

## GRANTS AWARDED IN 2009

WP Ref.	Division	Subdivision	System	File description	company
WP08/23/01	Machine Systems Division	Remote Handling Group		Activities related to the development of an Air Transfer System prototype and Cask Transfer System Virtual Mock-up	Consortium Instituto Superior Técnico (IST) - Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas (CIEMAT)
WP08/31/01	Plant System Division	Vacuum and Tritium Group		Completion of final design for the PTC and testing of PTC in TIMO-2 to qualify the design	FZK
WP08/31/02	Plant System Division	Vacuum and Tritium Group		Upgrading of TIMO-2 Facility	FZK
WP08/52/01	Plasma System Division	Heating Current Drive Group	EC PS 5.2.3 & 5.2	Development of the European Gyrotron CCGDS6	Gyrotron group of Associates (CRPP, FZK, CNR, HELLAS, ENEA)
WP08/53/01	Plasma System Division	Heating Current Drive Group	Neutral Beam System	Continuation of the Development for the RF Ion Source	Max-Planck-Institut fuer Plasmaphysik (IPP)
WP08/ND/02	Engineering Support Division		Nuclear Data	Nuclear Data, development of tools and experiments/validation in support of ITER activities	Consortium UKAEA, FZK, NRG, IFIN HH, TU Wien, JSI
WP08/ND/02	Engineering Support Division		Nuclear Data	Nuclear Data, development of tools and experiments/validation in support of ITER activities	Consortium ENEA, FZK, AGH-UST, JSI, NPI
WP08/SF/01	Engineering Support Division	Safety Group		Call for proposal - two actions - Detailed Analyses of Fire Explosion Event Scenarios and Combined hydrogen and dust explosion and mitigation experience model development	STUDSVIK
WP08/SF/01	Engineering Support Division	Safety Group		Call for proposal - two actions - Detailed Analyses of Fire Explosion Event Scenarios and Combined hydrogen and dust explosion and mitigation experience model development	Consortium FZK (Forschungszentrum Karlsruhe), CEA (Commissariat à l'Énergie Atomique), ENEA (Ente per le Nuove Tecnologie, l'Energia e l'Ambiente")
WP09/11/04	Machine Systems Division	Magnet Group		Extended characterisation of ITER strands	University of Twente (The Netherlands) and Durham University (United Kingdom)
WP09/15/03	Machine Systems Division	Vacuum Vessel Group		Corrosion Issues	STUDSVIK
WP09/17/03	Machine Systems Division	In Vessel Group	Divertor	Destructive Examination of European Divertor Vertical Target Qualification Prototypes	FZJ
WP09/17/07	Machine Systems Division	In Vessel Group	Divertor	Monitoring, infrared SATIR examination and analysis of divertor components to be heat flux tested ("HHFTEST-PREP")	CEA
WP09/23/03	Machine Systems Division	Remote Handling Group		Activities Related to the Development of an In-Vessel Viewing System Prototype	ENEA
WP09/31/02	Plant System Division	Vacuum and Tritium Group		Instrumentation for ITER Cryopumps and Cold Valve Boxes	FZK
WP09/32/03	Plant System Division	Vacuum and Tritium Group		Assessment of Hydrogen Isotope Separation System 2001 Baseline Design Assessment of Hydrogen Isotope Separation System 2001 Baseline Design Assessment of Hydrogen Isotope Separation System 2001 Baseline Design	FZK
WP09/32/05	Plant System Division	Vacuum and Tritium Group		Functional and performance evaluation of Sulzer CY packing in view of ITER ISS	FZK
WP09/53/10	Plasma System Division	Heating Current Drive Group	Neutral Beam System	Neutral Beam Injector HNB1 & HNB2 Development Support for Components Outside the Scope of NBI Test facility	UKAEA and CIEMAT
WP09/55/16	Plasma System Division	Diagnostics Group		Magnetics diagnostics	ITERMAG Group composed of CEA, the Consorzio RFX, Centre de Recherches en Physique des Plasmas (CRPP) Ecole Polytechnique Federale de Lausanne (CRPP-EPFL)
WP09/55/24	Plasma System Division	Diagnostics Group		Detailed design of a representative equatorial port plug and diagnostic	NATEC and NRG
WP09/55/24	Plasma System Division	Diagnostics Group		Detailed design of a representative equatorial port plug and diagnostic	CEA
WP09/56/05	Plant System Division	Test Blanket Modules Group		Design and construction of a multipurpose laboratory scale apparatus for investigating hydrogen isotopes in PbLi and permeation technology	TBM Consortium of Associates, TBM-CA (FZK, CEA, CIEMAT, ENEA, NRI and RMKI)
WP09/56/07	Plant System Division	Test Blanket Modules Group		Design and Implementation of the Data Acquisition and Control System of the European Breeding Blanket Test Facility (EBBTF)	ENEA
WP09/56/09	Plant System Division	Test Blanket Modules Group		Continuation of the safety assessment of EU-TBMs based on design evolution	STUDSVIK
WP09/56/12	Plant System Division	Test Blanket Modules Group		Study of the impact caused by the implementation of mitigation means for ITER TF TBM-induced ripple on TBMs design & test objectives	TBM Consortium of Associates, TBM-CA (FZK, CEA)
WP09/MD/12	Plant System Division	Materials Development Group		EUROFER Material Database	CEA
WP09/PE/02	Plasma System Division	Plasma Engineering Group		Plasma Scenarios and Poloidal Field Coils System Analysis and Optimization	Consortium CREATE
WP99/99/99				Plant System Simulator and Prototype Fast Control Plant System	Consortium Instituto Superior Técnico (IST) - Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas (CIEMAT)

**28 Grants for a total value above 8 M € (10 Grants above 200K)**