

## FuseNet PhD event 2024 - Stuttgart

**Poster Session 2:    Wednesday 17:00 - 18:00**

Panel	ID	Name	Contribution title (draft)
1	44	ROFAIDA NIHED MEKKI	Synergetic Diagnostics in Impurity Abatement for Fusion Device Decontamination on TOKAMAK
2	20	Tomás Sousa	Magnetised plasma erosion pattern on semi-circular electrodes
3	46	Ricardo Martins	Influence of Cr on the quaternary FeTiTaW medium entropy alloy for nuclear fusion reactors
4	47	Federico Ruffini	Design of the HFS DTT Plasma Position Reflectometer
5	48	Cristiano Leoni	Scrape-off-layer opacity effect on gas puff fueling efficiency for D and T baseline plasmas at JET
6	19	Youpeng Wang	RF plasma cleaning for ITER diagnostic first mirrors
7	50	Juan Ortizluengo	Analysis of the Alfvénic activity in the Stellarator devices
8	51	Ziwei Li	Evaluation of tensile properties estimated by Small Punch Tests for nuclear structural materials: application of recent standards
9	52	Synne Brynjulfson	Numerical simulations of turbulence and blob structures in the scrape-off layer of magnetized plasmas
10	54	Cecilia Piatti	Investigation of the use of Triply Periodic Minimal Surfaces in the cooling of gyrotron resonant cavities
11	55	Andrea Valentini	Fast-ion tomography: a journey towards fusion-born alpha diagnosis
12	56	Joost Prins	Neural Green's Operators for PDE-Based Fusion Plasma Models
13	57	Rose Blyth	Modelling the resonance overlap criterion for interactions between fast ions and Toroidal Alfvén Eigenmodes
14	59	Craig Maclean	Modelling the neutron activation foil measurements in MAST Upgrade
15	60	Jan Hečko	Modelling nitrogen seeded scrape-off layer of the COMPASS tokamak
16	62	Saleem Lubbad	A Novel Approach to Interpret High-Temperature Small Punch Test Results Using Finite Element Simulation and Gaussian Process Regression
17	63	José David Cremé	A DFT model of the W(110)/Cu(111) interface
18	64	William Rudrum	Fundamental understanding of the transport and retention of tritium in candidate breeder blanket structural materials.
19	65	Ralph Sarkis	Scaling of turbulent transports with density-potential coupling
20	67	Alexander Beale	Tritium extraction from molten salts
21	80	Alberto Gioè	Integrated thermofluid-dynamic and thermo-mechanical assessment of breeding blanket concepts foreseen for the DEMO fusion reactor
22	73	Luca Cinnirella	Beam transmission of the diagnostic neutral beam injector to the RFX-mod2 experiment
23	74	Elisabetta Bray	Analysis of the impurity accumulation in AUG during experiments with a liquid Sn module using Aurora and FACIT
24	75	Eleonora Gajetti	TPMS-based cooling structures for the mirrors in the Electron Cyclotron Heating system
25	76	Matteo Grandin	Neural Network Based Plasma Control Systems in RFX-mod2 Experiment
26	77	Leonardo Caputo	Predictive maintenance in fusion devices with an application to the ohmic heating circuit in JET
27	78	Rachele Cicioni	Integrated core-SOL modelling of JET baseline plasmas: the role of ELMs on Tungsten sputtering
28	82	Lukáš Lobko	Development of new diagnostics of runaway electrons at the GOLEM tokamak
29	83	Stefano Cipelli	Nanosecond laser ablation modeling using COMSOL Multiphysics as support activity for LIBS diagnostics