

CHART Workshop 2022



Swiss Accelerator
Research and
Technology

Report of Contributions

Contribution ID: 6

Type: **not specified**

MagAM

Thursday, 9 June 2022 13:15 (15 minutes)

Additive Manufacturing for Structural Components in Superconducting Coils

Primary authors: FERCHOW , Julian (ETHZ); BEUTLER, Patrick (ETHZ)

Presenters: FERCHOW , Julian (ETHZ); BEUTLER, Patrick (ETHZ)

Session Classification: Session 1

Contribution ID: 7

Type: **not specified**

MagDev1

Thursday, 9 June 2022 13:30 (15 minutes)

Superconducting Accelerator Magnet R&D at PSI

Primary author: Dr AUCHMANN, Bernhard (CERN/PSI)

Presenter: Dr AUCHMANN, Bernhard (CERN/PSI)

Session Classification: Session 1

Contribution ID: 8

Type: **not specified**

MagNum

Thursday, 9 June 2022 13:45 (15 minutes)

Sustainable and Consistent Integrated Modelling of
Superconducting Magnets

Primary author: MACIEJEWSKI, Michal (ETH Zurich)

Co-author: Dr SMAJIC , Jasmin (ETHZ)

Presenter: MACIEJEWSKI, Michal (ETH Zurich)

Session Classification: Session 1

Contribution ID: 9

Type: **not specified**

MagRes

Thursday, 9 June 2022 14:00 (15 minutes)

Development of optimized resin systems for SC magnet coil production

Primary author: STUDER, Pascal (ETHZ)

Co-author: Prof. TERVOORT, Theo (ETHZ)

Presenter: STUDER, Pascal (ETHZ)

Session Classification: Session 1

Contribution ID: **10**

Type: **not specified**

WireChar

Thursday, 9 June 2022 14:30 (15 minutes)

Multiphysical characterization of Nb₃Sn wires and of REBCO coated conductors

Primary author: Prof. SENATORE, Carmine (UniGE)

Presenter: Prof. SENATORE, Carmine (UniGE)

Session Classification: Session 1

Contribution ID: 11

Type: **not specified**

WireDev

Thursday, 9 June 2022 14:15 (15 minutes)

Development of recipes and methods for the fabrication of Nb₃Sn multifilamentary wires with enhanced current carrying capabilities

Primary author: Prof. SENATORE, Carmine (UniGE)

Presenter: Prof. SENATORE, Carmine (UniGE)

Session Classification: Session 1

Contribution ID: 12

Type: **not specified**

FCC / LHC Lumi

Thursday, 9 June 2022 15:00 (15 minutes)

Luminosity Precision Measurements for Hadron Colliders

Primary authors: Ms WANCZYK, Joanna (EPFL); WANSZYK, Joanna (CERN)

Co-author: Dr PIELONI, Tatiana (LPAP EPF Lausanne)

Presenter: Ms WANCZYK, Joanna (EPFL)

Session Classification: Session 2

Contribution ID: 13

Type: **not specified**

FCCee-Beam Dynamics Simulations

Thursday, 9 June 2022 15:15 (15 minutes)

Accelerator design and simulation framework for FCC-ee: optics and collective effects

Primary author: Dr PIELONI, Tatiana (LPAP EPF Lausanne)

Presenter: Dr PIELONI, Tatiana (LPAP EPF Lausanne)

Session Classification: Session 2

Contribution ID: 14

Type: **not specified**

FCChh Stability

Thursday, 9 June 2022 15:30 (15 minutes)

Long term coherent stability and diffusion studies for the Future Circular Hadron Colliders

Primary author: SABATO, Luca (EPFL)

Co-author: Dr PIELONI, Tatiana (LPAP EPF Lausanne)

Presenter: SABATO, Luca (EPFL)

Session Classification: Session 2

Contribution ID: 15

Type: **not specified**

FCCee Injector

Thursday, 9 June 2022 15:45 (15 minutes)

Design and critical item test program for FCC-ee Injector

Primary author: Dr CRAIEVICH, Paolo (PSI - Paul Scherrer Institut)

Presenter: Dr CRAIEVICH, Paolo (PSI - Paul Scherrer Institut)

Session Classification: Session 2

Contribution ID: 16

Type: **not specified**

FCC Geodesy

Thursday, 9 June 2022 16:00 (15 minutes)

Determination of a high-precision gravity field model for the FCC region and improvement of the Geodetic Reference Frames and the Geodetic Infrastructure

Primary author: Prof. ROTHACHER, Markus (ETHZ)

Presenter: Prof. ROTHACHER, Markus (ETHZ)

Session Classification: Session 2

Contribution ID: 17

Type: **not specified**

FCC Geology 3D Model

Thursday, 9 June 2022 16:15 (15 minutes)

Development of a high-resolution 3D geological model and associated GIS-based subsurface data set for the FCC tunnelling work

Primary author: Prof. MOSCARELLO, Andrea (UniGE)

Presenter: Prof. MOSCARELLO, Andrea (UniGE)

Session Classification: Session 2

Contribution ID: **18**

Type: **not specified**

HTS Bulk Undulator

Thursday, 9 June 2022 16:30 (15 minutes)

REBCO Bulk/Tape-Stack SC Undulator

Primary author: Dr CALVI, Marco (PSI - Paul Scherrer Institut)

Presenter: Dr CALVI, Marco (PSI - Paul Scherrer Institut)

Session Classification: Session 2

Contribution ID: 19

Type: **not specified**

Welcome and introduction

Thursday, 9 June 2022 13:00 (15 minutes)

Primary author: Prof. OTT, Hans Rudolf (ETHZ)

Presenter: Prof. OTT, Hans Rudolf (ETHZ)

Contribution ID: 20

Type: **not specified**

Closing word

Thursday, 9 June 2022 16:45 (15 minutes)

Primary author: Prof. OTT, Hans Rudolf (ETHZ)

Presenter: Prof. OTT, Hans Rudolf (ETHZ)