

Agenda for 17th Transport and Confinement Topical Group Meeting Naka Fusion Institute, Japan: 24-26 October 2016

Naka Fusion Institute, Japan
More details on website

<http://www-jt60.naka.qst.go.jp/itpa-16-naka/index.html>

Remote participation details for all 3 days

Videoconference: EFDATV channel 3

Presentations: <https://tv.euro-fusion.org/channel3/home>

Video-conference nr. (H.323): 004910097920063

ISDN: +49-30-2541080 (ConferenceID = 97920063)

Bus from bridge near MITO station to Naka at 8:00 AM

Monday 24 October 2016

Start	Duration	Speaker	Topic/title
			Joint Opening Multipurpose hall
09:00	00:30	S.Ishida, Y.Kamada	Welcome, Introduction of JT-60SA
			Opening T&C Large Conference Room JT-60 Control Bldg
09:50	00:10	P.Mantica	Introduction to the meeting
			Update on ITER database revision (TC-28) Chair S.Kaye Large Conference Room JT-60 Control Bldg
10:00	00:20	S.Kaye (remote)	General progress in the activity
10:20	00:15	C.Angioni	AUG
10:35	00:30		Coffee and selling of lunch tickets
11:05	00:15	M.Romanelli/M.Ma slov	JET
11:20	00:15		other devices participating to the activity?
11:35	00:20		Discussion
11:55	01:05		Tour of JT-60SA torus hall and peripheral rooms 2 groups
13:00	01:00		Lunch (Although it is possible to stay in the cafeteria after lunch, the trays need to be returned by 14:00)
			Edge shortfall Chair G.Staebler Large Conference Room JT-60 Control Bldg
14:00	00:20	C.Holland	Investigation of shortfall issue using the new CGYRO code
14:20	00:20	G.Staebler	Validating the multi-scale contribution to the L-mode shortfall problem
14:40	00:20	E.Fable (remote)	Comparison of TGLF vs TGLFM for AUG current ramp scenarios
15:00	00:20	G.McKee	Turbulence and Transport Evolution During the Current Ramp
15:20	00:20	M.Honda	Global transport simulations of electron and ion heat transport in ITG/TEM unstable plasmas using TRESS+GKV code
15:40	00:20		Discussion
16:00	00:20		Coffee
			Progress on intrinsic rotation database (TC-9) Chair J.Rice Large Conference Room JT-60 Control Bldg
16:20	00:20	B.Duval	general overview of progress in data input to DB
16:40	00:15	J.Bernardo	JET
16:55	00:15	Y.-S.Na	KSTAR
17:10	00:15	J.Rice	C-MOD
17:25	00:15	Y.Idomura	Full-f gyrokinetic simulations on rotation changes induced by electron heating modulation
17:40	00:15	Sehoon Ko	Characteristics of toroidal rotation and ion temperature pedestals between ELM bursts in KSTAR H-mode plasmas
17:55	00:15		Discussion
18:10			Adjourn

18:15 Bus to hotels

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Tuesday 25 October 2016

Start	Duration	Speaker	Topic/title
			Stiffness/Threshold (TC-13) Chair P.Mantica Conference Room 3, Administration Bldg.
09:00	00:20	P.Mantica	Ion destiffening at JET with ICRH only and low rotation. Tests of TGLF and QLK against JET ion stiffness experiments.
09:20	00:20	C.Holland	Comparison of GYRO and TGLF predictions to experiment for a DIII-D H-mode stiffness study
09:40	00:20	N.Bonanomi/P.Mantica	Role of ETGs and multiscale interactions in JET plasmas
10:00	00:20	M.Nunami	Validation of turbulence simulation and evaluation of temperature gradient
10:20	00:20	Y.Liu	Preliminary results of ECRH power modulation experiment on EAST
10:40	00:20		Discussion
11:00	00:30		Coffee and group photo
			I-mode joint with PEP Chair J.Rice/A.Hubbard Conference Room 3, Administration Bldg.
11:30	00:20	J.Hughes	Summary of PEP-31
11:50	00:20	J.Rice	Summary of TC-19
12:10	00:20	A.Hubbard	Discussion on how to build an I-mode confinement database
12:30	00:20		Discussion
12:50	01:25		Lunch (Although it is possible to stay in the cafeteria after lunch, the trays need to be returned by 14:00)
14:00	00:15	M.Schneider	Using IMAS for benchmarking transport models
			JOINT SESSIONS WITH IOS Conference Room 3, Administration Bldg.
			Particle transport
14:15	00:15	T.Luce/P.Mantica	Introduction
14:30	00:25	C.Angioni	Validation of particle transport models
14:55	00:15	Y.S.Na	Validation of particle transport codes
15:10	00:20		Discussion
			Neural nets for core transport
15:30	00:15	J.Citrin	Status and future plans for neural network emulation of quasilinear turbulent transport models
15:45	00:15	O.Meneghini	Self-consistent core-pedestal coupled transport simulations with neural network TGLF-NN and EPED1-NN models
16:00	00:15		Discussion
16:15	00:30		Coffee
			Transport in the current rise
16:45	00:15	J.M.Park/G.Staeble	Validation of the TGLF-SAT1 model on the DIII-D ITER-like current ramp data
17:00	00:15	E.Fable (remote)	Validation of transport models on AUG current ramp scenarios
17:15	00:15		Discussion
			Discussion on isotope effect in core transport
17:30	00:15	J.Garcia	Non-linear gyrokinetic analysis of the isotope effect
17:45	00:15		Discussion
18:00			Adjourn

18:15 Bus to hotels

19:00 Social Dinner

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Wednesday 26 October 2016

Start	Duration	Speaker	Topic/title
			UPDATE on all JEXs and DISCUSSION Chair P.Mantica Large Conference Room JT-60 Control Bldg
09:00	00:30	C.Angioni	TC-11
09:30	00:25	T.Tala	TC-15+TC-17
09:55	00:15	B.Grierson	DIII-D contribution to TC-17
10:10	00:30	M.Valovic	TC-25: Pellet refuelling with RMPs in AUG
10:40	00:30		Coffee
11:10	00:40	T.Evans/M.Jakubov	Update on TC-24 activities connected with 3D transport and confinement
11:50	00:30	S.Mordijck	TC-27
12:20	00:10	J.Rice	TC-21
12:30	00:20	Y.Shi	Intrinsic rotation, Non-local transport, and turbulence transitions in KSTAR plasmas
12:50	01:10		Lunch (Although it is possible to stay in the cafeteria after lunch, the trays need to be returned by 14:00)
			Preparation of next meetings Chair A.Loarte Large Conference Room JT-60 Control Bldg
14:00	00:15	A. Loarte	ITER priorities for T&C
14:15	00:20	A.Hubbard	Summary of outcome of discussions on I-mode confinement database
14:35	00:20	B.Baiocchi/P.Mantica	Modelling ne evolution after pellet injection in ITER with different transport models
14:55	00:30	E.Delabie (remote)	Update on TC-26: L-H threshold scaling law for metal wall machines
15:25	00:30		Coffee
			Closing session.
15:55	01:00	Session Chairs	Conclusions out of sessions and lists of actions
16:55	00:05	P.Mantica	Final remarks
17:00			Adjourn

17:15 Bus to hotels