

EUROfusion Project WPSA: "Preparation of exploitation of JT-60SA"

6th Project Planning Meeting

Meeting agenda (version 13/3/2019)

- Dates:** 18-22 March 2019
- Venue:** University of Sevilla, Faculty of Philology, Rectorate building.
San Fernando Street 4, Sevilla, Spain
- Rooms:** Plenary sessions: Room 201 (Aula Magna), 1st floor
Parallel sessions: Room 201 and Rooms 112, 119 (ground floor)
- Organisers:** Manolo Garcia-Muñoz, Juan Manuel Ayllon-Guerola (wpsappm2019@psft.eu)
- Web page:** <https://www.psft.eu/wpsappm2019/>
- VC details:** fusionTV Channel 2 has been booked for the plenary sessions:
<https://tv.euro-fusion.org/channel2/home>
Video-conference nr. (H.323): 004910097920062
Presentation Password: WPSA
- Scope:** Discussion of the 2018 project results, organisation and planning for 2019
- Background:** JT-60SA Research Plan: http://www.jt60sa.org/pdfs/JT-60SA_Res_Plan.pdf
EUROfusion Wiki pages:
http://users.euro-fusion.org/iterphysicswiki/index.php/WPSA:_Preparation_of_Exploitation_of_JT-60SA

Monday 18 March		9:30	18:00
<i>Introduction session</i>	chair: M. Garcia-Muñoz	9:30	11:00
Welcome, remote connection, logistics	M. Garcia-Muñoz	9:30	9:45
Welcome by the Vice-chancellor for Research of the University of Seville	J. Martínez-Fernández	9:45	10:00
EUROfusion news	M. Turnyanskiy	10:00	10:30
WPSA status and evolutions	G. Giruzzi	10:30	11:00
Coffee break		11:00	11:30
<i>Enhancement Projects: introductory session</i>	chair: C. Sozzi	11:30	13:00
Overview of EP activities and 2019 plans	C. Sozzi	11:30	12:00
Machine Interfaces for enhancements	M. Dibon	12:00	12:20
Pellet project update	P. Lang	12:20	12:40
Discussion		12:40	13:00
Lunch break		13:00	14:30
<i>Operation: introductory session</i>	chair: E. Joffrin	14:30	16:00
Overview of operation activities and 2019 plans	E. Joffrin	14:30	15:00
Status of plasma control activities	G. DeTommasi	15:00	15:20
Integrated Commissioning of WEST	P. Moreau	15:20	15:40
Discussion		15:40	16:00
Coffee break		16:00	16:30
<i>Modelling: introductory session</i>	chair: T. Bolzonella	16:30	18:00
Overview of modelling activities and 2019 plans	T. Bolzonella	16:30	17:00
WPCD connection to WPSA	M. Romanelli	17:00	17:20
Modelling of scenarios of Initial Research Phase I and II	L. Garzotti	17:20	17:40
Discussion		17:40	18:00
Meeting adjourns		18:00	

Tuesday 19 March		9:30	18:00
Working sessions		9:30 - 13:00	
<i>Working group 1: EU strategy and priorities for participation in JT-60SA activities</i>			
Room: 201 (Aula Magna)			
chair: G. Giruzzi			
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Coffee break		11:00	11:30
<i>Working group 2: Matter injection and pumping</i>	<i>Working group 3: Scenario modelling</i>	<i>Working group 4: Plasma control</i>	
Room: 201 (Aula Magna)	Room: 112	Room: 119	
chair: C. Sozzi	chair: T. Bolzonella	chair: E. Joffrin	
Connection details: https://tv.euro-fusion.org/channel2/ 004910097920062 Passw.: WPSA	Connection details: https://tv.euro-fusion.org/channel3/ 004910097920063 Passw.: WPSA	Connection details: https://tv.euro-fusion.org/channel4/ 004910097920064 Passw.: WPSA	
<u>Subjects:</u> - Massive gas injection - Cryopumps system - Pellet injection system	<u>Subjects:</u> - Power exhaust modeling - Target scenarios for 2019-20	<u>Subjects:</u> - Shape controller development - Control schemes from integrated commissioning to first campaigns - Disruption control	
Lunch break		13:00	14:30
<i>Discharge and scenario preparation</i>		chair: T. Bolzonella	14:30 16:00
Modelling of scenario transient phases		J. Morales	14:30 14:50
Discharge simulator development - code coupling		M. Mattei	14:50 15:10
Discharge simulator development - first results		J.F. Artaud	15:10 15:30
SOL and divertor simulations		K. Galazka	15:30 15:50
Discussion			15:50 16:00
Coffee break		16:00	16:30
<i>Wall conditioning and breakdown</i>		chair: E. Joffrin	16:30 18:00
ECWC modelling		T. Wauters	16:30 16:50
ECRH system capabilities for ECWC		C. Sozzi	16:50 17:10
Breakdown modelling		D. Ricci	17:10 17:30
EDICAM project update and use in the first campaign		T. Szepesi	17:30 17:50
Discussion			17:50 18:00
Meeting adjourns		18:00	

Wednesday 20 March		9:30	18:00
Working sessions		9:30 - 13:00	
Working group 5: Integrated Commissioning plans, timeline, EU participation			
Room: 201 (Aula Magna)			
chair: E. Joffrin			
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Coffee break		11:00	11:30
Working group 6: Diagnostics		Working group 7: Data sharing and common tools for modelling	
Room: 201 (Aula Magna)		Room: 119	
chair: C. Sozzi		chair: T. Bolzonella	
Connection details: https://tv.euro-fusion.org/channel2/ 004910097920062 Password: WPSA		Connection details: https://tv.euro-fusion.org/channel3/ 004910097920063 Password: WPSA	
Subjects: - Thomson scattering - VUV spectrometer - Fast Ion Loss Detection system - EDICAM		Subjects: - Reference input format - Repository for code inputs/outputs - WPCD/IMAS tools training and exploitation	
Lunch break		13:00	14:30
High-β plasma sustainment		chair: T. Bolzonella	14:30 16:00
Linear MHD analysis for Initial Research Phase I and II	R. Coelho	14:30	14:50
Modelling of fast ion distribution and instabilities	M. Vallar	14:50	15:10
Impact of fast ions on turbulence and transport	S. Mazzi	15:10	15:30
FILD project update	M. Garcia-Muñoz	15:30	15:50
Discussion		15:50	16:00
Coffee break		16:00	16:30
Pedestal, edge and fuelling		chair: C. Sozzi	16:30 18:00
Non-linear ELM simulations	S. Futatani	16:30	16:50
Edge Thomson Scattering project update	R. Pasqualotto	16:50	17:10
ELM control by pellets	C. Sozzi	17:10	17:20
VUV project update	M. Valisa	17:20	17:40
Cryopumps project update	C. Day	17:40	18:00
Meeting adjourns		18:00	
Social dinner		20:30	

Thursday 21 March			9:30	18:00
Working sessions		9:30 - 13:00		
<i>Working group 8: Transition to metal PFC</i>		<i>Working group 9: Discharge simulation tools development</i>		
Room: 201 (Aula Magna)		Room: 119		
chair: C. Sozzi		chair: E. Joffrin		
Connection details: https://tv.euro-fusion.org/channel2 004910097920062 Passw.: WPSA		Connection details: https://tv.euro-fusion.org/channel3 004910097920063 Passw.: WPSA		
Subjects: - Modelling and diagnostic needs - PFC production and tests - Heating requirements - Project strategy		Subjects: - Discharge simulator development - Breakdown modelling with and without ECRH - Disruption modelling		
Coffee break			11:00	11:30
<i>Small groups discussion time (TBD)</i>	<i>Small groups discussion time (TBD)</i>	<i>Small groups discussion time (TBD)</i>		
Room: 201 (Aula Magna)	Room: 112	Room: 119		
Connection details: https://tv.euro-fusion.org/channel2 004910097920062 Passw.: WPSA	Connection details: https://tv.euro-fusion.org/channel3 004910097920063 Passw.: WPSA	Connection details: https://tv.euro-fusion.org/channel4 004910097920064 Passw.: WPSA		
Lunch break			13:00	14:30
<i>Disruptions and control</i>		chair: E. Joffrin	14:30	16:00
Disruption modelling		F. Villone	14:30	14:50
Disruption predictor		J. Vega	14:50	15:10
MGI project update		M. Dibon	15:10	15:30
Modelling of RWM control		L Pigatto	15:30	15:50
Coffee break			15:50	16:20
<i>Future evolutions</i>		chair: C. Sozzi	16:20	18:00
F4E vision and activity for enhancements		S. Davis	16:20	16:40
Transition to W wall		R. Neu	16:40	17:00
EC stray and ECRF planning for enhancements		C. Sozzi	17:00	17:20
Doppler reflectometry proposal		D. Carralero	17:20	17:40
Phase Contrast Imaging feasibility study		S. Coda	17:40	18:00
Meeting adjourns			18:00	

Friday 22 March		9:30	13:30
<i>Summary and conclusions session</i>		chair: J. Ayllon	9:30 12:30
Summary of Operation activities + <i>questions</i>		E. Joffrin	9:30 10:15
Summary of Enhancement activities + <i>questions</i>		C. Sozzi	10:15 11:00
Summary of Modelling activities + <i>questions</i>		T. Bolzonella	11:00 11:45
Next steps. General questions and discussion		G. Giruzzi	11:45 12:15
Meeting conclusion		M. Garcia-Muñoz	12:15 12:30
Farewell party			12:30 13:30
End of the Project Planning Meeting			13:30