FuseNet PhD event 2024 - Stuttgart

Poster Session 3 Thursday 11:45 – 12:45

Panel	ID	Name	Contribution title (draft)
1	84	Kateryna Poleshchuk	Validation of the methodology for testing irradiated W/Cu/CuCrZr joints
2	85	Marek Tunkl	Modeling X-ray Emissions from Runaway Electrons in the GOLEM Tokamak with Geant4
3	86	Christos Vagkidis	Numerical investigation of the effect of the edge localized modes on microwave propagation in tokamak plasmas
4	87	Thomas Wilson	The effect of turbulence on the coupling of electron bernstein waves
5	88	Susilo Hadi	Measurement of the helium and hydrogen concentration in the Eurofer97 by picosecond LIBS: application to the study of hydrogen permeation
6	89	Nicolas Dumérat	Experimental investigation of the interplay between coherent density structures and zonal flows by causality analysis at the stellarator TJ-K.
7	90	Simone Del Nero	Parametric modeling of the Renaissance Fusion stellarator vacuum vessel
8	91	SALVATORE FUSCO	Preliminary concept design of an innovative under-actuated gripper for the remote handling operations in the RFX-mod2 fusion machine
9	92	Jakub Čaloud	Simulations of runaway electron impacts on plasma facing components
10	93	Andrea Zoppoli	The role of a Remote Handling Facility in the Design Process of a Fusion Reactor
11	94	Francesco Marino	Design of Remote Handling Procedures and Equipment for DTT ICH Antenna
12	96	Joseph Hall	Identification and confinement scaling of hybrid scenarios acrossmultiple devices
13	97	Hjalte Durocher	Kinematic and Dynamic Modelling of the Breeding Blanket Transporter for Robotic Remote Maintenance of EU DEMO
14	98	Hannah Lindl	Spectroscopic characterization of advanced divertor configurations
15	99	Koray Iroc	Microstructural characterization of neutron-irradiated ITER specified tungsten grades
16	100		
17	101	Hussein Zahran	Low cycle fatigue life prediction for neutron-irradiated and nonirradiated RAFM steels via machine learning
18	102	Peter Halldestam	DREAM modelling of shattered pellet injection in ASDEX Upgrade
19	103	Edward Dewit	Development of a fast-camera diagnostic platform for real-time control applications
20	104	Torben Beernaert	How to design a plasma control system
21	105	Tayyaba Sajid	Overview of the Design of the Interferometer of the DTT Experimental Reactor
22	106	Péter Balázs	Benchmark of synthetic beam emission diagnostic codes for ITER
23	108	Albert Civit	Three dimensional non-linear MHD simulations of core density collapse event in LHD plasma
24	110	Hannes Bergstroem	Hybrid kinetic-MHD simulations of runaway electron beam termination events
25	115	Ethan Attwood	Simulating Nonlinear Phenomena of Ion Cyclotron Emission with ML-based Uncertainty Quantification
26	117	Alessandro Sofia	VR-Enhanced collision detection of flexible long-reach manipulators for remote handling tasks in fusion reactors
27	119	Alessandra Palombi	Microstructural characterization and dynamic modulus of WAAM P91 for nuclear fusion reactors
28	120	Ali Zahid	Investigation of Ti6Al4V alloy produced by Additive Manufacturing for nuclear applications
29	121	Andrea Ciula	Gyroid TPMS based metamaterial modelling and experimental validation
30	122	Mark Higgins	Optimisation of EBW Power Deposition and Current Drive in SphericalTokamaks by Numerical Simulation and Resonance Condition Analysis
31	127	Georg Grassler	Parameter study on 3D coils in EU-DEMO
32	129	Carl Rogge	Towards Modeling Pellet-ProducedPlasmoid Dynamics in Stellarators Usingthe Nonlinear MHD Code JOREK