Calendario EXPERIMENTOS February – June 2017

6 Febrero

Fecha / días	Objetivo general	Configuración / plasmas **Plasmas H / D / He [2]** **ECRH calibration** **Experimentos polarización [5]** **VISITORS [17]:** **Grupo HIBP Kurchatov [2] / Kharkov [2]** : febrero 20 – 30 de junio **S. Ohshima / Kyoto University [2]**: 20th Feb to 12th March / March 21st to 31st March **Bing Liu / China:** May – June **[2]** **Ridhima Sharma / IST Portugal [2]**: 20 March + 3 months **Gustavo Grenfell / Fusion DC [2]**: February + 6 months **François Guilleautot / Dublin University / Erasmus [1]:** January + 7 months **Javier Pinzón** / IPP **[2]**	**HEATING (TJ-II) [3]** **ECRH [1]** **NBI [2]** **AREAS [6]** **I. ENABLING RESEARCH [4]** Fast particles **II. WP DTT1 and WP PFC [4]** Liquid metals (Li/Sn) Edge / SOL physics [2] **III. S1/S2 [18]** A **Exp. Scenario and external preparation** A1 **Alfven control / fast particle [2 + ER]** A2 **Qualification of turbulence studies [5]** A3 **Model validation** [5] A4 **Density control and fuelling schemes (Imp. transport) [5]** B1 **Diagnostics: reflectometry + HIBP [1]** **IV. ITPA** L-H transition and magnetic topology / TC24 **[3]** Feb – June 16 x 3 + 3 x 2 + 3 = 57 sesiones

		Eric Hollman / UCSD [June] **[2]**	Distribución = 52 + 5 contingencia

February			
7	ECRH + NBI	Arranque	
8	ECRH + NBI	Test biasing	
9		No hay operación	

Li coating: **Not needed**			
14	ECRH	Calibración	Alvaro Cappa et al
15	ECRH + NBI	Plasma-wall 1	Paco Tabarés et al., P04_Oct16
16		No hay operación	
Li coating: **Not needed**			
21	ECRH + NBI	**Biasing and radial correlation**	**Javier Pinzón et al., P17_Jan17**
22	ECRH + NBI	ER-1 / Fast particles	Paco Castejón et al., P17_Jan17 Alvaro Cappa et al., P16_Jan17 /
23	ECRH + NBI	**NBI-1 fuelling**	**Macarena Liniers et al., P14_Jan17**

April			

March			
B+Li coating: Monday, 27 Feb.			
28	ECRH + NBI	Biasing and radial correlation	Javier Pinzón P17_Jan17
1	ECRH + NBI	L-H influence of ripple	Teresa Estrada / Ulises Losada P18_Jan17
2	ECRH + NBI	Isotope effect Role of biasing and ripple / iota	S. Ohshima Kyoto University P10_Jan17x
7	ECRH + NBI	L-H influence of ripple	Teresa Estrada / Ulises Losada P18_Jan17
8	ECRH + NBI	Turbulence spreading	Gustavo Grenfell / Milligen P9_Jan16
9	ECRH + NBI	Pellet fuelling	Kieran McCarthy et al., P7_Jan17

D operation: Isotope effect			
14 March	ECRH + NBI	Plasma-wall	Paco Tabarés et al., P04_Oct16
15	ECRH	Turbulence spreading	Gustavo Grenfell / Milligen P9_Jan16
16	ECRH + NBI	Biasing and AEs	Melnikov P11_Jan17
21 March	ECRH + NBI	L-H influence of ripple: D operation	Teresa Estrada / Ulises Losada P18_Jan17
22	ECRH	Blow-off in He plasmas	Belen López-Miranda et al., P8_Jan17
23	ECRH +NBI	Biasing and AEs: **D** plasmas	Melnikov P11_Jan17

Monday 27 March: Lithium conditioning **Working gas: D on 28 and 29 March; He on 30 March**			
28 March	ECRH + NBI	Isotope effect Role of biasing and ripple / iota	S. Ohshima Kyoto University P10_Jan17
29	ECRH + NBI	ER-2 / fast particles	Paco Castejón et al., P17_Jan17 Alvaro Cappa et al., P16_Jan17
30	ECRH He plasmas	Blow-off in **He** plasmas	Belen López-Miranda et al., P8_Jan17
Monday 3 April: Boron+lithium conditioning **Working gas: D**			
4 April	ECRH	Asymmetries (HIBP + probes)	Ridhima Sharma / IST Portugal Asymmetries / Edi Sánchez et al., P15_Jan17
5	ECRH + NBI	Influence of ripple on the L-H transition	Teresa Estrada / Ulises Losada P18_Jan17 Asymmetries / Edi Sánchez et al., P15_Jan17
6	ECRH + NBI	Asymmetries (HIBP + probes)	Ridhima Sharma / IST Portugal Asymmetries / Edi Sánchez et al., P15_Jan17
11		SEMANA SANTA	
12		SEMANA SANTA	
13		SEMANA SANTA	
18	ECRH + NBI	Asymmetries	François Guilleautot Edi Sánchez et al., P15_Jan17
19	ECRH + NBI	Turbulence spreading	Gustavo Grenfell / Milligen P9_Jan16
20	ECRH + NBI	Pellet fuelling	McCarthy et al., P7_Jan17

Viernes 21 Abril: Apertura a cámara del LLiL (que estaba bombeándose desde el 3 de Abril)			
25 April	ECRH + NBI	NBI-2 / fuelling	Macarena Liniers et al., P14_Jan17
26	ECRH + NBI	Plasma-wall 3	Paco Tabarés et al., P04_Oct16
27	ECRH + NBI	Pellets and turbulence	Pellets and turbulence A. Zhezhera / Kieran / Tamura P1_Jan17
2 May	ECRH + NBI	FIESTA	
3	ECRH + NBI	Pellets and turbulence	A. Zhezhera / Kieran / Tamura P1_Jan16
4	ECRH + NBI	TEM -1	Edi Sánchez et al., P10_Feb16

Low B B: 0.6-1T. Monday 8: Boron+lithium			
9	NBI + ECRH 28 GHz	Low B and Er	Jose Luis Velasco et al., P4_Jan17
10	NBI + ECRH 28 GHz	Low B and Er	Jose Luis Velasco et al., P4_Jan17
11	ECRH + NBI	Plasma-wall 4	Paco Tabarés et al., P04_Oct16
		Vacuum failure on Saturday 13	
16	ECRH	~~Pellets and turbulence in ECRH plasmas~~ Operation cancelled due to vac. failure	A. Zhezhera / Kieran / Tamura P1_Jan16 (exp. session transferred to 18 May)
17	ECRH + NBI	~~Transport channel / decoupling~~ Operation cancelled due to vac. failure	B. Liu, Ulises Losada / P11_Jan17 (experimental session lost)
18	~~ECRH + NBI~~	~~TEM-2~~ Shifted to 8 June: DR was not ready Pellets and turbulence in ECRH plasmas	~~Edi Sánchez et al., P10_Feb16~~ (recovered from 16 May)

CHANGE OF WORKING GAS: BACK TO HYDROGEN			
23 May	ECRH + NBI	Pellet validation	Kieran McCarthy, Nerea Panadero et al., P7_Jan17
24	ECRH + NBI	Asymmetries / radiation (CH4, N, Ne,..)	Jose Manuel García-Regaña / Marian Ochando et al., P8_Jan17
25	ECRH + NBI	Neutral dynamics 1	Eduardo de la Cal et al.,
30	NBI ONLY	B scan / impurity transport / Blow-off	
31	ECRH + NBI	TEM-2	Edi Sánchez et al., P10_Feb16
1 June	ECRH He plasmas	Blow-off in **He** plasmas (anticipated contingency day from 29 June)	Belen López-Miranda et al., P8_Jan17

6	ECRH + NBI	ER-3 / fast particles	Paco Castejón et al., P17_Jan17 Alvaro Cappa et al., P16_Jan17
7	ECRH + NBI	ZF and ECRH	HIBP team P9_Feb16
8	ECRH + NBI	ER-4 / fast particles	Paco Castejón et al., P17_Jan17 Alvaro Cappa et al., P16_Jan17
13	ECRH + NBI	ZF and fast particle	Edi Sánchez et al., P3_Jan17
14	ECRH + NBI	Asymmetries / radiation	Jose Manuel García-Regaña / Marian Ochando et al., P8_Jan17
15	ECRH	ECRH on / off neoclassical model	Jose Luis Velasco et al., P5_Jan17

June			
20	ECRH + NBI	Impurity transport	Eric Hollman P9_Jan17
21	ECRH + NBI	Impurity transport	Eric Hollman P9_Jan17
22	ECRH + NBI	Neutral dynamics 2	Eduardo de la Cal et al.,
27			
		~~EPS 2017 / contingencia~~ NBI fuelling	Macarena Liniers et al., P14_Jan17
28		EPS 2017 / contingencia	Island dynamics: D. López-Bruna
29	ECRH + NBI	~~EPS 2017 / contingencia~~ HIBP diagnostic (comes from 1 June)	**HIBP / P9_Feb16 / P12_Jan17 / P1_Jan17**

Back-up			