Mirko Salewski - DTU Orbit (18/01/2019)

Mirko Salewski
Associate Professor
Department of Physics
Plasma Physics and Fusion Energy

Postal address:
Fysikvej
309, 256
2800
Kgs. Lyngby
Denmark
Email: msal@fysik.dtu.dk
Mobile: 23668444
Fax: 4593 1669
Web: http://www.staff.dtu.dk/msal

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

Measuring fast ions in fusion plasmas with neutron diagnostics at JET
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

Beam-Ion Acceleration during Edge Localized Modes in the ASDEX Upgrade Tokamak
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

Fast ion D-alpha measurements using a bandpass-filtered system on EAST
Research output: Research - peer-review › Journal article – Annual report year: 2018

High resolution gamma-ray spectrometer with MHz capabilities for runaway electron studies at ASDEX Upgrade
Research output: Research - peer-review › Journal article – Annual report year: 2018

Neutronics analysis of the ITER Collective Thomson Scattering system
Research output: Research - peer-review › Journal article – Annual report year: 2018

Recent progress in fast-ion diagnostics for magnetically confined plasmas
Research output: Research - peer-review › Review – Annual report year: 2018
Velocity-space sensitivity and tomography of scintillator-based fast-ion loss detectors
Research output: Research - peer-review › Journal article – Annual report year: 2018

Velocity-space tomography using prior information at MAST
Research output: Research - peer-review › Journal article – Annual report year: 2018

Collective Thomson scattering data analysis for Wendelstein 7-X
Research output: Research - peer-review › Conference article – Annual report year: 2017

Conceptual design of the Radial Gamma Ray Spectrometers system for α particle and runaway electron measurements at ITER
Research output: Research - peer-review › Journal article – Annual report year: 2017

Efficient generation of energetic ions in multi-ion plasmas by radio-frequency heating
Research output: Research - peer-review › Journal article – Annual report year: 2018

Fast-ion transport in low density L-mode plasmas at TCV using FIDA spectroscopy and the TRANSP code
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

Overview of ASDEX Upgrade results
Research output: Research - peer-review › Journal article – Annual report year: 2017

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

Parametric decay instability near the upper hybrid resonance and anomalous mm-wave scattering in tokamak and stellarator plasmas
Research output: Research - peer-review › Conference article – Annual report year: 2017

Parametric decay instability near the upper hybrid resonance in magnetically confined fusion plasmas
Research output: Research - peer-review › Journal article – Annual report year: 2017

Phase-space resolved measurement of 2nd harmonic ion cyclotron heating using FIDA tomography at the ASDEX Upgrade tokamak: Paper
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
Recent H majority inverted radio frequency heating scheme experiments in JET-ILW
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

Velocity-space sensitivities of neutron emission spectrometers at the tokamaks JET and ASDEX upgrade in deuterium plasmas
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
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

Enhancement of the FIDA diagnostic at ASDEX Upgrade for velocity space tomography
Research output: Research - peer-review » Journal article – 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

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

Modelling third harmonic ion cyclotron acceleration of deuterium beams for JET fusion product studies experiments
Research output: Research - peer-review » Journal article – Annual report year: 2016
Numerical and experimental study of the redistribution of energetic and impurity ions by sawteeth in ASDEX Upgrade:
Paper
Research output: Research - peer-review › Journal article – 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

3D particle tracking velocimetry using dynamic discrete tomography
Research output: Research - peer-review › Journal article – Annual report year: 2015

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

Dual sightline measurements of MeV range deuterons with neutron and gamma-ray spectroscopy at JET
Research output: Research - peer-review › Journal article – Annual report year: 2015

Fast-ion transport and neutral beam current drive in ASDEX upgrade
Research output: Research - peer-review › Journal article – Annual report year: 2015

Gamma-ray emission spectrum from thermonuclear fusion reactions without intrinsic broadening
Research output: Research - peer-review › Journal article – Annual report year: 2015

Influence of ion cyclotron heating and MHD instabilities on the fast-ion distribution in ASDEX Upgrade
Research output: Research - peer-review › Article in proceedings – Annual report year: 2015

Measurement and interpretation of active Balmer alpha spectra at ASDEX Upgrade
Research output: Research - peer-review › Article in proceedings – Annual report year: 2015

Measurements of 3D slip velocities and plasma column lengths of a gliding arc discharge
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

Methods to determine fast-ion distribution functions from multi-diagnostic measurements
Research output: Research › Ph.D. thesis – Annual report year: 2015

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

Quantification of the impact of large and small-scale instabilities on the fast-ion confinement in ASDEX Upgrade
Research output: Research - peer-review › Journal article – Annual report year: 2015

Recent ASDEX Upgrade research in support of ITER and DEMO
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 bias of kinetic temperature measurements in complex plasmas
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

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

Spectrum response and analysis of 77 GHz band collective Thomson scattering diagnostic for bulk and fast ions in LHD plasmas: Paper
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

W-band waveguide bandpass filter with E-plane cut
Research output: Research - peer-review › Journal article – Annual report year: 2014

3D particle tracking velocimetry using dynamic discrete tomography for plasma physics applications
Research output: Research - peer-review › Conference abstract in journal – 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

Investigation of NOx Reduction by Low Temperature Oxidation Using Ozone Produced by Dielectric Barrier Discharge
Research output: Research - peer-review › Journal article – 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

Overview of the JET results with the ITER-like wall
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

Progress on Bayesian Inference of the Fast Ion Distribution Function
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2013

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

Waveguide Bandpass Filters for Millimeter-Wave Radiometers
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

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

Endwall convective heat transfer for bluff bodies
Research output: Research - peer-review › Journal article – Annual report year: 2011

Experimental and simulated fast ion velocity distributions on collective Thomson scattering diagnostic in the Large Helical Device
Research output: Research › Article in proceedings – Annual report year: 2012

Investigation of NOx reduction by low temperature oxidation and direct plasma treatment
Research output: Research › Article in proceedings – 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

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

NOx reduction by ozone injection and direct plasma treatment
Research output: Research › Article in proceedings – 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 › 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

Towards Bayesian Inference of the Fast-Ion Distribution Function
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2013

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

Comparison of measured and simulated fast ion velocity distributions in the TEXTOR tokamak
Research output: Research - peer-review › Journal article – 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

Development of collective Thomson scattering diagnostic for bulk and fast ions in the Large Helical Device
Research output: Research › Poster – 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

Observation of fast ion velocity distribution and driven waves by collective Thomson scattering diagnostic in the Large Helical Device
Research output: Research › Article in proceedings – 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

PIV Measurements of Turbulent Flow in a Channel with Solid or Perforated Ribs
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Principles of fuel ion ratio measurements in fusion plasmas by collective Thomson scattering
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

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
Collective Thomson scattering of a high power electron cyclotron resonance heating beam in LHD
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

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

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

Turbulent flow in a ribbed channel: Flow structures in the vicinity of a rib
Research output: Research - peer-review › Journal article – Annual report year: 2010

Antenna design for fast ion collective Thomson scattering diagnostic for the international thermonuclear experimental reactor
Research output: Research - peer-review › 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 - peer-review › 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
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

Effects of aerodynamic particle interaction in turbulent non-dilute particle-laden flow
Research output: Research › peer-review › Journal article – 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 scattering results of the Collective Thomson Scattering (CTS) diagnostic on ASDEX upgrade
Research output: Research › Article in proceedings – Annual report year: 2008

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

Identification and analysis of vortical structures in a ribbed channel
Research output: Research › peer-review › Article in proceedings – 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

Mixing in Circular and Non-circular Jets in Crossflow
Research output: Research › peer-review › Journal article – Annual report year: 2008

Simulations of a Turbulent Flow Past a Sudden Expansion: A Sensitivity Analysis
Research output: Research › peer-review › Journal article – Annual report year: 2008

A Comparison of Single and Multiphase Jets in a Crossflow Using Large Eddy Simulations
Research output: Research › peer-review › Journal article – Annual report year: 2007
Consistency issues of Lagrangian particle tracking applied to a spray jet in crossflow
Research output: Research › peer-review › Journal article – Annual report year: 2007

Droplet Deformation Effects in Lagrangian Particle Tracking of a Spray Jet in Crossflow
Research output: Research › peer-review › Article in proceedings – Annual report year: 2007

Fast ion collective Thomson scattering (CTS) diagnostic results at TEXTOR, ASDEX upgrade, and status of the CTS design at ITER
Research output: Research › Paper – 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

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

Large Eddy Simulation of Spray Combustion in a Swirl-Stabilized Gas Turbine Burner
Research output: Research › peer-review › Article in proceedings – Annual report year: 2007

Large Eddy Simulation of Spray Dispersion and Mixing in a Swirl Stabilized Gas Turbine Burner
Research output: Research › peer-review › Article in proceedings – Annual report year: 2007

Preliminary results from the Collective Thomson Scattering (CTS) diagnostic on ASDEX upgrade
Research output: Research › Conference Thomson scattering diagnostic on ASDEX upgrade – 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

The effect of RF- and NBI-driven fast ions in ITER on various diagnostics
Research output: Research › Paper – Annual report year: 2007

Coherent Structures in Circular and Non-Circular Jets in Crossflow
Research output: Research › peer-review › Article in proceedings – Annual report year: 2006

Dispersion of Circular, Non-Circular, and Swirling Spray Jets in Crossflow
Research output: Research › peer-review › Article in proceedings – Annual report year: 2006

LES of Jets and Sprays Injected into Crossflow
Research output: Research › Ph.D. thesis – Annual report year: 2006

Numerical Study of Thermo-Acoustic Wave Generation by a Swirling Flame Using a New Approach Based on Large Eddy Simulation
Research output: Research › peer-review › Article in proceedings – Annual report year: 2005

Projects:
Velocity-space tomography from KeV MeV-range ions in fusion plasmas
Project: PhD

The influence of neutral particles on blob filaments in magnetically confined plasma
Project: PhD

Methods to determine fast-ion distribution functions from multidiagnostic measurements
Project: PhD