



Proceedings of the Tenth Joint Workshop on

Electron Cyclotron Emission and Electron Cyclotron Heating

Editors

**Tony Donné
Toon Verhoeven**

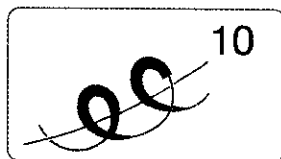


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**Electron Cyclotron Emission
and
Electron Cyclotron Heating**

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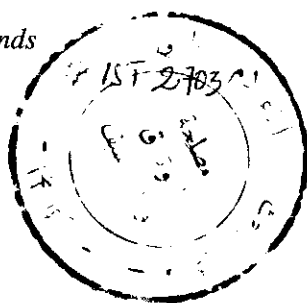
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Proceedings of the Tenth Joint Workshop on

Electron Cyclotron Emission and Electron Cyclotron Heating

*Ameland, the Netherlands
6-11 April 1997*



Editors

Tony Donn 
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*FOM-Inst.voor Plasmafysica "Rijnhuizen"
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**EC-10: 10th JOINT WORKSHOP ON ELECTRON CYCLOTRON EMISSION AND
ELECTRON CYCLOTRON RESONANCE HEATING**

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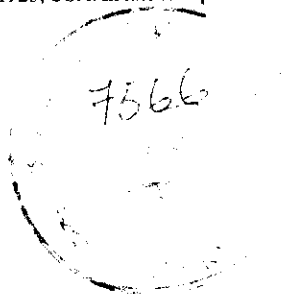
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PREFACE

The Tenth Joint Workshop on Electron Cyclotron Emission (ECE) and Electron Cyclotron Resonance Heating (ECH) was held at Ameland, the Netherlands from 6 to 11 April 1997. The meeting was hosted by the FOM-Instituut voor Plasmafysica "Rijnhuizen", with additional support from the European Commission, the "Koninklijke Nederlandse Academie voor Wetenschappen", the "Stichting SOFT", the "Stichting Physica", Elva, Gycom, CPI-Varian and Océ-van der Grinten.

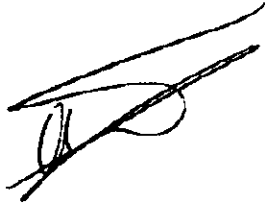
The series of EC workshops has provided a forum for technical discussions on ECE and ECH physics and technology, particularly as associated with controlled fusion research, and has been held regularly approximately every two years. The EC-10 Workshop started on 6 April, a historic day because it was exactly 1000 days before the start of the new millennium. Moreover, it was 20 years after the first meeting (EC-1), organized in Madison in 1972 and 25 years after the initiative to strengthen the international cooperation in the field of electron cyclotron physics was taken up by a group of four scientists.

The number of participants has slowly increased over the years. At the EC-10 workshop a total of 83 attendees from 15 countries presented 75 papers. For the first time in the series of EC workshops, poster sessions were organised, apart from the usual oral presentations, in order to have sufficient time available for discussions. Each poster was preceded by a 5 minute advertisement talk. There were no parallel sessions. The time schedule was kept precisely by 98% of the speakers, thanks to a digital sandclock with a non-linear time-scale. The papers in this collection have been reproduced directly from the authors' manuscripts.

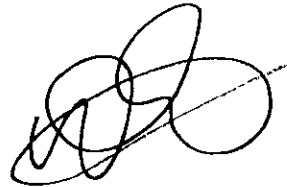
The workshop programme provided the participants with plenty of opportunities to socialize during various excursions, dinners and folklore performances. At the end of the workshop the organizers were very happy to have succeeded in creating a 'one-big-family' feeling amongst the participants. At the same time we had to regret that the members of this family had to separate for about two years to work out the many ideas that have emerged during the workshop, and to make further contributions to the still very dynamic field of electron cyclotron physics and technology.

The organizing committee would like to thank the workshop secretary Jeanne Marie Hamers who did a great job. Furthermore, thanks to Noud Oomens and Egbert Westerhof for acting as members of the local organizing committee, the members of the International Advisory Board: Marino Bornatici, Alan Costley, Walter Kasperek, Tim Luce and John Lohr, the discussion leaders: Egbert Westerhof, Derek Boyd, Chris Schüller and Manfred Thumm, the authors of the summary reports: Marino Bornatici, Doug Bartlett, Walter Kasperek and John Lohr, and the staff of d'Amelanders Kaap.

The next meeting of the series, EC-11, will most probably be hosted by JAERI in Japan in 1999, as a joint workshop with the IAEA Technical Committee Meeting on ECRH Physics and Technology for Fusion Devices.

A handwritten signature in black ink, consisting of a series of loops and a long horizontal stroke at the top.

Tony Donné

A handwritten signature in black ink, featuring a large, complex loop structure with a long horizontal stroke extending to the right.

Toon Verhoeven

CONTENTS

Preface	v
ELECTRON CYCLOTRON THEORY	1
Summary of the theory session <i>M. Bornatici</i>	3
Quasi-optical effects of microwave beams for current drive <i>S. Nowak, E. Lazzaro and G. Ramponi</i>	5
Comparison of methods for description of diffraction in an anisotropic plasma <i>A.G. Peeters, G.V. Pereverzev and E. Westerhof</i>	17
Comments on the paper "Comparison of methods for description of diffraction in an anisotropic plasma" by A.G. Peeters, G.V. Pereverzev and E. Westerhof <i>S. Nowak, E. Lazzaro and G. Ramponi</i>	25
Reply to the comment of Nowak et al. <i>A.G. Peeters, G.V. Pereverzev and E. Westerhof</i>	27
The influence of diffraction and warm plasma dispersion on the energy deposition profiles for the quasioptical wave beams at ECRH in large toroidal installations <i>M.A. Gavrilova and M.D. Tokman</i>	31
Wave propagation and ray-tracing near cyclotron resonance <i>E. Westerhof</i>	39
Thermal effects on EC ray tracing <i>L.K. Kuznetsova and R.W. Harvey</i>	47
Nonlinear coherent structures formation near plasma and cyclotron resonances <i>T.A. Davydova</i>	55
Resolving multiharmonic cyclotron emission into upshifted and downshifted components <i>V. Krivenski</i>	67
Stabilisation of neoclassical tearing modes by ECCD <i>H. Zohm</i>	75

Edge synchrotron radiation in high-beta fusion reactors <i>G. Giruzzi and F. Romanelli</i>	83
Current profile control using fast frequency tuning in ECRH and ECCD <i>O. Dumbrajs, J.A. Heikkinen and H. Zohm</i>	91
ECE diagnostic on ITER: a feasibility study <i>M. Bornatici and U. Ruffina</i>	99
Electron cyclotron autoresonance and current drive in ITER <i>A.Yu. Kuyanov, A.A. Skovoroda, A.V. Timofeev and A.V. Zvonkov</i>	107
ELECTRON CYCLOTRON DIAGNOSTICS	115
Summary of the diagnostics session <i>D.V. Bartlett</i>	117
Temperature fluctuation measurements <i>H.J. Hartfuss and M. Häse</i>	119
ECE fluctuation measurements on the W7-AS stellarator <i>M. Häse, H.J. Hartfuss and C. Watts</i>	131
Correlation of temperature and density fluctuations on W7-AS <i>M. Häse, H.J. Hartfuss and M. Hirsch</i>	139
Comparison of temperature fluctuation measurements using different techniques <i>C. Watts, H.J. Hartfuss, M. Häse and G. Cima</i>	147
High frequency (Langmuir) plasma fluctuations as tool for analysis of internal state of plasma under OH and ECH on T-10 tokamak <i>V.I. Poznyak, A.A. Bagdasarov, V.V. Pterskii and A.N. Yakovets</i>	155
Electron cyclotron emission imaging <i>G. Cima, B. Deng, C.W. Domier, R.P. Hsia, C. Liang, N.C. Luhmann Jr. and D.L. Brower</i>	163
The TORE-SUPRA ECE heterodyne radiometer and electron temperature profile measurements <i>J.L. Ségui, P. Gomez and G. Giruzzi</i>	169

Design of a 32 channel heterodyne electron cyclotron emission system for installation on Alcator C- mod	177
<i>J.W. Heard, R.F. Gandy, C. Watts, G. Cima and A. Hubbard</i>	
Electron cyclotron absorption experiments at RTP	185
<i>J.F.M. van Gelder, H.S. Miedema, A.A.M. Oomens, A.J.H. Donné, F.C. Schüller and the RTP team</i>	
Results from an electron cyclotron absorption diagnostic on the TdeV tokamak	193
<i>D.A. Boyd and F. Skiff</i>	
Temperature profile perturbations measured by high-resolution ECE diagnostics	201
<i>P.C. de Vries, A.J.H. Donné, F.C. Schüller, G. Waidmann and A. Krämer-Flecken</i>	
Measurement of 3rd harmonic of ECE-radiation at TEXTOR-94	209
<i>A. Krämer-Flecken, G. Waidmann and P.C. de Vries</i>	
Applications of high spatial and temporal resolution ECE measurements on JET	217
<i>L. Porte, D.V. Bartlett, G. Conway and P. Smeulders</i>	
ECE measurements on HT-7 superconducting tokamak	225
<i>S.Y. Zhang, Y.X. Wan, J.K. Xie, J.G. Li, Y.X. He, G.L. Kuang, J.R. Luo, B.N. Wan, Z.S. Fang, K.J. Wang and HT-7 Group</i>	
Electron cyclotron emission in TJ I-U during sinusoidally modulated ECRH	233
<i>E. de la Luna, V. Krivenski, T. Estrada and J. Sanchez</i>	
Non-thermal electron energy distribution from vertical ECE-measurements at the W7-AS stellarator	241
<i>W. Pernreiter, U. Gasparino, H.J. Hartfuss, H. Maassberg, M. Romé and N. Marushchenko</i>	
Determination of wall reflectivity for ECE frequencies in DIII-D	249
<i>M.E. Austin, R.F. Ellis and T.C. Luce</i>	
Physics aspects of the ITER ECE system design	255
<i>D.V. Bartlett</i>	

Technical aspects of the ITER ECE diagnostic front end design <i>G. Vayakis, C. Lippert, C. Walker and the EU Home Team</i>	263
Flux collectors for ECE diagnostics on ITER <i>P. Buratti, M. Zerbini, P. de Bernardis and M. de Petris</i>	271
Recent developments in plasma ion diagnostics using collective scattering of millimeter waves <i>T.P. Hughes, H. Bindslev, J. Egedal and J.A. Hoekzema</i>	277
Local measurements of ion temperature from CTS spectra at W7-AS <i>E.V. Suvorov, L.V. Lubyako, S.E. Fil'chenkov, N.K. Skalyga, V. Erckmann, E. Holzhauer and W. Kasperek</i>	289
ELECTRON CYCLOTRON EXPERIMENTS	297
Summary of the experiment session <i>J. Lohr</i>	299
Electron cyclotron wave (ECW) on TCV: The ECW system and its operation <i>M.Q. Tran, T.P. Goodman, M. Henderson, A. Pochelon, S. Alberti, S. Barry, R. Behn, M. Bourqui, F. Buhlmann, S. Coda, M.J. Dutch, B.P. Duval, D. Fasel, A. Favre, S. Franke, I. Furno, F. Hofmann, J.-Ph. Hogge, P.F. Isoz, B. Joye, J.B. Lister, X. Llobet, P. Mandrin, Ph. Marmillod, Y. Martin, J.-M. Moret, Ch. Nieswand, Z.A. Pietrzyk, P.J. Paris, A. Perez, R.A. Pitts, H. Reimerdes, O. Sauter, W. van Toledo, G. Tonetti, H. Weisen, Y.V. Esipchuk, A.A. Martynov, K.A. Razumova, I.N. Roy and R.W. Harvey</i>	305
Recent ECRH and ECCD experiments at W7-AS <i>H.P. Laqua, V. Erckmann, W7-AS team and ECRH-group</i>	317
The 110 GHz ECH installation on DIII-D: status and initial experimental results <i>J. Lohr, R.W. Callis, R.C. O'Neill, D. Ponce, T.C. Luce, M.E. Austin, M. Murakami and D. Zhang</i>	329
75 GHz ECR plasma heating in the L-2M stellarator <i>D. Akulina, G. Batanov, M. Berezhetskii, I. Danilkin, O. Fedyanin, G. Gladkov, S. Grebenshchikov, N. Kharchev, Yu. Kholnov, Yu. Kuznetsov, L. Kovrizhnykh, N. Larionova, K. Likin, A. Meshcheryakov, K. Sarksyian, I. Shitnikova and S. Shchepetov</i>	341

ECRH deposition studies in ASDEX Upgrade <i>F. Leuterer, A.G. Peeters, G. Pereverzev, F. Ryter, ECRH- and ASDEX Upgrade Teams</i>	349
First and second harmonic ECCD experiments in RTP <i>R.W. Polman, J. Lok, E. Westerhof, F.A. Karelse, O.G. Kruyt, A.A.M. Oomens, F.C. Schüller and the RTP-team</i>	357
Long pulse ECRH experiments at 140 GHz on FTU tokamak <i>S. Cirant, R. Bozzi, A. Bruschi, F. Gandini, G. Granucci, V. Meller, V. Muzzini, A. Simonetto, C. Sozzi, N. Spinicchia, M. Zerbini and the FTU Team</i>	369
Further evidence of a thermal transport barrier near the $q=1$ rational surface in the RTP tokamak <i>P. Galli, G. Gorini, P. Mantica, F. de Luca, A. Jacchia, M.R. de Baar, G.M.D. Hogeweij and N.J. Lopes Cardozo</i>	379
Electron thermal transport barriers and bifurcation of confinement in discharges with off-axis electron cyclotron heating in RTP <i>M.R. de Baar, G.M.D. Hogeweij, N.J. Lopes Cardozo, A.A.M. Oomens, F.C. Schüller and the RTP team</i>	389
Measurement and characterization of nonthermal ECE during ECRH in RTP <i>J.F.M. van Gelder, E. Westerhof, F.C. Schüller and A.J.H. Donné</i>	395
Nonthermal ECE at the plasma edge during the H-mode <i>A.G. Peeters, W. Suttrop and the ASDEX Upgrade Team</i>	403
On- and off-axis modulation: "obscure" transport or ECRH deposition effect? <i>U. Gasparino, V. Erckmann, H.J. Hartfuss, H. Maassberg and M. Romé</i>	411
Electron cyclotron instability under powerful electron cyclotron heating on T-10 tokamak. <i>V.I. Poznyak, A.A. Bagdasarov, V.V. Pterskii and A.N. Yakovets</i>	419
Cyclotron and collective microwave emission under ohmical heating and lower hybrid pumping of the FT-2 tokamak plasma <i>V.N. Budnikov, V.V. Dyachenko, L.A. Esipov, E.R. Its, S.V. Krikunov, S.I. Lashkul, K.A. Podushnikova, V.V. Rozhdestvensky, S.A. Fefelov and S.P. Yaroshevich</i>	427

Electron heat diffusivity in the sawtooth tokamak core <i>G. Cima, A. Wootton, B.H. Deng, C.W. Domier, N.C. Luhmann Jr. and D. Brower</i>	435
Applications of electron cyclotron waves in ITER <i>B. Lloyd</i>	443
ELECTRON CYCLOTRON TECHNIQUES	455
Summary of the techniques session <i>W. Kasperek</i>	457
Development of high power gyrotron for ECH/ECCD in JAERI <i>K. Sakamoto, A. Kasugai, M. Tsuneoka, K. Takahashi, Yu. Ikeda, T. Yamamoto, T. Imai, T. Kariya, Y. Okazaki, K. Hayashi, Y. Mitsunaka, Y. Hirata, T. Shimosuma, M. Sato and K. Ohkubo</i>	463
Coaxial cavity gyrotron with dual RF-beam output <i>B. Piosczyk, O. Braz, G. Dammertz, C.T. Iatrou, S. Kern, M. Kuntze, G. Michel, A. Möbius, M. Thumm, V.A. Flyagin, V.I. Khishnyak, A.B. Pavelyev and V.E. Zapevalov</i>	475
Step-tunable 1 MW broadband gyrotron with Brewster window <i>G. Dammertz, O. Braz, M. Kuntze, B. Piosczyk and M. Thumm</i>	483
Prospective sources of coherent millimeter and submillimeter wavelength radiation <i>V.L. Bratman, Yu.K. Kalynov, N.G. Kolganov, M.M. Ofitserov, S.V. Samsonov, A.V. Savilov and A.B. Volkov</i>	489
Electron beam line and mm-wave experiments of the Fusion-FEM <i>W.H. Urbanus, W.A. Bongers, G. van Dijk, P.J. Eecen, B.S.Q. Elzendoorn, C.A.J. van der Geer, R. de Kruif, P. Manintveld, J. Pluygers, A.J. Poelman, P.R. Prins, F.C. Schüller, P.H.M. Smeets, A.B. Sterk, M. Valentini, A.G.A. Verhoeven and M.J. van der Wiel</i>	497
Microwave measurements and engineering at the Fusion-FEM <i>W.A. Bongers, G. van Dijk, B.S.Q. Elzendoorn, C.A.J. van der Geer, R. de Kruif, P. Manintveld, J. Pluygers, A.J. Poelman, P.R. Prins, F.C. Schüller, P.H.M. Smeets, A.B. Sterk, M. Valentini, A.G.A. Verhoeven, M.J. van der Wiel and W.H. Urbanus</i>	507

Simulations on electron beam transport and radiation gain in the Fusion FEM <i>M. Valentini, P.J. Eecen, C.A.J. van der Geer, A.G.A. Verhoeven, W.H. Urbanus and M. Caplan</i>	515
Start-up system for ITER <i>H. Kumric and H. Zohm</i>	523
A design study for the ECH launcher for ITER <i>R. Prater, H.J. Grunloh, C.P. Moeller, J.L. Doane, R.A. Olstad, M. Makowski and R.W. Harvey</i>	531
ITER related gyrotron activity in Russia <i>V.E. Zapevalov, V.V. Alikaev, G.G. Denisov, V.A. Flyagin, A.N. Kuftin, V.I. Kurbatov and V.E. Myasnikov</i>	541
Design and technical aspects of ITER ECRF systems <i>M. A. Makowski, F. Elio and D. Loesser</i>	549
Calculations and experiments on multi-beam transmission for the 140 GHz/10MW CW ECRH system on W7-X <i>L. Empacher, W. Förster, G. Gantenbein, W. Kasperek, H. Kumric, G.A. Müller, P.G. Schüller, K. Schwörer, U. Schumacher, D. Wagner and H. Zohm</i>	561
Calculations and experiments on $HE_{1,1}$ mode excitation by paraxial wave beams <i>G.G. Denisov, N.L. Alexandrov, A.A. Bogdashov, A.V. Chirkov, S.V. Kuzikov, D.V. Vinogradov and V.I. Malygin</i>	569
Application of oversized HE_{11} waveguides in broadband plasma diagnostic transmission lines <i>D. Wagner, W. Kasperek and G. Gantenbein</i>	581
Investigations on transmission lines with nonquadratic mirrors <i>G. Michel and E. Sanchez</i>	589
Coupling analysis of Gauss-Laguerre beam with hybrid mode <i>K. Ohkubo, S. Kubo, H. Idei, M. Sato, T. Shimozuma and Y. Takita</i>	597

Technical developments in the 110 GHz ECR system of RTP	605
<i>A.A.M. Oomens, F.J. van Amerongen, W.A. Bongers, W. Kooijman, O.G. Kruijt, G. Land, R.W. Polman, F.C. Schüller, A.B. Sterk, A.G.A. Verhoeven, RTP-team, G.G. Denisov and D. Vinogradov</i>	
ECRH system for the TJ-II stellarator: design and calculations	613
<i>V. Tribaldos, A. Cappa, F. Castejon, A. Fernandez Curto, R. Martin, B.Ph. van Milligen and K.M. Likin</i>	
Model of plasma producer on surface cyclotron waves in metal waveguide with dielectric sheath	621
<i>N.A. Azarenkov, V.O. Girka and I.V. Pavlenko</i>	
Propagation of the surface cyclotron waves in plasma during ECRH	629
<i>V.O. Girka and I.V. Pavlenko and A.E. Sporov</i>	
List of Participants	637
Author Index	641