

WPMAG - EUROfusion FINAL MEETING

Tuesday, 4 February 2025

SYSTEM DESIGN - Bruno Brunelli Hall (10:30 - 11:05)

time	[id] title	presenter
10:30	[4] New baseline Design of TF and CS	TORRE, Alexandre
10:55	[5] Deliverable on 2024 CEA electromagnetic calculations – Magnetic field calculations on hybrid HTS/LTS CS design and possibly TF WP#4 (new baseline).	LE COZ, Quentin

SYSTEM DESIGN - Bruno Brunelli Hall (11:35 - 13:00)

time	[id] title	presenter
11:35	[6] Assessment of modelling needs and numerical tools for the shift to HTS magnets	BRESCHI, Marco
11:50	[7] Multi-physics simulations of CORC® cables with different layouts	VIARENGO, Sofia
12:05	[8] SPC magnet design & electromagnetic analyses in 2024	SEDLAK, Kamil
12:30	[9] Continuation of the non-insulated coil	ORTINO, Nattia
12:45	[10] Cabling and procurement activities	SARASOLA, Xabier

SYSTEM DESIGN - Bruno Brunelli Hall (14:00 - 15:45)

time	[id] title	presenter
14:00	[11] Multiphysics analysis of quench transients in support of the design of HTS and partial- or non-insulated coils	DE BASTIANI, Marco
14:15	[12] Deliverable on 2024 CEA thermo-hydraulic analyses – Burn scenario and Quasi-3D TH studies on hybrid CS design	LACROIX, Benoit
14:35	[13] Deliverable on CEA LTS CS Thermohydraulic Analyses with FAOW-STREAM during plasma scenario/ Coordination of Thermal-Hydraulic Analysis and Cryogenics 2024	NICOLLET, Sylvie
15:00	[14] Thermal – hydraulic analysis of the DEMO winding packs (2024)	LEWANDOWSKA, Monika
15:15	[15] Setting-up a cryogenic apparatus for electromagnetic characterization of superconductors during neutron irradiation	LAVIANO, Francesco
15:30	[16] Optimization of FNG parameters and evaluation of possible improvements for increasing the neutron flux for temperature controlled irradiation experiments	LORETI, Stefano

SYSTEM DESIGN - Bruno Brunelli Hall (16:15 - 17:15)

time	[id] title	presenter
16:15	[17] CS margin exploration with supercritical helium loop with thermal buffer	BONNE, francois
16:30	[18] 2024 Studies on the quench detection system	MORICI, Luigi

16:45	[19] Further development on quench detection with optical fibers	UGLIETTI, Davide
17:00	[20] Distribution of the voltages for the TF coils system during transient conditions	MESSINA, Giuseppe

Wednesday, 5 February 2025

SYSTEM DESIGN - Bruno Brunelli Hall (09:15 - 10:50)

time	[id] title	presenter
09:15	[21] Coordination of the mechanical analysis groups in WPMAG/Preliminary engineering design of the main structures of the magnet system	BOSO, Daniela
09:40	[22] Feeders static scheme and related supporting mechanical analyses	GROTH, Corrado
09:55	[23] CEA TF/ CS hybrid mechanical models	GARITTA, Silvia
10:20	[24] Thermo-mechanical analyses of residual stresses due to welding in a conductor jacket	ORTWEIN, Rafał
10:35	[60] Experimental measurements regarding the residual stresses in the welded jackets of the SPC design	TABIN, Jakub

SYSTEM DESIGN - Bruno Brunelli Hall (11:20 - 12:10)

time	[id] title	presenter
11:20	[61] CS Hybrid coil design	GREENWOOD, Jack
11:50	[62] Discussion on Design tasks 2025	CORATO, Valentina