

SWIM Workshop (Sept 2007)– Agenda

Session Monday 10/15	Time	Speaker	Title	
	9:00	Batchelor	Project status, project and workshop goals	
Fast MHD Physics accomplishments and targets		Jardin (org)		
	9:30	Bonoli	C-Mod current rampup with RF	
	10:00	Harvey	Runaway electrons during ITER startup/shutdown	
	10:30	Ku	Comprehensive ITER approach to burn	
	10:30	Break		
	10:50	Chance	Linear stability component demo	
	11:10	Berry	Distribution functions for MHD, Nova-K in particular	
	11:30	Jardin	Discussion: physics accomplishments and targets	
	12:00	Lunch		
	IPS issues and development		Batchelor (org)	
1:00		Chang	Brief CPES overview and possible interactions with SIWM	
1:30		Elwasif	Tutorial on framework, drivers, component concept, configuration	
2:00		Batchelor	Cleanup of IPS – useability, documentation, build system, ...	
Component status		2:30	Bramley	Monitoring component
		2:45	McCune	Parallel neutral beam component
		3:00	Break	
		3:15	Berry/Harvey	Fokker-Planck component
		3:30	Bonoli/Wright	RF component

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Reception 7:00 **Batchelor's house**

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Tuesday 10/16

Slow MHD		Kruger (org)	
	9:00	Ramos	
	9:30	Kruger	Theory of including RF sources in extended MHD Possible numerical solutions of RF-extended MHD equations
	9:50	Jenkins	Progress on NIMROD solutions of cases with simple sources
	10:10	Break	
	10:30	Kruger	Discussion of Slow MHD
Plasma State		McCune/Bernholdt (org)	
	11:15		Near-term extensions/modifications to PS Relation to European UAL/schema/CPO Machine description file (with or without xml) Long-term vision for Slow MHD data communication Need for 3D data Fast/Slow campaigns
	12:15	Lunch	
Plasma state cont.	1:00		
Framework evolution and MPP computer issues		Bramley/Bernholdt (org)	
	1:30	Bramley/Schissel	Plenary discussion Portal development and job monitoring
	2:00	Khuen	Porting BHSsolver to Jaguar
	2:30	Lynch	The evolving environment at NCCS
	2:40	???	Evolving the framework – tighter coupling, possible use of CCA, Kepler
	3:10	Break	

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Dashboard/portal/monitoring
Data model
Exploration of Kepler
High-performance Infrastructure

Parallel session
C 3:30 TBD

Further discussion of other tabled issues

5:30 **Adjourn**

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Wednesday 10/17

	9:00		Compile set of specific simulation targets and development requirements
Task lists	9:30	Jardin	Physics issues and tasks
	10:00	Bernholdt	CS issues and tasks
	10:15	Break	
FY07 goals work plan schedule	10:30	Batchelor	Draft of FY08 goals and deliverables (specifics for PSACI PAC meeting)
	11:00	All	Informal presentation of individual's work plans
	12:00	Adjourn	