

2006 US/Japan Workshop on Compact Torus Plasmas
 The Role of Flow in Compact Torus Plasmas
 Swarthmore College
 November 2-4, 2006

Thursday, November 2

6:15 PM Reception, Foyer Cunniff Lecture Hall

7:00 PM Cunniff Lecture Hall, Science Center 199, Swarthmore College
 Symposium, "US/Japan Cooperation in Fusion Energy Research"
 Prof. Y. Ono (Tokyo), Prof. L. Steinhauer (Washington)

Friday, November 3

10 AM-12 noon, Poster session, Science Center Commons, refreshments served
 1 PM Oral sessions (Flow), Science Center 128, M. Nagata presiding

Time	Name	Affiliation	Short Title
1:00 PM	U. Shumlak	Washington	Plasma flow in ZaP
1:20 PM	C. Romero	LLNL	Plasma flow in SSPX
1:40 PM	D. Ryutov	LLNL	Plasma rotation theory for SSPX
2:00 PM	E. Kawamori	Tokyo	FRCs by flux injection in TS-4
2:20 PM	P. Bellan	Caltech	MHD flow in Caltech experiment
2:40 PM	L. Steinhauer	Washington	Two-fluid flow equilibria
3:00 PM	Break		Discussions

M. Brown presiding

Time	Name	Affiliation	Short Title
3:20 PM	M. Nagata	Hyogo	CT injection in HIST
3:40 PM	X. Tang	LANL	Spheromak by flux amplification
4:00 PM	T. Takahashi	Nihon	Particle injection in NUCTE FRC
4:20 PM	R. Milroy	Washington	FRC NIMROD simulations
4:40 PM	T. Intrator	LANL	High pressure FRCs
5:00 PM	Z. Wang	LANL	CTs with Alfvénic flow
5:20 PM	Discussions		

Depart for 5:54 PM train

7:00 PM Banquet, Maggiano's Restaurant, 1201 Filbert St., Philadelphia

Saturday, November 4

9 AM short talks, diagnostics and techniques, Science Center 128, breakfast

Time	Name	Affiliation	Short Title
9:00 AM	M. Brown	Swarthmore	Introduction and IDS flow in SSX
9:10 AM	D. Kumar	Caltech	HeNe interferometer
9:20 AM	Y. Matsuzawa	Nihon	Optical diagnostic on FRC
9:30 AM	A. Moser	Caltech	Images of plasma collisions
9:40 AM	R. G. O'Neill	Washington	HIT-SI current drive
9:50 AM	E. Stenson	Caltech	Flow visualization in plasma arches
10:00 AM	T. Sumikawa	Tokyo	PPCD in compact RFP
10:10 AM	G. Yun	Caltech	Colliding plasma jets
10:20 AM	Break		Discussions

10:45 AM Oral sessions, Science Center 128

Time	Name	Affiliation	Short Title
10:45 AM	K. Miller	Washington	TCS FRC upgrade
11:05 AM	S. Gerhardt	PPPL	Oblate FRCs in MRX
11:25 AM	S. You	Caltech	Sausage instability in spheromak
11:45 AM	A. Redd	Washington	Current drive in HIT-SI
12:05 PM	P. Sieck	Washington	Magnetic relaxation in HIT-SI

12:25 PM Closing discussions

Trip to Independence Hall, Philadelphia

Recommended SEPTA R3 trains

Date	Train #	Departs	Route	Arrives
Th Nov 2	9365	5:17 PM	Market East-Swarthmore	5:45 PM
Th Nov 2	396	10:15 PM	Swarthmore-Market East	10:51 PM
Fri Nov 3	329	9:17 AM	Market East-Swarthmore	9:51 AM
Fri Nov 3	386	5:54 PM	Swarthmore-Market East	6:33 PM
Sat Nov 4	8305	8:17 AM	Market East-Swarthmore	8:45 AM
Sat Nov 4	8316	1:31 PM	Swarthmore-Market East	2:02 PM