

ISM

December 17, 2020

Contents

1	Scientific Rationale and Main Objectives	3
2	ISM activities	3
3	Meetings	3
3.1	2010/09/13-17 ITM General Meeting in Lisbon and ISM Working Session	3
3.1.1	1.Monday	3
3.1.2	2.Tuesday	4
3.1.3	3.Wednesday	4
3.2	ISM Working Session November 29 - December 3 2010 JET/Culham, UK	4
3.2.1	1.Monday	4
3.2.2	2.Tuesday	4
3.2.2.1	DT discussion	4
3.2.2.2	Reports from working session	5
3.2.3	3.Wednesday	5
3.2.4	5.Friday	5
3.3	ISM Working Session March 7 - 11 2011 Cadarache, France	5
3.3.1	1.Monday	5
3.3.2	2.Tuesday	6
3.3.2.1	ISM-IO core-SOL integrated modelling meeting	6
3.3.2.2	Reports from working session	6
3.3.3	3.Wednesday	6
3.3.4	4.Thursday	6
3.3.5	5.Friday	6
3.4	ISM Working Session July 4 - 8 2011 FOM, Netherland	7
3.4.1	1.Monday	7
3.4.2	2.Tuesday	7
3.4.3	3.Wednesday	7
3.4.4	5.Friday	8
3.5	ISM Working Session November 7 - 11 2011 JET Culham, UK	8
3.5.1	1.Monday	8
3.5.2	2.Tuesday	8
3.5.3	3.Wednesday	9
3.5.4	4.Thursday	9
3.5.5	5.Friday	9
3.6	ISM Working Session May 21 - 25 2012 Vienna, Austria	10

3.6.1	1.Monday	10
3.6.2	5.Friday	10
3.7	ISM Working Session November 19 - 23 2012 JET Culham, UK	11
3.7.1	1.Monday	11
3.7.2	2.Tuesday: Joint ISM and JET TF meeting on scenario modelling	11
3.7.3	4.Thursday	11
3.7.4	5.Friday	11
3.8	ISM Working Session March 11 - 15 2013 EFDA-Garching, Germany	12
3.8.1	1.Monday	12
3.8.2	2.Tuesday	12
3.8.3	3.Friday	13
3.9	ISM Working Session June 3 - 7 2013 CEA-Cadarache, France	13
3.9.1	1.Monday	13
3.9.2	4.Thursday "Joint ISM-IO meeting on integrated scenario modelling for ITER"	14
3.9.3	5.Friday	14
3.10	ISM Working Session December 2 - 6 2013 JET, UK	15
3.10.1	1.Monday	15
3.10.2	2.Tuesday	15
3.10.3	4.Thursday	15
3.10.4	5.Friday	15
3.11	Remote meetings	15
3.11.1	September 29, 2010	15
3.11.2	October 27, 2010	16
3.11.3	November 10, 2010	16
3.11.4	November 24, 2010	16
3.11.5	January 19, 2011	16
3.11.6	February 9, 2011	16
3.11.7	February 16, 2011	16
3.11.8	March 2, 2011	16
3.11.9	April 6, 2011	17
3.11.10	April 27, 2011	17
3.11.11	May 11, 2011	17
3.11.12	June 8, 2011	17
3.11.13	June 22, 2011	17
3.11.14	September 7, 2011	18
3.11.15	September 28, 2011	18
3.11.16	October 12, 2011	18
3.11.17	October 26, 2011	18
3.11.18	November 23, 2011	18
3.11.19	January 25, 2012	19
3.11.20	February 8, 2012	19
3.11.21	February 22, 2012	19
3.11.22	April 25, 2012	19
3.11.23	June 13, 2012	19
3.11.24	June 20, 2012	19

3.11.25 September 26, 2012	20
3.11.26 October 24, 2012	20
3.11.27 December 19, 2012	20
3.11.28 February 6, 2013	20
3.11.29 February 20, 2013	21
3.11.30 April 10, 2013	21
3.11.31 May 23, 2013	21
3.11.32 June 26, 2013	21
3.11.33 September 4, 2013	22
3.11.34 September 25, 2013	22
3.11.35 November 6, 2013	22
4 Publications	22
4.1 Journal papers	22
4.1.1 2011	22
4.1.2 2012	23
4.1.3 2013	23
4.2 Conference proceedings	23
4.2.1 2011	23
4.2.2 2012	23
4.2.3 2013	23
4.3 External meetings	24
4.3.1 2011	24
4.3.2 2012	24
5 Private ISM pages	24

1 Scientific Rationale and Main Objectives

Integrated scenario modelling is essential for understanding the physics of magnetically confined fusion plasmas, prediction and optimisation of plasma performance. The main objectives of the ISM group within the ITM TF are to provide support to:

- interpretative and predictive scenario modelling on existing EU tokamaks addressing the physics and operational issues
- scenario modelling activities to cover the preparation of operational scenario for ITER, JT60-SA, DEMO

2 ISM activities

ACT1: Support to the validation and physics application of the ETS and ITM tools

ACT2: Interpretative and predictive scenario modelling on existing devices

ACT3: Support to predictive scenario modelling for future devices (e.g. JT60-SA, ITER, DEMO)

3 Meetings

3.1 2010/09/13-17 ITM General Meeting in Lisbon and ISM Working Session

3.1.1 1.Monday

- *Integrated Scenario Modelling, ISM, Workprogramme* ([pdf¹](#)), by X.Litaudon

¹https://www.efda-itm.eu/ITM/imports/ism/public/WS_September_2010/1.Monday/ISM_Litaudon.pdf

- ITER Hybrid Regime: modelling requests (pdf ²), by W.Houlberg
- JET hybrid regime: requests for modelling (pdf ³), by E.Joffrin
- Modelling of hybrid regime - present status (pdf ⁴), by V.Parail
- ASDEX Upgrade hybrid regime: requests in terms of modelling (pdf ⁵), by J.Hobirk

3.1.2 2.Tuesday

- Validation and verification of the European Transport Solver (pdf ⁶), by D.Kalupin

3.1.3 3.Wednesday

- Options for Poloidal Field Diffusion Equation (PFDE) in ASTRA and TRANSP (ppt ⁷), by I.Voitsekhovitch
- Report on paper on density and fuelling on ITER (ppt ⁸), by L.Garzotti
- Current ramp-up wrapup and publication (ppt ⁹), by F.Imbeaux

last update: 2011-02-10 by konz

3.2 ISM Working Session November 29 - December 3 2010 JET/Culham, UK

3.2.1 1.Monday

- Welcome and agenda (pdf ¹⁰), by I.Voitsekhovitch
- Current rampdown at JET: experimental results and modelling tasks (pdf ¹¹), by I.Nunes
- Hybrid experiments for ISM modelling (ppt ¹²), by E.Joffrin

3.2.2 2.Tuesday

3.2.2.1 DT discussion

- Agenda (ppt ¹³), by I.Voitsekhovitch
- JET DT fusion yield projections (ppt ¹⁴), by C.Challis
- Heating of Thermal Ions by Alphas in DTE1: Heating or confinement improvement (ppt ¹⁵), by H.Weisen
- JET high field/high current H-mode - extrapolation to DT operation (ppt ¹⁶), by I.Voitsekhovitch

²https://www.efda-itm.eu/ITM/imports/ism/public/WS_September_2010/1.Monday/ISM_Houlberg.pdf

³https://www.efda-itm.eu/ITM/imports/ism/public/WS_September_2010/1.Monday/ISM_Joffrin.pdf

⁴https://www.efda-itm.eu/ITM/imports/ism/public/WS_September_2010/1.Monday/ISM_Parail.pdf

⁵https://www.efda-itm.eu/ITM/imports/ism/public/WS_September_2010/1.Monday/ISM_Hobirk.pdf

⁶https://www.efda-itm.eu/ITM/imports/ism/public/WS_September_2010/2.Tuesday/Kalupin_ETS_V_and_VT_Denis.ppt

⁷https://www.efda-itm.eu/ITM/imports/ism/public/WS_September_2010/3.Wednesday/ISM_Voitsekhovitch_PFDE_for_ETS.ppt

⁸https://www.efda-itm.eu/ITM/imports/ism/public/WS_September_2010/3.Wednesday/ISM_Garzotti.ppt

⁹https://www.efda-itm.eu/ITM/imports/ism/public/WS_September_2010/3.Wednesday/ISM_Imbeaux.ppt

¹⁰https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2010/1.Monday/Welcome_ISM.pdf

¹¹https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2010/1.Monday/Nunes_ISM_29Nov2010.ppt

¹²https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2010/1.Monday/Joffrin-ISM-29-11-2010.ppt

¹³https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2010/2.Tuesday/DT_discussion/Agenda_DT.ppt

¹⁴https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2010/2.Tuesday/DT_discussion/Challis_DT_fusion_yield_projections_ISM_30Nov2010.ppt

¹⁵https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2010/2.Tuesday/DT_discussion/Thomasalphaheatingsummary.ppt

¹⁶https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2010/2.Tuesday/DT_discussion/DT_Hmode_Voits.pdf

3.2.2.2 Reports from working session

- *Current diffusion analysis on JET hybrid shots* ([ppt 17](#)), by J.Garcia
- *New simulations of ITER hybrid scenario* ([ppt 18](#)), by J.Garcia
- *ITER baseline scenario ramp-up simulations with CREATE-NL + JINTRAC. Comparison CoppiTang/Bohm-gyroBohm - preliminary results* ([ppt 19](#)), by F.Koechl

3.2.3 3.Wednesday

- *Parameters for EPED simulations* ([ppt 20](#)), by X.Litaudon
- *Integrated ITER scenario modelling and density evolution prospects* ([ppt 21](#)), by S.Wiesen

3.2.4 5.Friday

- *Impurity concentration during the current ramp up* ([ppt 22](#)), by P.Belo
- *Predictive modelling of current ramp-down in JET discharges* ([pdf 23](#)), by J.Lonnroth
- *JET current ramp down with METIS code* ([ppt 24](#)), by J.F.Artaud
- *Update on ISM-P2-2010/11-08: ASDEX hybrid modelling* ([ppt 25](#)), by J.Citrin
- *#77922, #77914 Simulations with JETTO and comparison to CRONOS and measurement data* ([ppt 26](#)), by F.Koechl
- *Optimising ITER current ramp up for hybrid scenario* ([ppt 27](#)), by D.Hogewei
- *Parameter domain exploration with METIS for the ITER hybrid scenario* ([ppt 28](#)), by E.Nardon
- *Report on benchmarking of Coppi-Tang model in ASTRA and CORSICA* ([ppt 29](#)), by I.Voitsekhovitch
- *Very preliminary JT-60SA modelling with METIS code - Scenario #4* ([ppt 30](#)), by X.Litaudon
- *Conclusion working session Culham* ([ppt 31](#)), by X.Litaudon

last update: 2012-05-16 by [voitsekh](#)

3.3 ISM Working Session March 7 - 11 2011 Cadarache, France

3.3.1 1.Monday

- *Agenda* ([pdf 32](#)), by X.Litaudon

¹⁷https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2010/2.Tuesday/Reports_from_WS/neocladif.ppt

¹⁸https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2010/2.Tuesday/Reports_from_WS/newhybrid.ppt

¹⁹https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2010/2.Tuesday/Reports_from_WS/Comparison_BgB_CT_ITER_rampup_Koechl.ppt

²⁰https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2010/3.Wednesday/Litaudon_EPED.ppt

²¹https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2010/3.Wednesday/Wiesen_ISM_01dec2010.ppt

²²https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2010/5.Friday/Belo_current_ramp_up.ppt

²³https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2010/5.Friday/Lonnroth_JET_current_ramp_down2.pdf

²⁴https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2010/5.Friday/Artaud_rampdown.ppt

²⁵https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2010/5.Friday/JCitrin_ASDEX_CRONOS_GLF_report.ppt

²⁶https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2010/5.Friday/JET_77922_77914_JETTO_Koechl.ppt

²⁷https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2010/5.Friday/IHogeweiITERhybridramp_up3dec2010.ppt

ppt

²⁸https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2010/5.Friday/Nardon_ITER_hybrid_METIS.ppt

²⁹https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2010/5.Friday/Coppi_Tang_D3D.ppt

³⁰https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2010/5.Friday/Litaudon_JT60SA_ISM.ppt

³¹https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2010/5.Friday/Litaudon_concludingremarks_ISM.ppt

³²https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/1.Monday/ISM_WS_agenda.pdf

3.3.2 2.Tuesday

3.3.2.1 ISM-IO core-SOL integrated modelling meeting

- *Agenda of joint meeting/discussion: integrated core-edge-SOL modelling for ITER: present status & perspectives* (ppt ³³), by I.Voitsekhovitch
- *ITER integrated modelling: Plasma Simulator(s) and Spatial Domain Coupling* (ppt ³⁴), by W.A.Houlberg
- *On core-SOL Integration in Scenario Modelling for ITER* (pdf ³⁵), by A.S.Kukushkin
- *Integrated ITER scenario modelling and density evolution prospects* (pdf ³⁶), by S.Wiesen
- *Fully predictive modelling of L-H and H-L transition* (ppt ³⁷), by V.Parail
- *ETS* (ppt ³⁸), by D.Coster

3.3.2.2 Reports from working session

- *Simulations of the H to L transition in JET plasmas* (ppt ³⁹), by P.Belo
- *Current diffusion analysis on JET hybrid shots* (pdf ⁴⁰), by J.Garcia

3.3.3 3.Wednesday

- *Current diffusion analysis on JET hybrid shots* (pdf ⁴¹), by J.Garcia
- *Draft of ISM talk on T&C ITPA for discussion/completion: ISM modelling activity on current ramp up* (ppt ⁴²), by I.Voitsekhovitch

3.3.4 4.Thursday

- *JT-60SA: operational scenarios and assessment of the plasmas* (ppt ⁴³), by G.Giruzzi
- *First CRONOS simulation of JT60-SA* (pdf ⁴⁴), by M.Schneider
- *LHCD in JT60_SA: a preliminary study* (pdf ⁴⁵), by E.Barbato

3.3.5 5.Friday

- *Next ISM working session: a word from the LOC* (pptx ⁴⁶), by D.Hogewei
- *Status of edge modelling with EDGE2D for ITER Hybrid Scenario* (ppt ⁴⁷), by D.Harting
- *SOUL1D benchmark using EDGE2D models and JET reference shots* (ppt ⁴⁸), by C.Guillemaut

³³https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/2.Tuesday/ISM_IO_core_SOL_integration_meeting/Agenda_core_SOL_discussion.ppt

³⁴https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/2.Tuesday/ISM_IO_core_SOL_integration_meeting/t110308_ISM.ppt

³⁵https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/2.Tuesday/ISM_IO_core_SOL_integration_meeting/AK-ISM.pdf

³⁶https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/2.Tuesday/ISM_IO_core_SOL_integration_meeting/Wiesen_ISM_08mar2011_c.pdf

³⁷https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/2.Tuesday/ISM_IO_core_SOL_integration_meeting/Parail_IO.ppt

³⁸https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/2.Tuesday/ISM_IO_core_SOL_integration_meeting/IMP3_ETS-v1.ppt

³⁹https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/2.Tuesday/Reports_from_WS/EPS-belo2011.ppt

⁴⁰https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/2.Tuesday/Reports_from_WS/neocladif_garcia.pdf

⁴¹https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/3.Wednesday/hybrid_garcia_ism_meeting.pdf

⁴²https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/3.Wednesday/ISM_TC_ITPA.ppt

⁴³https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/4.Thursday/GiruzziJT-60SA_ISM_1.ppt

⁴⁴https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/4.Thursday/jt60sa_cronos_schneider.pdf

⁴⁵https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/4.Thursday/JT60_SABarbato.pdf

⁴⁶https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/5.Friday/Hogewei_rijnhuizen_ad.pptx

⁴⁷https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/5.Friday/ISM_Harting.ppt

⁴⁸https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/5.Friday/ISM_Guillemaut.ppt

- Predictive modelling of H-L transition in JET ([ppt⁴⁹](#)), by V.Parail
- Report on AUG modelling ([ppt⁵⁰](#)), by J.Hobirk
- ETS validation ([ppt⁵¹](#)), by V.Basiuk
- Report on ISM WS: ACT1 ([ppt⁵²](#)), by I.Voitsekhovitch
- Optimizing ITER current ramp-up for hybrid scenario ([ppt⁵³](#)), by D.Hogeweij
- ITER hybrid density modelling: current status ([ppt⁵⁴](#)), by F.Koechl
- Optimisation of operational space for long pulse scenarios ([doc⁵⁵](#)), by A.Polevoi
- Optimisation of operational space for long pulse scenarios: xml table ([xml⁵⁶](#)), by A.Polevoi
- Residual fuelling by LFS hydrogen pellets in He plasmas ([doc⁵⁷](#)), by A.Polevoi
- First modelling of JT-60SA ([ppt⁵⁸](#)), by G.Giruzzi

last update: 2012-03-28 by coster

3.4 ISM Working Session July 4 - 8 2011 FOM, Netherland

3.4.1 1.Monday

- Agenda ([doc⁵⁹](#)), by X.Litaudon
- Introduction ([ppt⁶⁰](#)), by X.Litaudon
- Validation ETS JET hybrid 77922: status and future work ([ppt⁶¹](#)), by I.Voitsekhovitch
- Predictive transport analysis of JET and AUG hybrid scenarios ([ppt⁶²](#)), by J.Citrin
- Update on hybrid scenario ([ppt⁶³](#)), by J.Garcia

3.4.2 2.Tuesday

- Controllability analysis of the magnetic flux distribution in ITER hybrid scenarios ([pdf⁶⁴](#)), by M. de Baar
- RAPTOR: a lightweight transport model for open-loop optimization and real-time simulation ([pdf⁶⁵](#)), by F.Felici

3.4.3 3.Wednesday

- Modeling development for control for ITER advanced scenarios ([pdf⁶⁶](#)), by T.Casper
- Current ramp up in JET hybrid scenarios ([pdf⁶⁷](#)), by I.Voitsekhovitch

⁴⁹https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/5.Friday/Parail_PredictivemodellingofH-LtransitioninJET.ppt

⁵⁰https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/5.Friday/report_AUG.ppt

⁵¹https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/5.Friday/report_ACT1.ppt

⁵²https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/5.Friday/report_ACT1.ppt

⁵³https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/5.Friday/Hogeweij_ITERhybridramp-upHogeweijISM11mar2011.ppt

⁵⁴https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/5.Friday/ITER_hybrid_pred_ne.ppt

⁵⁵https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/5.Friday/Tasks-Long-Pulse-ISM-Call_for_data.doc

⁵⁶https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/5.Friday/Long-Pulse.xls

⁵⁷https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/5.Friday/H-Pellet-in-He-ISM.doc

⁵⁸https://www.efda-itm.eu/ITM/imports/ism/public/WS_March_2011/5.Friday/GiruzziJT-60SA_ISM_report.ppt

⁵⁹https://www.efda-itm.eu/ITM/imports/ism/public/WS_July_2011/1.Monday/ISM_agenda_WS_July2011_v4.doc

⁶⁰https://www.efda-itm.eu/ITM/imports/ism/public/WS_July_2011/1.Monday/Litaudon_introduction4july2011.ppt

⁶¹https://www.efda-itm.eu/ITM/imports/ism/public/WS_July_2011/1.Monday/ACT1_ISM_Voitsekhovitch_status.ppt

⁶²https://www.efda-itm.eu/ITM/imports/ism/public/WS_July_2011/1.Monday/JCitrin_AUG_JET_hybrid_summary.ppt

⁶³https://www.efda-itm.eu/ITM/imports/ism/public/WS_July_2011/1.Monday/jeronimo-ism_fom.ppt

⁶⁴https://www.efda-itm.eu/ITM/imports/ism/public/WS_July_2011/2.Tuesday/ISM_debaar.pdf

⁶⁵https://www.efda-itm.eu/ITM/imports/ism/public/WS_July_2011/2.Tuesday/ffelici_ITM_ISM_WGmeeting05.07.pdf

⁶⁶https://www.efda-itm.eu/ITM/imports/ism/public/WS_July_2011/3.Wednesday/CasperISMtalkUtrechtJuly2011.pdf

⁶⁷https://www.efda-itm.eu/ITM/imports/ism/public/WS_July_2011/3.Wednesday/Irina_ISM_WS_july2011.pdf

3.4.4 5.Friday

- *Introduction* ([pdf⁶⁸](#)), by X.Litaudon
- *ASTRA, JETTO, ETS benchmarking for current drive case 2: NCLASS* ([pdf⁶⁹](#)), by I.Voitsekhovitch
- *Short update on the JET/AUG hybrid modelling activity* ([ppt⁷⁰](#)), by J.Citrin
- *Analysis of current diffusion on ASDEX-Upgrade* ([ppt⁷¹](#)), by J.Garcia
- *Optimisation of the current ramp up phase for hybrid ITER discharges* ([ppt⁷²](#)), by G.M.D.Hogeweij
- *#77922: current ramp-down* ([ppt⁷³](#)), by F.Koechl
- *Update on hybrid scenario* ([ppt⁷⁴](#)), by J.Garcia
- *MHD stability analysis at ISM working session* ([ppt⁷⁵](#)), by J.Lonnroth
- *JT-60SA: report from working session 04-08 July 2011* ([ppt⁷⁶](#)), by X.Litaudon
- *Benchmarking of momentum equation and GLF23 model for momentum: present status* ([doc⁷⁷](#)), by I.Voitsekhovitch

last update: 2012-03-28 by coster

3.5 ISM Working Session November 7 - 11 2011 JET Culham, UK

3.5.1 1.Monday

- *Agenda* ([pdf⁷⁸](#)), by X.Litaudon
- *Welcome* ([pdf⁷⁹](#)), by I.Voitsekhovitch
- *Introduction* ([ppt⁸⁰](#)), by X.Litaudon
- *Low activation phase on ITER* ([ppt⁸¹](#)), by T.Casper
- *Corisca simulations of ITER hybrid mode operation* ([ppt⁸²](#)), by T.Casper

3.5.2 2.Tuesday

- *Task Force meeting on scenario modelling: introduction* ([ppt⁸³](#)), by E.Joffrin
- *Introduction* ([ppt⁸⁴](#)), by X.Litaudon
- *Wall proximity and shape validation in H-mode* ([ppt⁸⁵](#)), by C.Challis
- *Characterization of L-mode domain* ([ppt⁸⁶](#)), by D.Frigione

⁶⁸https://www.efda-itm.eu/ITM/imports/ism/public/WS_July_2011/5.Friday/Litaudon_introduction.pdf

⁶⁹https://www.efda-itm.eu/ITM/imports/ism/public/WS_July_2011/5.Friday/Voitsekhovitch_ISM_ACT1.pdf

⁷⁰https://www.efda-itm.eu/ITM/imports/ism/public/WS_July_2011/5.Friday/79630_GLF23_benchmark_CRONOS_JETTO.ppt

⁷¹https://www.efda-itm.eu/ITM/imports/ism/public/WS_July_2011/5.Friday/jeronimo-ism_fom_asdex.ppt

⁷²https://www.efda-itm.eu/ITM/imports/ism/public/WS_July_2011/5.Friday/ITER_hybrid_rampup_Hogeweij.ppt

⁷³https://www.efda-itm.eu/ITM/imports/ism/public/WS_July_2011/5.Friday/Kochl_77922_rampdown.ppt

⁷⁴https://www.efda-itm.eu/ITM/imports/ism/public/WS_July_2011/5.Friday/jeronimo-ism_fom_rampdown.ppt

⁷⁵https://www.efda-itm.eu/ITM/imports/ism/public/WS_July_2011/5.Friday/Lonnroth_ISM_working_session_2011.ppt

⁷⁶https://www.efda-itm.eu/ITM/imports/ism/public/WS_July_2011/5.Friday/Litaudon_JT-60SA.ppt

⁷⁷https://www.efda-itm.eu/ITM/imports/ism/public/WS_July_2011/5.Friday/Voitsekhovitch_momentum.ppt

⁷⁸https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/1.Monday/ISM_agenda_WS_November2011.pdf

⁷⁹https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/1.Monday/Welcome_ISM.ppt

⁸⁰https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/1.Monday/Litaudon_introduction.ppt

⁸¹https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/1.Monday/CasperLowActivationISMnov2011Culham.pptx

⁸²https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/1.Monday/CoriscasimulationsofITERhybridmodeoperation_SHKIM_ISM_JET.pptx

⁸³https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/2.Tuesday/TF_-introduction_Joffrin.ppt

⁸⁴https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/2.Tuesday/Litaudon_introduction.ppt

⁸⁵https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/2.Tuesday/Ex214_Challis_modelling_needs_8Nov2011.ppt

8Nov2011.ppt

⁸⁶https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/2.Tuesday/df-ex-2.1.3.ppt

- *H-mode baseline scenario at 2.5 MA* ([ppt⁸⁷](#)), by B.Bucalossi
- *L-H power threshold studies: Be/W vs C* ([ppt⁸⁸](#)), by G.Calabro
- *Modelling requirements for Ex-2.1.7 'Current profile access and scenario overlap'* ([ppt⁸⁹](#)), by J.Mailloux
- *Ex-2.3.1 Hybrid scenario development with the ILW* ([ppt⁹⁰](#)), by J.Hobirk
- *Ex 1.1.7/2.2.1/2.2.2 Modelling needs* ([pdf⁹¹](#)), by J.Coenen
- *Ex -2.2.3 Integration of seeding and ELM control techniques* ([ppt⁹²](#)), by P.Monier-Garbet
- *Ex -1.3.2 Fuelling and Seeding studies: Modelling aims* ([ppt⁹³](#)), by G.Maddison
- *Ex -2.2.5: Radiating type III ELMy H-mode* ([ppt⁹⁴](#)), by A.Huber
- *Edge modelling resources - November 2011* ([ppt⁹⁵](#)), by M.Groth

3.5.3 3.Wednesday

- *The EPED Pedestal Model: Tests on JET and Predictions for ISM ITER Scenarios* ([pdf⁹⁶](#)), by P.Snyder

3.5.4 4.Thursday

- *Update on the collaboration project for the analysis of JT60U and JET shots* ([pdf⁹⁷](#)), by J.Garcia
- *First Analysis of Integrated Magnetic and Kinetic Control Experiments for AT Scenarios on DIII-D* ([pdf⁹⁸](#)), by D.Moreau

3.5.5 5.Friday

- *Introduction* ([ppt⁹⁹](#)), by X.Litaudon
- *Bootstrap comparison with NCLASS CRONOS/ASTRA* ([ppt¹⁰⁰](#)), by V.Basiuk
- *SANCO - ETS/impurity code benchmarking for Be* ([ppt¹⁰¹](#)), by I.Ivanova-Stanik
- *Modelling of JET current ramp down discharges with Bohm-gyroBohm model* ([doc¹⁰²](#)), by J.Bizarro
- *Update on AUG/JET modelling* ([ppt¹⁰³](#)), by J.Citrin
- *L-H and H-L transition* ([ppt¹⁰⁴](#)), by P.Belo
- *LHCD during JET current ramp up* ([pdf¹⁰⁵](#)), by E.Barbato
- *Particle transport in JET and ITER HS* ([ppt¹⁰⁶](#)), by L.Garzotti

⁸⁷https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/2.Tuesday/Ex-2.1.5_Modelling.ppt

⁸⁸https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/2.Tuesday/Ex3_2_1_GC_TFM081111.ppt

⁸⁹https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/2.Tuesday/mailloux_bourdelle_Ex2.1.7_08-11-2011.ppt

⁹⁰https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/2.Tuesday/Hybrid_modelling_Hobirk_8_11_2011_v2.ppt

⁹¹https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/2.Tuesday/Ex2.2.2+2.2.1.Modeling_needs.pdf

⁹²https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/2.Tuesday/Ex-2.2.3-modelling.ppt

⁹³https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/2.Tuesday/GMaddison_TFsE1-E2_Modelling_111108.ppt

⁹⁴https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/2.Tuesday/AHuber_Exp_2_2_5_prep_01.ppt

⁹⁵https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/2.Tuesday/ModellingResources_Nov11_v1.ppt

⁹⁶https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/3.Wednesday/snyder_ism_11_11.pdf

⁹⁷https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/4.Thursday/JAEA_update.pdf

⁹⁸https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/4.Thursday/DMoreau_D3D093011.pdf

⁹⁹https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/5.Friday/Litaudon_conclusion.ppt

¹⁰⁰https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/5.Friday/Vincent_comp_bootstrap.ppt

¹⁰¹https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/5.Friday/SANCO_ETS_report.ppt

¹⁰²https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/5.Friday/Bizarro_ISMWS_Nov2011.doc

¹⁰³https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/5.Friday/J_Citrin_ISM11_11_update.ppt

¹⁰⁴https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/5.Friday/Belo_LH_and_HL_transition.ppt

¹⁰⁵https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/5.Friday/BARBATO.pdf

¹⁰⁶https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/5.Friday/Garzotti_Report_ISM.ppt

- *Real time control* ([pptx](#) ¹⁰⁷), by F.Liu
- *Self-consistent transport modelling with GLF23 model for JET HS 77922* ([ppt](#) ¹⁰⁸), by I.Voitsekhovitch
- *JT-60SA scenario modelling* ([ppt](#) ¹⁰⁹), by X.Litaudon

last update: 2012-05-16 by coster

3.6 ISM Working Session May 21 - 25 2012 Vienna, Austria

3.6.1 1.Monday

- *Local information* ([ppt](#) ¹¹⁰), by F.Koechl
- *Agenda* ([pdf](#) ¹¹¹), by X.Litaudon
- *Introduction* ([ppt](#) ¹¹²), by X.Litaudon
- *Modelling of JET Hybrid Scenarios* ([pdf](#) ¹¹³), by I.Voitsekhovitch
- *Optimizing the current ramp up phase for the hybrid ITER scenario* ([ppt](#) ¹¹⁴), by G.M.D.Hogeweij
- *Application of the parameterized EPED1 model to time-dependent transport simulation* ([pdf](#) ¹¹⁵), by S.H.Kim

3.6.2 5.Friday

- *NCLASS benchmark* ([ppt](#) ¹¹⁶), by V.Basiuk
- *Current diffusion in hybrid scenarios* ([ppt](#) ¹¹⁷), by J.Garcia
- *Density simulation in JET HS* ([ppt](#) ¹¹⁸), by L.Garzotti
- *Modelling of ELM mitigation at JET: study of density depletion at high fELM* ([ppt](#) ¹¹⁹), by F.Koechl
- *ITER hybrid scenario GLF23 modelling with EPED1 pedestal prediction* ([ppt](#) ¹²⁰), by J.Citrin
- *Free boundary equilibrium transport simulations of ITER scenarios under control* ([ppt](#) ¹²¹), by J.Urban
- *Modelling of ITER hybrid scenario: sensitivity analysis with METIS* ([ppt](#) ¹²²), by X.Litaudon
- *ARTAEMIS:Plasma response models and profile control in ITER* ([ppt](#) ¹²³), by F.Liu
- *Implementation of the JT-60SA NBI configuration in EU transport codes* ([ppt](#) ¹²⁴), by T.Bolzonella
- *Update on the collaboration project for the analysis of JT60U and JET shots* ([ppt](#) ¹²⁵), by J.Garcia
- *Predictive simulations of JT60-SA* ([ppt](#) ¹²⁶), by L.Garzotti

last update: 2013-06-27 by dpc

¹⁰⁷https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/5.Friday/Feng_nov2011.pptx

¹⁰⁸https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/5.Friday/Voitsekhovitch_ISMWS_Nov2011.ppt

¹⁰⁹https://www.efda-itm.eu/ITM/imports/ism/public/WS_November_2011/5.Friday/Litaudon-JT-60SA.ppt

¹¹⁰https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_05/1.Monday/Koechl_LOC.ppt

¹¹¹https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_05/1.Monday/ISM_agenda_WS_May_2012.pdf

¹¹²https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_05/1.Monday/Litaudon_introduction.ppt

¹¹³https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_05/1.Monday/Voitsekhovitch_IISMWS_21may2012.pdf

¹¹⁴https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_05/1.Monday/ITER_ramp_up_Hogeweij.ppt

¹¹⁵https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_05/1.Monday/Parameterized_EPED1_SHKIM.pdf

¹¹⁶https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_05/5.Friday/Basiuk_Code_Camp_ISM_2012.ppt

¹¹⁷https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_05/5.Friday/Garcia_current_diffusion.ppt

¹¹⁸https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_05/5.Friday/Garzotti_JET_hybrid.ppt

¹¹⁹https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_05/5.Friday/Koechl_density_depletion.ppt

¹²⁰https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_05/5.Friday/Citrin_ISM_Vienna2012.ppt

¹²¹https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_05/5.Friday/freebie_iter_may2012_ism.pdf

¹²²https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_05/5.Friday/Litaudon_HybridMetis.ppt

¹²³https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_05/5.Friday/Feng_Vienna.ppt

¹²⁴https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_05/5.Friday/Bolzonella_JT60SA_NBI.ppt

¹²⁵https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_05/5.Friday/Garcia_JAEA_update2.ppt

¹²⁶https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_05/5.Friday/Barbato_JT60SA.ppt

3.7 ISM Working Session November 19 - 23 2012 JET Culham, UK

3.7.1 1.Monday

- *Welcome and local information* ([ppt¹²⁷](#)), by I.Voitsekhovitch
- *Agenda* ([ppt¹²⁸](#)), by X.Litaudon
- *High priority modeling tasks from IOS-ITPA* ([ppt¹²⁹](#)), by G.Sips
- *Pulses for analysis with the ILW* ([ppt¹³⁰](#)), by E.Joffrin
- *JINTRAC capabilities for integrated core - edge modelling* ([ppt¹³¹](#)), by M.Romanelli
- *Coupled core-SOL simulations of L-H and H-L transitions in ITER* ([ppt¹³²](#)), by V.Parail

3.7.2 2.Tuesday: Joint ISM and JET TF meeting on scenario modelling

- *Status of the scenario analysis and modelling work for C29 and C30* ([ppt¹³³](#)), by E.Joffrin
- *Analysis of current diffusion with ILW* ([pptx¹³⁴](#)), by J.Garcia
- *The q-profile formation in Hybrid pulses with ILW: modelling and experiment* ([ppt¹³⁵](#)), by Yu.Baranov
- *ITER ramp-up and ramp-down* ([pptx¹³⁶](#)), by D.Hogewej
- *JETTO simulations of q profile during ramp up and ramp down* ([pptx¹³⁷](#)), by E.Barbato

3.7.3 4.Thursday

- *JET and JT-60U current profile modelling with identity plasma experiments* ([pptx¹³⁸](#)), by P.Siren
- *Modelling of JET hybrid scenarios with GLF23 transport model: effect of the ExB shear and betae stabilization on anomalous transport* ([ppt¹³⁹](#)), by I.Voitsekhovitch
- *Short update on particle transport modelling following EPS conference: ideas on how to proceed* ([ppt¹⁴⁰](#)), by L.Garzotti

3.7.4 5.Friday

- *Raport JET ISM Code camp: impurity simulations for JET 81856* ([ppt¹⁴¹](#)), by I.Ivanova-Stanik
- *Verification on the code ETS Impurity and ADAS with code SANCO for Ni* ([ppt¹⁴²](#)), by I.Ivanova-Stanik
- *ACT1: Predictive modelling of Hybrid Scenarios and comparison to experimental data* ([pdf¹⁴³](#)), by A.Figueiredo
- *JETTO Run to Benchmark ETS Neutrals Package* ([ppt¹⁴⁴](#)), by F.Nave
- *ITER-like ramp-up: comparison experimental and synthesized polarimeter and MSE data* ([ppt¹⁴⁵](#)), by G.M.D.Hogewej

¹²⁷https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/1.Monday/Welcome_local_info.ppt

¹²⁸https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/1.Monday/Litaudon_introduction.ppt

¹²⁹https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/1.Monday/IOS_modelling_tasks.ppt

¹³⁰https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/1.Monday/ISM_Joffrin_19_11_2012.ppt

¹³¹https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/1.Monday/JINTRAC_ISM_19112012.ppt

¹³²https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/1.Monday/ISM_Parail.ppt

¹³³https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/2.Tuesday/Joffrin_TF.ppt

¹³⁴https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/2.Tuesday/Garcia_TF.pptx

¹³⁵https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/2.Tuesday/Baranov_TF.ppt

¹³⁶https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/2.Tuesday/Hogewej_TF.pptx

¹³⁷https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/2.Tuesday/Barbato_TF.pptx

¹³⁸https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/4.Thursday/Siren.pptx

¹³⁹https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/4.Thursday/Voitsekhovitch_ISM_WS_Nov2012.ppt

¹⁴⁰https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/4.Thursday/Garzotti.ppt

¹⁴¹https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/5.Friday/Irena_JET_shot_81856.ppt

¹⁴²https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/5.Friday/Irena_JET_Ni_2012.ppt

¹⁴³https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/5.Friday/Figueiredo.pdf

¹⁴⁴https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/5.Friday/Nave_ETS_Benchmarking.ppt

¹⁴⁵https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/5.Friday/Hogewej_ISM_23Nov2012_ITERlike_RURD_qprofile_Analysis.ppt

- *Modelling of flux consumption in ILW current ramp-up discharges* ([ppt¹⁴⁶](#)), by F.Koechl
- *H-L transition with ITER like wall* ([ppt¹⁴⁷](#)), by P.Belo
- *Modelling of current ramp down* ([ppt¹⁴⁸](#)), by J.Bizarro
- *Preparation of B13-10 experiment - Hybrid with LHCD prelude* ([pptx¹⁴⁹](#)), by E.Barbato
- *Status on QualiKiz and TGLF validation and implementation in CRONOS* ([pdf¹⁵⁰](#)), by B.Baiocchi
- *Comparative transport analysis of JET and JT-60U discharges* ([pptx¹⁵¹](#)), by J.Garcia
- *IOS-TG Ramp-up simulation Task: C - Be-W* ([ppt¹⁵²](#)), by G.Sips
- *Pulse list for C29 and C30* ([ppt¹⁵³](#)), by E.Joffrin
- *ITER hybrid scenario modelling with EPED constraints* ([pptx¹⁵⁴](#)), by J.Citrin
- *Status on Relaxation of the ITER hybrid-scenario q0 constraint by sawtooth control* ([pptx¹⁵⁵](#)), by J.Citrin
- *Conclusions, information* ([ppt¹⁵⁶](#)), by X.Litaudon

last update: 2013-06-27 by dpc

3.8 ISM Working Session March 11 - 15 2013 EFDA-Garching, Germany

3.8.1 1.Monday

- *Agenda, news from the 1st week of code camp* ([pdf¹⁵⁷](#)), by I.Voitsekhovitch
- *Analysis and modelling of JET and JT-60U discharges* ([pptx¹⁵⁸](#)), by J.Garcia
- *COREDIV physicsl model* ([pdf¹⁵⁹](#)), by R.Stankiewicz
- *Modelling of the OH Ramp-Down Phase of JET Hybrid Pulses Using JETTO with Bohm-gyro-Bohm (BgB) Transport* ([pdf¹⁶⁰](#)), by J.Bizarro
- *ASTRA-7 a state-of-the-art IPP transport code* ([pdf¹⁶¹](#)), by E.Fable

3.8.2 2.Tuesday

- *Benchmarking of new NBI version in ASTRA against NUBEAM/TRANSP* ([ppt¹⁶²](#)), by I.Voitsekhovitch

¹⁴⁶https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/5.Friday/Koechl_Ramp_up_ILW_Flux_consumption.ppt

¹⁴⁷https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/5.Friday/ILW_paula.ppt

¹⁴⁸https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/5.Friday/ISM_Meeting_Bizarro.ppt

¹⁴⁹https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/5.Friday/Barbato_ISM_WG_22Nov12.pptx

¹⁵⁰https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/5.Friday/baiocchi.pdf

¹⁵¹https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/5.Friday/ISM_presentationJET_jeronimo.pptx

¹⁵²https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/5.Friday/Sips_IOS_modelling_CvsBeW.ppt

¹⁵³https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/5.Friday/PulseList_Joffrin.ppt

¹⁵⁴https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/5.Friday/JCitrin_ISM_Nov2012_summary.pptx

¹⁵⁵https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/5.Friday/JCitrin_ISM_Nov2012_summary.pptx

¹⁵⁶https://www.efda-itm.eu/ITM/imports/ism/public/WS_2012_11/5.Friday/Litaudon_conclusion.ppt

¹⁵⁷https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_03/1.Monday/Voitsekhovitch_Garcia_ISMWS1.pdf

¹⁵⁸https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_03/1.Monday/JET_JT60U_jeronimo_ISM.pptx

¹⁵⁹https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_03/1.Monday/Corediv_model.pdf

¹⁶⁰https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_03/1.Monday/Bizarro_Garching_Mar11_2013.pdf

¹⁶¹https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_03/1.Monday/ASTRA7_AUG_seminar_2012_EF.pdf

¹⁶²https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_03/2.Thursday/NBI_NUBEAM_FIN.ppt

3.8.3 3.Friday

- *Status of the NTM module on new Gateway 4.10a for ISM ACT1* ([ppt 163](#)), by S.Nowak
- *European Transport Solver Status* ([ppt 164](#)), by V.Basiuk
- *Code camp report* ([pdf 165](#)), by A.Figueiredo
- *Modelling of tungsten accumulation in pulses with ILW in JET* ([ppt 166](#)), by Yu.Baranov
- *ACT1: status of impurity simulations for JET discharges (shot 82794, t=46s) with ETS* ([ppt 167](#)), by I.Ivanova-Stanik
- *Linear Stability Chain in the new gateway* ([ppt 168](#)), by F.Nabais
- *Role of Fast Ions on JET Hybrid Scenarios* ([ppt 169](#)), by J.Garcia
- *ITER H-mode scenario with GLF23: impact of electromagnetic effects on fusion performance, effect of radiation* ([ppt 170](#)), by F.Koechl
- *Integrated core-pedestal-SOL modelling for H-mode ITER scenario including impurity* ([ppt 171](#)), by I.Ivanova-Stanik
- *Status of four field (Te, Ti, ni, Vtor) modelling for ITER* ([ppt 172](#)), by I.Voitsekhovitch
- *Activity within ISM* ([pptx 173](#)), by E.Barbato
- *Closing of working session* ([pdf 174](#)), by I.Voitsekhovitch

last update: 2015-08-07 by dpc

3.9 ISM Working Session June 3 - 7 2013 CEA-Cadarache, France

3.9.1 1.Monday

- *Agenda and working groups* ([pdf 175](#)), by I.Voitsekhovitch
- *STUDYING SCENARIOS FOR WEST WITH METIS* ([pptx 176](#)), by C.Bourdelle
- *Impact of W on current ramp-up phase in JET & ITER* ([pdf 177](#)), by G.M.D.Hogewei
- *Real-time reconstruction, control and optimization of plasma profiles using the RAPTOR code* ([pdf 178](#)), by F.Felici
- *Numerical optimization of the actuator trajectories in ITER hybrid scenario* ([pdf 179](#)), by J. van Dongen

¹⁶³https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_03/3.Friday/NTM_CC_Garching_March_2013.ppt

¹⁶⁴https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_03/3.Friday/Basiuk_ISM_2013_status_ETS_C.ppt

¹⁶⁵https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_03/3.Friday/Figueiredo.pdf

¹⁶⁶https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_03/3.Friday/Baranov_Report.ppt

¹⁶⁷https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_03/3.Friday/ACT1_ivanova.ppt

¹⁶⁸https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_03/3.Friday/Nabais.ppt

¹⁶⁹https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_03/3.Friday/fast_ion_jeronimo_ism.ppt

¹⁷⁰https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_03/3.Friday/Koechl_ISM_Garching_2013.ppt

¹⁷¹https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_03/3.Friday/ISMWS1_2013_COREDIV_4ITER.ppt

¹⁷²https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_03/3.Friday/Voitsekhovitch_ISMWS_March2013.ppt

¹⁷³https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_03/3.Friday/Barbato_ISM_15_3_13.pptx

¹⁷⁴https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_03/3.Friday/Voitsekhovitch_Garcia_ISMWS1_closing.pdf

¹⁷⁵https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_06/1.Monday/Agenda_June3_2013.pdf

¹⁷⁶https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_06/1.Monday/METIS_for_WEST_ISMmeeting_june13.pptx

¹⁷⁷https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_06/1.Monday/Hogewei.pdf

¹⁷⁸https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_06/1.Monday/ISM_meeting_RAPTOR_talk.pdf

¹⁷⁹https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_06/1.Monday/PresentatieISM.pdf

3.9.2 4.Thursday "Joint ISM-IO meeting on integrated scenario modelling for ITER"

- Agenda (pdf ¹⁸⁰), by I.Voitsekhovitch
- ITER Integrated Scenario Modelling needs (pptx ¹⁸¹), by A.Loarte
- PARTICLE TRANSPORT WITH THEORY-BASED MODELS (pptx ¹⁸²), by J.Garcia
- Modelling pellet fuelling (but not only) for ITER (pptx ¹⁸³), by L.Garzotti
- Core-SOL Modelling of ELM mitigation at JET (pdf ¹⁸⁴), by F.Koechl
- Integrated core-SOL modelling including impurity: ITER H-mode plasma (pdf ¹⁸⁵), by I.Voitsekhovitch
- Current ramp up in ITER: effects of impurity density (pdf ¹⁸⁶), by G.M.D.Hogewei
- RAPTOR capabilities for plasma simulation and control in ITER (pdf ¹⁸⁷), by F.Felici
- ITER Integrated Modelling Tools: Status and Outlook (pptx ¹⁸⁸), by S.Pinches

3.9.3 5.Friday

- Agenda (pdf ¹⁸⁹), by I.Voitsekhovitch
- Modelling of JET hybrid scenarios with European Transport Solver (pdf ¹⁹⁰), by A.Figueiredo
- ISM ACT1: progress in simulation of NTM effect in JET discharge (pdf ¹⁹¹), by S.Nowak
- ACT1: Status of impurity modelling with ETS (ppt ¹⁹²), by I.Ivanova-Stanik
- Transport analysis of JET H-MODE and hybrid plasmas using Qualikiz, TGLF and GLF23 (pptx ¹⁹³), by B. Baiocchi
- Progress on simulations of density profiles in hybrid plasmas (pptx ¹⁹⁴), by L. Garzotti
- Four-field simulations (n_i , T_e , T_i , V_{tor} , j) of ITER HS with GLF23 model: effect of toroidal rotation on fusion performance (pdf ¹⁹⁵), by I. Voitsekhovitch
- ACT2: JET current ramp up/down modelling (pdf ¹⁹⁶), by D. Hogewei
- RAPTOR-based real-time observer: first ITER demonstration (pdf ¹⁹⁷), by F. Felici
- Numerical optimization of the actuator trajectories in ITER hybrid scenario (pdf ¹⁹⁸), by J. van Dongen

last update: 2013-09-12 by dpc

¹⁸⁰https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_06/4.Thursday/Agenda_IO_ISM.pdf

¹⁸¹https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_06/4.Thursday/ISM_ITER_Modelling_needs.pptx

¹⁸²https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_06/4.Thursday/ITER_IO_jeronimo_ISM.pptx

¹⁸³https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_06/4.Thursday/ITER_pellet_fuelling.pptx

¹⁸⁴https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_06/4.Thursday/Koechl_ELM_mitigation.pdf

¹⁸⁵https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_06/4.Thursday/Voitsekhovitch_June6_2013.pdf

¹⁸⁶https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_06/4.Thursday/Hogewei_ISM_IO_meeting.pdf

¹⁸⁷https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_06/4.Thursday/ITER_control_meeting.pdf

¹⁸⁸https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_06/4.Thursday/Pinches_ISM_June_2013.pptx

¹⁸⁹https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_06/5.Friday/Agenda_ISM_ws_June7_2013.pdf

¹⁹⁰https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_06/5.Friday/A._Figueiredo_WS_Report.pdf

¹⁹¹https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_06/5.Friday/NTM_Cadarache_June_2013.pdf

¹⁹²https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_06/5.Friday/Irena_ACT1_report.pdf

¹⁹³https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_06/5.Friday/baiocchi_ism.pptx

¹⁹⁴https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_06/5.Friday/Garzotti_June7_2013.pptx

¹⁹⁵https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_06/5.Friday/Voitsekhovitch.pdf

¹⁹⁶https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_06/5.Friday/Hogewei_j_7june2013.pdf

¹⁹⁷https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_06/5.Friday/ISM_final_presentation_ffelici.pdf

¹⁹⁸https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_06/5.Friday/PresentatieISM.pdf

3.10 ISM Working Session December 2 - 6 2013 JET, UK

3.10.1 1.Monday

- *Welcome and Agenda of 3rd ISM working session, news from 5th ITM code camp* ([ppt¹⁹⁹](#)), by I.Voitsekhovitch

3.10.2 2.Tuesday

- *Heat transport study of H-MODE and hybrid plasmas using Qualikiz, TGLF and GLF23* ([pdf²⁰⁰](#)), by B.Baiocchi

3.10.3 4.Thursday

- *PROCESS DEMO1 simulations with JETTO+SANCO* ([ppt²⁰¹](#)), by F.Koechl

3.10.4 5.Friday

- *Agenda* ([ppt²⁰²](#)), by I.Voitsekhovitch
- *JETTO Run to Benchmark ETS Neutrals Package* ([pdf²⁰³](#)), by F.Nave
- *Key impact of energetic ions on the establishment of advanced tokamak regimes* ([pdf²⁰⁴](#)), by J.Garcia
- *Physics comparison and modelling of the JET and JT-60U core and edge: towards JT-60SA predictions* ([docx²⁰⁵](#)), by J.Garcia
- *ACT2: Summary of the task on ELM mitigation by kicks* ([ppt²⁰⁶](#)), by F.Koechl
- *ASTRA-COREDIV simulations for ITER hybrid scenario* ([ppt²⁰⁷](#)), by I.Ivanova-Stanik
- *Modelling of JET hybrid scenarios with GLF23 transport model: ExB shear stabilisation of anomalous transport* ([ppt²⁰⁸](#)), by I. Voitsekhovitch

last update: 2015-02-06 by dpc

3.11 Remote meetings

3.11.1 September 29, 2010

- *Introduction meeting 29 September* ([pdf²⁰⁹](#)), by X.Litaudon
- *Progress of Hybrid modeling for JET and extrapolation to D-T* ([pdf²¹⁰](#)), by J.Garcia
- *Integrated edge modelling plans for ISM 2010/2011* ([pdf²¹¹](#)), by S.Wiesen

¹⁹⁹https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_12/1.Monday/Welcome_Agenda_3rdISM_WS.ppt

²⁰⁰https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_12/2.Tuesday/baiocchi_ISM_03_12_2013_.pdf

²⁰¹https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_12/4.Thursday/Koechl_DEMO_test_modelling_with_JETTO.ppt

²⁰²https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_12/5.Friday/Agenda_6Dec2013.ppt

²⁰³https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_12/5.Friday/neutrals_JETTO_Transp_Dec2013.ppt

²⁰⁴https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_12/5.Friday/75225_analysis_jeronimo.pdf

²⁰⁵https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_12/5.Friday/H-mode_jeronimo_nuclear_fusion_2.docx

²⁰⁶https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_12/5.Friday/Koechl_ne_depletion_with_mitigated_ELMS.ppt

²⁰⁷https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_12/5.Friday/CODE_camp_ISM_JET-report.ppt

²⁰⁸https://www.efda-itm.eu/ITM/imports/ism/public/WS_2013_12/5.Friday/Voitsekhovitch_ISMWS_Dec2013.ppt

²⁰⁹https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2010_09_29/Litaudon_introduction.pdf

²¹⁰https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2010_09_29/Garcia.pdf

²¹¹https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2010_09_29/Wiesen.pdf

3.11.2 October 27, 2010

- *Introduction meeting 27 October* ([pdf 212](#)), by X.Litaudon
- *Report from ITPA-IOS meeting, 18-21 October 2010, Seoul (modeling aspects)* ([pdf 213](#)), by X.Litaudon
- *Optimization of the EC Launchers* ([pdf 214](#)), by M.Henderson

3.11.3 November 10, 2010

- *Introduction meeting 10 November* ([pdf 215](#)), by X.Litaudon
- *Status of modelling of DIII-D current ramp up discharges and comparison with JET* ([pdf 216](#)), by I.Voitsekhovitch

3.11.4 November 24, 2010

- *Introduction meeting 24 November* ([pdf 217](#)), by X.Litaudon

3.11.5 January 19, 2011

- *Introduction meeting 19 January 2011* ([pdf 218](#)), by X.Litaudon
- *CRONOS / JETTO benchmark on JET hybrid pulses #77922 and #76858* ([pdf 219](#)), by F.Koechl
- *Optimisation of operational phase for long-pulse scenarios* ([pdf 220](#)), by A.Polevoi

3.11.6 February 9, 2011

- *Introduction meeting 9 February 2011* ([pdf 221](#)), by X.Litaudon
- *Report from ITM/IMP3 Code Camp: ETS V&V* ([pdf 222](#)), by I.Voitsekhovitch
- *Proposals for ETS validation on JET Hybrid discharges* ([pdf 223](#)), by I.Voitsekhovitch

3.11.7 February 16, 2011

- *Introduction meeting 16 February 2011* ([pdf 224](#)), by X.Litaudon
- *Benchmark the ETS/impurity code against SANCO* ([pdf 225](#)), by P.Belo
- *EMC3-EIRENE 3D fluid SOL code package* ([pdf 226](#)), by D.Harting
- *Proposals for ETS validation on JET Hybrid discharges* ([pdf 227](#)), by J.Garcia

3.11.8 March 2, 2011

- *Preparation of the ISM working session 7 - 11 March 2011, Cadarache* ([ppt 228](#)), by X.Litaudon

²¹²https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2010_10_27/Litaudon_introduction.pdf

²¹³https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2010_10_27/Litaudon_ITPA.pdf

²¹⁴https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2010_10_27/Henderson_ITER_scenarios_EC.pdf

²¹⁵https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2010_11_10/Litaudon_introduction.pdf

²¹⁶https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2010_11_10/Voitsekhovitch_DIIID.pdf

²¹⁷https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2010_11_24/Litaudon_introduction.pdf

²¹⁸https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_01_19/Litaudon_introduction.pdf

²¹⁹https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_01_19/Koechl_JET_77922_76858_CRONOS_JETTO_comp.pdf

²²⁰https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_01_19/Polevoi-Tasks-Long-Pulse.pdf

²²¹https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_02_09/Litaudon_introduction.pdf

²²²https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_02_09/Voitsekhovitch_ETS_report.pdf

²²³https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_02_09/Voitsekhovitch_ETS_ISM-Validation.pdf

²²⁴https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_02_16/Litaudon_introduction.pdf

²²⁵https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_02_16/Belo_ETSimpurity_pop.pdf

²²⁶https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_02_16/Harting_16.02.2011_v4.pdf

²²⁷https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_02_16/Garcia_hybrid.pdf

²²⁸https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_03_02/ISM_WS_agenda-v4.ppt

3.11.9 April 6, 2011

- *Introduction meeting 6 April 2011* ([ppt 229](#)), by X.Litaudon
- *Density modelling for hybrid scenario at JET & ITER, preliminary results* ([pdf 230](#)), by L.Garzotti
- *Validation exercise of the Kepler Workflow* ([pdf 231](#)), by V.Basiuk
- *Summary report on ISM WS & ETS CC: ETS benchmarking* ([pdf 232](#)), by I.Voitsekhovitch

3.11.10 April 27, 2011

- *Introduction meeting 27 April 2011* ([pdf 233](#)), by X.Litaudon
- *IOS/ITPA activities* ([ppt 234](#)), by X.Litaudon
- *Optimizing ITER Current Ramp-up for hybrid scenario* ([pdf 235](#)), by D.Hogewej
- *Predictive transport analysis of JET and AUG hybrid scenarios* ([ppt 236](#)), by J.Citrin

3.11.11 May 11, 2011

- *Introduction meeting 11 May 2011* ([pdf 237](#)), by X.Litaudon
- *ETS V&V activity during coming Code Camp 23-27 May Helsinki* ([pdf 238](#)), by I.Voitsekhovitch
- *Analysis of the hybrid shot 77280* ([pdf 239](#)), by J.Garcia

3.11.12 June 8, 2011

- *Introduction meeting 8 June 2011* ([pdf 240](#)), by X.Litaudon
- *Summary of Chapter 2: Theoretical models and simulation codes* ([pdf 241](#)), by G.Giruzzi
- *Predictive transport simulations of JET L-mode plasmas: comparison between the GLF23 and the new TGLF model* ([pdf 242](#)), by E.Fable
- *Report on benchmarking of GLF23 model for toroidal velocity in ASTRA, CRONOS, FASTRAN, JETTO and ONETWO* ([pdf 243](#)), by I.Voitsekhovitch

3.11.13 June 22, 2011

- *Introduction meeting 22 June 2011* ([pdf 244](#)), by X.Litaudon
- *Density modelling for hybrid scenario at JET and ITER, preliminary results* ([pdf 245](#)), by L.Garzotti
- *ISM report: comparison between Kadomtsev and 'continuous' sawtooth reconnection model in JINTRAC* ([pdf 246](#)), by V.Parail

²²⁹https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_04_06/Litaudon_introduction.ppt

²³⁰https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_04_06/Garzotti.pdf

²³¹https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_04_06/Basiuk.pdf

²³²https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_04_06/Voitsekhovitch-report_ACT1_ISM_VV_impurity.pdf

²³³https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_04_27/Litaudon_introduction_v2.pdf

²³⁴https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_04_27/IOS_modelling.ppt

²³⁵https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_04_27/Hogewej_ISM_27apr2011.pdf

²³⁶https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_04_27/Citrin_AUGandJETmodellingupdate_2742011.ppt

²³⁷https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_05_11/Litaudon_introduction.pdf

²³⁸https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_05_11/ACT1_ISM_Voitsekhovitch.pdf

²³⁹https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_05_11/Garcia_77280v2.pdf

²⁴⁰https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_06_08/Litaudon_introduction.pdf

²⁴¹https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_06_08/Giruzzi_ISM_Chapter_2.pdf

²⁴²https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_06_08/Fable_TGLF_JET_ISM_8jun2011.pdf

²⁴³https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_06_08/Voitsekhovitch_GLF23benchmark_rotation.pdf

²⁴⁴https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_06_22/Litaudon_introduction.pdf

²⁴⁵https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_06_22/Garzotti_22_06_2011.pdf

²⁴⁶https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_06_22/Parail_report.pdf

- *Simulations of the H to L transition in JET plasmas (EPS 2011)* ([pdf 247](#)), by P.Belo
- *Predictive transport analysis of JET and AUG hybrid scenarios (EPS 2011)* ([pdf 248](#)), by J.Citrin
- *Optimization of current ramp up phase for hybrid ITER discharges (EPS 2011)* ([pdf 249](#)), by G.M.D.Hogewej

3.11.14 September 7, 2011

- *Introduction meeting 7 September 2011* ([pdf 250](#)), by X.Litaudon
- *SOUL: a 1D SOL module for CRONOS* ([pdf 251](#)), by R.Goswami
- *Chapter 10: theoretical models and simulation codes* ([pdf 252](#)), by G.Giruzzi
- *Plasma scenarios for JT60SA* ([pdf 253](#)), by E.Joffrin

3.11.15 September 28, 2011

- *Introduction meeting 28 September 2011* ([pdf 254](#)), by X.Litaudon
- *Report from ITM General Meeting and discussion on 2012 activities* ([pdf 255](#)), by I.Voitsekhovitch

3.11.16 October 12, 2011

- *Introduction meeting 12 October 2011* ([pdf 256](#)), by X.Litaudon
- *Fully predictive modelling of H-L transition in ITER and present day tokamaks (IOS ITPA meeting)* ([pdf 257](#)), by V.Parail
- *Update on current ramp up modelling (T&C ITPA meeting)* ([pdf 258](#)), by I.Voitsekhovitch

3.11.17 October 26, 2011

- *General information and preparation to the ISM working session November 7-11 2011* ([ppt 259](#)), by I.Voitsekhovitch

3.11.18 November 23, 2011

- *Introduction meeting 23 November 2011* ([ppt 260](#)), by X.Litaudon
- *Optimizing the current ramp-up phase for the hybrid ITER scenario* ([pdf 261](#)), by D.Hogewej
- *Integrated ITER scenario modelling and density evolution prospects* ([pdf 262](#)), by F.Koechl
- *A theory-based criterion for Internal Transport Barrier formation* ([pdf 263](#)), by F.Militello

²⁴⁷https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_06_22/Belo-EPS-2011.pdf

²⁴⁸https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_06_22/Citrin-EPS2011_5slidesummary.pdf

²⁴⁹https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_06_22/Hogewej_ISM_22jun2011.pdf

²⁵⁰https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_09_07/Litaudon_introduction.pdf

²⁵¹https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_09_07/Goswami_july_25_2011.pdf

²⁵²https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_09_07/Giruzzi_ISM_Chapter_10.pdf

²⁵³https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_09_07/Joffrin-07-09-2011.pdf

²⁵⁴https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_09_28/Litaudon_introduction.pdf

²⁵⁵https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_09_28/Voitsekhovitch_GMinfo_plans.pdf

²⁵⁶https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_10_12/Litaudon_introduction.pdf

²⁵⁷https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_10_12/Parail.pdf

²⁵⁸https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_10_12/Voitsekhovitch.pdf

²⁵⁹https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_10_26/Litaudon_Voitsekhovitch_introduction.ppt

²⁶⁰https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_11_23/Litaudon_introduction.ppt

²⁶¹https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_11_23/Hogewej_21th_Int_Toki_Conf4ISM.pdf

²⁶²https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_11_23/Koechl.pdf

²⁶³https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2011_11_23/Militello.pdf

3.11.19 January 25, 2012

- *Introduction meeting 25 January 2012* ([ppt²⁶⁴](#)), by X.Litaudon
- *DEMO modelling using PROCESS* ([ppt²⁶⁵](#)), by R.Kemp
- *Pellet DEMO* ([ppt²⁶⁶](#)), by L.Garzotti

3.11.20 February 8, 2012

- *Introduction meeting 8 February 2012* ([pdf²⁶⁷](#)), by X.Litaudon
- *ACT1 restart* ([pdf²⁶⁸](#)), by I.Voitsekhovitch

3.11.21 February 22, 2012

- *Introduction meeting 22 February 2012* ([pdf²⁶⁹](#)), by X.Litaudon
- *Modelling of kick-triggered ELMs at JET - current status* ([pdf²⁷⁰](#)), by F.Koechl
- *Modelling of JET hybrid scenarios with GLF23 model* ([pdf²⁷¹](#)), by I.Voitsekhovitch

3.11.22 April 25, 2012

- *Introduction meeting 25 April 2012* ([pdf²⁷²](#)), by X.Litaudon
- *IOS-ITPA (16-19 April 2012) summary report: modelling* ([pdf²⁷³](#)), by I.Voitsekhovitch
- *Update on the collaboration project for the analysis of JT60U and JET shots* ([pdf²⁷⁴](#)), by J.Garcia

3.11.23 June 13, 2012

- *Introduction meeting 13 June 2012* ([ppt²⁷⁵](#)), by X.Litaudon
- *Integrated core-edge modelling for JET Hybrid scenario* ([ppt²⁷⁶](#)), by P.Belo
- *Simulations of ASDEX-Upgrade HS with Bohm-gyroBohm transport model* ([ppt²⁷⁷](#)), by I.Voitsekhovitch
- *Linear gyro-kinetic analysis with GYRO code for shot 77922* ([pdf²⁷⁸](#)), by S.Moradi

3.11.24 June 20, 2012

- *Introduction meeting 20 June 2012* ([pdf²⁷⁹](#)), by X.Litaudon
- *Integrated modelling for tokamak plasma: physics and scenario optimisation* ([pdf²⁸⁰](#)), by I.Voitsekhovitch

²⁶⁴https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_01_25/Litaudon_introduction2.ppt

²⁶⁵https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_01_25/rk_process_demo_ISM_jan_2012.ppt

²⁶⁶https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_01_25/Demo_fuel_cycle_meeting_29_11_2011.ppt

²⁶⁷https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_02_08/Litaudon_introduction.pdf

²⁶⁸https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_02_08/Voitsekhovitch.pdf

²⁶⁹https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_02_22/Litaudon_introduction.pdf

²⁷⁰https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_02_22/Koechl.pdf

²⁷¹https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_02_22/Voitsekhovitch_Feb22_2012.pdf

²⁷²https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_04_25/Litaudon_introduction.pdf

²⁷³https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_04_25/Voitsekhovitch_IOS_summary.pdf

²⁷⁴https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_04_25/Garcia_JET_JT-60U.pdf

²⁷⁵https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_06_13/Litaudon_introduction.ppt

²⁷⁶https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_06_13/Belo_Integrated_core_edge_modelling.ppt

²⁷⁷https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_06_13/Voitsekhovitch_ISMWS_report.ppt

²⁷⁸https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_06_13/Moradi_ISM_presentation_13_june_2012_JET.PDF

²⁷⁹https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_06_20/Litaudon_introduction.pdf

²⁸⁰https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_06_20/iVoitsekhovitch_ISM_20june2012.pdf

- *Modelling of ELM mitigation at JET* (pdf ²⁸¹), by F.Koechl
- *Density simulation in JET HS* (pdf ²⁸²), by L.Garzotti
- *Free-boundary equilibrium transport simulations of ITER scenarios under control* (pdf ²⁸³), by J.Urban
- *A new free-boundary equilibrium evolution code, FREEBIE* (pdf ²⁸⁴), by S.H.Kim
- *Real time control hybrid ITER scenario* (pdf ²⁸⁵), by F.Liu
- *Comparative transport analysis of JET and JT-60U discharges* (pdf ²⁸⁶), by J.Garcia
- *Integrated modelling of JT-60SA scenarios with the METIS code* (pdf ²⁸⁷), by G.Giruzzi
- *Transport and Confinement in JT-60SA* (pdf ²⁸⁸), by E.Barbato

3.11.25 September 26, 2012

- *Introduction and ISM IAEA Modelling of Hybrid Scenario: from present-day experiments toward ITER* (pdf ²⁸⁹), by X.Litaudon
- *The EU ITM-TF effort - Achievements and First Physics Results* (pdf ²⁹⁰), by G.Falchetto
- *The European Transport Solver (ETS): an integrated approach for transport simulations in the plasma core* (pdf ²⁹¹), by D.Kalupin

3.11.26 October 24, 2012

- *Introduction and IOS-ITPA 2012 summary* (pdf ²⁹²), by X.Litaudon
- *Status of scenario studies for WEST* (pdf ²⁹³), by F.Imbeaux
- *Progress in the simulation of JET hybrid pulse 77922 with the European Transport Solver* (pdf ²⁹⁴), by A.Figueiredo
- *LHCD simulation by ASTRA/FRTC of JET discharges* (pdf ²⁹⁵), by E.Barbato
- *Short update on particle transport modelling following EPS conference* (pdf ²⁹⁶), by L.Garzotti

3.11.27 December 19, 2012

3.11.28 February 6, 2013

- *Organisation of modelling activities in 2013* (pdf ²⁹⁷), by I.Voitsekhovitch
- *Database for hybrid pulses with ILW: MHD, impurities, radiation, confinement* (pdf ²⁹⁸), by Yu.Baranov

²⁸¹https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_06_20/Koechl_Modelling_of_ELM_mitigation.pdf

²⁸²https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_06_20/Garzotti_JET_hybrid.pdf

²⁸³https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_06_20/JURBAN_EPS_overview_ISM.pdf

²⁸⁴https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_06_20/Kim_FREEBIE_EPS_ISM.pdf

²⁸⁵https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_06_20/Kim_FREEBIE_EPS_ISM.pdf

²⁸⁶https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_06_20/Garcia_EPS_ISM_meeting_jeronimo.pdf

²⁸⁷https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_06_20/Giruzzi_EPS_4ISM.pdf

²⁸⁸https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_06_20/Barbato.pdf

²⁸⁹https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_09_26/Litaudon_introduction_summaryIAEA.pdf

²⁹⁰https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_09_26/Falchetto_ITM_IAEA.pdf

²⁹¹https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_09_26/Kalupin_Summary_IAEA.pdf

²⁹²https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_10_24/Litaudon_introduction_summaryITPA.pdf

²⁹³https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_10_24/Imbeaux_WEST_Scenarios_ISM_20121024.pdf

²⁹⁴https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_10_24/Figueiredo_240ct2012.pdf

²⁹⁵https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_10_24/Barbato_ISM_240ct2012.pdf

²⁹⁶https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2012_10_24/Garzotti_240ct2012.pdf

²⁹⁷https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_02_06/Voitsekhovitch_Garcia_ISM_2013_02_06.pdf

²⁹⁸https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_02_06/Baranov_Hybrid_database.pdf

3.11.29 February 20, 2013

- *ISM news and coming events, preparation to coming ISM Working Session, March 11-15 2013* (pdf ²⁹⁹), by I.Voitsekhovitch
- *Turbulent transport analysis of JET H-mode and hybrid plasmas using QualiKiz, TGLF and GLF23* (pdf ³⁰⁰), by B.Baiocchi
- *Integrated core-pedestal-SOL modelling for H-mode ITER scenario including impurity* (pdf ³⁰¹), by I.Ivanova-Stanik

3.11.30 April 10, 2013

- *ISM news and coming events* (pdf ³⁰²), by I.Voitsekhovitch
- *Role of fast ions in hybrid scenarios* (pdf ³⁰³), by J.Garcia
- *Role of impurities in ITER-like ramp up in JET* (pdf ³⁰⁴), by G.M.D.Hogeweij
- *Modelling of particle transport and density effects in present experiments and projection to ITER* (pdf ³⁰⁵), by I.Voitsekhovitch

3.11.31 May 23, 2013

- *ISM news and coming events, preparation to 2nd ISM working session 2013* (pdf ³⁰⁶), by I.Voitsekhovitch
- *DEMO preliminary scenario analysis: introduction and METIS simulations* (ppt ³⁰⁷), by G.Giruzzi
- *Summary of WP12-SYS02 activity on DEMO1 scenario profile consistency* (pdf ³⁰⁸), by E.Fable
- *Simulations with COREDIV code of DEMO discharges* (ppt ³⁰⁹), by R.Zagorski
- *NBI simulations for DEMO1* (ppt ³¹⁰), by M.Baruzzo
- *DEMO1 profile consistency and sensitivity studies by METIS* (pdf ³¹¹), by T.Bolzonella
- *JINTRAC simulations for DEMO* (ppt ³¹²), by L.Garzotti

3.11.32 June 26, 2013

- *ISM news and coming events* (pdf ³¹³), by I.Voitsekhovitch
- *Modelling of JET hybrid scenarios with the European Transport Solver* (pdf ³¹⁴), by A.Figueiredo
- *Turbulent transport analysis of JET H-mode and hybrid plasmas using QualiKiz, TGLF and GLF23* (pdf ³¹⁵), by B.Baiocchi

²⁹⁹https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_02_20/Voitsekhovitch_Garcia_Feb20_2013.pdf

³⁰⁰https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_02_20/baiocchi_tt_new1.pdf

³⁰¹https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_02_20/COREDIV_JETTO.pdf

³⁰²https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_04_10/Voitsekhovitch_Garcia_Apr10_2013.pdf

³⁰³https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_04_10/Garcia_itpa.pdf

³⁰⁴https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_04_10/Hogeweij.pdf

³⁰⁵https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_04_10/Hogeweij.pdf

³⁰⁶https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_05_23/Voitsekhovitch_Garcia_May23_2013.pdf

³⁰⁷https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_05_23/SYS02_Giruzzi_ISM.ppt

³⁰⁸https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_05_23/WP1213_summary_EF.pdf

³⁰⁹https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_05_23/Simulations_COREDIV_DEMO_discharges.ppt

³¹⁰https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_05_23/Baruzzo_23_5_13.ppt

³¹¹https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_05_23/TBolzonella_SensitivityStudies_ISM_23052013.pdf

³¹²https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_05_23/DEMO_modelling_23_5_2013.ppt

³¹³https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_06_26/Voitsekhovitch_Garcia_June26_2013.pdf

³¹⁴https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_06_26/Figueiredo.pdf

³¹⁵https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_06_26/baiocchi_ism_26_06_2013.pdf

- *Integrated core+edge+MHD modelling of ELM mitigation at JET* ([ppt](#)³¹⁶), by F.Koechl
- *Current density modelling in JET and JT-60U identity plasma experiments* ([pdf](#)³¹⁷), by P.Siren

3.11.33 September 4, 2013

- *ISM news and coming events* ([pdf](#)³¹⁸), by I.Voitsekhovitch
- *Integrated core-SOL-divertor simulations of ITER H-mode scenarios with different pedestal density* ([pdf](#)³¹⁹), by I.Ivanova-Stanik

3.11.34 September 25, 2013

- *ISM news and coming events* ([pdf](#)³²⁰), by I.Voitsekhovitch
- *Modelling of ITER-like current ramps in JET with ILW: lessons for ITER regarding H-mode and li control* ([ppt](#)³²¹), by G.M.D.Hogewei
- *PHYSICS COMPARISON AND MODELING OF THE JET AND JT-60U CORE AND EDGE: TOWARDS JT-60SA PREDICTIONS* ([ppt](#)³²²), by J.Garcia
- *Prediction of particle transport and density profiles in ITER (modelling proposals)* ([ppt](#)³²³), by I.Voitsekhovitch

3.11.35 November 6, 2013

- *ISM news and coming events* ([ppt](#)³²⁴), by I.Voitsekhovitch
- *ITPA summary* ([ppt](#)³²⁵), by J.Garcia
- *EUROFUSION Consortium Call for Participation in Work Packages: modelling proposals* ([ppt](#)³²⁶), by I.Voitsekhovitch

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4 Publications

4.1 Journal papers

4.1.1 2011

- *Current ramps in tokamaks: from present experiments to ITER scenarios (Nucl. Fusion)* ([pdf](#)³²⁷), by F.Imbeaux

³¹⁶https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_06_26/Koechl_ISM_modelling_of_ELM_mitigation_at_JET.ppt

³¹⁷https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_06_26/ISM_rehearsal_PaulaSiren.pdf

³¹⁸https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_09_04/Voitsekhovitch_Garcia_Sept4_2013.pdf

³¹⁹https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_09_04/ITER_COREDIV_ISM_meeting_04_09_2013.pdf

³²⁰https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_09_25/Voitsekhovitch_Garcia_Sept25_2013.pdf

³²¹https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_09_25/Hogewei_Hmode_workshop.ppt

³²²https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_09_25/Garcia_Hmode.ppt

³²³https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_09_25/IOS_ITPA_Oct2013_Particle_transport_proposals_v1.ppt

³²⁴https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_11_06/Voitsekhovitch_Garcia_Nov6_2013.ppt

³²⁵https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_11_06/ITPA_summary.ppt

³²⁶https://www.efda-itm.eu/ITM/imports/ism/public/Remote_meetings/ISM_2013_11_06/Consortium_modelling_proposals.ppt

³²⁷https://www.efda-itm.eu/ITM/imports/ism/public/Publications/Imbeaux_NF_2011.pdf

4.1.2 2012

- *Simulations of density profiles, pellet fuelling and density control in ITER (Nucl. Fusion)* ([pdf](#) ³²⁸), by L.Garzotti
- *Predictive analysis of q-profile influence on transport in JET and ASDEX Upgrade hybrid scenarios (PPCF)* ([pdf](#) ³²⁹), by J.Citrin

4.1.3 2013

- *Optimizing the current ramp-up phase for the hybrid ITER scenario (Nuclear Fusion)*
- *Modelling of hybrid scenario: from present-day experiments towards ITER (Nuclear Fusion)*
- *Determination of the off-axis current for the sustainment of the q-profile on JET hybrid scenarios(PPCF)*

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4.2 Conference proceedings

4.2.1 2011

- *ITER Scenario Modelling (ISM) (EPS)* ([ppt](#) ³³⁰), by ISM group
- *Simulations of the H to L transition in JET plasmas (EPS)* ([pdf](#) ³³¹), by P.Belo
- *Predictive transport analysis of JET and AUG hybrid scenarios (EPS)* ([pdf](#) ³³²), by J.Citrin
- *Determination of the requirements for the sustainment of hybrid scenarios on JET (EPS)* ([pdf](#) ³³³), by J.Garcia
- *Optimization of the current ramp-up phase for hybrid ITER discharges (EPS)* ([pdf](#) ³³⁴), by G.M.D.Hogewei
- *Optimizing the current ramp-up phase for the hybrid ITER scenario (International Toki Conference)* ([pdf](#) ³³⁵), by G.M.D.Hogewei

4.2.2 2012

- *Simulations of Density Profiles in JET Hybrid Discharges (EPS)* ([pdf](#) ³³⁶), by L.Garzotti
- *Integrated modelling for tokamak plasma: physics and scenario optimisation (EPS)* ([pdf](#) ³³⁷), by I.Voitsekhovitch
- *Modelling of Hybrid Scenario: from present-day experiments toward ITER (IAEA)* ([pdf](#) ³³⁸), by X.Litaudon

4.2.3 2013

- *Turbulent transport analysis of JET H-mode and hybrid plasmas using QuaLiKiz, TGLF and GLF23 (EPS)* ([pdf](#) ³³⁹), by B.Baiocchi
- *Modelling of JET hybrid scenarios with the European Transport Solver (EPS)* ([pdf](#) ³⁴⁰), by A.Figueiredo
- *Integrated core+edge+SOL+MHD modelling of ELM mitigation at JET (EPS)* ([pdf](#) ³⁴¹), by F.Koechl

³²⁸https://www.efda-itm.eu/ITM/imports/ism/public/Publications/Garzotti_NF_2012.pdf

³²⁹https://www.efda-itm.eu/ITM/imports/ism/public/Publications/citrinPPCF2012_AUGJET.pdf

³³⁰https://www.efda-itm.eu/ITM/imports/ism/public/Conference_Proceedings/A0_ISM_poster_EPS2011_v4.ppt

³³¹https://www.efda-itm.eu/ITM/imports/ism/public/Conference_Proceedings/Belo_eps2011_paper.pdf

³³²https://www.efda-itm.eu/ITM/imports/ism/public/Conference_Proceedings/J_Citrin_EPS2011_paper.pdf

³³³https://www.efda-itm.eu/ITM/imports/ism/public/Conference_Proceedings/Garcia_eps2011.pdf

³³⁴https://www.efda-itm.eu/ITM/imports/ism/public/Conference_Proceedings/Hogewei_eps2011_paper.pdf

³³⁵https://www.efda-itm.eu/ITM/imports/ism/public/Conference_Proceedings/hogewei_pfr.pdf

³³⁶https://www.efda-itm.eu/ITM/imports/ism/public/Conference_Proceedings/Conf2012/Garzotti_eps2012.pdf

³³⁷https://www.efda-itm.eu/ITM/imports/ism/public/Conference_Proceedings/Conf2012/Voitsekhovitch_P4_066.pdf

³³⁸https://www.efda-itm.eu/ITM/imports/ism/public/Conference_Proceedings/Conf2012/Paper-ISM_IAEA_2012_Conf_v1.pdf

³³⁹https://www.efda-itm.eu/ITM/imports/ism/public/Conference_Proceedings/Conf2013/Baiocchi_eps.pdf

³⁴⁰https://www.efda-itm.eu/ITM/imports/ism/public/Conference_Proceedings/Conf2013/Figueiredo_EPS2013.pdf

³⁴¹https://www.efda-itm.eu/ITM/imports/ism/public/Conference_Proceedings/Conf2013/Integrated_modelling_ELM_mitigation.pdf

- *Current profile modelling in JET and JT-60U identity experiments (EPS)* ([pdf](#)³⁴²), by P.Siren
-

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4.3 External meetings

4.3.1 2011

- *ITER SCENARIO MODELLING activities within ITM-TF (IOS-ITPA)* ([pdf](#)³⁴³), by X.Litaudon
- *The sustainment of hybrid scenarios on JET and its possible extrapolation to ITER (IOS-ITPA)* ([pdf](#)³⁴⁴), by J.Garcia
- *ISM modelling activity on current ramp up (TC-ITPA)* ([pdf](#)³⁴⁵), by I.Voitsekhovitch

4.3.2 2012

- *MODELLING of JET HYBRID SCENARIOS (IOS-ITPA)* ([pdf](#)³⁴⁶), by I.Voitsekhovitch
 - *Modelling of ELM mitigation at JET (25th Conference on Plasma Physics and Technology , Prague, Czech Republic)* ([ppt](#)³⁴⁷), by F.Koechl
-

last update: 2013-06-27 by dpc

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5 Private ISM pages

To access the [private ISM pages](#)³⁴⁸, an ISM password is needed.

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³⁴²https://www.efda-itm.eu/ITM/imports/ism/public/Conference_Proceedings/Conf2013/Integrated_modelling_ELM_mitigation.pdf

³⁴³https://www.efda-itm.eu/ITM/imports/ism/public/External_meetings/meetings_2011/Litaudon_ITPA_IOS.pdf

³⁴⁴https://www.efda-itm.eu/ITM/imports/ism/public/External_meetings/meetings_2011/Garcia_ITPA_IOS.pdf

³⁴⁵https://www.efda-itm.eu/ITM/imports/ism/public/External_meetings/meetings_2011/Voitsekhovitch_ISM_TC_ITPA_April2011.pdf

³⁴⁶https://www.efda-itm.eu/ITM/imports/ism/public/External_meetings/meetings_2012/Voitsekhovitch_IOS_ITPA_04_2012.pdf

³⁴⁷https://www.efda-itm.eu/ITM/imports/ism/public/External_meetings/meetings_2012/Koechl_modelling_elm_mitigation_at_jet.ppt

³⁴⁸<https://www.efda-itm.eu/ISM/html/index.html>