Divisional Board have discussed within their own national areas plans for topical and general conferences and at the next meeting of the Interim Board in the late summer of 1971 it is hoped that a programme can be agreed. Some proposals such as one from the French Physical Society for a conference on selected topics in the fields of fission, nuclear structure studied by means of heavy ions, and nuclear physics above 100 MeV have already been formulated.

A responsibility placed on the Division by the EPS Conference Committee is the arrangement of the divisional sessions during the next EPS General Conference at Wiesbaden where three afternoon sessions are to be organized by the Division.

The Board would also like to encourage the better communication of information on activities in the nuclear structure field amongst the

physics community. U. Schmidt-Rohr, Max Planck Institut, Postfach 1248, Heidelberg, Fed. Rep. of Germany, has been appointed coordinator for communications on nuclear physics to Europhysics News.

The present members of the Board are:

L. L. Green (Chairman)	Liverpool
C. van der Leun (Secretary)	Utrecht
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Y. Talmi	Rehovoth

## Meetings

Notification of the following meetings has been received. The meetings announced are in addition to those advertised in previous issues of Europhysics News. Those organized by Divisions of the EPS are printed in bold type and boxed; those sponsored by the EPS are printed in bold type; Europhysics Conferences (See Meetings Issue 2 (12 M) of Europhysics News) are marked by an @ preceding the date. These announcements are repeated. For a full list of events see the latest Meetings Issue of Europhysics News. The information is listed in this order: Date, title, venue, contact for information.

## Conferences

### 1971

<b>14 - 17 September</b> <b>Physics of Condensed Matter: Metals and Phase Transformations</b> Florence, Italy G. Boato, Istituto di Fisica dell'Università, Viale Benedetto XV 5, I-16132 Genoa
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**18 September onwards**  
Hollow-Cathode Discharges and their Applications  
Orsay, France  
J.L. Delcroix, Plasma Physics Laboratory,  
Faculty of Sciences, F-91 Orsay

**20 - 23 September**  
**2nd European Meeting on Ferroelectricity**  
Dijon, France  
L. Godefroy, Laboratoire de Diélectriques  
Ferroélectriques, Faculté des Sciences,  
Boulevard Gabriel 6, F-21 Dijon

**20 - 24 September**

International Conference on Atomic Collisions in Solids: Physics of Channeling and Related Phenomena  
Gausdal, Norway  
N.G.E. Johansson, Research Institute for Physics, S-104 05 Stockholm 50, Sweden

**20 - 24 September**

Electric and Magnetic Properties of Dilute Alloys  
Tihany, Hungary  
K. Tompa, Central Research Institute for Physics, POB 49, Budapest 114

**20 - 24 September**

**Cosmic Plasma Physics**  
Frascati, Italy  
K. Schindler, ESRIN, POB 64, I-00044 Frascati

**20 - 24 September**

**3rd International Conference on Quiescent Plasmas**  
Helsingør, Denmark  
V.O. Jensen, Research Establishment Risø, DK-4000 Roskilde

**21 - 23 September**

High Voltage Electron Microscopy  
Teddington, UK  
The Meetings Officer, The Institute of Physics, 47 Belgrave Square, London SW1

**21 - 23 September**

Infra-Red Techniques  
Reading, UK  
Institution of Electronic and Radio Engineers, 8-9 Bedford Square, London WC1B 3 RG

**21 - 23 September**

International Conference on Modern Developments in Flow Measurement  
Harwell, UK  
F.K. Pyne, AERE, Harwell, Didcot, Berkshire

**21 - 23 September**

International Conference on Noise in Active Semiconductor Devices  
Toulouse, France  
A. de Cacqueray, Comité d'Organisation, LAAS - CNRS, POB 4036, F-31 Toulouse

**21 - 23 September**

Stress Analysis in the Fracture Mechanics of Ductile and Brittle Materials  
Leicester, UK  
The Meetings Officer, The Institute of Physics, 47 Belgrave Square, London SW1

**21 - 24 September**

Critical Phenomena  
Lindau, Federal Republic of Germany  
G.M. Schneider, Ruhr Universität Bochum, NC - 7/72, POB 2148, D-463 Bochum

**22 - 25 September**

5th Colloquium on Theory of Elementary Particles  
Bratislava, Czechoslovakia  
J. Pisut, Theoretical Physics Dept., Comenius University, Smeralova 2/B, Bratislava

**27 September - 1 October**

International Colloquium on the Study of Crystal-line Transformations at High Temperature  
Odeillo, France  
M. Foex, Laboratoire des Ultra Réfractaires, BP 5, F-66 Odeillo

**27 September - 1 October**

Journées Métallurgiques d'Automne  
Paris, France  
J. Philibert, Génie Industriel, Université Paris-Sud, Centre d'Orsay, F-91 Orsay

**27 September - 2 October**

15th Reunion of the Royal Society for Physics and Chemistry  
Tarragona, Spain  
A. Bernalte, Facultad de Ciencias, Avenida Generalísimo, s/n, E-Barcelona

**27 September - 2 October**

36. Physikertagung - Physik im Experiment  
Essen, Federal Republic of Germany  
German Physical Society, Herkausstrasse 9, D-645 Hanau

**28 September**

Magneto-Optics  
London, UK  
The Meetings Officer, The Institute of Physics, 47 Belgrave Square, London SW1

**4 - 8 October**

Meeting of the Austrian Physical Society  
Leoben, Steiermark, Austria  
N. Pucker, Institut für Theoretische Physik, Universität Graz, Universitätsplatz 5, A-8010 Graz

**8 - 9 October**

Meeting of the Swiss Physical Society  
Fribourg, Switzerland  
Société Suisse de Physique, M. Guenin, Département de Physique théorique, 32, bd. d'Yvoy, CH-1211 Geneva 4

**11 - 13 October**

Excitation Sources  
London, UK  
The Meetings Officer, The Institute of Physics, 47 Belgrave Square, London SW1

**11 - 14 October**

**3rd International Conference on Luminescence Dosimetry**  
Roskilde, Denmark  
V. Mejdahl, Danish Atomic Energy Commission, Research Establishment Risø, DK-4000 Roskilde

**11 - 15 October**

5th International Vacuum Congress  
Boston, Mass., USA  
Miss N. Hammond, Executive Secretary, American Vacuum Society, 335 East 45th St., New York, N.Y. 10017

**11 - 15 October**

International Conference on Solid Surfaces  
Boston, Mass., USA  
T.E. Madey, Secretary, International Conference on Solid Surfaces, Surface Chemistry Section, Institute for Materials Research, National Bureau of Standards, Washington, D.C. 20234

**12 - 14 October**

International Conference on Non-Ferrous Metals.  
Liège, Belgium  
Head of Liaison Services, British Non-Ferrous Metals Research Association, Easton Street, London NW1 2EU, UK

**19 - 26 October**

Plasma Theory  
Kiev, USSR  
M. Rabinovitch, P.N. Lebedev Institute of the USSR Academy of Sciences, Moscow V-312

**26 October**

Radiation Accidents in which Severe Exposure has Occurred or is Suspected  
London, UK  
J.H. Martin, Department of Medical Biophysics, The University, Dundee DD1 4HN, UK

**11 November**

Acoustic Surface Waves and their Applications  
London, UK  
E.G.S. Paige, Royal Radar Establishment, St. Andrews Road, Great Malvern, Worcs.

**16 - 17 November**

Promotion des méthodes analytiques nucléaires dans la production et l'utilisation industrielle des métaux précieux  
Brussels, Belgium  
CEC Bureau Eurisotop, Berlaymont B 5-125, 200 rue de la Loi, B-1040 Brussels

**18 - 20 November**

3rd Italian Vacuum Congress  
Turin, Italy  
S. Allaria, Via Onorato Vigliani 197, I-10127 Turin

**23 - 26 November**

Use of Camera Tubes for Space Applications  
Paris, France  
Centre National d'Etudes Spatiales, Division des Relations Universitaires, 129 rue de l'Université, F-75 Paris 7e

**10 December**

Crystallography Group of the Institute of Physics - Autumn Conference  
Cambridge, UK  
P. Gay, Department of Mineralogy and Petrology, University of Cambridge, Downing Place, Cambridge CB2 3EW

**14 December**

Magnetic Films  
London, UK  
The Meetings Officer, The Institute of Physics, 47 Belgrave Square, London SW1

**1972****EPS General Conference****3 - 6 October**

**Trends in the Development of Modern Physics**  
Wiesbaden, Federal Republic of Germany  
European Physical Society, POB 309, CH-1227 Carouge-Geneva, Switzerland

**Summerschools****1971****4 - 8 October**

Cryotechnics  
Titisee, Black Forest, Federal Republic of Germany  
Verein Deutscher Ingenieure, VDI-Bildungswerk, Graf-Recke-Strasse 84, Postfach 1139, D-4000 Düsseldorf 1

**10 - 20 October**

International School of Earth Sciences — Earthquakes and Engineering Implications  
Erice, Italy  
P. Cosentino, Istituto di Geofisica Mineraria, Corso Calatafami 260, I-90129 Palermo

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