Session Program

19–23 May 2025

FCC Week 2025

Superconducting Radio Frequency

Hofburg Vienna
Hofburg Vienna, Heldenplatz, 1010 Vienna Austria

Wednesday 21 May

08:30

Superconducting Radio Frequency: Directions for R&D

Session | **Location:** Künstlerzimmer | **Convener:** Sergey Belomestnykh

08:30–08:50 **FCC RF operation scenarios - new baseline**

Speaker
Ivan Karpov

08:50–09:10 **FCC RF power sources and powering schemes**

Speaker
Igor Syratchev

09:10–09:30 **Operation / reliability**

Speaker
Andy Butterworth

09:30–09:45 **The INFN LNL SRF R&D projects towards FCC-ee**

Speaker
Cristian Pira

09:45–10:00 **The transverse feedback system for FCC_ee**

Speaker
Wolfgang Hofle

10:00

10:30

Superconducting Radio Frequency: Technology (i)

Session | **Location:** Künstlerzimmer | **Convener:** Cristian Pira

10:30–10:45 **Strategy for SRF R&D at CERN**

Speaker
Walter Venturini Delsolaro

10:45–11:00 **SRF material R&D for FCCee: high-Q niobium and high-delta ceramic**

Speaker
Akira Miyazaki

11:00–11:15 **Cavity substrate development**

Speaker
Marco Garlasche

11:15–11:30 **Electropolishing of large copper substrates for FCC_ee SRF cavities**

Speaker
Leonel Marques Antunes Ferreira

11:45–12:00 **Progress of the EIC superconducting RF system**

Speaker
Silvia Verdú Andrés

12:00

13:30

Superconducting Radio Frequency: Technology (ii)

Session | **Location:** Künstlerzimmer | **Convener:** Ursula Helga Van Rienen

13:30–13:45

Roadmap for a 400 MHz cryomodule demonstrator (400 MHz DEMO) at CERN

Speaker
Vittorio Parma

13:45–14:00

Accelerating cavities with HOM damping for FCC-ee

Speaker
Shahnam Gorgi Zadeh

14:00–14:15

Semi-dry Cooling R&D of Superconducting Radiofrequency Cavities at CERN

Speaker
Dr Torsten Koettig

14:15–14:30

SRF 400 & 800 MHz cryomodules: design evolution and future work

Speaker
Karin Canderan

14:30–14:45

800 MHz SRF cavity and cryomodule developments at FNAL towards FCC

Speaker
Kellen McGee

14:45–15:00

Nb3Sn coatings for RF cavities

Speaker
Guillaume Jonathan Rosaz

15:00

Thursday 22 May

08:30

Superconducting Radio Frequency: Technology (iii)

Session | **Location:** Rittersaal | **Conveners:** Anne-Marie Valente-Feliciano, Kellen McGee

08:30–08:45 **Beam dynamics and RF requirements for the high-energy booster**

Speaker
Lina Valle

08:45–09:00 **FCC-ee Power Coupler Design Overview**

Speaker
Shahnam Gorgi Zadeh

09:00–09:15 **HOM coupler sensitivity**

Speaker
Sosoho-Abasi Udongwo

09:15–09:30 **SRF R&D 1.3 GHz test results at CERN**

Speaker
Mr Kristof Brunner

09:30–09:45 **Superconducting thin films devlepments for RF cavities at CEA**

Speaker
Yasmine Kalboussi

09:45–10:00 **TEM analysis of coatings for RF cavities**

Speaker
Dr Johannes Bernardi

10:00–10:01 **WOW and SWELL cavity test results**

Speaker
Franck Peauger

10:35