Richard Dendy: Publications January 2019

Books

“Plasma Physics: An Introductory Course”
R O Dendy, editor

“Plasma Dynamics”
R O Dendy

Refereed Journal Articles

(181) “Core plasma ion cyclotron emission driven by fusion-born ions”
R Ochoukov, R Bilato, V Bobkov, B Chapman, S C Chapman, R O Dendy, et al.
Nuclear Fusion 59, 014001 (2019)

(180) “Nonlinear wave interactions generate high-harmonic cyclotron emission from fusion-born protons during a KSTAR ELM crash”
B Chapman, R O Dendy, S C Chapman, et al.
Nuclear Fusion 58, 096027 (2018)

(179) “Intrinsic ELMing in ASDEX Upgrade and global control system-plasma self-entrainment”
S C Chapman, P T Lang, R O Dendy, et al.
Nuclear Fusion 58, 126003 (2018)

(178) “Control system-plasma synchronization and naturally occurring edge localized modes in a tokamak”
S C Chapman, P T Lang, R O Dendy, et al.
Physics of Plasmas 25, 062511 (2018)

(177) “Observations and modelling of ion cyclotron emission observed in JET plasmas using a sub-harmonic arc detection system during ion cyclotron resonance heating”
Nuclear Fusion 58, 096020 (2018)

(176) “Observations of core ion cyclotron emission on ASDEX Upgrade tokamak”
R Ochoukov, V Bobkov, B Chapman, R Dendy, et al.

(175) “Particle acceleration during merging-compression plasma start-up in the Mega Amp Spherical Tokamak”

(174) “Quantifying fusion born ion populations in magnetically confined plasmas using ion cyclotron emission”
L Carbajal, R O Dendy, S C Chapman and J W S Cook

(173) “Stimulated emission of fast Alfvén waves within magnetically confined fusion plasmas”
J W S Cook, R O Dendy and S C Chapman

(172) “Sub-microsecond temporal evolution of edge density during edge localized modes in KSTAR tokamak plasmas inferred from ion cyclotron emission”

(171) “Efficient generation of energetic ions in multi-ion plasmas by radio-frequency heating”
Y O Kazakov, V G Kiptily, Y Lin, et al.

(170) “Overview of progress in European medium sized tokamaks towards an integrated plasma-edge/wall solution”

(169) “Overview of recent physics results from MAST”

(168) “Overview of the JET results in support to ITER”
X Litaudon, S Abduallev, M Abhangi, et al.

(167) “The global build-up to intrinsic ELM bursts and comparison with pellet triggered ELMs seen in JET”
S C Chapman, R O Dendy, P T Lang, N W Watkins, F A Calderon, M Romanelli, T N Todd and JET Contributors

(166) “Delay time embedding of mass loss avalanches in a fusion plasma-oriented sandpile model”
C A Bowie, R O Dendy and M J Hole
“Overview of MAST results”
I T Chapman, J Adamek, R J Akers, S Allen, …, R O Dendy, …, T Yamada and S Zoletnik

“Electron kinetics inferred from observations of microwave bursts during edge localised modes in the Mega-Amp Spherical Tokamak”

“Velocity space evolution of a minority energetic electron population undergoing the anomalous Doppler instability”
W N Lai, S C Chapman and R O Dendy

“A quantitative model for heat pulse propagation across large helical device plasmas”
H Zhu, R O Dendy, S C Chapman and S Inagaki

“The global build-up to intrinsic edge-localized mode bursts seen in divertor full flux loops in JET”
S C Chapman, R O Dendy, T N Todd, N W Watkins, F A Calderon, J Morris and JET Contributors

“Ion cyclotron emission from fusion-born ions in large tokamak plasmas: a brief review from JET and TFTR to ITER”
R O Dendy and K G McClements
_Plasmaphysics and Controlled Fusion_ **57**, 044002 (2015)

“Fast particle-driven ion cyclotron emission (ICE) in tokamak plasmas and the case for an ICE diagnostic in ITER”
K G McClements, R d’Inca, R O Dendy, L Carbajal, S C Chapman, J W S Cook, R W Harvey, W W Heidbrink and S D Pinches

“Ion pre-acceleration in fully self-consistent PIC simulations of supercritical perpendicular reforming shocks in multiple ion species plasmas”
V L Rekaa, S C Chapman and R O Dendy
(157) “Time-resonant tokamak plasma edge instabilities?”
A J Webster, R O Dendy, F A Calderon, S C Chapman, E Delabie, …, and JET EFDA Contributors

(156) “Transitions to improved confinement regimes induced by changes in heating in zero-dimensional models for tokamak plasmas”
H Zhu, S C Chapman, R O Dendy and K Itoh

(155) “Relationship of edge localized mode burst times with divertor flux loop signal phase in JET”
S C Chapman, R O Dendy, T N Todd, N W Watkins, A J Webster, …, and JET EFDA Contributors

(154) “Plasma blob formation by ion kinetic Kelvin-Helmholtz and interchange instabilities”
P W Gingell, S C Chapman and R O Dendy

(153) “Linear and nonlinear physics of the magnetoacoustic cyclotron instability of fusion-born ions in relation to ion cyclotron emission”
L Carbajal, R O Dendy, S C Chapman and J W S Cook

(152) “Modelling the measured local time evolution of strongly nonlinear heat pulses in the Large Helical Device”
R O Dendy, S C Chapman and S Inagaki

(151) “Overview of physics results from MAST towards ITER/DEMO and the MAST Upgrade”
H Meyer, I Abel, R Akers, …, R O Dendy, …, S Zoletnik, R Zagorski

(150) “Self-consistent nonlinear kinetic simulations of the anomalous Doppler instability of suprathermal electrons in plasmas”
W N Lai, S C Chapman and R O Dendy

(149) “Identifying low-dimensional dynamics in type-I edge-localised-mode processes in JET plasmas”
F A Calderon, R O Dendy, S C Chapman, A J Webster, B Alper, R M Nicol, *et al.*
(148) “Particle-in-cell simulations of the magnetoacoustic cyclotron instability of fusion-born alpha-particles in tokamak plasmas”
J W S Cook, R O Dendy and S C Chapman

(147) “Statistical characterization and classification of edge-localized plasma instabilities”
A J Webster and R O Dendy

(146) “Robustness of predator-prey models for confinement regime transitions in fusion plasmas”
H Zhu, S C Chapman and R O Dendy

(145) “Plasma heating by ion gyro-scale blobs in the kinetic and fluid regimes”
P W Gingell, S C Chapman and R O Dendy

(144) “Nonclassical transport and particle-field coupling: from laboratory plasmas to the solar wind”

(143) “Vorticity scaling and intermittency in drift-interchange plasma turbulence”
P D Dura, B Hnat, J Robinson and R O Dendy

(142) “Transport and evolution of ion gyro-scale plasma blobs in perpendicular magnetic fields”
P W Gingell, S C Chapman, R O Dendy and C S Brady

(141) “Gyrobunching and wave-particle resonance in the lower hybrid drift instability”
J W S Cook, R O Dendy and S C Chapman

(140) “Overview of physics results from MAST”
B Lloyd, R J Akers, F Alladio, *et al*., R O Dendy, M Wisse and S Zoletnik
*Nuclear Fusion* **51**, 094013 (2011)

(139) “Self consistent kinetic simulations of lower hybrid drift instability resulting in electron current driven by fusion products in tokamak plasmas”
J W S Cook, S C Chapman, R O Dendy and C S Brady
Plasma Physics and Controlled Fusion 53, 065006 (2011)

(138) “Electron current drive by fusion-product-excited lower hybrid drift instability”
J W S Cook, S C Chapman and R O Dendy


(137) “A code to solve the Vlasov Fokker-Planck equation applied to particle transport in magnetic turbulence”
W A Hornsby, A R Bell, R J Kingham and R O Dendy

Plasma Physics and Controlled Fusion 52, 075011 (2010)

(136) “Finite Larmor radius effects on test particle transport in drift wave-zonal flow turbulence”
J M Dewhurst, B Hnat and R O Dendy

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(135) “Overview of physics results from MAST”
H Meyer, R Akers, F Alladio,…,R O Dendy,…,S Zoletnik and O Zolotukhin

Nuclear Fusion 49, 104017 (2009)

(134) “Quantifying the anisotropy and solar cycle dependence of ‘1/f’ solar wind fluctuations observed by Advanced Composition Explorer”
R M Nicol, S C Chapman and R O Dendy


(133) “The effects of nonuniform magnetic field strength on density flux and test particle transport in drift wave turbulence”
J M Dewhurst, B Hnat and R O Dendy

Physics of Plasmas 16, 072306 (2009)

(132) “Spatial correlation of solar wind fluctuations and their solar cycle dependence”
R T Wicks, S C Chapman and R O Dendy


(131) “Statistical properties of edge plasma turbulence in the Large Helical Device”
J Dewhurst, B Hnat, N M Ohno, R O Dendy, S Masuzaki, T Morisaki and A Komori

Plasma Physics and Controlled Fusion 50, 095013 (2008)

(130) “Characterisation of edge turbulence in relation to edge magnetic field configuration in Ohmic L-mode plasmas in the Mega Amp Spherical Tokamak”
B Hnat, B D Dudson, R O Dendy, G F Counsell, A Kirk and the MAST Team

Nuclear Fusion 48, 085009 (2008)

(129) “The signature of evolving turbulence in the quiet solar wind as seen by Ulysses”
R M Nicol, S C Chapman and R O Dendy

(128) “Fusion, space, and solar plasmas as complex systems”
R O Dendy, S C Chapman and M Paczuski

(127) “Intermittency, dissipation and scaling in two-dimensional magnetohydrodynamic turbulence”
J A Merrifield, S C Chapman and R O Dendy
Physics of Plasmas 14, 012301 (2007)

(126) “Overview of physics results from MAST”
B Lloyd, R J Akers, F Alladio, R O Dendy, M Wisse and the MAST and NBI Teams

(125) “Mutual information as a tool for identifying phase transitions in dynamical complex systems with limited data”
R T Wicks, S C Chapman, and R O Dendy

(124) “Characterisation and interpretation of strongly nonlinear phenomena in fusion, space, and astrophysical plasmas”
R O Dendy and S C Chapman

(123) “Two-stream instability in collisionless shocks and foreshocks”
M E Dieckmann, B Eliasson, P K Shukla, N J Sircombe and R O Dendy

(122) “Aspects of electron acoustic wave physics in laser backscatter from plasmas”
N J Sircombe, T D Arber, and R O Dendy

(121) “Phase speed of electrostatic waves: the critical parameter for efficient electron surfing in plasmas”
M E Dieckmann, N J Sircombe, P K Shukla, M Parviainen and R O Dendy

(120) “The scaling properties of two-dimensional compressible magnetohydrodynamic turbulence”
J A Merrifield, T D Arber, S C Chapman and R O Dendy
Physics of Plasmas 13, 012305 (2006)

(119) “Surfatron and stochastic acceleration of electrons in astrophysical plasmas”
K G McClements, R O Dendy, M E Dieckmann, A Ynnerman and S C Chapman

(118) “Comparison of L-mode and H-mode plasma edge fluctuations in the Mega-Amp Spherical Tokamak”
B D Dudson, R O Dendy, A Kirk, H Meyer and G F Counsell

(117) “Theoretical investigations of frequency sweeping in the Mega-Amp Spherical Tokamak”
R G L Vann, R O Dendy, and M P Gryaznevich

(116) “Perpendicular shock reformation and ion acceleration”
S C Chapman, R E Lee and R O Dendy

(115) “The scaling properties of dissipation in incompressible MHD turbulence”
J A Merrifield, W C Müller, S C Chapman, and R O Dendy

(114) “Mutual information between geomagnetic indices and the solar wind as seen by WIND: implications for propagation time estimates”
T K March, S C Chapman, and R O Dendy

(113) “Accelerated electron populations formed by Langmuir wave-caviton interactions”
N J Sircombe, T D Arber, and R O Dendy
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(112) “Reforming perpendicular shocks in the presence of pickup protons: initial ion acceleration”
R E Lee, S C Chapman, and R O Dendy

(111) “Ion acceleration processes at reforming collisionless shocks”
R E Lee, S C Chapman, and R O Dendy

(110) “Recurrence plots and their transformations: visualisation, quantification, and comparison of patterns in natural data”
T K March, S C Chapman, and R O Dendy

(109) “Laboratory plasma astrophysics experiments using lasers”
N C Woolsey, C Courtois, and R O Dendy

(108) “Robustness and scaling: key observables in the dynamic magnetosphere”
S C Chapman, R O Dendy, and N W Watkins

(107) “Complexity and criticality in fusion, space, and astrophysical plasmas”
R O Dendy, S C Chapman, and T K March

(106) “Experiment on collisionless plasma interaction with applications to supernova remnant physics”
C Courtois, R A D Grundy, A D Ash, D M Chambers, N C Woolsey, R O Dendy, and K G McClements

(105) “Off-axis electron cyclotron heating and the sandpile paradigm for transport in tokamak plasmas”
T K March, S C Chapman, R O Dendy, and J A Merrifield

(104) “Numerical simulations of local shock reformation and ion acceleration in supernova remnants”
R E Lee, S C Chapman, and R O Dendy

(103) “Probability distribution functions for ELM bursts in a series of JET tokamak discharges”
J Greenhough, S C Chapman, R O Dendy, and D J Ward

(102) “Transport and confinement in the Mega Amp Spherical Tokamak”
R J Akers, J W Ahn, ..., R O Dendy, ...(MAST team)

(101) “Solar flares as cascades of reconnecting magnetic loops”
D Hughes, M Paczuski, R O Dendy, P Helander, and K G McClements

(100) “Fully nonlinear phenomenology of the Berk-Breizman system”
R G L Vann, R O Dendy, G Rowlands, T Arber, and N d'Ambrumenil
(99) “Statistical characterisation of full-disk EUV/XUV solar irradiance and correlation with solar activity”
J Greenhough, S C Chapman, R O Dendy, V M Nakariakov, and G Rowlands

(98) “Self organisation of edge and internal pedestals in a sandpile”
S C Chapman, R O Dendy, and B Hnat

(97) “Identification of a 12-17 day timescale in X-ray observations of GRS 1915+105”
J Greenhough, S C Chapman, S Chaty, R O Dendy, and G Rowlands

(96) “Electron pre-acceleration mechanisms in the foot region of high Alfvénic Mach number shocks”
H Schmitz, S C Chapman, and R O Dendy

(95) “Energetic particles in magnetic confinement systems: synergies beyond fusion”
R O Dendy, K G McClements, M E Dieckmann and N C Woolsey
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(94) “The influence of electron temperature and magnetic field on cosmic ray injection at high Mach number shocks”
H Schmitz, S C Chapman and R O Dendy

(93) “The role of clustering effects in non-diffusive transport in tokamaks”
J P Graves, R O Dendy, K I Hopcraft, and E Jakeman

(92) “Characterising anomalous transport in accretion discs from X-ray observations”
J Greenhough, S C Chapman, S Chaty, R O Dendy and G Rowlands
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(91) “Non-Gaussian transport in strong plasma turbulence”
S V Annibaldi, G Manfredi, and R O Dendy

(90) “Surfatron and stochastic acceleration of electrons at supernova remnant shocks”
K G McClements, M E Dieckmann, A Ynnerman, S C Chapman and R O Dendy

(89) “Shock acceleration of cosmic rays: a critical review”
J G Kirk and R O Dendy
(88) “A sandpile model with tokamak-like enhanced confinement phenomenology”
S C Chapman, R O Dendy and B Hnat

(87) “Zonal flow and streamer generation in drift turbulence”
G Manfredi, R O Dendy and C M Roach

(86) “Collisionless shock and supernova remnant simulation experiments on VULCAN”
N C Woolsey, ... , P Carolan, R O Dendy, P Helander, ... , S J Rose

(85) “A simple avalanche model for astroplasma and laboratory confinement systems”
S C Chapman, R O Dendy and B Hnat

(84) “Testing the SOC hypothesis for the magnetosphere”
N W Watkins, M P Freeman, S C Chapman and R O Dendy

(83) “Electron acceleration due to high frequency instabilities at supernova remnant shocks”
M E Dieckmann, K G McClements, S C Chapman, R O Dendy and L O’C Drury

(82) “Evidence for strange kinetics in Hasegawa-Mima turbulent transport”
S V Annibaldi, G Manfredi, R O Dendy and L O’C Drury

(81) “Sawtooth evolution during JET ICRH pulses”
J P Graves, K I Hopcraft, R O Dendy, R J Hastie, K G McClements and M Mantsinen

(80) “A sandpile model with dual scaling regimes for laboratory, space and astrophysical plasmas”
S C Chapman, R O Dendy and G Rowlands

(79) “Robustness of collective behaviour in strongly driven avalanche models: magnetospheric implications”
N W Watkins, S C Chapman, R O Dendy and G Rowlands
(78) “Exactly solvable sandpile with fractal avalanching”
P Helander, S C Chapman, R O Dendy, G Rowlands and N W Watkins

(77) “Ion cyclotron emission from JET deuterium-tritium plasmas”
K G McClements, C Hunt, R O Dendy and G A Cottrell

(76) “Energetic particles in plasma astrophysics”
R O Dendy and J G Kirk

(75) “On the role of self-organised criticality in accretion systems”
R O Dendy, P Helander and M Tagger

(74) “Fusion plasma experiments on TFTR: a twenty year retrospective”
R J Hawryluk, S Batha, ... , R O Dendy, ... , S J Zweben (Princeton team)

(73) “A simple avalanche model as an analogue for magnetospheric activity”
S Chapman, N Watkins, R O Dendy, P Helander and G Rowlands

(72) “Amplitude modulation of kinetic Alfvén waves and the formation of nonlinear structures”
P K Shukla, R Bingham and R O Dendy

(71) “On the appearance and non-appearance of self-organised criticality in sandpiles”
R O Dendy and P Helander

(70) “Sandpiles, silos and tokamak phenomenology: a brief review”
R O Dendy and P Helander

(69) “TFTR DT experiments”
J D Strachan, S Batha, ... , R O Dendy, ... , S J Zweben (Princeton team)

(68) “Deuterium-tritium plasmas in novel regimes in the Tokamak Fusion Test Reactor”
M G Bell, S Batha, ... , R O Dendy, ... , S J Zweben (Princeton team)
(67) “Conversion of neutrinos in dense plasmas”
R Bingham, R A Cairns, J M Dawson, R O Dendy, C N Lashmore-Davies and V N Tsytovich

(66) “Interpretation of measurements of ICRF heated minority proton distributions in JET”
K G McClements, R O Dendy and A Gondhalekar

(65) “Transport properties of energetic particles in a turbulent electrostatic field”
G Manfredi and R O Dendy

(64) “Alpha-particle physics in the Tokamak Fusion Test Reactor DT experiment”
S J Zweben, S H Batha, ..., R O Dendy, ..., V Yavorski (Princeton alpha-particle physics team)

(63) “Acceleration of cosmic ray electrons by ion-excited waves at quasi-perpendicular shocks”
K G McClements, R O Dendy, R Bingham, J G Kirk and L O'C Drury

(62) “Simulation of relativistic electron generation in underdense laser plasma experiments”
G Manfredi, R Bingham and R O Dendy

(61) “Ponderomotive force acceleration of ions in the auroral region”
P K Shukla, L Stenflo, R Bingham and R O Dendy

(60) “Modelling of sawtooth destabilisation during radio-frequency heating experiments in the Joint European Torus”
K G McClements, R O Dendy, R J Hastie and T J Martin

(59) “Test-particle transport in strong electrostatic drift turbulence with finite Larmor radius effects”
G Manfredi and R O Dendy

(58) “Scattering of electromagnetic waves by counter-rotating vortex streets in plasmas”
R Guerra, J T Mendonca, R O Dendy and P K Shukla

(57) “Excitation of ion cyclotron harmonic waves in cosmic ray shocks”
K G McClements, R O Dendy, L O’C Drury and P Duffy

(56) “Interpretation of ion cyclotron emission from sub-Alfvénic fusion products in the Tokamak Fusion Test Reactor”
K G McClements, R O Dendy, C N Lashmore-Davies, G A Cottrell, S Cauffman and R Majeski

(55) “Vlasov gyrokinetic simulations of ion-temperature-gradient driven instabilities”
G Manfredi, M Shoucri, R O Dendy, A Ghizzo and P Bertrand

(54) “Overview of DT results from TFTR”
M G Bell, K M McGuire, ... , R O Dendy, ... , S Zweben (Princeton team)

(53) “Alfvénic behaviour of alpha-particle driven ion cyclotron emission in TFTR”
S Cauffman, R Majeski, K G McClements and R O Dendy

(52) “Ion cyclotron emission due to collective instability of fusion products and beam ions in JET and TFTR”
R O Dendy, K G McClements, C N Lashmore-Davies, G A Cottrell, R Majeski and S Cauffman

(51) “Stabilistation of the ideal m = 1 internal kink by alpha particles and ICRF-heated ions”
K G McClements, R O Dendy, C G Gimblett, R J Hastie and T J Martin

(49) Electrostatic solitary structures in non-thermal plasmas”
R A Cairns, A A Mamun, R Bingham, R Bostrom, R O Dendy, C M C Nairn and P K Shukla

(48) “Recent D-T results on TFTR”
D W Johnson, V Arunasalam, ... , R O Dendy, ... , S J Zweben (Princeton team)

(47) “Anomalous transport and particle acceleration at shocks”
P Duffy, J G Kirk, Y A Gallant and R O Dendy

(46) “Fokker-Planck modelling of auroral wave-particle interactions”
R O Dendy, B M Harvey, M O’Brien and R Bingham

(45) “Review of deuterium-tritium results from the Tokamak Fusion Test Reactor”
K M McGuire, H Adler, ... , R Dendy, ... , S Zweben (Princeton team)

(44) “A model for ideal $m = 1$ internal kink stabilization by minority ion cyclotron resonant heating”
R O Dendy, R J Hastie, K G McClements and T J Martin

(43) “Interpretation of ion cyclotron emission from fusion and space plasmas”
R O Dendy

(42) “A mechanism for beam-driven excitation of ion cyclotron harmonic waves in TFTR”
R O Dendy, K G McClements, C N Lashmore-Davies, R Majeski and S Cauffman

(41) “A model for the generation of obliquely propagating ULF waves near the geomagnetic equator”
K G McClements, R O Dendy and C N Lashmore-Davies

(40) “Superthermal ion cyclotron emission from fusion and space plasmas: a single physical mechanism”
R O Dendy, C N Lashmore-Davies, K G McClements, K F Kam and G A Cottrell

(39) “The excitation of obliquely propagating fast Alfvén waves at fusion ion cyclotron harmonics”
R O Dendy, C N Lashmore-Davies, K G McClements and G A Cottrell

(38) “Scattering of electromagnetic waves by drift turbulent vortices in a plasma”
R O Dendy and J T Mendonca

(37) “Ion cyclotron emission - a natural diagnostic for fusion alpha-particles”
R O Dendy, C N Lashmore-Davies, G A Cottrell, K G McClements and K F Kam


(36) “Ion cyclotron emission measurements during JET deuterium-tritium experiments”


(35) “Electromagnetic ion cyclotron instability driven by a hot minority ion species with temperature anisotropy”
C N Lashmore-Davies, R O Dendy and K F Kam


(34) “Ion cyclotron wave emission at the quasi-perpendicular bow shock”
R O Dendy and K G McClements


(33) “The magnetoacoustic cyclotron instability of an extended shell distribution of energetic ions”
R O Dendy, C N Lashmore-Davies and K F Kam


(32) “Ion cyclotron harmonic wave generation by ring protons in space plasmas”
K G McClements and R O Dendy


(31) “A gyrokinetic calculation of transmission and reflection of the fast wave in the ion cyclotron range of frequencies”
C N Lashmore-Davies, V Fuchs and R O Dendy


(30) “A possible excitation mechanism for observed superthermal ion cyclotron emission from tokamak plasmas”
R O Dendy, C N Lashmore-Davies and K F Kam


(29) “Trapped-passing fluid model for tokamak neoclassical transport”
R W Harvey and R O Dendy


(28) “Gyrokinetic theory of fast wave transmission with arbitrary wavenumber in a non-uniformly magnetised plasma”
C N Lashmore-Davies and R O Dendy

(27) “Wave propagation near a cyclotron resonance in a non-uniform equilibrium magnetic field”
R A Cairns, C N Lashmore-Davies, R O Dendy, B M Harvey, R J Hastie and H Holt

(26) “Lagrangian dynamics of a charged particle in a tokamak magnetic field”
R O Dendy

(25) “On the anomalous Doppler/inner Lindblad resonance”
R O Dendy

(24) “The absorption of electron cyclotron waves in the vicinity of an extremum of the equilibrium magnetic field”
C N Lashmore-Davies, R O Dendy and R J Hastie

(23) “Gyrokinetic theory of perpendicular cyclotron resonance in a non-uniformly magnetised plasma”
C N Lashmore-Davies and R O Dendy

(22) “Sawtooth oscillations in ion cyclotron emission from JET”
P Schild, G A Cottrell and R O Dendy

(21) “Gyrokinetic theory of perpendicular ion cyclotron resonance”
C N Lashmore-Davies and R O Dendy

(20) “Effect of energy loss on electron cyclotron current drive in tokamaks”
R O Dendy and M R O'Brien

(19) “Resonant interval action transfer between coupled harmonic oscillators”
R O Dendy

(18) “Linear mode conversion and the operator theory of wave mechanics”
R O Dendy

(17) “Superthermal radiation from fusion products in JET”
G A Cottrell and R O Dendy
(16) “Fine structure in the energy deposition in a heated rotating toroidal plasma”
R O Dendy

(15) “Classical single particle dynamics of the anomalous Doppler resonance”
R O Dendy

(14) “On the canonical Hamiltonian structure of the drift equations of motion for a charged particle in a magnetic field”
R O Dendy

R O Dendy, A Montes and J P Leite

(12) “Comparison of theory with electron cyclotron current drive experiments on WT-2”
R O Dendy, M O'Brien, M Cox and D F H Start

(11) “Predictions of electron cyclotron current drive efficiency for a top-launched extraordinary mode in a tokamak”
R O Dendy, R W Harvey and M O'Brien

(10) “The single-particle and collective descriptions of the anomalous Doppler resonance and the role of ion dynamics”
R O Dendy, C N Lashmore-Davies and A Montes

(9) “Absorption of electron cyclotron radiation in tokamak plasmas with a superthermal tail in the electron velocity distribution”
A Montes and R O Dendy

(8) “Microwave radiation bursts and the superthermal electron velocity distribution in impulsive phase solar flares”
R O Dendy and C N Lashmore-Davies

(7) “Generation of hot closed helical bands by electron cyclotron resonance heating of
rational-q tokamak flux surfaces”
R O Dendy

(6) “A triple wave resonance model for the emission from tokamaks of narrow-band radiation at the plasma frequency”
R O Dendy, C N Lashmore-Davies and M Shoucri

(5) “Wave-wave resonance instabilities and electron velocity distribution tail structures”
R O Dendy and C N Lashmore-Davies

(4) “Fast timescale plasma turbulence and the collisionless tearing mode”
R O Dendy and D ter Haar

(3) “The effects of fast timescale turbulence on magnetohydrodynamical behaviour”
R O Dendy and D ter Haar

(2) “On the nonlinear development of the Langmuir modulational instability”
R O Dendy and D ter Haar

(1) “On the integration of a three-wave set of equations”
R O Dendy and D ter Haar