

PEER-Reviewed Publications in Scientific Journals/Conference Proceedings/Book Chapter

2009-2010 (116 Reprints)

1. Fast Imaging of Laser-blow-off Plume: Lateral Confinement in Ambient Environment
SONY GEORGE, AJAI KUMAR, R. K. SINGH, and V. P. N. NAMPOORI
[Applied Physics Letters, 94, 141501, 2009](#)
2. Physics of Non-diffusive Turbulent Transport of Momentum and the Origins of Spontaneous Rotation in Tokamaks
P.H. DIAMOND, C.J. MCDEVITT, O.D. GURCAN, T.S. HAHM, W. X. WANG, E.S. YOON, I. HOLOD, Z. LIN, V. NAULIN and R. SINGH
[Nuclear Fusion, 49, 045002, 2009](#)
3. Anomalous Energy Dissipation of Electron Current Pulses Propagating through an Inhomogeneous Collisionless Plasma Medium
SHARAD KUMAR YADAV, AMITA DAS, PREDHIMAN KAW, and SUDIP SENGUPTA
[Physics of Plasmas, 16, 040701, 2009](#)
4. Polarimetric Detection of Laser Induced Ultrashort Magnetic Pulses in Overdense Plasma
SUBHENDU KAHALY, S. MONDAL, G. RAVINDRA KUMAR, S. SENGUPTA, A. DAS, and P. K. KAW
[Physics of Plasmas, 16, 043114, 2009](#)
5. Plasma Currents Induced by Resonant Magnetic Field Perturbations in Tokamaks
D. REISER and D. CHANDRA
[Physics of Plasmas, 16, 042317, 2009](#)
6. Molecular Dynamics Modeling of Chemical Erosion of Hydrocarbon Films
U. VON TOUSSAINT, P.N. MAYA, and C. HOPF
[Journal of Nuclear Materials, 386-388, 353-355, 2009](#)
7. Cyclic Heat Load Testing of Improved CFC/Cu Bonding for the W 7-X Divertor Targets
H. GREUNER, B. BOSWIRTH, J. BOSCARY, P. CHAUDHURI, J. SCHLOSSER, T. FRIEDRICH, A. PLANKENSTEINER, and R. TIVEY
[Journal of Nuclear Materials, 386-388, 772-775, 2009](#)
8. Structural Materials for Fusion Reactors
P. M. RAOLE, S. P. DESHPANDE and DEMO TEAM
[Transactions of the Indian Institute of Metals, 62, 105-111, 2009](#)
9. Signature of Fast H Atoms from Cathode Glow Region of a DC Discharge
P. BHARATHI, K. S. SURAJ, V. PRAHLAD, S. MUKHERJEE, and P. VASU
[Physics of Plasmas, 16, 053504, 2009](#)
10. Effect of the Curvature and the β Parameter on the Nonlinear Dynamics of a Drift Tearing Magnetic Island

M. MURAGLIA, O. AGULLO, M. YAGI, S. BENKADDA, P. BEYER, X. GARBET, S.-I. ITOH, K. ITOH and A. SEN

[Nuclear Fusion, 49, 055016, 2009](#)

11. A Comprehensive Gyrokinetic Description of Global Electrostatic Microinstabilities in a Tokamak

J. CHOWDHURY, R. GANESH, S. BRUNNER, J. VACLAVIK, L. VILLARD, and P. ANGELINO

[Physics of Plasmas, 16, 052507, 2009](#)

12. Nonlocal Analysis of the Excitation of the Geodesic Acoustic Mode by Drift Waves

P. N. GUZDAR, R. G. KLEVA, N. CHAKRABARTI, V. NAULIN, J. J. RASMUSSEN, P. K. KAW, and R. SINGH

[Physics of Plasmas, 16, 052514, 2009](#)

13. Principal Physics Developments Evaluated in the ITER Design Review

R.J. HAWRYLUK, D.J. CAMPBELL, G. JANESCHITZ, P.R. THOMAS, R. ALBANESE, R. AMBROSINO, C. BACHMANN, L. BAYLOR, M. BECOULET, I. BENFATTO, J. BIALEK, A. BOOZER, A. BROOKS, R. BUDNY, T. CASPER, M. CAVINATO, J.-J. CORDIER, V. CHUYANOV, E. DOYLE, T. EVANS, G. FEDERICI, M. FENSTERMACHER, H. FUJIEDA, K. G'AL, A. GAROFALO, L. GARZOTTI, D. GATES, Y. GRIBOV, P. HEITZENROEDER, T.C. HENDER, N. HOLTkamp, D. HUMPHREYS, I. HUTCHINSON, K. IOKI, J. JOHNER, G. JOHNSON, Y. KAMADA, A. KAVIN, C. KESSEL, R. KHAYRUTDINOV, G. KRAMER, A. KUKUSHKIN, K. LACKNER, I. LANDMAN, P. LANG, Y. LIANG, J. LINKE, B. LIPSCHULTZ, A. LOARTE, G.D. LOESSER, C. LOWRY, T. LUCE, V. LUKASH, S. MARUYAMA, M. MATTEI, J. MENARD, M. MEROLA, A. MINEEV, N. MITCHELL, E. NARDON, R. NAZIKIAN, B. NELSON, C. NEUMEYER, J.-K. PARK, R. PEARCE, R.A. PITTS, A. POLEVOI, A. PORTONE, M. OKABAYASHI, P.H. REBUT, V. RICCARDO, J. ROTH, S. SABBAGH, G. SAIBENE, G. SANNAZZARO, M. SCHAFFER, M. SHIMADA, A. SEN, A. SIPS, C.H. SKINNER, P. SNYDER, R. STAMBAUGH, E. STRAIT, M. SUGIHARA, E. TSITRONE, J. URANO, M. VALOVIC, M. WADE, J. WESLEY, R. WHITE, D.G. WHYTE, S. WU, M. WYKES and L. ZAKHAROV

[Nuclear Fusion, 49, 065012, 2009](#)

14. Symmetry Breaking Effects of Toroidicity on Toroidal Momentum Transport

J. WEILAND, R. SINGH, H. NORDMAN, P. KAW, A.G. PEETERS and D. STRINZI

[Nuclear Fusion, 49, 065033, 2009](#)

15. Thermal-hydraulic and Thermo-structural Analysis of First Wall for Indian DEMO Blanket Module

PARITOSH CHAUDHURI, CHANDAN DANANI, VILAS CHAUDHARI, C. CHAKRAPANI, R. SRINIVASAN, I. SANDEEP, E. RAJENDRA KUMAR, S.P. DESHPANDE

[Fusion Engineering and Design, 84, 573-577, 2009](#)

16. Thermal Structural Analysis of SST-1 Vacuum Vessel and Cryostat Assembly using ANSYS

PROSENJIT SANTRA, VIJAY BEDAKIHALE, TATA RANGANATH
[Fusion Engineering and Design, 84, 1708-1712, 2009](#)

17. Progress in Design and Integration of the ITER Electron Cyclotron H&CD System
C. DARBOS, M. HENDERSON, F. ALBAJAR, T. BIGELOW, T. BONICELLI, R. CHAVAN, G.G. DENISOV, D. FASEL, R. HEIDINGER, J.P. HOGGE, N. KOBAYASHI, B. PIOSCZYK, S.L. RAO, D. RASMUSSEN, G. SAIBENE, K. SAKAMOTO, K. TAKAHASHI, M. THUMM
[Fusion Engineering and Design, 84, 651-655, 2009](#)
18. Beamline Optimization for 100keV Diagnostic Neutral Beam (DNB) Injector for ITER
M. BANDYOPADHYAY, M.J. SINGH, C. ROTTI, A. CHAKRABORTY, R. HEMSWORTH, B. SCHUNKE
[IEEE Transactions on Plasma Science, 38, 242, 2010](#)
19. ITER ICRF System: R & D Progress and Technical Choices
B. BEAUMONT, T. GASSMANN, F. KAZARIAN, P. LAMALLE, D. RASMUSSEN, A. MUKHERJEE, U. BARUAH, R. SARTORI
[23rd IEEE/NPSS Symposium on Fusion Engineering, SOFE 2009; San Diego, 1 - 5 June 2009](#)
20. Analysis of Residual Ion Dump (RID) of Diagnostic Neutral Beam (DNB) injector for ITER
C. ROTTI, K. ACHARYA, M. BANDYOPADHYAY, M. SINGH, A.K. CHAKRABORTY, B. SRUSTI, G.P. REDDY
[23rd IEEE/NPSS Symposium on Fusion Engineering, SOFE 2009; San Diego, 1 - 5 June 2009](#)
21. Partial Discharge in High Voltage Equipments-HV Cable
J. JAMES, S.V. KULKARNI, B.R. PAREKH
[IEEE 9th International Conference on the Properties and Applications of Dielectric Materials, ICPADM 2009; Harbin; 19 - 23 July 2009](#)
22. A Lower Hybrid Current Drive System for ITER
G.T. HOANG, A. BECOULET, J. JACQUINOT, J.F. ARTAUD, Y.S. BAE, B. BEAUMONT, J.H. BELO, G. BERGER-BY, JOAO P.S. BIZARRO, P. BONOLI, M.H. CHO, J. DECKER, L. DELPECH, A. EKEDAHL, J. GARCIA, G. GIRUZZI, M. GONICHE, C. GORMEZANO, D. GUILHEM, J. HILLAIRET, F. IMBEAUX, F. KAZARIAN, C. KESSEL, S.H. KIM, J.G. KWAK, J.H. JEONG, J.B. LISTER, X. LITAUDON, R. MAGNE, S. MILORA, F. MIRIZZI, W. NAMKUNG, J.M. NOTERDAEME, S.I. PARK, R. PARKER, Y. PEYSSON, D. RASMUSSEN, P.K. SHARMA, M. SCHNEIDER, E. SYNAKOWSKI, A. TANGA, A. TUCCILLO and Y.X. WAN
[Nuclear Fusion, 49, 075001, 2009](#)
23. Experimental Study of Neutron Emission Characteristics in a Compact Sub-Kilojoule Range Miniature Plasma Focus Device
RISHI VERMA, R S RAWAT, P LEE, M KRISHNAN, S V SPRINGHAM and T L TAN
[Plasma Physics and Controlled Fusion, 51, 075008, 2009](#)

24. Fully Differential Cross Section for Single Ionization of Helium by 1 Kev Electrons in the Eikonal Approximation
R. DEY, A.C. ROY
[Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, 267, 2357-2360, 2009](#)
25. Diffuse Reflection Model and Noise Stabilization for Tangential Image Tomographic Reconstruction (TITR) Code
SANTANU BANERJEE and P. VASU
[Nuclear Fusion, 49, 075032, 2009](#)
26. Nonlinear Interaction of Electron Plasma Waves with Electron Acoustic Waves in Plasmas
NIKHIL CHAKRABARTI and SUDIP SENGUPTA
[Physics of Plasmas, 16, 072311, 2009](#)
27. Role of Natural Length and Time Scales on Shear Driven Two-Dimensional Electron Magnetohydrodynamic Instability
GURUDATT GAUR, SITA SUNDAR, SHARAD K. YADAV, AMITA DAS, PREDHIMAN KAW, and SARVESHWAR SHARMA
[Physics of Plasmas, 16, 072310, 2009](#)
28. Linearly Polarized Superluminal Electromagnetic Solitons in Cold Relativistic Plasmas
VIKRANT SAXENA, ABHIJIT SEN, and PREDHIMAN KAW
[Physical Review E, 80, 016406, 2009](#)
29. A Hierarchical Multi-Scale Method to Simulate Reactive–Diffusive Transport in Porous Media
A. RAI, M. WARRIER, R. SCHNEIDER
[Computational Materials Science, 46, 469-478, 2009](#)
30. Radiation Power Measurement on the ADITYA Tokamak
KUMUDNI TAHILIANI, RATNESHWAR JHA, M V GOPALKRISHANA, KALPESH DOSHI, VIPAL RATHOD, CHANDRESH HANSALIA and THE ADITYA TEAM
[Plasma Physics & Controlled Fusion, 51, 085004, 2009](#)
31. Importance of Collisions with the main Plasma Components for Impurity Anomalous Transport
S. MORADI, M.Z. TOKAR, R. SINGH and B. WEYSSOW
[Nuclear Fusion, 49, 085007, 2009](#)
32. Parametric Study of Expanding Plasma Plume Formed by Laser-Blow-Off of Thin Film using Triple Langmuir Probe
AJAI KUMAR, R. K. SINGH, JINTO THOMAS, and S. SUNIL
[Journal of Applied Physics, 106, 043306, 2009](#)
33. Short Wavelength Ion Temperature Gradient Mode and Coupling with Trapped Electrons

- J. CHOWDHURY, R. GANESH, J. VACLAVIK, S. BRUNNER, L. VILLARD, and P. ANGELINO
[Physics of Plasmas, 16, 082511, 2009](#)
34. Nonlinear Dynamics of Magnetic Islands Imbedded in Small-Scale Turbulence
M. MURAGLIA, O. AGULLO, S. BENKADDA, X. GARBET, P. BEYER, and A. SEN
[Physical Review Letters, 103, 145001, 2009](#)
35. Emission Analysis of Expanding Laser Produced Lithium Plasma Plume in Presence of Ambient Gas
H.C. JOSHI, V. PRAHLAD, R.K. SINGH, and AJAI KUMAR
[Physics Letters A, 373, 350-3353, 2009](#)
36. Evidence of Anomalous Resistivity for Hot Electron Propagation through a Dense Fusion Core in Fast Ignition Experiments
T YABUUCHI, A DAS, G R KUMAR, H HABARA, P K KAW, R KODAMA, K MIMA, P A NORREYS, S SENGUPTA and K A TANAKA
[New Journal of Physics, 11, 093031, 2009](#)
37. Investigation of Gas Puff Induced Fluctuation Suppression in ADITYA Tokamak
R JHA, A SEN, P K KAW, P K ATREY, S B BHATT, N BISAI, K TAHILIANI, R L TANNA and THE ADITYA TEAM
[Plasma Physics and Controlled Fusion, 51, 095010, 2009](#)
38. Instability Analysis in Aditya Tokamak Discharges with the help of Soft X-ray
ASIM KUMAR CHATTOPADHYAY and ADITYA TEAM
Proceedings of the 14th International Congress on Plasma Physics (ICPP2008), September 8-12, 2008, Fukuoka, Japan
[Journal of Plasma and Fusion Research SERIES, 8, 685-690, 2009](#)
39. An Overview of the ITER Electron Cyclotron H&CD System
M. HENDERSON, F. ALBAJAR, S. ALBERTI, U. BARUAH, T. BIGELOW, B. BECKET, R. BERTIZZOLO, T. BONICELLI, A. BRUSCHI, J. CAUGHMAN, R. CHAVAN, S. CIRANT, A. COLLAZOS, C. DARBOS, M. DE BAAR, G. DENISOV, D. FARINA, F. GANDINI, T. GASSMAN, T.P. GOODMAN, R. HEIDINGER, J.P. HOGGE, O. JEAN, K. KAJIWARA, W. KASPAREK, A. KASUGAI, S. KERN, N. KOBAYASHI, J.D. LANDIS, A. MORO, C. NAZARE, J. ODA, I. PAGANAKIS, P. PLATANIA, B. PLAUM, E. POLI, L. PORTE, B. PIOSZYK, G. RAMPONI, S.L. RAO, D. RASMUSSEN, D. RONDEN, G. SAIBENE, K. SAKAMOTO, F. SANCHEZ, T. SCHERER, M. SHAPIRO, C. SOZZI, P. SPAEH, D. STRAUS, O. SAUTER, K. TAKAHASHI, A. TANGA, R. TEMKIN, M. THUMM, M.Q. TRAN, H. ZOHN, C. ZUCCA
[34th International Conference on Infrared, Millimeter, and Terahertz Waves, IRMMW-THz 2009, Busan, 21 - 25 September 2009](#)
40. Paul Trap for Pure Positron Plasma - A Prelude to Electron-Positron Plasma in a Laboratory
M. BAJPAI, L.T. LACHHVANI, Y.C. SAXENA

[15th International Conference on Positron Annihilation, ICPA-15; Kolkata; 18 - 23 January 2009](#)

[Physica Status Solidi \(C\), 6, 2456-2458, 2009](#)

41. Boron Spectral Line Ratios Helpful to Characterize Wall Conditioned Tokamak Plasmas
BISHU AGARWAL, RAM PRAKASH, JALAJ JAIN, VINAY KUMAR and P VASU
[Physica Scripta, 80, 055505, 2009](#)
42. ETG Turbulence Effects on the Evolution of an NTM
A. SEN, R. SINGH, D. CHANDRA, P. KAW and D. RAJU
[Nuclear Fusion, 49, 115012, 2009](#)
43. ECRH System for ITER
C. DARBOS, M. HENDERSON, F. ALBAJAR, T. BIGELOW, T. BOMCELLI, R. CHAVAN, G. DENISOV, D. FARINA, F. GANDINI, R. HEIDINGER, T. GOODMAN, J. P. HOGGE, K. KAJIWARA, A. KASUGAI, S. KERN, N. KOBAYASHI, Y. ODA, G. RAMPONI, S. L. RAO, D. RASMUSSEN, T. RZESNICKI, G. SAIBENE, K. SAKAMOTO, O. SAUTER, T. SCHERER, D. STRAUSS, K. TAKAHASHI, and H. ZOHMK
[Proceedings of the 18th Topical Conference on Radio Frequency Power in Plasmas; AIP Conference Proceedings, 1187, 531-538, 2009](#)
44. Effect of External Drive on Strongly Coupled Yukawa Systems: A Nonequilibrium Molecular Dynamics Study
ASHWIN J. and R. GANESH
[Physical Review E, 80, 056408, 2009](#)
45. Meeting Report: Lunar and Planetary Science Conference
DEEPAK DHINGRA and RAJANI DEEPAK DHINGRA
[Current Science, 97, 1403-1404, 2009](#)
46. Low-frequency Fluctuations in a Pure Toroidal Magnetized Plasma
P.K. SHARMA, R. SINGH, D. BORA
[Pramana - Journal of Physics, 73, 1073-1086, 2009](#)
47. Realization of Enhancement in Time Averaged Neutron Yield by using Repetitive Miniature Plasma Focus Device as Pulsed Neutron Source
RISHI VERMA, R S RAWAT, P LEE, S V SPRINGHAM, T L TAN AND M KRISHNAN
[Journal of Physics D: Applied Physics, 42, 235203, 2009](#)
48. Molecular Dynamics Simulations of Synergistic Erosion of Amorphous Hydrocarbon Films
U VON TOUSSAINT, P N MAYA, C HOPF and M SCHLUTER
[Physica Scripta, 138, 014018, 009](#)
49. Design of an Ion Extractor System for a Prototype Ion Source Experiment for SST-1 Neutral Beam Injector
M.R. JANA, M. BANDYOPADHAYA, N.P. SINGH, S.K. SHARMA, A.K. CHAKRABORTY, U.K. BARUAH and S.K. MATTOO

[Fusion Engineering and Design, 85, 122-125, 2010](#)

50. Physics Design of a 100 keV Acceleration Grid System for the Diagnostic Neutral Beam for International Tokamak Experimental Reactor
M. J. SINGH and H. P. L. DE ESCH
[Review of Scientific Instruments, 81, 013305, 2010](#)
51. Radial Characterization of Wave Magnetic Field Components during Helicon Discharge in a Small Aspect Ratio Torus
MANASH KUMAR PAUL and DHIRAJ BORA
[Journal of Plasma Physics, 76, 39-48, 2010](#)
52. Electron Velocity Shear Driven Instability in Relativistic Regime
SITA SUNDAR and AMITA DAS
[Physics of Plasmas, 17, 022101, 2010](#)
53. Miniature Plasma Focus as a Novel Device for Synthesis of Soft Magnetic FeCo Thin Films
Z.Y. PAN, R.S. RAWAT, R. VERMA, J.J. LIN, H. YAN, R.V. RAMANUJAN, P. LEE, S.V. SPRINGHAM, T.L. TAN
[Physics Letters A, 374, 1043-1048, 2010](#)
54. Analysis of Axial Neutron Emission Pulse from a Plasma Focus Device
T.K. BORTHAKUR, A. SHYAM
[Indian Journal of Pure and Applied Physics, 48, 100-103, 2010](#)
55. Stress, Texture and Phase Transformation in Titanium Thin Films
JAY CHAKRABORTY, KISHOR KUMAR, R. RANJAN, SANDIP GHOSH CHOWDHURY, S.R. SINGH
[Diffusion and Defect Data Pt. B: Solid State Phenomena, 160, 109-116, 2010](#)
56. Diagnostic Neutral Beam for ITER-Concept to engineering
A. CHAKRABORTY, C. ROTTI, M. BANDYOPADHYAY, M.J. SINGH, R. GANGADHARAN NAIR, S. SHAH, U.K. BARUAH, R.S. HEMSWORTH, B. SCHUNKE
[IEEE Transactions on Plasma Science, 38, 248-253, 2010](#)
57. Effect of magnetic field on the expansion dynamics of laser-blow-off generated plasma plume: Role of atomic processes
A. KUMAR, R.K. SINGH, V. PRAHLAD, H.C. JOSHI
[Laser and Particle Beams, 28, 21-127, 2010](#)
58. Effect of Ambient Gas on the Expansion Dynamics of Plasma Plume Formed by Laser Blow Off of Thin Film
SONY GEORGE, AJAI KUMAR, R.K. SINGH, and V.P.N. NAMPOORI
[Applied Physics A: Materials Science & Processing, 98, 901-908, 2010](#)
59. Kondo Scaling of the Pseudogap in $\text{CeOs}_4\text{Sb}_{12}$ and $\text{CeFe}_4\text{P}_{12}$

P A RAYJADA, A CHAINANI, M MATSUNAMI, M TAGUCHI, S TSUDA, T YOKOYA,
S SHIN, H SUGAWARA and H SATO

[Journal of Physics: Condensed Matter, 22, 095502, 2010](#)

60. Nonlinear Wave Propagation in Strongly Coupled Dusty Plasmas
B. M. VEERESHA, S. K. TIWARI, A. SEN, P. K. KAW, and A. DAS
[Physical Review E, 81, 036407, 2010](#)
61. A Reconfigurable Plasma Antenna
RAJNEESH KUMAR and DHIRAJ BORA
[Journal of Applied Physics, 107, 053303, 2010](#)
62. Surfactant-Assisted Synthesis of Cd_{1-x}CoxS Nanocluster Alloys and their Structural, Optical and Magnetic Properties
R. SATHYAMOORTHY, P. SUDHAGAR, A. BALERNA, C. BALASUBRAMANIAN, S. BELLUCCI, A.I. POPOV, K. ASOKAN
[Journal of Alloys and Compounds, 493, 240-245, 2010](#)
63. Development of CCD Controller for Scientific Application
M S KHAN, F M PATHAN, U V SHAH, D H MAKWANA and B G ANANDARAO
[Journal of Physics: Conference Series, 208, 012002, 2010](#)
64. Development of Cast Resin Multisecondary 1600kVA Transformer for Regulated High Voltage Power Supply- A Prototype
V TRIPATHI, N P SINGH, L N GUPTA, KAPIL OZA, PARESH PATEL and U K BARUAH
[Journal of Physics: Conference Series, 208, 12005, 2010](#)
65. CAMAC Based Test Signal Generator Using Re-configurable Device
A. SHARMA, T. RAVAL, A.K. SRIVASTAVA, D. CHENNA REDDY
[Journal of Physics: Conference Series, 208, 012006, 2010](#)
66. Performance Test Results of Ion Beam Transport for SST-1 Neutral Beam Injector
M. R. JANA, S K MATTOO and R UHLEMANN
[Journal of Physics: Conference Series, 208, 012008, 2010](#)
67. Operational Experience of SST1 NBI Control System with Prototype Ion Source
V B PATEL, P J PATEL, N P SINGH, G B PATEL, RAJA ONALI, V TRIPATHI, D THAKKAR, L N GUPTA, V PRAHLAD, S K SHARMA, M BANDYOPADYAY, A K CHAKRABORTY, U K BARUAH and S K MATTOO (NBI TEAM)
[Journal of Physics: Conference Series, 208, 012009, 2010](#)
68. Mesh Sensitivity Study and Optimization of Fixed Support for ITER Torus and Cryostat Cryoline
S BADGUJAR, H VAGHELA, N SHAH, R BHATTACHARYA and B SARKAR
[Journal of Physics: Conference Series, 208, 012010, 2010](#)

69. Philosophy of Stress-strain Measurement for Proto-type Cryo-line of ITER
R BHATTACHARYA, H VAGHELA, N SHAH, S BADGUJAR and B SARKAR
[Journal of Physics: Conference Series, 208, 012011, 2010](#)
70. Design Aspects of 13.56MHz, 1kW, CW-RF Oscillator for Plasma Production
SUNIL KUMAR, BHAVESH KADIA, RAJ SINGH, ATUL VARIA, Y S S SRINIVAS and S V KULKARNI (ICRH-RF GROUP)
[Journal of Physics: Conference Series, 208, 012012, 2010](#)
71. Design and Development of 1 KW Solid State RF Amplifier
GAYATRI ASHOK, BHAVESH KADIA, PRAGYA JAIN and S V KULKARNI (ICRH-RF GROUP)
[Journal of Physics: Conference Series, 208, 012013, 2010](#)
72. Generation of Multiple Analog Pulses with Different Duty Cycles within VME Control System for ICRH Aditya System
RAMESH JOSHI, MANOJ SINGH, H M JADAV, KISHOR MISRA and S V KULKARNI (ICRH-RF GROUP)
[Journal of Physics: Conference Series, 208, 012014, 2010](#)
73. Automatic Impedance Matching Network for ICRH-RF Experiments on SST-1
R JOSHI, M SINGH, H M JADAV, D PUROHIT, SIJU GEORGE, K RAJNISH, RAJ SINGH and S V KULKARNI (ICRH-RF GROUP)
[Journal of Physics: Conference Series, 208, 012015, 2010](#)
74. 60kV, 10Amp DC Power Supply Multiple Input Control and Monitoring Provision for the Operation of Various High Power RF Generation Systems
KIRIT M PARMAR, Y S S SRINIVAS and S V KULKARNI (ICRH-RF GROUP)
[Journal of Physics: Conference Series, 208, 012016, 2010](#)
75. Conditioning Technique for High Power RF Vacuum Transmission Line Components using Multipactor Plasma
KISHORE MISHRA, D RATHI, SIJU GEORGE, ATUL VARIA, M PARIHAR, H M JADAV, Y S S SRINIVAS, RAJ SINGH, SUNIL KUMAR and S V KULKARNI
[Journal of Physics: Conference Series, 208, 012017, 2010](#)
76. Liquid Phase Shifter for ICRH for Long Pulse Operation at SST-1
RAJ SINGH, SUNIL DANI and S V KULKARNI (ICRH-RF GROUP)
[Journal of Physics: Conference Series, 208, 012018, 2010](#)
77. Conceptual Design of Automation of ICRH Vacuum System on Aditya Tokamak
DHARMENDRA RATHI, KISHORE MISHRA, RAMESH JOSHI, H M JADAV and S V KULKARNI (ICRH-RF GROUP)
[Journal of Physics: Conference Series, 208, 012019, 2010](#)
78. Development of Pre Pre-driver Amplifier Stage for Generator of SST-1 ICRH System

SUNIL KUMAR, AZAD SINH MAKWANA, Y S S SRINIVAS and S V KULKARNI
(ICRH-RF GROUP)

[Journal of Physics: Conference Series, 208, 012020, 2010](#)

79. Design and Fabrication of a High Tc BSCCO Based Square Helmholtz Coil
NAYAK PRAMODA K, PRASAD U, AMARDAS A, PATEL D and PRADHAN S
[Journal of Physics: Conference Series, 208, 012021, 2010](#)
80. CAMAC Based 4-channel 12-bit Digitizer
A.K. SRIVASTAVA, A. SHARMA, T. RAVAL, D. CHENNA REDDY
[Journal of Physics: Conference Series, 208, 012022, 2010](#)
81. Design of Telescopic Stub Tuner of 1 5/8" Transmission Line
ATUL VARIA, RAJ SINGH and S V KULKARNI (RF GROUP)
[Journal of Physics: Conference Series, 208, 012023, 2010](#)
82. Development of Multi-Channel High Power Rectangular RF Window for LHCD System
Employing High Temperature Vacuum Brazing Technique
P K SHARMA, K K AMBULKAR, P R PARMAR, C G VIRANI, A L THAKUR, L M
JOSHI AND S C NANGRU
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