Research outputs:

**Collective Thomson scattering diagnostic at Wendelstein 7-X**
Research output: Research - peer-review › Journal article – Annual report year: 2019

**Electron-cyclotron-resonance heating in Wendelstein 7-X: A versatile heating and current-drive method and a tool for in-depth physics studies: Paper**
Research output: Research - peer-review › Journal article – Annual report year: 2019

**Alpha-particle velocity-space diagnostic in ITER**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Bayesian Integrated Data Analysis of Fast-Ion Measurements by Velocity-Space Tomography**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Deuterium temperature, drift velocity, and density measurements in non-Maxwellian plasmas at ASDEX Upgrade**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Engineering design and analysis of an ITER-like first mirror test assembly on JET**
Research output: Research - peer-review › Journal article – Annual report year: 2017

**Main-ion temperature and plasma rotation measurements based on scattering of electron cyclotron heating waves in ASDEX Upgrade: Paper**
Research output: Research - peer-review › Journal article – Annual report year: 2017

**MeV-range velocity-space tomography from gamma-ray and neutron emission spectrometry measurements at JET**
Research output: Research - peer-review › Journal article – Annual report year: 2017

**Optics for electron cyclotron resonance heating and collective Thomson scattering at the stellarator W7-X**
Research output: Research - peer-review › Conference article – Annual report year: 2018

**Overview of progress in European medium sized tokamaks towards an integrated plasma-edge/wall solution**
Research output: Research - peer-review › Journal article – Annual report year: 2017

**Overview of the JET results in support to ITER**
Research output: Research - peer-review › Journal article – Annual report year: 2017

**RAMI analysis of the ITER LFS CTS system**
Research output: Research - peer-review › Journal article – Annual report year: 2017

**Recent development of collective Thomson scattering for magnetically confined fusion plasmas**
Research output: Research - peer-review › Journal article – Annual report year: 2017

**Translational, rotational, vibrational and electron temperatures of a gliding arc discharge**
Research output: Research - peer-review › Journal article – Annual report year: 2017

**Benchmark and combined velocity-space tomography of fast-ion D-alpha spectroscopy and collective Thomson scattering measurements**
Cleaning of first mirrors in ITER by means of radio frequency discharges
Research output: Research - peer-review › Journal article – Annual report year: 2016

Collective Thomson scattering measurements of fast-ion transport due to sawtooth crashes in ASDEX Upgrade
Research output: Research - peer-review › Journal article – Annual report year: 2016

Design of the Collective Thomson Scattering diagnostic for the next-generation fusion experiment ITER
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Developing diagnostic systems for ITER – the next step fusion energy experiment
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Exploiting the energy source of the stars: Fusion energy research at DTU
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Fast-ion energy resolution by one-step reaction gamma-ray spectrometry
Research output: Research - peer-review › Journal article – Annual report year: 2016

High-definition velocity-space tomography of fast-ion dynamics
Research output: Research - peer-review › Journal article – Annual report year: 2016

High power microwave diagnostic for the fusion energy experiment ITER
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

High Power Microwave Diagnostic for the Fusion Energy Experiment ITER
Research output: Research - peer-review › Poster – Annual report year: 2016

Inversion methods for fast-ion velocity-space tomography in fusion plasmas
Research output: Research - peer-review › Journal article – Annual report year: 2016

ITER perspective on fusion reactor diagnostics - A spectroscopic view
Research output: Research - peer-review › Journal article – Annual report year: 2016

Measuring main-ion temperatures in ASDEX upgrade using scattering of ECRH radiation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Millimeter-wave receiver design for plasma diagnostics
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Three-wave interaction during electron cyclotron resonance heating and current drive
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Velocity-space tomography of fusion plasmas by collective Thomson scattering of gyrotron radiation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Consistency between real and synthetic fast-ion measurements at ASDEX Upgrade
Research output: Research - peer-review › Journal article – Annual report year: 2015
Determining fast-ion velocity-space distribution functions using velocity-space tomography
Research output: Research - peer-review › Article in proceedings – Annual report year: 2015

Doppler tomography in fusion plasmas and astrophysics
Research output: Research - peer-review › Journal article – Annual report year: 2015

Enhanced ethanol production by removal of cutin and epicuticular waxes of wheat straw by plasma assisted pretreatment
Research output: Research - peer-review › Journal article – Annual report year: 2015

Measurements of the fast-ion distribution function at ASDEX upgrade by collective Thomson scattering (CTS) using active and passive views
Research output: Research - peer-review › Journal article – Annual report year: 2015

Observation of gliding arc surface treatment
Research output: Research - peer-review › Journal article – Annual report year: 2015

Plasma rotation and ion temperature measurements by collective Thomson scattering at ASDEX Upgrade
Research output: Research - peer-review › Journal article – Annual report year: 2015

Velocity-space observation regions of high-resolution two-step reaction gamma-ray spectroscopy
Research output: Research - peer-review › Journal article – Annual report year: 2015

Velocity-space sensitivity of neutron spectrometry measurements
Research output: Research - peer-review › Journal article – Annual report year: 2015

Dynamics, OH distributions and UV emission of a gliding arc at various flow-rates investigated by optical measurements
Research output: Research - peer-review › Journal article – Annual report year: 2014

Improved Collective Thomson Scattering measurements of fast ions at ASDEX Upgrade
Research output: Research - peer-review › Conference article – Annual report year: 2014

Measurement of a 2D fast-ion velocity distribution function by tomographic inversion of fast-ion D-alpha spectra
Research output: Research - peer-review › Journal article – Annual report year: 2014

On velocity-space sensitivity of fast-ion D-alpha spectroscopy
Research output: Research - peer-review › Journal article – Annual report year: 2014

Particle tracking velocimetry of a gliding arc discharge
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Plasma treatment of carbon fibres and glass-fibre-reinforced polyesters at atmospheric pressure for adhesion improvement
Research output: Research - peer-review › Journal article – Annual report year: 2014

Resolving the bulk ion region of millimeter-wave collective Thomson scattering spectra at ASDEX Upgrade
Research output: Research - peer-review › Journal article – Annual report year: 2014

Stability of alternating current gliding arcs
Research output: Research - peer-review › Journal article – Annual report year: 2014

Strong scattering of mm-waves in tokamaks
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2014
Towards fusion energy as a sustainable energy source: Activities at DTU Physics
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2014

Translational, rotational and vibrational temperatures of a gliding arc discharge at atmospheric pressure air
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Velocity-space interrogation regions of neutron spectrometers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Velocity-space sensitivity of the time-of-flight neutron spectrometer at JET
Research output: Research - peer-review › Journal article – Annual report year: 2014

Adhesion improvement of glass-fibre-reinforced polyester composites by gliding arc discharge treatment
Research output: Research - peer-review › Journal article – Annual report year: 2013

Combination of fast-ion diagnostics in velocity-space tomographies: Paper
Research output: Research - peer-review › Journal article – Annual report year: 2013

Experimental characterization of anomalous strong scattering of mm-waves in TEXTOR plasmas with rotating islands
Research output: Research - peer-review › Journal article – Annual report year: 2013

How to compute velocity-space tomographies using several fast-ion diagnostics
Research output: Research - peer-review › Article in proceedings – Annual report year: 2013

Measurements of ion temperature and plasma hydrogenic composition by collective Thomson scattering in neutral beam heated discharges at TEXTOR
Research output: Research - peer-review › Journal article – Annual report year: 2013

Optical diagnostics of a gliding arc
Research output: Research - peer-review › Journal article – Annual report year: 2013

Overview of ASDEX Upgrade results
Research output: Research - peer-review › Journal article – Annual report year: 2013

Polarizer design for millimeter-wave plasma diagnostics
Research output: Research - peer-review › Journal article – Annual report year: 2013

Pretreatment of the macroalgae Chaetomorpha linum for the production of bioethanol - Comparison of five pretreatment technologies
Research output: Research - peer-review › Journal article – Annual report year: 2013

Ultrasound enhanced 50 Hz plasma treatment of glass-fiber-reinforced polyester at atmospheric pressure
Research output: Research - peer-review › Journal article – Annual report year: 2012

Velocity-space tomography of the fast-ion distribution function
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2013

Velocity-space tomography using many-view CTS or FIDA systems
Research output: Research - peer-review › Article in proceedings – Annual report year: 2013
Water-cooled non-thermal gliding arc for adhesion improvement of glass-fibre-reinforced polyester
Research output: Research - peer-review › Journal article – Annual report year: 2013

Algebraic and iterative tomography of fast-ion velocity-space distributions from synthetic fast-ion diagnostics
Research output: Research › Article in proceedings – Annual report year: 2012

Cold atmospheric pressure plasma treatment of ready-to-eat meat: Inactivation of Listeria innocua and changes in product quality
Research output: Research - peer-review › Journal article – Annual report year: 2012

Design and performance of the collective Thomson scattering receiver at ASDEX Upgrade.
Research output: Research - peer-review › Journal article – Annual report year: 2012

Diagnosis of energetic ions and ion composition in fusion plasmas by collective Thomson scattering of mm-waves
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2012

Elevation angle alignment of quasi optical receiver mirrors of collective Thomson scattering diagnostic by sawtooth measurements
Research output: Research - peer-review › Conference article – Annual report year: 2012

Influence of ultrasonic irradiation on ozone generation in a dielectric barrier discharge
Research output: Research - peer-review › Conference article – Annual report year: 2012

Measurements of plasma composition in the TEXTOR tokamak by collective Thomson scattering
Research output: Research - peer-review › Journal article – Annual report year: 2011

Microwave Receivers for Fast-Ion Detection in Fusion Plasmas
Research output: Research › Ph.D. thesis – Annual report year: 2012

Modification of the collective Thomson scattering radiometer in the search for parametric decay on TEXTOR
Research output: Research - peer-review › Journal article – Annual report year: 2012

Performance measurements of the collective Thomson scattering receiver at ASDEX Upgrade
Research output: Research - peer-review › Conference article – Annual report year: 2012

Temporally resolved plasma composition measurements by collective Thomson scattering in TEXTOR
Research output: Research - peer-review › Conference article – Annual report year: 2012

The prospect for fuel ion ratio measurements in ITER by collective Thomson scattering
Research output: Research - peer-review › Journal article – Annual report year: 2012

Tomography of 2D Velocity-space Distributions from Combined Synthetic Fast-ion Diagnostics at ASDEX Upgrade
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2013

Tomography of fast-ion velocity-space distributions from synthetic CTS and FIDA measurements
Research output: Research - peer-review › Journal article – Annual report year: 2012

Ultrasound enhanced plasma surface modification at atmospheric pressure
Research output: Research - peer-review › Journal article – Annual report year: 2012

Dynamics of fast ions during sawtooth oscillations in the TEXTOR tokamak measured by collective Thomson scattering
Research output: Research - peer-review › Journal article – Annual report year: 2011
105 GHz Notch Filter Design for Collective Thomson Scattering
Research output: Research - peer-review › Journal article – Annual report year: 2011

50-Hz plasma treatment of glass fibre reinforced polyester at atmospheric pressure enhanced by ultrasonic irradiation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2012

Adhesion improvement of glass fibre reinforced polyester composite by atmospheric pressure plasma treatment
Research output: Research - peer-review › Book chapter – Annual report year: 2012

Advanced plasma treatment of polymer surfaces at atmospheric pressure for adhesion improvement
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Comparison of measured and simulated fast ion velocity distributions in the TEXTOR tokamak
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

CTS observations of NBI-induced instabilities in TEXTOR plasmas
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Decontamination of objects in a sealed container by means of atmospheric pressure plasmas
Research output: Research - peer-review › Journal article – Annual report year: 2011

Gliding arc surface treatment of glass-fiber-reinforced polyester enhanced by ultrasonic irradiation
Research output: Research - peer-review › Conference article – Annual report year: 2011

Measurements of Intrinsic Ion Bernstein Waves in a Tokamak by Collective Thomson Scattering
Research output: Research - peer-review › Journal article – Annual report year: 2011

On velocity space interrogation regions of fast-ion collective Thomson scattering at ITER
Research output: Research - peer-review › Journal article – Annual report year: 2011

Overview of ASDEX Upgrade results
Research output: Research - peer-review › Journal article – Annual report year: 2011

Ozone production in a dielectric barrier discharge with ultrasonic irradiation
Research output: Research - peer-review › Journal article – Annual report year: 2011

Plasma-Assisted Pretreatment of Wheat Straw
Research output: Research - peer-review › Journal article – Annual report year: 2010

Plasma-Assisted Pretreatment of Wheat Straw for Ethanol Production
Research output: Research - peer-review › Journal article – Annual report year: 2011

Plasma surface modification of glassy carbon plates, carbon fibres and UHMWPE fibres for adhesion improvement
Research output: Research - peer-review › Book chapter – Annual report year: 2011

Ultrasound enhanced plasma treatment of glass-fibre-reinforced polyester in atmospheric pressure air for adhesion improvement
Research output: Research - peer-review › Journal article – Annual report year: 2011
Collective Thomson scattering capabilities to diagnose fusion plasmas
Research output: Research › peer-review › Conference article – Annual report year: 2010

Decontamination of a rotating cutting tool during operation by means of atmospheric pressure plasmas
Research output: Research › peer-review › Journal article – Annual report year: 2010

Broadband mm-Wave Notch Filter for ECE Applications
Research output: Research › Poster – Annual report year: 2010

Broadband notch filter design for millimeter-wave plasma diagnostics
Research output: Research › peer-review › Conference article – Annual report year: 2010

Collective Thomson scattering measurements with high frequency resolution at TEXTOR
Research output: Research › peer-review › Conference article – Annual report year: 2010

Comparison of Central Fast Ion Distributions between Plasmas with on-Axis and o-Axis NBI Current Drive on ASDEX Upgrade
Research output: Research › Conference abstract in proceedings – Annual report year: 2010

Comparison of fast ion collective Thomson scattering measurements at ASDEX Upgrade with numerical simulations
Research output: Research › peer-review › Journal article – Annual report year: 2010

Development of novel fuel ion ratio diagnostic techniques
Research output: Research › peer-review › Conference article – Annual report year: 2010

Dielectric barrier discharge treatment of glass fibre reinforced polyester (GFRP) in air enhanced by ultrasonic irradiation
Research output: Research › Conference abstract for conference – Annual report year: 2010

Dynamics of Fast Ions during Sawtooth Oscillations in the TEXTOR Tokamak measured by Collective Thomson Scattering
Research output: Research › Conference abstract in proceedings – Annual report year: 2010

Effect of plasma assisted pretreatment of wheat straw on enzymatic hydrolysis, and ethanol fermentation
Research output: Research › peer-review › Conference abstract in proceedings – Annual report year: 2011

Effect of Plasma Assisted Pretreatment of Wheat Straw on enzymatic Hydrolysis and Ethanol Fermentation
Research output: Research › Poster – Annual report year: 2010

Expected accuracy of fuel ion ratio measurements by collective Thomson scattering at TEXTOR
Research output: Research › Article in proceedings – Annual report year: 2010

Fast-ion redistribution due to sawtooth crash in the TEXTOR tokamak measured by collective Thomson scattering
Research output: Research › peer-review › Journal article – Annual report year: 2010

First results and analysis of collective Thomson scattering (CTS) fast ion distribution measurements on ASDEX Upgrade
Research output: Research › peer-review › Conference article – Annual report year: 2010

Localized measurements of the fast ion velocity distribution of TEXTOR plasmas using collective Thomson scattering
Research output: Research › Article in proceedings – Annual report year: 2010

Spatially resolved fast ion velocity distribution results from on-axis and off-axis NBI heated plasmas on ASDEX Upgrade using the Collective Thomson Scattering (CTS)
Research output: Research › Article in proceedings – Annual report year: 2010
Sterilization of packed matter by means of low temperature atmospheric pressure plasmas
Research output: Research › Conference abstract in proceedings – Annual report year: 2010

Ultrasound enhanced plasma surface modification at atmospheric pressure
Research output: Research › Conference abstract for conference – Annual report year: 2010

Antenna design for fast ion collective Thomson scattering diagnostic for the international thermonuclear experimental reactor
Research output: Research › Journal article – Annual report year: 2009

Collective Thomson Scattering Capabilities to Diagnose Fusion Plasmas
Research output: Research › Conference abstract for conference – Annual report year: 2009

Comparison of Collective Thomson Scattering Diagnostic Results to TRANSP Simulations on ASDEX Upgrade
Research output: Research › Article in proceedings – Annual report year: 2009

Comparison of collective Thomson scattering signals due to fast ions in ITER scenarios with fusion and auxiliary heating
Research output: Research › Journal article – Annual report year: 2009

Confinement of fast ions during applied resonant magnetic perturbations in TEXTOR using collective Thomson scattering diagnostic
Research output: Research › Article in proceedings – Annual report year: 2009

Decontamination of a rotating cutting tool during operation by means of atmospheric pressure plasmas
Research output: Research › Article in proceedings – Annual report year: 2009

EFDA Task TW6-TPDS-DIADEV deliverable 2: ITER Fast Ion Collective Scattering Development of diagnostic components and techniques
Research output: Research › Report – Annual report year: 2009

Engineering design of the ITER Collective Thomson Scattering diagnostic. Contract EFDA 06-1478
Research output: Research › Report – Annual report year: 2009

Fast ion collective Thomson scattering - present results and plans for ITER
Research output: Research › Conference abstract for conference – Annual report year: 2009

Fast ion distribution results of NB1 heated plasmas on ASDEX Upgrade using the Collective Thomson Scattering (CTS) diagnostic
Research output: Research › Article in proceedings – Annual report year: 2009

Fast ion measurements by collective Thomson scattering in TEXTOR and ASDEX Upgrade and proposal for the ITER CTS system
Research output: Research › Conference abstract for conference – Annual report year: 2009

First measurement of the ion Bernstein wave spectrum by means of Collective Thomson Scattering
Research output: Research › Conference abstract for conference – Annual report year: 2009

Impact of ICRH on the Measurement of Fast Ions by Collective Thomson Scattering in ITER
Research output: Research › Article in proceedings – Annual report year: 2009
Impact of ICRH on the measurement of fusion alphas by collective Thomson scattering in ITER
Research output: Research - peer-review › Journal article – Annual report year: 2009

Measurements of the ion Bernstein wave spectrum in TEXTOR by means of collective Thomson scattering
Research output: Research › Paper – Annual report year: 2009

mm-Wave Technology for the Collective Thomson Scattering Diagnostic
Research output: Research › Poster – Annual report year: 2009

mm-Wave Technology for the Collective Thomson Scattering Diagnostic
Research output: Research › Poster – Annual report year: 2009

NO reduction in the flue gas reaction with N2- and ammonia-derived radicals
Research output: Research › peer-review › Book chapter – Annual report year: 2009

Present Status of CTS on ITER
Research output: Research › Poster – Annual report year: 2009

Recent results of collective Thomson scattering on TEXTOR and plans for CTS on ITER
Research output: Research › Paper – Annual report year: 2009

Recent Results of the Collective Thomson Scattering Diagnostic at TEXTOR
Research output: Research › Article in proceedings – Annual report year: 2009

Strong Scattering of High Power Millimeter Waves in Tokamak Plasmas with Tearing Modes
Research output: Research - peer-review › Journal article – Annual report year: 2009

A line-of-sight electron cyclotron emission receiver for electron cyclotron resonance heating feedback control of tearing modes
Research output: Research - peer-review › Journal article – Annual report year: 2008

Characterization of plasmas and plasma treated polymeric material surfaces for adhesion improvement
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Collective Thomson scattering for ITER
Research output: Research › Paper – Annual report year: 2008

Commissioning activities and first results from the collective Thomson scattering diagnostic on ASDEX Upgrade (invited)
Research output: Research - peer-review › Conference article – Annual report year: 2008

Comparison of CTS signals due to NBI heating and alphas in ITER
Research output: Research › Article in proceedings – Annual report year: 2008

CTS diagnostic for anisotropic fast ion distributions on TEXTOR
Research output: Research › Article in proceedings – Annual report year: 2008

Fast Ion Collective Thomson Scattering Diagnostic for ITER: Progress of Design
Research output: Research › Article in proceedings – Annual report year: 2008

Fast Ion CTS diagnostic for ITER - state of design
Research output: Research › Article in proceedings – Annual report year: 2008
Fast ion CTS diagnostic for ITER - State of design
Research output: Research › Article in proceedings – Annual report year: 2008

Fast Ion Dynamics in ITER Measured by the Collective Thomson Scattering Diagnostic
Research output: Research › Poster – Annual report year: 2008

Fast Ion Transport Measured by Collective Thomson Scattering
Research output: Research › Poster – Annual report year: 2008

First results of the TEXTOR line of sight ECE system for ECRH feedback
Research output: Research › Article in proceedings – Annual report year: 2008

First scattering results of the Collective Thomson Scattering (CTS) diagnostic om ASDEX upgrade
Research output: Research › Article in proceedings – Annual report year: 2008

Gliding arc discharge — Application for adhesion improvement of fibre reinforced polyester composites
Research output: Research - peer-review › Conference article – Annual report year: 2008

Heating of First Mirrors for Millimetre Waves in ITER
Research output: Research › Poster – Annual report year: 2008

Heterodyne detector for measuring the characteristic of elliptically polarized microwaves
Research output: Research - peer-review › Journal article – Annual report year: 2008

Investigation of first mirror heating for the collective Thomson scattering diagnostic in ITER
Research output: Research - peer-review › Conference article – Annual report year: 2008

Microwave diagnostic for fusion energy research
Research output: Research › Conference abstract for conference – Annual report year: 2008

Plasma assisted pre-treatment of wheat straw for bioethanol production
Research output: Research › Paper – Annual report year: 2008

Plasma assisted pretreatment of wheat straw for bioethanol production
Research output: Research › Poster – Annual report year: 2008

Temporal evolution of confined fast-ion velocity distributions measured by collective Thomson scattering in TEXTOR
Research output: Research - peer-review › Journal article – Annual report year: 2008

The TEXTOR line-of-sight ECE system for feedback controlled ECRH power deposition
Research output: Research › Article in proceedings – Annual report year: 2008

Collective Thomson Scattering diagnostics of confined fast ions
Research output: Research › Conference abstract for conference – Annual report year: 2007

Fast ion behaviour in TEXTOR measured by collective Thomson scattering (CTS)
Research output: Research › Conference abstract for conference – Annual report year: 2007

Fast ion collective Thomson scattering (CTS) diagnostic results at TEXTOR, ASDEX upgrade, and status of the CTS design at ITER
Fast ion Collective Thomson Scattering diagnostic for ITER
Research output: Research › Conference abstract for conference – Annual report year: 2007

Fast ion collective Thomson scattering diagnostic for ITER - progress of design
Research output: Research › Conference abstract for conference – Annual report year: 2007

Fast ion CTS diagnostic for ITER - state of design
Research output: Research › Conference abstract in proceedings – Annual report year: 2007

Fast ions in fusion plasmas measured by CTS
Research output: Research › Conference abstract in proceedings – Annual report year: 2007

Fusion - a future energy option
Research output: Research › Paper – Annual report year: 2007

Gliding arc discharge - application for adhesion improvement of fibre reinforced polyester composites
Research output: Research › Paper – Annual report year: 2007

Inactivation of micro organisms by means of low temperature atmospheric pressure plasmas
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Neutral beam start-up dynamics on TEXTOR measured by collective Thomson scattering (CTS)
Research output: Research › Conference abstract for conference – Annual report year: 2007

Preliminary results from the Collective Thomson Scattering (CTS) diagnostic on ASDEX upgrade
Research output: Research › Conference abstract for conference – Annual report year: 2007

Recent fast ion measurements by collective Thomson scattering (CTS) at the TEXTOR tokamak
Research output: Research › Article in proceedings – Annual report year: 2007

Research issues regarding the collective Thomson scattering diagnostic for ITER
Research output: Research › Conference abstract for conference – Annual report year: 2007

Current experiments on fast ion collective Thomson scattering at TEXTOR and ASDEX upgrade, and ITER plans (invited talk)
Research output: Research › Conference abstract for conference – Annual report year: 2006

Current fast ion collective Thomson scattering diagnostics at TEXTOR and ASDEX Upgrade, and ITER plans (invited)
Research output: Research - peer-review › Conference article – Annual report year: 2006

Emission reduction by means of low temperature plasma. Summary
Research output: Research - peer-review › Report – Annual report year: 2006

Frequency measurements of the gyrotrons used for collective Thomson scattering diagnostics at TEXTOR and ASDEX Upgrade
Research output: Research - peer-review › Conference article – Annual report year: 2006

Gyrotron frequency measurements for fast ion CTS diagnostics at TEXTOR and ASDEX upgrade (poster)
Research output: Research › Conference abstract for conference – Annual report year: 2006
Modification of glassy carbon surfaces by atmospheric pressure cold plasma torch
Research output: Research • Article in proceedings – Annual report year: 2006

Modification of glassy carbon surfaces by atmospheric pressure cold plasma torch
Research output: Research • Article in proceedings – Annual report year: 2006

Morphological and chemical modification of glassy carbon surfaces by an atmospheric pressure cold plasma torch
Research output: Research • Conference abstract for conference – Annual report year: 2006

Plasma chemistry in atmospheric pressure dielectric barrier discharges
Research output: Research • Article in proceedings – Annual report year: 2006

Progress on the fast ion millimetre wave CTS diagnostics on TEXTOR and ASDEX upgrade and status of the CTS design for ITER
Research output: Research • Article in proceedings – Annual report year: 2006

Progress towards a fast ion collective Thomson scattering diagnostic for ITER
Research output: Research • Conference abstract for conference – Annual report year: 2006

Reduction of NO in the exhaust gas by reaction with N radicals
Research output: Research • Journal article – Annual report year: 2006

Reduction of NOx by plasma-assisted methods
Research output: Research • Article in proceedings – Annual report year: 2006

Plasma chemistry in an atmospheric pressure Ar/NH3 dielectric barrier discharge
Research output: Research • Journal article – Annual report year: 2005

Production of ammonia-derived radicals in a dielectric barrier discharge and their injection for denitrification
Research output: Research • Journal article – Annual report year: 2005

Detection of NH2 and NH in atmospheric pressure Ar/NH3 dielectric barrier discharge
Research output: Research • Article in proceedings – Annual report year: 2004

Plasma chemistry in an atmospheric pressure Ar/NH3 dielectric barrier discharge (oral presentation)
Research output: Research • Article in proceedings – Annual report year: 2004

Production of ammonia radicals in a dielectric barrier discharge and their injection for denitrification
Research output: Research • Conference abstract in proceedings – Annual report year: 2004

Projects:

Udvikling og design af et mikrobølgemodtagersystem til måling af hurtige ioner i fusionseksperimenter
Project: PhD