

Zurich PhD Seminars 2022

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction

Thursday 26 January 2023 08:45 (15 minutes)

Presenter: SERRA, Nicola (University of Zurich (CH))

Contribution ID: 2

Type: **not specified**

Search for Lepton Flavour Universality Violation at the CMS experiment in Bc semileptonic decays

Thursday 26 January 2023 09:00 (30 minutes)

Presenter: RITI, Federica (ETH Zurich (CH))

Session Classification: Session

Contribution ID: 3

Type: **not specified**

Wilson Coefficient measurement in Lb-baryon semi-leptonic decays

Presenter: FERRILLO, Martina (University of Zurich (CH))

Session Classification: Session

Contribution ID: 4

Type: **not specified**

Combination of Higgs Differential Production Cross Section and Effective Field Theory Interpretation

Thursday 26 January 2023 10:00 (30 minutes)

Presenter: GALLI, Massimiliano (ETH Zurich (CH))

Session Classification: Session

Contribution ID: 5

Type: **not specified**

Low energy leptons in high energy physics

Thursday 26 January 2023 11:30 (30 minutes)

Presenter: MEIRING, Peter Eduard (University of Zurich (CH))

Session Classification: Session

Contribution ID: 6

Type: **not specified**

Search for non-resonant production of semivisible jets with the CMS experiment

Thursday 26 January 2023 12:00 (30 minutes)

Presenter: EBLE, Florian (ETH Zurich (CH))

Session Classification: Session

Contribution ID: 7

Type: **not specified**

Diffusion in the hyperfine-splitting experiment with muonic hydrogen

Thursday 26 January 2023 12:30 (30 minutes)

Presenter: NUBER, Jonas (PSI - Paul Scherrer Institut)

Session Classification: Session

Contribution ID: 8

Type: **not specified**

Laser System for the hyperfine splitting in muonic hydrogen

Thursday 26 January 2023 14:00 (30 minutes)

Presenter: AFFOLTER, Lukas (ETHZ - Eidgenössische Technische Hochschule Zürich)

Session Classification: Session

Contribution ID: 9

Type: **not specified**

Muonic atom spectroscopy with radioactive targets

Thursday 26 January 2023 14:30 (30 minutes)

Presenter: VOGIATZI, Stergiani Marina

Session Classification: Session

Contribution ID: 10

Type: **not specified**

Wavelength-shifting materials & liquid argon instrumentation of the neutrinoless double beta ($0\nu\beta\beta$)-decay search experiment LEGEND

Thursday 26 January 2023 15:00 (30 minutes)

Presenter: Mrs RODRIGUES ARAUJO, Gabriela (Universidade de São Paulo)

Session Classification: Session

Contribution ID: 11

Type: **not specified**

The low-background germanium counting facility Gator for high-sensitivity γ -ray spectrometry

Thursday 26 January 2023 16:00 (30 minutes)

Presenter: Mr BISMARK, Alexander (University of Zurich)

Session Classification: Session

Contribution ID: 12

Type: **not specified**

Bayesian Calibration and Sensitivity Analysis of Non-Proportional Scintillation Models for Airborne Gamma-Ray Spectrometry Applications

Thursday 26 January 2023 16:30 (30 minutes)

Presenter: BREITENMOSER, David (PSI - Paul Scherrer Institut)

Session Classification: Session

Contribution ID: 13

Type: **not specified**

Characterization of passive CMOS sensors for the HL-LHC upgrade

Thursday 26 January 2023 17:00 (30 minutes)

Presenter: GLESSGEN, Franz

Session Classification: Session

Contribution ID: **14**

Type: **not specified**

Cont 1

Contribution ID: 15

Type: **not specified**

Serial powering for the Phase 2 upgrade of the CMS pixel detector and RD53A pixel module performance

Friday 27 January 2023 09:00 (30 minutes)

Presenter: PEROVIC, Vasilije (ETH Zurich (CH))

Session Classification: Session

Contribution ID: 16

Type: **not specified**

Detection and Forecasting of particle accelerator interlocks

Friday 27 January 2023 09:30 (30 minutes)

Presenter: LI, Sichen

Session Classification: Session

Contribution ID: 17

Type: **not specified**

The High - Intensity Muon Beams (HIMB) project

Friday 27 January 2023 10:00 (30 minutes)

Presenter: DAL MASO, Giovanni

Session Classification: Session

Contribution ID: 18

Type: **not specified**

Uncertainty Quantification for Characterising Spent Nuclear Fuel

Friday 27 January 2023 11:00 (30 minutes)

Presenter: ALBA JACAS, Arnau

Session Classification: Session

Contribution ID: 19

Type: **not specified**

A muon beam of small phase space

Friday 27 January 2023 16:00 (30 minutes)

Presenter: LO SPALLUTO, Giuseppe

Session Classification: Session

Contribution ID: 20

Type: **not specified**

Low-energy nucleon structure at the precision frontier

Friday 27 January 2023 12:00 (30 minutes)

Presenter: SHARKOVSKA, Vladyslava.

Session Classification: Session

Contribution ID: 21

Type: **not specified**

Quantum machine learning for classification and anomaly detection tasks in high energy physics

Friday 27 January 2023 13:30 (30 minutes)

Presenter: BELIS, Vasilis

Session Classification: Session

Contribution ID: 22

Type: **not specified**

Antenna subtraction in colour space: automation and application to high-multiplicity processes

Friday 27 January 2023 14:00 (30 minutes)

Presenter: MARCOLI, Matteo

Session Classification: Session

Contribution ID: 23

Type: **not specified**

Status of OpenLoops at two loops

Friday 27 January 2023 14:30 (30 minutes)

Presenter: SCHÄR, Natalie (PSI)

Session Classification: Session

Contribution ID: 24

Type: **not specified**

Exploration of the physical limits for Cherenkov positron emission tomography using tiny crystals and a large cube

Friday 27 January 2023 15:30 (30 minutes)

Presenter: FOROSTENKO, Sofia (ETH Zurich (CH))

Session Classification: Session

Contribution ID: 25

Type: **not specified**

Effects of Inter-Crystal Optical Separation Layers on Unwanted Light Crosstalk and on performance Parameters of the SAFIR PET/MR Scanner

Thursday 26 January 2023 10:30 (30 minutes)

Presenter: BEBIE, Pascal Laurent (ETH Zurich (CH))

Session Classification: Session

Contribution ID: 26

Type: **not specified**

Dead Time Effects and Image Quality Evaluation at High Activities for the SAFIR Dual Ring Prototype

Friday 27 January 2023 11:30 (30 minutes)

Presenter: DEBUS, Jan (ETH Zurich)

Session Classification: Session

Contribution ID: 27

Type: **not specified**

Test of lepton flavour universality in $B^+ \rightarrow K^+ l^+ l^-$ decays in high di-lepton invariant mass squared region

Thursday 26 January 2023 09:30 (30 minutes)

Presenter: DENYSENKO, Vadym (Universitaet Zuerich (CH))

Session Classification: Session

Contribution ID: 28

Type: **not specified**

ttH production at NNLO

Friday 27 January 2023 16:30 (30 minutes)

Presenters: SAVOINI, Chiara (University of Zurich); SAVOINI, Chiara

Session Classification: Session

Contribution ID: 29

Type: **not specified**

Effects of Inter-Crystal Optical Separation Layers on Unwanted Light Crosstalk and on performance Parameters of the SAFIR PET/MR Scanner

Presenter: BEBIE, Pascal Laurent (ETH Zurich (CH))