TUESDAY, 21 June 2022	
16:30-18:00 Poster session 1	
Nr	**Presenter, title**
1.	Matt Kriete (Auburn University, USA), *Effects of drifts on scrape-off layer transport in W7-X*
2.	Grzegorz Pełka (IPPLM, Poland), *Good divertor coverage by magnetic field line tracing-based mesh*
3.	Stuart Hudson (PPPL, USA), *Calculating the vacuum field consistent with the virtual casing*
4.	Carsten Killer (IPP Greifswald, Germany), *Experimental observation of plasma beta effects in the island divertor SOL of W7-X in the "low iota" configuration*
5.	Elizabeth Paul (Princeton University, USA), *Energetic particle transport in 3D magnetic fields: Loss mechanisms and optimization strategies*
6.	Joachim Geiger (IPP Greifswald, Germany), *HINT equilibrium calculations for W7-X for cases with internal magnetic islands*
7.	Ulrich Neuner (IPP Greifswald, Germany), *Radial position of the toroidal current inferred from external magnetic probe measurements*
8.	Bartosz Zamorski (University of Szczecin, Poland), *Identification of divertor flux drifts and their dependence on plasma parameters within Wendelstein 7-X through proper orthogonal decomposition*
9.	Sławomir Jabłoński (IPPLM, Poland), *Determination of the averaged Zeff for the W7-X plasma based on the PHA spectra*
10.	Thomas Windisch (IPP Greifswald, Germany), *Doppler reflectometry system upgrades for Wendelstein 7-X OP2*
11.	Kian Rahbarnia (IPP Greifswald, Germany), *MHD-mode activity in high-performance experiments at Wendelstein 7-X*
12.	Gavin Weir (IPP Greifswald, Germany), *Multi-harmonic analysis of heat pulse propagation experiments on W7-X*
13.	Gabriele Partesotti (IPP Greifswald, Germany), *Design of compact bolometer cameras for investigation of poloidal and toroidal radiation asymmetries in W7-X*
14.	Craig Beidler (IPP Greifswald, Germany), *An additional neoclassical optimization goal for improving the reactor prospects of the HELIAS concept*
15.	Jason Smoniewski (IPP Greifswald, Germany), *Preliminary design of EPOS for charged particle injection*
16.	Katia Camacho Mata (IPP Greifswald, Germany), *Direct construction of a quasi-isodynamic large aspect ratio stellarator*
17.	Santhosh Kumar (UW Madison, USA), *Experimental program and plans for HSX upgrade*
18.	Dario Panici (Princeton University, USA), *Comparison of the DESC and VMEC 3D Equilibrium Codes*
19.	Ireneusz Książek (Opole University, Poland), *Approximation of spatial distribution of W7-X plasma parameters for study of output of "C/O monitor for W7-X" system*
20.	Paul Mulholland (TU/e, the Netherlands), *KBM and finite-β ITG turbulence in the Wendelstein 7-X stellarator*
21.	Gabriel Plunk (IPP Greifswald, Germany), *The direct construction of quasi-isodynamic magnetic fields that break stellarator symmetry*
22.	Sara Vaz Mendes (IPP Greifswald, Germany), *Investigation of driving mechanisms of dominant Alfvén eigenmodes at the Wendelstein 7-X stellarator during the first operational phase*
23.	Linda Podavini (IPP Greifswald, Germany), *Validation of theoretical upper bounds on local gyrokinetic instabilities*
24.	Pedro Pons-Villalonga (CIEMAT, Spain), *New in-vessel helical arrays of magnetic coils in TJ-II: calibration and preliminary results*
25.	Humberto Trimino (IPP Greifswald, Germany), *Design of a heavy ion beam probe diagnostic for Wendelstein 7-X*
26.	Gareth Roberg-Clark (IPP Greifswald, Germany), *Coarse-grained gyrokinetics for the critical ion temperature gradient in stellarators*
27.	Juan Fernando Guerrero Arnaiz (IPP Greifswald, Germany), *Investigation of spontaneous transitions to high core-electron temperatures in W7-X low-iota plasmas*

28.	Felix Wilms (IPP Garching, Germany), *Full-flux-surface effects on maximum-J stabilisation in Wendelstein 7-X*
29.	Marion Smedberg (IPP Garching, Germany), *Progress on a 3D extension of GENE-X, a gyrokinetic turbulence code for the plasma edge and scrape-off layer*
30.	Jan-Peter Bähner (MIT PSFC, USA), *Zonal-flow-like modulations of the binormal flow velocity in Wendelstein 7-X*
31.	Alessandro Zocco (IPP Greifswald, Germany), *Gyrokinetic electrostatic turbulence close to marginality in Wendelstein 7-X*
32.	Stefan Buller (University of Maryland, USA), *Optimizing stellarators to maximize turbulent impurity transport over energy transport*
33.	Akihiro Shimizu, (NIFS, Japan), *Recent advances of engineering design and construction of quasi-axisymmetric stellarator CFQS*
34.	Stepan Sereda, (UW Madison, USA), *He exhaust property in helical divertor at LHD*

THURSDAY, 23 June 2022	
15:45-17:15 Poster session 2	
Nr	**Presenter, title**
1.	Javier H. Nicolau (UC Irvine, USA), *Gyrokinetic simulations of the helically trapped electron mode in the W7-X stellarator*
2.	Ralf Mackenbach (TU/e, the Netherlands), *Available Energy and Its Relation to Turbulent Transport*
3.	Andreas Krämer-Flecken (FZJ, Germany), *Influence of plasma current modulation on turbulence suppression*
4.	Rohan Ramasamy (IPP Garching, Germany), *Progress towards nonlinear MHD studies of optimised stellarators using the JOREK code*
5.	David Kulla (IPP Greifswald, Germany), *Simulations of fast ions in Wendelstein 7-X*
6.	Christopher Albert (TU Graz, Austria), *Alpha particle confinement metrics based on orbit classification*
7.	Adrian von Stechow (IPP Greifswald, Germany), *Reduced turbulent fluctuations after massive laser blow-off impurity injections in Wendelstein 7-X*
8.	Antonio González-Jerez (CIEMAT, Spain), *Study of turbulent fluctuations in Wendelstein 7-X with gyrokinetic simulations and Doppler Reflectometry*
9.	Gregor Pechstein (IPP Greifswald, Germany), *Investigation of heat conduction of plasmas in a magnetic field with an island*
10.	Mike Machielsen (EPFL SPC, Switzerland), *Modelling of combined RF-NBI heating in W7-X*
11.	Erik Flom (UW-Madison, USA), *Bayesian modeling of the helium beam diagnostic at Wendelstein 7-X and its associated model uncertainties*
12.	Małgorzata Jabłczyńska (IPPLM, Poland), *Wendelstein 7-X plasma edge simulations using FINDIF*
13.	Alexandra LeViness (PPPL, USA), *Energetic particle optimization of quasi-axisymmetric stellarator equilibria*
14.	Xian-Qu Wang (SWJTU, China), *Energetic ion-driven Alfvén eigenmodes in high-beta quasi-axisymmetric stellarator plasmas*
15.	Xiang Su (SWJTU, China), *Suppression of three-dimensional magnetic islands by toroidal currents in the CFQS quasi-axisymmetric stellarator*
16.	Javier Escoto (CIEMAT, Spain), *Towards a fast and accurate calculation of the bootstrap current in low collisionality stellarator plasmas*
17.	Michael Drevlak (IPP Greifswald, Germany), *Optimisation of sheet currents for stellarators*
18.	Sebastian Bannmann (IPP Greifswald, Germany), *Plasma profile inference from beam emission spectra at Wendelstein 7-X*
19.	Alan Goodman (IPP Greifswald, Germany), *Optimizing Quasi-Isodynamic Stellarators*
20.	Jie Huang (SWJTU, China), *Gyrokinetic studies of microinstabilities in Chinese First Quasi-axisymmetric Stellarator*
21.	Yichao Zhang (SWJTU, China), *Suppression of Non-axisymmetric Field–induced α-particle Loss Channels in a Quasi-axisymmetric Stellarator*

22.	Rory Conlin (Princeton University, USA), *Perturbation methods for stellarator equilibria*
23.	Patrick Kim (IREAP, University of Maryland, USA), *Stellarator Nonlinear Gyrokinetic Simulations Using Near-Axis Magnetic Fields*
24.	Thomas Kruger (UW Madison, USA), *Minimizing Magnetic Island Width Sensitivity to Coil Shape Perturbations*
25.	Timo Dittmar (FZJ, Germany), *The 13C impurity transport experiment at Wendelstein 7-X*
26.	Mykola Ialovega (UW Madison, USA), *Advanced manufacturing of plasma-facing components for light-weight divertor concepts in stellarators*
27.	Eve V. Stenson (IPP Garching, Germany), *Designing a stellarator for electron-positron plasmas*
28.	Benjamin Faber (UW Madison, USA), *Improving quasihelically symmetric stellarators: confinement optimization at the University of Wisconsin-Madison*
29.	Jie Yang (FZJ, Germany), *The first attempt on island divertor configuration using the m/n=3/1 resonant magnetic perturbations on J-TEXT*
30.	Jianwen Liu (FZJ, Germany), *Measurements of two-dimensional divertor plasma electron temperature and density profiles using high spatial resolution filter cameras on W7-X*
31.	Arturo Alonso (CIEMAT, Spain), *From present-day stellarators to a demonstration reactor: sizing and plasma physics regimes of intermediate devices*
32.	Tony Qian (PPPL, USA), *Stellarator Fields without Stellarator Coils: MUSE a permanent magnet stellarator experiment*
33.	Emmanouil Maragkoudakis (CIEMAT, Spain), *On the SOL radial electric field, divertor heat fluxes and plasma edge turbulence of Wendelstein 7-X*