31 of 58 priority 1 XPs group reviewed, 5 final reviewed

TSG	XP #	Author	Title	days	G	T
LR/CC	1000	H. Kugel	LLD Commisioning	3.00	X	X
LR	1001	V Soukhanovsky	LLD Pumping Group XP	2.00		
LR	1002	V Soukhanovsky	Core impurity density and radiated power reduction using variations in LLD divertor conditions	1.00		
ASC	1003	Kolemen	Combined X-point height and OSP control	1.00	X	
ASC	1004	Menard	Application of early error field correction to advanced scenarios	0.50	X	
ASC	1005	Menard	Modifications to the early discharge evolution to reduce late impurity content	0.50	X	
ASC	1006	Gerhardt	High-kappa Neutral Beam Heated Scenarios with Improved Control and LLD	1.00	X	
ASC	1007	M Bell	Use of HHFW heating to increase the non-inductive current fraction and reduce impurites in NBI-produced H-mode plasmas, including the use of 3-D Field pulses for ELM triggering	1.00	X	
ASC	1008	Gerhardt	Early HHFW Heating for Current Profile Modifications	1.00		
WPI	1009	Taylor	WPI-2: HHFW heating at low Te, Ip	0.50	X	X
SFSU				1.00		
WPI	1010	Taylor	WPI-1: 100% non-inductive RF H-mode	1.00	X	X
WPI	1011	Fredrickson	WPI-8/9: H-mode TAE/GAE avalanches	0.50	X	X
WPI	1012	LeBlanc	WPI-6/15: HHFW heating in NB heated plasmas	1.00	X	
WPI	1013	Tritz	WPI-18: *AE induced electron transport	0.50	X	
WPI	1014	Heidbrink	WPI-14/21: Study of Angelfish instability & effect of HHFW	0.50	X	
WPI/ITER	1015	Fu	WPI-11/16/19: M3D-K validation for beam-driven TAE	0.50	X	
WPI/ITER	1016	Hosea	WPI-3: HHFW power coupling vs ELMs	1.00		
ITER				0.50		
WPI/ITER	1017	Hosea	WPI-4: RF heating at divertor/SOL regions	0.50		
MS	1018	J. Park	Error field threshold study at high-beta – reduced torque	1.00	X	
MS	1019	Gerhardt	Optimization of beta-control	0.50	X	
MS	1020	Berkery	RWM Passive stability: Determination of, navigation through weak RWM stability Vf(psi)	1.00	X	
MS	1021	Gerhardt	Halo current study w/ extended diagnostic capability + LLD	1.00	X	
MS	1022	Katsuro-Hopkins	LQG controller for RWM stabilization	1.00		
MS	1023	Sabbagh	Optimized RWM feedback for high <bN>pulse at low n and li	1.00	X	
LR	1024	Skinner?	Impurity Reduction by Diffusive Li Injection	0.75	X	
ITER/ASC	1025	Canik	Synergistic effects between 3D fields and vertical jogs in ELM pacing	1.00		
ITER/BP	1026	Loarte	Effects of ELM control with RMP on edge power fluxes between and at ELMs	1.00		
ITER/ASC	1027	Canik	RMPs below the ELM triggering threshold for impurity screening	0.50	X	X

ITER/T&T	**1028**	Kaye	Density dependence of L-H threshold	0.50 X
ITER/T&T	**1029**	Maingi	Dependence of PLH on Radius and triangularity of the X-point	0.50
ITER/T&T	**1030**	Battaglia	ELM suppression using 3D fields from a single row off-midplane coils on NSTX	0.50
ITER/MS	**1031**	Sabbagh	Global MHD and ELM stability vs edge current, n*qped, edge nu	0.50
MS	**1032**	Buttery	Error field threshold scaling in H mode - next step devices	0.50 X
ASC	**1033**	Koleman	Improved shape and mhd control to improve very long-pulse high-kappa discharges	1.00
SFSU	**1034**	Raman	Flux saving and improved coupling to OH	3.50
T&T	**1035**	Kaye	Impact of rotation on turbulence and energy and momentum transport	1.00 X
T&T	**1036**	Battaglia	L-H power threshold for D and He plasmas using RF current drive with symmetric phasing	1.00 X
T&T	**1037**	Ren	Study of the Parametric Dependence of High-k Turbulence	1.00 X
T&T	**1038**	Smith	Investigation of multi-scale turbulence	0.50
T&T	**1039**	Kubota	Ohmic H-Mode	0.50
T&T	**1040**	Yuh	Sustained ITBs and H-Mode ITBs	0.50 X
T&T	**1041**	R Bell	Joint NSTX_DIII-D poloidal rotation experiment	0.50
T&T	**1042**	Solomon	Characterization of intrinsic torque using torque transients	0.50 X
BP	**1043**	Maingi	Measurements of heat flux profiles for the FY2010 Joint Research Milestone	3.00
BP	**1044**	Diallo	Increasing the Range of Achievable Pedestal Height	1.00 X
BP	**1045**	Soukhanovski	Snowflake divertor characterization in NSTX	1.00
BP	**1046**	Ahn	Characterization of ELM heat flux profiles	0.50
BP	**1047**	Canik	Density Pumpout due to RMPs as function of collisionality	0.50
BP	**1048**	Park	RMP threshold of ELM modification at different q95	0.50
BP	**1049**	Maingi	Dependence of edge profile modification by lithium to proximity to LLD	0.50 X
BP	**1050**	Soukhanovski	Divertor heat flux reduction and detachment studies with impurity seeding and LLD pumping for NSTX-U	0.50
BP	**1051**	Zweben	Test of LLD Electrodes for SOL Control	0.50
CC/ASC	**1052**	Gerhardt	Confinement, Stability, and Boundary Control during current rampdown	0.50
CC/ASC	**1053**	Kolemen	Development of fiducial plasmas	0.50
CC/LR	**1054**	Kugel	LLD deCommissioning	0.50
LR	**1056**	Mansfield	Can Impurities be Purged from the Core by Allowing Early Elms with Shaping and Eliminating Later ELMs with Aerosol	0.75 X
LR	**1057**	Skinner	D retention with LLD	1.00 X
CC/ALL	**1066**	Gerhardt	LLD Physics Survey	2.00 X

NSTX FY2010 Run Schedule (Start-up)

Last Updated: 03/15/2010

	Monday	Tuesday	Wednesday	Thursday	Friday
1	1-Mar	2-Mar	3-Mar	4-Mar	5-Mar
Hours					
	8-Mar	9-Mar	10-Mar	11-Mar	12-Mar
Hours					
	15-Mar	16-Mar	17-Mar	18-Mar	19-Mar
				ISTP	ISTP
Hours					
	22-Mar	23-Mar	24-Mar	25-Mar	26-Mar
	XMP 064	XMP 064	XMP 064	XMP 064	XMP 064
Hours					

Boundary Physics, Lithium Research, Macroscopic Stability,
Wave-Particle interactions, Turbulence & Transport,
Solonoid-Free Startup, Advanced Scenarios and Control,
Cross-cutting & Enabling, ITER

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NSTX FY2010 Run Schedule (Start-up)

Last Updated: 03/05/2010

	Monday	Tuesday	Wednesday	Thursday	Friday
1	29-Mar	30-Mar	31-Mar	1-Apr	2-Apr
	Kugel (XP1000) LLD commisioning	Kugel (XP1000) LLD commisioning	Kugel (XP1000) LLD commisioning	Soukhanovskii XP1001 LLD pumping	Soukhanovskii XP1001 LLD pumping
Hours					
2	5-Apr	6-Apr	7-Apr	8-Apr	9-Apr
	Skinner XP1057 D Retention w/LLD MSE Outer Channel Calibration	Kolemen XP1003 XP&OSP control? CHERS Ne glow?	MSE Calibration	Gerhardt XP1066 LLD Survey	Gerhardt XP1066 LLD Survey
Hours					
	12-Apr	13-Apr (TTF)	14-Apr (TTF)	15-Apr (TTF)	16-Apr (TTF)
	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance
Hours					
3	19-Apr (Sherwood)	20-Apr (Sherwood)	21-Apr (Sherwood)	22-Apr (Sherwood)	23-Apr(Sherwood)
	Kolemen XP1053 Development of fiducials?	BES Commissioning	Canik XP 1027 RMP below ELM threshold	Menard XP1004	Maingi XP1049 LLD effect on pedestal and SOL Menard XP1005
Hours					

Boundary Physics, Lithium Research, Macroscopic Stability,
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Last Updated: 03/05/2010

	Monday	Tuesday	Wednesday	Thursday	Friday
4	26-Apr	27-Apr	28-Mar	29-Apr	30-Apr
	XMP ? HHFW Plasma Conditioning	XMP ? HHFW Plasma Conditioning	Hosea XP1016 HHFW/ELMs (1)	Hosea XP1017 Divertor Heating (0.5) Taylor XP1010 Low Te/Ip (0.5)	Battaglia XP1036 L-H power thrshld
Hours					
5	(~~Taylor~~) 3-May	(~~Taylor~~) 4-May	(~~Taylor~~) 5-May	(~~Taylor~~) 6-May	(~~Taylor~~) 7-May
					Sabbagh XP1023 RWM feedback at high beta
Hours					
6	(~~Taylor~~) 10-May	(~~Taylor~~) 11-May	(~~Taylor~~) 12-May	(~~Taylor~~) 13-May	(~~Taylor~~) 14-May
Hours					
	17-May (HTPD)	18-May (HTPD)	19-May (HTPD)	20-May (HTPD)	21-May (HTPD)
	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance
Hours					

Boundary Physics, Lithium Research, Macroscopic Stability,
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	Monday	Tuesday	Wednesday	Thursday	Friday
7	24-May (PSI)	27-May (PSI)	28-May (PSI)	29-May (PSI)	30-May (PSI)
Hours					
8	31-May (ITER)	1-June (ITER)	2-June (ITER)	3-June (ITER)	4-June (ITER)
	Memorial Day				
Hours					
9	7-June	8-June	9-June	10-June	11-June
	XMP ? HHFW Plasma Conditioning	Diallo XP1044 Pedestal Height (1)	LeBlanc XP1012 HHFW Heating Efficiency (1)	Bell XP1007 High non-inductive	Taylor XP1010 100% non inductive
Hours					
10	14-June	15-June	16-June	17-June	18-June
	Heidbrink XP1014 HHFW/Angelfish (0.5)				
Hours					

Boundary Physics, Lithium Research, Macroscopic Stability,
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NSTX FY2010 Run Schedule (Start-up)

Last Updated: 03/05/2010

	Monday	Tuesday	Wednesday	Thursday	Friday
	21-June (EPS)	22-June (EPS)	23-June (EPS)	24-June (EPS)	25-June (EPS)
	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance
Hours					
11	28-June	29-June	30-June	1-July	2-July
Hours					
12	5-July	6-July	7-July	8-July	9-July
	"July 4"				
Hours					
13	12-July	13-July	14-July	15-July	16-July
	XMP ? HHFW Plasma Conditioning	Park XP1018 Error field (1)	Taylor XP1009 low Ip (1)	Gerhardt XP1008 Early HHFW (1)	Kaye XP1028 Density H-mode (0.5) Smith XP1038 multi-scale (0.5)
Hours					

Boundary Physics, Lithium Research, Macroscopic Stability, Wave-Particle interactions, Turbulence & Transport, Solonoid-Free Startup, Advanced Scenarios and Control, Cross-cutting & Enabling, ITER

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NSTX FY2010 Run Schedule (Start-up)

Last Updated: 03/05/2010

	Monday	Tuesday	Wednesday	Thursday	Friday
14	19-July	20-July	21-July	22-July	23-July
Hours					
15	26-July	27-July	28-July	29-July	30-July
Hours					
	2-Aug	3-Aug	4-Aug	5-Aug	6-Aug
	Diagnostic Calibrations	Diagnostic Calibrations	Diagnostic Calibrations	Diagnostic Calibrations	Diagnostic Calibrations
Hours					
	9-Aug	10-Aug	11-Aug	12-Aug	13-Aug
Hours					

Boundary Physics, Lithium Research, Macroscopic Stability,
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March					April				May					June				July				August					September			
1-Mar	8-Mar	15-Mar	22-Mar	29-Mar	5-Apr	12-Apr	19-Apr	26-Apr	3-May	10-May	17-May	24-May	31-May	7-Jun	14-Jun	21-Jun	28-Jun	5-Jul	12-Jul	19-Jul	26-Jul	2-Aug	9-Aug	16-Aug	23-Aug	30-Aug	6-Sep	13-Sep	20-Sep	27-Sep
Bakeout, recovery		ISTP, LLD fill		1	2	MW	3	4	5	6	MW	7	8	9	10	MW	11	12	13	14	15	Calib	Outage							
						TTF					HTPD	PSI				EPS, ICPS													