

10 PUBLICATIONS

10.1 REFEREED JOURNAL PUBLICATIONS

1. **Perpendicular shock reformation and ion acceleration**
Chapman S C, Lee R E, Dendy R O
Space Science Reviews **121**, 1-4 (2005)
2. **Complex spectra in fusion plasmas**
von Hellermann M G, Bertschinger G, Biel W, Giroud C,
Jaspers R, Jupen C, Marchuk O, O'Mullane M, Summers H P,
Whiteford A, Zastrow K D
Physica Scripta **T120**, 19 (2005)
3. **Simulation of internal transport barriers by means of the
canonical profile transport model**
Dnestrovskij Yu N, Cherkasov S V, Dnestrovskij A Yu,
Lysenko S E, Walsh M J
Plasma Physics Reports **32**, 1 (2006)
4. **JET, ITER and beyond**
Smith C L, Todd T, Ward D
Nuclear Engineering International **51**, 619 (2006)
5. **Grand canonical Monte Carlo simulations of intergranular
glassy films in β silicon nitride**
Hudson T S, Nguyen-Manh D, van Duin A C T, Sutton A P
Materials Science and Engineering:A **422**, 123 (2006)
6. **H-mode access in the low density regime on JET**
Andrew Y, Sartori R, Righi E, de la Luna E, Hacquin S, Howell
D F, Hawkes N C, Horton L D, Huber A, Korotkov A,
O'Mullane M G, JET-EFDA contributors
Plasma Physics and Controlled Fusion **48**, 479 (2006)
7. **Phase speed of electrostatic waves: the critical parameter
for efficient electron surfing acceleration**
Dieckmann M E, Sircombe N J, Parviainen M, Shukla P K,
Dendy R O
Plasma Physics and Controlled Fusion **48**, 489 (2006)
8. **Cross machine benchmarking for ITER of neoclassical
tearing mode stabilization by electron cyclotron current
drive**
La Haye R J, Prater R, Buttery R J, Hayashi N, Isayama A,
Maraschek M E, Urso L, Zohm H
Nuclear Fusion **46**, 451 (2006)

10 Publications

9. **Spectral broadening of lower hybrid waves produced by parametric instability in current drive experiments of tokamak plasmas**
Cesario R, Cardinali A, Castaldo C, Paoletti F, Fundamenski W, Hacquin S, JET-EFDA workprogramme contributors
Nuclear Fusion **46**, 462 (2006)
10. **Collective electric field effects on the confinement of fast ions in tokamaks**
McClements K G, Thyagaraja A
Physics of Plasmas **13**, 042503 (2006)
11. **The Joint European Torus. Plasma position and shape control in the world's largest tokamak**
Sartori F, De Tommasi G D, Piccolo F
IEEE Control Systems Magazine **26**, 64 (2006)
12. **The crystal/glass interface in doped Si₃N₄**
Winkelman G B, Dwyer C, Marsh C, Hudson T S, Nguyen-Manh D, Doblinger M, Cockayne D J H
Materials Science and Engineering:A **422**, 77 (2006)
13. **Multi-scale modelling of defect behavior in bcc transition metals and iron alloys for future fusion power plants**
Nguyen-Manh D, Dudarev S L
Materials Science and Engineering: A **423**, 74 (2006)
14. **The role of aspect ratio and beta in H-mode confinement scalings**
Kaye S M, Valovič M, Chudnovskiy A, Cordey J G, McDonald D, Meakins A, Thomsen K, Akers R, Bracco G, Brickley C, Bush C, Cote A, DeBoo J C, Greenwald M, Hoang G T, Hogweij D, Imbeaux F, Kamada Y, Kardaun O J W F, Kus A, Lebedev S, Leonov V, Lynch S, Martin Y, Miura Y, Ongena J, Pacher G, Petty C C, Romanelli M, Ryter F, Shinohara K, Snipes J, Stober J, Takizuka T, Tsuzuki K, Urano H
Plasma Physics and Controlled Fusion **48**, A429 (2006)
15. **The impact of statistical models on scalings derived from multi-machine H-mode threshold experiments**
McDonald D C, Meakins A J, Svensson J, Kirk A, Andrew Y, Cordey J G, ITPA H-mode Threshold Database WG
Plasma Physics and Controlled Fusion **48**, A439 (2006)
16. **Scaling of density peaking in JET H-modes and implications for ITER**
Weisen H, Zabolotsky A, Maslov M, Beurskens M, Giroud C, Mazon D, JET-EFDA contributors
Plasma Physics and Controlled Fusion **48**, A457 (2006)

17. **Interpretation of core localized Alfvén eigenmodes in DIII-D and Joint European Torus reversed magnetic shear plasmas**
Kramer G J, Nazikian R, Alper B, de Baar M, Berk H L, Fu G-Y, Gorelenkov N N, McKee G, Pinches S D, Rhodes T L, Sharapov S E, Solomon W M, van Zeeland M A, JET EFDA Contributors
Physics of Plasmas **13**, 056104 (2006)
18. **Cross-machine comparison of resonant field amplification and resistive wall mode stabilization by plasma rotation**
Reimerdes H, Hender T C, Sabbagh S A, Bialek J M, Chu M S, Garofalo A M, Gryaznevich M P, Howell D F, Jackson G L, La Haye R J, Liu Y Q, Menard J E, Navratil G A, Okabayashi M, Pinches S D, Sontag A C, Strait E J, Zhu W, Bigi M, de Baar M, de Vries P, Gates D A, Gohil P, Groebner R J, Mueller D, Raman R, Scoville J T, Solomon W M
Physics of Plasmas **13**, 056107 (2006)
19. **Modeling of resistive wall mode and its control in experiments and ITER**
Liu Y, Chu M S, Garofalo A M, La Haye R J, Gribov Y, Gryaznevich M, Hender T C, Howell D F, de Vries P, Okabayashi M, Pinches S D, Reimerdes H, EFDA-JET contributors
Physics of Plasmas **13**, 056120 (2006)
20. **Evolution of filament structures during edge-localized modes in the MAST tokamak**
Kirk A, Koch B, Scannell R, Wilson H R, Counsell G, Dowling J, Herrmann A, Martin R, Walsh M
Physical Review Letters **96**, 185001 (2006)
21. **Effect of plasma shaping on performance in the National Spherical Torus Experiment**
Gates D A, Maingi R, Menard J, Kaye S, Sabbagh S A, Taylor G, Wilson J R, Bell M G, Bell R E, Bernabei S, Bialek J, Biewer T, Blanchard W, Boedo J, Bush C, Carter M D, Choe W, Crocker N, Darrow D S, Davis W, Delgado-Aparicio L, Diem S, Ferron J, Field A, Foley J, Fredrickson E D, Harvey R, Hatcher R E, Heidbrink W, Hill K, Hosea J C, Jarboe T R, Johnson D W, Kaita R, Kessel C, Kubota S, Kugel H W, Lawson J, LeBlanc B P, Lee K C, Levinton F, Manickam J, Maqueda R, Marsala R, Mastrovito D, Mau T K, Medley S S, Meyer H, Mikkelsen D R, Mueller D, Munsat T, Nelson B A, Neumeyer C, Nishino N, Ono M, Park H, Park W, Paul S, Peebles W, Peng M, Phillips C, Pigarov A, Pinsker R, Ram A, Ramakrishnan S, Raman R, Rasmussen D, Redi M, Rensink M, Rewoldt G, Robinson J, Roney P, Roquemore L, Ruskov E, Ryan P, Schneider H, Skinner C H, Smith D R, Sontag A,

- Soukhanovskii V, Stevenson T, Stotler D, Stratton B, Stutman D, Swain D, Synakowski E, Takase Y, Tritz K, von Halle A, Wade M, White R, Wilgen J, Williams M, Zhu W, Zweben S J, Akers R, Beiersdorfer P, Betti R, Bigelow T
Physics of Plasmas **13**, 056122 (2006)
22. **Fully predictive time-dependent transport simulations of ITB plasmas in JET, JT-60U and DIII-D**
Tala T, Imbeaux F, Parail V V, Bourdelle C, Corrigan G, Garbet X, Heading D J, Litaudon X, Strand P I, Weiland J, JET-EFDA contributors
Nuclear Fusion **46**, 548 (2006)
23. **The role of the radial electric field for the transition to high confinement regimes**
Testa D, Garzotti L, Giroud C, JET-EFDA contributors
Nuclear Fusion **46**, 562 (2006)
24. **Electron temperature gradient driven transport in a MAST H-mode plasma**
Joiner N, Applegate D, Cowley S C, Dorland W, Roach C M
Plasma Physics and Controlled Fusion **48**, 685 (2006)
25. **Magneto-hydrodynamic stability of the H-mode transport barrier as a model for edge localized modes: an overview**
Wilson H R, Cowley S C, Kirk A, Snyder P B
Plasma Physics and Controlled Fusion **48**, A71 (2006)
26. **Survey of Type I ELM dynamics measurements**
Leonard A W, Asakura N, Boedo J A, Becoulet M, Counsell G F, Eich T, Fundamenski W, Herrmann A, Horton L D, Kamada Y, Kirk A, Kurzan B, Loarte A, Neuhauser J, Nunes I, Oyama N, Pitts R A, Saibene G, Silva C, Snyder P B, Urano H, Wade M R, Wilson H R and for the Pedestal and Edge Physics ITPA Topical Group
Plasma Physics and Controlled Fusion **48**, A149 (2006)
27. **Fuzzy logic and support vector machine approaches to regime identification in JET**
Murari A, Vagliasindi G, Zedda M K, Felton R, Sammon C, Fortuna L, JET-EFDA contributors
IEEE Transactions on Plasma Science **34**, 1013 (2006)
28. **Kinetic effects in laser-plasma coupling: Vlasov theory and computations**
Sircombe N J, Arber T D, Dendy R O
Journal de Physique IV **133**, 277 (2006)

29. **An FPGA-based multi-rate interpolator with real-time rate change for a JET test-bench system**
Batista A J N, Alves D, Cruz N, Sousa J, Varandas C A F, Joffrin E, Fleton R, Farthing J, JET-EFDA contributors
IEEE Transactions on Nuclear Science **53**, 756 (2006)
30. **'Infectious agents' damage materials**
Dudarev S
Materials World, **June 2006**, 21
31. **The calibration of the MAST neutron yield monitors**
Stammers K, Loughlin M J
Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, **562**, 521 (2006)
32. **Measurement of the electron energy distribution function by a Langmuir probe in an ITER-like hydrogen negative ion source**
Crowley B, Homfray D, Cox S J, Boilson D, de Esch H P L, Hemsworth R S
Nuclear Fusion **46**, S307 (2006)
33. **Prediction of neutron source, tritium production and activation for long-pulse operation of the ITER neutral beam test facility**
Jones T T C, Cox S J, Emmanoulidis A, Loughlin M J
Nuclear Fusion **46**, S352 (2006)
34. **Gas heating in the neutralizer of the ITER neutral beam injection systems**
Surrey E
Nuclear Fusion **46**, S360 (2006)
35. **JET experiments to assess the clamping of the fast ion energy distribution during ICRF heating due to finite Larmor radius effects**
Salmi A, Mantsinen M J, Beaumont P, de Vries P, Eriksson L-G, Gowers C, Helander P, Laxåback M, Noterdaeme J M, Testa D, EFDA JET contributors
Plasma Physics and Controlled Fusion **48**, 717 (2006)
36. **Confinement transitions (H-mode) in JET inner wall limiter plasmas**
Borba D, Alper B, Conway G D, Nunes I, Hacquin S, McDonald D C, Maddison G, Lomas P, Pinches S D, JET EFDA contributors
Plasma Physics and Controlled Fusion **48**, 757 (2006)

37. **Stability of the trapped electron mode in steep density and temperature gradients**
Connor J W, Hastie R J, Helander P
Plasma Physics and Controlled Fusion **48**, 885 (2006)
38. **Mirror test for International Thermonuclear Experimental Reactor at the JET tokamak: An overview of the program**
Rubel M J, De Temmerman G, Coad J P, Vince J, Drake J R, Le Guern F, Murari A, Pitts R A, Walker C, JET-EFDA contributors
Review of Scientific Instruments **77**, 063501 (2006)
39. **Toroidal and poloidal flows in single-fluid and two-fluid tokamak equilibria**
Thyagaraja A, McClements K G
Physics of Plasmas **13**, 062502 (2006)
40. **Destabilization of magnetosonic-whistler waves by a relativistic runaway beam**
Fülöp T, Pokol G, Helander P, Lisak M
Physics of Plasmas **13**, 062506 (2006)
41. **Modeling the effect of toroidal plasma rotation on drift-magnetohydrodynamic modes in tokamaks**
Chapman I T, Sharapov S E, Huysmans G T A, Mikhailovskii A B
Physics of Plasmas **13**, 062511 (2006)
42. **Real-time recovery of the electron density from interferometric measurements affected by fringe jumps**
Murari A, Zabeo L, Boboc A, Mazon D, Riva M
Review of Scientific Instruments **77**, 073505 (2006)
43. **Relativistic electron distribution function of a plasma in a near-critical electric field**
Sandquist P, Sharapov S E, Helander P, Lisak M
Physics of Plasmas **13**, 072108 (2006)
44. **Magnetic geometry, plasma profiles, and stability**
Connor J W
Plasma Physics Reports **32**, 539 (2006)
45. **Transmutation and phase stability of tungsten armor in fusion power plants**
Cottrell G A, Pampin R, Taylor N P
Fusion Science & Technology **50**, 89 (2006)

46. **Cross-field diffusion of electrons in tangled magnetic fields and implications for coronal fine structure**
Galloway R K, Helander P, MacKinnon A L
The Astrophysical Journal **646**, 615 (2006)
47. **Results from evaluation of a long pulse pilot data acquisition system on MAST**
McArdle G J, Milne P G
Fusion Engineering and Design **81**, 1759 (2006)
48. **MAST data acquisition system**
Shibaev S, Counsell G, Cunningham G, Manhood S J, Thomas-Davies N, Waterhouse J
Fusion Engineering and Design **81**, 1789 (2006)
49. **Real-time optical plasma edge detection and position control on MAST**
Storrs J, Dowling J, Counsell G, McArdle G
Fusion Engineering and Design **81**, 1841 (2006)
50. **Development review of transient recorders with onboard isolation on JET**
Jennison M, Alper B, Dorling S, Fullard K, Horton A, Lucock R, Perry C, Thomas P, JET EFDA contributors
Fusion Engineering and Design **81**, 1879 (2006)
51. **JET real-time project test-bench software structure**
Cruz N, Batista A J N, Alves D, Sousa J, Varandas C A F, Joffrin E, Felton R, Farthing J W, JET-EFDA contributors
Fusion Engineering and Design **81**, 1933 (2006)
52. **Electron microscope weak-beam imaging of stacking fault tetrahedra: observations and simulations**
Jenkins M L, Zhou Z, Dudarev S L, Sutton A P, Kirk M A
Journal of Materials Science **41**, 4445 (2006)
53. **Simulated electron energy loss spectra from a C70 crystal**
Nicholls R J, Nguyen-Manh N, Cockayne D J H
Micron **37**, 449 (2006)
54. **Neutron profiles and fuel ratio n_T/n_D measurements in JET ELMy H-mode plasmas with tritium puff**
Bonheure G, Popovichev S, Bertalot L, Murari A, Conroy S, Mlynar J, Voitsekhovitch I and JET-EFDA contributors
Nuclear Fusion **46**, 725 (2006)

55. **Hydrogen plasmas with ICRF inverted minority and mode conversion heating regimes in the JET tokamak**
Mayoral M-L, Lamalle P U, Van Eester D, Lerche E A, Beaumont P, De La Luna E, De Vries P, Gowers C, Felton R, Harling J, Kiptily V, Lawson K, Laxåback M, Lomas P, Mantsinen M J, Meo F, Noterdaeme J-M, Nunes I, Piazza G, Santala M, JET EFDA contributors
Nuclear Fusion **46**, S550 (2006)
56. **Study of slow $n = 1$, $m = 1$ reconnection in JET discharges with low central magnetic shear**
Buratti P, Alper B, Annibaldi S V, Becoulet A, Belo P, Bucalossi J, de Baar M, de Vries P, Frigione D, Gormezano C, Joffrin E, Smeulders P, JET-EFDA contributors
Plasma Physics and Controlled Fusion **48**, 1005 (2006)
57. **The coupling of shear and fast Alfvén waves at a magnetic X-point**
McClements K G, Shah N, Thyagaraja A
Journal of Plasma Physics **72**, 571 (2006)
58. **PPCS thermal analysis of bounding accident scenarios using improved computational modelling**
Pampin R, Karditsas P J, Loughlin M J, Taylor N P
Fusion Engineering and Design **81**, 2127 (2006)
59. **Data requirements for neutron activation: Part I: Cross sections**
Forrest R A
Fusion Engineering and Design **81**, 2143 (2006)
60. **Data requirements for neutron activation: Part II: Decay data**
Forrest R A
Fusion Engineering and Design **81**, 2157 (2006)
61. **L-mode SOL width scaling in the MAST spherical tokamak**
Ahn J-W, Counsell G F, Kirk A
Plasma Physics and Controlled Fusion **48**, 1077 (2006)
62. **Aspects of electron acoustic wave physics in laser backscatter from plasmas**
Sircombe N J, Arber T D, Dendy R O
Plasma Physics and Controlled Fusion **48**, 1141 (2006)

63. **Proton–triton nuclear reaction in ICRF heated plasmas in JET**
Santala M I K, Mantsinen M J, Bertalot L, Conroy S, Kiptily V, Popovichev S, Salmi A, Testa D, Baranov Yu, Beaumont P, Belo P, Brzozowski J, Cecconello M, deBaar M, deVries P, Gowers C, Noterdaeme J-M, Schlatter C, Sharapov S, JET-EFDA contributors
Plasma Physics and Controlled Fusion **48**, 1233 (2006)
64. **Gamma ray diagnostics of high temperature magnetically confined fusion plasmas**
Kiptily V G, Cecil F E, Medley S S
Plasma Physics and Controlled Fusion **48**, R59 (2006)
65. **Mathematical methods of plasma vertical stabilization in modern tokamaks**
Ovsyannikov D A, Veremey E I, Zhabko A P, Ovsyannikov A D, Makeev I V, Belyakov V A, Kavin A A, Gryaznevich M P, McArdle G J
Nuclear Fusion **46**, S652 (2006)
66. **Plasma formation in START and MAST spherical tokamaks**
Gryaznevich M, Shevchenko V, Sykes A
Nuclear Fusion **46**, S573 (2006)
67. **Radial interchange motions of plasma filaments**
Garcia O E, Bian N H, Fundamenski W
Physics of Plasmas **13**, 082309 (2006)
68. **The dimensionless scaling of ELMy H-mode confinement**
McDonald D C
Comptes Rendus Physique **7**, 584 (2006)
69. **Density diagnostic using Stark broadening of He 1 spectral line emission from Rydberg levels**
Koubiti M, Capes H, Godbert-Mouret L, Marandet Y, Meigs A, Rosato J, Rosmej F B, Stamm R
Contributions to Plasma Physics **46**, 661 (2006)
70. **Integrated ELM Modelling**
Lönneroth J-S, Bateman G, Becoulet M, Beyer P, Corrigan G, Figarella C, Fundamenski W, Garcia O E, Garbet X, Huysmans G, Janeschitz G, Johnson T, Kiviniemi T, Kuhn S, Kritz A, Loarte A, Naulin V, Nave F, Onjun T, Pacher G W, Pacher H D, Pankin A, Parail V, Pitts R, Saibene G, Snyder P, Spence J, Tskhakaya D, Wilson H
Contributions to Plasma Physics **46**, 726 (2006)

71. **On the use of a capacitive diaphragm gauge for dust detection in next-step fusion devices**
Counsell G, de Vere A P C, St. J. Braithwaite N, Hillier S, Bjorkman P
Review of Scientific Instruments **77**, 093501 (2006)
72. **Characterization of Alfvén cascades on the JET tokamak using a multi-channel O-mode reflectometer diagnostic**
Hacquín S, Alper B, Sharapov S, Borba D, Boswell C, Fessey J, Meneses L, Walsh M, JET EFDA contributors
Nuclear Fusion **46**, S714 (2006)
73. **Modelling of radial electric field profile for different divertor configurations**
Rozhansky V, Kaveeva E, Voskoboynikov S, Counsell G, Kirk A, Meyer H, Coster D, Conway G, Schirmer J, Schneider R, ASDEX Upgrade Team
Plasma Physics and Controlled Fusion **48**, 1425 (2006)
74. **Runaway electrons and the evolution of the plasma current in tokamak disruptions**
Smith H, Helander P, Eriksson L-G, Anderson D, Lisak M, Andersson F
Physics of Plasmas **13**, 102502 (2006)
75. **Tokamak current driven by poloidally asymmetric fueling**
Helander P, Fülöp T, Lisak M
Physics of Plasmas **13**, 102506 (2006)
76. **Analysis and modelling of power modulation experiments in JET plasmas with internal transport barriers**
Marinoni A, Mantica P, Van Eester D, Imbeaux F, Mantsinen M, Hawkes N, Joffrin E, Kiptily V, Pinches S D, Salmi A, Sharapov S, Voitsekhovitch I, de Vries P, Zastrow K D, JET-EFDA contributors
Plasma Physics and Controlled Fusion **48**, 1469 (2006)
77. **The role of edge current-driven modes in ELM activity**
Gimblett C G, Hastie R J, Helander P
Plasma Physics and Controlled Fusion **48**, 1531 (2006)
78. **Self-consistent plasma modelling by Monte Carlo test particles**
Christiansen J P, Connor J W
Plasma Physics and Controlled Fusion **48**, 1551 (2006)

79. **Alfvén cascades in JET discharges with NBI-heating**
Sharapov S E, Alper B, Baranov Yu F, Berk H L, Borba D, Boswell C, Breizman B N, Challis C D, de Baar M, De La Luna E, Evangelidis E A, Hacquin S, Hawkes N C, Kiptily V G, Pinches S D, Sandquist P, Voitsekhovich I, Young N P, JET-EFDA contributors
Nuclear Fusion **46**, S868 (2006)
80. **Explanation of the JET $n = 0$ chirping mode**
Berk H L, Boswell C J, Borba D, Figueiredo A C A, Johnson T, Nave M F F, Pinches S D, Sharapov S E, JET EFDA contributors
Nuclear Fusion **46**, S888 (2006)
81. **Observation and modelling of fast ion loss in JET and ASDEX Upgrade**
Pinches S D, Kiptily V G, Sharapov S E, Darrow D S, Eriksson L-G, Fahrbach H-U, GarcMunoz M, Reich M, Strumberger E, Werner A, ASDEX Upgrade Team, JET-EFDA contributors
Nuclear Fusion **46**, P.S904 (2006)
82. **Perturbative and non-perturbative modes in START and MAST**
Gryaznevich M P, Sharapov S E
Nuclear Fusion **46**, S942 (2006)
83. **On ion cyclotron current drive for sawtooth control**
Eriksson L-G, Johnson T, Mayoral M L, Coda S, Sauter O, Buttery R J, McDonald D, Hellsten T, Mantsinen M J, Mueck A, Noterdaeme J-M, Santala M, Westerhof E, de Vries P, JET-EFDA contributors
Nuclear Fusion **46**, S951 (2006)
84. **Assessment of new ex-vessel magnetic measurements in JET**
Coccorese V, Artaserse G, Quercia A, Chitarin G, Murari A, Gerasimov S, JET EFDA Contributors
Review of Scientific Instruments **77**, 10E317 (2006)
85. **Calibration and operational experience with the JET motional Stark effect diagnostic**
Hawkes N C, Brix M
Review of Scientific Instruments **77**, 10E509 (2006)
86. **Enhanced edge Thomson scattering on MAST**
Scannell R, Walsh M J, Carolan P G, Conway N J, Darke A C, Dunstan M R, Hare D, Prunty S L
Review of Scientific Instruments **77**, 10E510 (2006)

87. **Design challenges and analysis of the ITER core LIDAR Thomson scattering system**
Walsh M J, Beurskens M, Carolan P G, Gilbert M, Loughlin M, Morris A W, Riccardo V, Xue Y, Huxford R B, Walker C I
Review of Scientific Instruments **77**, 10E525 (2006)
88. **Initial results from the lost alpha diagnostics on Joint European Torus**
Darrow D, Baeumel S, Cecil E, Ellis B, Fullard K, Hill K, Horton A, Kiptily V, Pedrick L, Reich M, Werner A
Review of Scientific Instruments **77**, 10E701 (2006)
89. **The TOFOR neutron spectrometer and its first use at JET**
Gatu Johnson M, Giacomelli L, Hjalmarsson A, Weiszflog M, Andersson Sunden E, Conroy S, Ericsson G, Hellesen C, Kallne J, Ronchi E, Sjostrand H, Gorini G, Tardocchi M, Murari A, Popovichev S, Sousa J, Pereira R C, Combo A, Cruz N
Review of Scientific Instruments **77**, 10E702 (2006)
90. **Development and characterization of the proton recoil detector for the MPRu neutron spectrometer**
Giacomelli L, Andersson Sunden E, Conroy S, Ericsson G, Gatu Johnson M, Hellesen C, Hjalmarsson A, Kallne J, Ronchi E, Sjostrand H, Weiszflog M, Gorini G, Tardocchi M, Murari A, Popovichev S, Sousa J, Pereira R C, Combo A, Cruz N
Review of Scientific Instruments **77**, 10E708 (2006)
91. **New MPRu instrument for neutron emission spectroscopy at JET**
Sjostrand H, Giacomelli L, Andersson Sunden E, Conroy S, Ericsson G, Gatu Johnson M, Hellesen C, Hjalmarsson A, Kallne J, Ronchi E, Weiszflog M, Wikstrom G, Gorini G, Tardocchi M, Murari A, Kaveney G, Popovichev S, Sousa J, Pereira R C, Combo A, Cruz N
Review of Scientific Instruments **77**, 10E717 (2006)
92. **Motional Stark effect diagnostic pilot experiment for MAST**
Kuldkepp M, Walsh M J, Carolan P G, Conway N J, Hawkes N C, McCone J, Rachlew E, Wearing G
Review of Scientific Instruments **77**, 10E905 (2006)
93. **Improved charge exchange spectroscopy on the Joint European Torus for ion temperature and rotation velocity profiles**
Andrew Y, Hawkes N C, Crombe K
Review of Scientific Instruments **77**, 10E913 (2006)

94. **X-mode reflectometry measurements in the JET plasma core region**
 Hacquin S, Meneses L, Cupido L, Sharapov S, Alper B, Fessey J, Klein A, Testa D
 Review of Scientific Instruments **77**, 10E925 (2006)
95. **Enhanced core charge exchange recombination spectroscopy system on Joint European Torus**
 Negus C R, Giroud C, Meigs A G, Zastrow K-D, Hillis D L
 Review of Scientific Instruments **77**, 10F102 (2006)
96. **High-throughput charge exchange recombination spectroscopy system on MAST**
 Conway N J, Carolan P G, McCone J, Walsh M J, Wisse M
 Review of Scientific Instruments **77**, 10F131 (2006)
97. **Simultaneous Cotton-Mouton and Faraday rotation angle measurements on JET**
 Boboc A, Zabeo L, Murari A
 Review of Scientific Instruments **77**, 10F324 (2006)
98. **Progress on common aspects of the EU-supplied ITER diagnostics and prediction of diagnostic performance**
 Ingesson L C, Campbell D J, Ceconello M, Ciattaglia E, Dirken P, Hawkes N, Walsh M, von Hellermann M, Calvin S, McCarthy P, Neubauer O, Petrizzi L
 Review of Scientific Instruments **77**, 10F502 (2006)
99. **Status of the DNB based ITER CXRS and BES diagnostic**
 von Hellermann M, Jaspers R, Biel W, Litnovsky A, Neubauer O, Pap M, Hawkes N C, Marren C, Walton B, Kaschuck Y, Serov V, Tugarinov S, Vliegenthart W, Moddemeijer K, Walker C, Ingesson C
 Review of Scientific Instruments **77**, 10F516 (2006)
100. **Atomic modeling and instrumentation for measurement and analysis of emission in preparation for the ITER-like wall in JET**
 O'Mullane M G, Summers H P, Whiteford A D, Meigs A G, Lawson K D, K-D Zastrow, Barnsley R, Coffey I H
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