Session Program

May 29, 2017 to June 2, 2017

FCC Week 2017

Poster session

Intercontinental Hotel
Budapester Str. 2, 10787 Berlin, Germany

Tue, May 30

5:00 PM

Poster session

Poster Session | **Location:** Intercontinental Hotel, Budapester Str. 2, 10787 Berlin, Germany

Adaption of the LHC cold mass cooling system to the requirements of the Future Circular Collider (FCC)

Speaker
Claudio Kotnig

Pneumatic free valve actuators

Speaker
Fridolin Holdener

A scalable and open system for complex system behaviour assessment

Speaker
Jussi-Pekka Penttinen

Impact of large beam-induced heat loads on the transient operation of the beam screens and cryogenic plants of the Future Circular Collider (FCC)

Speaker
Hugo Ricardo Correia Rodrigues

Bose–Einstein condensation in strong interaction processes

Speaker
Vitaly Okorokov

Scalar particles of the Higgs Triplet Models at the FCC with low energy constraints

Speaker
Magdalena Kordiaczyńska

Probing the light quark Yukawa couplings through rare exclusive Higgs boson decays

Speaker
Konstantinos Nikolopoulos

Design Studies of 16 T Nb3Sn Dipole Magnets at Fermilab

Speaker
Alexander Zlobin

Internal tin strands designed in RF for application in high field dipoles

Speaker
ILDAR ABDYUKHANOV

Analysis of stresses in a 16-T superconducting dipole during a quench

Speaker
Junjie Zhao

First considerations of the layout and lattice design of SPPC

Speaker
Yukai Chen

Synchrotron radiation backgrounds for the FCC-hh Experiments

Speaker
Francesco Collamati

Modeling approaches for the beam impedance contribution of pumping holes

Speaker
Bernard Riemann

Novel technique of solid-state amplifiers design

Speaker
Dr Georgy Sharkov

Pressure profile in the experimental areas of FCC hh and ee, calculation by an analytical code

Speaker
Ida Aichinger

High-Temperature Superconductor Coating for the FCC Beam Screen

Speaker
Patrick Krkotic

Solid-State Marx Generators for use in the Injection Kickers of the Future Circular Collider

Speaker
Agnieszka Chmielinska

Axial channeling of high-energy protons in bent crystals as a tool for beam steering or splitting in high-energy hadron accelerators

Speaker
Laura Bandiera

HTS Coated Conductors for the FCC-hh beam screen

Speaker
Francis Perez

Radiation Monitoring Technologies and Irradiation Test Facilities for FCC

Speaker
Georgi Gorine

Remote manipulations and application of unconventional repair technologies in the FCC tunnel

Speaker
Prof. Toms Torims

Experimental investigation of adsorption and desorption processes of cryosorbed gases on proposed FCC accelerator walls

Speaker
Marco Angelucci

Kicker pulse generator anomaly detection for reliability improvements through advanced machine learning

Speaker
Pieter Van Trappen

Resonant Production of Scalar Leptons by RPV Couplings at the FCC

Speaker
Sehban Kartal

Simulations of High efficiency Klystron

Speaker
Jinchi Cai

Collective Effects in the Interaction Region of FCC-ee

Speaker
Eleonora Belli

Production of High Mass Charged Higgs Boson at FCC-hh

Speaker
Ilkay Turk Cakir

Probing Anomalous HVV Couplings at the FCC-ep

Speaker
Ilkay Turk Cakir

Test of HTS Demonstrator Dipoles in the 11 T Background Field of the SULTAN Facility

Speaker
Xabier Sarasola

Compact common-coil design for a future collider

Speaker
Emmanuele Ravaioli

A Code for Optimising Triplet Layout

Speaker
Leon Van Riesen-Haupt

Strategies to reduce the voltage to ground in the FCC main dipole circuits

Speaker
Marco Prioli

Update on the FCC-hh interaction region design

Speaker
Roman Martin

Application of the wire offset measurements technique in the FCC alignment

Speaker
Nerea Ibarrola Subiza

Electrical transmission line studies

Speaker
Maria Mylona

Eliminating field distortions caused by the HTS beam screen coating

Speaker
Mr Kristof Brunner

HIJING++ Monte Carlo Generator for the Future Heavy-ion Collisions

Speakers
Dr Gergely Gabor Barnafoldi, Peter Levai

New design concepts for suppressing erratic triggering of solid state switch stacks

Speaker
Pieter Van Trappen

3D modelling of underground structures and integration

Speakers
Fani Valchkova-Georgieva, Yvon Muttoni

Fire safety

Speaker
Saverio La Mendola

Fire Performance-based Safety design

Speaker
Andre Henriques

Investigation of the mechanical properties of epoxy impregnated Nb3Sn cables

Speaker
Claudio Fichera

Energy Deposition Studies for the New Compact FCC-hh Final-Focus System

Speaker
Jose L. Abelleira

First results of large size SRF cavity fabrication by electrohydraulic forming

Speaker
Carolina Abajo Clemente

A fully symmetric final focus system for FCC-hh

Speaker
Jose L. Abelleira

Neutron irradiation

Speaker
Stephan Pfeiffer

Beam instability study for FCC-hh

Speaker
Daria Astapovych

Development of Distributed Tin processed Nb3Sn wire for FCC

Speaker
Shinya Kawashima

Beam abort system for the FCC-ee

Speaker
Armen Apyan

Functional requirements, design and performance of the transverse damping system

Speaker
Jani Paavo Olavi Komppula

Studies on beam related machine protection of the FCC-hh

Speaker
Yuancun Nie

7:24 PM