

Task Force Fusion Technology
2010 Semi-Annual Monitoring and 2011 Kick-off meeting
08-10 December 2010 - JET Culham Science Centre

Wednesday 08th December 2010 (Room K1/0/38)

	Welcome	
13:30-13:40	Meeting Objectives	P. Batistoni
13:40-13:50	FT Task's Overview and recommendations	D.Barbier
13:50-14:00	JET ITER-Like Wall restart. Overview of Planned Activities	J.P. Coad

14:00-18:15	Surface analysis of PFC	
14:00-14:35	Analysis of mirrors exposed in JET (JW10-FT-3.64) + (JW9-FT-3.49-SCK) And analysis and cleaning of mirrors exposed in JET (JW11-FT-3.67)	M. Rubel / A.Widdowson
14:35-14:45	Laser Cleaning of Be-Covered Mirrors (JW9-FT-3.54) <i>CCFE part</i>	A.Widdowson
14:45-14:55	Laser cleaning of deposit-covered mirrors (JW11-FT-3.70)	A. Semerok
14:55-15:20	Cross-sectional analysis on JET tiles (JW10-FT-3.63) + (JW11-FT-3.69) + 10Be marker for ILW (JW9-FT-3.52)	H. Bergsaker / G. Possnert
15:20-15:40	Coffee Break	
15:40-16:10	Post-mortem analysis and simulation (JW10-FT-3.59) and analysis of carbon-13 deposition near injection region (JW11-FT-3.65)	E. Alves/M. Rubel
16:10-16:30	Characterization of JET in vessel samples using AES/XPS, SEM and XRD (JW9-FT-3.48)	I. Uytdenhouten
16:30-16:50	Characterization of Mixed Materials in support of the ITER-like wall Project (JW11-FT-3.66)	C.P. Lungu
16:50-17:00	Discussion	
17:00-18:15	Engineering and test beds	
17:00- 17:20	Micro Gas Chromatography system for analysis of higher hydrocarbons(JW5-FT-2.23)	S.Gruenhagen
17:20-18:00	Neutral Beam tests on Be tiles (JW10-FT-6.04)	M.Kovari/E.Gauthier/
18:00-18:15	Discussion	

Thursday 09th December 2010 (Room K1/0/38)

09:00-12:00	Neutronics studies	
09:00-09:20	Shutdown dose rate prediction study of feasibility of an integral experiment in positions relevant for ORE Evaluation (JW8-FT-5.28)	S.Villari/ U.Fischer /A.Klix/ M.Scholz
09:20-09:30	Assessment of the suitability of neutron detectors and gamma dosimeters in the future experiment at JET for the validation of shutdown dose rate prediction. (JW9-FT-5.31)	
09:30-9:45	Development of CVD detectors for neutron measurements outside JET vessel (JW10-FT-5.33)	
9:45-10:05	Technical project in instrument development: Neutron Flux Measurements and Test station for Compact Neutron Detectors (JW11-FT-4.17)	G. Ericsson
10:05-10:20	Benchmarking of CAD to MCNP interface (JW8-FT-5.29)	F.Moro/U.Fischer
10:20-10:35	Coffee Break	
10:35-10:50	Verification of the JET MCNP model and transport calculations, estimation of wall activation (JW10-FT-5.34)	I.Lengar/ L.Snoj
10:50-11:05	Expansion of the Be-wall JET MCNP model to 360° and transport calculations (JW11-FT-5.36)	I.Lengar
11:05-11:20	Neutron studies for neutron calibration – calculations to support JET neutron yield calibration (JW11-FT-5.35)	I.Lengar/ L.Snoj
11:20-11:35	The activation measurements in support of the JET neutron calibration (JW11-FT-4.21)	M. Scholtz
11:35-12:00	<i>Discussion</i>	All
12:00-13:30	Lunch Break	
13:30-17:00	Tritium in tokamak and dust issues	
13:30-14:00	Material transport and erosion/deposition in the JET torus (JW10-FT-3.61) + (JW11-FT-3.68)	J. Likonen / P. Coad
14:00-14:20	Analysis of tritium distribution in plasma facing components (JW9-FT-3.46) + (JW10-FT-3.62)	G. Kizane
14:20-14:40	Tritium depth profile measurements of JET divertor tiles. The task involves the use of AMS (JW9-FT-3.50)	M. Kiisk C. Stan-Sion
14:40-15:00	AMS and FCM measurements of tritium in laser cleaned tiles and tritium depth profiles in JET divertor tiles. (JW11-FT-1.19)	C. Stan-Sion/ G. Kizane/M. Kiisk
15:00-15:10	<i>Discussion</i>	
15:10-15:25	Coffee Break	
15:25-15:45	Tungsten erosion in the JET divertor (JW8-FT-3.41) & Analysis of marker samples (JW10-FT-3.57)	M. Mayer
15:45-16:00	The limits of the W coatings deposited on CFC tiles for the ITER-like wall at JET (JW11-FT-4.19)	M. Mayer
16:00-16:20	Collection of Dust and Flakes from the JET vessel (JW10-FT-1.18 + JW9-FT-1.15)	A. Widdowson
16:20-16:35	Installation of AUG-type dust collector at JET and subsequent post-mortem analysis (JW11-FT-5.37)	V. Rohde/A. Widdowson
16:35-17:00	<i>Discussion</i>	All

CSU Fusion Technology	2/3	05.11.2010
D. Barbier CSU/FT at JET	Task Force FT 09-10 December 2010	Agenda

Friday 10th December 2010 (Room K1/0/38)

09:00-10:40	Use lasers for PFC characterization	
9:00-9:20	Laser ablation tests with the ITER-like wall materials, W and CFC (JW9-FT-3.53)+ (JW10-FT-3.56)	A. Semerok
9:20-9:50	Lock-in thermography for surface layer characterisation (JW9-FT-4.13) + (JW10-FT-4.16) + (JW11-FT-4.20)	A. Semerok
9:50-10:10	Assessment of efficiency of laser removal of fuel-inventory for mixed material samples using LIBS (JW10-FT-3.58)	J.Wolowski
10:10-10:20	Active IR Thermography by pulsed photo-thermal method (JW10-FT-4.15)	A. Semerok/H. Roche
10:20-10:40	Measurement of temperature on large surfaces (2D) using active pyrometry (JW11-FT-4.18)	E. Gauthier/H. Roche
10:40-10:55	Coffee Break	
11:10-12:50	Waste management	
11:10-11:25	Preliminary Design and Tests for the Detritiation of JET Soft House Keeping Waste (JW9-FT-2.34)	P. Trabuc/S. Tosti
11:25-11:40	Implementation of a Pd-membrane reactor into a detritiation facility treating JET Soft House Keeping Waste (JW10-FT-2.35)	
11:40-12:00	Tritium desorption in flakes (JW6-FT-1.11) & Be detritiation(JW8-FT-2.32)	P. Trabuc
12:00-12:20	Reduction of T outgassing (JW11-FT-2.36)	P.Trabuc
12:20-12:35	Metal detritiation by incinerator (JW11-FT-2.37)	P.Trabuc
12:35-12:50	<i>Discussion and closure of the meeting</i>	All