

ELENCO CONTRIBUTI A CONGRESSO

2009

G.L. RAVERA, R. MAGGIORA, F. MIRIZZI, A. TUCCILLO

Design of external matching unit with high power vacuum windows for the FAST-ICRH system

European Microwave Conference

Roma (Italia) Sett. 27 - Ott. 2, 2009

C. NARDI, L. BETTINALI, M. LABANTI

Long term characterization on unidirectional fiberglass for ITER pre-compression rings

9th Int. Symposium on Fusion Nuclear Technology ISFNT-9

Dalian (China) October, 11-16, 2009

E. VISCA, E. CACCIOTTI, S. LIBERA, A. MANCINI, A. PIZZUTO, S. ROCCELLA, B. RICCARDI, F. ESCOURBIAC, G.P. SANGUINETTI

Manufacturing and testing of reference samples for ITER divertor acceptance criteria definition

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P. BATISTONI M. ANGELONE, P. CARCONI, U. FISCHER, K. FLEISCHER, K. KONDO, A. KLIX, I. KODELI, D. LEICHTLE, L. PETRIZZI, M. PILLON, W. POHORECKI, M. SOMMER, A. TRKOV, R. VILLARI

Neutronics experiments on HCPB and HCLL TBM mock-ups in preparation of nuclear measurements in ITER

Ninth Int. Symp. on Fusion Nuclear Technology (ISFNT-9)

Dalian (China) October 11-16, 2009

T. PINNA, L.C. CADWALLADER, G. CAMBI, S. CIATTAGLIA, S. KNIPE, F. LEUTERER, A. MALIZIA, P. PETERSEN, M.T. PORFIRI, F. SAGOT, S. SCALES, J. STOBER, J.C. VALLET, T. YAMANISHI

Operating experiences from existing fusion facilities in view of ITER safety and reliability

Ninth Int. Symp. on Fusion Nuclear Technology (ISFNT-9)

Dalian (China) October 11-16, 2009

T. PINNA, G. CAMBI, S. KNIPE JET EFDA CONTRIBUTORS

JET operating experience: global analysis of tritium plant failure

Ninth Int. Symp. on Fusion Nuclear Technology (ISFNT-9)

Dalian (China) October 11-16, 2009

F. BORGOGNONI, D. DEMANGE, L. DORR, S. TOSTI, S. WELTE

Processing test of an upgraded mechanical design for PERMCAT reactor

Ninth Int. Symp. on Fusion Nuclear Technology (ISFNT-9)

Dalian (China) October 11-16, 2009

R. DE ANGELIS, M. BARUZZO, P. BURATTI, B. ALPER, L. BARRERA, A. BOTRUGNO, M. BRIX, L. FIGINI, A. FONSECA, C. GIROUD, N. HAWKES, D. HOWELL, E. DE LA LUNA, F. ORSITTO, V. PERICOLI, E. RACHLEW, O. TUDISCO, AND JET-EFDA CONTRIBUTORS

Localization of MHD modes and consistency with q profiles in JET

1st Intern. Conference on Frontiers in Diagnostic Technologies

Frascati, Roma (Italia) November 25-27, 2009

R. DE ANGELIS, L. DI MATTEO

Observations and analysis of FTU plasmas by video cameras

1st Intern. Conf. on Frontiers in Diagnostic Technologies

Frascati, Roma (Italia) November 25-27, 2009

M. ANGELONE, M. PILLON, M. MARINELLI, E. MILANI, G. PRESTOPINO, C. VERONA, G. VERONA-RINATI, I. COFFEY, A. MURARI, N. TARTONI AND FET-EFDA CONTRIBUTORS

Single crystal artificial diamond detectors for VUV and soft x-ray measurements on JET thermonuclear fusion plasma

1st Intern. Conference on Frontiers in Diagnostic Technologies
Frascati, Roma (Italia) November 25-27, 2009

F. MIRIZZI, A. CARDINALI, R. CESARIO, L. PANACCIONE, V. PERICOLI RIDOLFINI, G.L. RAVERA, A.A. TUCCILLO

FAST and its LHCD system. Work in progress
23rd Symposium on Fusion Engineering (SOFE)
San Diego, CA (USA) May 31 - June 5, 2009

C. NERI, F. POLLASTRONE, O. TUDISCO

Fully digital implementation of a high dynamic fast vector Voltmeter
23rd Symposium on Fusion Engineering (SOFE)
San Diego, CA (USA) May 31 - June 5, 2009

M. RIVA, B. ESPOSITO, D. MAROCCO, F. BELLI

Embedding linux on FPGA: an application on a real-time neutron/gamma discrimination system for fusion devices
23rd Symposium on Fusion Engineering (SOFE)
San Diego, CA (USA) May 31 - June 5, 2009

V. COCILOVO, G. CALABRÒ, A. CUCCHIARO, A. PIZZUTO, G. RAMOGIDA, C. RITA

Toroidal field coil thermal analysis for fast tokamak
23rd Symposium on Fusion Engineering (SOFE)
San Diego, CA (USA) May 31 - June 5, 2009

R. VILLARI, A. CUCCHIARO, B. ESPOSITO, D. MAROCCO, F. MORO, L. PETRIZZI, A. PIZZUTO, G. BROLATTI

Neutronic analysis of FAST
23rd Symposium on Fusion Engineering (SOFE)
San Diego, CA (USA) May 31 - June 5, 2009

M. PILLON, M. ANGELONE, P. BATISTONI, S. VILLARI, S. ALMAVIVA, M. MARINELLI, E. MILANI, G. PRESTOPINO, C. VERONA, G. VERONA RINATI

Development of on-line tritium monitor based upon artificial diamond and test on an ITER blanket mock-up
ANIMMA International Conference
Marseille (France) June 7-10, 2009

M. ANGELONE, G. AIELLI, S. ALMAVIVA, R. CARDARELI, D. LATTANZI, M. MARINELLI, E. MILANI, M. PILLON, G. PRESTOPINO, R. SANTONICO, C. VERONA, G. VERONA RINATI

Neutron spectroscopy by means of artificial diamond detectors using a remote read out scheme
ANIMMA International Conference
Marseille (France) June 7-10, 2009

G. GRANUCCI, G. RAMPONI, G. CALABRÒ, F. CRISANTI, G. RAMOGIDA, W. BIN, A. BOTRUGNO, P. BURATTI, O. D'ARCANGELO, D. FRIGIONE, G. PUCCELLA, A. ROMANO AND FTU AND ECRH TEM

ECRH assisted start-up studies and experiments on FTU
36th European Conference on Plasma Physics (EPS)
Sofia (Bulgaria) June 29- July 3, 2009

F. BOMBARDA, A. FRATTOLILLO, S. MIGLIORI, M. CAPOBIANCHI, G. RONCI, L.R. BAYLOR, S.K. COMBS, J.B.O. CAUGHMAN, C. FOUST, S.J. MEITNER, B. COPPI, G. ROVETA

Testing of the high speed pellet injector for ignitor
36th European Conference on Plasma Physics (EPS)
Sofia (Bulgaria) June 29 - July 3, 2009

B. COPPI, F. BOMBARDA, P. DETRAGIACHE, A. CARDINALI, A. AIROLDI, G. CENACCHI

The high density path to fusion

36th European Conference on Plasma Physics (EPS)

Sofia (Bulgaria) June 29 - July 3, 2009

R. DE ANGELIS, F. ORSITTO, M. BRIX, N. HAWKES, E. RACHLEW, A. BOTRUGNO, P. BURATTI, A. FONSECA, D. HOWELL, V. PERICOLI, O. TUDISCO AND JET-EFDA CONTRIBUTORS

Current profile measurements in JET advanced tokamak scenarios

36th European Conference on Plasma Physics (EPS)

Sofia (Bulgaria) June 29 - July 3, 2009

L. GABELLIERI, D. PACELLA, D. MAZON, A. ROMANO, R. GUIRLET, O. MEYER

A simplified automatic method to derive information about content and spatial distribution of the impurities in tokamak plasmas

36th European Conference on Plasma Physics (EPS)

Sofia (Bulgaria) June 29 - July 3, 2009

A. ROMANO, D. PACELLA, D. MAZON, L. GABELLIERI, R. VILOTTE

Global analysis of the 2-D soft-X-ray tomography reconstructions at Tore Supra by means of form factors

36th European Conference on Plasma Physics (EPS)

Sofia (Bulgaria) June 29 - July 3, 2009

E. GIOVANNOZZI, M.N.A. BEURSKENS, A. BOBOC, A. BOTRUGNO, M. BRIX, J. BUCALOSSI, P. BURATTI, G. CALABRÒ, R. CESARIO, C. CHALLIS, I. COFFEY, F. CRISANTI, K. CROMBE, T. EICH, J. FLANAGAN, D. FRIGIONE, L. GARZOTTI, C. GIROUD, E. JOFFRIN, M. KEMPENAARSM E, DE LA LUNA, P. LANG, T. LOARE, G. MADDISON, C. MAZZOTTA, F. ORSITTO, R. PASQUALOTTO, V. PERICOLI, F. RIMINI, M. TSALAS, O. TUDISCO, M. WALSH, S. WIESEN, L., ZABEO AND EFDA-JET CONTRIBUTORS

Optimizing performane of hybrid and AT discharges in preparation ofr the ITER like wall

36th European Conference on Plasma Physics (EPS)

Sofia (Bulgaria) June 29- July 3, 2009

D. FRIGIONE, A. BOBOC, K. GÀL, L. GARZOTTI, E. GIOVANNOZZI, F. KOECHL, G. KOCSIS, P. LANG, B. PÉGOURIÉ, M. VALOVIC AND EFDA-JET CONTRIBUTORS

Analysis of pellet fuelling, ablation and particle deposition at JET

36th European Conference on Plasma Physics (EPS)

Sofia (Bulgaria) June 29- July 3, 2009

P. BURATTI, R.J. BUTTERY, C.D. CHALLIS, I.T. CHAPMAN, F. CRISANTI, M. GRYAZNEVICH, T.C. HENDER, D.F. HOWELL, E. JOFFRIN, J. HOBIRK, F. IMBEAU, X. LITAUDON, J. MAILLOUX AND JET-EFDA CONTRIBUTORS

MHD stability limit analysis in JET high β_N advanced scenarios

36th European Conference on Plasma Physics (EPS)

Sofia (Bulgaria) June 29- July 3, 2009

B. ALPER, L. BARRERA, M. BARUZZO, A. BOTRUNO, P. BURATTI, L. FIGINI, D.F. HOWLL, C. GIROUD, E. DE LA LUNA, P. PIOVESAN, O. TUDISCO AND JET-EFDA CONTRIBUTORS

MHD mode localisation in the JET tokamak

36th European Conference on Plasma Physics (EPS)

Sofia (Bulgaria) June 29- July 3, 2009

C. DI TROIA, S. BRIGUGLIO, A. CARDINALI, G. FOGACCIA, M. MARINUCCI, G. VLAD, F. ZONCA

Collective behaviors of fast ions accelerated by Ion cyclotron resonance heating

36th European Conference on Plasma Physics (EPS)

Sofia (Bulgaria) June 29- July 3, 2009

ILIJA CHAVDAROVSKI, F. ZONCA

Effects of trapped particle dynamics on the structures of low-frequency shear Alfvén continuous spectrum
36th European Conference on Plasma Physics (EPS)
Sofia (Bulgaria) June 29 - July 3, 2009

A. CARDINALI, S. BRIGUGLIO, C. DI TROIA, G. FOGACCIA, M. MARINUCCI, G. VLAD, F. ZONCA

Minority heating by ICRH: a tool for investigating burning plasma physics in FAST
18th Topical Conference on Radio Frequency Power in Plasmas
Gent (Belgium) June 22-24, 2009

R. CESARIO, L. AMICUCCI, G. CALABRÒ, A. CARDINALI, C. CASTALDO, M. MARINUCCI, L. PANACCIONE

Lower hybrid current drive at ITER-relevant high plasma densities
18th Topical Conference on Radio Frequency Power in Plasmas
Gent (Belgium) June 22-24, 2009

A. BERTOCCHI, L. BONCAGNI, C. CENTIOLI, F. IANNONE, M. PANELLA, M. VELLUCCI, V. VITALE

Open source solutions in control and data acquisition systems: FTU case studies
Seven IAEA Technical Meeting on Control, Data Acquisition, and Remote Participation for Fusion Research
Aix en Provence (France) June 15-19, 2009

L. BONCAGNI, S. GALEANI, G. GRANUCCI, G. VARANO, V. VITALE, L. ZACCARIAN

Using dynamic input allocation for elongation control at FTU
Seven IAEA Technical Meeting on Control, Data Acquisition, and Remote Participation for Fusion Research
Aix en Provence (France) June 15-19, 2009

M.T. PORFIRI, T. PINNA

ITER ORE assessment outline and last achievements in the diagnostic system
9th IAEA Technical Meeting on "Fusion Power Plant Safety"
Vienna (Austria) July 15-17, 2009

2008

L. DI PACE, T. PINNA, A. NATALIZIO

ITER post-accident recovery: a worker dose perspective
18th TOFE
San Francisco, CA (USA) September 28-October 2, 2008

L. BONCAGNI, C. CENTIOLI, L. FIASCA, F. IANNONE, M. PANELLA, V. VITALE, L. ZACCARIAN

Introducing a virtualization technology for the FTU plasma control system
18th TOFE
San Francisco, CA (USA) September 28-October 2, 2008

T. PINNA, A. NATALIZIO

Safety analysis of ITER failures and consequences during maintenance
25th Symposium on Fusion Technology (SOFT)
Rostock (Germany) September, 15-19, 2008

P. ROSSI, A. PIZZUTO, L. SEMERARO, C. ANNINO, C. NARDI, L. BETTINALI, A. LO BUE, W. BAKER, G. MAZZONE, J. KNASTER

Stress relaxation testing of pre-compression ring mock-up for the ITER magnet system
25th Symposium on Fusion Technology (SOFT)
Rostock (Germany) September, 15-19, 2008

S. ROCCELLA, E. CACCIOTTI, F. ESCOURBIAC, A. PIZZUTO, B. RICCARDI, A. TATI', P. VARONE, E. VISCA

Development of an ultrasonic test methods for the non-destructive examination of ITER divertor components
25th Symposium on Fusion Technology (SOFT)
Rostock (Germany) September, 15-19, 2008

S. ROCCELLA, A. MARIN, F. LUCCA, A. PIZZUTO, G. RAMOGIDA

Residual magnetic stray field in ITER building and field perturbation on the plasma due to ferromagnetic iron components outside the vessel
25th Symposium on Fusion Technology (SOFT)
Rostock (Germany) September, 15-19, 2008

D. CARNEVALE, A. ASTOLFI, C. CENTIOLI, S. PODDA, L. ZACCARIAN

A new extremum seeking schema for the m aximization of the plasma RF heating on FTU
25th Symposium on Fusion Technology (SOFT)
Rostock (Germany) September, 15-19, 2008

A. CAPRICCIOLI, P. FROSI

Multipurpose ANSYS FE procedure for welding processes simulation
25th Symposium on Fusion Technology (SOFT)
Rostock (Germany) September, 15-19, 2008

V. CORATO, L. MUZZI, A. DELLA CORTE, R. VIOLA

The key role of twist pitch and mechanical pre-treatment in the transport properties of Mn₃Sn wires subject to bending strain
25th Symposium on Fusion Technology (SOFT)
Rostock, Germania September 15-19, 2008

G.L. RAVERA, A. CARDINALI, C. CASTALDO, R. CESARIO, R. MAGGIORA, F. MIRIZZI, A.A. TUCCILLO

Preliminary analysis of the exteranal matching unit for the ICRH system for FAST
25th Symposium on Fusion Technology (SOFT)
Rostock (Germany) September, 15-19, 2008

G. RAMOGIDA, G. CALABRÒ, V. COCILOVO, F. CRISANTI, A. CUCCHIARO, A. PIZZUTO, C. RITA, R. ALBANESE, G. ARTASERSE, F. MAVIGLIA, M. MATTEI

Plasma scenarios, equilibrium configurations and control in the design of FAST
25th Symposium on Fusion Technology (SOFT)
Rostock (Germany) September, 15-19, 2008

G.M. POLLI, L. RECCIA, A. CUCCHIARO, A. DELLA CORTE, A. DI ZENOBIO, L. MUZZI, A. PIZZUTO, G. RAMOGIDA, S. TURTÙ, R. VILLARI, M. NANNINI, C. PORTAFAIX, L. ZANI, P. BARABASCHI

2D thermal analysis for heat transfer from casing to winding pack in JT-60SA TF coils
25th Symposium on Fusion Technology (SOFT)
Rostock (Germany) September 15-19, 2008

R. VILLARI, P. BARABASCHI, A. CUCCHIARO, A. DELLA CORTE, A. DI ZENOBIO, N. DOLGETTA, B. LACROIX, F. MORO, L. MUZZI, S. NICOLLET, L. PETRIZZI, A. PIZZUTO, G.M. POLLI, C. PORTAFAIX, G. RAMOGIDA, L. RECCIA, S. ROCCELLA, A. SUKEGAWA, S. TURTÙ, K. YOSHIDA, L. ZANI

Neutronic analysis of the JT-60SA toroidal magnets
25th Symposium on Fusion Technology (SOFT)
Rostock (Germany) September, 15-19, 2008

F. BORGOGNONI, A. MORIANI, SANDRO SANDRI, SILVANO TOSTI

Evaluation of tritium diffusion through the neutral beam injector calorimeter panel
25th Symposium on Fusion Technology (SOFT)
Rostock (Germany) September, 15-19, 2008

L. ZACCARIAN, L. BONCAGNI, D. CASCONI, C. CENTIOLI, S. CERINO, F. GRAVANTI, F. IANNONE, F. MECOCCHI, L. PANGIONE, S. PODDA, V. VITALE, R. VITELLI

Nonlinear instabilities induced by the F coil power amplifier at FTU: modeling and control

25th Symposium on Fusion Technology (SOFT)

Rostock (Germany) September, 15-19, 2008

L. BONCAGNI, C. CENTIOLI, L. LATTANZIO, M. PANELLA, C. TORELLI, L. ZACCARIAN

A web services based system for the distribution of live information in fusion experiments

25th Symposium on Fusion Technology (SOFT)

Rostock (Germany) September, 15-19, 2008

C. NERI, A. COLETTI, M. FERRI DE COLLISBUS, G. FORNETTI, F. POLLASTRONE

The upgraded laser in vessel viewing system (IVVS) for ITER

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P. BATISTONI, M. ANGELONE, U. FISCHER, D. LEICHTLE, A. KLIX, I. KODELI, L. PETRIZZI, W. POHORECKI, A. TRKOV, R. VILLARI

Design optimisation and measuring techniques for the neutronics experiment on a HCLL-TBM mock-up

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F. MIRIZZI, A. BRUSCHI, A. CARDINALI, R. CESARIO, G. GRANUCCI, R. MAGGIORA, L. PANACCIONE, V. PERICOLI-RIDOLFINI, G.L. RAVERA, A.A. TUCCILLO

The three RF additional heating systems for FAST

25th Symposium on Fusion Technology (SOFT)

Rostock (Germany) September, 15-19, 2008

D. LATTANZI, M. ANGELONE, M. PILLON, S. ALMAVIVA, M. MARINELLI, E. MILANI, G. PRESTOPINO, A. TUCCIARONE, C. VERONA, G. VERONA-RINATI, S. POPOVICHEV, R.M. MONTEREALI, M.A. VINCENTI, A. MURARI, JET-EFDA CONTRIBUTORS

Single crystal CVD diamonds as neutron detectors at JET

25th Symposium on Fusion Technology (SOFT)

Rostock (Germany) September, 15-19, 2008

C. NARDI, S. PAPASTERGIOU

ENEA study on vertical module segmentation for a DCLL blanket for DEMO

25th Symposium on Fusion Technology (SOFT)

Rostock (Germany) September, 15-19, 2008

E. VISCA, F. ESCOURBIAC, S. LIBERA, A. MANCINI, G. MAZZONE, M. MEROLA, A. PIZZUTO

Development and testin of high heat flux components for ITER divertor in ENEA

25th Symposium on Fusion Technology (SOFT)

Rostock (Germany) September, 15-19, 2008

A. A. TUCCILLO, A. ALEKSEYEV, B. ANGELINI, S. V. ANNIBALDI, M. L. APICELLA, G. APRUZZESE, J. BERRINO, E. BARBATO, A. BERTOCCHI, A. BIANCALANI, W. BIN, A. BOTRUGNO, G. BRACCO, S. BRIGUGLIO, A. BRUSCHI, P. BURATTI, G. CALABRÒ, A. CARDINALI, C. CASTALDO, C. CENTIOLI, R. CESARIO, L. CHEN, S. CIRANT, V. COCILOVO, F. CRISANTI, R. DE ANGELIS, U. DE ANGELIS, L. DI MATTEO, C. DI TROIA, B. ESPOSITO, G. FOGACCIA, D. FRIGIONE, L. GABELLIERI, F. GANDINI, E. GIOVANNOZZI, G. GRANUCCI, F. GRAVANTI, G. GROSSETTI, G. GROSSO, F. IANNONE, H. KROEGLER, V. LAZAREV, E. LAZZARO, I. E. LYUBLINSKI, G. MADDALUNO, M. MARINUCCI, D. MAROCCO, J. R. MARTIN SOLIS, G. MAZZITELLI, C. MAZZOTTA, V. MELLERA, F. MIRIZZI, S. MIRNOV, G. MONARI, A. MORO, V. MUZZINI, S. NOWAK, F. P. ORSITTO, L. PANACCIONE, D. PACELLA, M. PANELLA, F. PEGORARO, V. PERICOLI RIDOLFINI, S. PODDA, S. RATYNSKAIA, G. RAVERA, A. ROMANO, A. RUFOLONI, A. SIMONETTO, P. SMEULDERS, C. SOZZI, E. STERNINI, B. TILIA, O. TUDISCO, A. VERTKOV, V. VITALE, G. VLAD, R. ZAGÓRSKI, M. ZERBINI, F. ZONCA

Overview of the FTU Results

22nd IAEA Fusion Energy Conference “Celebrating fifty years of fusion.....entering into the burning plasma era”
Geneve (Switzerland) October 13-18, 2008

G. CALABRÒ, F. CRISANTI, G. RAMOGIDA, R. ALBANESE, A. CARDINALI, A. CUCCHIARO, G. GRANUCCI, G. MADDALUNO, S. NOWAK, A. PIZZUTO, V. PERICOLI RIDOLFINI, A.A. TUCCILLO, F. ZONCA

FAST plasma scenarios and equilibrium configurations

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U. FISCHER, P. BATISTONI, A. KLIX, I. KODELI, R.L. PEREL

Neutronics R&D efforts in support of the european breeder blanket development programme

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Disruption Control on FTU and ASDEX Upgrade with ECRH

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A. CARDINALI, S. BRIGUGLIO, G. CALABRÒ, F. CRISANTI, C. DI TROIA, G. FOGACCIA, M. MARINUCCI, G. VLAD AND F. ZONCA

Minority Ions Acceleration by ICRH: a tool for investigating Burning Plasma Physics

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M.L. APICELLA, F. CRISANTI, G. MADDALUNO, V. PERICOLI-RIDOLFINI, R. ZAGORSKI

Edge plasma issues of the tokamak FAST (Fusion Advanced Studies Torus) in reactor relevant conditions

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A. CUCCHIARO, R. ALBANESE, G. AMBROSINO, G. BROLATTI, G. CALABRÒ, V. COCILOVO, A. COLETTI, R. COLETTI, P. COSTA, P. FROSI, F. CRESCENZI, F. CRISANTI, G. GRANUCCI, G. MADDALUNO, V. PERICOLI RIDOLFINI, A. PIZZUTO, C. RITA, G. RAMOGIDA

Load assembly design of the fast machine (rev 1)

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G. MAZZITELLI, M.L. APICELLA, M. MARINUCCI, A. ALEKSEYEV, G. APRUZZESE, P. BURATTI, R. CESARIO, L. GABELLIERI, V. LAZAREV, I. LYUBLINSKI, C. MAZZOTTA, S. MIRNOV, V. PEPRICOLI RIDOLFINI, A. ROMANO, O. TUDISCO, A. VERTKOV, R. ZAGORSKI, FTU TEAM, ECRH TEAM, R.B. GOMES, H. FERNANDES, C. SILVA, C. VARANDAS, O. LIELAUSIS, A. KLYUKIN, E. PLATACIS

Status and perspectives of the liquid material experiments in FTU and ISTTOK

22nd IAEA Fusion Energy Conference “Celebrating fifty years of fusion.....entering into the burning plasma era”
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G. VLAD, S. BRIGUGLIO, C. DI TROIA, G. FOGACCIA, F. ZONCA, K. SHINOHARA, M. ISHIKAWA, M. TAKECHI, W.W. HEIDBRING, M.A. VAN ZEELAND, A. BIERWAGE, X WANG

Particle simulation of energetic particle driven Alfvén modes

22nd IAEA Fusion Energy Conference “Celebrating fifty years of fusion.....entering into the burning plasma era”
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A. PIZZUTO

The Fusion Advanced Studies Torus (FAST): a Proposal for an ITER Satellite Facility in Support of the Development of Fusion Energy

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Geneve (Switzerland) October 13-18, 2008

A. BIANCALANI, L. CHEN, F. PEGORARO, F. ZONCA, S. V. ANNIBALDI, A. BOTRUGNO, P. BURATTI, P. SMEULDERS

Shear Alfvén wave continuous spectrum in the presence of a magnetic Island

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C. CASTALDO, E. GIOVANNOZZI, S. RATYNSKAIA, G. CAPOBIANCO, M. DE ANGELI, U. DE ANGELIS, M. KRETSCHMER, G. MADDALUNO, C. MARMOLINO, G.E. MORFILL, V. PERICOLI-RIDOLFINI, L. PIERONI, K. RYPDAL, A. RUFOLONI, A.A. TUCCILLO, A. VANNOZZI

Detection of Dust particles in FTU

22nd IAEA Fusion Energy Conference “Celebrating fifty years of fusion.....entering into the burning plasma era”
Geneve (Switzerland) October 13-18, 2008

R. CESARIO, L. PANACCIONE, M. MARINUCCI, P. SMEULDERS, A. BOTRUGNO, G. CALABRÒ, C. CASTALDO, A. ROMANO, V. PERICOLI, A.A. TUCCILLO, F. ZONCA

Fishbone-like internal kink instability driven by supra-thermal electrons on FTU generated by lower hybrid radiofrequency power

22nd IAEA Fusion Energy Conference “Celebrating fifty years of fusion.....entering into the burning plasma era”
Geneve (Switzerland) October 13-18, 2008

A. BOTRUGNO, P. BURATTI, B. COPPI

Temperature-Gradient-Driven Tearing Modes

22nd IAEA Fusion Energy Conference “Celebrating fifty years of fusion.....entering into the burning plasma era”
Geneve (Switzerland) October 13-18, 2008

F. ZONCA, L. CHEN, Z. QIU

Kinetic theory of Geodesic Acoustic Modes: radial structures and nonlinear excitations

22nd IAEA Fusion Energy Conference “Celebrating fifty years of fusion.....entering into the burning plasma era”
Geneve (Switzerland) October 13-18, 2008

A. COLETTI, P. COSTA, M. SANTINELLI

Usa di matematica per il dimensionamento delle alimentazioni elettriche di macchine (tokamak) per lo studio della fusione nucleare

Mathematic Italia - User Group Meeting

Rome (Italia) November, 26-28, 2008

E. GIOVANNOZZI, C. CASTALDO, G. APRUZZESE, G. MADDALUNO, S. RATYNSKAIA, A. RYDZY

Dust in FTU with the Thomson scattering diagnostic

5th International Conference on the Physics of Dusty Plasmas (ICPDP5)

Ponta Delgada, Azores May, 18-23, 2008

R. DE ANGELIS, M.G. VON HELLERMANN, F.P. ORSITTO, S. TUGARINOV

Investigating the possibility of a survey fast ion diagnostic for ITER

17th Topical Conference "High-Temperature Plasma Diagnostics"

Albuquerque, NM (USA) May 11-15, 2008

F. BELLI, B. ESPOSITO, D. MAROCCO, M. RIVA, A. ZIMBAL

Application of a digital pileup resolving method to high count rate neutron measurements

17th Topical Conference "High-Temperature Plasma Diagnostics"

Albuquerque, NM (USA) May 11-15, 2008

D. MAZON, D. PACELLA, P. MALARD, D. GARNIER, A. ROMANO, AND C. BOUCHAND

An original calibration technique for soft x-ray detectors and its use in the Tore Supra tomographic system

17th Topical Conference "High-Temperature Plasma Diagnostics"

Albuquerque, NM (USA) May 11-15, 2008

D. PACELLA, D. MAZON, A. ROMANO, P. MALARD, G. PIZZICAROLI

Characterization of detection efficiency as function of energy for soft x-ray detectors

17th Topical Conference "High-Temperature Plasma Diagnostics"

Albuquerque, NM (USA) May 11-15, 2008

A. BIANCALANI, L. CHEN, F. PEGORARO, F. ZONCA

Continuous spectrum of shear Alfvén waves in the presence of a magnetic island

35th European Physical Society Conference on Plasma Physics

Hersonissos, Crete (Grecia) June, 9-13, 2008

P. BURATTI, C.D. CHALLIS, M. GRYAWNEVICH, T.C. HENDER, E. JOFFRIN, T. LUCE, P. SMEULDERS AND JET-EFDA CONTRIBUTORS

Radial analysis of beta-limiting modes in JET

35th European Physical Society Conference on Plasma Physics

Hersonissos, Crete (Grecia) June, 9-13, 2008

C. DI TROIA, S. BRIGUGLIO, G. CALABRÒ, A. CARDINALI, F. CRISANTI, G. FOGACCIA, M. MARINUCCI, G. VLAD, F. ZONCA

Investigation of fast ion behavior in burning plasmas via Ion Cyclotron Resonance Heating

35th European Physical Society Conference on Plasma Physics

Hersonissos, Crete (Grecia) June, 9-13, 2008

F. ALLADIO, A. MANCUSO, P. MICOZZI

Rotating twisted filaments buoyancy: comparison between the convective region of the sun and the edge of a tokamak plasma

35th European Physical Society Conference on Plasma Physics

Hersonissos, Crete (Grecia) June, 9-13, 2008

R. CESARIO, A. CARDINALI, C. CASTALDO, D. DE ARCANGELIS, B. EUSEPI, A.A. TUCCILLO

Lower hybrid current drive at high densities of ITER

35th European Physical Society Conference on Plasma Physics

Hersonissos, Crete (Grecia) June, 9-13, 2008

C. MAZZOTTA, M. ROMANELLI, O. TUDISCO, L. CARRARO, S. CIRANT, E. GIOVANNOZZI, L. GABELLIERI, G. GRANUCCI, M. MARINUCCI, S. NOVAK, V. PERICOLI, M.E. PUIATTI, A. ROMANO, L. LAURO TARONI, AND FTU TEAM

Particle density behavior in FTU electron heated plasmas

35th European Physical Society Conference on Plasma Physics

Hersonissos, Crete (Grecia) June, 9-13, 2008

G. SONNINO, PH. PEETERS, F. ZONCA, G. BREYANNIS

A kinetic model for the diffusion coefficients of magnetically confined plasmas in the low-collisional regime

35th European Physical Society Conference on Plasma Physics

Hersonissos, Crete (Grecia) June, 9-13, 2008

F. ZONCA, LIU CHEN

Self-consistent energetic particle nonlinear dynamics due to shear Alfvén wave excitations

35th European Physical Society Conference on Plasma Physics

Hersonissos, Crete (Grecia) June, 9-13, 2008

D. MAROCCO, F. BELLI, B. ESPOSITO, M. RIVA

High count rate neutron spectrometry with liquid scintillation detectors

SORMA West

Berkeley, CA (USA) June 2-5, 2008

M. ANGELONE, G. AIELLI, D. LATTANZI, M. PILLON, S. ALMAVIVA, M. MARINELLI, E. MILANI, G. PRESTOPINO, A. TUCCIARONE, C. VERONA, G. VERONA-RINATI, R. CARDARELLI, R. SANTONICO

Neutron detectors based upon artificial single crystal diamond

SORMA West

Berkeley, CA (USA) June 2-5, 2008

F. MIRIZZI

Comparative analysis of vacuum feedthroughs for the ICRH system for Ignitor

7th International workshop Strong Microwaves: Source and Applications (SMSA-2008)

Nizhny Novgorod (Russia) July 27 - August 2, 2008

F. MIRIZZI, A. CARDINALI, R. CESARIO, L. PANACCIONE, V. PERICOLI-RIDOLFINI, G.L. RAVERA, A.A. TUCCILLO

Conceptual design of the lower hybrid additional heating system for fast

7th International workshop Strong Microwaves: Source and Applications (SMSA-2008)

Nizhny Novgorod (Russia) July 27 - August 2, 2008

F. ZONCA, L. CHEN

Nonlinear dynamics and complex behaviors in magnetized plasmas of fusion interest

Int. Workshop on the Frontiers of Modern Plasma Physics (ICTP)

Trieste (Italia) July 14-25, 2008

C. CASTALDO, A. CARDINALI

Tritium minority heating with mode conversion of fast waves

Theory of Fusion Plasmas, Joint Varenna - Lausanne International Workshop, Villa Monastero,

Varenna (Italia) August 25 -29, 2008

A. AUGIERI, V. GALLUZZI, G. CELENTANO, A.A. ANGRISANI, A. MANCINI, A. RUFOLONI, A. VANNOZZI, E. SILVA, N. POMPEO, T. PETRISOR, L. CIONTEA, U. GAMBARDELLA, S. RUBANOV

Transport property improvement by means of BZO inclusions in PLD grown YBCO thin films

2008 Applied Superconductivity Conference

Chicago, IL (USA) August 17-22, 2008

C. FIAMOZZI ZIGNANI, V. CORATO, A. DELLA CORTE, A. DI ZENOBIO, G. MESSINA, L. MUZZI

Simulation by finite difference numerical method of Nb₃Sn strand under bending strain

2008 Applied Superconductivity Conference

Chicago, IL (USA) August 17-22, 2008

A. DELLA CORTE, A. DI ZENOBIO, L. MUZZI, G. PASOTTI, G.M. POLLI, L. RECCIA, S. TORTU'

ENFASI: conceptual design of a 15 T large bore superconducting test facility

2008 Applied Superconductivity Conference

Chicago, IL (USA) August 17-22, 2008

A. DI ZENOBIO, U. BESI VETRELLA, V. CORATO, A. DELLA CORTE, G. GIORGI, F. MAIERNA, G. MESSINA, L. MUZZI, S. TORTU',

Application of the ENEA joint concept to NbTi CIC conductors

2008 Applied Superconductivity Conference

Chicago, IL (USA) August 17-22, 2008

V. CORATO, L. MUZZI, A. DELLA CORTE, A. DI ZENOBIO, S. TORTU', R. VIOLA

The influence of bending strain on the critical current of Nb₃Sn strands with different filament twist pitch

2008 Applied Superconductivity Conference

Chicago, IL (USA) August 17-22, 2008

L. MUZZI, L. AFFINITO, V. CORATO, G. DE MARZI, A. DI ZENOBIO, C. FIAMOZZI ZIGNANI, M. NAPOLITANO, S. TURTU', R. VIOLA, A. DELLA CORTE,

Magnetic and transport characterization of NbTi strands as a basic for the design of fusion magnets

2008 Applied Superconductivity Conference

Chicago, IL (USA) August 17-22, 2008

A. VANNOZZI, G. CELENTANO, A. ANGRISANI ARMENIO, A. AUGIERI, V. GALLUZZI, U. GAMBARDELLA, A. MANCINI, T. PETRISOR, A. RUFOLONI, G. THALMAIER

Ni-Cu-Co alloy textured substrate for YBCO coated conductors

2008 Applied Superconductivity Conference

Chicago, IL (USA) August 17-22, 2008

A. ANGRISANI ARMENIO, G. CELENTANO, A. RUFOLONI, A. VANNOZZI, A. AUGIERI, V. GALUZZI, A. MANCINI, L. CIONTEA, T. PETRISOR, G. CONTINI, I. DAVOLI

Deposition and characterization of metal propionate derived epitaxial YBa₂Cu₃O_{7-x} films for coated conductor fabrication

2008 Applied Superconductivity Conference

Chicago, IL (USA) August 17-22, 2008

N. POMPEO, R. ROGAI, V. GALLUZZI, A. AUGIERI, G. CELENTANO, L. CIONTEA, T. PETRISOR, E. SILVA

Effect of BaZrO₃ inclusions on the microwave surface impedance of YBCO films in a magnetic field

2008 Applied Superconductivity Conference

Chicago, IL (USA) August 17-22, 2008

G. CELENTANO, G.M. POLLI, A. ANGRISANI ARMENIO, A. AUGIERI, V. GALLUZZI, A. MANCINI, A. RUFOLONI, A. VANNOZZI, U. GAMBARDELLA, A. SAGGESE, S. PACE

Hot spot stimulated transition in YBCO coated conductors: experiments and simulations

2008 Applied Superconductivity Conference

Chicago, IL (USA) August 17-22, 2008

L. AFFINITO, A. DELLA CORTE, M. NAPOLITANO, G.M. POLLI

An optimized bipolar current lead for the ENEA variable temperature insert test facility for critical current measurements

2008 Applied Superconductivity Conference

Chicago, IL (USA) August 17-22, 2008

A. PORTONE, W. BAKER, E. FERNANDEZ-CANO, E. SALPIETRO, P. TESTONI, A. VOSTNER, P. BRUZZONE, A. DELLA CORTE, A. BALDINI, E. THEISEN

Status of the EDIPO project

2008 Applied Superconductivity Conference

Chicago, IL (USA) August 17-22, 2008

P. BRUZZONE, B. STEPANOV, R. WESCHE, A. DELLA CORTE, L. AFFINITO, M. NAPOLITANO, A. VOSTNER

Test results of a Nb₃Sn cable-in-conduit conductor with variable pitch sequence

2008 Applied Superconductivity Conference

Chicago, IL (USA) August 17-22, 2008

V. VIOLANTE, F. SARTO, E. CASTAGNA, M. SANSOVINI, S. LECCI, D.L. KNIES, K.S. GRABOWSKI, G.K. HUBLER

Material science on Pd-D system to study the occurrence of excess of power

14th International Conference on Cold Fusion (ICCF-14)

Washington, DC (USA) August 10-15, 2008

F. SARTO, E. CASTAGNA, M. SANSOVINI, S. LECCI, V. VIOLANTE, D.L. KNIES, K.S. GRABOWSKI, G.K. HUBLER

Electrode surface morphology characterization by atomic force microscopy

14th International Conference on Cold Fusion (ICCF-14)

Washington, DC (USA) August 10-15, 2008

E. CASTAGNA, M. SANSOVINI, S. LECCI, A. RUFOLONI, F. SARTO, V. VIOLANTE, D.L. KNIES, K.S. GRABOWSKI, G.K. HUBLER, M. MCKUBRE, F. TANZELLA

Metallurgical characterization of Pd electrodes employed in calorimetric experiments under electrochemical deuterium loading

14th International Conference on Cold Fusion (ICCF-14)

Washington, DC (USA) August 10-15, 2008

A. AUGIERI, V. GALLUZZI, G. CELENTANO, A. ANGRISANI ARMENIO, A. MANCINI, A. RUFOLONI, A. VANNOZZI, E. SILVA, N. POMPEO, T. PETRISOR, L. CIONTEA, S. RUBANOV

Miglioramento delle proprietà di trasporto mediante introduzione di nano-inclusioni di BaZrO₃ in film di YBCO cresciuti per PLD

SATT14 - XIV Congresso Nazionale di Superconduttività

Parma (Italia) 19-21 Marzo 2008

U. GAMBARDELLA, S. PACE, A. SAGGESE, A. ANGRISANI ARMENIO, A. AUGIERI, G. CELENTANO, V. GALLUZZI, A. MANCINI, A. RUFOLONI, G. POLLI, A. VANNOZZI

Analisi della dinamica di propagazione della zona normale in nastri di YBCO-Coated Conductors commerciali

SATT14 - XIV Congresso Nazionale di Superconduttività

Parma (Italia) 19-21 Marzo 2008

A. ANGRISANI ARMENIO, A. AUGIERI, G. CELENTANO, L. CIONTEA, V. GALLUZZI, A. MANCINI, T. PETRISOR, A. RUFOLONI, A. VANNOZZI

Film di YBa₂Cu₃O_{7-x} con tecnica MOD TFA-modificata per la realizzazione di coated conductors

SATT14 - XIV Congresso Nazionale di Superconduttività

Parma (Italia) 19-21 Marzo 2008

I. COLANTONI, A. VANNOZZI, A. AUGIERI, G. CELENTANO, F. D'ACAPITO, I. DAVOLI, V. GALLUZZI, M. LUCCI, A. MANCINI, A. RUFOLONI

Caratterizzazione spettroscopica di film di Pd su substrati di Ni-W per la realizzazione di YBCO-coated conductors

SATT14 - XIV Congresso Nazionale di Superconduttività

Parma (Italia) 19-21 Marzo 2008

N. POMPEO, V. GALLUZZI, R. ROGAI, G. CELENTANO, E. SILVA

Change of strength and nature of vortex pinning in YBCO due to BaZrO₃ inclusions

Joint ESF and JSPS Conference on Vortex Matter in Nanostructured Superconductors (VORTEX V)

Rhodes (Greece) September 8-14, 2007

C. NARDI, C. ANNINO, L. BETTINALI

Short term tests on unidirectional fiberglass for ITER pre-compression rings

8th Int. Symposium on Fusion Nuclear Technology ISFNT-8

Heidelberg (Germany) September, 30-October 5, 2007

R. VILLARI, M. ANGELONE, P. BATISTONI, U. FISCHER, P. PERESLAVTSEV, L. PETRIZZI, S. POPOVICHEV, JET-EFDA CONTRIBUTORS

Validation of shutdown dose rate Monte Carlo calculations through a benchmark experiment at JET

8th Int. Symposium on Fusion Nuclear Technology ISFNT-8

Heidelberg (Germany) September, 30-October 5, 2007

F. BORGOGNONI, C. RIZZELLO, S. TOSTI

Experimental study of the detritiation system catalyst poisoning

8th Int. Symposium on Fusion Nuclear Technology ISFNT-8

Heidelberg (Germany) September, 30-October 5, 2007

M. ZUCCHETTI, L. DI PACE, L. EL-GUEBALY, B.N. KOLBASOV, V. MASSAUT, R. PAMPIN, P. WILSON

An integrated approach to the back-end of the fusion materials cycle

8th Int. Symposium on Fusion Nuclear Technology ISFNT-8

Heidelberg (Germany) September, 30-October 5, 2007

T. PINNA, R. CAPORALI, A. TESINI

Failure mode and effect analysis for remote handling transfer systems of ITER

8th Int. Symposium on Fusion Nuclear Technology ISFNT-8

Heidelberg (Germany) September, 30-October 5, 2007

L. DI PACE, E. LETELLIER, H. MAUBERT, W. RASKOB

Biological hazard issues from potential releases of tritiated dust from ITER

8th Int. Symposium on Fusion Nuclear Technology ISFNT-8

Heidelberg (Germany) September, 30-October 5, 2007

T. PINNA, L.V. BOCCACCINI, J.F. SALAVY

Failure mode and effect analysis for the European test blanket modules

8th Int. Symposium on Fusion Nuclear Technology ISFNT-8

Heidelberg (Germany) September, 30-October 5, 2007

T. PINNA, G. CAMBI, M. ANGELONE, JET-EFDA CONTRIBUTORS

Data collection on component malfunctions and failures of JET ICRH system

8th Int. Symposium on Fusion Nuclear Technology ISFNT-8

Heidelberg (Germany) September, 30-October 5, 2007

L. PETRIZZI, L. AUDITORE, D. CEPRAGA, G. CAMBI, R. VILLARI

Helium cooled lithium lead: activation analysis of the test blanket module in ITER

8th Int. Symposium on Fusion Nuclear Technology ISFNT-8

Heidelberg (Germany) September, 30-October 5, 2007

P. BATISTONI, U. FISHER, K. OCHIAI, L. PETRIZZI, K. SEIDEL. M. YOUSSEF

Neutronics and nuclear data issues in ITER and their validation

8th Int. Symposium on Fusion Nuclear Technology ISFNT-8

Heidelberg (Germany) September, 30-October 5, 2007

L. AFFINITO, S. CHIARELLI, V. CORATO, A. DELLA CORTE, G. DE MARZI, A. DI ZENOBIO, C. FIAMOZZI ZIGNANI, G. MESSINA, L. MUZZI, M. NAPOLITANO, S. TURTÙ

Variable-temperature characterization of NbTi strands in the low critical-current density range

8th European Conf. on Applied Superconductivity - EUCAS 2007

Bruxelles (Belgio) September 16-20, 2007

N. POMPEO, V. GALLUZZI, A. AUGIERI, F. FABBRI, G. CELENTANO, T. PETRISOR, R. ROGAI, E. SILVA

Strong reduction of the field-dependent microwave surface resistance in YBCO with BaZrO₃ inclusions

8th European Conference on Applied Superconductivity (EUCAS)

Bruxelles (Belgio) September 16-20, 2007

L. CIONTEA, G. CELENTANO, A. AUGIERI, T. RISTOIU, R. SUCIU, M.S. GABOR, A. RUFOLONI, A. VANNOZZI, V. GALLUZZI, T. PETRISOR

Chemically processed BaZrO₃ nanopowders as artificial pinning centres

8th European Conference on Applied Superconductivity (EUCAS)

Bruxelles (Belgio) September 16-20, 2007

L. CIONTEA, A. ANGRISANI ARMENIO, G. CELENTANO, T. PETRISOR jr., A. RUFOLONI, A. VANNOZZI, A. AUGERI, V. GALLUZZI, A. MANCINI, T. PETRISOR

Metal propinate synthesis of epitaxial YBa₂Cu₃O_{7-x} film

8th European Conference on Applied Superconductivity (EUCAS)

Bruxelles (Belgio) September 16-20, 2007

A. AUGIERI, V. GALLUZZI, G. CELENTANO, F. FABBRI, A. MANCINI, A. RUFOLONI, A. VANNOZZI, U. GAMBARDELLA, G. PADELETTI, A. CUSMÀ, T. PETRISOR, L. CIONTEA

Critical current density of YBa₂Cu₃O_{7-x} films with BaZrO₃ inclusions on SrTiO₃ and Al₂O₃ substrates

8th European Conf. on Applied Superconductivity - EUCAS 2007

Bruxelles (Belgio) September 16-20, 2007

A. VANNOZZI, G. CELENTANO, A. ANGRISANI, A. AUGIERI, L. CIONTEA, I. COLANTONI, V. GALLUZZI, U. GAMBARDELLA, A. MANCINI, T. PETRISOR, A. RUFOLONI, G. THALMAIER

Nickel-copper alloy tapes as textured substrates for YBCO coated conductors

8th European Conf. on Applied Superconductivity - EUCAS 2007

Bruxelles (Belgio) September 16-20, 2007

D. CIAZYNSKI, L. ZANI, P. BRUZZONE, B. STEPANOV, R. WESCHE, L. SAVOLDI RICHARD, R. ZANINO, A. NIJHUIS, Y. ILYN, S. TURTÙ, V. CORATO, G. DE MARZI

Influence of cable layout on the performance of iter-type Nb₃Sn conductors

8th European Conference on Applied Superconductivity (EUCAS)

Bruxelles (Belgio) September 16-20, 2007

G. VLAD, S. BRIGUGLIO, G. FOGACCIA, F. ZONCA, W.W. HEIDBRING, M.A. VAN ZEELAND

Particle simulations of Alfvén modes in reversed-shear DIII-D discharges heated by neutral beams

10th IAEA Technical Meeting on Energetic Particles in Magnetic Confinement Systems

Kloster Seon (Germany) October 8-10, 2007

R. CESARIO, C. CASTALDO, A. FONSECA, R. DE ANGELIS, V. PARAIL, P. SMEULDERS, M. BEURSKENS, M. BRIX, G. CALABRÒ, P. DE VRIES, J. MAILLOUX, V. PERICOLI, G. RAVERA, R. ZAGORSKI, AND JET EFDA COLLABORATORS

Lower hybrid current drive in experiments for transport barriers at high bN of JET (Joint European Torus)

17th Radio Frequency Power in Plasmas Conference

Clearwater, FL (USA) May, 7-9, 2007

A. RENIERI

Status and perspectives of the fusion research in ENEA

7th Symposium on Current Trends in International Fusion Research: A Review

Washington, DC (USA) March 5-9, 2007

L. BONCAGNI, C. CENTIOLI, F. IANNONE, C. NERI, M. PANELLA, L. PANGIONE, M. RIVA, M. SCAPPATICCI, V. VITALE, L. ZACCARIAN

Synchronous databus network in ITER: open source real-time network for the next nuclear fusion experiment

IAEA Techn. Meeting

Inujana (Giappone) June 4-8, 2007

L. PANGIONE, J.B. LISTER

Matlab modeling of ITER-CODAC

IAEA Techn. Meeting

Inujana (Giappone) June 4-8, 2007

V. VIOLANTE, F. SARTO, E. CASTAGNA, C. SIBILIA, M. BERTOLOTTI, R. LI VOTI, G. LEAHU, M. MCKUBRE, F. TANZELLA, K. GRABOWSKI, G. HUBLER, D. KNIES, T. ZILOV, I. DARDIK

Calorimetric results of ENEA cooperative experiments

Int. Conf. on Cold Fusion - ICCF-13

Sochi (Russia) June, 25- July 1, 2007

A. FRATTOLILLO, A. DE NINNO

A powerful tool to quantitatively detect tiny amounts of ^4He in a deuterium rich background for fusion research

22nd IEEE/NPSS Symp. on Fusion Engineering 2007 (SOFE07)

Albuquerque, NM (USA) June 17-21, 2007

F. MIRIZZI, R. MAGGIORA, L. PANACCIONE, G.L. RAVERA, A.A. TUCCILLO

Conceptual design of the ICRH and LHCD systems for FT-3

22nd IEEE/NPSS Symposium on Fusion Engineering 2007 (SOFE07)

Albuquerque, NM (USA) June, 17-21, 2007

A. FRATTOLILLO, S. MIGLIORI, F. BOMBARDA, C. S. K. COMBS, L.R. BAYLOR, C. R. FOUST, G. ROVETA

The compact, four barrel high speed pellet injector for the Ignitor experiment

22nd IEEE/NPSS Symposium on Fusion Engineering 2007 (SOFE07)

Albuquerque, NM (USA) June, 17-21, 2007

M. RIVA, B. ESPOSITO, D. MAROCCO

FPGA-based pulse-oriented digital acquisition system for nuclear detectors

22nd IEEE/NPSS Symposium on Fusion Engineering 2007 (SOFE07)

Albuquerque, NM (USA) June, 17-21, 2007

C. NERI, L. BARTOLINI, A. COLETTI, M. FERRI DE COLLIBUS, G. FORNETTI, S. LUPINI, F. POLLASTRONE, M. RIVA, L. SEMERARO

The in-vessel 3D inspection system for ITER

22nd IEEE/NPSS Symposium on Fusion Engineering 2007 (SOFE07)

Albuquerque, NM (USA) June, 17-21, 2007

M. PILLON, M. ANGELONE, S. SANDRI

Measurements of fusion neutron induced activation and decay heat in rhenium. comparison with code predictions

The Eighth Int. Topical Meeting on Nuclear Application and Utilization of Accelerator

Pocatello, ID (USA) July 31 - August 3, 2007

S. SANDRI, A. CONIGLIO, M. D'ARIENZO, L. PETRIZZI, M. PILLON, R. VILLARI

Safety analysis for the maintenance of the calorimeter of the first ITER neutral beam injector

The Eighth Int.Topical Meeting on Nuclear Application and Utilization of Accelerator

Pocatello, ID (USA) July 31 - August 3, 2007

G. MAZZITELLI, M.L. APICELLA, V.PERICOLI-RIDOLFINI, A. ALEKSEYEV, G. APRUZZESE, W. BIN, P. BURATTI, R. CESARIO, S. CIPICCIA, G. CALABRÒ, R. DE ANGELIS, L. GABELLIERI, F. GANDINI, E. GIOVANNOZZI, R. GOMES, G. GRANUCCI, B. ESPOSITO, H. KROEGLER, I. LYUBLINSKI, M. MARINUCCI, C. MAZZOTTA, A. ROMANO, O. TUDISCO, A. VERTKOV, FTU TEAM, ECRH TEAM

Experiments on FTU with a liquid lithium limiter

34th European Conf. on Plasma Physics

Warsaw (Poland) July 2-6, 2007

N.C. HAWKES, B. ESPOSITO, Y. ANDREW, T.M. BIEWER, J.,H. BRZOZOWSKI, M. BRIX, A. CARDINALI, F. CRISANTI, K. CROMBÉ, D. VAN EESTER, R. FELTON, C. GIROUD, T. JOHNSON, E. LERCHE, A. MEIGS, V. PARAIL, S. SHARAPOV, C. SOZZI, I. VOITSEKHOVITCH, K-D. ZASTROW, JET EFDA CONTRIBUTORS

Ion transport barrier formation with low injected torque in JET

Proceedings of the 34th EPS Conference on Plasma Physics

Warsaw (Poland) July 2-6 2007

F. ZONCA, L. CHEN

The general fishbone-like dispersion relation: a unified description for shear Alfvén mode excitations

Proceedings of the 34th EPS Conference on Plasma Physics

Warsaw (Poland) July 2-6 2007

C. CASTALDO, S. RATYNSKAIA, V. PERICOLI, K. RYPDAL, U. DE ANGELIS, G.E. MORFILL, L. PIERONI, G. CAPOBIANCO, M. DE ANGELI, L. GABELLIERI, E. GIOVANNOZZI, G. MADDALUNO, C. MARMOLINO, F. ORSITTO, A. ROMANO, A. RUFOLONNI, A.A. TUCCILLO

Fast dust particles in tokamak plasmas: detection and effects

Proceedings of the 34th EPS Conference on Plasma Physics

Warsaw (Poland) July 2-6 2007

R. CESARIO, M. MARINUCCI, P. SMEULDERS, R. ZAGORSKI

Low recycling operations and improved confinement in tokamaks

Proceedings of the 34th EPS Conference on Plasma Physics

Warsaw (Poland) July 2-6 2007

G.MADDALUNO, M. DI FINO, F. ORSITTO, A. RUFOLONI, M. MONTECCHI, E. NICHELATTI, E. SERRA, A. LITNOVSKY, G. SERGIENKO, G. DE TEMMERMAN, L. MAROT

Tests of rhodium-coated molybdenum firsts mirrors for ITER diagnostics

34th European Conf. on Plasma Physics

Warsaw (Poland) July 2-6, 2007

S. ROSANVALLON, O. GASTALDI, L. DI PACE, R. PAMPIN, G. MARBACH

Waste management for ITER and for fusion reactors

ITER, A Major Step Toward Nuclear Fusion Energy

Aix en Provence (France) January 22-24, 2007

D. MAISONNIER, D. CAMPBELL, I. COOK, L. DI PACE, L. GIANCARLI, J. HAYWARD, A. LI PUMA, P. NORAJITRA, P. SARDAIN, M.Q. TRAN, P. WARD

The European Fusion Reactor Activities

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Aix en Provence (France) January 22-24, 2007

A. ANGRISANI ARMENIO, A. AUGERI, G. CELENTANO, V. GALLUZZI, A. MANCINI, A. RUFOLONI, A. VANNOZZI, U. GAMBARDELLA, A. SAGGESE, P. SESSA, S. PACE

Stability measurements on YBCO coated conductor

The 20th Biennial Conference on Magnetic Technology (MT 20)

Philadelphia, PA (USA) August 27-31, 2007

U. BESI VETRELLA, A. DELLA CORTE, G. DE MARZI, A. DI ZENOBIO, L. MUZZI, L. RECCIA, S. TURTÙ, A. BALDINI, P. BRUZZONE, E. SALPIETRO, A. VOSTNER

Manufacturing of the ITER full size prototype conductor

The 20th Biennial Conference on Magnetic Technology (MT 20)

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P. BRUZZONE, M. BAGNASCO, M. CALVI, F. CAU, D. CIAZYNSKI, A. DELLA CORTE, A. DI ZENOBIO, L. MUZZI, A. NIJHUIS, E. SALPIETRO, L. SAVOLDI RICHARD, S. TURTÙ, A. VOSTNER, R. WESCHE, R. ZANINO

Test results of two european ITER TF conductor samples in SULTAN

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Philadelphia, PA (USA) August 27-31, 2007

A. DI ZENOBIO, A. DELLA CORTE, L. MUZZI, S. TURTÙ, W. BAKER, P. BAUER, A. PORTONE, E. SALPIETRO, J. AMEND, E. THEISEN

Joint design for the EDIPO

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K. KIZU, K. TSUCHIYA, K. YOSHIDA, M. EDAYA, T. ICHIGE, H. TAMAI, M. MATSUKAWA, A. DELLA CORTE, L. MUZZI, A. DI ZENOBIO, S. TURTÙ, J.L. DUCHATEAU, L. ZANI

Conductor design of CS and EF coils for JT-60SA

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K. YOSHIDA, K. KIZU, K. TSUCHIYA, H. TAMAI, M. MATSUKAWA, M. KIKUCHI, A. DELLA CORTE, L. MUZZI, S. TURTÙ, A. DI ZENOBIO, A. PIZZUTO, C. PORTAFAIX, S. NICOLLET, P. DECOOL, J.L. DUCHATEAU, L. ZANI

Conceptual design of superconducting magnet system for JT-60SA

The 20th Biennial Conference on Magnetic Technology (MT 20)

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L. ZANI, A. PIZZUTO, L. SEMERARO, D. CIAZYNSKI, A. CUCCHIARO, P. DECOOL, A. DELLA CORTE, A. DI ZENOBIO, N. DOLGETTA, J.L. DUCHATEAU, P. HERTOOUT, M. KIKUCHI, B. LACROIX, F. MOLINIE, L. MUZZI, L. PETRIZZI, C. PORTAFAIX, G. RAMOGIDA, S. ROCCELLA, B. TURCK, S. TURTÙ, J.-M. VERGER, R. VILLARI, K. YOSHIDA

A new design for JT-60SA toroidal field coils conductor and joints

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JT-60SA toroidal field magnet system

The 20th Biennial Conference on Magnetic Technology (MT 20)

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L. MUZZI, U. BESI VETRELLA, V. CORATO, A. DELLA CORTE, A. DI ZENOBIO, F. MAIERNA, A. RUFOLONI, S. TURTÙ, R. VIOLA

The role of filament twisting on the performances of Nb₃Sn strands subject to bending strain

The 20th Biennial Conference on Magnetic Technology (MT 20)

Philadelphia, PA (USA) August 27-31, 2007

A.J. KONING, A. R.A. FORREST, Y. RUGAMA, H. HENRIKSSON, O. BERSILLON, P. RULLHUSEN, A. TRKOV, C. DEAN, U. FISCHER, R. JACQMIN, H. LEEB, C. NORDBORG, A. PEARCE, M. PESCARINI, M. AVRIGEANU, V. AVRIGEANU, P. BATISTONI, E. BAUGE, M.M. BE, P. BEM, D. BERNARD, A. BIDAUD, O. BOULAND, A. COURCELLE, P. DOS-SANTOS-UZARRALDE, B. DUCHEMIN, I.DUHAMEL, M.C. DUIJVESTIJN, E. DUPONT, F. GUNSING, W. HAECK, A. HOGENBIRK, T.D. HUYNH, C. JOUANNE, M.A. KELLETT, I. KODELI, J. KOPECKY, D. LEICHTLE, J. LEPPANEN, M.J. LOPEZ JIMENEZ, M. MATTES, E. MENAPACE, R. MILLS, B. MORILLON, C. MOUNIER, A. NICHOLS, G. NOGUERE, A. NOURI, R. PEREL, P. PERESLAVTSEV, R. PERRY, M. PILLON, A. PLOMPEN, D. RIDIKAS, P. ROMAIN, C. DE SAINT JEAN, A. SANTAMARINA, E. SARTORI, K. SEIDEL, O. SEROT, S. SIMAKOV, J.C. SUBLET, S. TAGESEN, S.C. VAN DER MARCK, AND H. VONACH

The JEFF evaluated nuclear data project

2007 Int. Conf. on Nuclear Data for Science and Technology

Nizza (France) April 22-27, 2007

P. BATISTONI, L. PETRIZZI, U. FISHER, A. SERIKOV, K. SEIDEL, R. VILLARI, L. AUDITORE

Validation of FENDL-2.1 nuclear data library for use in ITER nuclear analysis

2007 Int. Conf. on Nuclear Data for Science and Technology

Nizza (France) April 22-27, 2007

U. FISCHER, P. BATISTONI, R. FORREST, C. KONNO, R.L. PEREL, K. SEIDEL, S.P. SIMAKOV

Development needs of nuclear data for fusion technology

2007 Int. Conf. on Nuclear Data for Science and Technology

Nizza (France) April 22-27, 2007

A. FRATTOLILLO, A. DE NINNO

Detection of $^4\text{He}/\text{D}_2$ peak ratios in the 10^{-7} range using a normal resolution quadrupole mass spectrometer

XVIII Congresso Nazionale sulla Scienza e Tecnologia del Vuoto

Firenze (Italia) April 2-4, 2007

2006

S. TOSTI, L. BETTINALI,

Volumes Measurement by Means of Membranes

Euromembrane 2006

Taormina (Italia) September 24-28, 2006

S. TOSTI, A. BASILE, F. BORGOGNONI, L. BETTINALI, C. RIZZELLO

Pd membrane reactor design

Euromembrane 2006

Taormina (Italia) September 24-28, 2006

V. VITALE, C. CENTIOLI, F. IANNONE, M. PANELLA, L. PANGIONE, M. SABATINI, L. ZACCARIAN, R. ZUCALÀ

A Matlab Based Framework for the Real-Time Environment at FTU

24th Symposium on Fusion Technology (SOFT)

Warsaw (Poland) September 11-15, 2006

G.L. RAVERA, C. CASTALDO, R. CESARIO, S. LUPINI, S. PODDA, G.B. RIGHETTI AND FTU TEAM

High Power RF Components for IBW Experiment on FTU

24th Symposium on Fusion Technology (SOFT)

Warsaw (Poland) September 11-15, 2006

F. MIRIZZI, PH. BIBET, G. CALABRÒ, V. PERICOLI RIDOLFINI, A.A. TUCCILLO

PAM, multijunction and conventional LHCD grills: operational experience on FTU

24th Symposium on Fusion Technology (SOFT)

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L. DI PACE, T. PINNA

Assessment of Occupational Radiation Exposure (ORE) for hands-on Assistance to the Remote Handling at ITER Ports and Waste Treatment

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Warsaw (Poland) September 11-15, 2006

C. NERI, L. BARTOLINI, M. FERRI DE COLLIBUS, G. FORNETTI, F. POLLASTRONE, M. RIVA, L. SEMERARO

The Laser in Vessel Viewing System (IVVS) for ITER: Test Results on First Wall and Divertor Samples and New Developments

24th Symposium on Fusion Technology (SOFT)

Warsaw (Poland) September 11-15, 2006

M. ANGELONE, L. PETRIZZI, M. PILLON, S. POPOVICHEV, R. VILLARI

A Dose Rate Experiment at JET for Benchmarking the Calculation Direct One Step Method

24th Symposium on Fusion Technology (SOFT)

Warsaw (Poland) September 11-15, 2006

E. VISCA, S. LIBERA, A. MANCINI, G. MAZZONE, A. PIZZUTO, C. TESTANI

Pre-Brazed Casting and Hot Radial Pressing: a Reliable Process for the Manufacturing of CFC and W Monoblock Mock-ups

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Warsaw (Poland) September 11-15, 2006

M. PILLON, M. ANGELONE, D. LATTANZI, M. MARINELLI, E. MILANI, A. TUCCIARONE, G. VERONA-RINATI, S. POPOVICHEV, R.M. MONTEREALI, M.A. VINCENTI, A. MURATI AND JET -EFDA CONTRIBUTORS

Neutron detection at JET using artificial diamond detectors

24th Symposium on Fusion Technology (SOFT)

Warsaw (Poland) September 11-15, 2006

P. BATISTONI, M. ANGELONE, L. BETTINALI, P. CARCONI, U. FISCHER, I. KODELI, D. LEICHTLE, K. OCHIAI, R. PEREL, M. PILLON, I. SCHÄFER, K. SEIDEL, Y. VERZILOV, R. VILLARI, G. ZAPPA

Neutronics experiment on a helium cooled pebble bed (HCPB) breeder blanket mock-up

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P. BATISTONI, M. ANGELONE, L. BETTINALI, P. CARCONI, U. FISCHER, I. KODELI, D. LEICHTLE, K. OCHIAI, R. PEREL, M. PILLON, I. SCHÄFER, K. SEIDEL, Y. VERZILOV, R. VILLARI, G. ZAPPA

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24th Symposium on Fusion Technology (SOFT)

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M. RIVA, B. ESPOSITO, D. MAROCCO

A New Pulse-Oriented Digital Acquisition System for Nuclear Detectors

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M. SANTINELLI, R. CLAESEN, A. COLETTI, T. BONICELLI, P.L. MONDINO, M. PRETELLI, L. RINALDI, L. SITA, G. TADDIA

Solid State Gyrotron Body Power Supply, Test Results

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Warsaw (Poland) September 11-15, 2006

A. CUCCHIARO, F. ALLADIO, A. BIANCHI, F. BOERT, B. CARMIGNANI, A. COLETTI, B. COPPI, P. FROSI, F. LUCCA, A. MARIN, G. MAZZONE, B. PARODI, G. PIZZICAROLI, A. PIZZUTO, G. RAMOGIDA, M. ROCCELLA, G. TOSELLI, H. G. WOBKER

Design Upgrading on Ignitor Machine

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V. MASSAUT, R. BESTWICK, K. BRODEN, L. DI PACE, L. OOMS, R. PAMPIN

State of the Art of Fusion Material Recycling and Remaining Issues

24th Symposium on Fusion Technology (SOFT)

Warsaw (Poland) September 11-15, 2006

R. ALBANESE, G. AMBROSINO, A. PIRONTI, G. RUBINACCI, F. VILLONE, A. COLETTI, A. CUCCHIARO, G. MADADALUNO, A. PIZZUTO, G. RAMOGIDA, M. ROCCELLA, M. SANTINELLI, F. ALLADIO, F. BOMBARDA, G. PIZZICAROLI, B. COPPI

Strategies for the plasma position and shape control in IGNITOR

24th Symposium on Fusion Technology (SOFT)

Warsaw (Poland) September 11-15, 2006

A. BERTOCCHI, M. DI DONNA, M. PANELLA, V. VITALE

The Liquid Lithium Limiter Control System on FTU

24th Symposium on Fusion Technology (SOFT)

Warsaw (Poland) September 11-15, 2006

L. PETRIZZI, R. BARNSLEY, L. BERTALOT, B. ESPOSITO, H. HASKELL, E. MAINARDI, D. MAROCCO, S. PODDA, C. WALKER, R. VILLARI

Neutronic design of the ITER radial neutron camera

24th Symposium on Fusion Technology (SOFT)

Warsaw (Poland) September 11-15, 2006

V. PERICOLI-RIDOLFINI, M. L. APICELLA, G. MAZZITELLI, O. TUDISCO, R. ZAGÓRSKI and FTU TEAM

Edge properties with the liquid lithium limiter in FTU – experiment and transport modelling

Workshop on Edge Transport in Fusion Plasmas (ETFP)

Cracovia (Poland) September 11-13, 2006

F.P. ORSITTO, J-M. NOTERDAEME, A.E. COSTLEY, A.J. DONNÉ AND ITPA TG ON DIAGNOSTICS

Requirements for fast particle measurements on ITER and candidate measurement techniques

21st IAEA Conference on Fusion Energy

Chengdu (Cina) October 16-22, 2006

L. CHEN, F. ZONCA

Theory of Alfvén waves and energetic particle physics in burning plasmas

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Chengdu (Cina) October 16-22, 2006

F. CRISANTI, A. BECOULET, P. BURATTI, E. GIOVANNOZZI, C. GORMEZANO, E. JOFFRIN, A. SIPS, C. BOURDELLE, A. CARDINALI, C. CHALLIS, N. HAWKES, J. HOBIRK, X. LITAUDON, G. REGNOLI, M. ROMANELLI, A. THYAGARAJA, A. TUCCILLO, AND JET EFDA CONTRIBUTORS

JET hybrid scenarios with improved core confinement

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L. CHEN, F. ZONCA

Nonlinear equilibria, stability and generation of zonal structures in toroidal plasmas

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G. MAZZITELLI, M.L. APICELLA, C. MAZZOTTA, V. PERICOLI RIDOLFINI, O. TUDISCO, V. LAZAREV, A. ALEKSEYEV, A. VERTKOV, R. ZAGORSKI, AND FTU TEAM

Lithium as a liquid limiter in FTU

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V. PERICOLI-RIDOLFINI, A. ALEKSEYEV, B. ANGELINI, S.V. ANNIBALDI, M.L. APICELLA, G. APRUZZESE, E. BARBATO, J. BERRINO, A. BERTOCCHI, W. BIN, F. BOMBARDA, G. BRACCO, A. BRUSCHI, P. BURATTI, G. CALABRÒ, A. CARDINALI, L. CARRARO, C. CASTALDO, C. CENTIOLI, R. CESARIO, S. CIRANT, V. COCILOVO, F. CRISANTI, G. D'ANTONA, R. DE ANGELIS, M. DE BENEDETTI, F. DE MARCO, B. ESPOSITO, D. FRIGIONE, L. GABELLIERI, F. GANDINI, E. GIOVANNOZZI, G. GRANUCCI, F. GRAVANTI, G. GROSSETTI, G. GROSSO, F. IANNONE, H. KROEGLER, V. LAZAREV, E. LAZZARO, M. LEIGHEB, L. LUBYAKO, G. MADDALUNO, M. MARINUCCI, D. MAROCCO, J.R. MARTIN-SOLIS, G. MAZZITELLI, C. MAZZOTTA, V. MELLERA, F. MIRIZZI, G. MONARI, A. MORO, V. MUZZINI, S. NOWAK, F. ORSITTO, L. PANACCIONE, M. PANELLA, L. PIERONI, S. PODDA, M. E. PUIATTI, G. RAVERA, G. REGNOLI, F. ROMANELLI, M. ROMANELLI, A. SHALASHOV, A. SIMONETTO, P. SMEULDERS, C. SOZZI, E. STERNINI, U. TARTARI, B. TILIA, A.A. TUCCILLO, O. TUDISCO, M. VALISA, A. VERTKOV, V. VITALE, G. VLAD, R. ZAGÓRSKI, F. ZONCA

Overview of the FTU results

21st IAEA Conference on Fusion Energy

Chengdu (Cina) October 16-22, 2006

G. VLAD, S. BRIGUGLIO, G. FOGACCIA, K. SHINOHARA, M. ISHIKAWA, M. TAKECHI, F. ZONCA

Particle simulation analysis of energetic-particle and Alfvén-mode dynamics in JT-60U discharges

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Chengdu (Cina) October 16-22, 2006

V. PERICOLI RIDOLFINI, P. BURATTI, G. CALABRÒ, M. DE BENEDETTI, B. ESPOSITO, L. GABELLIERI, G. GRANUCCI, M. LEIGHEB, M. MARINUCCI, D. MAROCCO, C. MAZZOTTA, F. MIRIZZI, S. NOWAK, L. PANACCIONE, G. REGNOLI, M. ROMANELLI, P. SMEULDERS, C. SOZZI, O. TUDISCO, A.A. TUCCILLO

Internal transport barriers in FTU at ITER relevant plasma density with pure electron heating and current drive

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A. CARDINALI, F. ROMANELLI

Simulation of Burning Plasma Dynamics by ICRH Accelerated Minority Ions

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Chengdu (Cina) October 16-22, 2006

F. ZONCA, P. BURATTI, A. CARDINALI, L. CHEN, J.-Q. DONG, Y.-X. LONG, A. MILOVANOV, F. ROMANELLI, P. SMEULDERS, L. WANG, Z.-T. WANG

Electron fishbones: theory and experimental evidence

21st IAEA Conference on Fusion Energy

Chengdu (Cina) October 16-22, 2006

O. TUDISCO, G. GROSSETTI, C. SOZZI

Oblique ECE diagnostic on FTU

14th Joint Workshop on "Electron Cyclotron Emission and Electron Cyclotron Resonance Heating

Santorini Island (Greece) May 9-12, 2006

G. MADDALUNO, G. GIACOMI, A. RUFOLONI, L. VERDINI

Tungsten macrobrush sample exposure in FTU tokamak

17th Conference on Plasma Surface Interactions (PSI)

Hefei Anhui (Cina) May 22-26, 2006

M.L. APICELLA, G. MAZZITELLI, V. PERICOLI RIDOLFINI, V. LAZAREV, A. ALEKSEYEV, A. VERTKOV, R. ZAGORSKI AND FTU TEAM

First Experiments with lithium limiter on FTU

17th Conference on Plasma Surface Interactions (PSI)

Hefei Anhui (Cina) May 22-26, 2006

B. ESPOSITO, M. RICCI, D. MAROCCO, Y. KASCHUCK

A Digital Acquisition and Elaboration System for Nuclear Fast Pulse Detection

X Pisa 2006 Meeting on Advanced Detectors

La Biodola, Isola d'Elba (Italia) May 21-27, 2006

V. MASSAUT, L. DI PACE, L. OOMS, K. BRODÉN, R.A. FORREST, M. ZUCCHETTI

The Role of Clearance in the Management of Future Fusion Reactor Radioactive Materials

4th Symp. Release of Radioactive Material from Regulatory Control - "Harmonisation of Clearance Levels and Release procedures"

Hamburg (Germany) March 20-22, 2006

U. DE ANGELIS, G. CAPOBIANCO, C. MARMOLINO, C. CASTALDO

Fluctuations in dusty plasmas

33rd EPS Conference on Plasma Physics

Roma (Italia) June 19-23, 2006

F. ZONCA, S. BRIGUGLIO, L. CHEN, G. FOGACCIA, T.S. HAHM, A.V. MILOVANOV, G. VLAD

Physics of Burning Plasmas in Toroidal Magnetic Confinement Devices

33rd EPS Conference on Plasma Physics

Roma (Italia) June 19-23, 2006

A. CARDINALI, B. ESPOSITO, F. RIMINI, M. BRAMBILLA, F. CRISANTI, M. DE BAAR, E. DE LA LUNA, P. DE VRIES, X. GARBERT, G. GIROUD, E. JOFFRIN, P. JOFFRIN, P. MANTICA, M. MANTSINEN, A. SALMI, C. SOZZI, D. VAN EESTER AND JET EFDA CONTRIBUTORS

Modeling and analysis of the ICRH heating experiments in JET ITB regimes

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C. CASTALDO, R. CESARIO, A. CARDINALI, M. MARINUCCI, P. MICOZZI, L. PANACCIONE, M. ANANIA, S. DI FLAURO, B. EUSEPI, L. PAJEWSKI, G. SCHETTINI, G. GIRUZZI AND THE JET EFDA CONTRIBUTORS

Modelling of Experiments with ITER-Relevant q-Profile Control at High β_N by Means of the Lower Hybrid Current Drive

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Roma (Italia) June 19-23, 2006

O. TUDISCO, C. MAZZOTTA, M.L. APICELLA, G.G. MAZZITELLI, G. MONARI, G. ROCCHI

Density profile studies of plasmas with lithium limiter

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S.V. ANNIBALDI, F. ZONCA, P. BURATTI

Excitation of beta-induced Alfvén eigenmodes in the presence of a magnetic island

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M.L. APICELLA, M. LEGHEB, M. MARINUCCI, G. MAZZITELLI, FTU TEAM, V. LAZAREV, A. ALEKSEYEV, A. VERTKOV

Energy balance of FTU discharges with lithized walls

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Roma (Italia) June 19-23, 2006

C. CASTALDO, U. DE ANGELIS, V.N. TSYTOVICH

Screening and attraction of dust particles in plasmas

33rd EPS Conference on Plasma Physics

Roma (Italia) June 19-23, 2006

G. CALABRÒ, V. PERICOLI-RIDOLFINI, L. PANACCIONE AND FTU TEAM

Effect of the scattering from edge density fluctuations on the lower hybrid waves in FTU

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M. ROMANELLI, M. LEIGHEB, L. GABELLIERI, L. CARRARO, M.E. PUIATTI, M. VALISA, M. MATTIOLI, L. LAURO-TARONI, M. DE BENEDETTI, M. MARINUCCI, C. MAZZOTTA, G. REGNOLI, P. SMEULDERS, S. NOVAK, C. SOZZI

Investigation of turbulent transport of heavy impurities in FTU electron heated plasmas

33rd EPS Conference on Plasma Physics

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M. ROMANELLI, G.T. HOANG, C. BOURDELLE, C. GORMEZANO, E. GIOVANNOZZI, M. LEIGHEB, M. MARINUCCI, D. MAROCCO, C. MAZZOTTA, L. PANACCIONE, V. PERICOLI, G. REGNOLI, O. TUDISCO, AND THE FTU TEAM

Parametric dependence of turbulent particle transport in high collisionality plasmas on the Frascati Tokamak Upgrade FTU

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B. ESPOSITO, G. GRANUCCI, S. NOWAK, P. SMEULDERS, J. BERRINO, J.R. MARTIN-SOLIS, R. SANCHEZ, L. GABELLIERI, M. LEIGHEB, F. GANDINI, D. MAROCCO, C. MAZZOTTA, O. TUDISCO

Disruption mitigation experiments in FTU using ECRH

33rd EPS Conference on Plasma Physics

Roma (Italia) June 19-23, 2006

J.R. MARTIN-SOLIS, B. ESPOSITO, R. SANCHEZ, F.M. POLI, L. PANACCIONE

Runaway current plateau formation during disruptions in the FTU Tokamak

33rd EPS Conference on Plasma Physics

Roma (Italia) June 19-23, 2006

G. FOGACCIA, S. BRIGUGLIO, M. ISHIKAWA, K. SHINOHARA, M. TAKECHI, G. VLAD, F. ZONCA

Particle simulations of energetic particle driven Alfvén modes in JT-60U

33rd EPS Conference on Plasma Physics

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E. GIOVANNOZZI, C. CASTALDO, G. MADDALUNO

Evidence of dust in FTU from Thomson scattering diagnostic measurements

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G. REGNOLI, M. ROMANELLI, C. BOURDELLE, M. DE BENEDETTI, M. MARINUCCI, V. PERICOLI, G. GRANUCCI, C. SOZZI, O. TUDISCO, E. GIOVANNOZZI, ECRH, LH AND FTU TEAM

Microstability analysis of collisional plasmas

33rd EPS Conference on Plasma Physics

Roma (Italia) June 19-23, 2006

F. ALLADIO, P. COSTA, A. MANCUSO, P. MICOZZI, R. AKERS, G. CUNNINGHAM, M. GRYAZNEVICH, M. HOOD, G. MC ARDLE, V. SHEVCHENKO, A. SYKES, F. VOLPE, A. DNESTROVSKIJ

Status and perspectives of MAST start-up in the absence of solenoid flux

33rd EPS Conference on Plasma Physics

Roma (Italia) June 19-23, 2006

T. PINNA, G. CAMBI, F. GRAVANTI

Collection and analysis of component failure data from JET systems: neutral beam injectors and power supply

8th IAEA Technical Meeting on "Fusion Power Plant Safety"

Vienna (Austria) July 10-13, 2006

A. BERTOCCHI, C. CENTIOLI, M. DI DONNA, F. IANNONE, M. PANELLA, L. PANGIONE, V. VITALE, L. ZACCARIAN

The new FTU continuous monitoring system with Mac OS X technologies

Apple WWDC06 Conference

San Francisco, CA (USA) August 7-11, 2006

A. VANNOZZI, A. AUGIERI, G. CELENTANO, F. FABBRI, V. GALLUZZI, U. GAMBARDELLA, A. MANCINI, T. PETRISOR, A. RUFOLONI

Cube-textured substrates for YBCO coated conductors: influence of initial grain size and strain conditions during tape rolling

Applied Superconductivity Conference, (ASC 2006)

Seattle, WA (USA) August 28 - September 1, 2006

V. GALLUZZI, A. AUGIERI, L. CIONTEA, G. CELENTANO, F. FABBRI, U. GAMBARDELLA, A. MANCINI, T. PETRISOR, N. POMPEO, A. RUFOLONI, E. SILVA, A. VANNOZZI,

YBa₂Cu₃O_{7-δ} films with BaZrO₃ Inclusions for strong-pinning in superconducting films on single crystal substrate

Applied Superconductivity Conference, (ASC 2006)

Seattle, WA (USA) August 28 - September 1, 2006

A. CARDINALI, L. MORINI, F. ZONCA

Analysis of the validity of the asymptotic techniques in the lower hybrid wave equation solution for reactor applications

Joint Varenna-Lausanne Intern. Workshop on Theory of Fusion Plasmas

Villa Monastero, Varenna (Italia) August 28 - September 1, 2006

G. VLAD, S. BRIGUGLIO, G. FOGACCIA, F. ZONCA

Interaction of fast particles and Alfvén modes in burning plasmas

Joint Varenna-Lausanne Intern. Workshop on Theory of Fusion Plasmas

Villa Monastero, Varenna (Italia) August 28 - September 1, 2006

D. MAROCCO, M. RIVA, B. ESPOSITO, L. BERTALOT, A. ZIMBAL

A digital data acquisition system optimized for spectrometry with liquid scintillation detectors

Int. Workshop on Fast Neutron Detectors,

Cape Town (South Africa) April 3-6, 2006

L. DI PACE, F. DACQUAIT, P. SCHINDLER, V. BLET, F. NGUYEN, Y. PHILIBERT, B. LARAT
Development of PACTITER code and its application to safety analyses of ITER primary cooling water system
European Corrosion Congress (EUROCORR) 2005
Lisbon (Portugal) September 4-8, 2005

S. SANDRI, A. CONIGLIO, M. D'ARIENZO
Radiological safety analysis for the main incidents of the ITER systems
21th IEEE/NPSS Symposium on Fusion Engineering (SOFE)
Knoxville, TN (USA) September, 26-29, 2005

S. PAPASTERGIOU, F. ALLADIO, A. CUCCHIARO, A. MANCUSO, P. MICOZZI
Progress and plans of the Proto-Sphera program
21th IEEE/NPSS Symposium on Fusion Engineering (SOFE)
Knoxville, TN (USA) September, 26-29, 2005

A. CUCCHIARO, A. BIANCHI, G. CELENTANO, C. CRESCENZI, A. COLETTI, B. COPPI, P. FROSI, L. GALBIATI, F. LUCCA, A. MARIN, G. MAZZONE, B. PARODI, A. PIZZUTO, G. RAMOGIDA, M. ROCCELLA
Ignitor Plasma Chamber, first wall and remote handling maintenance
21th IEEE/NPSS Symposium on Fusion Engineering (SOFE)
Knoxville, TN (USA) September, 26-29, 2005

F. BOMBARDA, A. CARDINALI, A. COLETTI, R. MAGGIORA, M. SASSI
ICRH system for the Ignitor experiment
21th IEEE/NPSS Symposium on Fusion Engineering (SOFE)
Knoxville, TN (USA) September, 26-29, 2005

A. COLETTI, G. ALLEGRA, CADORE, G. CANDELA, R. COLETTI, T. CONSANI, A. CUCCHIARO, P. COSTA, A. FLORIO, G. MAFFIA, R. NOVARO, G. RAMOGIDA, M. SANTINELLI, M. SFORNA, F. STARACE, L. TREVISAN
The Ignitor electrical pulsed power supply system
21th IEEE/NPSS Symposium on Fusion Engineering (SOFE)
Knoxville, TN (USA) September, 26-29, 2005

PH. BIBET, B. BEAUMONT, J.H. BELO, J.P.S. BIZARO, L. DELPECH, A. EKEDAHL, G. GRANUCCI, F. KAZARIAN, S. KUZIKOV, X. LITAUDON, J. MAILLOUX, F. MIRIZZI, V. PERICOLI, M. PROU, K. RANTAMÄKI, A.A. TUCCILLO
ITER LHCD plans and design
21th IEEE/NPSS Symposium on Fusion Engineering (SOFE)
Knoxville, TN (USA) September, 26-29, 2005

A. CUCCHIARO, A. BIANCHI, F. BOERT, G. CELENTANO, B. COPPI, C. CRESCENZI, P. FROSI, B. PARODI, A. PIZZUTO, G. RAMOGIDA, M. ROCCELLA, H.G. WOBKER
The Ignitor load assembly structural analysis and toroidal field coils
21th IEEE/NPSS Symposium on Fusion Engineering (SOFE)
Knoxville, TN (USA) September, 26-29, 2005

S. MIGLIORI, A. FRATTOLILLO, S.K. COMBS, L.R. BAYLOR, G. ROVETA, F. BOMBARDA, R. FOUST, D.T. FEHLING, J.M. MCGILL, J.B.O. CAUGHMAN, J.C. THOMAS
The compact, multiple barrel high speed pellet injector for the Ignitor experiment
21th IEEE/NPSS Symposium on Fusion Engineering (SOFE)
Knoxville, TN (USA) September, 26-29, 2005

M. PILLON, M. ANGELONE, D. LATTANZI, M. MARINELLI, E. MILANI, A. TUCCIARONE, G. VERONA-RINATI

Characterization of 14 MeV neutron detectors made with polycrystalline CVD diamond films
21st IEEE/NPSS Symposium on Fusion Engineering (SOFE)
Knoxville, TN (USA) September 26-29, 2005

C. CENTIOLI, F. IANNONE, M. PANELLA, L. PANGIONE, S. PODDA, V. VITALE, I. ZACCARIAN

Advances in the experimentation of extremum seeking techniques to maximize the RF power absorption in FTU
21st IEEE/NPSS Symposium on Fusion Engineering (SOFE)
Knoxville, TN (USA) September, 26-29, 2005

F. POLLASTRONE, C. NERI

A semiautomatic method for optical radar probe alignment
5th WSEAS Int. Conf. on Signal Processing, Computational Geometry & Artificial Vision (ISCGAV'05)
Malta September 15-17, 2005

L. DI PACE

Riciclo e smaltimento dei materiali debolmente contaminati. Aspetti radiologici e di misura
AIRP - Convegno Nazionale di Radioprotezione: Campi neutronici nella terapia medica
Catania (Italia) September, 15-17, 2005

G. CELENTANO, V. GALLUZZI, A. MANCINI, A. RUFOLONI, A. VANNOZZI, A. AUGIERI, R. PETRISOR, L. CIONTEA, U. GAMBARDELLA

YBCO coated conductors on highly textured Pd-buffered Ni-W tape
7th Europ. Conf. on Applied Superconductivity (EUCAS)
Vienna (Austria) September 12-15, 2005

A. RUFOLONI, A. AUGIERI, G. CELENTANO, V. GALLUZZI, A. MANCINI, A. VANNOZZI, T. PETRISOR, L. CIONTEA, V. BOFFA, U. GAMBARDELLA

YBa₂Cu₃O_{7-x} films prepared by TFA-MOD method for coated conductor application
7th Europ. Conf. on Applied Superconductivity (EUCAS)
Vienna (Austria) September 12-15, 2005

U. BESI VETRELLA, G. CELENTANO, U. GAMBARDELLA, A. MANCINI, A. SANTONI

Electronic structure of superconducting MgB₂ film
7th Europ. Conf. on Applied Superconductivity (EUCAS)
Vienna (Austria) September 12-15, 2005

A. DI ZENOBIO, L. MUZZI, S. TURTÙ, A. DELLA CORTE, L. VERDINI

Current (re)-distribution inside an ITER full-size conductor: a qualitative analysis
7th Europ. Conf. on Applied Superconductivity (EUCAS)
Vienna (Austria) September 12-15, 2005

S. TOSTI, A. BASILE

Pd-based membranes for idrogen production
7th Int. Conf. on Catalysis in Membrane Reactors
Cetraro, Cosenza (Italia) September 11-14, 2005

E. CASTAGNA, V. VIOLANTE, C. SIBILIA, S. PAOLONI, F. SARTO

Surface plasmons and low energy nuclear reactions triggering
11th Int.Conf. on Cold Fusion (ICCF-11)
Marseille (France) October 31-November 5, 2005

L. D'AULERIO, V. VIOLANTE, E. CASTAGNA, R. FIORE, R. DEL PRETE, L. CAPOBIANCO, F. TANZELLA, M. MCKUBRE

Thermal analysis of calorimetric systems
11th Int.Conf. on Cold Fusion (ICCF-11)
Marseille (France) October 31-November 5, 2005

- M.L. APICELLA, E. CASTAGNA, G. HUBLER, M. MCKUBRE, F. SARTO, C. SIBILIA, A. ROSADA, E. SANTORO, F. TANZELLA, V. VIOLANTE**
Progress on the study of isotopic composition in metallic thin films undergone to electrochemical loading of hydrogen
 11th Int. Conf. on Cold Fusion (ICCF-11)
 Marseille (France) October 31-November 5, 2005
- F. ALLADIO, P. COSTA, A. MANCUSO, P. MICOZZI, S. PAPASTERGIU, F. ROGIER**
Design of the Proto-Sphera experiment and of its first step (MULTI-PINCH)
 Joint Meeting of the 3rd IAEA Technical Meeting on Spherical Tori and the 11th International Workshop on Spherical Torus
 St. Petersburg (Russia) October 3-6, 2005
- V. VIOLANTE, M. BERTOLOTTI, E. CASTAGNA, I. DARDIK, S. LESIN, M. MCKUBRE, S. MORETTI, F. SARTO, C. SIBILIA, F. TANZELLA, T. ZILOV**
Progress in excess of power experiments with electrochemical loading of deuterium in palladium
 12th Int. Conf. on Condensed Matter Nuclear Science (ICCF-12)
 Yokohama (Japan) November 27 - December 2, 2005
- L. D'AULERIO, V. VIOLANTE, E. CASTAGNA, R. FIORE, R. DEL PRETE, L. CAPOBIANCO, F. TANZELLA, M. MCKUBRE**
Thermal Analysis of Calorimetric Systems
 12th Int. Conf. on Condensed Matter Nuclear Science (ICCF-12)
 Yokohama (Japan) November 27 - December 2, 2005
- B. RICCARDI, R. MONTANARI, M. CASADEI, G. COSTANZA, G. FILACCHIONI, A. MORIANI**
Optimisation and characterisation of tungsten thick coatings on Cu-Cr-Zr alloy substrates
 EMRS 2005 Spring Meeting Symposium N: Nuclear Materials & IMF 10
 Strasbourg (France) May 31 - June 3, 2005
- L. PETRIZZI, M. ANGELONE, P. BATISTONI, U. FISCHER, M. LOUGHLIN, R. VILLARI**
Benchmarking of Monte Carlo based shutdown dose rate calculations applied in fusion technology: from the past experience a future proposal for JET 2005 operation
 7th Int. Symp. on Fusion Nuclear Technology (ISFNT-7)
 Tokyo (Japan) May 22-27, 2005
- T. PINNA, J. IZQUIERDO, M.T. PORFIRI, J. DIES**
Fusion component failure rate database (ECFR-DB)
 7th Int. Symposium on Fusion Nuclear Technology (ISFNT-7)
 Tokyo (Japan) May 22-27, 2005
- M.T. PORFIRI, N. FORGIONE, S. PACI, A. RUFOLONI**
Dust mobilization experiments in the context of the fusion plants - STARDUST facility
 7th Int. Symposium on Fusion Nuclear Technology (ISFNT-7)
 Tokyo (Japan) May 22-27, 2005
- M. ANGELONE, P. BATISTONI, M. LAUBENSTEIN, L. PETRIZZI, M. PILLON**
Neutronics experiment for the validation of activation properties of DEMO materials using real DT neutron spectrum at JET
 7th Int. Symposium on Fusion Nuclear Technology (ISFNT-7)
 Tokyo (Japan) May 22-27, 2005
- P. BATISTONI, U. FISCHER, M. ANGELONI, P. BEM, I. KODELI, P. PERESLAVTSEV, L. PETRIZZI, M. PILLON, K. SEIDEL, S. P. SIMAKOV, R. VILLARI**
Neutronics design and supporting experimental activities in the EU
 7th Int. Symposium on Fusion Nuclear Technology (ISFNT-7)
 Tokyo (Japan) May 22-27, 2005

F. ZONCA, L. CHENG, Z. LIN, R.B. WHITE

Comparative studies of nonlinear ITG and ETG Dynamics

2nd IAEA Technical Meeting on the Theory of Plasma Instabilities: Transport, Stability and Their Interactions
Trieste (Italia) March 2-4, 2005

S. BRIGUGLIO, G. VLAD, G. FOGACCIA, F. ZONCA

Alfvénic instabilities driven by alpha particles in ITER scenarios

2nd IAEA Technical Meeting on the Theory of Plasma Instabilities: Transport, Stability and their Interaction
Trieste (Italia) March 2-4, 2005

C. MAZZOTTA, O. TUDISCO, A. CANTON, P. INNOCENTE, M. DE BENEDETTI, E. GIOVANNOZZI, D. MAROCCO, P. MICOZZI

Measurement of density profiles using the new infrared scanning interferometer for FTU

5th Int. Workshop and Summer School on Plasma Physics
Kudowa-Zdrój (Poland) June 6-10, 2005

J. BERRINO, C. CENTIOLI, S. CIRANT, G. GRANUCCI, F. IANNONE, S. LUPINI, M. PANELLA, E. VITALE

Real time control of the plasma instabilities in Frascati tokamak upgrade

14th IEEE-NPSS Real Time Conference 2005
Stockholm (Sweden) June 4-10, 2005

V. PERICOLI-RIDOLFINI, E. BARBATO, P. BURATTI, G. CALABRÒ, C. CASTALDO, M. DE BENEDETTI, B. ESPOSITO, L. GABELLIERI, C. GORMEZANO, G. GRANUCCI, M. LEIGHEB, M. MARINUCCI, D. MAROCCO, C. MAZZOTTA, F. MIRIZZI, S. NOWAK, L. PANACCIONE, C. REGNOLI, M. ROMANELLI, P. SMEULDERS, C. SOZZI, O. TUDISCO, A.A. TUCCILLO, B. ANGELINI, S.V. ANNIBALDI, M.L. APICELLA, G. APRUZZESE, A. BERTOCCHI, A. BRUSCHI, A. CARDINALI, L. CARRARO, C. CENTIOLI, R. CESARIO, S. CIRANT, V. COCILOVO, F. CRISANTI, R. DE ANGELIS, F. DE MARCO, D. FRIGIONE, F. GANDINI, E. GIOVANNOZZI, F. IANNONE, H. KROEGLER, E. LAZZARO, G. MADDALUNO, G. MAZZITELLI, G. MONARI, F. ORSITTO, D. PACELLA, M. PANELLA, L. PIERONI, S. PODDA, M.E. PUIATTI, G. RAVERA, G.B. RIGHETTI, F. ROMANELLI, A. SIMONETTO, E. STERNINI, B. TILIA, V. VITALE, G. VLAD, F. ZONCA

High density internal transport barriers for burning plasma operation

32nd EPS Conf. on Plasma Physics Conference
Tarragona (Spain) June 27 -July 1, 2005

A.A. TUCCILLO, E. BARBATO, Y.S. BAE, A. BECOULET, S. BERNABEI, P. BIBET, G. CALABRÒ, A. CARDINALI, C. CASTALDO, R. CESARIO, M.H. CHO, S. CIRANT, F. CRISANTI, A. EKEDAH, L.-G. ERIKSSON, D. FARINA, G. GIRUZZI, M. GONICHE, G. GRANUCCI, S. IDE, F. IMBEAUX, S. KARTTUNEN, X. LITAUDON, J. MAILLOUX, D. MAZON, F. MIRIZZI, D. MOREAU, S. NOWAK, W. NAMKUNG, L. PANACCIONE, V. PERICOLI-RIDOLFINI, Y. PEYSSON, S. PODDA, V. PETRZILKA, K. RANTAMAKI, F. SANTINI, A. SAVELIEV, M. SCHNEIDER, C. SOZZI, T. SUZUKI

Progress in LHCD: a tool for advanced regimes on ITER

32nd EPS Conf. on Plasma Physics Conference
Tarragona (Spain) June 27 - July 1, 2005

L. BERTALOT, S. CONROY, A. MURARI, M. REGINATTO, H. SCHUHMACHER, A. ZIMBAL AND JET - EFDA CONTRIBUTIONS

Neutron energy measurements of trace tritium plasmas with NE213 compact spectrometer at JET

32nd EPS Conf. on Plasma Physics Conference
Tarragona (Spain) June 27 - July 1, 2005

C. MAZZOTTA, O. TUDISCO, A. CANTON, P. INNOCENTE, E. GIOVANNOZZI, D. MAROCCO, M. DE BENEDETTI, P. MICOZZI, G. MONARI, G. ROCCHI

Study of plasma density profiles evolution using the new scanning interferometer for FTU

32nd EPS Conf. on Plasma Physics Conference
Tarragona (Spain) June 27 - July 1, 2005

F. MIRIZZI, Ph. BIBET, A.A. TUCCILLO

The PAM for JET. Preliminary design of the main microwave componets
6th Int. Workshop on Strong Microwaves in Plasmas (SMP-2005)
Nizhny Novgorod (Russia) July 25, August 1st, 2005

G.L. RAVERA, C. CASTALDO, R. CESARIO, P. PAPITTO

Coupling ion Bernstein waves to tokamak plasmas by waveguide antennas
6th Int. Workshop on Strong Microwaves in Plasmas (SMP-2005)
Nizhny Novgorod (Russia) July 25, August 1st, 2005

C. CENTIOLI, F. IANNONE, M. PANELLA, V. VITALE, J. BERRINO, S. CIRANT, G. GRANUCCI

Real-time control of magnetic islands in Frascati Tokamak Upgrade
5h IAEA Technical Meeting (IAEA-TM) on Control, Data Acquisition, and Remote Participation for Fusion Research
Budapest (Hungary) July 12-15, 2005

C. CENTIOLI, F. IANNONE, G. MAZZA M. PANELLA, L. PANGIONE, S. PODDA, A. TUCCILLO, V. VITALE, L. ZACCARIAN

An extremum seeking approach to optimize the Plasma-LH power coupling at FTU
5th IAEA Technical Meeting (IAEA-TM) on Control, Data Acquisition, and Remote Participation for Fusion Research
Budapest (Hungary) July 12-15, 2005

B. RICCARDI, E. TRENTINI, M. LABANTI. S. ROCCELLA

Characterization of commercial grade Tyranno SA/CVI-SiC composites
12th Int. Conf. on Fusion Reactor Materials (ICFRM-12)
Santa Barbara, CA (USA) December 4-9, 2005

N.P. TAYLOR, B. BRAÑAS, E. ERIKSSON, A. NATALIZIO, T. PINNA, L. RODRIGUEZ-RODRIGO, S. CIATTAGLIA, R- LÄSSER

Preliminary assessment of the safety of IFMIF
12th Int. Conf. on Fusion Reactor Materials (ICFRM-12)
Santa Barbara, CA (USA) December 4-9, 2005

R. CESARIO, C. CASTALDO

Bridging the spectral gap in lower hybrid current drive by parametric instability
16th Topical Conf. on Radio Frequency Power in Plasmas and US-Japan RF Physics Workshop: Physics of Plasmas Produced by Large and Steady State RF Power
Park City, UT (USA) April 11-13, 2005

G. CALABRÒ, V. PERICOLI-RIDOLFINI, FTU TEAM, ECRH TEAM

Statistical analysis of lower hybrid current drive efficiency on FTU
16th Topical Conf. on Radio Frequency Power in Plasmas and US-Japan RF Physics Workshop: Physics of Plasmas Produced by Large and Steady State RF Power
Park City, UT (USA) April 11-13, 2005

PH. BIBET, B. BEAUMONT, J.H. BELO, L. DELPECH, A. EKEDAHL, G. GRANUCCI, F. KAZARIAN, X. LITAUDON, J. MAILLOUX, F. MIRIZZI, V. PERICOLI, M. PROU, K. RANGAMÄKI, A. TUCCILLO

Toward a LHCD system for ITER

23rd Symp. on Fusion Technology (SOFT-23)

Venezia (Italia) September 20-24, 2004

C. CENTIOLI, F. IANNONE, M. LEDAUPHIN, M. PANELLA, L. PANGIONE, S. PODDA, V. VITALE, L. ZACCARIAN

Using real time workshop for rapid and reliable control implementation in the Frascati Tokamak Upgrade feedback control system running under RTAI-GNU/Linux

23rd Symp. on Fusion Technology (SOFT-23)

Venezia (Italia) September 20-24, 2004

C. CENTIOLI, F. IANNONE, G. MAZZA, M. PANELLA, L. PANGIONE, S. PODDA, A. TUCCILLO, V. VITALE, L. ZACCARIAN

Optimization of RF power absorption by optimization techniques using the lower hybrid current drive of FTU

23rd Symp. on Fusion Technology (SOFT-23)

Venezia (Italia) September 20-24, 2004

S. PAPASTERGIOU, F. ALLADIO, A. MANCUSO, P. MICOZZI

The proto-sphere load assembly

23rd Symp. on Fusion Technology (SOFT-23)

Venezia (Italia) September 20-24, 2004

A. PIZZUTO, P.J. KARDITSAS, C. NARDI, S. PAPASTERGIOU

HETS performances in He cooled power plant divertor

23rd Symp. on Fusion Technology (SOFT-23)

Venezia (Italia) September 20-24 2004

M. RIVA, C. NERI, F. BONACCORSO, F. MASSAIOLI

The integrated visualisation software for the ITER in vessel viewing system (IVVS)

23rd Symp. on Fusion Technology (SOFT-23)

Venezia (Italia) September 20-24, 2004

C. NERI, L. BARTOLINI, B. BRICHARD, A. COLETTI, M. FERRI DE COLLIBUS, G. FORNETTI, F. POLLASTRONE, M. RIVA, L. SEMERARO

Experimental result of the laser in vessel viewing and ranging system (IVVS) for ITER

23rd Symp. on Fusion Technology (SOFT-23)

Venezia (Italia) September 20-24, 2004

M.L. APICELLA, G. MAZZITELLI, V.B. LAZAREV, E.A. AZIZOV, S.V. MIRNOV, V.G. PETROV, V.A. EVTIKHIN, I.E. LYUBLINSKI, A.V. VERTKOV, F. LUCCA, E. DI FERDINANDO, G. MAZZONE, G. RAMOGIDA, M. ROCCELLA

Preliminary analysis on a liquid lithium limiter in capillary porous system (CPS) configuration in view of a litzation experiment on FTU Tokamak

23rd Symp. on Fusion Technology (SOFT-23)

Venezia (Italia) September 20-24, 2004

F. MIRIZZI, M.L. APICELLA, PH. BIBET, G. CALABRÒ, L. PANACCIONE, V. PERICOLI-RIDOLFINI, S. PODDA, A.A. TUCCILLO

The test of a PAM launcher on FTU: the first step toward the LHCD launcher for ITER

23rd Symp. on Fusion Technology (SOFT-23)

Venezia (Italia) September 20-24, 2004

P. ROSSI, L.F. MORESCHI, A. PIZZUTO, S. STORAI, C. SBORCHIA

Cyclic testing of shear keys for the ITER magnet system

23rd Symp. on Fusion Technology (SOFT-23)

Venezia (Italia) September 20-24, 2004

A. NATALIZIO, M.T. PORFIRI, B. PATEL

Collection and analysis of occupational radiation exposure data from the jet Tokamak

23rd Symp. on Fusion Technology (SOFT-23)

Venezia (Italia) September 20-24, 2004

C. CENTIOLI, F. IANNONE, M. PANELLA, V. VITALE, G. BRACCO, R. GUADAGNI, S. MIGLIORI, M. STEFFÈ, S. ECCHER, A. MASLENNIKOV, M. MILIOTTI, M. MOLOWNY, G. PALUMBO, M. CARBONI

Wide area data replication in an ITER-relevant data environment

23rd Symp. on Fusion Technology (SOFT-23)

Venezia (Italia) September 20-24, 2004

A. CUCCHIARO, A. BIANCHI, C. CRESCENZI, M. LINARI, F. LUCCA, A. MARIN, G. MAZZONE, B. PARODI, A. PIZZUTO, G. RAMOGIDA, M. ROCCELLA, G.P. SANGUINETTI

Ignitor plasma chamber structural design with dynamic loads due to plasma disruption event

23rd Symp. on Fusion Technology (SOFT-23)

Venezia (Italia) September 20-24, 2004

R. WESCHE, A. ANGHEL, P. BRUZZONE, P. GISLON, L. MUZZI

Analyses and implications of V-I characteristic of PF insert conductor sample

23rd Symp. on Fusion Technology (SOFT-23)

Venezia (Italia) September 20-24, 2004

A. FORMISANO, YU. ILYIN, L. MUZZI, R. MARTONE, P. GISLON, A. NIJHUIS, M. POLAK, C. SBORCHIA, B. STEPANOV

DC and transient current distribution analysis from self-field measurements on ITER PFIS conductor

23rd Symp. on Fusion Technology (SOFT-23)

Venezia (Italia) September 20-24, 2004

L. BERTALOT, J.M. ADAMS, M. ANGELONE, S. CONROY, B. ESPOSITO, Y. KASCHUCK, H. HENRIKSSON, P. LAMALLE, D. MAROCCO, A. MURARI, N. HAWKES, M. PILLON, S. POPOVICHEV, M. REGINATTO, M. RIVA, H. SCHUHMACHER, D. STORK, K.-D. ZASTROW, A. ZIMBAL AND THE JET EFDA CONTRIBUTORS

ITER relevant developments in neutron diagnostics during the JET trace tritium campaign

23rd Symp. on Fusion Technology (SOFT-23)

Venezia (Italia) September 20-24, 2004

A. BERTOCCHI, S. PODDA, V. VITALE

The new FTU continuous monitoring system

23rd Symp. on Fusion Technology (SOFT-23)

Venezia (Italia) September 20-24, 2004

P. BATISTONI, M. ANGELONE, P. CARCONI, K. OCHIAI, M. PILLON, I. SCHÄFER, Y. VERZILOV, G. ZAPPA

International comparison of measuring techniques of tritium production for fusion neutronics experiments. Status and preliminary results

23rd Symp. on Fusion Technology (SOFT-23)

Venezia (Italia) September 20-24, 2004

- T. PINNA, G. CAMBI, S. CIATTAGLIA, A. LO BUE, S. KNIPE, J. ORCHARD, R. PEARCE, U. BESSERER**
Collection and analysis of data related to fusion machines (JET and TLK) operating experience on component failure
 23rd Symp. on Fusion Technology (SOFT-23)
 Venezia (Italia) September 20-24, 2004
- T. PINNA, S. RABOIN, J. UZAN-ELBEZ, N. TAYLOR, L. SEMERARO AND EISS TEAM**
Methodology for reference accidents definition for ITER
 23rd Symp. on Fusion Technology (SOFT-23)
 Venezia (Italia) September 20-24, 2004
- A. NATALIZIO, T. PINNA, J.D. LEVINE**
TFTR occupational radiation exposure data collection and analysis
 23rd Symp. on Fusion Technology (SOFT-23)
 Venezia (Italia) September 20-24, 2004
- C. NARDI, L. BETTINALI, A. PIZZUTO**
Fibreglass unidirectional composite to be used for ITER pre-compression rings
 23rd Symp. on Fusion Technology (SOFT-23)
 Venezia (Italia) September 20-24, 2004
- G. RAMOGIDA, V. COCILOVO, A. COLETTI, A. CUCCHIARO, G. GALASSO, A. PIZZUTO, C. RITA, M. ROCCELLA, M. SANTINELLI, B. COPPI**
Optimization of the IGNITOR operating scenario at 11 MA
 23rd Symp. on Fusion Technology (SOFT-23)
 Venezia (Italia) September 20-24, 2004
- L. DI PACE, B. PATEL**
Factors affecting the inhalation dose from tritiated dust and flakes
 23rd Symp. on Fusion Technology (SOFT-23)
 Venezia (Italia) September 20-24, 2004
- E. VISCA, S. LIBERA, A. MANCINI, G. MAZZONE, A. PIZZUTO, C. TESTANI**
Hot radial pressing: an alternative technique for the manufacturing of plasma-facing components
 23rd Symp. on Fusion Technology (SOFT-23)
 Venezia (Italia) September 20-24, 2004
- V. COCILOVO, A. CUCCHIARO, G. GALASSO, A. PIZZUTO, G. RAMOGIDA, C. RITA, M. ROCCELLA, R. ROCCELLA, B. COPPI**
Optimisation of the current distribution in the Ignitor poloidal field coils and evaluation of the coils temperatures and resistance during the reference operating scenario
 23rd Symp. on Fusion Technology (SOFT-23)
 Venezia (Italia) September 20-24, 2004
- U. FISCHER, P. BATISTONI, L.V. BOCCACCINI, L. GIANCARLI, S. HERMSMEYER, Y. POITEVIN**
EU blanket design activities and neutronics support efforts
 16th Topical Meeting on Technology of Fusion Energy
 Madison, WI (USA) September 14-16, 2004
- K. OCHIAI, Y. VELZILOV, T. NISHITANI, P. BATISTONI, K. SEIDEL**
International benchmark activity of tritium measurement of blanket neutronics
 16th Topical Meeting on Technology of Fusion Energy
 Madison, WI (USA) September 14-16, 2004

B. RICCARDI, C.A. NANNETTI, A. ORTONA, M. LEUCHS, A. MUHELSTZER

Development of 2-D and 3-D Tyranno SA fibres/SiC matrix composites for fusion power reactors

5th Int. Conf. on High Temperature Ceramic Matrix composite (HTCMC-5) HTCMC-5

Seattle, WA (USA) September 12-16, 2004

M. APICELLA, E. CASTAGNA, L. CAPOBIANCO, L. D'AULERIO, G. MAZZITELLI, M. MCKUBRE, F. SARTO, C. SIBILIA, A. ROSADA, E. SANTORO, F. TANZELLA, V. VIOLANTE

Some recent results at ENEA

Proc. ICCF11

Marseille (Francia) October 31-November 5, 2004

F.H. HURD, C. SBORCHIA, E. SALPIETRO, D. DUGLUE, C. KEEFE, S. BATES, P. PESENTI, A. DELLA CORTE, P.L. BRUZZONE, M. POLAK

Design and manufacture of a full size joint sample (FSJS) for the qualification of the poloidal field (PF) insert coil

ASC - 04

Jacksonville, FL (USA) October 3-8, 2004

C. MARINUCCI, P. BRUZZONE, A. DELLA CORTE, L. SAVOLDI RICHARD, R. ZANINO

Pressure drop of the ITER PFI cable-in-conduit conductor

ASC - 04

Jacksonville, FL (USA) October 3-8, 2004

R. ZANINO, S. EGOROV, K. KIM, N. MARTOVETSKY, Y. NUNOYA, K. OKUNO, E. SALPIETRO, C. SBORCHIA, Y. TAKAHASHI, P. WENG, M. BAGNASCO, L. SAVOLDI RICHARD, M. POLAK, A. FORMISANO, E. ZAPRETILINA, A. SHIKOV, G. VEDERNIKOV, D. CIAZYNSKI, L. ZANI, L. MUZZI, R. RICCI, A. DELLA CORTE, M. SUGIMOTO, K. HAMADA, A. PORTONE, F. HURD, N. MITCHELL, A. NIJHUIS, YU. ILYIN

Preparation of the ITER poloidal field conductor insert (PFCI) test

ASC - 04

Jacksonville, FL (USA) October 3-8, 2004

P. BRUZZONE, M. BAGNASCO, D. BESSETTE, D. CIAZYNSKI, A. FORMISANO, P. GISLON, F. HURD, Y. ILYIN, R. MARTONE, N. MARTOVETSKY, L. MUZZI, A. NIJHUIS, H. RAJAINMAEKI, C. SBORCHIA, B. STEPANOV, L. VERDINI, R. WESCHE, L. ZANI, R. ZANINO, E. ZAPRETILINA

Test results of the ITER PF insert conductor short sample in SULTAN

ASC - 04

Jacksonville, FL (USA) October 3-8, 2004

YU. A. ILYIN, A. NIJHUIS, W. ABBAS, P. BRUZZONE, B. STEPANOV, P. GISLON, L. MUZZI, L. ZANI

Effect of cyclic loading and conductor layout on contact resistance of full-size ITER PFCI conductors

ASC-04

Jacksonville, FL (USA) October 3-8, 2004

A. VOSTNER, E. SALPIETRO, K.P. WEISS, W.H. FIETZ, A. DELLA CORTE, L. MUZZI

The FBI facility - A test rig for critical current measurements on CICC as a function of strain

ASC - 04

Jacksonville, FL (USA) October 3-8, 2004

R. ZANINO, M. BAGNASCO, F. BELLINA, T. BONICELLI, A. DELLA CORTE, A. DI WENOBIO, W. H. FIETZ, A. FORMISANO, R. HELLER, Y. ILIN, V. MARCHESE, R. MARTONE, L. MUZZI, A. NIHUIS, M. POLAK, P.L. RIBANI, E. SALPIETRO, L. SAVOLDI RICHARD, S. TURTU, L. VERDINI, G.R. ZAHN

Current distribution measurement on the ITER-type NbTi Bus Bar III

ASC - 04

Jacksonville, FL (USA) October 3-8, 2004

A. DELLA CORTE, L. AFFINITO, S. CHIARELLI, P. GISLON, G. MESSINA, L. MUZZI, G. PASOTTI, S. TURTÙ, M. MARIANI, A. MATRONE, S. ROSSI

Design and manufacture of a NbTi insert module relevant for the ITER PF magnets conductor

ASC - 04

Jacksonville, FL (USA) October 3-8, 2004

A. NIJHUIS, YU. ILYIN, W. ABBAS, H.H.J. TEN KATE, M.V. RICCI, A. DELLA CORTE

Impact of void fraction on mechanical properties and evolution of coupling loss in ITER Nb₃Sn conductors under cyclic loading

ASC - 04

Jacksonville, FL (USA) October 3-8, 2004

A. NIJHUIS, W.A.K. WESSEL, H.G. KNOOPERS, YU. ILYIN, A. DELLA CORTE, H.H.J. TEN KATE

Impact of stimulated compressive pre-strain in Nb₃Sn strand on the critical current measured on standard ITER barrels

ASC - 04

Jacksonville, FL (USA) October 3-8, 2004

Y. ILYIN, A. NIJHUIS, W. ABBAS, L. MUZZI

Test results of the ITER PF insert conductor short sample in SULTAN

ASC - 04

Jacksonville, FL (USA) October 3-8, 2004

C. NERI, G. BACCARELLI, S. BERTAZZONI, F. POLLASTRONE, M. SALMERI

Parallel hardware implementation of RADAR electronics equipment for a LASER inspection system

IEEE NSS

Rome (Italia) October 16-22, 2004

A.A. TUCCILLO, F. CRISANTI, X. LITAUDON, YU.F. BARANOV, A. ECOULET, M. BECOULET, L. BERTALOT, C.D. CHALLIS, R. CESARIO, M.R. DE BAAR, P.C. DE VRIES, B. ESPOSITO, D. FRIGIONE, L. GARZOTTI, E. GIOVANNOZZI, C. GIROUD, G. GORINI, C. GORMEZANO, N.C. HAWKES, J. HOBIRK, F. IMBEAUX, E. JOFFRIN, P.J. LOAS, J. MAILLOUX, P. MANTICA, M.J. MANTSINEN, D. MAZON, D. MOREAU, A. MURARI, V. PERICOLI-RIDOLFINI, F. RIMINI, A.C.C. SIPS, O. TUDISCO, D. VAN EESTER, K.-D. ZASTROW, AND JET-EFDA WORK-PROGRAMME CONTRIBUTORS

Development on JET of advanced tokamak operation for ITER

20th IAEA Fusion Energy Conference

Vilamoura (Portugal) November 1-6, 2004

G. CARUSO, H.W. BARTELS, M. ISELI, R. MEYDER, S. NORDLINDER, V. PASLER, M.T. PORFIRI

Simulation of cryogenic He spills as basis for planning of experimental campaign in the EVITA facility

20th IAEA Fusion Energy Conference

Vilamoura (Portugal) November 1-6, 2004

B. ANGELINI, S.V. ANNIBALDI, M.L. APICELLA, G. APRUZZESE, E. BARBATO, A. BERTOCCHI, F. BOMBARDA, C. BOURDELLE, A. BRUSCHI, P. BURATTI, G. CALABRÒ, A. CARDINALI, L. CARRARO, C. CASTALDO, C. CENTIOLI, R. CESARIO, S. CIRANT, V. COCILOVO, F. CRISANTI, R. DE ANGELIS, M. DE BENEDETTI, F. DE MARCO, B. ESPOSITO, D. FRIGIONE, L. GABELLIERI, F. GANDINI, L. GARZOTTI, E. GIOVANNOZZI, C. GORMEZANO, F. GRAVANTI, G. GRANUCCI, G.T. HOANG, F. IANNONE, H. KROEGLER, E. LAZZARO, M. LEIGHEB, G. MADDALUNO, G. MAFFIA, M. MARINUCCI, D. MAROCCO, J.R. MARTIN-SOLIS, F. MARTINI, M. MATTIOLI, G. MAZZITELLI, C. MAZZOTTA, F. MIRIZZI, G. MONARI, S. NOWAK, F. ORSITTO, D. PACELLA, L. PANACCIONE, M. PANELLA, P. PAPITTO, V. PERICOLI-RIDOLFINI, L. PIERONI, S. PODDA, M.E. PUIATTI, G. RAVERA, G. REGNOLI, G.B. RIGHETTI, F. ROMANELLI, M. ROMANELLI, F. SANTINI, M. SASSI, A. SAVILIEV, P. SCARIN, A. SIMONETTO, P. SMEULDERS, E. STERNINI, C. SOZZI, N. TARTONI, D. TERRANOVA, B. TILIA, A.A. TUCCILLO, O. TUDISCO, M. VALISA, V. VERSHKOV, V. VITALE, G. VLAD, F. ZONCA

Overview of the FTU results

20th IAEA Fusion Energy Conference

Vilamoura (Portugal) November 1-6, 2004

V. PERICOLI RIDOLFINI, PH. BIBET, F. MIRIZZI, M.L. APICELLA, E. BARBATO, P. BURATTI, G. CALABRÒ, A. CARDINALI, G. GRANUCCI, L. PANACCIONE, S. PODDA, C. SOZZI, A.A. TUCCILLO

LHCD and coupling experiments with an ITER-like PAM launcher on the FTU tokamak

20th IAEA Fusion Energy Conference

Vilamoura (Portugal) November 1-6, 2004

F. ZONCA, S. BRIGUGLIO, L. CHEN, G. FOGACCIA, G. VLAD

Transition from weak to strong energetic ion transport in burning plasmas

20th IAEA Fusion Energy Conference

Vilamoura (Portugal) November 1-6, 2004

Z. LIN, L. CHEN, Y. NISHIMURA, H. QU, T.S. HAHM, J. LEWANDOWSKI, G. REWOLDT, W.X. WANG, P.H. DIAMOND, C. HOLLAND, F. ZONCA, Y. LI

Electron thermal transport in tokamak: ETG or TEM turbulence?

20th IAEA Fusion Energy Conference

Vilamoura (Portugal) November 1-6, 2004

F. CRISANTI, A. BECOULET, B. ESPOSITO, C. GORMEZANO, F. RIMINI, M. BRAMBILLA, P. BURATTI, A. CARDINALI, M. DE BAAR, E. DE LA LUNA, P. DE VRIES, X. GARBET, E. GIOVANNOZZI, C. GIROUD, R. GUIRLET, E. JOFFRIN, X. LITAUDON, P. MANTICA, M. MANTSINEN, A. SALMI, C. SOZZI, D. VAN ESTER, AND EFDA-JET CONTRIBUTORS

JET RF dominated scenarios and ion ITB experiments with low external momentum input

20th IAEA Fusion Energy Conference

Vilamoura (Portugal) November 1-6, 2004

M. ROMANELLI, F. BOMBARDA, C. BOURDELLE, M. DE BENEDETTI, B. ESPOSITO, D. FRIGIONE, E. GIOVANNOZZI, G.T. HOANG, M. LEIGHEB, M. MARINUCCI, M. MAROCCO, C. MAZZOTTA, G. REGNOLI, C. SOZZI, F. ZONCA

Studies of confinement and turbulence in FTU high field high density plasmas

20th IAEA Fusion Energy Conference

Vilamoura (Portugal) November 1-6, 2004

G. VLAD, S. BRIGUGLIO, G. FOGACCIA, F. ZONCA, M. SCHNEIDER

Effects of alpha particle transport driven by Alfvénic instabilities on proposed burning plasma scenarios on ITER

20th IAEA Fusion Energy Conference

Vilamoura (Portugal) November 1-6, 2004

- P. BURATTI, P. SMEULDERS, F. ZONCA, S.V. ANNIBALDI, M. DE BENEDETTI, H. KROEGLER, G. REGNOLI, O. TUDISCO AND FTU-TEAM**
Observation of high-frequency secondary modes during strong tearing mode activity in FTU plasmas without fast ions
 20th IAEA Fusion Energy Conference
 Vilamoura (Portugal) November 1-6, 2004
- E. GIOVANNOZZI, D. FRIGIONE, L. GARZOTTI, S. MARTINI, D. TERRANOVA, O. TUDISCO, G. MONARI, C. MAZZOTTA**
Pellet ablation in FTU discharges
 20th IAEA Fusion Energy Conference
 Vilamoura (Portugal) November 1-6, 2004
- B. ESPOSITO, L. FORTUNA, A. RIZZO**
A neutral system for radiation discrimination in nuclear fusion applications
 The 2004 IEEE International Symposium on Circuits and Systems
 Vancouver (Canada) May 23-26, 2004
- V. VIOLANTE, S. TOSTI, A. BASILE, E. DRIOLI, F. GALLUCCI, Z. DEL PRETE, A. PARMALIANA**
A joint research work on hydrogen as clean energy vector
 H2-age: When, Where, Why
 Pisa (Italia) May 16-19, 2004
- A. DELLA CORTE, L. AFFINITO, S. CHIARELLI, P. GISLON, G. MESSINA, L. MUZZI, G. PASOTTI, S. TURTÙ, M. MARIANI, A. MATRONE, S. ROSSI**
Design and manufacture of a NbTi insert module relevant for the ITER PF magnets conductor
 Inter. Cryogenic Engineering Conference - ICEC20
 Beijing (Cina) May 11-14 2004
- G. CELENTANO, A. DELLA CORTE, A. DI ZENOBIO, V. GALLUZZI, P. GISLON, A. MANCINI, L. MUZZI, A. RUFOLONI, S. TURTÙ, A. VANNOZZI**
The activities of ENEA on SC developments
 Workshop WAMS
 Archamps (Francia) March 23, 2004
- V. PERICOLI RIDOLFINI, M.L. APICELLA, E. BARBATO, PH. BIBET, P. BURATTI, G. CALABRÒ, A. CARDINALI, G. GRANUCCI, F. MIRIZZI, L. PANACCIONE, S. PODDA, C. SOZZI, A.A. TUCCILLO**
Experimental test of an ITER-like Passive Active Multijunction Lower Hybrid RF launcher on the FTU tokamak
 31st EPS Conference on Plasma Physics
 London (Inghilterra) June 28 - July 23, 2004
- F. BOMBARDA, B. COPPI, P. DETRAGIACHE, B. ESPOSITO, M. MARINUCCI, M. ROMANELLI**
Transport in high density igniting plasmas
 31st EPS Conference on Plasma Physics
 London (Inghilterra) June 28 - July 23, 2004
- P. BURATTI, B. ALPER, A. BECOULET, P. BELO, C. GORMEZANO, P. SMEULDERS AND EFDA-JET CONTRIBUTORS**
Observation of slow sawtooth reconnection in JET low-shear discharges
 31st EPS Conference on Plasma Physics
 London (Inghilterra) June 28 - July 23, 2004
- M. DE BENEDETTI, C. CASTALDO, R. CESARIO, M. MARINUCCI AND THE FTU TEAM**
Turbulence behaviour in ion Bernstein wave heated discharges on FTU
 31st EPS Conference on Plasma Physics
 London (Inghilterra) June 28 - July 23, 2004

M. DE BENEDETTI AND JET EFDA CONTRIBUTORS

Observation of an intermediate rotation regime on JET

31st EPS Conference on Plasma Physics

London (Inghilterra) June 28 - July 23, 2004

C. GORMEZANO, A. BECOULET, P. BURATTI, L. CARRARO, F. CRISANTI, B. ESPOSITO, G. GIRUZZI, R. GUIRLET, G.T. HOANG, E. JOFFRIN, X. LITAUDON, T. LUCE, V. PERICOLI-RIDOLFINI, O. SAUTER, A.C.C. SIPS, A. TUCCILLO, AND THE JET EFDA CONTRIBUTORS

Hybrid advanced scenarios: perspectives for ITER and new experiments with dominant RF heating

31st EPS Conf: on Plasma Physics

London (Inghilterra) June 28 July 2, 2004

X. GARBET, P. MANTICA, C. ANGIANI, E. ASP, Y. BARANOV, C. BOURDELLE, R. BUDNY, F. CRISANTI, G. CORDEY, L. GARZOTTI, N. KIRNEVA, D. HOGWEIJ, T. HOANG, F. IMBEAUX, E. JOFFRIN, X. LITAUDON, A. MANINI, D.C. MCDONALD, H. NORDMAN, V. PARAIL, A. PEETERS, F. RYTER, C. SOZZI, M. VALOVIC, T. TALA, A. THYAGARAJA, I. VOITSEKHOVITCH, J. WEILAND, H. WEISEN, A. ZABOLOTSKY AND THE JET EFDA CONTRIBUTORS

Physics of transport in tokamaks

31st EPS Conf: on Plasma Physics

London (Inghilterra) June 28 July 2, 2004

M. ANGELONE, M. MARINELLI, E. MILANI, A. TUCCARONE, M. PILLON, G. PUCCELLA, G. VERONA-RINATI

Neutron detection and dosimetry using polycrystalline CVD diamond detectors with high collection efficiency

14th Conf: SSD

New Haven, CT (USA) June 27-July 3, 2004

B. RICCARDI, M. LABANTI, E. TRENTINI, S. ROCCELLA, E. VISCA

Mechanical characterisation of commercial grade SiC_p/SiC composites

6th IEA Int. Workshop on SiC/SiC Ceramic Composites for Fusion Applications

Boston, MA (USA) June 10-11, 2004

B. RICCARDI, C.A. NANNETTI, D. DE PINTO, A. OTRONA

Latest results on the development of 2-D and 3-D tyranno SA fibres/SiC matrix composites in EU

6th IEA Int. Workshop on SiC/SiC Ceramic Composites for Fusion Applications

Boston, MA (USA) June 10-11, 2004

A. VANNOZZI, A. RUFOLONI, G. CELENTANO, V. GALLUZZI, A. MANCINI. T. PETRISOR, E. VARESI

Texture evolution and stability of Ni-W substrates for YBCO coated conductors

Spectroscopy on Novel Superconductors - SNS 2004

Sitges, Barcellona (Spagna) July 11-16, 2004

L. CHEN, F. ZONCA, Z. LIN

Nonlinear toroidal mode coupling: a new paradigm for drift wave turbulence in toroidal plasmas

Joint Varenna-Lausanne Intern. Workshop on Theory of Fusion Plasmas

Villa Monastero, Varenna (Italia) August 30, September 3, 2004

F. ZONCA, L. CHEN, F.B. WHITE

Multiple space-time structures of ion temperature gradient driven turbulence

Joint Varenna-Lausanne Intern. Workshop on Theory of Fusion Plasmas

Villa Monastero, Varenna (Italia) August 30 - September 3, 2004

S.V. ANNIBALDI, P. BURATTI, E. GIOVANNOZZI, F. ZONCA

m=1 magnetic island geometry

Joint Varenna-Lausanne Intern. Workshop on Theory of Fusion Plasmas

Villa Monastero, Varenna (Italia) August 30 - September 3, 2004

B. ESPOSITO, Y. KASCHUCK, L. BERTALOT, A. ZIMBAL, M. REGINATTO, D. MAROCCO, M. RIVA, D. SKOPINTSEV, J.M. ADAMS, A. MURARI, H. SCHUHMACHER AND CONTRIBUTORS TO THE EFDA-JET WORKPROGRAM

Neutron measurements on Joint European Torus using an NE213 scintillator with digital pulse shape discrimination

15th Topical Conf. on High-Temperature Plasma Diagnostics

San Diego, CA (USA) April 19-22, 2004

R. DE ANGELIS, S. MIGLIORI, S. BORIONI, G. BRACCO, S. PIERATTINI, A. PEROZZIELLO

Analysis of images from videocameras in the FTU Tokamak

15th Topical Conf. on High-Temperature Plasma Diagnostics

San Diego, CA (USA) April 19-22, 2004

2003

M. ANGELONE, M. MARINELLI, E. MILANI, A. PAOLETTI, A. TUCCIARONE, M. PILLON, G. PUCELLA, G. VERONA-RINATI

Development and application of CVD diamond detectors to 14 MeV neutron flux monitoring

9th Int. Symp. on Neutron Dosimetry (NEUDOS-9)

Delft (Olanda) September, 28-October 3, 2003

M. CIOTTI, V. NARDELLI, M.A. CAPONERO, F. FELLI, C. LUPI, L. IPPOLITI

An optical system for cryogenic temperature measurements

Int. Cryogenic Materials Conference

Anchorage, AK (USA) September 22-26, 2003

L. PETRIZZI, P. BATISTONI, Y. CHEN, U. FISCHER, M. LOUGHLIN, S. MIGLIORI, P. PERESLAVTSEV, A. SECCO

Two computational approaches for monte carlo based shutdown dose rate calculation with applications to the jet fusion machine

Int. Conf. on Supercomputing in Nuclear Applications (SNA 2003)

Paris (Francia) September, 22-24, 2003

L. DI PACE, A. NATALIZIO

A radio toxicity index for fusion waste

9th Int. Conf. Radioactive Waste Management and Environmental Remediation (ICEM)

Oxford (Inghilterra) September 21-25, 2003

M. RICCI, J.L. DUCHATEAU, S. NICOLLET, S. PARK, P. HERTOUT, V. MARCHESE, A. ULBRICHT

Modelling and measurement of electromagnetic losses in ITER TF model coil

6th Europ. Conf. on Applied Superconductivity (EUCAS 2003)

Sorrento (Italia) September, 14-18, 2003

L. MUZZI, P. GISLON, M. SPADONI, S. TURTÙ

AC losses in a NbTi conductor submitted to high field variation rates

6th Europ. Conf. on Applied Superconductivity (EUCAS 2003)

Sorrento (Italia) September, 14-18, 2003

P. GISLON, M. CIOTTI, M. SPADONI, D. CIAZYNSKI, L. ZANI, B. STEPANOV

ITER poloidal field-full size joint sample: DC test results

6th Europ. Conf. on Applied Superconductivity (EUCAS 2003)

Sorrento (Italia) September, 14-18, 2003

S. BRIGUGLIO, B. DI MARTINO, G. FOGACCIA, G. VLAD

Hierarchical MPI+OpenMP implementation of parallel PIC applications on clusters of Symmetric MultiProcessors

10th Euro PVM/MPI 2003

Venezia (Italia) Sept. 29-Oct. 2, 2003

G. VLAD, S. BRIGUGLIO, G. FOGACCIA, F. ZONCA

Consistency of proposed burning plasma scenarios with alpha particle transport induced by Alfvénic instabilities

8th IAEA Technical Meeting on Energetic Particles in Magnetic Confinement Systems

San Diego, CA (USA) October, 6-8, 2003

F. ZONCA, R.B. WHITE, L. CHEN

Non-linear paradigm for drift wave - zonal flow interplay: coherence, chaos and turbulence

APS - DPP Meeting

Albuquerque, NM (USA) October 27-31, 2003

S. BRIGUGLIO, G. FOGACCIA, G. VLAD, B. DI MARTINO

MPI+ OpenMP implementation of memory-saving parallel PIC applications on hierarchical distributed-shared memory architectures

The 2003 European Simulation and Modelling Conference (ESMC)

Napoli (Italia) October 27-29, 2003

M. PILLON, M. ANGELONE, R.A. FORREST

Measurements of fusion neutron induced decay heat in materials and comparison with code predictions

Int. Symp. on Radiation Physics (ISRP-9) and Workshop on Radiation-Based Analytical Techniques

Cape Town (Sud Africa) October, 24-31, 2003

R. ZANINO, M. BAGNASCO, G. DITTRICH, W.H. FIETW, H. FILLUNGER, D.P. HAMPSHIRE, R. HELLER, P. KOMAREK, O. LANGHNS, R. MAIX, V. MARCHESE, N. MARTOVETSKY, N. MITCHELL, A. NIJHUIS, S. RAFF, M. RICCI, M. SUESSER, E. SALPIETRO, L. SAVOLDI RICHARD, D.M. J. TAYLOR, A. ULBRICHT, A. VOSTNER, F. ZUECHNER, G. ZAHN

Tcs tests and performance assessment of the ITER toroidal field model coil (phase II)

Int. Conf. on Magnetic Technology - MT18

Morioka (Giappone) October 20-24, 2003

F. MIRIZZI, PH. BIBET, S. KUZIKOV, C. PORTAFAIX

Recent Advancements in the design of the LHCD system for ITER

20th IEEE/NPSS Symp. on Fusion Engineering 2003

San Diego, CA (USA) October, 14-17, 2003

F. MIRIZZI, PH. BIBET, M.L. APICELLA, G. GRANUCCI, L. PANACCIONE, V. PERICOLI-RIDOLFINI, S. PODDA, G.B. RIGHETTI, A.A. TUCCILLO

Experiment with the Pam launcher for FTU

20th IEEE/NPSS Symp. on Fusion Engineering 2003

San Diego, CA (USA) October, 14-17, 2003

A. BIANCHI, A. CAPRICCIOLI, G. CELENTANO, C. CRESCENTI, A. CUCCHIARO, P. FROSI, M. LINARI, F. LUCCA, A. MARIN, G. MAZZONE, B. PARODI, A. PIZZUTO, G. ZANOTELLI, G. RAMOGIDA, M. ROCCELLA, G.P. SANGUINETTI

Design of plasma chamber for ignitor tokamak

20th IEEE/NPSS Symp. on Fusion Engineering 2003

San Diego, CA (USA) October, 14-17, 2003

G. MAZZONE, F. LUCCA, E. MAINARDI, A. MARIN, M. MEROLA, L. PETRIZZI, A. PIZZUTO, M. ROCCELLA, G. ZANOTELLI

Design modification of plasma facing component and cassette body for ITER divertor

20th IEEE/NPSS Symp. on Fusion Engineering 2003

San Diego, CA (USA) October, 14-17, 2003

A. CAPRICCIOLI, L. CORNAGGIA, P. FROSI, A. PIZZUTO

Ignitor double-null configuration: electromagnetic, thermal and structural analysis with integrated FEM models
20th IEEE/NPSS Symp. on Fusion Engineering 2003
San Diego, CA (USA) October, 14-17, 2003

C. GORMEZANO

RF heating and current drive for burning plasma experiments
20th Symposium on Fusion Engineering (SOFE2003)
San Francisco, Lake Tahoe, CA (USA) October 14-17, 2003

S. VITULLI, M.L. APICELLA, L. RAPEZZI, M. SAMUELLI

Ion implantation on Nickel targets by means of a repetitive plasma focus device
1st Cairo Conf. on Plasma Physics & Applications
Cairo (Egypt) October 11-15, 2003

B. ESPOSITO, Y. KASCHUCK, A. RIZZO, L. BERTALOT, A. PENZA

Digital pulse shape discrimination in organic scintillators for fusion applications
9th Pisa Meeting on Advanced Detectors
La Biodola, Isola d'Elba (Italia) May 25-31, 2003

A. AUGIERI, T. PETRISOR, G. CELENTANO, L. CIONTEA, V. GALLUZZI, U. GAMBARDELLA, A. MANCINI, A. RUFOLONI

Effect of Ca doping in YBCO superconducting thin films
ICMC - Topics I-V characteristics
Twente (Olanda) May 25-30, 2003

D. CIAZYNSKI, M. CIOTTI, P. GISLON, P.L. RIBANI, L. ZANI, P. LIBEYRE, M. SPADONI

Electrical characteristics for full size NbTi cable in conduit conductor
ICMC - Topics I-V characteristics
Twente (Olanda) May 25-28, 2003

S. PAPASTERGIOU

Introduction to the physics and technology of JET-ITER and their relevance
2nd Postgraduate Summer School on Nuclear Fusion
Volos (Grecia) May, 2003

C. CENTIOLI, F. IANNONE, G. MAZZA, M. PANELLA, L. PANGIONE, V. VITALE, L. ZACCARIAN

Open source real time operating systems for plasma control on FTU
13th IEEE NPSS Real Time Conference
Montreal, QC (Canada) May, 19-24, 2003

R. CESARIO, A. CARDINALI, C. CASTALDO, M. MARINUCCI, G. RAVERA, S. BERNABEI, E. GIOVANNOZZI, M. LEIGHEB, V. PERICOLI-RIDOLFINI, F. ZONCA, G. APRUZZESE, M. BORRA, R. DE ANGELIS, E. GIOVANNOZZI, L. GABELLIERI, H. KROEGLER, M. LEIGHEB, G. MAZZITELLI, P. MICOZZI, L. PANACCIONE, P. PAPITTO, B. ANGELINI, M. L. APICELLA, E. BARBATO, L. BERTALOT, A. BERTOCCHI, G. BUCETI, C. CENTIOLI, V. COCILOVO, F. CRISANTI, F. DE MARCO, B. ESPOSITO, G. GATTI, C. GORMEZANO, M. GROLLI, F. IANNONE, G. MADDALUNO, G. MONARI, P. ORSITTO, D. PACELLA, M. PANELLA, L. PIERONI, G.B. RIGHETTI, F. ROMANELLI, E. STERNINI, N. TARTONI, A.A. TUCCILLO, O. TUDISCO, V. VITALE, G. VLAD, M. ZERBINI

Local improvement confinement in the ion Bernstein (IBW) experiment on FTU (Frascati Tokamak Upgrade)
15th Topical Conf. on Radio Frequency Power in Plasmas
Madison, WI (USA) May 19-21, 2003

R. CESARIO, A. CARDINALI, C. CASTALDO, F. PAOLETTI, C. CHALLIS, N. C. HAWKES, D. MAZON, J. MAILLOUX, F. SANTINI, AND CONTRIBUTORS TO THE EFDA-JET WORKPROGRAMME

Modeling of lower-hybrid current drive, parametric instability and q-profile for Internal Transport Barriers (ITBs) in JET

15th Topical Conf. on Radio Frequency Power in Plasmas

Madison, WI (USA) May 19-21, 2003

M. MCKUBRE, F. TANZELLA, V. VIOLANTE

Mass spectrometric measurements of fusion products: ^3H , ^3He and ^4He

2003 ANS Annual Meeting: Operations & Power Division

San Diego, CA (USA) June 1-6, 2003

D. FRIGIONE, C. CHALLIS, M. DE BAAR, C. BOURDELLE, F. CRISANTI, R. DE ANGELIS, P. DE VRIES, N. ESPOSITO, L. GARZOTTI, E. GIOVANNOZZI AND EFDA-JET CONTRIBUTORS

Pellet fuelled high density ITBs at JET

30th EPS Conf. on Controlled Fusion and Plasma Physics

St. Petersburg (Russia) July 7-11, 2003

G. MADDALUNO, V. GRECO

Refractive endoscope for wide-angle thermography on JET

30th EPS Conf. on Controlled Fusion and Plasma Physics

St. Petersburg (Russia) July 7-11, 2003

R. CESARIO, A. CARDINALI, C. CASTALDO, M. MARINUCCI, G. RAVERA, E. GIOVANNOZZI, M. LEIGHEB, V. PERICOLI-RIDOLFINI, F. ZONCA, G. APRUZZESE, R. DE ANGELIS, E. GIOVANNOZZI, L. GABELLIERI, H. KROEGLER, M. LEIGHEB, G. MAZZITELLI, P. MICOZZI, L. PANACCIONE, P. PAPITTO, B. ANGELINI, M.L. APICELLA, E. BARBATO, L. BERTALOT, A. BERTOCCHI, G. BUCETI, C. CENTIOLI, V. COCILOVO, F. CRISANTI, F. DE MARCO, B. ESPOSITO, G. GATTI, C. GORMEZANO, M. GROLLI, F. IANNONE, G. MADDALUNO, G. MONARI, P. ORSITTO, D. PACELLA, M. PANELLA, L. PIERONI, S. PODDA, GB. RIGHETTI, F. ROMANELLI, E. STERNINI, N. TARTONI, A.A. TUCCILLO, O. TUDISCO, V. VITALE, G. VLAD, M. ZERBINI

Local improvement confinement in the ion Bernstein (IBW) experiment on FTU (Frascati Tokamak Upgrade)

30th EPS Conf. on Controlled Fusion and Plasma Physics

St. Petersburg (Russia) July 7-11, 2003

P. BURATTI, E. GIOVANNOZZI

Fast magnetic reconnection and Tokamak sawtooth collapses

30th EPS Conf. on Controlled Fusion and Plasma Physics

St. Petersburg (Russia) July 7-11, 2003

S. BRIGUGLIO, G. G. FOGACCIA, G. VLAD, F. ZONCA

Consistency of proposed burning plasma scenarios with alpha particle transport induced by Alfvénic instabilities

30th EPS Conf. on Controlled Fusion and Plasma Physics

St. Petersburg (Russia) July 7-11, 2003

V. PERICOLI-RIDOLFINI, E. JOFFRIN, R. NEU, M. DEBAAR, T. BOLZONELLA, J. BRZOZOWSKI, V. COCILOVO, E. DE LA LUNA, R. GIANNELLA, C. GIROUD, M.F.F. NAVE, L. ZABEO AND THE EFDA JET CONTRIBUTORS

Progress towards long lasting steady internal transport barriers at JET

30th EPS Conf. on Controlled Fusion and Plasma Physics

St. Petersburg (Russia) July 7-11, 2003

M. ROMANELLI, B. ESPOSITO, M. MARINUCCI, E. GIOVANNOZZI, M. LEIGHEB, G. MONARI, S. NOWAK, C. SOZZI, O. TUDISCO, R. CESARIO, D. FRIGIONE, C. GOMERZANO, G. GRANUCCI, L. PANACCIONE, V. PERICOLI-RIDOLFINI, L. PIERONI

Plasma energy confinement in advanced scenarios on FTU

30th EPS Conf. on Controlled Fusion and Plasma Physics

St. Petersburg (Russia) July 7-11, 2003

C. GOMERZANO, V. PERICOLI-RIDOLFINI, E. BARBATO, B. ESPOSITO, E. GIOVANNOZZI, M. MARINUCCI, F. MIRIZZI, L. PANACCIONE, S. PODDA, M. ROMANELLI, F. ZONCA, M.L. APICELLA, P. BURATTI, A. CARDINALI, G. GRANUCCI, M. LEIGHEB, F. ROMANELLI, P. SMEULDERS, O. TUDISCO

High density electron transport barriers in the FTU Tokamak

30th EPS Conf. on Controlled Fusion and Plasma Physics

St. Petersburg (Russia) July 7-11, 2003

F. CRISANTI, D. MAZON, X. LITAUDON, D. MOREAU, E. BARBATO, P. DEVRIES, R. FELTON, E. JOFFRIN, L. LABORDE, M. LENNHOLM, A. MURARI, M. RIVA, T. TALA, L. ZABEO AND CONTRIBUTORS TO THE EFDA-JET WORKPROGRAMME

Active control of the plasma current profile on JET experiments

30th EPS Conf. on Controlled Fusion and Plasma Physics

St. Petersburg (Russia) July 7-11, 2003

V.K. GUSEV, F. ALLADIO, A.W. MORRIS

Basic of spherical tokamaks and progress in european research

30th EPS Conf. on Controlled Fusion and Plasma Physics

St. Petersburg (Russia) July 7-11, 2003

G. REGNOLI, H. BERGSAKER, E. TENNFORS, F. ZONCA, E. MARTINES, M. SPOLAORE, N. VIANELLO, G. SERIANNI, M. CECCONELLO, J-A. MALMBERG, V. ANTONI

Observations of toroidicity-induced Alfvén eigenmodes (TAE) in a RFP plasma

30th EPS Conf. on Controlled Fusion and Plasma Physics

St. Petersburg (Russia) July 7-11, 2003

A. BERTOCCHI, S. PODDA, V. VITALE, G. BUCETI, D. DI MUZIO

Fieldbus for next generation of fusion devices

7th World Multiconference on Systemics, Cybernetics and Informatics (SCI 2003)

Orlando, FL (USA) July 27-30, 2003

C. CENTIOLI, S. ECCHER, F. IANNONE, A. MASLENNIKOV, M. PANELLA, V. VITALE

Commodity hardware and open source solutions in FTU data management

4th IAEA Technical Meeting (TCM) on Control, Data Acquisition and Remote Participation for Fusion Research

San Diego, CA (USA) July 21-23, 2003

V. VITALE, C. CENTIOLI, F. IANNONE, G. MAZZA, M. PANELLA, L. PANGIONE, S. PODDA, L. ZACCARIAN

Real-time Linux operating system for plasma control on FTU: implementation advantages and first experimental results

4th IAEA Technical Meeting (TCM) on Control, Data Acquisition and Remote Participation for Fusion Research

San Diego, CA (USA) July 21-23, 2003

L. WANG, C. CENTIOLI, F. IANNONE, M. PANELLA, G. MAZZA, V. VITALE

Compact PCI/Linux platform for medium level control system on FTU

4th IAEA Technical Meeting (TCM) on Control, Data Acquisition and Remote Participation for Fusion Research

San Diego, CA (USA) July 21-23, 2003

HIROO NAKAMURA, B. RICCARDI, N. LOGINOV, K. ARA, L. BURGAZZI, S. CEVOLANI, G. DELL'ORCO, C. FAZIO, D. GIUSTI, H. HORIIKE, M. IDA, H. ISE, H. KAKUI, H. MATSUI, G. MICCICHE, T. MUROGA, HIDEO NAKAMURA, K. SHIMIZU, M. SUGIMOTO, A. SUZUKI, H. TAKEUCHI, S. TANAKA, T. YONEOKA

Present status of the liquid lithium target facility in the international fusion materials irradiation facility (IFMIF)

11th Int. Conf. on Fusion Reactor Materials (ICFRM-11)
Kyoto (Japan) December 7-12, 2003

B. RICCARDI, L. GIANCARLI, A. HASEGAWA, Y. KATOH, A. KOHHYAMA, R.H. JONES, L.L. SNEAD

Issues and advances in SiC_f/SiC composites development for fusion reactors

11th Int. Conf. on Fusion Reactor Materials (ICFRM-11)
Kyoto (Japan) December 7-12, 2003

B. RICCARDI, C.A. NANNETTI, T. PETRISOR, J. WOLTERS DORF, E. PIPPEL, S. LIBERA, L. PILLONI

Issues of low activation brazing of SiC_f/SiC composites by using alloys without free silicon

11th Int. Conf. on Fusion Reactor Materials (ICFRM-11)
Kyoto (Japan) December 7-12, 2003

R. MONTANARI, G. FILACCHIONI, B. RICCARDI, M.E. TATA, G. COSTANZA

Characterization of Eurofer-97 TIG-Welded joints by FIMEC indentation tests

11th Int. Conf. on Fusion Reactor Materials (ICFRM-11)
Kyoto (Japan) December 7-12, 2003

P. BATISTONI, M. ANGELONE, L. PETRIZZI, M. PILLON

Neutronics benchmark experiment on tungsten

11th Int. Conf. on Fusion Reactor Materials (ICFRM-11)
Kyoto (Japan) December 7-12, 2003

C. NANNETTI, B. RICCARDI, D. DE PINTO, A. ORTONA, A. PIZZUTO

2-D and 3-D Tyranno SA fibres/SiC matrix composites manufactured by a hybrid CVI - slurry filtration-PIP route

11th Int. Conf. on Fusion Reactor Materials
Kyoto (Japan) December 7-12, 2003

M. ROEDIG, W. KUEHNLEIN, J. LINKE, D. PITZER, M. MEROLA, E. RIGAL, B. SCHEDLER, E. VISCA

Post irradiation testing of samples from the irradiation experiments PARIDE 3 and PARIDE 4

11th Int. Conf. on Fusion Reactor Materials (ICFRM-11)
Kyoto (Japan) December 7-12, 2003

A. DE NINNO, A. FRATTOLILLO, A. RIZZO

⁴He detection in a cold fusion experiment

Tenth Int. Conf. on Cold Fusion (ICCF-10)
Boston, MA (USA) August 24-29, 2003

E. DEL GIUDICE, A. DE NINNO, A. FRATTOLILLO

Are nuclear transmutations observed at low energies consequences of QED coherence?

Tenth Int. Conf. on Cold Fusion (ICCF-10)
Boston, MA (USA) August 24-29, 2003

V. VIOLANTE, F. SARTO, E. SANTORO, L. CAPOBIANCO, M. MCKUBRE, F. TANZELLA, G.H. MILEY, N. LUO, P.J. SHRESTHA, C. SIBILIA

Study of lattice potentials on low energy nuclear processes in condensed matter

Tenth Int. Conf. on Cold Fusion (ICCF-10)
Boston, MA (USA) August 24-23, 2003

V. VIOLANTE, M. APICELLA, F. SARTO, A. ROSADA, E. SANTORO, L. CAPOBIANCO, M. MCKUBRE, F. TANZELLA, C. SIBILIA

Search for nuclear ashes in electrochemical experiments

Tenth Int. Conf. on Cold Fusion (ICCF-10)

Boston, MA (USA) August 24-23, 2003

V. VIOLANTE, C. SIBILIA, S. PAOLONI, E. CASTAGNA, F. SARTO

Analysis of Ni-hydride thin film after surface plasmons generation by laser technique

Tenth Int. Conf. on Cold Fusion (ICCF-10)

Boston, MA (USA) August 24-23, 2003

2002

Ph. BIBET, A. MARRA, F. MIRIZZI, P. PETROLINI, A.A. TUCCILLO

The PAM launcher for FTU: Results of the preliminary tests

22nd Symposium on Fusion Technology

Helsinki (Finland) September 9-13, 2002

Ph. BIBET, F. MIRIZZI, S. KUZIKOV

The main microwave components of the LHCD system for ITER

22nd Symposium on Fusion Technology

Helsinki (Finland) September 9-13, 2002

R. ALBANESE, G. AMBROSINO, M. ARIOLA, G. CALABRO', V. COCILOVO, F. CRISANTI, A. PIRONTI, F. VILLONE

Plasma modeling for position and current control in FTU

22nd Symposium on Fusion Technology

Helsinki (Finland) September 9-13, 2002

Y. CHEN, U. FISHER, I. KODELI, R.L. PEREL, M. ANGELONE, P. BATISTONI, L. PETRIZZI, M. PILLON, K. SEIDEL, S. UNHOLZER

Sensitivity and uncertainty analyses of 14 MeV neutron benchmark experiment on silicon carbide

22nd Symposium on Fusion Technology (SOFT)

Helsinki (Finland) September 9-13, 2002

A. PAUL, L.C. ALVES, E. ALVES, B. RICCARDI

Structural characterisation of SiC/SiC_f composites exposed to chemical interaction with Be at high temperature

22nd Symposium on Fusion Technology (SOFT)

Helsinki (Finland) September 9-13, 2002

G. CAMBI, L. DI PACE, D.G. CEPRAGA, M. FRISONI, A. CHIASERA, M. ZUCCHETTI, R. FORREST

Materials optimisation for fusion power plants waste management from neutronics and activation assessment

22nd Symposium on Fusion Technology (SOFT)

Helsinki (Finland) September 9-13, 2002

A. COLETTI, L. BARTOLINI, M. FERRI DE COLLIBUS, G. FORNETTI, A. LO BUE, S. LUPINI, C. NERI, F. POLLASTRONE, L. SEMERARO, C. TALARICO

AM laser system (IVVS) for the Iter in-vessel viewing and ranging

22nd Symposium on Fusion Technology (SOFT)

Helsinki (Finland) September 9-13, 2002

G. CAMBI, S. PACI, F. PAROZZIO, M.T. PORFIRI

Ex-vessel break in ITER divertor cooling loop analysis with the ECART code

22nd Symposium on Fusion Technology (SOFT)

Helsinki (Finland) September 9-13, 2002

C. NARDI, L. PETRIZZI, G. PIAZZA

A breeding blanket in ITER FEAT

22nd Symposium on Fusion Technology (SOFT)

Helsinki (Finland) September 9-13, 2002

K. SEIDEL, M. ANGELONE, P. BATISTONI, Y. CHEN, U. FISCHER, H. FREIESLEBEN, C. NEGOITA, R.L. PEREL, M. PILLON, S. UNHOLZER

Measurement and analysis of neutron and gamma-ray flux spectra in SiC

22nd Symposium on Fusion Technology (SOFT)

Helsinki (Finland) September 9-13, 2002

L. PETRIZZI, P. BATISTONI, M. PILLON

Comprehensive activation calculations of reference materials for Long Term Reactor Concepts

22nd Symposium on Fusion Technology (SOFT)

Helsinki (Finland) September 9-13, 2002

P. BATISTONI, S. ROLLET, Y. CHEN, U. FISCHER, L. PETRIZZI, Y. MORIMOTO

Analysis of dose rate experiment: comparison between FENDL, EFF/EAF and JENDL nuclear data libraries

22nd Symposium on Fusion Technology (SOFT)

Helsinki (Finland) September 9-13, 2002

E. VISCA, C. TESTANI, S. LIBERA, M. SACCHETTI

Manufacturing of small scale W monoblock mockups by hot radial pressing

22nd Symposium on Fusion Technology (SOFT)

Helsinki (Finland) September 9-13, 2002

G. BUCETI, C. CENTIOLI, F. IANNONE, M. PANELLA, A. RIZZO, V. VITALE

A rating system for post pulse data validation

22nd Symposium on Fusion Technology (SOFT)

Helsinki (Finland) September 9-13, 2002

L. DI PACE, A. NATALIZIO

Preliminary analysis of waste recycling scenarios for future fusion power plants

22nd Symposium on Fusion Technology (SOFT)

Helsinki (Finland) September 9-13, 2002

B. RICCARDI, M. MARTONE, C. ANTONUCCI, L. BURGAZZI, S. CEVOLANI, D. GIUSTI, G. DELL'ORCO, C. FAZIO, G. MICCICHE', M. SIMONCINI

Activities on IFMIF lithium target at ENEA

22nd Symposium on Fusion Technology

Helsinki (Finland) September 9-13, 2002

F. CRISANTI, R. ALBANESE, G. AMBROSINO, M. ARIOLA, J.LISTER, M. MATTEI, F. MILANI, A. PIRONTI, F. SARTORI, F. VILLONE

Upgrade of the present JET Shape and Vertical Stability Controller

22nd Symposium on Fusion Technology

Helsinki (Finland) September 9-13, 2002

M. RIVA, L. ZABEO, E. JOFFRIN, D. MAZONM D. MOREAU, A. MURARI, R. FELTON, K. GUENTHER, X. LITAUDON, F. SARTORI, C. TALIERCIO, G. TRESSET, AND CONTRIBUTORS TO THE EFDA-JET ZORKPROGRAMME

Real time safety factor profile determination in JET

22nd Symposium on Fusion Technology

Helsinki (Finland) September, 9-13, 2002

M.L. APICELLA, G. MAZZITELLI AND FTU TEAM

Effects of wall boron coating on FTU plasma operations

XVI Congresso Nazionale sulla Scienza e Tecnologia del Vuoto

Catania (Italia) Ottobre 7-9, 2002

G. MADDALUNO, G. GIACOMI, L. VERDINI

Thermal desorption measurement of deuterium retention in fusion relevant materials

XVI Congresso Nazionale sulla Scienza e Tecnologia del Vuoto

Catania (Italia) Ottobre 7-9, 2002

B. ANGELINI, M.L. APICELLA, G. APRUZZESE, E. BARBATO, A. BERTOCCHI, G. BRACCO, A. BRUSCHI, G. BUCETI, P. BURATTI, A. CARDINALI, L. CARRARO, C. CASTALDO, C. CENTIOLI, R. CESARIO, S. CIRANT, V. COCILOVO, F. CRISANTI, R. DE ANGELIS, M. DE BENEDETTI, G. GIRUZZI, F. DE MARCO, B. ESPOSITO, M. FINKENTHAL, D. FRIGIONE, L. GABELLIERI, F. GANDINI, L. GARZOTTI, G. GATTI, E. GIOVANNOZZI, C. GORMEZANO, F. GRAVANTI, G. GRANUCCI, M. GROLLI, F. IANNONE, H. KROEGLER, E. LAZZARO, M. LEIGHEB, G. MADDALUNO, G. MAFFIA, M. MARINUCCI, M. MATTIOLI, G. MAZZITELLI, F. MIRIZZI, S. NOWAK, D. PACELLA, L. PANACCIONE, M. PANELLA, P. PAPITTO, V. PERICOLI-RIDOLFINI, A. A. PETROV, L. PIERONI, S. PODDA, F. POLI, M. E. PUIATTI, G. RAVERA, G.B. RIGHETTI, F. ROMANELLI, M. ROMANELLI, F. SANTINI, M. SASSI, A. SAVILIEV, P. SCARIN, S.E. SEGRE, A. SIMONETTO, P. SMEULDERS, E. STERNINI, C. SOZZI, N. TARTONI, B. TILIA, A. A. TUCCILLO, O. TUDISCO, M. VALISA, V. VERSHKOV, V. VITALE, G. VLAD, V. ZANZA, M. ZERBINI, F. ZONCA

Overview of the FTU results

IAEA - 19th Fusion Energy Conference

Lyon (France) October 14-19, 2002

V. PERICOLI RIDOLFINI, E. BARBATO, P. BURATTI, C. CASTALDO, R. CESARIO, V. COCILOVO, B. ESPOSITO, E. GIOVANNOZZI, G. GIRUZZI, C. GORMEZANO, G. GRANUCCI, M. LEIGHEB, M. MARINUCCI, F. MIRIZZI, S. NOWAK, L. PANACCIONE, S. PODDA, Y. PEYSSON, M. ROMANELLI, A.N. SAVELIEV, P. SMEULDERS, C. SOZZI, O. TUDISCO, FTU & ECRH TEAMS

Progress towards internal transport barriers at high plasma density sustained by pure electron heating and current drive in the FTU Tokamak

IAEA - 19th Fusion Energy Conference

Lyon (France) October 14-19, 2002

C. CASTALDO, R. CESARIO, Y. ANDREW, A. CARDINALI, V. KIPTLY, M. MANTSINEN, F. MEO, A. MURARI, A. A. TUCCILLO, M. VALISA, D. VAN EESTER, L. BERTALOT, D. BETTELLA, C. GIROUD, C. INGESSON, E. JOFFRIN, M.-L. MAYORAL, L. MENESES

Transport barriers produced in JET discharges by ion Bernstein waves

IAEA - 19th Fusion Energy Conference

Lyon (France) October 14-19, 2002

S. PODDA, G. GRANUCCI, V. PERICOLI-RIDOLFINI, E. BARBATO, B. ESPOSITO, C. GORMEZANO, F. MIRIZZI, L. PANACCIONE AND THE FTU TEAM

LH current drive at ITER relevant condition in FTU Tokamak

IAEA - 19th Fusion Energy Conference

Lyon (France) October 14-19, 2002

V. PERICOLI RIDOLFINI, E. BARBATO, P. BURATTI, C. CASTALDO, R. CESARIO, V. COCILOVO, B. ESPOSITO, E. GIOVANNOZZI, G. GIRUZZI, C. GORMEZANO, G. GRANUCCI, M. LEIGHEB, M. MARINUCCI, F. MIRIZZI, S. NOWAK, L. PANACCIONE, S. PODDA, Y. PEYSSON, M. ROMANELLI, A.N. SAVELIEV, P. SMEULDERS, C. SOZZI, O. TUDISCO, FTU & ECRH TEAMS

Progress Towards internal transport barriers at high plasma density sustained by pure electron heating and current drive in the FTU Tokamak

IAEA - 19th Fusion Energy Conferences

Lyon (France) October 14-19, 2002

E. GIOVANNOZZI, S. ANNIBALDI, P. BURATTI, D. FRIGIONE, E. LAZZARO, L. PANACCIONE, O. TUDISCO

Island structures and rotation after pellet injection in FTU

IAEA - 19 Fusion Energy Conferences

Lyon (France) October 14-19, 2002

D. FRIGIONE, P. BURATTI, M. DE BENEDETTI, B. ESPOSITO, L. GABELLIERI, L. GARZOTTI, E. GIOVANNOZZI, M. LEIFHEB, M. MARINUCCI, M. MATTIOLI, L. PIERONI, M. ROMANELLI, B. ANGELINI, M.L. APICELLA, G. APRUZZESE, E. BARBATO, A. BEROCCHI, G. BRACCO, G. BUCETI, A. CARDINALI, C. CASTALDO, C. CENTIOLI, R. CESARIO, V. COCILOVO, F. CRISANTI, R. DE ANGELIS, F. DE MARCO, G. GATTI, C. GORMEZANO, F. GRAVANTI, M. GROLI, F. IANNONE, H. KROEGLER, G. MADDALUNO, G. MAFFIA, G. MAZZITELLI, F. MIRIZZI, D. PACELLA, L. PANACCIONE, M. PANELLA, V. PERICOLI-RIDOLFINI, S. PODDA, F. POLI, G.B. RIGHETTI, F. ROMANELLI, F. SANTINI, S.E. SEGRE, P. SMEULDERS, E. STENINI, N. TARTONI, B. TILIA, A. A. TUCCILLO, O. TUDISCO, V. VITALE, V. ZANZA, M. ZERBINI

Investigation of High Density Regimes in FTU by Pellet Injection and Impurity Seeding

IAEA - 19th Fusion Energy Conference

Lyon (France) October 14-19, 2002

F. ZONCA, S. BRIGUGLIO, L. CHEN, G. FOGACCIA, G. VLAD

Collective effects and self-consistent energetic particle dynamics in advanced tokamaks

IAEA - 19th Fusion Energy Conference

Lyon (France) October 14-19, 2002

P. LIBEYRE, D. CIAZYNSKI, P. DECOOL, J.L. DUCHATEAU, H. FILLUNGER, R. MAIX, E. SALPIETRO, A. ULBRICHT, F. WUECHNER, A. DELLA CORTE, M. SPADONI, A. LAURENTI, P. PESENTI, N. VALLE, F. BEAUDET, A. BOURQUARD, D. BRESSON

Technology transfer from laboratory to industry for fabrication of large superconducting coil joints

IAEA - 19th Fusion Energy Conference

Lyon (France) October 14-19, 2002

A. JAUN, S. BRIGUGLIO, G. FOGACCIA, C. GORMEZANO, F. ZONCA, G. VLAD, A. FASOLI, D. TESTA, S. KONOVALOV, L. CHEN, K. TOBITA, M. TAKECHI, K. SHINOHARA, A. FUKUYAMA,

Collective modes and fast particle confinement in ITER

IAEA - 19th Fusion Energy Conference

Lyon (France) October 14-19, 2002

C. CASTALDO, R. CESARIO, Y. ANDREW, A. CARDINALI, V. KIPTLY, M. MANTSINEN, F. MEO, A. MURARI, A. A. TUCCILLO, M. VALISA, D. VAN EESTER, L. BERTALOT, D. BETTELLA, C. GIROUD, C. INGESSON, E. JOFFRIN, M.-L. MAYORAL, L. MENESES AND JET EFDA CONTRIBUTORS

Improved Plasma Confinement by Ion Bernstein Waves (IBWs) Interacting with ions in JET (Joint European Torus)

IAEA - 19th Fusion Energy Conference

Lyon (France) October 14-19, 2002

G. MADDALUNO, G. MARUCCIA, M. MEROLA, S. ROLLET

Energy deposition and thermal effects of runaway electrons in ITER-FEAT plasma facing components

15th Int. Conf. on Plasma Surface Interactions in Controlled Fusion Devices - PSI-15

Gifu (Giappone) May 27-31, 2002

M.L. APICELLA, G. MAZZITELLI, G. APRUZZESE, G. BRACCO, H. KROEGLER, L. GABELLIERI, M. LEIFHEB, B. ESPOSITO, G. MADDALUNO, M. MARINUCCI, M. MATTIOLI, V. PERICOLI RIDOLFINI, L. PIERONI, M. ROMANELLI AND FTUM TEAM

Effects of wall boron coating on FTU plasma operations

15th Int. Conf. on Plasma Surface Interactions in Controlled Fusion Devices (PSI-15)

Gifu (Giappone) May 27-31, 2002

E. DEL GIUDICE, A. DE NINNO, M. FLEISCHMANN, A. FRATTOLILLO, G. MENGOLI

Loading of H(D) in a Pd lattice

ICCF-9

Pechino (Cina) May 19-26, 2002

E. DEL GIUDICE, A. DE NINNO, A. FRATTOLILLO, M. PORU, A. RIZZO

Production of excess enthalpy in the leectrolysis of d_2O on Pd cathodes

ICCF-9

Pechino (Cina) May 19-26, 2002

A. FRATTOLILLO, A. DE NINNO, A. RIZZO

Experimental techniques for detecting small quantities of 4He gas: problems and solutions

ICCF-9

Pechino (Cina) May 19-26, 2002

V. VIOLANTE, P. TRIPODI, D. DI GIOACCHINO, R. BORELLI, L. BETTINALI, E. SANTORO, A. ROSADA, F. SARTO, A. PIZZUTO, M. MCKUBRE, F. TANZELLA

X-Ray Emission During Electrolysis of Light Water on Palladium and Nickel Thin Films

ICCF-9

Pechino (Cina) May 19-26, 2002

V. VIOLANTE, P. TRIPODI, D. DI GIOACCHINO, R. BORELLI, A. PIZZUTO, M. MCKUBRE, F. TANZELLA, A. ADROVER, M. GIONA, L. CAPOBIANCO

Metallurgical effects on the dynamic of hydrogen loading in Pd

ICCF-9

Pechino (Cina) May 19-26, 2002

M. MCKUBRE, F. TANZELLA, P. TRIPODI and V. VIOLANTE

Progress towards replication

ICCF-9

Pechino (Cina) May 19-26, 2002

T. PINNA, A. NATALIZIO, M.T. PORFIRI

Methodology for worker dose evaluation of proposed nuclear facilities at the conceptual design stage

6th Int. Conf. on Probabilistic Safety Assessment and Management (PSAM6)

San Juan (Puerto Rico) June 23-28, 2002

S. CERESARA, M. CIOTTI, F. FELLI, G. GIUNCHI, A. MAURO, T. PETRISOR, M. SPADONI

Manufacture of Nb_3Al superconducting wires by the rapid heating and quenching technique

ICMC 2002

Xi'hang (Cina) June 17-21, 2002

R. CESARIO, A. CARDINALI, C. CASTALDO, N.C. HAWKES, D. MAZON, C. CHALLIS, J. MAILLOUX, F. CRISANTI, C. GORMEZANO, X. LITAUDON, V. PARAIL, F. SANTINI, T. TALA, A.A. TUCCILLO, L. ZABEO, AND CONTRIBUTORS TO THE EFDA-JET WORKGRAMME

Modelling of lower hybrid current drive and q-profile on high performance ITBs in JET

29th EPS Conf. on Plasma Physics and Controlled Fusion

Montreux (Svizzera) June 17-21, 2002

P. BURATTI, E. GIOVANNOZZI, L. PANACCIONE, O. TUDISCO

Fast reconnection and saturated $m=1$ modes in FTU tokamak

29th EPS Conf. on Plasma Physics and Controlled Fusion, (ECA Vol. 26B, P-2.054)

Montreux (Svizzera) June 17-21, 2002

P. BURATTI, E. GIOVANNOZZI

Alfvénic reconnection in FTU plasma and sawtooth trigger analysis

29th EPS Conf. on Plasma Physics and Controlled Fusion, (ECA Vol. 26B, P-2.011)

Montreux (Svizzera) June 17-21, 2002

D. FRIGIONE, L. PIERONI, M.L. APICELLA, G. APRUZZESE, L. CARRARO, B. ESPOSITO, L. GABELLIERI, H. FROEGLER, M. MARINUCCI, G. MAZZITELLI, M.E. PUIATTI, M. ROMANELLI, M. VALISA, AND FTU TEAM

RI mode in FTU ohmic plasmas by Ne injection

29th EPS Conf. on Plasma Physics and Controlled Fusion, (ECA Vol. 26B, P-2.053)

Montreux (Svizzera) June 17-21, 2002

G. GRANUCCI, A. BRUSCHI, S. CIRANT, B. ESPOSITO, D. FARINA, F. GANDINI, G. GIRUZZI, M. MARINUCCI, S. NOWAK, L. PANACCIONE, V. PERICOLI-RIDOLFINI, S. PODDA, A. SIMONETTO

Enhanced CD with up-shift and down-shift damping of EC waves on fast electrons in FTU

29th EPS Conf. on Plasma Physics and Controlled Fusion, (ECA Vol. 26B, P-2.38)

Montreux (Svizzera) June 17-21, 2002

S. PODDA, G. GRANUCCI, A. BRUSCHI, D. FRIGIONE, F. MIRIZZI, L. PANACCIONE, V. PERICOLI, Y. PEYSSON, THE FTU AND THE ECRH TEAM

Heating and current drive by lower waves injection in high density plasmas of FTU Tokamak

29th EPS Conf. on Plasma Physics and Controlled Fusion, (ECA Vol. 26B, P-2.039)

Montreux (Svizzera) June 17-21, 2002

A. JACCHIA, F. DE LUCA, S. CIRANT, C. SOZZI, G. BRACCO, A. BRUSCHI, P. BURATTI, S. PODDA, O. TUDISCO

Application of modulated ECH to electron heat transport study on FTU tokamak

29th EPS Conf. on Plasma Physics and Controlled Fusion, (ECA Vol. 26B, P-2.040)

Montreux (Svizzera) June 17-21, 2002

L. CARRARO, M. FINKENTHAL, K. FOURNIER, L. GABELLIERI, M. LEIGHEB, M. MATTIOLI, D. PACELLA, M.E. PUIATTI, P. SCARIN, M. VALISA

Impurity transport simulation in Radiatively improved and ITB plasmas in FTU

29th EPS Conf. on Plasma Physics and Controlled Fusion, (ECA Vol. 26B, P-2.042)

Montreux (Svizzera) June 17-21, 2002

G. VLAD, S. BRIGUGLIO, G. FOGACCIA, F. ZONCA

Nonlinear dynamics of shear Alfvén modes and energetic ion confinement in optimized shear tokamak equilibria

29th EPS Conf. on Plasma Physics and Controlled Fusion, (ECA Vol. 26B, P-4.088)

Montreux (Svizzera) June 17-21, 2002

M. LEIGHEB, D. PACELLA, M.J. MAY, M. MATTIOLI, M. FINKENTHAL, K.B. FOURNIER, R. ZAGORSKI

Observation of anomalous Iron Ion Charge Distribution in FTU

29th EPS Conf. on Plasma Physics and Controlled Fusion, (ECA Vol. 26B, P-2.011)

Montreux (Svizzera) June 17-21, 2002

B. ESPOSITO, F. CRISANTI, V. PARAIL, P. MAGET, Y. BARANOV, A. BÉCOULET, C. CASTALDO, C.D. CHALLIS, G.D. CONWAY, X. GARBET, C. GIROUD, R. DE ANGELIS, N. HAWKES, G.M.D. HOGWEIJ, X. LITAUDON, M. RIVA, K.D. ZASTROW, AND CONTRIBUTORS TO THE EFDA-JET WORKPROGRAMME

Correlation between magnetic shear and ExB shear flow on JET ITBs

29th EPS Conf. on Plasma Physics and Controlled Fusion, (ECA Vol. 26B, P-1.07)

Montreux (Svizzera) June 17-21, 2002

D. FRIGIONE, L. GABELLIERI, M. LEIGHEB, M. MATTIOLI, D. PACELLA, L. PANACCIONE

High performance FTU multiple pellet injection with no high-z impurity accumulation

29th EPS Conf. on Plasma Physics and Controlled Fusion, (ECA Vol. 26B, P-1.41)

Montreux (Svizzera) June 17-21, 2002

F. ROGIER, G. BRACCO, A. MANCUSO, P. MICOZZI, F. ALLADIO

Simply connected high- β magnetic configurations

11th Int. Congress on Plasma Physics (ICPP 2002)

Sydney (Australia) July 15-19, 2002

C. TALARICO, A. LO BUE, L. SEMERARO, F. HURD, C. CASSANI

Toroidal field model coil geometry survey

19th IEEE/NPSS Symposium on Fusion Engineering (SOFE)

Atlantic City, NJ (USA) January 22-25, 2002

C. NARDI

Particolarità di problemi di frattura nel campo della fusione nucleare

IGF 16 - XVI Convegno Nazionale Gruppo Italiano Frattura

Catania (Italia) Giugno 20-22, 2002

F. SCARAMUZZI

Caricamento di deuterio in palladio in fase gassosa e a basse temperature

Workshop TESMI

Lecce (Italia) Dicembre 6-7, 2002

V. VIOLANTE, E. SANTORO, A. ROSADA, F. SARTO, L. CAPOBIANCO, M. MCKUBRE, F. TANZELLA

X-ray emission and isotopic shift during electrochemical loading of hydrogen and deuterium in metals

Workshop TESMI

Lecce (Italia) Dicembre 6-7, 2002

P. GISLON, L. MUZZI, A. DI ZENOBIO, S. CHIARELLI, M. V. RICCI, M. SPADONI

Electrical Characterization of the NbTi strand for the ENEA Stability (SEx-Up) experiment

Applied Superconductivity Conference

Houston, TX (USA) August 4-9, 2002

E. VARESI, G. CELENTANO, L. CIONTEA, V. GALLUZZI, A. MANCINI, T. PETRISOR, A. RUFOLONI, A. VANNOZZI, V. BOFFA, U. GAMBARDELLA

Influence of the substrate microstructure on the superconducting transport properties of YBCO based coated conductors

Applied Superconductivity Conference

Houston, TX (USA) August 4-9, 2002

A. MANCINI, V. GALLUZZI, U. BESI VETRELLA, V. BOFFA, G. CELENTANO, L. CIONTEA, U. GAMBARDELLA, G. GRASSANO, T. PETRISOR, A. RUFOLONI, M. VADRUCCI

Properties of MgB₂ films grown by means of different techniques

Applied Superconductivity Conference

Houston, TX (USA) August 4-9, 2002

A. CARDINALI, C. CASTALDO, R. CESARIO

Modelling of ion Bernstein waves obtained by mode conversion of fast waves for local generation of plasma sheared flows

Int. School of Plasma Physics "Piero Caldirola"

Varenna (Italia) August 26-30, 2002

A. CARDINALI, F. ZONCA

Asymptotic analysis of eigenmodes in a tokamka plasma

Int. School of Plasma Physics "Piero Caldirola"

Varenna (Italia) August 26-30, 2002

M. ROMANELLI, M. DE BENEDETTI, A. THYAGARAJA

Simulation of turbulence in FTU

Int. School of Plasma Physics "Piero Caldirola"

Varenna (Italia) August 26-30, 2002

F. MIRIZZI, Ph. BIBET, A. MARRA, P. PETROLINI, A.A. TUCCILLO

Preliminary tests on the passive active multijunction launcher for FTU

Strong Microwaves in Plasmas 2002

Nizhny Novgorod (Russia) August 1-9, 2002

F. MIRIZZI, Ph. BIBET, P. BOSIA, L. DOCEUL, S. KUZIKOV, K. RANTAMAKI, A.A. TUCCILLO, F. WASTERJNA

The LHCD system for ITER

Strong Microwaves in Plasmas 2002

Nizhny Novgorod (Russia) August 1-9, 2002

T. PINNA, C. RIZZELLO

Safety assessment for ITER-FEAT tritium systems

ISFNT-6

San Diego, CA (USA) April 7-12, 2002

G. CAMBI, P. MELONI, M.T. PORFIRI

Influence of the break location in the loss of coolant accident analyses for the ITER divertor cooling loop

ISFNT-6

San Diego, CA (USA) April 7-12, 2002

M. PILLON, M. ANGELONE, R.A. FORREST

Measurements of decay heat and validation of the European activation code system for fusion power plant applications

ISFNT-6

San Diego, CA (USA) April 7-12, 2002

M. ANGELONE, P. BATISTONI, I. KODELI, L. PETRIZZI, M. PILLON

Benchmark analysis of neutronics performances of a SiC block irradiated with 14 MeV neutrons

ISFNT-6

San Diego, CA (USA) April 7-12, 2002

T. MARSHALL, M.T. PORFIRI, L. TOPILSKI, B. MERRILL

Fusion safety codes: international modeling with MELCOR and ATHENA-INTRA

ISFNT-6

San Diego, CA (USA) April 7-12, 2002

G. MAZZONE, G. BROLATTI, E. D'AGATA, A. IORIZZO, F. LUCCA, A. MARIN, M. MEROLA, L. PETRIZZI, A. PIZZUTO, M. ROCCELLA, L. SEMERARO, G. ZANOTELLI

Design of plasma facing components for the ITER FEAT divertor

ISFNT -6

San Diego, CA (USA) April 7-12, 2002

L. PETRIZZI, P. BATISTONI, Y. CHEN, U. FISCHER, H. IIDA, Y. MORIMOTO

Advanced methodology for dose rate calculation of ITER-FEAT

12th Biennial RPSD Topical Meeting

Santa Fè, NM (USA) April 14-18, 2002

B. RICCARDI, M. SACCHETTI, C.A. NANNETTI, J. WOLTERS DORF, E. PIPPEL, T. PETRISOR

Progress in low activation brazing for SiC_f/SiC ceramic matrix composites

5th Int. Energy Agency Workshop on SiC/SiC Ceramic Composites for Fusion Energy Application

San Diego, CA (USA) April 12-13, 2002

B. RICCARDI, C.A. NANNETTI, A. MUEHLRATZER, M. LEUCHS, D. DE PINTO, A. ORTONA

Recent achievements on SiC_f/SiC composite manufacturing in EU

5th Int. Energy Agency Workshop on SiC/SiC Ceramic Composites for Fusion Energy Application

San Diego, CA (USA) April 12-13, 2002

2001

L. DI PACE, A. NATALIZIO

Waste management aspects of fusion power plant

8th Int. Conf. on Environmental Management

Bruges (Belgio) September 30-October 4, 2001

N. MARTOVETSKY, P. MICHAEL, J. MINERVINI, A. RADOVINSKY, M. TAKAYASU, C.Y. GUNG, R. THOME, T. ANDO, T. ISONO, T. KATO, H. NAKAJIMA, G. NISHIJIMA, Y. NUNOYA, M. SUGIMOTO, Y. TAKAHASHI, H. TSUJI, D. BESSETTE, K. OKUNO, N. MITCHELL, M. RICCI, R. ZANINO, L. SAVOLDI, K. ARAI

Test of the ITER central solenoid model coil and CS insert

17th Int. Conf. on Magnet Technology

Geneva (Svizzera) September, 24-28, 2001

H. FILLUNGER, F. HURD, R.K. MAIX, E. SALPIETRO, D. CIAZYNSKY, J.-L. DUCHATEAU, P. LIBEYRE, A. MARTINEZ, E. BOBROV, W. HERZ, M. SÜßER, A. ULBRICHT, F. WÜCHNER, G. ZAHN, A. DELLA CORTE, M. RICCI, E. THEISEN, G. KRAFT, A. BOURQUARD, F. BEAUDET, B. SCHELLONG, R. ZANINO, L. SAVOLDI

Assembly in the test facility, acceptance and first test results of the ITER TF model coil

17th Int. Conf. on Magnet Technology

Geneva (Svizzera) September, 24-28, 2001

D. CIAZYNSKI, M. RICCI, J.L. DUCHATEAU, A. ULBRICHT, F. WUECHNER, G. ZAHN, H. FILLUNGER, R. MAIX

Resistances of electrical joints in the TF model coil of ITER: comparison of first test results with samples results

17th Int. Conf. on Magnet Technology

Geneva (Svizzera) September, 24-28, 2001

F. MIRIZZI, P. PAPITTO

The very high power radiofrequency additional heating systems for the FTU tokamak of the Fusion Division of ENEA in Frascati

Int. Seminar on "Heating by Internal Sources" HIS-01

Padova (Italia) September 12-14, 2001

P. BATISTONI

Research in the field of neutronics and of nuclear data for fusion

Int. Conf. on "Nuclear Energy in Central Europe 2001"

Portoro (Slovenia) September 10-13, 2001

F. DE MARCO

A look to the future: Fusion

Int. Conf. "E. Fermi and Nuclear Energy,

Pisa (Italia) Ottobre 15-16, 2001

U. FISCHER, P. BATISTONI, R. FORREST, A. KONOBEV, K. SEIDEL, S. SIMAKOV, P. PERESLAVTSEV

Application of nuclear data in fusion neutronics

Int. Conf. on Nuclear Data for Science and Technology (ND2001)

Tsukuba (Japan) October 7-12, 2001

D.V. RAO, T. TAKEDA, Y. ITAI, T. AKATSUKA, S.M. SELTZER, J.H. HUBBELL, R. CESARIO, A. BRUNETTI, G.E. GIGANTE

Measuring techniques for Compton, Rayleigh and fluorescence cross-sections excited by keV photons: potential use for various applications

Int. Conf. on Nuclear Data for Science and Technology (ND2001)

Tsukuba (Japan) October 7-12, 2001

P. BATISTONI, M. ANGELONE, L. PETRIZZI, M. PILLON

Benchmark experiment for the validation of shut down activation and dose rate in a fusion device

Int. Conf. Nuclear Data for Science and Technology (ND2001)

Tsukuba (Japan) October 7-12, 2001

M. PILLON, M. ANGELONE, R.A. FORREST

Development of a spectrometer to measure photon and electron decay heat from radionuclides

Int. Conf. Nuclear Data for Science and Technology (ND2001)

Tsukuba (Japan) October 7-12, 2001

B. RICCARDI, C.A. NANNETTI, T. PETRISOR, M. SACCHETTI

Low activation brazing materials and techniques for SiCf/SiC composites

ICFRM-10 Int. Conf. on Fusion Reactor Materials

Baden Baden (Germany) October 14-19, 2001

A. CARDINALI

Modeling of current drive in the high harmonic fast wave experiments

14th Topical Conf. on Radio Frequency Power in Plasmas

Oxnard, CA (USA) May 7-9, 2001

A.A. TUCCILLO, Y. BARANOV, E. BARBATO, PH. BIBET, C. CASTALDO, R. CESARIO, W. COCILOVO, F. CRISANTI, R. DE ANGELIS, A.C. EKEDAHL, A. FIGUEIREDO, M. GRAHAM, G. GRANUCCI, D. HARTMANN, J. HEIKKINEN, T. HELLSTEN, F. IMBEAUX, T.T.H. JONES, T. JOHNSON, K.V. KIROV, P. LAMALLE, M. LAXABACK, F. LEUTERER, X. LITAUDON, P. MAGET, J. MAILLOUX, M.J. MANTSINEN, M.L. MAYORAL, F. MEO, I. MONAKHOV, F. NGUYEN, J-M. NOTERDAEME, V. PERICOLI-RIDOLFINI, S. PODDA, L. PANACCIONE, E. RIGHI, F. RIMINI, Y. SARAZIN, A. SIBLEY, A. STAEBLER, T. TALA, D. VAN EESTER AND EFDA-JET WORK-PROGRAMME CONTRIBUTORS

Recent heating and current drive result on JET

14th Topical Conf. on Radio Frequency Power in Plasmas

Oxnard, CA (USA) May 7-9, 2001

V. PERICOLI RIDOLFINI, S. PODDA, J. MAILLOUX, Y. SARAZIN, Y. BARANOV, S. BERNABEI, R. CESARIO, V. COCILOVO, A. EKEDAHL, K. ERENTS, G. GRANUCCI, F. IMBEAUX, F. LEUTERER, F. MIRIZZI, G. MATTHEWS, L. PANACCIONE, F. RIMINI, A.A. TUCCILLO AND EFDA-JET CONTRIBUTORS

LHCD coupling during H-mode and ITB in JET plasmas

14th Topical Conf. on Radio Frequency Power in Plasmas

Oxnard, CA (USA) May 7-9, 2001

V. PERICOLI RIDOLFINI, E. BARBATO, A. BRUSCHI, R. DUMONT, F. GANDINI, G. GIRUZZI, C. GORMEZANO, G. GRANUCCI, L. PANACCIONE, Y. PEYSSON, S. PODDA, A.N. SAVELIEV, FTU TEAM, ECH TEAM

Combined LH and ECH experiments in the FTU Tokamak

14th Topical Conf. on Radio Frequency Power in Plasmas

Oxnard, CA (USA) May 7-9, 2001

C. NERI, L. BARTOLINI, A. COLETTI, M. FERRI DE COLLIBUS, G. FORNETTI, S. LUPINI, F. POLLASTRONE, L. SEMERARO, C. TALARICO

Advanced digital processing for amplitude and range determination in optical RADAR systems

2001 IEEE Real Time Conference

Valencia (Spain) June 4-8, 2001

S. TOSTI, G. CHIAPPETTA, C. RIZZELLO, A. BASILE, V. VIOLANTE

Pd-Ag Membrane reactors for water gas shift

17th North American Catalysis Society Meeting

Toronto, Ontario (Canada) June 3-8, 2001

R. CESARIO, A. CARDINALI, C. CASTALDO, M. LEIGHEB, M. MARINUCCI, V. PERICOLI-RIDOLFINI, F. ZONCA AND THE FTU GROUP

Transport analysis results of the ion Bernstein wave experiment on the FTU tokamak

28th EPS- Conference on Controlled Fusion and Plasma Physics

Madeira (Portogallo) June 18-22, 2001

O. TUDISCO, F. CRISANTI, P. LOMAS, E. JOFFRIN, F. RIMINI, A.BECOULET, L. BERTALOT, T. BOLZONELLA, G. BRACCO, C. GIROUD, S. CORTES, B. ESPOSITO, N. HAWKES, S. POPOVICHEV, E. RACHLEW, M. RIVA, AND CONTRIBUTORS TO THE EFDA-JET WORKPROGRAMME

Effect of internal flux shaping in JET transport barrier

28th EPS- Conference on Controlled Fusion and Plasma Physics

Madeira (Portogallo) June 18-22, 2001

O. TUDISCO, E. DE LA LUNA, V. KRIVENSKI, G. GIRUZZI, P. AMADEO, A. BRUSCHI, F. GANDINI, G. GRANUCCI, V. MUZZINI, A. SIMONETTO, FTU AND ECRH GROUP

Oblique ECE measurements during strong ECH at 140 GHz in FTU

28th EPS- Conference on Controlled Fusion and Plasma Physics

Madeira (Portogallo) June 18-22, 2001

M. ROMANELLI, F. ROMANELLI, F. ZONCA

On the optimal choice of the dimensionless parameters of burning plasma physics experiments

28th EPS- Conference on Controlled Fusion and Plasma Physics

Madeira (Portogallo) June 18-22, 2001

D. FRIGIONE, P. BURATTI, M. MARINUCCI, E. GIOVANNOZZI, F. POLI, M. ROMANELLI, M.L. APICELLA, P. AMADEO, G. BRACCO, B. ESPOSITO, L. GARZOTTI, C. GORMEZANO, G. MONARI, D. PACELLA, L. PANACCIONE, L. PIERONI, O. TUDISCO AND FTU TEAM

High field, high performance operation in FTU with multiple pellet injection

28th EPS- Conference on Controlled Fusion and Plasma Physics

Madeira (Portogallo) June 18-22, 2001

E. GIOVANNOZZI, P. BURATTI, D. FRIGIONE, L. PANACCIONE, O. TUDISCO, P. SMEULDERS AND FTU TEAM

Sawtooth and $M=1$ mode behaviour in FTU pellet enhanced discharges

28th EPS- Conference on Controlled Fusion and Plasma Physics

Madeira (Portogallo) June 18-22, 2001

E. BARBATO

ECHR studies: internal transport barriers and MHD stabilisation

28th EPS- Conference on Controlled Fusion and Plasma Physics

Madeira (Portogallo) June 17-22, 2001

M. ANGELONE, M. CHITI, A. ESPOSITO, E. FANTUZZI, F. MONTEVENTI

Energy dependence of TLD-300 response from 6 keV up to 1250 keV

13th Int. Conf. on Solid State Dosimetry

Athens (Grecia) July 9-13, 2001

A. DELLA CORTE, A. GHARIB, D. HAGEDORN, S. TURT, G.L. BASILE, A. CATITTI, S. CHIARELLI, E. DI FERDINANDO, G. TADDIA, M. TALLI, L. VERDINI, R. VIOLA

Cryogenic testing of by-pass diode stacks for the superconducting magnets of the large hadron collider at CERN

CEC-ICMC 2001 Conference

Madison (USA) July, 16-20, 2001

A. CARDINALI, C. CASTALDO, R. CESARIO

Non linear ion flow induced by a large amplitude wave in a plasma

2nd Int. Conf. on Superstrong Fields in Plasma

Varenna (Italia) August 27-September 1, 2001

M. CIOTTI, A. DI ZENOBIO, P. GISLON, L. MUZZI, M. SPADONI, S. TURTÙ

Loss calculations in a CICC solenoid exposed to rapidly changing magnetic fields

EUCAS 2001

Copenhagen (Denmark) August 26-30, 2001

E. BALSAMO, P. BELLUCCI, A. CATITTI, M. CIOTTI, A. DELLA CORTE, P. GISLON, L. MUZZI, G. PASOTTI, M. RICCI, M. SPADONI

An experiment for the study of the current distribution effect on stability with different conductors

EUCAS 2001

Copenhagen (Denmark) August 26-30, 2001

G. GELENTANO, V. BOFFA, L. CIONTEA, F. FABBRI, V. GALLUZZI, U. GAMBARDELLA, A. MANCINI, T. PETRISOR, R. ROGAI, A. RUFOLONI, E. VARESI

High J_c YBCO coated conductors on non-magnetic metallic substrate using YSZ-based buffer layer architecture

EUCAS 2001

Copenhagen (Denmark) August 26-30, 2001

E. VARESI, V. BOFFA, G. CELENTANO, L. CIONTEA, F. FABBRI, V. GALLUZZI, U. GAMBARDELLA, A. MANCINI, T. PETRISOR, A. RUFOLONI, A. VANNOZZI

Biaxial texturing of Ni Alloy substrates for YBCO coated conductors

EUCAS 2001

Copenhagen (Denmark) August 26-30, 2001

F. ALLADIO, A. MANCUSO, P. MICOZZI, F. ROGIER

Chandrasekhar-kendall-Furth configurations for magnetic confinement

4th Symp. on Current Trends in International Fusion Research

Ottawa (Canada) 2001

2000

P. BELLUCCI, M. CIOTTI, P. GISLON, M. SPADONI, L. BOTTURA, L. MUZZI, S. TURTU'

Comparison between the predictions of the thermo-hydraulic code Gandalf and the results of a long length instrumented CICC module experiment

SATT 10 Congresso Nazionale di Superconduttività

Frascati (Italia) Settembre 6-8, 2000

F. DE MARCO, P. PAPITTO, G. MARROCCO, F. BARDATI

Modellistica elettromagnetica di una camera a risonanza elettronica ciclotronica con il metodo FDTD

RINEM 2000 (Riunione Nazionale di Elettromagnetismo)

Como (Italia) Settembre 18-24, 2000

L. BOTTURA, M. CIOTTI, P. GISLON, M. SPADONI, P. BELLUCCI, L. MUZZI, S. TURTU' A. CATITTI, S. CHIARELLI, A. DELLA CORTE, E. DI FERDINANDO

Stability in a long length NbTi CICC

2000 Applied Superconductivity Conference

Virginia Beach, VA (USA) September 17-22, 2000

V. BOFFA, G. CELENTANO, L. CIONTEA, F. FABBRI, V. GALLUZZI, U. GAMBARDELLA, G. GRIMALDI, A. MANCINI, T. PETRISOR

Influence of film thickness on the critical current of $YBa_2Cu_3O_{7-x}$ thick films on Ni-V biaxially textured substrates

2000 Applied Superconductivity Conference

Virginia Beach, VA (USA) September 17-22, 2000

B. DI MARTINO, S. BRIGUGLIO, G. FOGACCIA, G. VLAD

Programming shared memory architectures with OpenMP: a case study

2nd Europ. Workshop on OpenMP - EWOMP 2000

Edinburgh (Scozia) September 14-15, 2000

L. PETRIZZI, G. BROLATTI, A. DAL SANTO, F. LUCCA, A. MARIN, G. MAZZONE, M. MEROLA, M. ROCCELLA, L. SEMERARO, G. VIEIDER

Design of a welded box divertor cassette for ITER FEAT

21st Symposium on Fusion Technology (SOFT)

Madrid (Spain) September 11-15, 2000

D.G. CEPRAGA, G. CAMBI, M. FRISONI, L. DI PACE

Dose rate outside cryostat of the SEAFP-2 fusion plant

21st Symposium on Fusion Technology (SOFT)

Madrid (Spain) September 11-15, 2000

G. FERMANI, M. ZARFINO

A software environment to execute automatic operational sequences on the ITER-FEAT DPT facility

21st Symposium on Fusion Technology (SOFT)

Madrid (Spain) September 11-15, 2000

A. BERTOCCHI, G. BRACCO, G. BUCETI, C. CENTIOLI, F. IANNONE, G. MANDUCHI, M. PANELLA, U. NANNI, C. STRACUZZI, V. VITALE

Recent developments and object-oriented approach in FTU database

21st Symposium on Fusion Technology (SOFT)

Madrid (Spain) September 11-15, 2000

L. BARTOLINI, A. COLETTI, M. FERRI DE COLLIBUS, G. FORNETTI, C. NERI, M. RIVA, L. SEMERARO, C. TALARICO

Experimental results of laser in vessel viewing system (LIVVS) for JET

21st Symposium on Fusion Technology (SOFT)

Madrid (Spain) September 11-15, 2000

M. FERRARI, L. GIANACARLI, K. KLEEFELDT, C. NARDI, M. RODIG, J. REIMANN

Evaluation of divertor conceptual designs for a fusion power plant

21st Symposium on Fusion Technology (SOFT)

Madrid (Spain) September 11-15, 2000

B. RICCARDI, R. MONTANARI, L.F. MORESCHI, A. SILI, S. STORAI

Mechanical characterisation of fusion materials by indentation test

21st Symposium on Fusion Technology (SOFT)

Madrid (Spain) September 11-15, 2000

P. BATISTONI, M. ANGELONE, L. PETRIZZI, M. PILLON

Experimental validation of shut down dose rates calculations inside ITER cryostat

21st Symposium on Fusion Technology (SOFT)

Madrid (Spain) September 11-15, 2000

E. VISCA, B. RICCARDI, A. ORSINI, C. TESTANI

Manufacturing and testing of monoblock tungsten small-scale

21st Symposium on Fusion Technology (SOFT)

Madrid (Spain) September 11-15, 2000

R.K. MAIX, H. FILLUNGER, F. HURD, E. SALPIETRO, N. MITCHELL, P. LIBEYRE, P. DECOOL, A. ULBRICHT, G. ZHAN, A. DELLA CORTE, M. RICCI, D. BRESSON, A. BOURQUARD, F. BAUDET, B. SCHELLONG, E. THEISEN, N. VALLE

Completion of the ITER toroidal field model coil (TFMC)

21st Symposium on Fusion Technology (SOFT)

Madrid (Spain) September 11-15, 2000

A. NATALIZIO, T. PINNA, L. DI PACE

Impact of plant incidents on worker radiation exposure for the SEAF design

21st Symposium on Fusion Technology (SOFT)

Madrid (Spain) September 11-15, 2000

A. CUCCHIARO, A. CAPRICCIOLI, G. CELENTANO, C. CRESCENZI, M. GASPAROTTO, C. RITA, M. ROCCELLA, A. BIANCHI, G. FERRARI, G. GALASSO, B. PARODI, G.P. SANGUINETTI, B. COPPI

The Ignitor radial electromagnetic press system (new concept)

21st Symposium on Fusion Technology (SOFT)

Madrid (Spain) September 11-15, 2000

G. CELENTANO, A. CAPRICCIOLI, A. CUCCHIARO, M. GASPAROTTO, A. BIANCHI, G. FERRARI, B. PARODI, G.P. SANGUINETTI, F. VIVALDI, S. ORLANDI, B. COPPI

Engineering evolution of the ignitor machine

21st Symposium on Fusion Technology (SOFT)

Madrid (Spain) September 11-15, 2000

P. BURATTI AND JET TEAM

High beta plasmas and internal barrier dynamics in JET discharges with optimised shear

8th IAEA Fusion Energy Conference

Sorrento (Italia) October, 4-10 2000

D. FRIGIONE, E. GIOVANNOZZI, C. GORMEZANO, F. POLI, M. ROMANELLI, O. TUDISCO, F. CRISANTI, B. ESPOSITO, L. GABELLIERI, L. GARZOTTI, M. LEIGHEB, D. PACELLA, F. ALLADIO, B. ANGELINI, M.L. APICELLA, G. APRUZZESE, E. BARBATO, L. BERALOT, A. BERTOCCHI, G. BRACCO, G. BUCETI, P. BURATTI, A. CARDINALI, S. CASCINO, C. CASTALDO, C. CENTIOLI, R. CESARIO, P. CHUILON, V. COCILOVO, R. DE ANGELISI, M. DE BENEDETTI, F. DE MARCO, G. GATTI, F. GRAVANTI, M. GROLLI, F. IANNONE, H. KROEGLER, G. MADDALUNO, G. MAFIA, M. MARINUCCI, G. MAZZITELLI, P. MICOZZI, F. MIRIZZI, L. PANACCIONE, M. PANELLA, P. PAPITTO, V. PERICOLI-RIDOLFINI, A.A. PETROV, L. PIERONI, S. PODDA, G. PULCELLA, G. RAVERA, G.B. RIGHETTI, F. ROMANELLI, F. SANTINI, M. SASSI, S.E. SEGRE, P. SMEULDERS, E. STERNINI, N. TARTONI, B. TILIA, P.E. TREVISANUTTO, A.A. TUCCILO, V. VITALE, G. VLAD, V. VERSHKOV, V. ZANZA, M. ZERBINI, F. ZONCA

Steady improved confinement in FTU high field plasmas sustained by deep pellet injection

18th IAEA Fusion Energy Conference

Sorrento (Italia) October 4-10, 2000

C. GORMEZANO and JET Team

Overview of JET results in support of the ITER physics basis

18th IAEA Fusion Energy Conference

Sorrento (Italia) October 4-10, 2000

D. PACELLA, M. LEGHEB, L. GABELLIERI, L. PANACCIONE, M. ZERBINI, M. MATTIOLI, M. MAY, M. FINKENTHAL, K.B. FOURNIER, W.H. GOLDSTEIN

Mid-high z impurities as diagnostic tools in tokamak plasmas

18th IAEA Fusion Energy Conference

Sorrento (Italia) October 4-10, 2000

G. BRACCO, A. BRUSCHI, P. BURATTI, S. CIRANT, F. CRISANTI, B. ESPOSITO, D. FRIGIONE, E. GIOVANNOZZI, G. GIRUZZI, G. GRANUCCI, V. KRIVENSKI, C. SOZZI, O. TUDISCO, V. ZANZA, F. ALLADIO, B. ANGELINI, M.L. APICELLA, G. APRUZZESE, E. BARBATO, L. BERTALOT, A. BERTOCCHI, G. BUCETI, A. CARDINALI, S. CASCINO, C. CASTALDO, C. CENTIOLI, R. CESARIO, P. CHUILLON, S. CIATTAGLIA, V. COCILOVO, R. DE ANGELIS, M. DE BENEDETTI, E. DE LA LUNA, F. DE MARCO, B. FRANCONI, L. GABELLIERI, G. GATTI, C. GORMEZANO, F. GRAVANTI, M. GROLLI, F. IANNONE, H. KROEGLER, M. LEIGHEB, G. MADDALUNO, G. MAFIA, M. MARINUCCI, G. MAZZITELLI, P. MICOZZI, F. MIRIZZI, S. NOWAK, F.P. ORSITTO, D. PACELLA, L. PANACCIONE, M. PANELLA, F. PAPITTO, V. PERICOLI RIDOLFINI, L. PIERONI, S. PODDA, F. POLI, G. PULCELLA, G. RAVERA, G.B. RIGHETTI, F. ROMANELLI, M. ROMANELLI, A. RUSSO, F. SANTINI, SASSI, S.E. SEGRE, A. SIMONETTO, P. SMEULDERS, S. STERNINI, N. TARTONI, P.E. TRAVISANUTTO, A.A. TUCCILLO, V. VITALE, G. VLAD, M. ZERBINI, F. ZONCA

ECRH results during current ramp-up post-pellet injection in FTU plasma

18th IAEA Fusion Energy Conference

Sorrento (Italia) October 4-10, 2000

F. ALLADIO, B. ANGELINI, M.L. APICELLA, G. APRUZZESE, E. BARBATO, L. BERTALOT, A. BERTOCCHI, G. BRACCO, A. BRUSCHI, G. BUCETI, P. BURATTI, A. CARDINALI, S. CASCINO, C. CASTALDO, C. CENTIOLI, R. CESARIO, P. CHUILLON, S. CIATTAGLIA, S. CIRANTI, V. COCILOVO, F. CRISANTI, R. DE ANGELIS, M. DE BENEDETTI, E. DE LA LUNA, G. GIRUZZI, F. DE MARCO, B. ESPOSITO, M. FINKENTHAL, B. FRANCONI, D. FRIGIONE, L. GABELLIERI, F. GANDINI, G. GATTI, E. GIOVANNOZZI, C. GORMEZANO, F. GRAVANTI, G. GRANUCCI, M. GROLLI, F. IANNONE, V. KRIVENSKI, H. KROEGLER, E. LAZZARO, M. LEIGHEB, G. MADDALUNO, G. MAFIA, M. MARINUCCI, G. MAZZITELLI, M. MAY, P. MICOZZI, F. MIRIZZI, S. NOWAK, F.P. ORSITTO, D. PACELLA, L. PANACCIONE, M. PANELLA, P. PAPITTO, V. PERICOLI-RIDOLFINI, A. A. PETROV, L. PIERONI, S. PODDA, F. POLI, G. PUCCELLA, G. RAVERA, G.B. RIGHETTI, F. ROMANELLI, M. ROMANELLI, A. RUSSO, F. SANTINI, M. SASSI, S.E. SEGRE, A. SIMONETTO, P. SMEULDERS, E. STERNINI, C. SOZZI, N. TARTONI, B. TILIA, P. E. TRAVISANUTTO, A. A. TUCCILLO, O. TUDISCO, V. VERSHKOV, V. VITALE, G. VLAD, V. ZANZA, M. ZERBINI, F. ZONCA

Overview of the FTU results

18th IAEA Fusion Energy Conference

Sorrento (Italia) October 4-10, 2000

L. CHEN, Z. LIN, R.B. WHITE, F. ZONCA

Nonlinear zonal dynamics of drift and drift-Alfvén turbulences in tokamak plasmas

18th IAEA Fusion Energy Conference

Sorrento (Italia) October 4-10, 2000

F. ZONCA, S. BRIGUGLIO, L. CHEN, G. FOGACCIA, G. VLAD, L.-J. ZHENG

Energetic particle mode dynamics in tokamaks

18th IAEA Fusion Energy Conference

Sorrento (Italia) October 4-10, 2000

V. PERICOLI RIDOLFINI, Y. PEYSSON, R. DUMONT, G. GIRUZZI, G. GRANUCCI, L. PANACCIONE, L. DELPECH, B. TILIA, FTU TEAM, ECH TEAM

Combined LH and ECH experiments in the FTU tokamak

18th IAEA Fusion Energy Conference

Sorrento (Italia) October 4-10, 2000

G. VLAD, F. ZONCA

High-n ideal TAE stability of ITER

8th IAEA Fusion Energy Conference

Sorrento (Italia) October 4-10, 2000

E. BARBATO, A. BRUSCHI, G. CANDELA, R. CESARIO, P. CHUILLON, S. CIRANT, R. CMAESEN, V. COCILOVO, A. COLETTI, C. CRESCENZI, F. CRISANTI, A. CUCCHIARO, R. DE ANGELIS, G. FERMANI, M. GASPAROTTO, G. GRANUCCI, E. LAZZARO, G. MADDALUNO, M. MARINUCCI, G. MAZZITELLI, S. NOVAK, S. PAPASTERGIOU, V. PERICOLI, L. PIERONI, G. RAMPONI, U. ROCCELLA, F. ROMANELLI, M. SANTINELLI, L. SEMERARO, C. SOZZI, F. STARACE, A.A. TUCCILLO, O. TUDISCO, V. VITALE, L. ZANNELLI, R. ALBANESE, G. AMBROSINO, M. ARIOLA, A. PIRONT, F. VILLONE

The FTU-D project

18th IAEA Fusion Energy Conference

Sorrento (Italia) October 4-10, 2000

C. NERI, L. BARTOLINI, A. COLETTI, M. FERRI DE COLLIBUS, G. FORNETTI, M. RIVA, L. SEMERARO, C. TALARICO

AM Laser in-vessel viewing system for thermonuclear fusion machine: First experimental results and extension to ranging

14th ANS Topical Meeting on the Technology of Fusion Energy

Park City, UT (USA) October 15-19, 2000

L.C. ALVES, E. ALVES, A. PAUL, M.F. DA SILVA, J.C. SOARES, A. LA BARBERA, B. RICCARDI

Surface reactions of SiC/SiC_f composites studied with microbeams

Fourth Int. Energy Agency Workshop on SiC_f/SiC Ceramic Composites for Fusion Application

Frascati (Italia) October, 12-13, 2000

M. FERRARIS, B. RICCARDI, M. SALVO

High characteristic temperature SiC_f/SiC composite glass-ceramic coatings for fusion application

Fourth Int. Energy Agency Workshop on SiC_f/SiC Ceramic Composites for Fusion Application

Frascati (Italia) October 12-13, 2000

C.A. NANNETTI, B. RICCARDI, A. ORTONA, A. LA BARBERA, E. SCAFÈ

Manufacturing of advanced three-dimensional texture SiC_f/SiC composites

Fourth Int. Energy Agency Workshop on SiC_f/SiC Ceramic Composites for Fusion Application

Frascati (Italia) October 12-13, 2000

B. RICCARDI

EU activities on SiC_f/SiC composites for fusion

Fourth Int. Energy Agency Workshop on SiC_f/SiC Ceramic Composites for Fusion Application

Frascati (Italia) October 12-13, 2000

T. PINNA, R. CAPORALI, L. BURGAZZI

Selection of accident sequences for the new design of ITER

Int. Conf. on Probabilistic Safety Assessment and Management PSAM5

Osaka (Japan) November 27-december 1, 2000

V. VIOLANTE, G.H. MILEY, P. TRIPODI, D. DI GIACCHINO, C. SIBILIA

Recent results from collaborative research at ENEA-Frascati on reaction phenomena in solids

Winter Meeting of the American Nuclear Society (ANS)

Washington, DC (USA) November 12-17, 2000

S. BRIGUGLIO, G. VLAD, B. DI MARTINO, G. FOGACCIA

Parallelization of particle codes for the simulation of Alfvénic turbulence: Gridless finite size particle versus PIC approach

17th Int. Conf. on the Numerical Simulation of Plasmas

Banff, Alberta (Canada) May 22-24, 2000

M. PILLON, M. ANGELONE, R.A. FORREST

A new detector to measure gamma and beta decay power from radionuclides

8th Pisa Meeting on Advanced Detectors

La Biodola, Isola d'Elba (Italia) May 21-27, 2000

- R.G. AGOSTINO, R. FILOSA, V. FORMOSO, G. LIBERTI, A. DE NINNO, F. D'ACAPITO, S. COLONNA**
Electronic fingerprint of D site occupation in Pd deuterate
 ICCF8 - VIII Int. Conf. on Cold Fusion
 Lerici, La Spezia (Italia) May, 21-26, 2000
- XING Z. LI, YUN J. YAN, JIAN TIAN, MING Y. MEM YAN DENG, ZEIZ. YU, GUO Y. TANG, DONG X. CAO, A. DE NINNO**
Nuclear transmutation in Pd deuteride
 ICCF8 - VIII Int. Conf. on Cold Fusion
 Lerici, La Spezia (Italia) May 21-26, 2000
- M. CIOTTI, P. GISLON, M. MORONI, M. SPADONI, T. PETRISOR, V. POP**
Test and qualification of a variable temperature vibrating sample magnetometer system for the measurement of magnetization cycles up to $\pm 12T$ in the 4.2K - 300K Temperature range
 SATT 10
 Frascati (Italia) Maggio 9-12, 2000
- M. COLA, E. DEL GIUDICE, A. DE NINNO, G. PREPARATO**
A simple model of the "Cohn-Aharonov" effect in a peculiar electrolytic configuration
 ICCF-8 - VIII Int. Conf. on Cold Fusion
 Lerici, La Spezia (Italia) Maggio 21-26, 2000
- V. VIOLANTE, C. SIBILIA, D. DI GIOACCHINO, M. MCKUBRE, F. TANZELLA, P. TRIPODI**
Hydrogen isotopes interaction dynamics in palladium lattice
 ICCF8 -VIII Int. Conf. on Cold Fusion
 Lerici, La Spezia (Italia) Maggio 21-26, 2000
- M. MCKUBRE, F. TANZELLA, P. TRIPODI, D. DI GIOACCHINO, V. VIOLANTE**
Finite element modeling of the transient calorimetric behaviour of the MATRIX experimental apparatus: ^4He and excess of power production correlation through numerical results
 ICCF-8 - VIII Int. Conf. on Cold Fusion
 Lerici, La Spezia (Italia) Maggio 21-26, 2000
- E. DEL GIUDICE, A. DE NINNO, A. FRATTOLILLO, G. PREPARATA, F. SCARAMUZZI, P. TRIPODI**
Loading palladium with deuterium gas while lowering temperature
 ICCF-8 - VIII Int. Conf. on Cold Fusion
 Lerici, La Spezia (Italia) Maggio 21-26, 2000
- E. DEL GIUDICE, A. DE NINNO, A. FRATTOLILLO, G. PREPARATA, F. SCARAMUZZI, A. BULFONE, M. COLA, C. GIANNETTI**
The Fleischmann-Pons effect in a novel electrolytic configuration
 ICCF-8 - VIII Int. Conf. on Cold Fusion
 Lerici, La Spezia (Italia) Maggio 21-26, 2000
- A. DE NINNO, A. FRATTOLILLO, A. RIZZO, F. SCARAMUZZI, C. ALESSANDRINI**
A new method aimed at detecting small amounts of helium in a gaseous mixture
 ICCF-8 - VIII Int. Conf. on Cold Fusion
 Lerici, La Spezia (Italia) Maggio 21-26, 2000
- M. ANGELONE, P. BATISTONI, M. PILLON**
Effect of the encapsulating material on the peak3/peak5 response ratio of TLD-300 irradiated with neutrons of various energy
 8th Int. Symp. on Radiation Physics (ISRP-8)
 Praha (Cecoslovacchia) June 5-9, 2000

R. GARRE', S. ROSSI, R. BRUZZESE, S. CHIARELLI, P. GISLON, M. SPADONE

The multifilamentary internal TIN Nb₃Sn strand for the ITER toroidal field model coil

ICMC 2000

Rio de Janeiro (Brasile) June 5-9, 2000

M. ANGELONE, A. ESPOSITO, M. CHITI, A. GENTILE

Measurement of total absorption coefficients for four mixtures using x-rays from 13 keV up to 40 keV

8th Int. Symp. on Radiation Physics

Praga (Cecoslovacchia) June 5-9, 2000

B. DI MARTINO, S. BRIGUGLIO, G. FOGACCIA, G. VLAD

Parallel PIC codes for distributed and shared memory architectures with HPF and OpenMP

Int. Conf. on Parallel and Distributed Processing Techniques and Applications -PDPT'2000

Las Vegas, NV (USA) June 26-29, 2000

R. DE ANGELIS, S. E. SEGRE, N. TARTONI, V. ZANZA

The motional stark effect diagnostic in FTU

Thirteenth Topical Conference on High-Temperature Plasma Diagnostics

Tucson, AZ (USA) June 18-22, 2000

A. NATALIZIO, L. DI PACE, T. PINNA

Assessment of occupational radiation exposure for two fusion power plant designs

IAEA Technical Committee Meeting on Fusion Reactor Safety (F1-TC-1165)

Cannes (France) June 13-16, 2000

C. GORMEZANO, B. ALPER, Y. BARANOV, C. CHALLIS, C. GOWERS, N. HAWKES, T. HENDER, A. MAAS, P.J. LOMAS, S. PODDA, F. RIMINI, G. SIPS, K-D. ZASTROW

High beta plasmas with internal transport barriers in JET

27th Conf. on Controlled Fusion and Plasma Physics (EPS)

Budapest (Ungheria) June 12-16, 2000

F. CRISANTI, B. ESPOSITO, L. BERTALOT, C. GIROUD, C. GORMEZANO, C. GOWERS, R. PRENTICE, A. TUCCILLO, K.-D. ZASTROW, M. ZERBINI

ExB flow shearing rate evaluation in JET ITB discharges

27th Conf. on Controlled Fusion and Plasma Physics (EPS)

Budapest (Ungheria) June 12-16 2000

J.R. MARTIN-SOLIS, B. ESPOSITO, R. SANCHEZ, L. BERTALOT, S. ROLLET, Y.A. KASCHUCK, D.V. PORTNOV

Runaway electron measurements in FTU Tokamak

27th Europ. Conf. on Controlled Fusion and Plasma Physics (EPS)

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M.L. APICELLA, G. APRUZZESE, R. DE ANGELIS, G. GATTI, M. LEIGHEB, D. PACELLA, G. MAZZITELLI, V. PERICOLI-RIDOLFINI

Effects of wall titanium coating on FTU plasma operations

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D. PACELLA, M. LEIGHEB, M.J. MAY, M. FINKENTHAL, M. MATTIOLI, L. GABELLIERI, K.B. FOURNIER

Peculiarities of space and time evolution of iron impurity injected in the FTU tokamak plasmas

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F. ALLADIO, L.A. GROSSO, A. MANCUSO, S. MANTOVANI, P. MICOZZI, G. ABRUZZESE, L. BETTINALI, P. BURATTI, R. DE ANGELIS, G. GATTI, G. MONARI, M. PILLON, A. SIBIO, B. TILIA, O. TUDISCO

Results of proto-pinch testbench for the proto-sphera experiment

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G. CELENTANO, C. ANNINO, V. BOFFA, L. CIONTEA, F. FABBRI, U. GAMBARDELLA, V. GALLUZZI, G. GRIMALDI, A. MANCINI, L. MUZZI, T. PETRISOR

Superconducting and structural properties of YBCO thick films grown on biaxially oriented CeO₂/NiO/Ni-V architecture

6th Int. Conf. Materials and Mechanisms of Superconductivity and High Temperature Superconductors

Houston, TX (USA) February 20-25, 2000

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Properties of biaxially oriented Y₂O₃ based buffer layers deposited on cube textured non-magnetic Ni-V substrates for YBCO coated conductors

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A. CARDINALI

Complex ray tracing method in high harmonic fast wave propagation and absorption

Int. School of Plasma Physics "Piero Caldirola"

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F. ZONCA, S. BRIGUGLIO, L. CHEN, G. FOGACCIA, G. VLAD

Theoretical aspects of collective mode excitations by energetic ions in tokamaks

Inte. School of Plasma Physics "Piero Caldirola" Theory of Fusion Plasmas

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