calendar

MARCH 1985

7–9 **Mtg of Texas Sec of AAPT** *5/84*

13–15 **Top Mtg on Picosecond Electronics and Optoelectronics** Incline Village, NV *9/84*

14–23 **25th Anniversary Sanibel Symp** Whitney Laboratory and Marineland, FL *1/85*

18–20 **Top Mtg on Optical Computing** Lake Tahoe, NV *3/84*

18–21 **Conf on Antinucleon and Nucleon–Nucleus Interactions** Telluride, CO *7/84*

18–21 **Integral Methods in Science and Engineering** Arlington, Texas *11/84*

18–22 **Course on Numerical Methods for Partial Differential Equations** Univ. of Tennessee Space Institute *11/84*

18–25 **Int Rare Earth Conf: Materials and Chem** Zurich, Switzerland *3/84*

19–20 **Top Mtg on Non-Invasive Assessment of Visual Function** Lake Tahoe, NV *3/84*

20–22 **Top Mtg on Machine Vision** Lake Tahoe, NV *11/84.*

24–29 **1985 Eastern Simulation Conf** Williamsburg, VA *11/84*

25–27 **4th Oxford Conf on Microscopy of Semiconducting Materials** Oxford, UK *9/84*

25–27 **Conf on Nuc Structure Phys** University of Surrey, England *11/84*

25–27 **Sem on Exposure to Enhanced Natural Radiation and its Regulatory Implications** Masstricht, The Netherlands *1/85*

25–28 **Symp on Semiclassical Descriptions of Atomic and Nuclear Collisions** Copenhagen, Denmark *5/84*

25–29 **APS Gen Mtg** Baltimore, MD *11/83*

25–29 **ASME Short Course Program** Pennsylvania State Univ. *1/85*

APRIL 1985

1–4 **7th Eur Conf on Surface Sci** Aix-en-Provence, France *1/85*

2–4 ➔ **Software Symp for Engineers and Scientists** Chicago, IL (Infosciene Services, Inc., Box 153, Northbrook, IL 60065 [312-291-9161])

3–4 **21st Ann Mtg of the Nat Council on Radiation Protection and Measurements** Washington, DC *1/85*

8–12 **109th Ann Mtg of ASA** Austin, TX *11/83*

8–12 ➔ **Tech Symp East '85 on Optics and Electro-Optics** [SPIE] Arlington, VA (R. B. Johnson, SPIE, P.O. Box 10, Bellingham, WA 98227-0010 [512-651-6991])

Please note: Complete information is only given in new (➔) or revised (●) listings. All other entries end with the date of the PHYSICS TODAY issue containing the following information: date **title** [sponsor] location (contact) [abstract deadline]

This calendar appears in alternate (odd-numbered) months. Notices should be sent to: Calendar, PHYSICS TODAY, 335 East 45th Street, New York, NY 10017 at least three months in advance.

AAAS	American Association for the Advancement of Science
AAPM	American Association of Physicists in Medicine
AAPT	American Association of Physics Teachers
AAS	American Astronomical Society
ACA	American Crystallographic Association
AGU	American Geophysical Union
ANS	American Nuclear Society
APS	American Physical Society
ASA	Acoustical Society of America
AVS	American Vacuum Society
BNL	Brookhaven National Laboratory
CNRS	Centre National de la Recherche Scientifique
DOE	Department of Energy
DPG	Deutsche Physikalische Gesellschaft
IAEA	International Atomic Energy Agency
IEEE	Institute of Electrical and Electronics Engineers
IOP	Institute of Physics (London)
IUPAC	International Union of Pure and Applied Chemistry
IUPAP	International Union of Pure and Applied Physics
LBL	Lawrence Berkeley Laboratory
LLNL	Lawrence Livermore National Laboratory
NAS	National Academy of Sciences
NBS	National Bureau of Standards
NRC	Nuclear Regulatory Commission
NRL	Naval Research Laboratory
NSF	National Science Foundation
ORNL	Oak Ridge National Laboratory
OSA	Optical Society of America
S of R	Society of Rheology
SPS	Society of Physics Students

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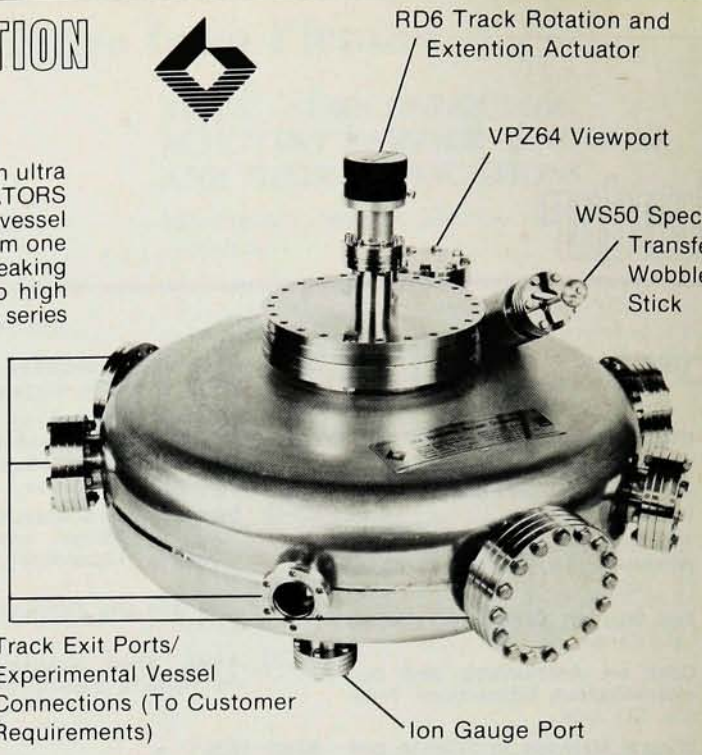

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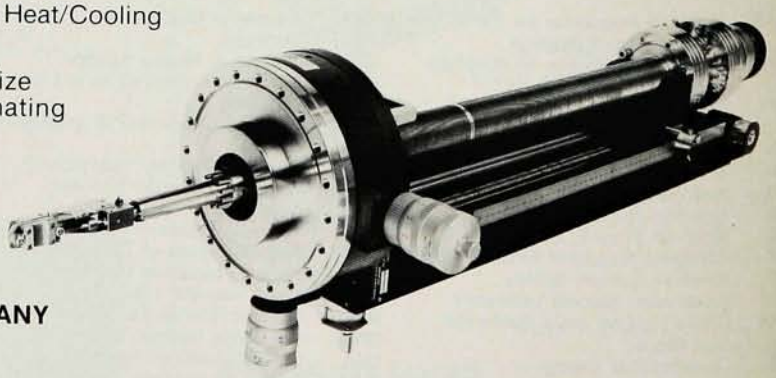

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APS SHOW—BOOTH #157,158

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10–21 **Scaling Phenomena in Disordered Systems** Gelio, Norway *1/85*

15–18 **2nd Spring Mtg of the Materials Research Society** San Francisco, CA *9/84*

15–19 **2nd Eur Conf on Atomic and Molecular Phys** Amsterdam *9/84*

17–24 **Research and Technology '85 Exhibition** Hannover, West Germany *11/84*

18–19 → **Conf on Lasers and Particle Beams for Fusion and Strategic Defense** [Fusion Power Associates, Univ. of Rochester, DOD] Univ. of Rochester (R. Watkins, Fusion Power Associates, 2 Professional Dr., Suite 248, Gaithersburg, MD 20879 [301-258-0545])

18–20 **6th Wksp on Grand Unification** Minneapolis, MN *11/84*

22–26 **14th Int Symp on Acoustical Imaging** The Hague, The Netherlands *11/83*

23–25 → **21st Ann Symp of the New Mexico Chapter of AVS** Albuquerque, NM (H. C. Peebles, Div. 1831, Sandia Nat. Lab., Albuquerque, NM 87185 [505-844-1647]) [2/25/85]

24–26 **1985 Spring Sem S Calif Chptr AAPM** Las Vegas, NV

24–27 • **APS Spring Mtg** Crystal City, VA (W. Havens Jr, 335 E. 45 St., New York, NY 10017) **note changed date and location**

27–28 • **APS Course on Phys and Technol of Energy Conservation** Washington, DC (David Hafemeister, 553 Serrano, San Luis Obispo, CA 93401 [805-544-5096])**note changed location**

29–2 **23rd Int Magnetics Conf** St. Paul, MN *11/84*

29–2 → **Conf on Small-Angle Neutron Scattering in Polymers** [SPE] Washington, DC (B. Bachman, Bell Communications Research, 600 Mountain Ave., Murray Hill, NJ 07974 [201-582-6085])

30–2 **ANS Top Mtg on Tritium Tech in Fission, Fusion and Isotopic Applications** Dayton, OH *11/84*

MAY 1985

4–8 → **8th Int Wksp on Rare-Earth Magnets and Applications** Dayton, OH (K. Strnat, University of Dayton, Dayton, OH 45469 [513-229-3535])

6–8 **Rate Processes and First Passage Times in Chem Phys** Bethesda, MD *11/84*

6–17 → **S Course on Optical Sci and Eng** Tucson, AZ (P. N. Slater, Optical Systems & Engineering Short Courses Inc., P.O. Box 18667, Tucson, AZ 85731 [602-885-3798])

7–11 **8th Kyoto Summer Inst: Quantum Gravity and Cosmology** Kyoto, Japan *1/85*

9 → **Symp on Magnetic Anisotropy and Coercivity in Rare Earth-Transition Metal Alloys** Dayton, OH (K. Strnat, University of Dayton, Dayton, OH 45469 [513-229-3535])

12–17 **Symp on Chem and Phys of Composite Media** Toronto, Canada *11/84*

13–14 **Course on Techniques for Surface Analysis** Univ. of Maryland, College Park, MD *1/85*

13–16 **11th Particle Accelerator Conf** Vancouver, BC *1/85*

13–17 • **Int Conf on Nuclear Data for Basic and Applied Sci** Santa Fe, NM (P. Young, Los Alamos Nat. Lab., MS B243, Los Alamos, NM 87545) **note changed location**

13–24 **Wksp on Math in Industry** Trieste, Italy *1/85*

14–16 **Int Conf on Ion & Plasma Assisted Techniques** Munich, West Germany *11/84*

14–17 ➔ **Wksp on Purification of Materials for Crystal Growth and Glass Processing** Watsonville, CA (R. S. Feigelson, Ctr. for Materials Res., Stanford University, Stanford, CA 94305 [415-497-4007]) [2/15/85]

15–17 **7th Symp on Applied Surface Analysis** College Park, MD *1/85*

17–18 ➔ **2nd Top Conf for Phys Dept Chairs** [AAPT, APS] Washington, DC (J. M. Wilson, Phys. Dept., U. of Maryland, College Park, MD 20742)

21–23 **6th Symp on x and γ Ray Sources and Applications** Univ. of Mich., Ann Arbor, MI *11/84*

21–24 **Conf on Lasers and Electro Optics** [OSA, IEEE] Baltimore, MD *11/83*

24–6 **Conf on Determination & Interpretation of Small Structural Differences** Erice, Italy *1/84*

26–31 **AAAS Ann Mtg** Los Angeles, CA *11/84*

28–31 ➔ **29th Int Symp on Electron, Ion and Photon Beams** [IEEE, AVS, Electrochemical Society] Portland, OR (R. E. Wilde, 29th Int. EIPB Symp., MIT Lincoln Lab., Room E-118E, P.O. Box 73, Lexington, MA 02173-0073) [1/21/85]

29–31 ➔ **Int Conf on Materials and Mechanisms of Superconductivity** Ames, IA (L. Kilmer, 109 Office & Lab, Iowa State University, Ames, IA 50011 [515-294-4037 [3/1/85]

29–31 **39th Ann Frequency Control Symp** Philadelphia, PA *1/85*

29–31 ➔ **Symp on Recent Developments in Structured Continua** Windsor, Ontario, Canada (D. De Kee, Dept. of Chem. Eng. & Fluid Dyn. Res. Inst., Univ. of Windsor, Windsor, Ontario, N9B 3P4, Canada)

29–1 **3rd New Orleans Conf on Quantum Theory and Gravitation** New Orleans, LA *1/85*

JUNE 1985

3–6 **Int Conf on the Theory of the Structures of Non-Crystalline Solids** Bloomfield Hills, MI *11/84*

2–6 • **166th Mtg of AAS** Univ. of Virginia (L. W. Frederick, Ast. Dept, Univ. of Virginia, P.O. Box 3818, Charlottesville, VA 22903 [804-924-7494] **note changed date**

3–7 **10th Int Symp on Mol Beams** Cannes, France *11/84*

4–7 **Dynamics Days Twente: Conf on Nonlinear Dynamics** Enschede, The Netherlands *1/85*

9–14	**ANS Ann Mtg** Boston, MA *3/84*
10–12	**IEEE 5th Pulsed Power Conf** Washington, DC *9/84*
10–14	**2nd Int Conf on Nucleus–Nucleus Collisions** Sweden *5/84*
12–14	**Spring Conf on Applied Optics** Cherry Hill, NJ *11/84*
16–20	**Symp on Foundations of Modern Physics: 50 Years of the Einstein-Podolsky-Rosen Gedanken-experiment** University of Joensuu, Finland *7/84*
16–21	**17th Biennial Conf on Carbon** Lexington, KY *11/84*
16–30	**Spectroscopy of Solid State Laser-Type Materials** Erice, Italy *9/84*
17–21	**AAPT Mtg** Flagstaff, AZ *11/83*
19–21	**4th Int Conf on the Numerical Analysis of Semiconductor Devices and Integrated Circuits** Dublin, Ireland *5/84*
20–5	**3rd Wksp on Nonlinear Evolution Equations and Dynamical Systems** Baia Verde, Gallipoli, Italy *9/84*
20–30	**Int Sch for Intermediate Energy Nuc Phys** Verona, Italy *11/84*
23–28	**Review of Progress in Quantitative NDE** Williamsburg, VA *1/85*
23–5	**NATO Adv Study Inst on Radiative Processes in Discharge Plasma** Pitlochry, Scotland *1/85*
24–26	**1985 Cong of the Can Assoc of Phys** Univ. of New Brunswick, Fredericton, N.B. *1/85*
24–27	**9th Symp on Thermophys Properties** Boulder, CO *9/84*
24–28	**7th Int Conf on Laser Spectroscopy** Maui, Hawaii *7/84*
24–29	**Int Conf on Fourier and Computerized Infrared Spectroscopy** Ottawa, Ontario *5/84*
24–6	**Sum Sch on Theory of Nuclear Structure and Reactions** La Rabida, Spain *5/84*

JULY 1985

1–4	**2nd Int Conf on Langmuir-Blodgett Films** Schenectady, NY *7/84*
1–6	**11th Europhysics Conf on Intermediate Energy Nuclear Physics with Electromagnetic Probes** Paris, France *7/84*
7–12	**7th Int Conf on Ion Beam Analysis** Berlin, FRG *1/85*
8–12	→ **6th Int Trieste Symp on Fractals in Phys** Trieste, Italy (L. Pietronero, Solid State Phys. Lab., University of Gronigen, 9718 EP Groningen, The Netherlands) [4/30/85]
8–12	**17th Int Conf on Phenomena in Ionized Glass** Budapest, Hungary *9/84*
14–19	**Conf on the Dynamics of Molecular Collisions** Snowbird, UT *1/84*
14–20	**Wksp on Tokamak Start-up—Problems and Scenarios Related to the Transient Phases of Long-burn Operations** Erice (Sicily), Italy *1/85*
15–19	**8th Int Symp on Detonation** Albuquerque, NM *7/84*

15–19 → **Corrosion: The Environmental Degradation of Materials** MIT, Cambridge, MA (Director of the Summer Session, Room E19-356, MIT, Cambridge, MA 02139)

15–19 → **S Course on Plasma Processing for Microelectronic Fabrication** MIT, Cambridge, MA (Director of the Summer Session, MIT, Room E19-356, Cambridge, MA 02139 [617-253-2101])

15–20 → **MIT Elementary Course in Design and Analysis of Scientific Experiments** Massachusetts Institute of Technology, Cambridge, MA (Director of Summer Sessions, Room #19-356, MIT, Cambridge, MA 02139)

15–26 **NATO Adv Study Inst: Learning Phys and Math via Computers** San Miniato, Italy *1/85*

18–28 **5th Int Sch for Intermediate Energy Nuclear Phys** Venice, Italy *11/84*

20–22 → **Joint Symp on Swarm Studies and Inelastic Electron-Molecule Collisions** [AFOSR, ARO, GTE Labs, NSF, ONR] Tahoe City, CA (L. P. Pitchford, GTE Labs, Waltham, MA 02154 [617-466-2704]) [4/26/85]

22–25 **1985 Int Symp on Microwave Tech in Industrial Development** Campinas, Brazil *7/84*

22–26 → **7th Int Sum Inst in Surface Science** University of Wisconsin, Milwaukee (R. Vanselow, Dept. of Chem. & Lab. for Surface Studies, (CHEM 343), University of Wisconsin, Milwaukee, WI 53201 [414-963-5223])

22–26 → **Sum Computer Simulation Conf and Exhibits** Chicago, IL (C. A. Pratt, SCS, PO Box 2228, La Jolla, CA 92038-2228 [619-459-3888])

22–26 **8th Int Symp on NQR** Darmstadt, West Germany *1/85*

23–25 **Phys Interactions and Energy Exchange at the Gas–Solid Interface** Hamilton, Ontario, Canada *3/84*

24–30 **14th Int Conf on Phys of Electronic and Atomic Collisions** Palo Alto, CA *3/84*

28–17 → **NATO Advanced Study Inst on Supersymmetry and Supergravity** Edinburgh, Scotland (R. L. Crawford, Natural Philosphy Dept., University of Glasgow, Glasgow G12 8QQ, UK)

29–2 **2nd Int Synchrotron Radiation Instrumentation Conf** Stanford University, Stanford, CA *1/85*

29–2 → **S Course on Detection of Infrared Radiation** Santa Barbara, CA (Dept. of Sci. & Management, University of California Extension, Santa Barbara, CA 93106)

29–16 **Nonlinear Dynamical Systems: Integrability and Qualitative Behavior** Université de Montréal, Montréal, Canada *1/85*

AUGUST 1985

4–8 **4th Top Mtg on Photoacoustic, Thermal and Related Sciences** Quebec, Canada *9/84*

4–9 **10th Int Colloq Dynamics of Explosions and Reactive Systems** Berkeley, CA *7/84*

4–9 **Sum Sch on NMR in Medicine: Instrumentation and Clinical Applications** AAPM U. of Portland, OR *1/85*

5–9 → **S Course on Fiber Optic Communication Systems** Santa Barbara, CA (Dept. of Sci. & Management, University of California Extension, Santa Barbara, CA 93106)

11–15 **27th Ann Mtg of AAPM** Seattle, WA *11/83*

12–16 **Cryogenic Eng Conf and Int Cryogenic Materials Conf** Cambridge, MA *1/85*

12–16 → **Nuclear Structure Gordon Conf** Tilton, NH (C. Glashausser, Serin Phys. Lab., Rutgers University, Box 849, Piscataway, NJ 08854)

12–17 **4th Int Conf on Recent Progress in Many-Body Theories** San Francisco, CA *1/85*

15–17 **Symp on Yukawa's Meson Theory** Kyoto, Japan *1/85*

18–23 **ACA Ann Mtg** Stanford Univ., Palo Alto, CA *1/85*

18–23 **17th Int Symp on Free Radicals** Granby, CO *1/85*

18–23 → **Symp on Applic of Thin-Film Multilayer Structures to Figured X-ray Optics** San Diego, CA (G. F. Marshall, Ovonics, Energy Conversion Devices, Inc., 1675 West Maple Rd., Troy, MI 48084 [313-280-1900]) [2/18/85]

19–23 **5th Int Cong on Quantum Chem** Montreal, Canada *1/85*

19–24 → **1985 Int Symp on Lepton and Photon Interactions at High Energies** [IUPAP, the Science Council of Japan, Phy. Soc. Jap.] Kyoto, Japan (Conference Secretariat, Research Institute for Fundamental Physics, Kyoto University, Kyoto 606, Japan)

22–4 → **NATO Advanced Study Institute on New Vistas in Electro-Nuclear Phys** Banff, Alberta, Canada (E. Tomusiak, Dept. of Phys., University of Saskatchewan, Saskatoon, Saskatchewan, Canada S7N OWO)

25–30 → **Int Nuclear Phys Conf** [IOP] Harrogate, United Kingdom (The Inst. of Phys, 47 Belgrave Sq., London SW1X 8QX)

26–30 **Int Conf on Magnetism** San Francisco, CA *5/84*

26–30 **6th Int Symp Polarization Phenomena in Nuclear Physics** Osaka, Japan *7/84*

26–3 **Course and Wksp on Basic Physical Processes in Fusion Plasmas** Varenna, Italy *3/84*

26–3 → **Course and Wksp on Basic Phys Processes of Toroidal Fusion Plasmas** Villa Monastero, Varenna, Italy (E. Sindoni, Dipartimento di Fisica, Universita di Milano, Via Celoria 16, 20133 Milano, Italy)

28–30 → **3rd Australian Optical Soc Conf–4th Australian Laser Conf** Sydney, Australia (B. F. Oreb, CSIRO, Div. of Applied Phys., P.O. Box 218 Lindfield, N.S.W., Australia 2070)

SEPTEMBER 1985

2–5 **Biennial Conf of IOP Microscopy and Analysis Group** Newcastle upon Tyne, UK *5/84*

2–6 **11th Int Conf on Amorphous and Liquid Semiconductors** Rome, Italy *5/84*

2–13 → **NATO Advanced Study Institute Laser Surface Treatment of Metals** San Miniato, Italy (C. W. Draper, AT&T Technologies, P.O. Box 900, Princeton, NJ 08540)

2–20 → **Wksp on Phys of Nonconventional Energy Sources and Material Sci for Energy** [Int. Ctr. for Theor. Phys.] Trieste, Italy (Int. Ctr. for Theoretical Physics, Workshop on the Physics of Nonconventional Energy Sources, PO Box 586, I-34100, Trieste, Italy)

4–6 → **5th Int Symp on Electrets** Heidelberg, W. Germany (G. M. Sessler, Inst. for Electroacoustics, Techn. Univ. of Darmstadt, Merkstrasse 25, D-6100 Darmstadt, FR of Gy [49-6151-16-2869]) [2/1/85]

5–14 **Course and Wksp on Applications of rf Waves to Tokamak Devices** Varenna, Italy *3/84*

8–13 → **6th Int Free-Electron Laser Conf** Tahoe City, CA (D. Prosnipz, LLL, P.O. Box 808, L-436, Livermore, CA 94550 [415-423-2435])

9–13 • **8th Int Conf on Noise in Physical Systems—3rd Int Conf on 1/f Noise** Rome (A. d'Amico, IESS, CNR, Via Cineto, Romana 46, 00156 Roma, Italy) **note changed date**

9–13 → **Int Conf on Hypernuclear and Kaon Phys** Upton, NY (R. E. Chrien, Bldg. 510, Department of Physics, Brookhaven National Laboratory, Upton, NY 11973)

10–12 **2nd Conf Exhibition on Sensors and Applications** Southampton, UK *5/84*

15–19 → **14th NATAS Conf** San Francisco, CA (J. Elder, Univ. of Kentucky, Inst. for Minerals & Mining, Iron Works Pike, P.O. Box 13015, Lexington, KY 40583 [606-252-5535])

15–1 → **30th Scottish Univ Sum Sch in Phys: Synchrotron Radiation Sources and Applications** Aberdeen, Scotland and Daresbury Lab, England (P. Woodruff, Dept. of Natural Philosophy, Aberdeen U., Aberdeen AB9 2UE, UK)

16–18 → **Conf on Strength and Structure in Carbons and Graphites** [IOP] University of Liverpool, United Kingdom (The Institute of Physics, 47 Belgrave Sq., London SW1X 8QX)

23–25 → **1st Int Symp on Aeorgel** Universität Würzburg, West Germany (J. Fricke, Phys. Inst. Universität, Am Hubland, D-8700 Würzburg, FRG)

23–27 → **13th Int Conf on Solid State Nuclear Track Detectors** [ENEA, INFN] Rome, Italy (L. Tommasiono, CRE-Casaccia, Casella Postale N. 2400, S.P. Anguillarese, 301, 00100 ROMA A.D., Italy) [4/30/85]

25–1 → **Wksp on the Generation of High Fields for Particle Acceleration to Very High Energies** [CAS, ECFA, INFN] Laboratori Naxionali dell' INFN, Frascati (P. Bryant, CERN, Geneva)

30–4 → **3rd Int Symp on Radiation Physics** Ferrara, Italy (E. Casnati, Istituto di Fisica Generale dell' Universita di Ferrara, Via Paradiso 12, I-44100 Ferrara, Italy)

OCTOBER 1985

10–12 → **Conf on Heat and Detachment in Crustal Extension on Continents and Planets** Sedona, AZ (P. Jones, LPI projects Office, Lunar and Planetary Inst., 3303 NASA Road 1, Houston, TX 77058 [713-486-2150])

13–17 → **1985 AIME Fall Mtg Irradiation Effects Associated with Ion Implantation** Toronto, Ontario (E. P. Simonen, Battelle-Pacific Northwest Lab., PO Box 999, Richland, WA 99352 [509-376-3124]) [2/1/85]

13–18 **12th Eur Conf on the Phys and Chem of Complex Nuclear Reactions** Neve Ilan, Israel *5/84*

13–19 → **Int Energy Conf and Exhib** [U. Puerto Rico, U. Miami] San Juan, Puerto, Rico (Juan A. Bonnet Jr, Ctr for Energy and Environment Research, U. Puerto Rico, GPO Box 3682, San Juan, PR 00936 [809-767-0350])

15–18 **OSA Ann Mtg** Washington, DC *3/84*

20–23 → **19th Int Thermal Conductivity Conf** Cookeville, TN (D. W. Yarbrough, Dept. of Chem. Engineering, P.O. Box 3013 TTU, Cookeville, TN 38505 [615-528-3297]) [8/2/85]

20–24 → **4th Symp on Separation Sci and Tech for Energy Applications** [DOE, ORNL, ACS Div of Indust & Eng Chem.] Knoxville, TN (J. T. Bell, Oak Ridge Nat. Lab., P.O. Box X, Oak Ridge, TN 37831)

21–25 → **11th Ann Int Symp for Testing and Failure Analysis** Long Beach, CA (D. McCormac, ISTFA, P.O. Box 4110, Torrance, CA 90510 [213-217-4346]) [4/1/85]

28–30 → **17th Ann Symp on Optical Materials for High-Power Lasers** Nat. Bureau of Standards, Boulder, CO (A. H. Guether, Air Force Weapons Lab. CCN, Kirtland Air Force Base, NM 87117-6008) [8/15/85]

28–1 → **7th Int Wksp on Laser Interaction and Related Plasma Phenomena** Naval Postgraduate School, Monterey, CA (G. H. Miley, University of Illinois at Urbana–Champaign, Fusion Studies Laboratory, 214 Nuclear Engineering Laboratory, 103 South Goodwin Avenue, Urbana, IL 61801 [217-333-3772]) [4/1/85]

31–3 → **DPF Ann Mtg** Santa Fe, NM (G. West, MS-B258, Los Alamos Nat. Lab., Los Alamos, NM 87545)

NOVEMBER 1985

4–7 → **2nd Int Conf on Fundamentals of Fracture** [ORNL, NBS] Gatlinburg, TN (S. M. Ohr, Solid State Div., Oak Ridge Nat. Lab., Oak Ridge, TN 37831)

4–8 **110th Ann Mtg of ASA** Nashville, TN *11/83*

CALL FOR PAPERS

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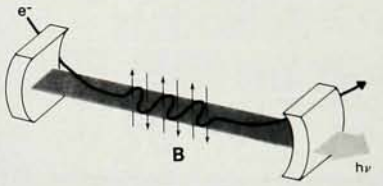

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Subject Areas, Suggested Topics

Radiation Characteristics of Insertion Devices

A. Theoretical Modeling
B. Contrasts between Wigglers, Undulators, Optical Klystrons, Free Electron Lasers, etc.
C. Practical modeling including phase-space effects and finite-period effects. Tabulations of plots. Experimental data.
D. Novel and conjectural devices, theories and insights. (e.g., microwave undulators, superconducting rings, polarizing undulators, etc.)

Interaction of Insertion Devices with e^- Beams in Rings

A. Machine physics
B. Theoretical modeling of problems (stability, ion attraction, etc.)
C. Practical design characteristics and considerations

Hardware Properties of Insertion Devices

A. Critical parameters in modeling
B. Permanent magnet technology
C. Superconducting technology
D. Microwave undulator technology

Optics Based in Insertion Devices

A. Mirrors
B. Monochromators

Abstract deadline: May 27, 1985. For more information, contact:

Dr. Ingolf Lindau
Dr. Roman Tatchyn
Stanford Synchrotron Radiation Laboratory
P.O. Box 4349, Bin 69
Stanford, CA 94305
Telephone 415/854-3300 ext. 2874

or

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Insertion Devices-PT 131
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7–9 **Mtg of Texas Sec of AAPT** College Station, TX *5/84*

18–22 **32nd Nat Vacuum Symp** Houston, TX *1/84*

DECEMBER 1985

2–6 → **8th Int Conf on Lasers '85** Las Vegas, NV (Lasers '85, P.O. Box 245, McLean, VA 22101 [703-642-5835])

2–7 → **IAU Symp No 120 on Astrochemistry** Goa, India (S. P. Tarafdar, Theoretical Astrophysics Group, TIFR, Bombay-400 005, India)

9–13 **10th Int Conf on Infrared & Millimeter Waves** Orlando, FL *5/84*

JANUARY 1986

5–8 **167th Mtg of AAS** Houston, TX *5/84*

27–30 **APS/AAPT Mtg** Atlanta, GA *1/84*

FEBRUARY 1986

10–15 → **4th Int Symp on Quantum Optics** University of Waikato, Hamilton, New Zealand (D. F. Walls, Dept. of Phys., University of Waikato, Hamilton, New Zealand)

MARCH 1986

17–21 • **APS March Mtg** Las Vegas, NV (W. W. Havens Jr, 335 E. 45th St., New York, NY 10017) **note changed date and location**

MAY 1986

12–16 **111th ASA Mtg** Cleveland, OH *1/84*

June 1986

22–27 → **1986 Ann Mtg of ACA** McMaster University, Hamilton, Ontario, Canada (M. Teeter, Chem. Dept., Boston University, 675 Commonwealth Ave., Boston, MA 02215 [617-353-2490])

JULY 1986

16–23 → **23rd Int Conf on High-Energy Phys** Berkeley, CA (S. C. Loken, 50-137 Lawrence Berkeley Lab., U Cal., Berkeley, CA 94720)

AUGUST 1986

4–8 → **8th Int Conf on Vacuum Ultraviolet Radiation Phys** Lund, Sweden (L. Hedin, Inst. of Theoretical Phys., Lund University, Sölvegatan 14A, S-223 62 Lund, Sweden)

25–30 → **IUPAP Int Nuc Phys Conf** [IUPAP] Harrogate, UK (IOP 47 Belgrave Sq., London SW1X 8QX)

SEPTEMBER 1986

3–13 → **Course and Wksp on Basic and Advanced Fusion Plasma Diagnostic Techniques** Verenna, Villa Monastero, Italy (E. Sindni, Dipartmento di Fisica, International School of Plasma Physics, 16 via Celoria, Milano, 1-20133 Italy) [6/15/86]

8–11 **16th Eur Solid State Device Res Conf** Cambridge, UK *7/84*

28–1 → **13th Int Symp on Gallium Arsenide and Related Compounds** Hilton Head, SC (C. M. Wolfe, Washington Univ., Box 1127, St. Louis, MO 63130)

OCTOBER 1986

26–31 **33rd AVS Nat Vacuum Symp** Baltimore, MD *1/84*

DECEMBER 1986

8–12 → **112th ASA Mtg** Anaheim, CA (B. Goodfriend, ASA, 335 E. 45th St., New York, NY 10017 [212-661-9404])

17–19 → **Ann Solid State Phys Conf 1986** [IOP] Imperial College, England (E. P. Wohlfarth, Dept. of Mathematics, Imperial College, London SW7 2BZ, England)

MAY 1987

11–15 **113th ASA Mtg** Indianapolis, IN *7/84*

AUGUST 1987

12–20 → **14th Cong of the Int Union of Crystallography** Perth, Western Australia (E. N. Maslen, Crystallography Centre, University of Western Australia, Nedlands W. A., Australia 6009)

OCTOBER 1987

27–30 **34th AVS Nat Vacuum Symp** San Diego, CA *1/84*

NOVEMBER 1987

16–20 **114th ASA Mtg** Miami, FL *7/84*

MAY 1988

16–20 **115th ASA Mtg** Seattle, WA *7/84* □