PHYSICS DEPARTMENT SEMINARS
(formerly Theoretical Physics Seminars)

18 Oct 1965  Dr J M Charap (QMC)
Report on the Oxford Conference on elementary particle physics
25 Oct 1965  Prof M E Fisher (King's)
A new approach to statistical mechanics
1 Nov 1965   Dr J P Elliott (Sussex)
Charge independent pairing correlations in nuclei
8 Nov 1965   Prof A B Pippard (Cambridge)
Conduction electrons in strong magnetic field
15 Nov 1965  Prof R E Peierls (Oxford)
Realistic forces and finite nuclei
22 Nov 1965  Dr T W B Kibble (Imperial)
Broken symmetries
29 Nov 1965  Prof G Gamow (Colorado and Cambridge)
Cosmological theories
6 Dec 1965   Prof D Bohm (Birkbeck)
Collective coordinates in phase space
13 Dec 1965  Dr D J Rowe (Harwell)
Time-dependent Hartree-Fock theory and vibrational models
17 Jan 1966  Prof J M Ziman (Bristol)
Band structure: the Greenian method and the t-matrix
24 Jan 1966  Dr T P McLean (Malvern)
Lasers and their radiation
31 Jan 1966  Prof E J Squires (Durham)
The bootstrap theory of elementary particles
7 Feb 1966   Prof G Feldman (Johns Hopkins and Imperial)
Current commutators and coupling constants
14 Feb 1966  Dr W E Parry (Oxford)
Momentum distribution in liquid helium
21 Feb 1966  Dr O Penrose (Imperial)
Inequalities for the ground state of an interacting Bose system
7 Mar 1966   Dr P K Kabir (Rutherford)
μ-mesonic molecules
14 Mar 1966  Prof L R B Elton (Battersea)
Towards a realistic shell model potential
21 Mar 1966  Prof I M Khalatnikov (Moscow)
Stability of a lattice of vortices
2 May 1966   Dr G H Burkhardt (Birmingham)
High energy scattering on deuterons
9 May 1966   Prof L M Falicov (Chicago & Cambridge)
Theory of the de Haas-van Alphen effect
16 May 1966  Prof H Jones (Imperial)
Electrons in nearly periodic fields
23 May 1966  Dr A M Lane (Harwell)
A comprehensive theory of nuclear reactions
6 Jun 1966   Prof P C Martin (Harvard & Paris)
Microscopic theory of superfluidity
10 Oct 1966  Prof P G de Gennes (Paris)
Nuclear magnetic resonance in type II superconductors

17 Oct 1966  Prof D J Thouless (Birmingham)
Solid 3He as an ideal Heisenberg anti-ferromagnet

24 Oct 1966  Dr R F Streater (Imperial)
Canonical quantisation

31 Oct 1966  Dr A J Leggett (Oxford)
Theory of a superfluid Fermi liquid

7 Nov 1966  Prof E H Sondheimer (Westfield)
Anisotropic electron scattering in metals

14 Nov 1966  Prof L Castillejo (Oxford and UCL)
Angular distribution in nuclear reactions

21 Nov 1966  Dr S Doniach (Imperial)
Spin fluctuations in Fermi liquids

28 Nov 1966  Dr Hong-Mo Chan (CERN)
High energy production processes

5 Dec 1966  Prof R J Blin-Stoyle (Sussex)
Nuclear β-decay: implications of partial conservation of axial current

12 Dec 1966  Prof G H A Cole (Hull)
Theory of liquids in equilibrium

16 Jan 1967  Prof Sir Nevill Mott (Cambridge)
The nature of wave functions of electrons in non-periodic lattices

23 Jan 1967  Dr R J N Phillips (Harwell)
Regge poles in high energy scattering

30 Jan 1967  Dr M H Macfarlane (Argonne & Oxford)
Quasi-particle approximations in the nuclear shell model

6 Feb 1967  Prof S F Edwards (Manchester)
Topological problems in statistical mechanics

13 Feb 1967  Dr J G Taylor (Oxford)
A survey of bootstrap methods in particle physics

20 Feb 1967  Prof D Bohm (Birkbeck)
Collective treatment of liquid helium

27 Feb 1967  Prof M Bailyn (Northwestern & Leeds)
Magnetic impurities: the Kondo effect

6 Mar 1967  Dr T W B Kibble (Imperial)
Effect of intense photon beams on electrons

13 Mar 1967  Dr R B Stinchcombe (Oxford)
Statistical mechanics of ferromagnetism

20 Mar 1967  Dr P V Landshoff (Cambridge)
Need identical particles be fermions or bosons?
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<td>Prof C A Coulson</td>
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<td>Commutator relations and the wave equation</td>
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Asymptotic form of correlation functions in classical and quantum fluids

21 Oct 1968  Prof J C Polkinghorne (Cambridge)  
Recent developments in Regge theory

28 Oct 1968  Prof J S Chisholm (Canterbury)  
Padé approximants and their applications

4 Nov 1968  Dr T W B Kibble (Imperial)  
Coherent states and infra-red divergences

11 Nov 1968  Dr J L Beeby (Harwell)  
Theory of phonons in liquids

18 Nov 1968  Dr H J Spencer (Imperial)  
Spin representations and quantum field theory

25 Nov 1968  Dr W Götz (Munich)  
Dispersion theory of the Kondo effect

2 Dec 1968  Prof J R Taylor (Colorado & Imperial)  
Must particles be bosons or fermions?

9 Dec 1968  Prof S Engelsberg (Massachusetts & Imperial)  
Spin fluctuations in nearly magnetic systems

13 Jan 1969  Prof F Calogero (Rome)  
Variable phase approach to potential scattering

20 Jan 1969  Dr V Heine (Cambridge)  
Quantum theory of cohesion and strucuture of metals

27 Jan 1969  Prof R E Cutkosky (Carnegie & Cambridge)  
Theory of analysis of scattering data

3 Feb 1969  Prof R F Streater (Bedford)  
Symmetry breakdown and scattering in the Heisenberg ferromagnet

10 Feb 1969  Prof M Wortis (Illinois & Imperial)  
Correlations and scaling in the 3-dimensional Ising model

17 Feb 1969  Dr B Renner (Cambridge)  
Current algebra and chiral SU(3) symmetry

24 Feb 1969  Prof G Lüders (Göttingen)  
Critical fields in superconductors

3 Mar 1969  Dr K J Barnes (Imperial)  
Non-linear pion Lagrangians

10 Mar 1969  Dr A Huber (Birmingham)  
Variational principles and stability in quantum statistical mechanics

17 Mar 1969  Prof J S Blair (Seattle & Surrey)  
Proton isobaric analogue resonances

24 Mar 1969  Prof D Amati (Orsay)  
Some remarks about duality

28 Apr 1969  Dr R Delbourgo (Imperial)  
Renormalisation of non-linear Lagrangians

5 May 1969  Prof G Feldman (Johns Hopkins & Imperial)  
Covariant angular momentum expansions

12 May 1969  Prof Sir Rudolf Peierls (Oxford)  
Use and misuse of Green's function techniques in transport theory

19 May 1969  Prof R A Ferrell (Maryland & Paris)  
Dynamical scaling of phase transitions
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<td>Properties of superpropagators in non-polynomial Lagrangian field theories</td>
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18 Oct 1971  Dr B U Felderhof (QMC)
Non-equilibrium statistical mechanics of one-dimensional binary systems

25 Oct 1971  Prof C Møller (Copenhagen)
Thermodynamic potentials in the theory of relativity

1 Nov 1971  Prof L Radicati (Pisa & Oxford)
Symmetry breaking in electromagnetic and weak interactions

8 Nov 1971  Prof S Mandelstam (Berkeley & Imperial)
Fermions in dual resonance models

15 Nov 1971  Prof G V Chester (Cornell & Sussex)
Wave functions for solid helium

22 Nov 1971  Prof E Leader (Westfield)
A new kinematic variable for high energy scattering

29 Nov 1971  Prof M J Buckingham (Western Australia & Cambridge)
Thermodynamics of critical phenomena

6 Dec 1971  Prof S F Edwards (Manchester)
Generalisations of the formalism of quantum mechanics, with applications to
disordered systems

17 Jan 1972  Prof J K Percus (NYU & MHMS)
The reduced density matrix approach

24 Jan 1972  Prof J R Fulco (Santa Barbara)
Unitary models of the Pomeron

31 Jan 1972  Prof J C Polkinghorne (Cambridge)
Deep inelastic scattering

14 Feb 1972  Prof R F Streater (Bedford)
Fermi particles associated with a two-dimensional boson field

21 Feb 1972  Prof J G Taylor (King's)
Recent developments in non-polynomial Lagrangians

28 Feb 1972  Dr C J Isham (Imperial)
Quantisation and gravity

6 Mar 1972  Dr S Gaunt (King's)
Scaling laws and the magnetic equation of state

13 Mar 1972  Prof J Bernstein (Stevens Institute & Oxford)
Symmetry principles in β-decay and second class currents

20 Mar 1972  Prof P W Anderson (Cambridge)
Theory of localisability: a new branch of many-body theory

24 Apr 1972  Prof S Deser (Brandeis & Paris)
Massless limit of massive electrodynamics

1 May 1972  Dr Chan Hong-Mo (Rutherford)
The many-body problem in strong interactions

8 May 1972  Prof Sir Rudolf Peierls (Oxford)
Phase transitions in 1, 2 and 3 dimensions

15 May 1972  Prof P J Dyson (Princeton)
Neutron capture levels and error-correcting codes

22 May 1972  Dr R Delbourgo (Imperial)
Renormalisation of a weak interaction model

5 Jun 1972  Dr T P McLean (Malvern)
Laser-modulated electrons
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Massive and massless spin-two mesons

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The new style in analytical dynamics

28 Oct 1974  Dr C H Llewellyn Smith (Oxford)  
A unified model for weak and electromagnetic interactions

4 Nov 1974  Prof D J Bohm (Birkbeck)  
A new notion of order in physics

11 Nov 1974  Dr Chan Hong-Mo (Rutherford)  
A unitary model for hadron collisions

18 Nov 1974  Dr A J Leggett (Sussex)  
The new phases of liquid He³

25 Nov 1974  Dr P V Landshoff (Cambridge)  
Scattering with large momentum transfer

2 Dec 1974  Dr J M Kosteerlitz (Birmingham)  
Renormalisation group and critical phenomena

9 Dec 1974  Dr E R Pike (Malvern)  
Photon statistics and correlations

13 Jan 1975  Dr R Delbourgo (Imperial)  
Super-symmetries

20 Jan 1975  Prof R F Streater (Bedford)  
Markov fields and Feynman integrals in Euclidean space

27 Jan 1975  Prof R McWeeny (Sheffield)  
The pseudo-potential concept, origin and applications

3 Feb 1975  Prof R Loudon (Essex)  
Coherence and non-linear optics

10 Feb 1975  Dr C J Isham (King's)  
Quantum gravity models with quantised matter

17 Feb 1975  Prof H E Hall (Manchester)  
Is there a superfluid velocity in He³?

24 Feb 1975  Prof J Callaway (LSU and Imperial)  
Theory of ferromagnetism in transition metals

3 Mar 1975  Prof E Leader (Westfield)  
Theories of proton-proton scattering at very high energies

10 Mar 1975  Dr R B Stinchcombe (Oxford)  
Disordered spin systems

17 Mar 1975  Prof R J Baxter (Canberra & Edinburgh)  
Exactly soluble models in statistical mechanics

28 Apr 1975  Dr H Osborn (Cambridge)  
Dynamical symmetries for particles

5 May 1975  Prof J P Elliott (Sussex)  
A perturbation approach to nuclear structure

12 May 1975  Dr A M Lane (Harwell)  
Some interesting problems in present day nuclear physics

19 May 1975  Prof S F Edwards (SRC)  
The theory of spin glasses

2 Jun 1975  Prof J M Blatt (New South Wales)  
A new transport phenomenon
13 Oct 1975  Dr D J Wallace (Southampton)
Renormalisation group methods on a lattice

20 Oct 1975  Prof M J Moravcsik (Oregon & Sussex)
What can we learn from polarisation experiments?

27 Oct 1975  Prof C J Thompson (Melbourne & Open University)
A classical theory of amorphous ferromagnets

3 Nov 1975  Dr D Bailin (Sussex)
Gauge theories of strong interactions

10 Nov 1975  Prof O Penrose (Open University)
Statistical mechanics of metastable states

17 Nov 1975  Dr M V Berry (Bristol)
Topologies of waves

24 Nov 1975  Dr I G Halliday (Imperial)
Solitons and the ergodic hypothesis

1 Dec 1975  Dr M A Moore (Sussex)
The possible phases of superfluid He³

8 Dec 1975  Prof L Castillejo (UCL)
A field theoretical view of dense nuclear matter

19 Jan 1976  Dr P Candelas (Oxford)
Particle production at black holes

26 Jan 1976  Prof I C Percival (QMC)
Semi-classical quantisation of bound states

2 Feb 1976  Dr C J Isham (King's)
Canonical quantum gravity

9 Feb 1976  Prof R F Streater (Bedford)
Linear and some non-linear solitons

23 Feb 1976  Dr A J Leggett (Sussex)
Recent developments in superfluid He³

1 Mar 1976  Prof S Deser (Brandeis & King's)
Duality properties of gauge fields

8 Mar 1976  Dr D D Burgess (Imperial)
Atoms in plasmas and potential applications of lasers

15 Mar 1976  Prof B S DeWitt (Austin & Oxford)
Quantum problems in curved space

3 May 1976  Dr N Rivier (Imperial)
Dynamics of the spin-boson model in solids

10 May 1976  Dr J Gunson (Birmingham)
Statistical mechanics of the two-dimensional Coulomb gas and the quantised sine Gordon equation

17 May 1976  Dr P Goddard (Cambridge)
Solitons and strings

24 May 1976  Prof R J Elliott (Oxford)
Theory of excitations in disordered crystals
18 Oct 1976  Dr C J Isham (Imperial)
Solitons and pions
25 Oct 1976  Prof L M Falicov (Berkeley & Cambridge)
Transfer matrix techniques for studying binary alloys
1 Nov 1976  Prof Sir Rudolf Peierls (Oxford)
Momentum of light in a refractive medium (Why Minkowski and Abraham were wrong)
8 Nov 1976  Prof D J Thouless (Birmingham)
Critical behaviour of a type II superconductor in a magnetic field
15 Nov 1976  Dr R J N Phillips (Rutherford)
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17 Jan 1977  Dr J M Kosterlitz (Birmingham)
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24 Jan 1977  Prof M F Atiyah (Oxford)
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31 Jan 1977  Dr P Goddard (Cambridge)
Extended objects in field theory
14 Feb 1977  Prof A Houghton (Brown & Sussex)
Critical phenomena and approximate renormalisation group calculations
21 Feb 1977  Dr P C W Davies (King's)
Quantum stress tensors in curved space
28 Feb 1977  Prof R C Arnold (Argonne & Rutherford)
Weak and electromagnetic interactions generated by a spontaneous breakdown of strong interaction symmetries
7 Mar 1977  Prof P Szekeres (Adelaide & Oxford)
Fibre bundles and gauge theories
14 Mar 1977  Prof M H L Pryce (Vancouver & Sussex)
The universe as seen from beyond the event horizon of a black hole
2 May 1977  Prof J Pati (Maryland & Imperial)
Quarks and leptons
9 May 1977  Dr D Sherrington (Imperial)
Effects of strong spatial disorder in magnetism
17 Oct 1977  Prof K J Barnes (Southampton)  
New elementary particle symmetries?

24 Oct 1977  Prof Sir Brian Pippard (Cambridge)  
The superconductor-normal interface

31 Oct 1977  Prof R H Dicke (Princeton & Cambridge)  
The enigma of solar oblateness

7 Nov 1977  Prof M Azbel (Tel Aviv)  
A physical approach to the investigation of DNA and RNA sequences

14 Nov 1977  Prof J G Taylor (King's)  
Quantising gravity

21 Nov 1977  Prof J E Enderby (Bristol)  
Recent progress in the structure of liquids

28 Nov 1977  Dr C J Isham (Imperial)  
Quantum field theory in a curved space-time

5 Dec 1977  Dr N Rivier (Imperial)  
Possibility of type I and type II ferromagnetism and antiferromagnetism

12 Dec 1977  Prof I C Percival (QMC)  
Recent developments in classical dynamics

16 Jan 1978  Prof A M Green (Helsinki & Sussex)  
The N-N potential and isobars in nuclei

23 Jan 1978  Dr L J Landau (Bedford)  
Phase transitions for classical lattice systems and quantum fields

30 Jan 1978  Prof Sir Sam Edwards (Cambridge)  
The role of functional integrals in physics

6 Feb 1978  Dr D Olive (Imperial)  
Solitons and gauge groups

13 Feb 1978  Prof B Widom (Cornell & Oxford)  

27 Feb 1978  Dr A D Yoffe (Cambridge)  
Electrons in ne and two dimensional solids

6 Mar 1978  Dr A J Leggett (Sussex)  
Possible macroscopic effects of the weak interaction

13 Mar 1978  Dr G Gibbons (Cambridge)  
Gravitational instantons and the high temperature limit of general relativity

21 Apr 1978  Prof R A Brandt (NYU)  
Monopoles

24 Apr 1978  Prof R F Streater (Bedford)  
Bose-Fermi correspondence in two dimensions

25 Apr 1978  Prof P van Nieuwenhuizen (Stony Brook)  
Supergravity: an introduction and some recent results

8 May 1978  Dr R S Ward (Oxford)  
Self-dual solutions of the Einstein equations

22 May 1978  Dr R Haydock (Cambridge)  
Electron localisation in weakly disordered systems
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19 Oct 1981  Dr A J G Hey (Southampton)
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26 Oct 1981  Prof N H March (Oxford)
Electronics and ionic ordering in condensed matter plasmas

2 Nov 1981  Dr T D Clark (Sussex)
Macroscopic quantum mechanics in superconductivity

9 Nov 1981  Prof L Castillejo (UCL)
A large toroidal quark bag model to explain the Judek effect

16 Nov 1981  Prof J B Pendry (Imperial)
The evolution of waves in disordered media

23 Nov 1981  Dr E Jakeman (RSRE Malvern)
Statistics of optical scintillation

30 Nov 1981  Dr E Abraham (Heriot-Watt)
Optical bistability and related devices

7 Dec 1981  Dr N Roley (Daresbury)
High spin states in nuclei

14 Dec 1981  Prof I C Percival (QMC)
The transition to chaos

18 Jan 1982  Dr N Dombey (Sussex)
Are weak and electromagnetic interactions unified?

25 Jan 1982  Prof J G Powles (Kent)
Computer simulations of liquids

1 Feb 1982  Dr J Yeomans (Southampton)
Commensurate-incommensurate phase transitions and the Devil's staircase

8 Feb 1982  Prof M YaAzbel (Tel Aviv)
Electrons, phonons, impurities and localisation

22 Feb 1982  Prof Sir Sam Edwards (Cambridge)
Phase changes and diffusion in entangled molecules

1 Mar 1982  Dr R W Munn (UMIST)
Electronic motion in organic crystals

8 Mar 1982  Prof J Essam (Westfield)
Percolation in directed systems

15 Mar 1982  Prof E B Davies (KCL)
A new approach to metastability

10 May 1982  Prof G Saunders (Bath)
Landau theory applied to elastic phase transitions

17 May 1982  Prof M V Berry (Bristol)
Structure in semiclassical spectra; a question of scale

24 May 1982  Dr G G Ross (RAL)
Supersymmetric grand unification

14 Jun 1982  Dr B Hiley (Birkbeck)
A quantum algebraic approach to generalised phase space
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Developments in superstrings

14 Oct 1985  Dr J C Maxwell (Durham)
Jet fragmentation variables

21 Oct 1985  Dr D Newns (Imperial)
Mean field theory of intermediate valence and heavy fermion systems

28 Oct 1985  Dr D Ross (Southampton)
Instantons in N=1 supersymmetric Yang-Mills theory

4 Nov 1985  Dr P McCarthy (QMC)
Renormalisation and the 20th century "exponential" function

11 Nov 1985  Prof D Olive (Imperial)
Critical exponents and infinite dimensional algebras

18 Nov 1985  Dr T C Choy (Imperial)
Structural and electronic properties of quasicrystals (Penrose tiles)

25 Nov 1985  Dr A MacKinnon (Imperial)
Quantum Hall effect

2 Dec 1985  Prof G G Emch (Rochester & Göttingen)
New classical properties of coherent states

9 Dec 1985  Dr P Goddard (Cambridge)
Infinite dimensional algebras and their physical properties

13 Jan 1986  Prof D J Kim (Aoyama & QMC)
Electron-phonon effects in magnetism

20 Jan 1986  Dr B J Carr (QMC)
Dark matter physics

27 Jan 1986  Dr G G Ross (Oxford)
Superstring inspired models

3 Feb 1986  Dr B L Györffy (Bristol)
First-principles theory of ferromagnetic phase transitions

10 Feb 1986  Dr A Bray (Manchester)
Scaling in spin glasses

17 Feb 1986  Dr P V Landshoff (Cambridge)
Stochastic quantisation and the axial gauge

24 Feb 1986  Dr F E Close (RAL)
Quarks in nuclei

3 Mar 1986  Dr G L Sewell (QMC)
PCT, gravitation, thermodynamics and all that

10 Mar 1986  Dr D Broadhurst (Open U)
Massless Feynman diagrams: 5 loops and beyond

21 Apr 1986  Dr R B Jones (QMC)
Dielectric properties of random two phase materials

28 Apr 1986  Pro E H Lieb (Princeton)
Model of crystallisation: a variant of the Hubbard model

12 May 1986  Dr A J G Hey (Southampton)
Transputers, occam and computational physics

22 Sep 1986  Dr J E Nelson (Turin)
Covariant canonical formalism for polynomial supergravity in any dimensions
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26 Oct 1987  Dr P Goddard (Cambridge)
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2 Nov 1987   Prof C J Isham (Imperial)
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9 Nov 1987   Dr M Gower (RAL)
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16 Nov 1987  Dr B J Hiley (Birkbeck)
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23 Nov 1987  Dr M Long (RAL)
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23 Nov 1987  Prof E Leader (Birkbeck)
            First failure of the quark-parton model?
7 Dec 1987   Prof P C W Davies (Newcastle)
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18 Jan 1988  Dr R Bickerton (JET)
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25 Jan 1988  Prof M V Berry (Bristol)
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22 Feb 1988  Prof M Pepper (Cambridge)
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29 Feb 1988  Dr G L Sewell (QMC)
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14 Mar 1988  Dr A I Solomon (Open U)
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21 Mar 1988  Prof B U Felderhof (Aachen)
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16 May 1988  Dr P P Martin (Birmingham)
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23 May 1988  Prof D Lichtenberg (Indiana)
            QCD and the potential approach to quarkonium
6 Jun 1988   Dr G Joyce (KCL)
            Hard hexagon model and modular functions
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15 Oct 1990  Dr J Keating (Bristol)  
Can one hear the chaos of a drum?  

22 Oct 1990  Dr R Kenway (Edinburgh)  
The UK QCD grand challenge  

29 Oct 1990  Prof P L Knight (Imperial)  
Squeezed light  

5 Oct 1990  Prof V Heine (Cambridge)  
Many-atom forces in solids  

12 Nov 1990  Dr I R Kenyon (Birmingham)  
Testing the equivalence principle  

19 Nov 1990  Dr D M Bird (Bath)  
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26 Nov 1990  Prof A A Carter (QMW)  
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3 Dec 1990  Dr A I M Rae (Birmingham)  
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10 Dec 1990  Dr S Klevenhagen (RLHMC & QMW)  
Advances in electron dosimetry  

14 Jan 1991  Dr J Gallop (NPL)  
Superconducting electronics - two revolutions?  

21 Jan 1991  Prof G Rickayzen (Kent)  
Inhomogeneous fluids - what van der Waals didn't do  

28 Jan 1991  Prof D Sherrington (Imperial)  
Statistical mechanics of the brain  

4 Feb 1991  Dr M Miles (Bristol)  
STM and AFM - the new microscopies  

11 Feb 1991  Dr A D Caplin (Imperial)  
High temperature superconductors - mysterious but successful?  

18 Feb 1991  Prof G M Rowan-Robinson (QMW)  
Dark matter  

4 Mar 1991  Prof E Domany (Weizmann & Oxford)  
Universality in 2-dimensional cellular structures (soap froth)  

11 Mar 1991  Dr B Martin (SPRU, Sussex)  
Who spends what on university science - an international comparison  

22 Apr 1991  Prof M Fleischmann (Southampton)  
The strange behaviour of deuterium dissolved in metal host lattices  

29 Apr 1991  Dr N Rivier (Imperial)  
Crystallography of composite flowers, universality, mode-locking and dynamical maps  

13 May 1991  Dr K Green (RAL)  
Ultracold neutrons and the electric dipole moment of the neutron  

20 May 1991  Prof A Lyne (Jodrell Bank)  
Millisecond pulsars  

3 Jun 1991  Prof P Twin (Liverpool)  
Superdeformed nuclei  

10 Jun 1991  Dr R Marshall (RAL)  
e⁺e⁻→hadrons: a fundamental process  

17 Jun 1991  Dr G G Ross (Oxford)  
On the implications of a 17 keV neutrino
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<td>$C_{60}$: Buckminsterfullerene; the celestial sphere that fell to Earth</td>
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10 May 1993  Prof E F Corrigan (Durham)
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17 May 1993  Prof D V Bugg (QMW)
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7 Jun 1993  Prof O Penrose (Heriot-Watt)
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28 Nov 1994  Prof M A Moore (Manchester)
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<td>Professor Jerome Gauntlett</td>
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