

Workshop: Toward an Integrated Fusion Simulation – Agenda

Session	Time	Speaker	Title	
Monday 9/25				
	9:00 AM	Batchelor	Project status, project and workshop goals	
Physics status, math and algorithmic issues	9:30 AM	Berry	RF component	
	9:50 AM	Harvey/McCune	Fokker Planck solver – continuum and Monte Carlo	
	10:10 AM	Jardin	Equilibrium codes and solvers	
	10:30 AM	Break		
	10:50 AM	Houlberg	Neoclassical effects and NCLASS in IPS	
	11:20 AM	Kruger/Chance	Linear MHD Stability	
	11:40 AM	Bateman	Anomalous transport models	
	12:00	Lunch		
	CS Status (part I)	1:15	Bernholdt	SVN Repository (& Plone site?)
		1:45	Bramley	Codes, components, scripts and how they interoperate
2:30		McCune	Plasma State component, XPLASMA II	
3:15		Break		
3:30		Carey	The FACETS project	
4:15		Batchelor	Update on IPS design and IPS workflow	
5:00			General discussion	
	5:30	Adjourn		

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Tuesday 9/26

CS Status (part II)	9:00	Berry Bramley Ma	RF component implementation Data transfers for inter component communication SWIM utilities and aids (build systems, data management ...)
	10:30	Break	
Slow MHD campaign and NTM roadmap	11:00	Kruger	Possible contributions from Schnack, Hegna, Spong, Ramos
	12:15	Lunch	
Progress on Component scripts and codes	1:00	Batchelor	Objectives for this session
	1:05	Jardin	Profile advance/transport coeff/equilibrium
	1:25	Houlberg	Gas fueling
	1:35	McCune	Energetic particle source
	1:45	Berry	Fokker Planck solution
	2:00	Houlberg	NCLASS component
	2:10	Kruger	MHD
	2:20	Bateman	Reduced sawtooth models
	2:30	Jardin	Waveform, feedback, and physics discrete events
3:00	Break		
Unresolved simulator issues	3:20	Bramley	Objectives of the session
	3:25	Elwasif	Short term issues
	4:15	Break	
	4:30	Kohl	mid to long term issues
	5:30	Adjourn	

Wednesday 9/27

Task lists	9:00	?	Develop set of specific simulation targets
	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 FY07 goals and deliverables (specifics for PSACI PAC meeting)
	11:00	All	Informal presentation of individual's work plans
	12:00	Adjourn	