

A. Journal Articles

1. Ahuja B.L.*, Sharma B.K.*, Mathur S.*, Heda N.L.*, Itou M.*, Andrejczuk A.*, Sakurai Y.*, Chakrabarti A., Banik S.*, Awasthi A.M.*, Barman, S.R.*
Magnetic Compton scattering study of Ni_{2-x}Mn_{1-x}Ga ferromagnetic shape-memory alloys.
Physical Review B **75**, 134403-1-9, (2007)
2. Banik S.*, Rajan R.*, Chakrabarti A., Bhardwaj S.*, Lalla N.P.*, Awasthi A.M.*, Sathe V.*, Phase D.M.*, Mukhopadhyay P.K.*, Pandey D.*, Barman S.R.*
Structural studies of Ni_{2-x}Mn_{1-x}Ga by powder x-ray diffraction and total energy calculations.
Physical Review B **75**, 104107-1-9, (2007)
3. Bansal B.*, Dixit V.K., Venkataraman V.*, Bhat H.L.*
Alloying induced degradation of the absorption edge InAs_xSb_{1-x}.
Applied Physics Letters **90**, 101905-1-3, (2007)
4. Bhalerao G.M., Waugh S., Ingale A., Sinha A.K., Babu M., Tiwari P., Nandedkar R.V.
SEM and Raman spectroscopy studies of MWCNT grown by novel technique of ash supported catalyst.
Journal of Nanoscience and Nanotechnology **90**, 1860-1866, (2007)
5. Bhatt R., Ganesamoorthy S., Karnal A.K., Wadhawan V.K.*
Growth rate anisotropy and absorption studies on B-BaB₂O₄ single crystals grown by the top-seeded solution growth technique
Optical Materials **29**, 801-5, (2007)
6. Bhaumik I., Singh G., Ganeshmoorthy S., Karnal A.K., Tiwari M.K., Tiwari V.S.
Compositional variation in 0.65 PbMg_{2/3}Nb_{1/3}O₃-0.35PbTiO single crystals grown by high temperature solution growth technique
Crystal Research and Technology **42**, 356-60, (2007)
7. Bindra K.S., Singh, C.P., Oak S.M.
Direct measurement of free carrier nonlinearity in semiconductor-doped glass with picosecond pump-probe Z-scan experiment
Optics Communications **271**, 248-52, (2007)
8. Borage M., Tiwari S., Kotaiah S.
LCL-T resonant converter with clamp diodes: a novel constant-current power supply with inherent constant-voltage limit
IEEE Transactions on Industrial Electronics **54**, 741-746, (2007)
9. Chakera J.A., Kumbhare S.R., Naik P.A., Gupta P.D.
Narrow band x-ray emission in the water-window spectral region from a laser heated gold copper mix-Z plasma.
Applied Physics B **86**, 519-522, (2007)
10. Chakraborty A. L., Sharma R. K., Saxena M. K., Kher S.
Compensation for temperature dependence of Stokes signal and dynamic self-calibration of a Raman distributed temperature sensor.
Optics Communications **274**, 396-402, (2007)
11. Chandrasekar P.*, Balusamy V.*, Chandran Ravi K.S.* Kumar H.
Laser surface hardening of titanium-titanium boride (Ti-TiB) metal matrix composite.
Scripta Materialia **56**, 641-644, (2007)
12. Chatterjee S., Kumar Pawan Y.
Measurement of residual wedge angle with a reversal shear interferometer
Optics & Laser Technology **39**, 662-668, (2007)
13. Chatterjee S., Kumar Pawan Y.
Simple technique for the generation of plane surface normal to optic axis direction of uniaxial crystal.
Applied Optics **46**, 1435-1445, (2007)
14. Chatterjee S., Kumar Pawan Y. Bhaduri B.*
Measurement of surface figure of plane optical surfaces with polarization phase-shifting Fizeau interferometer
Optics & Laser Technology **39**, 268-274, (2007)
15. Chowdhury A., Joshi R.A., Naik P.A., Gupta P.D.
Optimization of C⁵⁺ Balmer-a line intensity at 182 Å from laser-produced carbon plasma.
Pramana: J. of Physics **68**, 43-49, (2007)
16. Dhanuskodi S.*, Jeyakumari A.P.*, Manivannan S.*, Philip J.*, Tiwari S.K.
Semiorganic nonlinear optical material for frequency doubling: Preparation and properties of sodium p-nitrophenolate dihydrate (SPNP).
Spectrochimica Acta A **66**, 318-322, (2007)
17. Ganeev R.A.*, Naik P.A., Singhal H., Chakravarty U., Arora V., Chakera J.A., Raghuramaiah M., Khan R.A., Kumbhare S.R., Kushwaha R.P., Gupta, P.D.
Control of the intensity of the single harmonic generated in laser plasma using the chirp variation in femtosecond pulse.
Optics & Spectroscopy **102**, 949-959, (2007)

18. Ganeev R.A.*, Singhal H., Naik P.A., Chakravarty U., Arora V., Chakera J.A., Khan R.A., Raghuramaiah M., Kumbhare S.R., Kushwaha R.P., Gupta, P.D. Optimization of the high-order harmonics generated from silver plasma
Applied Physics B: Lasers and Optics 87, 243-247, (2007)
19. Ganeev R.A.*, Chakravarty U., Naik P.A., Srivastava H., Mukherjee C., Tiwari M.K., Nandedkar R.V., Gupta P.D. Pulsed laser deposition of metal films and nanoparticles in vacuum using subnanosecond laser pulses.
Applied Optics 46, 1205-1210, (2007)
20. Ganeev R.A.*, Naik P.A., Singhal H., Chakera J.A., Gupta, P.D. Strong enhancement and extinction of single harmonic intensity in the mid- and end- plateau regions of the high harmonics generated in low-excited laser plasmas.
Optics Letters 32, 65-67, (2007) also in *Virtual Journal of Ultrafast Science* (2007)
21. Ganeev R.A.*, Rysanyansky A.I.*, Chakravarty U., Naik P.A., Srivastava H., Tiwari M.K., Gupta, P.D. Structural, optical and non-linear properties of indium nanoparticles prepared by laser ablation.
Applied Physics B 86, 337-341 (2007)
22. Ganeev R.A.*, Naik P.A., Singhal H., Chakera J.A., Gupta P.D. Tuning of the high-order harmonics generated from laser plasma plumes and solid surfaces by varying the laser spectrum, chirp, and focal position.
Journal of the Optical Society of America B: Optical Physics, 24, 1138-42, (2007)
23. Gardelis S.*, Androulakis J.*, Viskadourakis Z.*, Papadopoulou E.L.*, Giapintzakis J.*, Rai S., Lodha G.S., Roy S.B. Magneto-transport properties of NiMnSb thin films on InSb single crystal: negative giant magnetoresistance
Physica Status Solidi A 204, 92-98, (2007)
24. Gaur A*, Sharma D.K.*, Ahlawat D.K.*, Singh N. Multiphoton photoconductivity and optical nonlinearities in ZnSe and CdSe direct band gap crystals.
Journal of Optics A: Pure and Applied Optics 9, 260-264, (2007)
25. Gaur A.*, Sharma D.K.*, Ahlawat D.K.*, Singh N. Optical nonlinearities in direct and indirect band gap crystals on the Z-scan technique with nanosecond laser
Solid State Communications, 141, 445-448, (2007)
26. George J., Ranganathan K., Nathan T.P.S.* An alternative method to specify the degree of resonator stability
Pramana: Journal of Physics 68, 4, 571-580, (2007)
27. Ghosh, H. Excited state nonlinear optics of quasi-one-dimensional Mott-Hubbard insulators.
Physical Review B 75, 235127-1-12, (2007)
28. Gupta P. K., Kush P.K., Tiwari A. Design and optimization of coil finned-tube heat exchangers for cryogenic applications.
Cryogenics 47, 322-332, (2007)
29. Ingale A., Pal S., Dixit V.K., Tiwari P. Micro Raman and photoluminescence spectroscopy of nano-porous n and p type GaN/sapphire (0001)
Journal of Nanoscience & Nanotechnology 7, 2186-2191, (2007)
30. Jain S.K., Jain A., Hannurkar P.R., Kotaiah S. Characterization of plasma parameters, first beam results, and status of electron cyclotron resonance source
Review of Scientific Instruments 78, 053301-1-6, (2007)
31. Jaiswal A., Rai S., Tiwari M.K., Reddy V.R.*, Lodha G.S., Nandedkar R.V. Effect of Si layer thickness on the structural properties of a Co/Si multilayer system.
Journal of Physics: Condensed Matter 19, 016001-1-12, (2007)
32. Kar S., Choubey R.K., Sen P.*, Bhagavannarayana G.*, Bartwal K.S. Studies on codoping behavior of Nd:Mg:LiNbO₃ crystals.
Physica B: Condensed Matter 1-2, 37-42, (2007)
33. Karnal A.K., Bhaumik I., Ganesamoorthy S., Bhatt R., Saxena A., Wadhawan V.K.*, Bhat H.L.* Growth and calorimetric measurements on CsLiB₆O₁₀.
Materials Letters 61, 600-604, (2007)
34. Kaul R., Ganesh P., Singh N., Jagdheesh R., Bhagat M.S., Kumar H., Tiwari P., Vora H. S. Nath A.K. Effect of active flux addition on laser welding of

- austenitic stainless steel
Science and Technology of Welding and Joining 12, 127-137 (2007)
35. Khare J., Kaul R., Ganesh P., Kumar H., Jagdhees R., Nath A.K.
Laser beam shaping for microstructural control during laser surface melting.
Journal of Laser Applications 19, 1-7, (2007)
36. Kumar M., Khare J., Gupta C., Nath A.K.
Theoretical and experimental study of V-I characteristics of UV pre-ionized TEA CO₂ laser for variety of laser gas mixtures
Optics & Laser Technology 39, 129-3, (2007)
37. Kumar M., Khare J., Nath A.K.
Numerical solution of Boltzmann transport equation for TEA CO₂ laser having nitrogen-lean gas mixtures to predict laser characteristics and gas lifetime.
Optics & Laser Technology 39, 86-93, (2007)
38. Kumar S., Phase D.M.*, Porwal S., Sharma T.K.
Surface photovoltage and photoelectron spectra of GaP.
Solid State Communications 141, 5, 284-287, (2007)
39. Kumar U.K.*, Prathyusha V.A.*, Babu P.*, Jayasankar C.K.*, Joshi A.S., Speghini A.*, Bettinelli, M.*
Fluorescence properties of Nd³⁺-doped tellurite glasses.
Spectrochimica Acta Part A 67, 702-708, (2007)
40. Mishra S.R., Ram S.P., Banerjee Arup
Collective modes of a quasi-two-dimensional Bose condensate in large gas parameter regime
Pramana: Journal of Physics 68, 913-924, (2007)
41. Mohanty S.K., Verma R.S., Gupta P.K.
Trapping and controlled rotation of low-refractive-index particles using dual line optical tweezers.
Applied Physics B: Lasers and Optics 87, 211-215, (2007)
42. Naik P.A., Gupta P.D.
Studies planned at RRCAT, Indore on laser-plasma based electron acceleration
International Journal of Modern Physics B 21, 459, (2007)
43. Nanda D., Oak M.S., Pravin Kumar M.
Acrylic acid grafted PVC membrane based ion selective electrode for calcium and hardness measurement of water.
Indian Journal of Chemistry, Section A 46, 258-262, (2007)
44. Pal S., Ingale A., Dixit V.K., Sharma T.K., Porwal S., Tiwari P., Nath A.K.
A comparative study on nanotextured high density Mg-doped and undoped GaN.
Journal of Applied Physics 101, 4, 044311-1-7, (2007)
45. Pande S.K.*, Kumar Ravi D.*, Kumar H., Nath A.K.
Characterization of tensile properties of tailor welded IF steel sheets and their formability in stretch forming.
Journal of Materials Processing Technology 183, 321-332, (2007)
46. Paul C.P., Ganesh P., Mishra S.K., Bhargava P., Negi J.*, Nath A.K.
Investigating laser rapid manufacturing for Inconel-625 components.
Optics & Laser Technology 39, 800-805, (2007)
47. Pavan Kumar Y., Chatterjee S.
Noncontact thickness measurement of plane-parallel transparent plates with a lateral shearing interferometer
Optical Engineering 46, 035602-1-5, (2007)
48. Petwal V.C., Senecha V.K., Subbaiah K.V.*, Soni H.C., Kotaiah, S.
Optimization studies of photo-neutron production in high-Z metallic targets using high energy electron beam for ADS and transmutation.
Pramana: Journal of Physics 68, 235-241, (2007)
49. Raj Mohan S., Joshi M.P., Tiwari S.K., Dixit V.K., Dhani T.S.
Electrical and optical characterization of photooxidized TPD
Journal of Materials Chemistry 17, 343-8, (2007)
50. Rajendiran P., Bhushan I.
Automated current awareness service using RSS web feed.
Knowgenesis International Journal for Technical Communication 2, 44-47, (2007)
51. Rajendiran P., Parihar Y.S.
A bibliometric study of laser literature in India, 1995-2005
Annals of Library and Information Studies 54, 112-118, (2007)

52. Ranganathan K., Misra P., Nath A.K.
Thin Nd:YAG slab laser pumped by lens duct coupled diode laser stacks.
Applied Physics B: Lasers and Optics 86, 215-217, (2007)
53. Rao R.V. Subba*, Parvathavarthini N.*, Pujar M.G.*, Dayal R.K.*, Khatak H.S.*, Kaul R., Ganesh P., Nath A.K.
Improved pitting corrosion resistance of cold worked and thermally aged AISI Type 316L(N) SS by laser surface modification
Surface Engineering 23, 83-92, (2007)
54. Rawat A., Vyavahare P.D.*, Ramani A.K.*
Enhanced DSR for MANET with improved secured route discovery and QoS
International Journal on Network Security 5, 158-166, (2007)
55. Roy S.B., Chattopadhyay M.K., Banerjee A.*, Chaddah P.*, Moore J.D.*, Perkins G.K.*, Cohen L.F.*, Gschneidner K.A.*, Pecharsky V.K.*
Devitrification of the low temperature magnetic-glass state in Gd_2Ge_4
Physical Review B 75, 18, 184410-1-7, (2007)
56. Sharma A.K., Mishra, K.K., Raghuramaiah, M., Naik P.A., Gupta P.D.
Design and performance characteristics of an electromagnetic interference shielded enclosure for high voltage Pockels cell switching system.
Sadhana 32, 235-242, (2007)
57. Sharma A.K., Naik P.A., Gupta P.D.
Real-time autocorrelator with enhanced temporal scan range for measurements of ultrashort laser pulses
Optics & Laser Technology 39, 465-469, (2007)
58. Sharma A.K., Joshi R.A., Patidar R.K., Naik P.A., Gupta P.D.
A simple highly stable and temporally synchronizable Nd:glass laser delivering laser pulses of variable pulse: duration from sub-nanosecond to few nanoseconds
Optics Communications 272, 455-60, (2007)
59. Sharma A.K., Naik P.A., Gupta P.D.
Simultaneous visual detection of pulse chirp and temporal asymmetry in ultrashort laser pulses using analysis of unbalanced interferometric correlation envelope (ICE) functions.
Applied Physics B: Lasers and Optics 87, 655-663, (2007)
60. Sharma A.K., Naik P.A., Gupta P.D.
A study on polarization dependence of quadratic photocurrent in light emitting diodes using real time cross-polarized autocorrelation signals.
Applied Physics B: Lasers and Optics 88, 67-73, (2007)
61. Sharma M., Verma Y., Rao K. D., Nair R.* Gupta P. K.
Imaging growth dynamics of tumor spheroids using optical coherence tomography.
Biotechnology Letters 29, 273-278 (2007).
62. Sharma V.K., Chattopadhyay M.K., Roy S.B.
Large inverse magnetocaloric effect in $Ni_{50}Mn_{24}In_{16}$.
Journal of Physics D: Applied Physics 40, 1869-1873, (2007)
63. Sharma V.K., Chattopadhyay M.K., Kumar Ravi, Ganguli T., Kaul R., Majumdar S.* Roy S.B.
Magnetic and calorimetric investigations of ferromagnetic shape memory alloy $Ni_{54}Fe_{19}Ga_{27}$.
Journal of Physics D: Applied Physics 40, 3292-3299, (2007)
64. Singh C.P., Bindra K.S., Oak S.M.
Analysis of effect of excitation pulse characteristics on numerical simulation of reverse saturable absorption
Optics Communications 269, 223-29, (2007)
65. Singh G., Bhaumik I., Ganesamoorthy S., Karnal A.K., Tiwari V.S.
Domain structure and birefringence studies on a $0.91Pb(Zn_{1/3}Nb_{2/3})O_3-0.09PbTiO_3$ single crystal
Crystal Research and Technology 42, 378-83, (2007)
66. Singh G., Tiwari V.S.
Crystallographic phase change in relaxor to ferroelectric behavior in (1-x)PMP-xPZ ceramics
Journal of Applied Physics 101, 014115-1-7, (2007)
67. Singh N., Vora H.S.
The spectral measurement of a high repetition rate tunable dye laser output using Fabry-Perot fringe.
Optics & Laser Technology 39, 733-737, (2007)
68. Soni R.K., Mandloie V.K., Pote M.B., Nath A.K.
Spinning cone water film power meter for high-power CO_2 lasers
Optics & Laser Technology 39, 196-201, (2007)
69. Srikanth G., Nath A.K.
Analysis of tuning of Bragg wavelength of photo-written fiber Bragg gratings during inscription

process using a biprism
Applied Optics 46, 2197-2204, (2007)

70. Tiwari M.K., Nayak M., Lodha G.S., Nandedkar R.V.
Determination of x-ray compression efficiency of a thin film x-ray waveguide structure using marker layer fluorescence
Spectrochimica Acta B 62, 137-144, (2007)
71. Verma Y., Rao K.D., Suresh M.K., Patel H.S., Gupta P.K.
Measurement of gradient refractive index profile of crystalline lens of fish eye in vivo using optical coherence tomography.
Applied Physics B: Lasers and Optics 87, 607-610, (2007)
72. Viswanathan A.*, Sastikumar D.*, Rajarajan P.*, Kumar H., Nath A.K.
Laser irradiation of AISI 316L stainless steel coated with Si₃N₄ and Ti
Optics & Laser Technology 39, 1504-1513, (2007)
73. Viswanathan A.*, Sastikumar D.*, Kamachimudali U.*, Kumar H., Nath A.K.
TiC reinforced composite layer formation on Al-Si alloy by laser processing
Surface Engineering 23, 123-128, (2007)

B. Invited Talks

1. Bindra K.S.
Nonlinear optical properties of semiconductor nanoparticles
National Conference on Recent Trends in Optoelectronics & Laser Technology
Thiruvananthapuram, April, 2007.
2. Gupta P.D.
Ultra-intense laser plasma interaction studies at RRCAT.
Inter-University Accelerator Centre, New Delhi, May, 2007
3. Ingale A.
Raman and PL spectroscopy of semiconductor nanostructures
National seminar on Theoretical and Experimental techniques in Nanoscience & Nanotechnology, Chandigarh, March, 2007
4. Rajan A.
Parallel Processing
Military College of Telecommunication Engineering, Mhow, March, 2007
5. Rao K.D.

Optical coherence tomography
Seminar on Lasers in medicine and biosciences, Dharwad, March, 2007.

6. Senecha V.K.
Neutron shielding studies for 10-100 MeV electron beam using Monte Carlo simulation technique
National Conference on Accelerator and Low Level Radiation Safety, New Delhi, April, 2007.

C. Seminars / Conference Presentations

- C1. **4th Asian Particle Accelerator Conference (APAC07), Indore, Jan-Feb, 2007**
 1. Agrawal R.K., Chauhan A., Singh G., Saifee K., Seema M., Fatnani P., Husain R., Sheth Y.
Implementation and experience of energy ramping for Indus-2
p. 443-445
 2. Banwari R., Kasliwal A., Kumar A., Upadhyay A., Nath P.R., Kotaiah S., Pandit T.G.
300 KV, 6 KW power supply system for self-shielded low energy dc accelerator at RRCAT Indore
p. 679-681
 3. Bapna S.C., Banwari R., Borage M., Kasliwal A., Kotaiah S., Kumar A., Kumar P., Promod R., Tiwari S., Venkateswaran S.V.
High power industrial electron accelerator
p. 824-826
 4. Bhanage V., Dwivedi J., Jain A.K., Khare P., Kotaiah S., Kush P.K., Kumar A., Prabhu S.S., Puntambekar A.M., Rawat A., Sahni V.C., Sharma A., Shridhar R., Shrivastava P., Singh G., Sadhu R.K.*
Indian participation in LHC, SPL and CTF-3 projects at CERN, Switzerland
p. 629-631
 5. Biswas B., Lal S., Pant K.K., Kumar A., Krishnagopal S.
Thermal simulations of a photocathode R.F. gun
p. 482-484
 6. Borage M., Tiwari S., Kotaiah S.
Study and comparison of reactive power compensation schemes for air-core transformer in ELV-type DC accelerators
p. 688-690
 7. Chauhan A., Merh B., Fatnani P., Gangopadhaya S.
Control system for beam diagnostic system of Indus-2
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8. Chouksey S., Kotaiah S., Prabhu S.S., Sridhar R, Prasad V., Shukla S.K., Yadav D.P.
Installation and integration of Indus-2
p. 782-784
9. Chouksey S., Krishnagopal S., Kumar V., Lal S., Pant K.K., Prasad V.
Mechanical engineering challenges in the development of the FEL at RRCAT
p. 479-481
10. Dutta S., Dwivedi J., Kumar A., Sandha R.S., Soni H.C., Bapna S.C., Kotaiah S., Poncet A.*, Skoczen B.*, Garion C.*
Mechanical coupling between the LHC cryogenic distribution line and the short straight section housing the superconducting quadrupole - theoretical analysis and experimental validation
p. 758-760
11. Fakhri A.A., Singh G.
A Hamiltonian for wave length shifter and its studies on Indus-1
p. 199-201
12. Fakhri A.A., Singh G.
Injection optimisation for Indus-2
p. 184-186
13. Haridas G., Nayak M.K., Dev V., Verma D., Thakkar K.K.
Radiation safety considerations of the operation of Indus-1 synchrotron radiation source
p. 121-123
14. Husain R., Ghodke A.D., Singh G.
Analysis and correction of the measured COD in Indus-2
p. 351-353
15. Jain A., Sharma D.K., Gupta A.K., Hannurkar P.R.,
High-power, low-loss, radial RF power dividers/combiners
p. 520-522
16. Kasliwal A., Banwari R., Kotaiah S., Pandit T.G., Upadhyay A.
Utilizing multiplier stack's reflected parasitic capacitance to achieve ZVS operation of resonant inverter for 750 keV DC accelerator
p. 677-678
17. Kumar A., Senecha V.K., Kotaiah S.
Simulation of non-uniform high density electronegative plasma for optimization of H- Ion and their extraction
p. 265-267
18. Kumar V., Kim K.-J.*, Li D.*
Comparison of codes for Smith-Purcell FEL
p. 166-168
19. Kumar V., Krishnagopal S., Fawley W. M.*
Start-up of FEL oscillator from shot noise
p. 163-165
20. Lad M.R., Badapanda M.K., Bagduwal P.S., Bohrey A., Deo R.K., Hannurkar P.R., Jain A., Jain M.K., Kumar N., Kumar R., Prasad M., Rajput V., Sharma D., Tiwari N., Tyagi R.
Commissioning and operational experience with Indus-2 RF systems
p. 517-519
21. Marathe R.G., Thakur D.S., Bhatnagar V., Gupta R.K., Thakkar K.K., Fatnani P., Singh G.
Radiation safety system for Indus accelerator complex
p. 148-150
22. Mishra D., Prasad M., Jain V., Bagre M., Puntambekar A.M., Mundra G., Shrivastava P.
Preliminary design, analysis and manufacturing aspects of low beta 350 MHz reentrant superconducting RF cavity
p. 497-499
23. Pareek P., Singh K., Shinde R.S.
Development of wide band FCT system for booster synchrotron of Indus-1 & 2
p. 396-397
24. Petwal V.C., Bapna S.C., Sandha R.S., Kotaiah S., Subbaiah K.V.*
Bremsstrahlung converter for high power EB radiation processing facility
p. 767-769
25. Prasad V., Sahu R.K., Barapatre D., Jagannath M., Sharma K.P., Singh G.
Precise survey and alignment of synchrotron radiation source Indus-2
p. 761-763
26. Puntambekar A., Bagre M., Jain V., Khare P., Karmarkar M.G., Kotaiah S., Wolf R. *, Mugnai G.*
Experiences with the manufacturing, testing and quality control of large number of superconducting magnets
p. 567-569
27. Puntambekar T.A., Banerji A., Babbar L.K., Deep A.,

- Holikatti A., Joshi D.K., Karnewar A., Kotaiah S., Kumar M., Nathwani R.K., Suhane S.K., Tyagi Y., Yadav S.
Experience of beam diagnostic systems in commissioning stage of Indus-2
p. 413-415
28. Sahni V.C.
Commissioning of the Indus-2 storage ring
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29. Sandha R.S., Dwivedi J., Bapna S.C., Petwal V.C., Soni H.C.
Prototype beam dump for 10 kW linac
p. 764-766
30. Sharma A., Abdurrahim, Ghodke A.D., Singh G.
Design of the transfer line-2 for the CTFF-3 at CERN
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31. Sharma N.K., Joshi S.C., Kumar N.
Thermal-induced frequency detuning of 350 MHz RFQ structure
p. 256-258
32. Shinde R.S., Mishra R.K., Pareek P., Pandey M.M., Gaud V., Kumar S.S., Kotaiah S.
Effect of Eddy current in magnetic laminations on pulsed septum magnet response
p. 643-645
33. Shrivastava P., Mulchandani J., Wahnmode Y., Mohania P.
Performance of 6mw peak, 25 kw average power microwave system for 10MEV, 10KW electron linac
p. 649-651
34. Singh Y.P., Thakurta A.C., Kotaiah S.
Active filter for harmonic mitigation for magnet power supplies of Indus-II
p. 671-673
35. Sinha G., Kumar A., Mishra A.K., Singh G.
Effect of magnetic field coupling on Indus-2 quadrupole magnets
p. 378-380
36. Sreeramulu K., Das S., Ruwali K., Karmarkar M.G., Kotaiah S., Kulshreshtha P.K., Ghosh M.K.*
Mechanical stability of open-type quadrupole magnets for a 2.5 GeV SRS (INDUS-2)
p. 646-648
36. Srivastava B.S.K., Fatnani P.
First experiences with central web based fault information system
p. 446-448
38. Tiwari A.K., Arora R.K., Hannurkar P.R.
Design and simulation of multibeam klystron cavity
p. 509-510
39. Tiwari S., Borage M., Kotaiah S.
Analysis and design of a parallel resonant network power supply for a rapid cycling synchrotron
p. 685-687

C2. Other Seminars/Conference Presentations

- Agrawal P. K., Das B.P.*, Nakhe S.V.
Conducted noise measurement of flyback converter for different high frequency transformer winding techniques
National Conference on Power Electronics & Intelligent Control, Jaipur, 2007
- Das K., Uppal A., Jain B., Srivastava H., Gupta P. K.
Excitation wavelength dependence of the hyper-Rayleigh scattering and continuum generation of NH_4Cl induced aggregates of silver nanoparticles.
Proceedings of the 1st Asian Spectroscopy Conference and Asian Biospectroscopy Conference (ASC - 2007), Bangalore, 2007
- Deshpande P. P., Joshi M.J., Palod S., Singh V.P., Bhujle AG.
Machine vision algorithms for surface inspection of nuclear fuel pellets
Proceed. International Workshop on Imaging NDE-2007, Kalpakkam, April, 2007
- Ghosh H., Singh M.K., Joshi M.P., Raj M. S.
Optical absorption in neutral and cationic TPD: Theory and Experiment
7th International Conference on Optical Probes of π -Conjugated Polymers and Functional Self Assemblies, Turku, Finland
- Jayabalan J., Singh A., Chari R., Oak S.M., Srivastava H., Srivastava A.K.
Silver nanocluster –A new material for nonlinear optics
National Conference on Recent Trends in Optoelectronics and Laser Technology Thiruvananthapuram, April, 2007.
- Jayabalan J., Singh Asha, Chari R., Oak S.M.
Ultra-fast Nonlinear Optical Properties of Metal Nanoparticles
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