

2010-2019 thesis bibliographic details

COMPUTATIONAL STUDIES OF A MAGNETIZED TARGET FUSION SYSTEM
SUBHASH, P.V

Devi Ahilya Vishwavidyalaya, Indore, January 2010

533.9:681.3(043.2) SUB B23946

PLASMA PHYSICS; PLASMA SIMULATION; MAGNETOHYDRODYNAMICS (MHD); THESIS

DR. SHASHANK CHATURVEDI

SIMULATION STUDIES ON CO-DEPOSITED HYDROCARBON FILMS AND HYDROGEN RETENTION
MAYA, P.N

Devi Ahilya Vishwavidyalaya, April 2010

533.92(043.2) MAY B24084

PLASMA PHYSICS; PLASMA CHEMISTRY; HYDROCARBON FILMS; HYDROGEN RETENTION;
THESIS

DR. SHISHIR P DESHPANDE

MOLECULAR DYNAMICS SIMULATIONS OF NANOMETER SIZED DEVICES BASED ON CARBON
NANOTUBES

SUNITA NEGI

Homi Bhabha National Institute, November 2010

539.1:519.6(043.2) NEG B24085

MOLECULAR PHYSICS; MOLECULAR DYNAMICS; COMPUTER SIMULATIONS; CARBON
NANOTUBES; THESIS

DR. SHASHANK CHATURVEDI

PLASMA ASSISTED PHYSICAL VAPOR DEPOSITION OF NANO-STRUCTURED COATINGS

KISHOR KUMAR, K

Devi Ahilya Vishwavidyalaya, Indore, February 2011

533.92(043.2) KIS B24083

PLASMA PHYSICS; PLASMA PROCESSING; VAPOR DEPOSITION; NANO-STRUCTURED COATINGS;
THESIS

DR. SUBROTO MUKHERJEE

EXPERIMENTAL STUDIES ON ATMOSPHERIC PRESSURE GLOW DISCHARGE PLASMA

SRIVASTAVA, A.K

Ahilya Vishwavidyalaya, Indore, 2011

537.525(043.2) SRIB24082

PLASMA PHYSICS; GLOW DISCHARGE; THESIS

DR. GANESH PRASAD

ELECTRON MAGNETOHYDRODYNAMIC (EMHD) STUDIES ON ELECTRON TRANSPORT IN AN
INHOMOGENEOUS PLASMA MEDIUM

YADAV, SHARAD KUMAR

Homi Bhabha National Institute, March 2011

533.95:537.84(043.2) YAD B23143

PLASMA PHYSICS; PLASMA DYNAMICS; MAGNETOPLASMA DYNAMICS; ELECTRO
MAGNETOHYDRODYNAMICS (EMHD); THESIS

PROF. AMITA DAS

MOLECULAR DYNAMICS SIMULATIONS OF COHERENT STRUCTURES IN STRONGLY COUPLED
YUKAWA LIQUIDS

JOY, ASHWIN

Homi Bhabha National Institute, October 2011

533.62-726(043.2) JOY B23941

DUSTY PLASMA; STRONGLY COUPLED PLASMAS; THESIS

DR. R. GANESH

PLASMA RESPONSE TO TRANSIENT HIGH VOLTAGE PULSES
KAR, SATYANANDA

Homi Bhabha National Institute, August 2011
533.9...15(043.2) KAR B23297

PLASMA PHYSICS; LOW TEMPERATURE PLASMAS; PLASMA WAVES; THESIS
DR. SUBROTO MUKHERJEE

LINEAR AND NONLINEAR GLOBAL GYROKINETIC STUDY OF MICROINSTABILITIES IN
TOKAMAKS

CHOWDHURY, JUGAL

Homi Bhabha National Institute, September 2011
621.039.6:537.8(043.2) CHO B24086

FUSION TECHNOLOGY; TOKAMAK; PLASMA PHYSICS; ELECTROMAGNETISM; GYROKINETIC;
THESIS
DR. R. GAN0045SH

STUDY OF PELLETT-PLASMA INTERACTIONS USING FAST THREE-DIMENSIONAL IMAGING IN
LARGE HELICAL DEVICE

JYOTI SHANKAR MISHRA A

The Graduate University for Advance Studies, NIFS, Japan, 2011
DR. RYUICHI SAKAMOTO

STUDY OF NONLINEAR OSCILLATIONS AND WAVES IN PLASMA
VERMA, PRABAL SINGH

Homi Bhabha National Institute, August 2012
533.951(043.2) VER B24087

PLASMA PHYSICS ; PLASMA WAVES ; OSCILLATIONS; THESIS
PROF. P. K. KAW

STUDY OF FLUCTUATIONS AND INTRINSIC FLOWS IN A SIMPLE TOROIDAL PLASMA
GOUD, T SHEKAR

Homi Bhabha National Institute, May 2012
533.951.8(043.2) SHE B23842

PLASMA PHYSICS ; PLASMA DYNAMICS ; PLASMA INSTABILITIES ; TOROIDAL PLASMA ; THESIS
DR. R. GANESH

STUDY OF FAST TIME SCALE PHENOMENA IN PLASMAS
SITA SUNDAR

Homi Bhabha National Institute, August 2012
533.95:537.84(043.2) SIT B23934

PLASMA PHYSICS; PLASMA DYNAMICS; EMHD-ELECTROMAGNETOHYDRODYNAMICS;
ELECTROMAGNETIC SOLITONS; THESIS
PROF. AMITA DAS

INVESTIGATION OF ION AND ELECTRON KINETIC PHENOMENA IN CAPACITIVELY COUPLED
RADIO-FREQUENCY PLASMA SHEATHS: A SIMULATION STUDY

SARVESHWAR SHARMA

Dublin City University, 2012
533.9:681.3(043.2) SHA B24253

PLASMA PHYSICS ; PARTICLE-IN-CELL (PIC) ; SIMULATION ; THESIS
PROF. MILES M. TURNER

STUDIES ON HIGH TC TECHNICAL SUPERCONDUCTORS
ZIAUDDIN KHAN

V.B.S. Purvanchal University, Jaunpur, June 2012

537.312.6(043.2) KHA B24793

SUPERCONDUCTORS; HIGH TEMPERATURE SUPERCONDUCTIVITY; SUPERCONDUCTING MAGNETS; THESIS

Dr. IRFAN AHMAD & Dr. SUBRATA PRADHAN

RADIATION PRESSURE ACCELERATION OF IONS IN BULK TARGETS BY ULTRA-INTENSE LASER PULSES

UJJWAL SINHA

Homi Bhabha National Institute, February 2013

539.1.074(043.2) SIN B24088

ATOMIC PHYSICS; ION ACCELERATION; RADIATION PRESSURE ACCELERATION; LASER PULSE; THESIS

PROF. P. K. KAW

MOMENTUM TRANSPORT: INTRINSIC ROTATION AND ZONAL FLOWS IN MICROTURBULENCE IN TOKAMAKS

RAMESWAR SINGH

Homi Bhabha National Institute, December 2013

621.039.6(043.2) SIN B24219

FUSION TECHNOLOGY; PLASMA PHYSICS; REACTOR-TOKAMAK; ION TEMPERATURE GRADIENT (ITG); THESIS

PROF. R. SINGH

LASER DRIVEN ACCELERATION OF CHARGED PARTICLES IN VACUUM

VIKRAM SAGAR

Homi Bhabha National Institute, July 2013

539.12...18(043.2) SAG B24217

HIGH ENERGY PHYSICS; FREE ELECTRON LASER ; PARTICLE ACCELERATION ; THESIS

PROF. P. K. KAW

STUDY OF SHEAR DRIVEN ELECTRON MAGNETOHYDRODYNAMIC (EMHD) INSTABILITIES IN PLASMAS

GURUDATT GAUR

Homi Bhabha National Institute, July 2013

533.95:537.84(043.2) GAU B24220

PLASMA PHYSICS; PLASMA DYNAMICS; MAGNETOPLASMA DYNAMICS; ELECTROMAGNETOHYDRODYNAMICS (EMHD); THESIS

PROF. AMITA DAS

GENERALIZED HYDRODYNAMIC DESCRIPTION OF DUSTY PLASMAS

SANAT KUMAR TIWARI

Homi Bhabha National Institute, August 2013

523.62-726(043.2) TIW B24233

PLASMA PHYSICS; DUSTY PLASMAS; GENERALIZED HYDRODYNAMIC MODEL; THESIS PROF. AMITA DAS

STUDY OF WAVE PROPAGATION AND POTENTIAL STRUCTURES IN AN EXPANDING HELICON PLASMA

KSHITISH KUMAR BARADA

Homi Bhabha National Institute, August 2013

533.951(043.2) BAR B24251

PLASMA PHYSICS; PLASMA DYNAMICS; PLASMA WAVES; HELICON WAVES; WAVE PROPAGATION; THESIS

DR. P. K. CHATTOPADHYAY

OBSERVATION AND THEORY OF ELECTRON TEMPERATURE GRADIENT TURBULENCE IN LABORATORY PLASMA
SUSHIL KUMAR SINGH
Homi Bhabha National Institute, September 2013
533.951.7(043.2) SIN B24252
PLASMA PHYSICS ; PLASMA DYNAMICS ; PLASMA TURBULENCE ; THESIS
PROF. R. SINGH

STUDIES OF PLASMA FLOWS IN SCRAPE-OFF LAYER PLASMA OF ADITYA TOKAMAK
DEEPAK SANGWAN
Homi Bhabha National Institute, August 2013
533.951.7(043.2) SAN B24245
PLASMA PHYSICS ; PLASMA TURBULENCE ; SCRAPE OFF LAYER (SOL) ; TOKAMAK ; THESIS
PROF. R. JHA

EXPERIMENTAL STUDIES OF EDGE TURBULENCE, CONVECTIVE TRANSPORT AND SOL FLOW IN THE SPHERICAL TOKAMAK QUEST
SANTANU BANERJEE
Kyushu University, July 2013
PROF. HIDEKI ZUSHI

DEVELOPMENT OF ALUMINIZED COATINGS ON P91 STEEL FOR Pb-Li ENVIRONMENT IN FUSION REACTORS
NIRAV I. JAMNAPARA
Indian Institute of Technology Bombay, 2013 Available only in softcopy format
PROF. A.S. KHANNA & DR. SUBROTO MUKHERJEE

DESIGN AND DEVELOPMENTAL ASPECTS OF HIGH POWER ULTRA-WIDEBAND 3DB HYBRID COUPLER FOR THE ICRF HEATING IN TOKAMAK
RANA PRATAP YADAV
Homi Bhabha National Institute, June 2014 621.039.629(043.2) YAD B24937
FUSION TECHNOLOGY; ION CYCLOTRON RESONANCE HEATING- ICRH; HIGH POWER RF SYSTEMS ; THESIS
DR. S. V. KULKARNI

BIASED ELECTRODE EXPERIMENTS IN ADITYA TOKAMAK
PRAVESH DHYANI
Homi Bhabha National Institute, August 2014
621.039.6(043.2) DHY B24785
FUSION TECHNOLOGY; TOKAMAK
DR. JOYDEEP GHOSH

STUDIES ON THERMAL-HYDRAULICS OF PLASMA FACING COMPONENTS FOR SST-1 TOKAMAK
PARITOSH CHAUDHURI
KIIT University Bhubaneswar, Odisha, 2014
621.22:533.9(043.2) CHA B24545
THERMAL HYDRAULICS; PLASMA FACING COMPONENTS; TOKAMAK; THESIS
DR. S. K. S. PARASHAR & DR. CHENNA REDDY

STUDIES ON QUASI-OPTICAL LAUNCHERS (QoLs) FOR GYROTRON BASED ECRH SYSTEMS AND ITS APPLICATIONS TO PLASMA
BRAJ KISHORE SHUKLA
Gujarat University, Ahmedabad, 2014
537-962(043.2) SHU B27062
GYROTRON | ECRH SYSTEMS | THESIS
PROF. DHIRAJ BORA

STUDIES ON QUENCH CHARACTERISTICS OF SUPERCONDUCTING MAGNETS OF SST-1

AASHOO N.SHARMA

Homi Bhabha National Institute, February 2015

537.312.62(043.2) SHA B25410

ELECTROMAGNETISM, SUPERCONDUCTING MAGNETS ; SUPERCONDUCTIVITY ; THESIS

DR. SUBRATA PRADHAN

SELF-ORGANIZED DUST ROTATION IN AN UNMAGNETIZED DC GLOW DISCHARGE

MANJIT KAUR

Homi Bhabha National Institute, August 2015

537.5(043.2) KAU B25319

PLASMA DISCHARGE ; GLOW DISCHARGES ; PLASMA RADIATIONS ; THESIS

PROF. P. K. CHATTOPADHYAY

COMPACT PULSED POWER SYSTEMS USING LIQUID DIELECTRICS

VEDA PRAKASH, G

Homi Bhabha National Institute, August 2015

621.373(043.2) VED B25605

ELECTRICAL ENGINEERING; ELECTRIC POWER PULSES ; PULSED POWER SYSTEMS ; THESIS

PROF. ANURAG SHYAM

GLOBAL GYROKINETIC STUDY OF ELECTROMAGNETIC MICROINSTABILITIES IN TOKAMAK PLASMAS

SWAMY, ADITYA KRISHNA

Homi Bhabha National Institute, September 2015

537.8:621.039.6(043.2) SWA B25317

ELECTROMAGNETISM; TOKAMAK; GYROKINETIC; THESIS

DR. R. GANESH

EXPERIMENTAL STUDY OF PLASMA OSCILLATIONS IN IMPED

SAYAK BOSE

Homi Bhabha National Institute, August 2015

533.951(043.2) BOS B25316

PLASMA PHYSICS; PLASMA OSCILLATIONS; INVERSE MIRROR EXPERIMENTAL DEVICE (IMPED); THESIS

PROF. P. K. CHATTOPADHYAY

STUDY OF LOCALIZED POTENTIAL STRUCTURE AND HEATING IN EXPANDING HELICON PLASMA

SOUMEN GHOSH

Homi Bhabha National Institute, November 2015

533.951(043.2) GHO B25318

PLASMA PHYSICS; HELICON WAVES; HELICON PLASMA; THESIS

PROF. P. K. CHATTOPADHYAY

QUANTITATIVE STUDY OF 3D RADIATION DYNAMICS DURING RESONANT MAGNETIC PERTURBATION ASSISTED DETACHED PLASMAS IN THE LARGE HELICAL DEVICE

SHWETANG N. PANDYA

The Graduate University for Advanced Studies, NIFS, Japan, September 2014

535.231.62(043.2) PAN B24792

RADIATION MEASUREMENT; ENERGY OF RADIATIONS; BOLOMETER; INFRARED TECHNOLOGY; LHD ; THESIS

PROF. BYRON J. PETERSON

STUDIES ON SELF ORGANIZATION OF HIGH B_p PLASMA NEAR EQUILIBRIUM LIMIT AND ITS CHARACTERISTICS IN THE SPHERICAL TOKAMAK QUEST

KISHORE MISHRA

Kyushu University, Japan, July 2015

PROF. HIROSHI IDEI AND PROF. HIDEKI ZUSHI

STUDIES ON HELIUM COOLED PLASMA FACING COMPONENTS FOR TOKAMAK BASED FUSION REACTOR APPLICATIONS

SANDEEP RIMZA

Homi Bhabha National Institute February 2016

533.9:621.039.6(043.2) RIM B25529

PLASMA PHYSICS; FUSION TECHNOLOGY; TOKAMAK; THESIS

DR. SAMIR S. KHIRWADKAR AND DR. KARUPANNA VELUSAMY

NEUTRONICS BENCHMARK STUDIES FOR THE TRITIUM BREEDING BLANKETS

SHRICHAND JAKHAR

Homi Bhabha National Institute, February 2016

621.039.6(043.2) JAK B-25827

NUCLEAR FUSION; BREEDING BLANKETS; NEUTRON ACTIVATION METHOD; NEUTRON FLUX SPECTRA

DR. M. BANDYOPADHYAY

COLLECTIVE PHENOMENA IN STRONGLY COUPLED DUSTY PLASMA MEDIUM

Homi Bhabha National Institute June 2016

VIKRAM SINGH DHARODI

523.62-726(043.2) DHA B25720

DUSTY PLASMA; STRONGLY COUPLED PLASMAS; THESIS

PROF. AMITA DAS

SLOW WAVE CHARACTERISTICS OF METAMATERIAL LOADED HELICAL GUIDE

DUSHYANT KUMAR SHARMA

Homi Bhabha National Institute, July 2016

537-962(043.2) SHA B-25828

MICROWAVE PHOTONICS; OPTICAL DATA PACKET SWITCHING; HELICAL GUIDE; THESIS

DR. SURYA K. PATHAK and DR. HEM C. JOSHI

NONLINEAR EXCITATIONS IN FLOWING COMPLEX PLASMAS

SURABHI JAISWAL

Homi Bhabha National Institute December 2016

523.62-726(043.2) JAI B25935

PLASMA PHYSICS; PLASMA CHEMISTRY; DUSTY PLASMA; THESIS

DR. PINTU BANDOPADHYAY and PROF. A. SEN

STUDY OF Er_2O_3 FILM DEPOSITION BY DIFFERENT TECHNIQUES FOR THE FUSION REACTOR APPLICATIONS

PRATIPALSINH A. RAYJADA

Sardar Patel University, Vallabh Vidyanagar, Anand, March 2016

533.92(043.2) RAY B25934

PLASMA PHYSICS; PLASMA PROCESSING; ERBIA FILM DEPOSITION; ERBIUM OXIDE; THESIS

PROF. L. M. MANOCHA and DR. P. M. RAOLE

DESIGN AND FABRICATION OF SOLID NITROGEN COOLED MGB₂ BASED PERSISTENT MAGNET FOR MRI APPLICATION

DIPAKKUMAR J. PATEL

University of Wollongong, Australia, August 2016

PROF. S. X. DOU and DR. MD SHAHRIAR

EXPERIMENTAL STUDIES ON COLLECTIVE PHENOMENA IN DUSTY PLASMAS

MANGILAL CHOUDHARY

Homi Bhabha National Institute, April 2017

523.62-726(043.2) CHO B26198

DUSTY PLASMA, THESIS

DR. SUBROTO MUKHERJEE

SYNCHRONIZATION STUDIES BETWEEN TWO COUPLED GLOW DISCHARGE PLASMA SOURCES

NEERAJ CHAUBEY

Homi Bhabha National Institute, 2017

537.525(043.2) CHA

B26196 PLASMA PHYSICS; GLOW DISCHARGE; THESIS

DR. SUBROTO MUKHERJEE

STUDIES ON MAGNETICALLY CONSTRICTED ANODE PLASMA SOURCE

SAMIRSINH GANPATSINH CHAUHAN

Homi Bhabha National Institute, 2017

533.9.07(043.2) CHA B26253

PLASMA PHYSICS; PLASMA SOURCE; THESIS

DR. MUKESH RANJAN

PARTICLE-IN-CELL SIMULATIONS OF FAST ELECTRON TIME SCALE PHENOMENA

CHANDRASEKHAR SHUKLA

Homi Bhabha National Institute, 2017

533.9:681.3(043.2) SHUB26276 PLASMA PHYSICS; MODELLING SIMULATION; NUMERICAL METHODS;

LASER PLASMA INTERACTION; THESIS

PROF. AMITA DAS

THE STUDY OF LOCALISED SOLUTION IN LASER PLASMA SYSTEM

DEEPA VERMA

Homi Bhabha National Institute, 2017

533.9.082.5(043.2) VER B26251

PLASMA PHYSICS; LASER PLASMAS; THESIS

PROF. AMITA DAS

STUDIES IN NON-NEUTRAL PLASMAS USING PARTICLE-IN-CELL SIMULATIONS

MEGHRAJ SENGUPTA

Homi Bhabha National Institute, 2017

533.951.8(043.2) SEN B26259

PLASMA PHYSICS; THESIS

DR. R. GANESH

YUKAWA LIQUIDS UNDER EXTERNAL FORCING: A MOLECULAR DYNAMICS STUDY

HARISH CHARAN

Homi Bhabha National Institute, 2017

523.62-726(043.2) CHA B26439

STRONGLY COUPLED PLASMAS; MOLECULAR DYNAMICS; THESIS

DR. R. GANESH

SHEAR FLOWS IN 2D STRONGLY COUPLED FLUIDS - A THEORETICAL AND COMPUTATIONAL STUDY

AKANKSHA GUPTA

Homi Bhabha National Institute, 2017

523.62-726(043.2) GUP B26438

STRONGLY COUPLED LIQUIDS; MOLECULAR DYNAMICS; THESIS
DR. R. GANESH

ION-FLOW DRIVEN INSTABILITIES IN SHEATH-PRESHEATH REGION OF LOW TEMPERATURE PLASMA

VARA PRASAD KELLA

Homi Bhabha National Institute, 2017

533.9...15(043.2) KEL B26372

PLASMA PHYSICS; LOW TEMPERATURE PLASMA; PLASMA INSTABILITIES; THESIS

DR. JOYDEEP GHOSH

3D SIMULATIONS AND ANALYSIS OF PLASMA TRANSPORT IN THE SCRAPE-OFF LAYER OF TOKAMAK ADITYA

BIBHU PRASAD SAHOO

Homi Bhabha National Institute, 2017

533.932(043.2) SAH B26377

PLASMA PHYSICS; PLASMA TRANSPORT; THESIS

DR. DEVENDRA SHARMA

A STUDY OF THE DYNAMICS OF DELAY COUPLED NONLINEAR OSCILLATORS AND SOME MODEL APPLICATIONS

BHUMIKA THAKUR

Homi Bhabha National Institute, 2017

530.182(043.2) THA B26440

CHAOS; NONLINEAR PHENOMENA; THESIS

DR. DEVENDRA SHARMA

STUDIES ON DRIVEN DUST VORTEX FLOW DYNAMICS IN DUSTY PLASMA

LAISHRAM MODHUCHANDRA SINGH

Homi Bhabha National Institute 2017

523.62-726(043.2) SIN B26437

DUSTY PLASMA; THESIS

DR. DEVENDRA SHARMA

COLLECTIVE PLASMA STRUCTURES WITH KINETIC NONLINEARITY: THEIR COHERENCE, INTERACTION AND STABILITY

DEBRAJ MANDAL

Homi Bhabha National Institute, 2017

530.182(043.2) MAN B26441

CHAOS; NONLINEAR DYNAMICS; VLASOV SIMULATION; THESIS

DR. DEVENDRA SHARMA

BUBBLE-INDUCED VIBRATION IN LIQUID NITROGEN CRYOPUMP

MANOJ KUMAR GUPTA

Nirma University, Ahmedabad, 2017

Available only in softcopy format

DR. D. S. SHARMA & DR. V. J. LAKHERA

THERMAL TUNING OF A FABRY-PEROT CAVITY FOR THE CONTROL OF PARAMETRIC INSTABILITY USING A CO₂ LASER

SUNIL SUSMITHAN

University of Western Australia, 2017

PROF. DAVID BLAIR DR. LI JU DR. CHUNNONG ZHAO

STUDY ON PLASMA SHAPING AND CONTROL IN STEADY STATE SUPER CONDUCTING TOKAMAK (SST-1)

SUBRATA JANA

Homi Bhabha National Institute, 2017

621.039.6(043.2) JAN B26616

FUSION TECHNOLOGY | TOKAMAK | PLASMA SHAPING | PLASMA CONTROL | THESIS

Dr. SUBRATA PRADHAN

INVESTIGATION OF PARTICLE SWARM OPTIMIZATION TECHNIQUE FOR MULTI DISCIPLINARY PROBLEMS

RITESH SUGANDHI

Homi Bhabha National Institute, 2018

519.863(043.2) SUG B26627

MATHEMATICAL PROGRAMMING | OPERATIONAL RESEARCH | PARTICLE SWARM OPTIMIZATION | THESIS

DR. SHASHANK CHATURVEDI

STUDY OF THE BREAKING OF RELATIVISTICALLY INTENSE LONGITUDINAL WAVES IN A HOMOGENEOUS PLASMA

ARGHYA MUKHERJEE

Homi Bhabha National Institute, 2018

533.951(043.2) MUK B26632

PLASMA PHYSICS | PLASMA WAVES | WAVE BREAKING | THESIS

PROF. SUDIP SENGUPTA

FLUID SIMULATION OF ELECTRON BEAM DRIVEN WAKEFIELD IN A COLD PLASMA

RATAN KUMAR BERA

Homi Bhabha National Institute, 2018

533.9...15:532(043.2) BER B26766

PLASMA PHYSICS | FLUID SIMULATION IN PLASMA | THESIS

PROF. AMITA DAS & PROF. SUDIP SENGUPTA

STUDY OF ELECTROSTATIC INSTABILITIES IN CURRENT CARRYING COLD PLASMAS

ROOPENDRA SINGH RAJAWAT

Homi Bhabha National Institute, 2018

533.951.7(043.2) RAJ B26640

PLASMA DYNAMICS | PLASMA TURBULENCE | THESIS

PROF. SUDIP SENGUPTA

EXPERIMENTAL STUDY ON FORCE BALANCE IN THERMAL PLASMA TORCH,

VIDHI GOYAL

Homi Bhabha National Institute, 2018

533.92(043.2) GOY B26639

PLASMA REACTIONS | PLASMA TORCH | THESIS

DR. G. RAVI

INVESTIGATION OF DIAMAGNETISM IN LASER-PRODUCED PLASMA,

NARAYAN BEHERA

Homi Bhabha National Institute, 2018

533.9.07(043.2) BEH B26651

LASER PLASMA | PLASMA PLUMES | PLASMA PHYSICS | THESIS

PROF. AJAI KUMAR

EFFECT OF CONTROLLING TOROIDAL FIELD TOPOLOGY IN A SIMPLE TOROIDAL PLASMA: AN EXPERIMENTAL STUDY

UMESH KUMAR

Homi Bhabha National Institute, 2018

533.951.8(043.2) UME B26708

PLASMA PHYSICS | PLASMA INSTABILITIES | PLASMA DYNAMICS | THESIS
DR. R. GANESH

EXPERIMENTAL STUDIES OF PLASMA IN ELECTROMAGNETOHYDRODYNAMIC (EMHD)
REGIME

GARIMA JOSHI

Nirma University, Ahmedabad

537.84(043.2) JOS B26709

EMHD- ELECTROMAGNETOHYDRODYNAMICS | PLASMA PHYSICS | THESIS

DR. G. RAVI

STUDY OF NOVEL FEATURES IN LASER-PLASMA INTERACTIONS

ATUL KUMAR

Homi Bhabha National Institute, 2019

533.9.07(043.2) ATU B26767

PLASMA PHYSICS | LASER PLASMA INTERACTIONS | THESIS

PROF. AMITA DAS

COLLECTIVE STRUCTURES IN TWO-DIMENSIONAL STRONGLY COUPLED DUSTY PLASMAS

SANDEEP KUMAR

Homi Bhabha National Institute 2019

523.62-726(043.2) SAN B26763

STRONGLY COUPLED PLASMAS | DUSTY PLASMA | THESIS

PROF. AMITA DAS

DEVELOPMENT OF PERMANENT MAGNET BASED HELICON PLASMA SOURCE

ARUN PANDEY

Homi Bhabha National Institute, 2019

533.951(043.2) PAN B26769

PLASMA DYNAMICS | PLASMA WAVES | THESIS

DR. MAINAK BANDYOPADHYAY

STUDY OF PLASMA TURBULENCE IN LARGE VOLUME PLASMA DEVICE (LVPD)

AMULYA KUMAR SANYASI

Ravenshaw University, 2019

533.951.7(043.2) SAN B26770

PLASMA PHYSICS | PLASMA TURBULENCE | THESIS PROF. RITA PAIKARAY &

DR. LALIT MOHAN AWASTHI

DESIGN AND DEVELOPMENT OF MICROWAVE INTERFEROMETER AND REFLECTOMETER
SYSTEMS FOR PLASMA DIAGNOSTICS IN TOKAMAK

PRAVEEN KUMAR ATREY

Nirma University, Ahmedabad, 2019

533.9.082(043.2) ATR B26876

PLASMA DIAGNOSTICS | THESIS

DR. DHAVAL PUJARA & DR. SUBROTO MUKHERJEE

EXPERIMENTAL STUDY OF NEAR ANODE PLASMA IN HOLLOW CATHODE CROSS FIELD
DISCHARGES

RAMKRISHNA RANE

Homi Bhabha National Institute, 2019

621.387(043.2) RAN B26880

ELECTRONIC DEVICES | DISCHARGE TUBES | THESIS

PROF. SUBROTO MUKHERJEE &

DR. MAINAK BANDYOPADHYAY

STUDY OF PLASMA IN A MULTI-POLE LINE CUSP MAGNETIC FIELD
AMITKUMAR PATEL
Homi Bhabha National Institute, 2019
533.9.082.7(043.2) PAT B26874
PLASMA PHYSICS | PLASMA DIAGNOSTICS | THESIS
DR. N. RAMASUBRAMANIAN

EXPERIMENTAL STUDY ON ETG TURBULENCE INDUCED PLASMA TRANSPORT IN LARGE VOLUME PLASMA DEVICE
PRABHAKAR SRIVASTAV
Homi Bhabha National Institute, 2019
533.932(043.2) SRI B26873
PLASMA PHYSICS | PLASMA TRANSPORT | THESIS
DR. L. M. AWASTHI

DRIVEN PHASE SPACE STRUCTURES IN A 1D VLASOV-POISSON PLASMA
PALLAVI TRIVEDI
Homi Bhabha National Institute, 2019
530.182(043.2) TRI B26905
NONLINEAR DYNAMICS | VLASOV SIMULATION | THESIS
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TURBULENCE, FLOWS AND MAGNETIC FIELD GENERATION IN PLASMAS USING A MAGNETOHYDRODYNAMIC MODE
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537.84(043.2) MUK B26954
PLASMA TURBULENCE | MHD | THESIS
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INVESTIGATION OF LASER INDUCED PLASMA IN VARIOUS CONFIGURATIONS
ALAMGIR MONDAL
Homi Bhabha National Institute, 2019
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PLASMA PHYSICS | LASER PLASMA | PLASMA DIAGNOSTICS | THESIS
DR. HEM CHANDRA JOSHI

MOLECULAR DYNAMICS SIMULATION STUDY OF RESONANCE ABSORPTION PHENOMENA IN INTENSE LASER-DRIVEN ATOMIC NANO-CLUSTERS
SAGAR SEKHAR MAHALIK
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539.1:519.6(043.2) MAH B26930
COMPUTER SIMULATION | MOLECULAR DYNAMICS | MOLECULAR PHYSICS | THESIS
DR. MRITYUNJAY KUNDU

STUDY OF TWO-PHASE FLOWS IN FUSION MAGNETS
GAURAV KUMAR SINGH
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CRYOGENIC ENGINEERING | CRYOGENIC TWO PHASE FLOWS | THESIS
DR. VIPUL L. TANNA

FLOW EFFECTS ON VISCO-RESISTIVE MHD IN A TOKAMAK
JERVIS RITESH MENDONCA
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DR. DEBASIS CHANDRA & PROF. ABHIJIT SEN

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DUSTY PLASMA | THESIS

PROF. AMITA DAS.

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PRACHI B. ORPE

Nirma University, Ahmedabad, 2019

620.1(N) (043.2) ORP B27050

NANOSTRUCTURES | MAGNETIC NANOSTRUCTURES | THESIS

DR. BALASUBRAMANIAN C.

STUDY OF LASER PRODUCED PLASMA PLUME AND ITS DYNAMICS IN NICKEL THIN FILM Institute of Science

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PLASMA PHYSICS | LASER PLASMA | PLASMA PLUMES | THESIS

PROF. AJAI KUMAR