

FuseNet PhD event 2024 - Stuttgart

Poster Session 1: Wednesday 11:45-12:45

Panel	ID	Name	Contribution title (draft)
1	1	Lina Velarde	Effect of externally-applied magnetic perturbations on fast-ion confinement in MAST-U
2	2	Eugenia Obeng-Akrofi	The Political Economy of Energy Transitions: the Role of Fusion on the Climate Change Debate
3	3	Samuel Lukes	ERO2.0 modelling towards COMPASS Upgrade
4	4	Sebastian Ruiz	Flexible Grids For Complex Tokamak Topologies
5	5	Bailey Cook	Exploring spectral energy transfer in nonlinear gyrokinetic simulations to understand zonal flow drive
6	8	James Carpenter	Non-linear modelling of fast particle interactions with MHD and disruptions in JOREK
7	10	Willem Rutten	A Multidisciplinary Analysis and Optimization framework for stellarator conceptual design
8	131	Roxána Takács	The isotope dependence of the ASDEX Upgrade pedestal structure
9			
10	14	Yacopo Damizia	Measuring Ion Temperature in the MAST_U Divertor
11	15	Tobias Slade-Harajda	Aneutronic D-He3 particle-in-cell simulations and the 14.68MeVproton species influence on the Ion Cyclotron Emission
12	16	Lovepreet Singh	Benign termination of Runaway Electrons in JET
13	21	Beatrix Curtis	Crystal Plasticity Modelling of Irradiation Creep in Materials for Fusion Energy.
14	22	Stefano Colombi	Development of neutron attenuators for gamma ray measurement in DT fusion experiments
15	23	Anete Stine Teimane	Investigating Tritium Interactions with Fusion Materials
16	24	Timo Bogaarts	Deterministic Neutronics for Stellarator Design
17	25	Nicole Vadot	Numerical simulations of the plasma magnetized sheath
18	26	Jan Cecdle	Liquid Metals as Plasma Facing Components
19	27	Miriam La Matina	Experimental analysis of ELM precursors with the Thermal Helium Beam diagnostic at TCV
20	28	SHAOKAI TANG	Deuterium and Helium Plasma Test on W/Diamond Composite with Magnum-PSI
21	29	Kiera McKay	Refining edge impurity profiles using molecular gas puff modeling for CXRS measurements
22	31	Vojtěch Smolík	Thermal and structural analysis of W-7X first wall tiles under direct NBI loads
23	32	Jacopo Lombardo	TRANSP analysis of JET baseline scenario DTE2 and DTE3
24	33	Matteo Gambrioli	Investigation of intrinsic error fields in MAST-U device
25	35	Silvia Vacca	Development of the design and study of the thermal-hydraulic behaviour of the Primary Heat Transport System of the EU-DEMO Divertor
26	36	Luca Orlandi	Thermal structures and their relation to magnetic topology in RFX-mod
27	37	Anna Krupka	Scaling laws of the plasma velocity in visco-resistive magnetohydrodynamic systems
28	38	Kay Schutjjes	CARS diagnostic for measuring molecular hydrogen densities in divertor-relevant plasma conditions
29	39	Jonathan Flocken	A Collective Thomson Scattering diagnostic for DEMO
30	40	Pierrick Giroud-Garampon	How to improve the performance of gyrotrons
31	41	Iacopo Regoli	Bridging nuclear fusion and space propulsion: development of advanced numerical fluid models for negative ion sources for NBI systems and Hall thrusters
32	43	Ewout Devlaminck	Turbulence-inclusive Modelling of Electron-Cyclotron Wave-PlasmaDynamics in Tokamaks