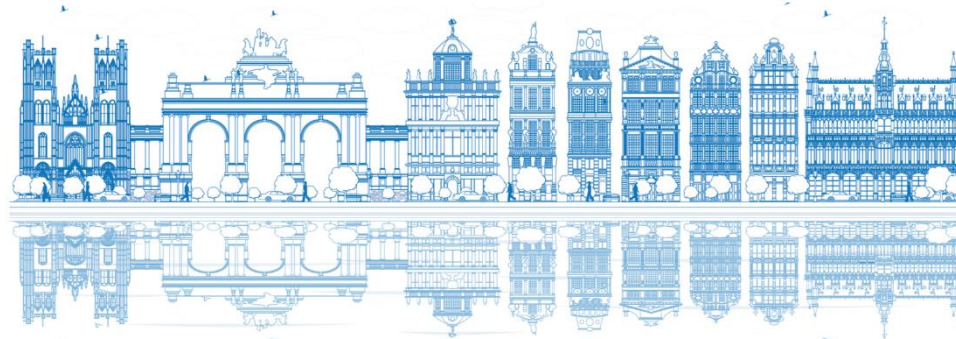


FCC Week 2019

status

**FCC
WEEK
2019**

BRUSSELS, BELGIUM
24 - 28 JUNE 2019
Crowne Plaza Brussels
Le Palace



WRITING
the **FUTURE**

<http://fccweek2019.web.cern.ch>

M. BENEDIKT, 05 JUNE 2019

Registrations status (04 June 2019)

- ▶ Total 366 registrations including
 - ▶ 129 CERN participants
 - ▶ 30 EASITrain
 - ▶ 48 EuroCirCol
 - ▶ 7 IAC members
 - ▶ 13 LOC

Participation per day:

Monday: 307, Tuesday: 325, Wednesday: 313, Thursday: 299,
Friday: 251

Programme overview

Day	Sun. 23.6.	Monday 24 June	Tuesday 25 June	Wednesday 26 June	Thursday 27 June	Friday 28 June	Time												
Room		Plenary Ground floor Ballroom I+II	Parallel 1 Ground floor Ballroom II 200p	Parallel 2 1st floor Crea/Explo 114p	Parallel 3 1st floor Eva/Inno 101p	Parallel 4 Ground floor Ballroom I 280p	Parallel 1 Ground floor Ballroom I 280p	Parallel 2 Ground floor Ballroom II 200p	Parallel 3 1st floor Crea/Explo 114p	Parallel 4 1st floor Eva/Inno 101p	Parallel 1 Ground floor Ballroom I 280p	Parallel 2 Ground floor Ballroom II 200p	Parallel 3 1st floor Crea/Explo 114p	Parallel 4 1st floor Eva/Inno 101p	Plenary Ground floor Ballroom I+II	Room			
Time																Time			
08:30-09:00	Registration @ Palace Lobby (Ground floor)	Opening, study status and physics perspectives	Welcome (Speaker, ORG)	EuroCirCol machine design WP2	SC RF cavities and technologies	Precision measurements, energy calibration and luminosity measurement	WORKSHOP Sustainable research infrastructures - The Challenges	FCC-ee machine design	EuroCirCol cryo-beam vacuum design WP4	Detector technology and proposals	FCC-hh kickers, septa, dumps and protection devices	FCC-ee MDI design	EuroCirCol 16 Tesla magnet WPS	Top, flavours, and QCD	Implementation aspects	Summaries machines and technologies	FCC-hh machine design	08:30-09:00	
09:00-09:30			Inspirational talk - Particle physics today OR The impact of a large scale research infrastructure															FCC-ee machine design	09:00-09:30
09:30-10:00			D. Schulte (CERN)	D. Brunner (CERN)	Chairperson (ORG)	Chairperson (ORG)	K. Olde (KEK)	F. Perez (ALBA)	Chairperson (ORG)	Chairperson (ORG)	M. Boscolo (INFN)	D. Tommasini (CERN)	Chairperson (ORG)	J. Gutleber (CERN)	I&O / Technologies		09:30-10:00		
10:00-10:30		Chairperson (ORG)	The FCC integrated programme	Coffee Break Lobby Ballroom+Bar+Lobby Klimt (Ground floor) and 1st floor Atrium				Coffee Break Lobby Ballroom+Bar+Lobby Klimt (Ground floor) and 1st floor Atrium				Coffee Break Lobby Ballroom+Bar+Lobby Klimt (Ground floor) and 1st floor Atrium				Chairperson (ORG)	Magnets / RF	10:00-10:30	
10:30-11:00		Coffee Break Lobby Ballroom+ Bar+ Lobby Klimt (Ground floor)		EuroCirCol machine design WP2	SC RF cavities and technologies	Precision measurements, energy calibration and luminosity measurement	WORKSHOP Methods for impact assessment	FCC-ee machine design	EuroCirCol cryo-beam vacuum design WP4	Detector technology and proposals	Cryogenics	FCC-ee MDI design	Conductor: Nb3Sn wire R&D	Higgs physics	Safety and technical infrastructure	Coffee Break (Lobby Ground floor)			10:30-11:00
11:00-11:30		EuroCirCol results	EuroCirCol WP2+3 FCC-hh design													Summaries physics and experiments		11:00-11:30	
11:30-12:00		EuroCirCol WP4 - Vacuum system	D. Schulte (CERN)	D. Brunner (CERN)	Chairperson (ORG)	Chairperson (ORG)	K. Olde (KEK)	F. Perez (ALBA)	Chairperson (ORG)	L. Taviani (CERN)	M. Boscolo (INFN)	A. Ballarino (CERN)	Chairperson (ORG)	V. Mertens (CERN)	FCC-hh physics & experiments		11:30-12:00		
12:00-12:30		Chairperson (ORG)	EuroCirCol WPS - 16 T Magnets	2nd floor Grace	Lunch Lobby Ballroom + Restaurant Galleries 1-2-3+Klimt Ground floor				2nd floor Grace	Lunch Lobby Ballroom + Restaurant Galleries +Klimt Ground floor				2nd floor Grace	Lunch Lobby Ballroom + Restaurant Galleries +Klimt Ground floor		FCC-ee physics & experiments	12:00-12:30	
12:30-13:00		Lunch Lobby Ballroom + Restaurant Gallerie I,II,III, (Ground floor)		Steering Committee (closed meeting)	Lunch Lobby Ballroom + Restaurant Galleries 1-2-3+Klimt Ground floor				International Advisory Committee (closed meeting)	Lunch Lobby Ballroom + Restaurant Galleries +Klimt Ground floor				EASISchool 3 preparation (closed meeting)	Lunch Lobby Ballroom + Restaurant Galleries +Klimt Ground floor		Chairperson (ORG)	Closing remarks	12:30-13:00
13:00-13:30																	13:00-13:30		
13:30-14:00			EuroCirCol EIR design WP3	RF power sources	Standard model precision	WORKSHOP Creating impact - the next steps	1st floor Eva/Inno 101p	8th floor Vision 220p	1st floor Crea/Explo 114p	8th floor Clarity 104p	HE-LHC optics		Conductor: Nb3Sn and other SC materials R&D	Global fits and BSM	FCC main magnet circuit layouts, protection and simulation tools for beam dumps		13:30-14:00		
14:00-14:30	Status FCC-ee, technologies and infrastructure	FCC-ee design overview					FCC-ee injector design	EuroCirCol 16 Tesla magnet WPS	Software and simulations	FCC-ee and HE-LHC beam dump system concepts, FCC-ee beam vacuum challenges	F. Zimmermann (CERN)	C. Santore (UNIGE)	Chairperson (ORG)	Chairperson (ORG)		14:00-14:30			
14:30-15:00		SRF and power sources R&D overview	R. Tomas (CERN)	E. Jensen (CERN)	Chairperson (ORG)	Chairperson (ORG)										14:30-15:00			
15:00-15:30	Chairperson (ORG)	Civil engineering, I&O overview (V. Mertens)	Lobby Ballroom+Bar+Lobby Klimt (Ground floor) and 1st floor Atrium				Coffee Break Lobby Ballroom+Bar+Lobby Klimt (Ground floor) and 1st floor Atrium				Coffee Break Lobby Ballroom+Bar+Lobby Klimt (Ground floor) and 1st floor Atrium					15:00-15:30			
15:30-16:00	Coffee Break Lobby Ballroom+ Bar+ Lobby Klimt (Ground floor)		Coffee Break		Poster session Klimt Ground floor		WORKSHOP Panel discussion	Regional projects MYRRA, IBA, IMEC Ballroom I+II (Ground floor)				FCC-eh option	HFM R&D	EASITrain ESR's work progress	FCC beam diagnostics and radiation environment		15:30-16:00		
16:00-16:30	Horizon Europe (Ibid)															16:00-16:30			
16:30-17:00	European Commission Missions (M. Marzuccillo)		EuroCirCol EIR design WP3	FCC-ee injector linacs	Standard model precision	Chairperson (ORG)	Chairperson (ORG)				Chairperson (ORG)	D. Tommasini (CERN)	Chairperson (ORG)	Chairperson (ORG)		16:30-17:00			
17:00-17:30	CBA talk						Cold refreshments (Lobby Ground floor)									17:00-17:30			
17:30-18:00	Chairperson (ORG)	European Strategy for Particle Physics (J. d'Hondt)	R. Tomas (CERN)	K. Olde (KEK)	Chairperson (ORG)		2nd floor Infinity 25p					FCC CB (closed session)					17:30-18:00		
18:00-18:30							EASITrain CC (closed meeting)					EuroCirCol CB (closed session)					18:00-18:30		
18:30-19:00							EASITrain SSB (closed session)					Chairperson (ORG)					18:30-19:00		
19:00-19:30							M. Benedic (CERN)										19:00-19:30		
19:30-20:00																19:30-20:00			
20:00-20:30																20:00-20:30			
		<p>Welcome reception with Springer EPJ Book Presentation</p> <p>Klimt+Bar+Terrace (Ground floor)</p> <p>NB: In case of bad weather Klimt+Bar+Lobby Ballroom+Arabesque+Mosaic+Stoclet</p>		<p>2nd floor Infinity</p> <p>HE-LHC overview & collimation 16:30 - 18:00</p>						<p>Workshop Banquet</p>									

Monday programme - morning

Opening Session part 1 (08:30-09:30) Chair: Jorgen D'Hondt

- Welcome (5') by Jorgen D'Hondt
- Welcome speech (10') – Wolfgang Bartscher
- Welcome speech (10') – Fabiola Gianotti
- Mr. Herman Van Rompuy 's key note

Opening Session part 2 (09:30-10:30) Chair: Philippe Chomaz

- Prof. Nima Arkani Hamed's key note
- Overview of the Future Circular Collider study - Michael Benedikt

EuroCirCol results (10:30 – 12:30) Chair: Roy Aleksan

- EuroCirCol WP2+3 FCC-hh design – Barbara Dalena (CEA)
- EuroCirCol WP4 - Vacuum system – Francis Perez (ALBA)
- EuroCirCol WP5 - 16 T Magnets – Davide Tommasini (CERN)

Monday programme - afternoon

Status FCC-ee, technologies and infrastructure (14:00 – 15:30) Chair: Pierluigi Campana (INFN)

- FCC-ee design overview – **speaker tbd**
- SRF and power sources R&D overview – Anne-Marie Valente (JLAB)
- Civil engineering, I&O overview – Volker Mertens (CERN)

Special Session Funding Instruments and Strategy (16:00-17:30) Chair: **tbc**

- Horizon Europe and Europe's Strategy on R&I (30') – Keith Sequeira
- Fundamental research as driver for Innovation (30') – Carlos Oliveira
- Update of the European Strategy for Particle Physics (30') – Jorgen D'Hondt

Welcome Reception (18:00 – 20:00) by Springer/Nature