

GENERAL INFORMATION

Frank Zimmermann

200th FCC-ee Accelerator Design Meeting & 71st FCCIS WP2.2 Meeting

FCC Week 2025 draft program overview

Programme overview V0.7

Day	Monday	Tuesday					Wednesday						Thursday						Friday
Time	Plenary	Parallel 1	Parallel 2	Parallel 3	Parallel 4	Board Room	Plenary	Parallel 1	Parallel 2	Parallel 3	Parallel 4	Board Room	Plenary	Parallel 1	Parallel 2	Parallel 3	Parallel 4	Board Room	Plenary
Room	Zeremoniensaal (500 p.)	Geheime Ratsstube (150 p.)	Rittersaal (150 p.)	Trabantenstube (100 p.)	Künstlerzimmer (100 p.)	Radetzky Ap.1 (30 p.)	Zeremonienaal (500 p.)	Geheime Ratsstube (150 p.)	Rittersaal (150 p.)	Trabantenstube (100 p.)	Künstlerzimmer (100 p.)	Radetzky Ap.1 (30 p.)	td	Geheime Ratsstube (150 p.)	Rittersaal (150 p.)	Trabantenstube (100 p.)	Künstlerzimmer (100 p.)	Radetzky Ap.1 (30 p.)	Zeremoniensaal (500 p.)
08:00-08:30	Welcome coffee	Welcome coffee					Welcome coffee						Welcome coffee						Welcome coffee
08:30-09:00	Opening session and key note	PED	FCC-ee ACC	TI	Environment		Economics Impact of Big Science	PED	FCC-ee INJ	ACC	SRF			MDI	reserve	TI	ACC		Summaries
09:00-09:30		P. Janot	F. Zimmermann	K. Hanke	J. Gutleber		J. Gutleber	P. Janot	F. Zimmermann	J.P. Burnet	O. Brunner			M. Boscolo		K. Hanke	J. P. Burnet		
09:30-10:00																			
10:00-10:30	Coffee break	Coffee Break					Coffee Break						Coffee break						Coffee break
10:30-11:00		PED	FCC-ee ACC	TI	Environment		Economics Impact of Big Science	PED	FCC-ee INJ	ACC	SRF			MDI	FCC-hh ACC	TI	ACC		Summaries
11:00-11:30		P. Janot	F. Zimmermann	K. Hanke	J. Gutleber		J. Gutleber	P. Janot	F. Zimmermann	J.P. Burnet	O. Brunner			M. Boscolo	F. Zimmermann	K. Hanke	J. P. Burnet		
11:30-12:00																			
12:00-12:30						SAC (tbc) lunch													Closing remarks
12:30-13:00	Lunch break	Lunch break					Lunch break						Lunch break						
13:00-13:30																			
13:30-14:00		PED	FCC-ee ACC	Civil Engineering	Environment		Economics Impact of Big Science	PED	FCC-ee INJ	ACC	SRF			EPOL	Magnets	TI	ACC		Scientific Advisory Committee meeting (A. Parker U Cambridge)
14:00-14:30		P. Janot	F. Zimmermann	T. Watson	J. Gutleber		A. Unnervik	P. Janot	F. Zimmermann	J.P. Burnet	O. Brunner			G. Wilkinson	F. Zimmermann	K. Hanke	J. P. Burnet		
14:30-15:00																			
15:00-15:30		Coffee Break					Coffee Break						Coffee break						
15:30-16:00	Coffee break	PED	FCC-ee ACC	Civil Engineering	reserve		Economics Impact of Big Science							EPOL	Magnets	TI	reserve		
16:00-16:30		P. Janot	F. Zimmermann	T. Watson										G. Wilkinson	F. Zimmermann	K. Hanke			
16:30-17:00																			
17:00-17:30							M. Benedikt						Poster session						
17:30-18:00			Early Career Reserchers	Collaboration Board (tbc)															
18:00-18:30			J. Keintzel	P. Chomaz (CEA)															
18:30-19:00							Aperitiv Foyer Musikverein Vienna												

open question - FCC-ee booster

RF mode of operation and cavity voltages at injection and ramp
→ impact on duty factor cryo power, beam dynamics

“For sure there is an impact on the cryogenic consumption. Below a quick evaluation and comparison with the previous scheme at the maximum energy. The cryo power is increased (in red). This is the value in continuous wave (CW) operation and it has to be multiplied by the RF duty cycle.”

		Z booster	W booster	H booster	ttb booster
5-cell (June 2024)	Vcavity [MV]	10.00	14.35	18.16	22.55
	# CM	2	7	27	102
	Cryo power loss in cw [kW]	0.11	0.59	3.13	16.46
	Cryo power loss (wall-plug) in cw [MW]	0.09	0.44	2.33	12.27
6-cell RPO at Z and W (now)	Vcavity [MV]	12.80	21.41	22.28	22.72
	# CM	22	22	22	112
	Cryo power loss in cw [kW]	1.5	2.8	3.0	15.8
	Cryo power loss (wall-plug) in cw [MW]	1.1	2.1	2.3	11.8

collaboration with SuperKEKB

- eeFACT'25 workshop early March incl. visits to KEK
- monthly beam-beam meeting KEK-CERN-IHEP
- KEK secondments to CERN
- Further CERN secondments to KEK