



Commission Cryogénie
et Supraconductivité

JOURNÉES THÉMATIQUES FUSION

Cadarache - 13 & 14 juin 2017

Tuesday 13 June 2017

12 h	Welcome Buffet	
13 h	Welcome address	E. Monneret on behalf of B. Bigot (ITER IO)
13 h 15	Thermonuclear Fusion principles and reactors	J.-L. Duchateau (CEA)
1 st session: Cryogenics		
14 h	Cryogenics for Fusion (general problematic)	F. Michel (ITER IO)
14 h 20	ITER CryoPlant	E. Monneret (ITER IO)
14 h 40	Operation of Cryogenic Plant at Tore Supra / WEST	V. Lamaison (CEA)
15 h 10	Commissioning of Cryogenic Plant at JT-60SA	C. Hoa (CEA)
15 h 40	Cryogenic distribution System and Mechanics at ITER	L. Benkheira (ITER IO)
16 h	Control System for the ITER Cryogenic Plant and Distribution	D. Henry (ITER IO)
16 h 20	Large cryogenic systems for fusion	Y. Fabre (Air Liquide)
16 h 50	<i>Coffee Break</i>	
17 h	Modeling of Cryogenic systems	F. Bonne (CEA)
2 nd session: Superconducting Magnets		
17 h 30	Superconducting Magnets for Fusion (general problematic)	L. Zani (CEA)
18 h 15	Operation of TF Magnet at Tore Supra / WEST	D. Ciazynski (CEA)
18 h 45	Fabrication of TF Magnets for JT-60SA	A. Bourquard (GE) + P. Decool (CEA)
19 h 30	<i>Dinner (Château of Cadarache)</i>	

Wednesday 14 June 2017

2 nd session: Superconducting Magnets		
9 h	ITER Superconducting Magnets	A. Devred (ITER IO)
9 h 45	Cold Tests of TF magnets for JT-60SA	W. Abdel Maksoud (CEA)
10 h 15	<i>Coffee Break</i>	
10 h 30	EU DEMO Magnets	A. Torre (CEA)
11 h	Perspectives and Fusion road map	J.-L. Duchateau (CEA)
11 h 30	<i>Lunch buffet</i>	
12 h 30	3 rd session: Technical Visits (alternate CEA and ITER)	
	Visit of Tore Supra / WEST, Cryoplant and MIFI Labs	CEA/IRFM
	Visit of ITER site	ITER IO
16 h	<i>Departure of bus to Aix TGV and Marseille Airport</i>	