

ISM meeting June 26 2013



EFDA

EUROPEAN FUSION DEVELOPMENT AGREEMENT

Task Force
INTEGRATED TOKAMAK MODELLING

INTEGRATED SCENARIO MODELLING: ISM news and coming events

I. VOITSEKHOVITCH and J. GARCIA

TF Leader : G. Falchetto
Deputies: R. Coelho, D. Coster
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Agenda

- 1. I. Voitsekhovitch and J. Garcia “ISM news and coming events”**
- 2. A.C.A. Figueiredo “Modelling of JET hybrid scenarios with the European Transport Solver” (EPS 2013)**
- 3. B. Baiocchi “Turbulent transport analysis of JET H-mode and hybrid plasmas using QuaLiKiz, TGLF and GLF23” (EPS 2013)**
- 4. F. Koechl “Integrated core+edge+MHD modelling of ELM mitigation at JET”**
- 5. P. Siren “Current profile modelling in JET and JT-60U identity plasma experiments”**

ISM working sessions

- **1st ISM working session will take place 11-15 March at EFDA-Garching (joint with ITM CC)**
- **2nd working session: 3-7 June, Cadarache, joint ISM - IO meeting on integrated modelling**
- **3rd working session: October-November 2013
JET**

JET modelling meetings:

Edge modelling: October 18 - November 8

Core modelling: during this period, likely October 28 – November 8

Doodle for ISM WS: October 21-25, November 11 – 15?

ITM Code Camps

- **March 4 – 15, IPP-Garching (2nd week is joint with ISM WS)**
- **April 15 – 26, CIEMAT, Madrid**
- **July 8 – 19 (after EPS), Helsinki**
- **September 9 – 20, Ljubljana**
- **November 18-29, Lisbon**

Code camp July 8 – 19 2013 issues to address

- **Test of BBNBI and GRAY in ETS**
- **Quasi-neutrality in ETS when impurity and main ion transport equations are used**
- **Neoclassical transport for impurity (in preparation for September CC)**
- **Modelling of soft X-ray data (different charge states) (in preparation for September CC)**
- **Other issues?**

Provisional dates for ISM remote meetings in 2013

**Regular remote meeting on Wednesday morning
10h30-12h00 EU time (09h30-11h00 UK time)**

- **26 June (EPS rehearsals)**
- **Summer break: EPS, Code Camp, vacations ...**
- **4 September (rehearsal for 14th Int. Workshop on Plasma Edge Theory in Fusion Devices, 23-25 September 2013, ISM-ACT1 preparation to 4th CC, ...)**
- **25 September (rehearsal for 14th Int. Workshop on H-mode Physics and Transport Barriers, 2-4 October 2013)**

Conferences/meetings:

- **40th EPS conference on Plasma Physics, July 1-5 2013, Espoo, Finland**

- **14th International Workshop on Plasma Edge Theory in Fusion Devices, Cracow, Poland, 23-25 September 2013**
I. Ivanova-Stanik, F. Köchl et al, Integrated core-SOL simulations of ITER H-mode scenario: effect of pedestal density on fusion performance and divertor loads

- **14th International Workshop on H-mode Physics and Transport Barriers, Fukuoka, Japan , 2-4 October 2013.**
Abstract deadline: 16th June 2013
 - **Dick Hogeweij et al Modelling of current ramp up / down**
 - **Jeronimo Garcia et al Comparison of JET/JT60U shots**