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

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

**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

**Mobilizing industry for ‘big science’**
Research output: Communication › Journal article – Annual report year: 2017

**Observation of short time-scale spectral emissions at millimeter wavelengths with the new CTS diagnostic on the FTU tokamak: Paper**
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
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

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

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

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

First operations with the new Collective Thomson Scattering diagnostic on the Frascati Tokamak Upgrade device
Research output: Research - peer-review › Conference 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

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

Association Euratom - DTU, Technical University of Denmark, Department of Physics - Annual Progress Report 2013
Research output: Research - Report – 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

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

Strong scattering of mm-waves in tokamaks
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2014

The perspectives of fusion energy: The roadmap towards energy production and fusion energy in a distributed energy system
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

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

Association Euratom - DTU, Technical University of Denmark, Department of Physics - Annual Progress Report 2012
Research output: Research › Report – Annual report year: 2014

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

DTU contribution to the task Development and application of ETM dissemination strategies: Final Report
Research output: Research › Report – Annual report year: 2014

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

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

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

Association Euratom - DTU, Technical University of Denmark, Department of Physics - Annual Progress Report 2011
Research output: Research › Report – 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
Experimental and simulated fast ion velocity distributions on collective Thomson scattering diagnostic in the Large Helical Device
Research output: Research - peer-review › 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

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

Fast Ion Dynamics In ASDEX Upgrade and TEXTOR Measured by Collective Thomson Scattering
Research output: Research › Ph.D. thesis – 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

Association Euratom - Risø National Laboratory for Sustainable Energy, Technical University of Denmark - Annual Progress Report 2010
Research output: Research › Report – Annual report year: 2011

Collective Thomson scattering by using a 77GHz gyrotron for bulk and fast ion measurements in LHD
Research output: Research › Sound/Visual production (digital) – 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
Long-term modelling of Carbon Capture and Storage, Nuclear Fusion, and large-scale District Heating
Research output: Research - peer-review › Article in proceedings – 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

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

Research output: Research › Report – Annual report year: 2010

Association Euratom - Risø National Laboratory for Sustainable Energy, Technical University of Denmark - Annual Progress Report 2009
Research output: Research › Report – Annual report year: 2010

Broadband mm-Wave Notch Filter for ECE Applications
Research output: Research › Poster – 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

Requirements for calibration and testing of ITER microwave based diagnostic front-end components, ITER D 33ZRFR
Research output: Research › Report – 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

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

EFDA task DIAG-01-05 on Fuel ion ratio measurements
Research output: Research › Conference abstract for conference – Annual report year: 2009

EFDA task on Fuel ion ratio measurements
Research output: Research › Conference abstract for conference – 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

Fuel ion ration measurements
Research output: Research › Conference abstract for conference – Annual report year: 2009

Fuelling diagnostics for burning plasmas
Research output: Research › Conference abstract for conference – Annual report year: 2009

Fusion energy - an abundant energy source for the future
Research output: Research › Sound/Visual production (digital) – Annual report year: 2009

Fusionsenergi og plasmafysik: Risø DTU plasmafysik roadshow
Research output: Communication › Paper – 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

Industriens netværkssamarbejde om leverancer til store forskningsanlæg
Research output: Communication › Paper – Annual report year: 2009

Investigation of fast-ion dynamics on ASDEX-Upgrade and TEXTOR using collective Thomson scattering
Research output: Research › Working paper – 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

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

Fusion and plasma road show
Research output: Research › Paper – Annual report year: 2008

Heating of First Mirrors for Millimetre Waves in ITER
Research output: Research › Poster – 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

Making collective Thomson scattering work as a diagnostic on TEXTOR and ASDEX upgrade
Research output: Research › Paper – Annual report year: 2008

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

PI Activities in the Danish Association
Research output: Research › Paper – Annual report year: 2008

Progress towards full feedback control of MHD instabilities by ECRH on TEXTOR
Research output: Research › Paper – 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

Commissioning a microwave based Collective Thomson Scattering (CTS) diagnostic on ASDEX-upgrade
Research output: Research › Conference abstract for conference – Annual report year: 2007

Danish industry and ITER
Research output: Communication › Paper – Annual report year: 2007

Design of a dedicated ECE diagnostic for feedback control of instabilities by ECRH
Research output: Research › peer-review › Article in proceedings – Annual report year: 2007

Energy supply technologies. Fusion energy
Research output: Research › peer-review › Book chapter – 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
Research output: Research › Paper – Annual report year: 2007
Fast ion collective Thomson scattering diagnostic for ITER
Research output: Research - peer-review » Article in proceedings – Annual report year: 2007

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 ion dynamics in magnetically confined plasma measured by collective Thomson scattering
Research output: Research » peer-review » Conference article – Annual report year: 2007

Fast-ion dynamics in the TEXTOR tokamak measured by collective Thomson scattering
Research output: Research » peer-review » Conference article – 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

ITER fast ion collective Thomson scattering. Conceptual design of 60 GHz system
Research output: Research » Report – 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

The effect of RF- and NBI-driven fast ions in ITER on various diagnostics
Research output: Research » Paper – 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
Design of a dedicated ECE diagnostic for feedback control of instabilities by ECRH (poster)
Research output: Research › Conference abstract for conference – Annual report year: 2006

Fast ion collective Thomson scattering diagnostic for ITER (poster)
Research output: Research › Poster – Annual report year: 2006

Fast-ion dynamics in the TEXTOR tokamak measured by collective Thomson scattering
Research output: Research - peer-review › Journal article – 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

ITER - "vejen til fremtidens uudtømmelige energikilde - fusionsenergi"
Research output: Research › Conference abstract for conference – Annual report year: 2006

Measurements of fast ions in fusion experiments
Research output: Research › Conference abstract for conference – 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

Fast ion behaviour measured from CTS (poster)
Research output: Research › Article in proceedings – Annual report year: 2005

Fast ion collective Thomson scattering on TEXTOR and ASDEX upgrade
Research output: Research › Conference abstract for conference – Annual report year: 2005

Frequency measurements of the 110 GHz gyrotron used for fast ion CTS diagnostics at TEXTOR
Research output: Research › Conference abstract for conference – Annual report year: 2005

Overview of core diagnostics for TEXTOR
Research output: Research - peer-review › Journal article – Annual report year: 2005

Preliminary results of the new fast ion CTS systems at TEXTOR and ASDEX upgrade
Research output: Research › Conference abstract for conference – Annual report year: 2005

Progress of the CTS diagnostics on TEXTOR and ASDEX upgrade (poster)
Research output: Research › Article in proceedings – Annual report year: 2005

Design of the collective Thomson scattering diagnostic for International Thermonuclear Experimental Reactor at the 60 GHz frequency range
Research output: Research - peer-review › Conference article – Annual report year: 2004
Analysis of determination of Reynolds stress in drift wave turbulence (poster)
Research output: Research › Article in proceedings – Annual report year: 2002

Fast-ion collective Thomson scattering diagnostic on TEXTOR Tokamak (poster)
Research output: Research › Article in proceedings – Annual report year: 2002

L-H transition in the mega-Amp spherical tokamak
Research output: Research - peer-review › Journal article – Annual report year: 2002

Taming driftwave turbulence: Numerical simulations and experiment (poster)
Research output: Research › Conference abstract in proceedings – Annual report year: 2002

Analysis of determination of Reynolds stress in drift wave turbulence (poster)
Research output: Research › Conference abstract in proceedings – Annual report year: 2001

Confinement in L and H-mode MAST plasmas (poster)
Research output: Research › Conference abstract in proceedings – Annual report year: 2001

Fast-ion collective Thomson scattering diagnostic on TEXTOR Tokamak (poster)
Research output: Research › Poster – Annual report year: 2001

First results from MAST
Research output: Research - peer-review › Journal article – Annual report year: 2001

Flows and transport in 3D drift Alfvén turbulence (invited talk)
Research output: Research › Conference abstract in proceedings – Annual report year: 2001

Impurity radiation amp; Transport in the MAST Tokamak (poster)
Research output: Research › Poster – Annual report year: 2001

Reynolds stress and effects of external and self-generated shear flows (poster)
Research output: Research › Conference abstract in proceedings – Annual report year: 2001

Reynolds stress and shear flow generation
Research output: Research - peer-review › Journal article – Annual report year: 2001

Taming driftwave turbulence: Numerical simulations and experiment (poster)
Research output: Research › Conference abstract in proceedings – Annual report year: 2001

Density fluctuation measurements in the mega amp spherical tokamak
Research output: Research › Conference abstract in proceedings – Annual report year: 2000

Introduction to fusion energy and fusion research
Research output: Research › Conference abstract for conference – Annual report year: 2000

Introduction to fusion energy and fusion research
Research output: Research › Conference abstract for conference – Annual report year: 2000

Reflectometry measurements of turbulence in MAST
Research output: Research › Conference abstract for conference – Annual report year: 2000
Reynolds stress and shear flow generation
Research output: Research › Conference abstract in proceedings – Annual report year: 2000

Density and temperature gradient driven drift waves
Research output: Research › Article in proceedings – Annual report year: 1999

Fusion energy research
Research output: Research › Conference abstract in proceedings – Annual report year: 1999

Nonlinear dynamics of resistive electrostatic drift waves
Research output: Research › Journal article – Annual report year: 1999

Plasma transport, zonal flows and Reynolds stress in 2 and 3D models of drift wave turbulence
Research output: Research › Conference abstract for conference – Annual report year: 1999

Plasma transport, zonal flows, and Reynolds stress in 2 and 3D models of drift wave turbulence
Research output: Research › Conference abstract in proceedings – Annual report year: 1999

Poloidal flows and transport in non-periodic 3D simulations of the Hasegawa-Wakatani model
Research output: Research › Conference abstract for conference – Annual report year: 1999

Resistive drift wave turbulence in a three-dimensional geometry
Research output: Research › Journal article – Annual report year: 1999

Three dimensional drift wave simulations
Research output: Research › Conference abstract in proceedings – Annual report year: 1999

Three-dimensional simulations of drift-wave turbulence
Research output: Research › Article in proceedings – Annual report year: 1999

Three dimensional studies of a modified Hasegawa-Wakatani model
Research output: Research › Article in proceedings – Annual report year: 1999

3D simulations of drift-wave turbulence
Research output: Research › Conference abstract for conference – Annual report year: 1998

Three dimensional numerical investigations of drift wave turbulence in plasmas
Research output: Research › Conference abstract in proceedings – Annual report year: 1998

Three-dimensional simulations of drift-wave turbulence
Research output: Research › Conference abstract for conference – Annual report year: 1998

Three dimensional study of the Hasegawa-Wakatani drift-wave model
Research output: Research › Conference abstract for conference – Annual report year: 1998

Three dimensional study of the Hasegawa-Wakatani drift-wave model
Research output: Research › Article in proceedings – Annual report year: 1998

Three-dimensional study of the Hasegawa-Wakatani drift wave model
Research output: Research › Conference abstract in proceedings – Annual report year: 1998
Projects:

Kohærente strukturer og transport i driftbølge-plasmaturbulens
Project: PhD

Fast Ion Dynamics in ASDEX Upgrade Measured by Collective Thomson Scattering
Project: PhD

Activities:

ITPA Diagnostics Topical Group (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ATV Sustain conference
Activity: Talks and presentations › Conference presentations

Efteruddannelseskursus i plasmafysik og fusion
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Kursus i plasmafysik og fusion
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Danish Instruments for Big Science 2016
Activity: Attending an event › Participating in or organising a conference

Fusionsenergi – hvordan går det med at efterligne solen?
Activity: Talks and presentations › Conference presentations

Styrelsen for Forskning og Innovation (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Fusion Roadshow
Activity: Talks and presentations › Conference presentations

Roadshow om fusionsenergi og plasmafysik
Activity: Talks and presentations › Conference presentations

Roadshow om fusionsenergi og plasmafysik
Activity: Talks and presentations › Conference presentations

Roadshow om fusionsenergi og plasmafysik
Activity: Talks and presentations › Conference presentations
Fusion Roadshow
Activity: Talks and presentations › Conference presentations

Fast ion measurements by collective Thomson scattering in TEXTOR and ASDEX Upgrade and proposal for the ITER CTS system
Activity: Talks and presentations › Conference presentations

Seminar at Uppsala University: Fast ion measurements by collective Thomson scattering in TEXTOR and ASDEX Upgrade and proposal for the ITER CTS system
Activity: Talks and presentations › Conference presentations

Fusionsenergi og plasmafysik
Activity: Talks and presentations › Conference presentations

Fusion og plasma road show
Activity: Talks and presentations › Conference presentations

Fusion og plasma road show
Activity: Talks and presentations › Conference presentations

Fusion og plasma road show
Activity: Talks and presentations › Conference presentations

Fusion og plasma road show
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Riss DTUs roadshow om fusion og plasmafysik
Activity: Talks and presentations › Conference presentations

Fusion og plasma roadshow
Activity: Talks and presentations › Conference presentations

ITER - the way to fusion energy
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

ITER - en mulighed for dansk industri
Activity: Talks and presentations › Conference presentations

Fusion energy, ITER and spin offs
Activity: Talks and presentations › Conference presentations

Udvikling af danske erhvervsmuligheder i ITER
Activity: Talks and presentations › Conference presentations

Fusionsenergi og ITER
Activity: Talks and presentations › Conference presentations

Styrelsen for Forskning og Innovation (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Udvikling af danske erhvervsmuligheder i ITER
Activity: Talks and presentations › Conference presentations

European Fusion Development Agreement (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Press clippings:

Artikel på DR.dk om fusionsenergi
Press/Media: Press / Media

Interview til Ren og evig energi: Kunstig intelligens skal hjælpe med at lave en sol på Jorden
Press/Media: Press / Media

Interview i DR2 Dagen om fusionsenergi, CPH|DOX og Let there be light
Press/Media: Press / Media

Sommertema i DR P1 Orientering
Press/Media: Press / Media

Interview i TV2 Nyhederne med Skammelsen: TV2s 22-Nyhederne med Poul Erik Skammelsen
Press/Media: Press / Media

Interview i TV2 News - New Science - om Viborg Mercantec fusoren: Indslag i forbindelse med Viborg Tekniske Gymnasiums åbningsceremoni for deres fusor
Press/Media: Press / Media
Fuld fart på forskningen i fusionskraft: Interview på videnskab.dk
Press/Media: Press / Media

DTU får kæmpeordre på avanceret måleudstyr til fusionsreaktor
Press/Media: Press / Media

Danske fysikere åbner vindue til proceserne i Solens kerne
Press/Media: Press / Media

Derfor liv på jorden og ikke på Venus
Press/Media: Press / Media

Hvilke tekniske problemstillinger skal løses, før fusionsprocessen kan indgå i energiforsyningen?
Press/Media: Press / Media

Forsker til læserne: Vi kan forvente fusionsenergi omkring år 2050
Press/Media: Press / Media

Foredrag med spræl i
Press/Media: Press / Media

Fusionsenergiforskning – internationalt samarbejde mod fremtidens energikilde
Press/Media: Press / Media

tv-interview i forbindelse med klimatopmødet for børn og unge ved COP15
Press/Media: Press / Media

Tracking the fast ion
Press/Media: Press / Media

Klimaforandringer er naturens orden
Press/Media: Press / Media

Interview om fusionsenergi og dansk fusionsforskning
Press/Media: Press / Media

Solkraft kommer til en kontakt nær dig
Press/Media: Press / Media

Hvorfor satses der ikke mere på Polywell-fusionsprojektet?
Press/Media: Press / Media

Hvordan laver man fusionsenergi?
Press/Media: Press / Media