

## TITLE LIST OF CONTRIBUTED PAPERS

## A. TOKAMAKS

## A1. Experiments

- Bures M., Bhatnagar V., Cottrell G., Corti S., Christiansen J.P., Eriksson L.G., Hellsten T., Jacquinot J., Lallia P., Lomas P., O'Rourke J., Taroni A., Tibone F., Start D.F.H.  
Enhanced performance of high current discharges in JET produced by ICRF heating during the current rise  
 O 2 A1 3 ... I-3
- Weynants R.R., Gagneaux M., Beuken J.M., Descamps P., Durodié F., Jadoul M., Koch R., Lebeau D., Messiaen A.M., Shen X.M., Vandenplas P.E., Van Eester D., Van Nieuwenhove R., Van Oost G., Van Wassenhove G.  
Analysis of ICRH induced energetic minority particles and their effect on confinement and sawteeth  
 O 2 A1 4 ... I-7
- Jones T.T.C., Balet B., Bhatnagar V., Boyd D., Bures M., Campbell D.J., Christiansen J.P., Cordey J.G., Core W.F., Corti S., Costley A.E., Cottrell G.A., Edwards A., Ehrenberg J., Jacquinot J., Lallia P., Lomas P.J., Lowry C., Malacarne M., Muir D.G., Nave M.F., Nielsen P., Sack C., Sadler G., Start D.F.H., Taroni A., Thomas P.R., Thomsen K.  
Improved confinement in L-mode JET plasmas  
 O 2 A1 5 ... I-11
- Jarvis O.N., Adams J.M., Balet B., Conroy S., Cordey J.G., Elevant T., Morgan P.D., Sadler G., Watkins N., Van Belle P.  
Determination of deuterium concentrations in JET plasmas from fusion reaction rate measurements  
 O 2 A1 6 ... I-15
- Chatelier M., Geraud A., Joyer P., Martin G., Rax J.M.  
Runaway electrons dynamics and confinement in Tore Supra  
 O 4 A1 4 ... I-19
- Stäbler A., Niedermeyer H., Loch R., Mertens V., Müller E.R., Söldner F.X., Wagner F., ASDEX Team, NI Team, Pellet Team  
Density limit in ASDEX-Discharges with peaked density profiles  
 O 4 A1 5 ... I-23
- Rudj A., Bengtson R.D., Carlson A., Giannone L., Kramer M., Niedermeyer H., Ritz Ch.P., Tsois N., ASDEX Team  
Investigation of low-frequency fluctuations in the edge plasma of ASDEX  
 O 9 A1 4 ... I-27
- Taylor G., Barnes C.W., Braams B.J., Cavallo A., Efthimion P.C., Karney C.F.F., Tamor S., Zarnstorff M.C., Zweben S.  
Non-thermal electron cyclotron emission from TFTR supershot plasmas  
 P 2 A1 2 ... I-31

## VIII

Zarnstorff M.C., Goldston R.J., Bell M.G., Bitter M., Bush C., Fonck R.J., Grek B., Hill K., Howell B., Jaehnig K., Johnson D., Mansfield D., McCune D., Park H., Ramsey A., Schivell J., Taylor G. <u>Transport analysis of TFTR supershots</u> P 2 Al 3	...	I-35
Zweben S.J., Strachan J.D., Boivin R., Barnes C.W., Cavallo A., Fredrickson E.D., McGuire K., Mynick H.E., White R.B. <u>Escaping 1 MeV tritons in TFTR</u> P 2 Al 4	...	I-39
Alabyad A.M., Bheih N.M., Seghayer S.A., Zhukovsky V.G. <u>Langmuire probe measurements on Libtor tokamak</u> P 2 Al 5	...	I-43
Kaufmann M., Sandmann W., Bessenrodt-Weberpals M., Büchl K., Gruber O., Kardaun O., Lackner K., Lang R., Mertens V., Murmann H., Neuhauser J., Söldner F. <u>Electron temperature profiles in discharges with pellet injection and in other mode discharges</u> P 2 Al 6	...	I-47
Senties J.M., Bustamante E.G., Calderon M.A.G., Anabitarte E., Navarro A.P., Ripodas P., Sanchez J. <u>Radial profile of electron density fluctuations in the TJ-I tokamak from microwave reflectometry measurements</u> P 2 Al 7	...	I-51
Zurro B., TJ-I Group <u>A search for nonambipolar particle transport in the TJ-I tokamak</u> P 2 Al 8	...	I-55
Dudok de Wit Th., Duval B.P., Lister J.B., Joye B., Moret J.M. <u>Investigation of the energy transport mechanism in the TCA tokamak by studying the plasma dynamical response</u> P 2 Al 9	...	I-59
Adams J.M., Cheetham A., Conroy S., Gorini G., Gottardi N., Iguchi T., Jarvis O.N., Sadler G., Smeulders P., Watkins N., Van Belle P. <u>Radial profiles of neutron emission from ohmic discharges in JET</u> P 4 Al 1	...	I-63
Conroy S., Argyle J.P., Batistoni P., Clipsham E., Huxtable G.B., Jarvis O.N., Pillon M., Podda S., Rapisarda M., Sadler G., Van Belle P. <u>Triton burnup in JET</u> P 4 Al 2	...	I-67
Cottrell G.A., Bhatnagar V.P., Bures M., Eriksson L.G., Hellsten T., Jacquinet J., Start D.F.H. <u>Non-thermal DT yield with (D)T ICRH heating in JET</u> P 4 Al 3	...	I-71
Cripwell P., Costley A.E., Hubbard A.E. <u>Correlation reflectometry</u> P 4 Al 4	...	I-75

## IX

Hawkes N., Wang Z., Barnsley R., Behringer K., Cohen S., Denne B., Edwards A., Giannella R., Gill R., Magyar G., Pasini D., Peacock N.J., Schumacher U., Vieider C., Zasche D. <u>Transport studies during sawteeth and H-modes on JET using laser ablation</u> P 4 Al 5	...	I-79
Loughlin M.J., Adams J.M., Hawkes N., Hone M., Jarvis O.N., Laundry B., Sadler G., Syme D.B., Watkins N., Van Belle P. <u>Consequences of trapped beam ions on the analysis of neutron emission data</u> P 4 Al 6	...	I-83
Lowry C.G., Boyd D.A., Challis C.D., Christiansen J.P., Cordey J.G., Cottrell G.A., Edwards A.W., Jones T.T.C., Lallia P.P., Nielsen P., Sadler G., Schmidt G., Start D.F.H., Stork D., Thomas P.R., Tubbing B. <u>The hot ion mode of small bore plasmas in JET</u> P 4 Al 7	...	I-87
Milora S.L., Bartlett D.V., Baylor L.R., Behringer K., Campbell D.J., Charlton L., Cheetham A., Cordey J.G., Corti S., Gadeberg M., Galvao R., Gondhalekar A., Gottardi N.A., Granetz R., Hammett G., von Hellermann M., Hirsch K., Hogan J.T., Houlberg W.A., Jarvis O.N., Jennigan T.C., Kupschus P., Lee G.S., Morgan P., Phillips C.K., O'Rourke J., Sadler G., Schmidt G.L., Snipes J., Stubberfield D., Taroni A., Tubbing B., Weisen H. <u>Summary of energy and particle confinement in pellet-fuelled, auxiliary-heated discharges on JET</u> P 4 Al 8	...	I-91
Morgan P.D., Boileau A., Forrest M.J., von Hellermann M., Horton L., Mandl W., Stamp M.F., Summers H.P., Weisen H., Zinoview A. <u>Studies of visible impurity radiation from JET plasmas during heating and fuelling experiments</u> P 4 Al 9	...	I-95
Sips A.C.C., Costley A.E., de Haas J.C.M., Prentice R. <u>Measurements of the electron particle diffusion coefficient with the JET multichannel reflectometer</u> P 4 Al 10	...	I-99
Tanga A., Bures M., Garribba M., Green B.J., How J., Jacquinet J., Last J., Lomas P., Lowry C.G., Malacarne M., Mantica P., Mondino P.L., Noll P., Rebut P.H., Santagiustina A., Schueller F.C., Snipes J., Thomas P.R., Tubbing B. <u>Operation at high plasma current in JET</u> P 4 Al 11	...	I-103
von Hellermann M., Boileau A., Horton L., Mandl W., Summers H.P., Weisen H. <u>Ion temperature profiles in JET</u> P 4 Al 12	...	I-107
Lister J.B., Moret J.M., Lazarus E.A., Kellman A.G., Taylor T.S., Ferron J.R. <u>High decay index plasmas in DIII-D</u> P 8 Al 1	...	I-111

Schissel D.P., Brooks N., Burrell K.H., DeBoo J.C., Groebner R.J., Jackson G.L., Kellman A.G., Lao L., Matsumoto M., Osborne T.H., Stambaugh R.D., Wolfe S., DIII-D Research Team <u>Confinement scaling studies in DIII-D</u> P 8 A1 3	...	I-115
St. John H., Stroth U., Burrell K.H., Groebner R., DeBoo J., Gohil P. <u>Analysis of toroidal rotation data for the DIII-D tokamak</u> P 8 A1 4	...	I-119
Lehecka T., Doyle E.J., Philipona R., Luhmann N.C. Jr., Peebles W.A. <u>Results from the DIII-D millimeter-wave reflectometer</u> P 8 A1 6	...	I-123
Bhatnagar V.P., Taroni A., Ellis J.J., Jacquinot J., Start D.F.H. <u>ICRF power-deposition profiles and heating in monster sawtooth and peaked-density profile discharges in JET</u> P 8 A1 8	...	I-127
Hammett G.W., Colestock P.L., Granetz R.S., Kupschus P., McCune D.C., Phillips C.K., Schmidt G.L., Smithe D.N., Members of JET/USDOE Pellet Collaboration <u>Transport analysis of pellet-enhanced ICRH plasmas in JET</u> P 8 A1 9	...	I-131
Bracco G. <u>Helium plasmas results in ohmic FT discharges</u> P 8 A1 10	...	I-135
Crisanti F., Marinucci M., Nardone C. <u>Analysis of high-frequency magnetic fluctuations on the FT tokamak</u> P 8 A1 11	...	I-139
Frigione D., Goetsch S. <u>Microinstabilities in FT tokamak</u> P 8 A1 12	...	I-143
Finken K.H., Watkins J.G., Rusbüldt D., Corbett W.J., Dippel K.H., Goebel D.M., Moyer R.A. <u>Observation of synchrotron-radiation from runaway discharges</u> P 8 A1 13	...	I-147
Samm U., Weynants R.R. <u>Ionization lengths, radiation profiles and confinement in detached plasmas in Textor</u> P 8 A1 14	...	I-151
Sing D.C., Austin M.E., Bravenec R.V., Boedo J.A., Chen J.Y., Cima G., Foster M., Gandy R., Gentle K.W., Huang L.K., Miner W.H., Jr., Phillips P.E., Ouroua A., Richards B., Smith B.A., West W.P., Wiley J.C., Wootton A.J., Zhang Z.M. <u>Thermal transport during electron cyclotron heating in the Text tokamak</u> P 8 A1 15	...	I-155

Gentle K.W., Richards B., Brower D.L., Austin M.E., Cima G., Luhmann N.C., Peebles W.A., Phillips P.E., Rowan W.L., Sing D.C., Wootton A.J. <u>Effect of ECRH on particle transport in the Text tokamak</u> P 8 A1 16	...	I-159
Dodel G., Holzhauser H., Giannone L., Niedermeyer H., ASDEX Team <u>Investigation of the density turbulence in ohmic ASDEX plasmas</u> P 9 A1 2	...	I-163
Gehre O., Fussmann G., Gentle K.W., Krieger K. <u>Comparison of particle transport for target gas and impurities in ASDEX under saturated and improved ohmic confinement</u> P 9 A1 3	...	I-167
Gruber O., Kallenbach A., Fahrbach H.U., Herrmann H., Vollmer O. <u>Ion and toroidal momentum transport with flat (Co-NBI) and peaked (Ctr-NBI) density profiles in ASDEX</u> P 9 A1 4	...	I-171
Kallenbach A., Mayer H.M., Brau K., Fussmann G., ASDEX Team, NI Team, ICRH Team, Pellet Team <u>Momentum confinement studies on ASDEX</u> P 9 A1 6	...	I-175
Lengyel L.L., Büchl K., Sandmann W. <u>Pellet penetration in ASDEX: a comparison of results computed by means of the ORNL ablation model with measured data</u> P 9 A1 7	...	I-179
Mertens V., Büchl K., Gruber O., Kaufmann M., Kornherr M., Lang R., Murmann H., Sandmann W., Steuer K.H., Vollmer O. <u>Particle transport and sawtooth activity in pellet fuelled ASDEX L-mode plasmas</u> P 9 A1 8	...	I-183
Söldner F.X., Fahrbach H.V., Gehre O., Mertens V., Müller E.R., Murmann H.D., Niedermeyer H., Stäbler A., Wagner F. <u>Transitions between regimes of improved and degraded confinement with OH and NI heating</u> P 9 A1 9	...	I-187
Steuer K.H., Röhr H., Fussmann G., Janeschitz G., Kallenbach A., Murmann H.D., ASDEX Team, NI Team, Pellet Team <u>Impurity accumulation and <math>Z_{eff}</math> profiles in ASDEX high confinement regimes</u> P 9 A1 10	...	I-191
Wagner F., Bessenrodt-Weberpals M., Fahrbach H.V., Dodel G., Gruber O., Herrmann P., McCarthy P., McCormick K., Murmann H.D., Steuer K.H., Verbeek H. <u>The isotope dependence of ohmic discharge parameters of ASDEX</u> P 9 A1 11	...	I-195

Kugel H.W., Asakura N., Bell R., Chance M., Duperrex P., Faunce J., Fonck R., Gammel G., Hatcher R., Heitzenroeder P., Holland A., Jardin S., Jiang T., Kaita R., Kaye S., LeBlanc B., Okabayashi M., Qin Y., Paul S., Sauthoff N., Schweitzer S., Sesnic S., Takahashi H.

Induced voltage and eddy current in the PBX-M stabilizing shell  
P 9 A1 12

Rowan W.L., Austin M.E., Bravenec R.V., Chen J.Y., Gandy R.F., Cima G., Gentle K.W., Hickok R.L., McCool S.C., Meigs A.G., Miner W.H. Jr., Phillips P.E., Richards B., Schoc H.P.M., Sing D.S., Smith B.A., Wiley J.C., Wootton A.J., Yang X.Z.

Impurity behaviour during ECH in the Texas experimental tokamak  
P 9 A1 13

#### A2. H-mode

Giannella R., Behringer K., Denne B., Gottardi N., Hawkes N.C., von Hellermann M., Lawson K., Morgan P.D., Pasini D., Stamp M.F.

Behaviour of impurities during H-mode in JET  
O 8 A2 3

Mori M., Aikawa H., Hoshino K., Kawakami T., Kasai S., Kawashima H., Kondoh T., Matsuda T., Matsumoto H., Miura Y., Nakazawa I., Neufeld C.R., Odajima K., Ogawa H., Ogawa T., Ohasa K., Ohtsuka H., Sengoku S., Shoji T., Suzuki N., Tamai H., Uesugi Y., Yamamoto T., Yamauchi T., Maeda H.

Improved confinement in peaked density profile on JFT-2M  
P 2 A2 1

Ogawa H., Kasai S., Aikawa H., Hoshino K., Kawakami T., Kawashima H., Kondoh T., Maeda H., Matsuda T., Matsumoto H., Miura Y., Mori M., Nakazawa I., Neufeld C.R., Odajima K., Ogawa T., Ohasa K., Ohtsuda H., Sengoku S., Shoji T., Suzuki N., Tamai H., Uesugi Y., Yamamoto T., Yamauchi T.

Impurity behavior during H-mode phase in JFT-2M  
P 2 A2 2

Toi K., Adati K., Akiyama R., Ando A., Ando R., Aoki T., Bi D.G., Fujita J., Hamada Y., Hidekuma S., Hirokura S., Ida K., Ikegami H., Kadota K., Kako E., Kaneko O., Karita A., Kawahata K., Kawamoto T., Kawasumi Y., Kitagawa S., Kojima M., Kubo S., Kumazawa R., Kuroda T., Masai K., Matsuura K., Mohri A., Morita S., Narihara K., Nishizawa A., Ogawa Y., Ohkubo K., Oka Y., Okajima S., Okamura S., Ozaki T., Sagara A., Sakamoto M., Sasao M., Sato K., Sato K.N., Sato T., Seki T., Shimpo F. et al.

Limiter H-modes in the JIPP T-IIU tokamak  
P 2 A2 3

Cripwell P., Edwards A., Galvao R., Gottardi N., Harbour P., Haynes P., Hender T.C., Joffrin E.H., Malacarne M., Mantica P., Salmon N., Snipes J.A., Tagle A., Zsche D.

An interpretation of the structure of ELMS and the H to L transition on JET  
P 4 A2 1

O'Brien D.P., Bishop C.M., Galvao R., Keilhacker M., Lazzaro E., Watkins M.L.

Ballooning stability analysis of JET H-modes discharges  
P 4 A2 2

Thomsen K., Callen J.D., Christiansen J.P., Cordey J.G., Keilhacker M., Muir D.G., Watkins M.

Offset-linear description of H-mode confinement  
P 4 A2 3

Tubbing B., Bhatnagar V., Boyd D., Bures M., Campbell D., Christiansen J., Cordey J., Cottrell G., Edwards A., Giannella R., Jacquinet J., Keilhacker M., Lowry C., Lallia P., Muir D., Nielsen P., Start D., Tanga A., Thomas P., Tibone F.

Double null x-point operation in JET with NBI and ICRH heating  
P 4 A2 4

Carlstrom T.N., Shimada M., Burrell K.H., DeBoo J., Gohil P., Groebner R., Hsieh C., Matsumoto H., Trost P.

H-mode transition studies in DIII-D  
P 8 A2 1

Groebner R.J., Gohil P., Burrell K.H., Osborne T.H., Seraydarian R.P., St. John H.

Plasma rotation and electric field effects in H-mode in DIII-D  
P 8 A2 2

Mahdavi M.A., Kellman A., Gohil P., Brooks N., Burrell K.H., Groebner R., Haas G., Hill D., Jackson G., Janeschitz G., Osborne T., Perry M.E., Petrie T., Rensink M., Shimada M., Staebler G., Stambaugh R., Wood R.

Attainment of quasi steady-state H-mode plasmas in the DIII-D tokamak  
P 8 A2 3

Kardaun O., Thomsen K., Christiansen J., Cordey J., Gottardi N., Keilhacker M., Lackner K., Smeulders P., JET Team

On global H-mode scaling laws for JET  
P 9 A2 1

Müller E.R., Fussmann G., Janeschitz G., Murmann H.D., Stäbeler A., ASDEX Team, NI Team

Quenching of the quiescent H-phase in ASDEX  
P 9 A2 2

#### A3. Theory

Chance M.S., McGuire K.M.

On the accessibility to the second region of stability in TFTR-like plasmas  
O 4 A3 2

Becoulet A., Gambier D.J., Grua P., Rax J.M., Roubin J.P.

Collisionless fast ions dynamics in tokamaks  
O 4 A3 3

... I-199

... I-203

... I-209

... I-213

... I-217

... I-221

... I-225

... I-229

... I-233

... I-237

... I-241

... I-245

... I-249

... I-253

... I-257

... I-263

... I-267

- Hugon M., Mendonça J.T., Rebut P.H.  
Study of the behaviour of chaotic magnetic field lines in a tokamak  
P 2 A3 1
- Pegoraro F., Porcelli F., Coppi B., Migliuolo S.  
Limit of beta due to global modes in ignited plasmas  
P 2 A3 2
- de Haas J.C.M., Han W., Lopes-Cardozo N.J., Sack C., Taroni A.  
Heat pulse analysis in JET and relation to local energy transport models  
P 2 A3 3
- Tibone F., Balet B., Cordey J.G., Corrigan G., Düchs D.F., Galway A., Hamnén H., Maddison G., Sadler G., Stacey W., Stringer T., Stubberfield F., Watkins M.L.  
Ion thermal conductivity and convective energy transport in JET hot-ion regimes and H-modes  
P 2 A3 4
- Andreoletti J.  
Magnetodrift turbulence and disruptions  
P 2 A3 5
- Ederly D., Samain A., Pecquet A.L., Vallet J.C., Lecouste P.  
Toroidal coupling and frequency spectrum of tearing modes  
P 2 A3 6
- Garbet X., Mourgues F., Samain A.  
Microtearing turbulence and heat transport  
P 2 A3 8
- Garbet X., Laurent L., Mourgues F., Roubin J.P., Samain A.  
Turbulence propagation during pellet injection  
P 2 A3 9
- Capes H., Ghendrih Ph., Samain A., Grosman A., Morera J.P.  
Thermal equilibrium of the edge plasma with an ergodic divertor  
P 2 A3 10
- Nagao S.  
The dipole current component and its outer region field in a tokamak  
P 2 A3 11
- Rodriguez L., Vazquez R.L., Navarro A.P.  
2-D model for runaway dynamics in tokamaks using a conservative numerical scheme. Application to TJ-I tokamak  
P 2 A3 12
- Wilhelmsson H.  
Attractor-like behaviour of a temperature profile for a magnetic confinement fusion plasma  
P 2 A3 13
- Weenink M.P.H.  
Some mathematical properties of diffusion and heat conduction in cylindrical and toroidal plasmas  
P 2 A3 14

- ... I-271 Cheng C.Z.  
Energetic particle effects on the internal kink modes in tokamaks  
P 4 A3 1 ... I-323
- ... I-275 Cheng C.Z., Fu G.Y., Van Dam J.  
Alpha particle destabilization of shear Alfvén waves in ignited tokamaks  
P 4 A3 2 ... I-327
- ... I-279 White R.B., Mynick H.E.  
Alpha particle loss in tokamaks  
P 4 A3 3 ... I-331
- ... I-283 Hofmann F., Schultz C.G.  
Optimized startup of elongated plasmas in the TCV tokamak  
P 4 A3 4 ... I-335
- ... I-287 Schultz C.G., Bondeson A., Troyon F., Roy A.  
Beta limits-MHD stability analysis for NET/ITER  
P 4 A3 7 ... I-339
- ... I-291 Briguglio S., Romanelli F.  
Semicollisional microinstabilities in the presence of a magnetic separatrix  
P 4 A3 8 ... I-343
- ... I-295 Micozzi P., Alladio F., Crisanti F., Marinucci M., Tanga A.  
Tokamak configuration analysis with the method of toroidal multipoles  
P 4 A3 9 ... I-347
- ... I-299 Ottaviani M., Romanelli F., Benzi R., Briscolini M., Santangelo P., Succi S.  
Numerical simulation of toroidal eta turbulence  
P 4 A3 10 ... I-351
- ... I-303 Romanelli F., Briguglio S.  
Toroidal semi-collisional microinstabilities and anomalous electron and ion transport  
P 4 A3 11 ... I-355
- ... I-307 White R.B., Romanelli F., Bussac M.N.  
Influence of energetic ion population on tokamak plasma stability  
P 4 A3 12 ... I-359
- ... I-311 Sestero A.  
High field tokamaks: the Why's and How's  
P 4 A3 13 ... I-363
- ... I-315 A. Airoidi, G. Cenacchi  
Expected Ignitor performances  
P 4 A3 14 ... I-367
- ... I-319 Apruzzese G., Tanga A.  
Ignition domain and plasma burn control  
P 4 A3 15 ... I-371

Carrera R., Fu G.Y., Helton J., Hively L., Montalvo E., Ordonez C., Rosenbluth M.N., Tamor S., Van Dam J.W. <u>Analysis of the ignition experiment IGNITEX</u> P 4 A3 16	... I-375
Connor J.W., Hastie R.J., Cowley S.C., Martin T.J., Taylor J.B. <u>The effects of finite pressure and toroidicity on the stability of non-ideal modes in a tokamak</u> P 4 A3 17	... I-379
Hender T.C. <u>Curvature effects on nonlinear island growth</u> P 4 A3 18	... I-383
Hender T.C., Haynes P.S., Holt J.K., Robinson D.C., Sykes A., Todd T.N. <u>Studies of the tight-aspect-ratio torus concept</u> P 4 A3 19	... I-387
Thyagaraja A., Haas F.A. <u>The nature of turbulent particle transport in toroidal plasma confinement</u> P 4 A3 20	... I-391
Gac K., Gacek A. <u>The stochastic collisionless and radial antidiffusion of alpha particles in tokamak</u> P 8 A3 2	... I-395
Sundaram A.K., Callen J.D. <u>The evolution of resistive ballooning modes in the banana-plateau collisionality regime</u> P 8 A3 3	... I-399
Sundarakam A.K., Sen A. <u>The stability of ideal and resistive ballooning modes in the presence of equilibrium flows.</u> P 8 A3 4	... I-403
Degtyarev L.M., Medvedev S.Yu. <u>Shear and current density effect on tokamak kink mode instability</u> P 8 A3 5	... I-407
Zelazny R., Stankiewicz R., Potemski S. <u>The behaviour of a plasma with poloidal flows in tokamaks</u> P 8 A3 6	... I-411
Kolesnichenko Ya.I., Yavorskij V.A. <u>Effect of the tokamak cross-section ellipticity on the ripple induced diffusion of fast ions</u> P 8 A3 8	... I-415
V.Ya. Goloborod'ko, V.A. Yavorskij <u>Angular distribution of alpha particle flux on the first wall of a tokamak</u> P 8 A3 9	... I-419

Elfimov A.G., Komoshvili K.G., Sidorov V.P., Dmitrieva M.V., Medvedev S.Yu., Pestryakova G.A. <u>Spectrum and impedance properties of a plasma in a helical magnetic field</u> P 8 A3 10	... I-423
Callen J.D., Chang Z. <u>Global energy confinement degradation due to macroscopic phenomena in tokamaks</u> P 8 A3 11	... I-427
Becker G. <u>Bootstrap current and ballooning stability in ASDEX L and H plasmas</u> P 9 A3 1	... I-431
Lengyel L.L., Lalouis P.J. <u>Non-local particle deposition and pellet wake evolution in pellet-fuelled tokamaks</u> P 9 A3 2	... I-435
Lortz D. <u>Instability of tokamaks with non-circular cross-section</u> P 9 A3 3	... I-439
Zanino R., Lackner K., Hsu C.T., Sigmar D.J. <u>A 1+1D model of ion-impurity Pfirsch-Schlüter transport in a rotating tokamak plasma</u> P 9 A3 5	... I-443
Albanese R., Ambrosino G., Coccoresse E., Garofalo F., Rubinacci G. <u>An alternative approach to the analysis of the active vertical stabilization in a tokamak</u> P 9 A3 6	... I-447
Takeuchi K., Abe M., Fukumoto H., Otsuka M. <u>A perturbation model of tokamak MHD equilibria for study of plasma boundary control</u> P 9 A3 7	... I-451
Hogewij G.M.D., Hordosy G., Lopes Cardozo N.J. <u>A method for local transport analysis in tokamaks with error calculation</u> P 9 A3 8	... I-455
van Milligen B.Ph. <u>Expansions of the flux and the current density in toroidal systems</u> P 9 A3 9	... I-459