

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

March 2020 WPSA Planning Meeting

Meeting agenda (version 12/3/2020)

Dates: 30 March – 2 April 2020

Venue: VideoConference

Indico page: <https://indico.euro-fusion.org/event/25/>

VC details: Zoom channel: <https://ukaea.zoom.us/j/8296162604>
Joining by H.323: 213.19.144.110 Meeting ID: 829-616-2604.

Scope: Working groups for discussion of the 2019 project results, organisation and planning for 2020

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](http://users.euro-fusion.org/iterphysicswiki/index.php/WPSA:_Preparation_of_Exploitation_of_JT-60SA)

All times CET

Monday 30 March		
Working group O1: Integrated Commissioning		9:00 11:00
chair: E. Joffrin		
<u>Subjects</u>	Integrated Commissioning: work breakdown, timeline, EU contribution. Collaboration with ITER (connection with ITER IO)	
<u>Talks</u>	- Preparation of on-site work by EU team (E. Belonohy) - ITER participation in Integrated Commissioning (ITER IO staff)	
Lunch break		
Working group M1: Modelling (scenarios, MHD, edge, fast ions)		14:00 16:00
chair: T. Bolzonella		
<u>Subjects:</u>	Status and planning of modelling activities	
<u>Talks:</u>	- T. Bolzonella - Overview of modelling activities and 2020 plans - L. Garzotti - Modelling of scenarios of Initial Research Phase I and II - M. Wischmeier - Edge and divertor modelling: status and perspectives - P. Lauber - Energetic particle dynamics induced by off-axis NBI	

Tuesday 31 March		
Working group E1: Enhancement Projects: particle control		9:00 11:00
chair: C. Sozzi		
<u>Subjects:</u>	Enhancement Projects updates, planning, organisation, discussion	
<u>Talks:</u>	- Short presentations by EP leaders of Pellets, Cryopumps, MGI - F4E views on JT-60SA Enhancements (S. Davis – from Naka)	
Lunch break		
Working group O2: Equilibrium, control, MHD, disruptions		14:00 16:00
chair: E. Joffrin		
<u>Subjects</u>	First plasma scenarios, equilibrium, control, magnetics, MHD, disruptions	
<u>Talks</u>	- Control-oriented activities for IC and first plasma (G. De Tommasi) - Disruption modelling w/wo stabilizing plates (F. Villone) - Sideways forces during asymmetrical plasma disruptions (V. Yanovski)	

Wednesday 1 April		
Working group E2: Enhancement Projects: diagnostics		9:00 11:00
chair: C. Sozzi		
<u>Subjects:</u>	Enhancement Projects updates, planning, organisation, discussion	
<u>Talks:</u>	<ul style="list-style-type: none"> - Short presentations by EP leaders of Thomson Scattering, VUV, FILD - PCI (S. Coda) - Doppler reflectometry (E. de la Luna) - Other possible diagnostics (C. Sozzi) 	
Lunch break		
Working group O3: EDICAM use in the IC phase		14:00 16:00
chair: E. Joffrin		
<u>Subjects:</u>	EDICAM data production and image analysis in the IC phase	
<u>Talks:</u>	- EDICAM: from commissioning to routine use (T. Szepesi)	

Thursday 2 April		
Working group O4: Breakdown and ECWC		9:00 11:00
chair: E. Joffrin		
<u>Subjects:</u>	<ul style="list-style-type: none"> - Wall conditioning by EC waves - Breakdown with and without EC assistance 	
<u>Talks:</u>	<ul style="list-style-type: none"> - ECWC and gas analysis in JT-60SA (T. Wauters) - Breakdown modelling (M. Mattei) - EC assisted breakdown modelling and validation (D. Ricci) 	
Lunch break		
Working group O5: Discharge simulator		14:00 16:00
chair: E. Joffrin		
<u>Subjects:</u>	Development and validation of discharge simulator. Live demonstration.	
<u>Talks:</u>	<ul style="list-style-type: none"> - Discharge simulator: status and results (J.F. Artaud) - METIS-FEEQS simulations (V. Ostuni) - EGENE simulations of scenario 4.2 (D. Abate) - EGENE simulations of scenario 2 (A. Mele) 	