

第16回 ITPA (SOL/DIV) の概要

上田良夫(大阪大学)

平成24年度 ダイバータおよびPWI合同研究会

平成24年度第1回プラズマ物理クラスター・スクレイプオフ層と
ダイバータ物理サブクラスター会合(世話人:大野、朝倉)

平成24年度第2回炉工学クラスター・ブランケットサブクラスター会合(世話人:小西、秋場)

平成24年度筑波大学プラズマ研究センターシンポジウム(世話人:市村)

平成24年度双方向型共同研究「ガンマ10装置における炉壁材料の損耗・再堆積の研究と
そのダイバータ開発戦略における位置づけ」会合(研究代表者:上田)

平成24年7月23日~7月24日 筑波大学

会合概要

□ 日程

- 2012年 1月16日(月)-19日(木)

□ 開催地

- FZJ (Jülich, Germany)

□ 参加者数: 52名(63名) 括弧内は前回の参加者数

- 日本からの参加者(敬称略): 芦川(NIFS)、朝倉、仲野(JAEA)、上田(阪大)、吉田(九大)

□ 次回の予定: 17th DivSOL ITPA meeting

- Date : October 15 – 17 (2012)
- Location : San Diego (USA)
- Host : UCSD
- Planned Agenda: Retention & migration (1day)
Heat flux (1 day) : maybe joint session
Tungsten R&D (1 day)

16th ITPA (DIV/SOL) agenda

January 16 (Mon)

Update on ITER / JET	S. Brezinsek	First results of JET ILW
Fuel retention		Chair K. Schmid
	E. Tsitrone	Closing the particle balance in Tore Supra
	T. Leonard	Fuel retention in DIID
	G. Luo	Fuel retention in EAST and HT7
	M Yoshida	Evaluation of fuel retention in a full-carbon machine, based on JT-60U post mortem analysis
	V. Philipps	First results on fuel retention in JET ILW
	T. Schwarz-Selinger	Recent results on isotope exchange in Tungsten and beryllium
	E. Tsitrone	Multi machine fuel retention : what is the best scaling ?
Be migration		Chair V. Philipps
	K. Krieger	First results on Be migration with JET ILW
	R. Doerner	Relation between net and gross erosion in PISCES
Migration experiments and modeling		Chair K. Krieger
	R. Pitts	Plan for the MAPES experiment in EAST
	F. Ding	Preliminary results of marker experiments in last EAST campaign and MAPES proposal
	A. Litnovsky	Status of modeling of material migration in ITER like gaps

January 17 (Tue)

W migration : experiments and modeling		Chair A. Kallenbach
	R. Neu	Relation of JET W sources and core concentrations
	S. Brezinsek	Update of WI/WII atomic data and first results of W modelling with ERO
	R. Zagorski	Corediv modeling of W concentrations in AUG N seeded discharges
	V. Kotov	W first wall sputtering in ITER due to fast neutrals by EIRENE calculations
Follow up on SOL width		Chair R. Pitts
	T Eich	EU effort
	T Leonard	US effort
	B. Lipschultz	Comparison of Eich to US model fits of heat load footprints
	A. Kukushkin	Consequences of short SOL widths for ITER divertor power handling
	J. Gunn	Follow up on Tore Supra start up experiments
	G. Matthews	JET start up experiments
Disruptions		Chair R. Pitts
	T. Leonard	VDE on DIID
	B. Lipschultz	Non-mitigated VDE divertor heat loads on CMod
	M. Lehnen	Preliminary results on VDE in JET
	M. Lehnen	Recent results from TEXTOR
	C. Grisolia	The FIRE experiment on TS
	W. Fundamenski	MGI in MAST
	M. Lehnen	Radiation asymmetries during MGI : status (joint MHD-DivSOL)

January 18 (Wed)-19 (Thu)

Update on ITER / JET		Chair -E. Tsitrone
	R. Pitts	ITER divertor strategy
Tungsten melting experiments		Chair A. Kallenbach
	J. Coenen	W melt experiments in AUG and Textor
	B. Lipschultz	C-mod results on W melting
	B. Basylev	Modeling of W melting experiments and extrapolation for ITER
Tungsten fuzz		Chair Y. Ueda
	G Wright	W fuzz in Alcator C-Mod and comparison of the role of He with linear devices
	G de Temmerman	Behavior of a helium-modified (fuzzy) surface during transients
Tungsten HHF testing		Chair Y. Ueda
	H. Greuner	Damage studies on different W grades with GLADIS
	E. Tsitrone	HHF testing of ITER components
	G de Temmerman	Tungsten damage under simultaneous steady-state and transient loads
	J. Linke	Damage threshold for W under ELM-like thermal loads
Dust monitoring in tokamaks		Chair - N. Ashikawa
	C. Grisolia	Dust monitoring in TS
	SH Hong	Statistics on dust in KSTAR
	G. Luo	Dust research in HT-7 and EAST
	M. Balden	Evaluation of the dust monitor build in LHD / qualification of the F4E capacitive dust monitor for the operation in ASDEX Upgrade / IAEA CRP on dust