

MST1-TCV 2015-2016 TIMELINE

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	Calendar week 39: Monday 21 Sept. to Friday 25 Sept. 2015	8
AUG15-cont	Contingency	8
	Calendar week 40: Monday 28 Sept. to Friday 2 Oct. 2015	24
AUG15-2.3-1	Power loading on first wall due to ELMs (1/2)	10
AUG15-2.1-3	Detachment studies (1/2)	8
AUG15-cont	Contingency	6
European Fusion Theory Conference	Calendar week 41: Monday 5 Oct. to Friday 9 Oct. 2015	25
AUG15-2.1-1	High Psep/R studies with mixed impurities (2/4)	8
AUG15-1.3-5	Runaway electrons: scenario, physics and mitigation via massive gas injection (1/2)	9
AUG15-1.1-2	Seeding and fuelling; effect on energy confinement and power degradation (2/4)	8
AUG15-cont	Contingency	0
ITPA IOS	Calendar week 42: Monday 12 Oct. to Friday 16 Oct. 2015 <u>Boronisation 12 Oct. 2015</u>	24
AUG15-1.4-1	Plasma response to error fields at high beta and low-rotation (2/2)	8
AUG15-1.7-3	Redistribution of fast ions during sawteeth (1/2)	6
AUG15-cont	Contingency	10
	Calendar week 43: Monday 19 Oct. to Friday 23 Oct. 2015	16
AUG15-1.5-1	Mitigation of central tungsten accumulation through combined central ECRH and tailoring of MHD activity in high performance H-modes (1/2)	5
AUG15-1.3-1	Disruption mitigation via Massive Gas Injection (2/2)	8
AUG15-cont	Contingency	3

	Calendar week 41: Monday 5 Oct. to Friday 9 Oct. 2015	55
TCV15-1.4-2	Towards NTM control integration (1/2)	12
TCV15-1.4-4	Advanced NTM physics (1/2)	8
TCV15-1.4-5	Advanced sawtooth physics (1/2)	9
TCV15-1.5-2	Effect of the poloidal asymmetries on impurity transport (1/1)	15
TCV15-cont	Contingency	11
ITPA IOS	Calendar week 42: Monday 12 Oct. to Friday 16 Oct. 2015	57
TCV15-2.4-3	Characterisation of advanced divertor configurations (1/5)	15
TCV15-2.2-3	Filamentary transport in the SOL (1/4)	10
TCV15-2.3-1	Power loading on first wall due to ELMs (1/4)	10
TCV15-2.1-3	Detachment studies (1/4)	10
TCV15-cont	Contingency	12
	Calendar week 43: Monday 19 Oct. to Friday 23 Oct. 2015	60
TCV15-2.1-4	Divertor power load studies in single null configuration (1/3)	5
TCV15-2.4-3	Characterisation of advanced divertor configurations (2/5)	15
TCV15-2.4-2	SOL transport in snowflake configuration (1/4)	10
TCV15-2.1-3	Detachment studies (2/4)	10
TCV15-2.3-1	Power loading on first wall due to ELMs (2/4)	10
TCV15-cont	Contingency	10

	Calendar week 44: Monday 26 Oct. to Friday 30 Oct. 2015	24
AUG15-2.3-1	Power loading on first wall due to ELMs (2/2)	10
AUG15-1.3-3	Disruption avoidance using ECCD in high beta conditions (1/2)	9
AUG15-cont	Contingency	5
	Calendar week 45: Monday 2 Nov. to Friday 6 Nov. 2015 <u>Boronisation 2 Nov. 2015 and reduced V2 week</u>	24
AUG15-1.1-1	ITER baseline confinement and development of alternative scenarios (2/3)	10
AUG15-1.2-3	Operation close to the density limit with high confinement and tolerable ELMs (2/3)	8
AUG15-cont	Contingency	6
AUG seminar	Calendar week 46: Monday 9 Nov. to Friday 13 Nov. 2015	16
AUG15-2.2-1	Power handling on castellated divertor (1/2)	16
	Calendar week 47: Monday 16 Nov. to Friday 20 Nov. 2015	24
AUG15-1.4-2	Towards NTM control integration (2/2)	6
AUG15-1.3-2	Disruption avoidance via applied magnetic perturbation (1/2)	6
AUG15-1.4-3	Interaction between resonant magnetic perturbations and NTM stability (1/2)	5
AUG15-1.1-4	The impact of helium ash on plasma confinement (1/2)	7

	Calendar week 44: Monday 26 Oct. to Friday 30 Oct. 2015	0
	No operation	
	Calendar week 45: Monday 2 Nov. to Friday 6 Nov. 2015	59
TCV15-1.2-2	ELM mitigation using edge ECRH (1/3)	8
TCV15-1.3-5	Runaway Electrons: scenario, physics and mitigation via MGI (1/4)	13
TCV15-1.5-1	Mitigation of High Z impurity accumulation through combined central ECRH and tailoring of MHD activity in high performance H-modes (1/1)	15
TCV15-2.1-4	Divertor power load studies in single null configuration (2/3)	10
TCV15-cont	Contingency	13
	Calendar week 46: Monday 9 Nov. to Friday 13 Nov. 2015	57
TCV15-2.4-2	SOL transport in snowflake configuration (2/4)	10
TCV15-1.3-6	Runaway Electrons: decorrelation via applied magnetic perturbation (1/2)	6
TCV15-1.2-2	ELM mitigation using edge ECRH (2/3)	9
TCV15-1.3-5	Runaway Electrons: scenario, physics and mitigation via MGI (2/4)	13
TCV15-2.4-1	Detachment optimisation in snowflake configuration (1/4)	6
TCV15-cont	Contingency	13
	Calendar week 47: Monday 16 Nov. to Friday 20 Nov. 2015	58
TCV15-2.4-1	Detachment optimisation in snowflake configuration (2/4)	7
TCV15-2.2-3	Filamentary transport in the SOL (2/4)	10
TCV15-2.2-4	SOL power width in limiter configurations (1/2)	10
TCV15-1.3-5	Runaway Electrons: scenario, physics and mitigation via MGI (3/4)	13
TCV15-1.2-3	Operation close to the density limit with high confinement and tolerable ELMs (1/2)	5
TCV15-cont	Contingency	13

	Calendar week 48: Monday 23 Nov. to Friday 27 Nov. 2015 <u>Boronisation 30 Nov. 2015</u>	16
AUG15-1.7-3	Redistribution of fast ions during sawteeth (2/2)	6
AUG15-1.7-5	Quantification of the slowing down and confinement of energetic helium injected with helium beams (1/1)	8
AUG15-cont	Contingency	2
	Calendar week 49: Monday 30 Nov. to Friday 4 Dec. 2015 <u>He plasmas</u>	24
AUG15-He-6	Tunsten fuzz and power load studies in Helium (1/1)	16
AUG15-He-1	Establish low ELM frequency scenario in Helium (1/2)	8
	Calendar week 50: Monday 7 Dec. to Friday 11 Dec. 2015 <u>He plasmas</u>	24
AUG15-He-1	Establish low ELM frequency scenario in Helium (2/2)	8
AUG15-He-2	ELM mitigation experiment in Helium (1/1)	16
	Calendar week 51: Monday 14 Dec. to Friday 18 Dec. 2015 <i>He plasmas</i>	32
AUG15-He-3	ITER baseline scenario in Helium (1/1)	8
AUG15-He-4	Tunsten transport in Helium (1/1)	4
AUG15-He-5	Disruption mitigation in Helium (1/1)	4
AUG15-He-7	Pedestal seeding studies in Helium (1/1)	4
AUG15-He-8	Optimised divertor pumping in Helium (1/1)	4
AUG15-He-9	Detachment studies in Helium (1/1)	8
	Calendar week 52: Monday 21 Dec. to Friday 25 Dec. 2015	0
	Christmas break - no operation	

	Calendar week 48: Monday 23 Nov. to Friday 27 Nov. 2015	0
	No operation	
	Calendar week 49: Monday 30 Nov. to Friday 4 Dec. 2015 <u>He plasmas</u>	58
TCV15-1.3-5	Runaway Electrons: scenario, physics and mitigation via MGI (4/4)	13
TCV15-1.8-1	Integrated control of multiple discharge parameters (1/3)	13
TCV15-1.3-6	Runaway Electrons: decorrelation via applied magnetic perturbation (2/2)	7
TCV15-2.4-2	SOL transport in snowflake configuration (3/4)	10
TCV15-cont	Contingency	15
	Calendar week 50: Monday 7 Dec. to Friday 11 Dec. 2015 <u>He plasmas + switchover to D2</u>	61
TCV15-He-11	Divertor power load studies in single null configuration and in Helium (1/1)	10
TCV15-He-12	SOL filamentary transport in Helium (1/1)	10
TCV15-He-13	SOL power width in limiter configurations and in Helium (1/2)	10
TCV15-He-14	ECRH wall conditioning in Helium (1/2)	15
TCV15-He-10	MHD control in Helium (1/2)	7
TCV15-cont	Contingency	9
	Calendar week 51: Monday 14 Dec. to Friday 18 Dec. 2015	60
TCV15-He-14	ECRH wall conditioning in Helium (2/2)	15
TCV15-He-10	MHD control in Helium (2/2)	13
TCV15-He-13	SOL power width in limiter configurations and in Helium (2/2)	10
TCV15-He-15	Power width dependence on triangularity in Helium (1/1)	10
TCV15-cont	Contingency	12
	Calendar week 52: Monday 21 Dec. to Friday 25 Dec. 2015	0
	Christmas break - no operation	

	Calendar week 53: Monday 28 Dec. to Friday 1 Jan. 2016	0
	Christmas break - no operation	
	Calendar week 1: Monday 4 Jan. to Friday 8 Jan. 2016	0
	Christmas break - no operation	
	Calendar week 2: Monday 11 Jan. to Friday 15 Jan. 2016 Boronisation 11 Jan. 2016 (maybe reduced V2)	24
AUG15-1.1-8	Documentation of the effect of sawteeth on the core momentum and particle transport (1/2)	7
AUG15-1.1-9	ρ^* scaling of intrinsic torque between JET and AUG (1/2)	5
AUG15-1.2-1	ELM mitigation using magnetic perturbations at low collisionality (3/3)	12
	Calendar week 3: Monday 18 Jan. to Friday 22 Jan. 2016	17
AUG15-1.1-4	The impact of helium ash on plasma confinement (2/2)	7
AUG15-2.2-2	Nitrogen migration and implantation in first wall (2/1)	8
AUG16-cont	Contingency	2
	Calendar week 4: Monday 25 Jan. to Friday 29 Jan. 2016	28
AUG15-2.1-2	Radiation in 3D SOL (1/2)	8
AUG15-1.5-3	ICRF-related modifications of SOL density, ion energy and particle transport (1/1)	10
AUG15-1.3-3	Disruption avoidance using ECCD in high beta conditions (2/2)	10
	Calendar week 5: Monday 1 Feb. to Friday 5 Feb. 2016	27
AUG15-1.3-4	Disruption avoidance using the transport simulator RAPTOR (1/1)	3
AUG15-1.1-2	Seeding and fuelling; effect on energy confinement and power degradation (3/4)	8
AUG15-2.1-1	High Psep/R studies with mixed impurities (3/4)	8
AUG15-2.1-3	Detachment studies (2/2)	8

	Calendar week 53: Monday 28 Dec. to Friday 1 Jan. 2016	0
	Christmas break - no operation	
	Calendar week 1: Monday 4 Jan. to Friday 8 Jan. 2016	0
	no MST1 program	
	Calendar week 2: Monday 11 Jan. to Friday 15 Jan. 2016	0
	no MST1 program	
	Calendar week 3: Monday 18 Jan. to Friday 22 Jan. 2016	0
	no MST1 program	
	Calendar week 4: Monday 25 Jan. to Friday 29 Jan. 2016	56
TCV15-1.4-4	Advanced NTM physics (2/2)	8
TCV15-1.4-5	Advanced sawtooth physics (2/2)	9
TCV15-1.1-5	Pedestal: avoiding the ballooning boundary (1/3)	8
TCV15-1.1-1	ITER baseline confinement and development of alternative scenarios (1/2)	10
TCV15-1.7-4	Role of 3D EM/ES turbulence in fast ion confinement and Neutral Beam Current Drive in TCV (1/3)	10
TCV16-cont	Contingency	11
	Calendar week 5: Monday 1 Feb. to Friday 5 Feb. 2016	56
TCV15-1.1-1	ITER baseline confinement and development of alternative scenarios (2/2)	10
TCV15-1.7-4	Role of 3D EM/ES turbulence in fast ion confinement and Neutral Beam Current Drive in TCV (2/3)	10
TCV15-1.1-5	Pedestal: avoiding the ballooning boundary (2/3)	8
TCV15-1.4-2	Towards NTM control integration (2/2)	18
TCV16-cont	Contingency	10

	Calendar week 6: Monday 8 Feb. to Friday 12 Feb. 2016 Site closed Tuesday 9 Feb. 2016 pm	15
AUG15-1.4-3	Interaction between resonant magnetic perturbations and NTM stability (2/2)	5
AUG15-1.5-1	Mitigation of central tungsten accumulation through combined central ECRH and tailoring of MHD activity in high performance H-modes (2/2)	5
AUG16-cont	Contingency	5
	Calendar week 7: Monday 15 Feb. to Friday 19 Feb. 2016 Boronisation 19 Feb. 2016	26
AUG15-1.1-8	Documentation of the effect of sawteeth on the core momentum and particle transport (2/2)	7
AUG15-1.1-9	ρ^* scaling of intrinsic torque between JET and AUG (2/2)	5
AUG15-1.7-1	Neutral Beam Current Drive studies (1/1)	6
AUG15-1.8-1	Integrated control of multiple discharge parameters (1/3)	8
	Calendar week 8: Monday 22 Feb. to Friday 26 Feb. 2016	16
AUG15-2.2-3	Filamentary transport in the SOL (2/2)	10
AUG16-cont	Contingency	6
	Calendar week 9: Monday 29 Feb. to Friday 4 Mar. 2016	26
AUG15-2.2-5	Metallic Dust Mobilization (1/1)	11
AUG15-1.8-1	Integrated control of multiple discharge parameters (2/3)	8
AUG15-1.3-6	Runaway Electrons: decorrelation via applied magnetic perturbation (2/2)	7

	Calendar week 6: Monday 8 Feb. to Friday 12 Feb. 2016	50
TCV15-1.2-3	Operation close to the density limit with high confinement and tolerable ELMs (2/2)	15
TCV15-1.2-2	ELM mitigation using edge ECRH (3/3)	7
TCV15-1.1-2	Seeding and fuelling; effect on energy confinement and power degradation (1/2)	10
TCV15-1.1-8	Documentation of the effect of sawteeth on the core momentum and particle transport (1/3)	8
TCV16-cont	Contingency	10
	Calendar week 7: Monday 15 Feb. to Friday 19 Feb. 2016	50
TCV15-1.1-2	Seeding and fuelling; effect on energy confinement and power degradation (2/2)	10
TCV15-1.3-1	Disruption mitigation via Massive Gas Injection (1/3)	8
TCV15-2.1-3	Detachment studies (3/4)	10
TCV15-2.4-3	Characterisation of advanced divertor configurations (3/5)	10
TCV16-cont	Contingency	12
	Calendar week 8: Monday 22 Feb. to Friday 26 Feb. 2016	0
	No operation	
	Calendar week 9: Monday 29 Feb. to Friday 4 Mar. 2016	57
TCV15-1.1-8	Documentation of the effect of sawteeth on the core momentum and particle transport (2/3)	9
TCV15-1.1-5	Pedestal: avoiding the ballooning boundary (3/3)	8
TCV15-1.7-1	Neutral Beam Current Drive studies (1/1)	10
TCV15-2.4-3	Characterisation of advanced divertor configurations (4/5)	10
TCV15-1.3-1	Disruption mitigation via Massive Gas Injection (2/3)	9
TCV16-cont	Contingency	11

	Calendar week 10: Monday 7 Mar. to Friday 11 Mar. 2016 Boronisation 07 March 2016	22
AUG15-1.1-3	JET identity experiment in improved H-mode (1/2)	6
AUG15-1.7-2	Active control of Alfvén Eigenmodes using ECRH/ECCD, ICRH and RMPs (2/2)	10
AUG15-1.1-5	Pedestal: avoiding the ballooning boundary (1/1)	6
	Calendar week 11: Monday 14 Mar. to Friday 18 Mar. 2016	23
AUG15-2.1-2	Radiation in 3D SOL (2/2)	8
AUG15-1.3-2	Disruption avoidance via applied magnetic perturbation (2/2)	7
AUG16-cont	Contingency	8
	Calendar week 12: Monday 21 Mar. to Friday 25 Mar. 2016 Bank holiday Friday 25 March 2016 (Ops. Tuesday & Wednesday)	16
AUG15-1.1-2	Seeding and fuelling; effect on energy confinement and power degradation (4/4)	8
AUG15-2.1-1	High Psep/R studies with mixed impurities (4/4)	8
	Calendar week 13: Monday 28 Mar. to Friday 1 Apr. 2016 Reduced V2 week Bank holiday 28 March 2016 (Easter Monday)	16
AUG15-1.8-1	Integrated control of multiple discharge parameters (3/3)	8
AUG15-1.2-3	Operation close to the density limit with high confinement and tolerable ELMs (3/3)	6
AUG16-cont	Contingency	2

	Calendar week 10: Monday 7 Mar. to Friday 11 Mar. 2016	54
TCV15-1.1-8	Documentation of the effect of sawteeth on the core momentum and particle transport (3/3)	8
TCV15-1.8-1	Integrated control of multiple discharge parameters (2/3)	11
TCV15-1.3-1	Disruption mitigation via Massive Gas Injection (3/3)	9
TCV15-2.4-2	SOL transport in snowflake configuration (4/4)	10
TCV15-1.1-6	Pedestal: effect of triangularity on confinement (1/4)	5
TCV16-cont	Contingency	11
	Calendar week 11: Monday 14 Mar. to Friday 18 Mar. 2016	53
TCV15-1.8-1	Integrated control of multiple discharge parameters (3/3)	11
TCV15-1.4-1	Plasma response to error fields at high beta and low-rotation (1/2)	11
TCV15-1.1-6	Pedestal: effect of triangularity on confinement (2/4)	5
TCV15-1.3-4	Disruption avoidance using the transport simulator RAPTOR (1/2)	5
TCV15-2.3-1	Power loading on first wall due to ELMs (3/4)	10
TCV16-cont	Contingency	11
	Calendar week 12: Monday 21 Mar. to Friday 25 Mar. 2016 Bank Holiday Friday 25 March 2016	52
TCV15-1.1-6	Pedestal: effect of triangularity on confinement (3/4)	5
TCV15-1.3-3	Disruption avoidance using ECCD in high beta conditions (1/2)	10
TCV15-1.4-1	Plasma response to error fields at high beta and low-rotation (2/2)	11
TCV15-1.3-4	Disruption avoidance using the transport simulator RAPTOR (2/2)	5
TCV15-1.7-4	Role of 3D EM/ES turbulence in fast ion confinement and Neutral Beam Current Drive in TCV (3/3)	10
TCV16-cont	Contingency	11
	Calendar week 13: Monday 28 Mar. to Friday 1 Apr. 2016 Bank holiday 28 March 2016 (Easter Monday)	0
	No operation	

	Calendar week 14: Monday 4 Apr. to Friday 8 Apr. 2016 Boronisation 04 April 2016 and Reduced V2 week	24
AUG15-1.1-1	ITER baseline confinement and development of alternative scenarios (3/3)	10
AUG15-1.1-3	JET identity experiment in improved H-mode (2/2)	6
AUG16-cont	Contingency	8
	Calendar week 15: Monday 11 Apr. to Friday 15 Apr. 2016	18
AUG15-1.8-3	Position control by reflectometry (1/1)	6
AUG16-cont	Contingency	12
	Calendar week 16: Monday 18 Apr. to Friday 22 Apr. 2016	16
AUG16-cont	Contingency	16
	Calendar week 17: Monday 25 Apr. to Friday 29 Apr. 2016 H plasmas	6
AUG16-cont	Contingency	6

	Calendar week 14: Monday 4 Apr. to Friday 8 Apr. 2016	57
TCV15-2.1-4	Divertor power load studies in single null configuration (3/3)	15
TCV15-2.2-4	SOL power width in limiter configurations (2/2)	10
TCV15-2.3-1	Power loading on first wall due to ELMs (4/4)	10
TCV15-1.1-10	Transport-driven toroidal rotation in H-mode plasma edge (1/2)	7
TCV15-1.1-6	Pedestal: effect of triangularity on confinement (4/4)	5
TCV16-cont	Contingency	10
	Calendar week 15: Monday 11 Apr. to Friday 15 Apr. 2016	50
TCV15-1.2-5	ELM pacing with vertical kicks (1/2)	10
TCV15-2.4-3	Characterisation of advanced divertor configurations (5/5)	10
TCV15-2.3-2	Power width dependence on triangularity (1/2)	10
TCV15-2.1-3	Detachment studies (4/4)	10
TCV16-cont	Contingency	10
	Calendar week 16: Monday 18 Apr. to Friday 22 Apr. 2016	63
TCV15-1.2-5	ELM pacing with vertical kicks (2/2)	10
TCV15-2.3-2	Power width dependence on triangularity (2/2)	10
TCV15-2.2-3	Filamentary transport in the SOL (3/4)	10
TCV15-2.4-1	Detachment optimisation in snowflake configuration (3/4)	13
TCV15-1.8-2	Plasma control through real-time modelling (1/1)	10
TCV16-cont	Contingency	10
	Calendar week 17: Monday 25 Apr. to Friday 29 Apr. 2016	52
TCV15-2.4-1	Detachment optimisation in snowflake configuration (4/4)	14
TCV15-1.3-3	Disruption avoidance using ECCD in high beta conditions (2/2)	10
TCV15-2.2-3	Filamentary transport in the SOL (4/4)	10
TCV15-1.1-10	Transport-driven toroidal rotation in H-mode plasma edge (2/2)	8
TCV16-cont	Contingency	10