

FCC Week 2022

Tuesday 31 May 2022

Technology: SRF: Directions for R&D - Room 109 (11:00 - 12:35)

-Conveners: Olivier Brunner

time	[id] title	presenter
11:00	[110] Baseline & Cavity options for FCC-ee	PEAUGER, Franck
11:20	[111] Beam-cavity interaction studies for the FCC-ee – RF frequency considerations	KARPOV, Ivan
11:40	[217] RF frequency considerations	ZHANG, Linhao
11:55	[112] The SRF program in the SNOWMASS 2021 strategy	VALENTE-FELICIANO, Anne-Marie
12:15	[113] Innovative superconducting thin film coated cavities (IFAST)	ANTOINE, Claire

Technology: SRF Technologies 01 - Room 109 (14:00 - 15:30)

-Conveners: Anne-Marie Valente-Feliciano

time	[id] title	presenter
14:00	[114] The Ell Cavities program at CERN: Short Intro (strategy & goals)	ROSAZ, Guillaume Jonathan
14:09	[115] The Ell Cavities program at CERN: Baseline cavities designs for FCC_ee	UDONGWO, Sosoho-Abasi
14:18	[145] Elliptical Cavities Production Technologies	GARLASCHE, Marco
14:27	[60] Electropolishing 1300 & 400 MHz SRF copper substrates	BELLINI, Gloria
14:36	[52] Temperature Mapping System For Niobium Coated Copper Cavities	BIANCHI, Antonio
14:45	[80] Nb/Cu thin film HiPIMS coatings optimization for SRF applications	PEREIRA CARLOS, Carlota
14:54	[66] RF tests of Nb/Cu 1.3 GHz elliptical cavities	VEGA CID, Lorena
15:03	[154] The Ell Cavities program at CERN: Atomic layer deposition	PROSLIER, Thomas
15:12	[59] Progress with bipolar HiPIMS-deposited Nb ₃ Sn films on Cu for SRF applications	LEITH, Stewart
15:21	[117] Discussion	

Technology: SRF Technologies 02 - Room 109 (16:00 - 17:35)

-Conveners: Thomas Proslie

time	[id] title	presenter
16:00	[37] Two Stage High Efficiency Klystron for FCC-ee	ZAIB UN NISA, Zaib Un Nisa
16:25	[42] The SWELL Cavities program	Mr PEAUGER, Franck BURT, Graeme Campbell TIMMINS, Marc THERASSE, Mathieu GORGI ZADEH, Shahnam KOETTIG, Torsten

16:35	[118] The SWELL Cavities program at CERN: The SWELL cavity RF development	GORGI ZADEH, Shahnám
16:45	[119] The SWELL Cavities program at CERN: Mechanical design and challenges	TIMMINS, Marc
16:55	[120] The SWELL Cavities program at CERN: Preparation of the 1.3 GHz SWELL tests	THERASSE, Mathieu
17:05	[121] Heat transfer studies of a SWELL mock-up geometry to its helium cooling loop	KOETTIG, Torsten
17:15	[218] The SWELL Cavities program at CERN: Experience with slotted cavities at ULAN	BURT, Graeme Campbell
17:25	[122] Discussion	

Wednesday 1 June 2022

Technology: first session - Amphithéâtre ROUSSY (11:00 - 12:30)

-Conveners: Giorgio Apollinari

time	[id] title	presenter
11:00	[82] Status of Collider and Booster Magnets for FCC-ee	BAUCHE, Jeremie
11:30	[91] Vacuum Component R&D	GARION, Cedric
12:00	[30] Power Converters R&D – From DC Distribution to Energy Storage Systems	AGUGLIA, Davide

Thursday 2 June 2022

Technology: second session (09:00 - 10:30)

-Conveners: Roberto Losito

time	[id] title	presenter
09:00	[92] Robotic Technologies for Operations in Extreme Environments (Inspection, Maintenance, Repair and Upgrade of the FCC)	DARWIN, Caldwell
09:25	[35] Lesson learnt and future vision on remote maintenance robots	MATHESON, Eloise
09:45	[93] Robotics for construction : Now, Tomorrow	SUBRIN, Kevin
10:05	[94] Teleoperation and human-robot-interface	REDONDO GALLEGO, Violeta

Technology: R&D (11:00 - 12:30)

-Conveners: Tatiana Pieloni

time	[id] title	presenter
11:00	[95] PETRA IV Girder design and installation test	HÜNING, Markus
11:25	[39] Bunch length measurement studies using Cherenkov Diffraction radiation	SCHLOEGELHOFER, Andreas
11:45	[45] HiRadMat test of the FCC-ee passive diluter prototype	Mr KRAINER, Alexander
12:05	[55] FCC e+e- Arc half-cell mock-up	CARRA, Federico