

Zurich PhD seminar 2019

Report of Contributions

Contribution ID: 1

Type: **not specified**

The Extreme Blazar 1ES2344

Wednesday 9 October 2019 09:00 (20 minutes)

Presenter: ARBET-ENGELS, Axel

Session Classification: Session 1

Contribution ID: 2

Type: **not specified**

Hunting for B -> K tau tau imprints on the B -> K mu mu dimuon spectrum

Wednesday 9 October 2019 15:00 (20 minutes)

Presenter: CORNELLA, Claudia

Session Classification: Session 3

Contribution ID: 3

Type: **not specified**

Considerations for a caesium magnetometer array for the n2EDM experiment

Wednesday 9 October 2019 09:40 (20 minutes)

Presenter: PAIS, Duarte

Session Classification: Session 1

Contribution ID: 4

Type: **not specified**

Associated Higgs boson production via flavour tagging in NNLOJET

Wednesday 9 October 2019 10:00 (20 minutes)

Presenter: MAJER, Imre

Session Classification: Session 1

Contribution ID: 6

Type: **not specified**

ZZ and WW production at the LHC

Wednesday 9 October 2019 11:00 (20 minutes)

Presenter: YOON, JY

Session Classification: Session 2

Contribution ID: 7

Type: **not specified**

Laser System for the Measurement of the Hyperfine-Splitting in Muonic Hydrogen

Wednesday 9 October 2019 11:20 (20 minutes)

Presenter: ZEYEN, Manuel

Session Classification: Session 2

Contribution ID: 8

Type: **not specified**

Study of Future 3D Calorimetry Based on LYSO or LaBrCe Crystals for High Precision Physics

Wednesday 9 October 2019 11:40 (20 minutes)

Presenter: SCHWENDIMANN, Patrick

Session Classification: Session 2

Contribution ID: 9

Type: **not specified**

Radiation-hard Electron Monitor for ESA JUICE mission

Wednesday 9 October 2019 14:00 (20 minutes)

Presenter: SOCHA, Patryk (PSI - Paul Scherrer Institut)

Session Classification: Session 3

Contribution ID: **10**

Type: **not specified**

Search for Axion-like particles with the nEDM spectrometer at PSI

Thursday 10 October 2019 10:20 (20 minutes)

Presenter: CHIU, Pin-Jung

Session Classification: Session 5

Contribution ID: 11

Type: **not specified**

muCool: Towards a high-brightness ultra-cold positive muon beam line at PSI

Wednesday 9 October 2019 09:20 (20 minutes)

Presenter: IWAI, Ryoto (ETH Zurich)

Session Classification: Session 1

Contribution ID: 12

Type: **not specified**

Diamond pixel fabrication

Wednesday 9 October 2019 14:40 (20 minutes)

Presenter: SANZ-BECERRA, Diego

Session Classification: Session 3

Contribution ID: 14

Type: **not specified**

Measurement of the $t\bar{t}b\bar{b}$ production cross section in the all-jet final state with the CMS detector

Wednesday 9 October 2019 16:00 (20 minutes)

Presenter: MIKUNI, Vinicius

Session Classification: Session 4

Contribution ID: 15

Type: **not specified**

Angular Analysis of the $B \rightarrow K^* e e$ decay

Wednesday 9 October 2019 16:20 (20 minutes)

Presenter: WANG, Zhenzi

Session Classification: Session 4

Contribution ID: 16

Type: **not specified**

Probing New Physics with full hadronic and large missing energy signatures using the MT_2 variable in p-p collisions at $\sqrt{s} = 13$ TeV

Wednesday 9 October 2019 16:40 (20 minutes)

Presenter: LYON, Anne-Mazérine

Session Classification: Session 4

Contribution ID: 17

Type: **not specified**

ttH-> bb

Thursday 10 October 2019 09:40 (20 minutes)

Presenter: REISSEL, Christina

Session Classification: Session 5

Contribution ID: 19

Type: **not specified**

Search for dijet resonances in events with three jets in the final state from proton-proton collisions at 13 TeV

Thursday 10 October 2019 09:00 (20 minutes)

Presenter: BRZHECHKO, Danyyl

Session Classification: Session 5

Contribution ID: 20

Type: **not specified**

A 2.6 m tall TPC for the DARWIN demonstrator

Thursday 10 October 2019 09:20 (20 minutes)

Presenter: GIRARD, Frédéric

Session Classification: Session 5

Contribution ID: 21

Type: **not specified**

Towards more precise predictions for $t\bar{t}H$ and $t\bar{t}Z$ production at the LHC

Thursday 10 October 2019 10:00 (20 minutes)

Presenter: FABRE, Ignacio

Session Classification: Session 5

Contribution ID: 22

Type: **not specified**

Ultracold neutron production and extraction from the solid deuterium converter of the PSI UCN source

Wednesday 9 October 2019 12:00 (20 minutes)

Presenter: RIENÄCKER, Ingo (PSI)

Session Classification: Session 2

Contribution ID: 24

Type: **not specified**

Search for third-generation leptoquarks with CMS

Thursday 10 October 2019 15:00 (20 minutes)

Presenter: NEUTELINGS, Izaak

Session Classification: Session 7

Contribution ID: 25

Type: **not specified**

Emittance exchange by coupling resonance crossing in the SLS booster

Thursday 10 October 2019 11:30 (20 minutes)

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

Session Classification: Session 6

Contribution ID: 26

Type: **not specified**

XURICH II –First dual-phase xenon TPC with SiPM readout and its low energy calibration with ^{37}Ar

Thursday 10 October 2019 11:50 (20 minutes)

Presenter: THIEME, Kevin

Session Classification: Session 6

Contribution ID: 27

Type: **not specified**

R&D towards the muon EDM search at PSI: beam characterisation and detector studies

Thursday 10 October 2019 14:00 (20 minutes)

Presenter: SAKURAI, Mikio (ETH Zürich)

Session Classification: Session 7

Contribution ID: 28

Type: **not specified**

A multi-pass optical cavity for the HyperMu experiment

Thursday 10 October 2019 14:20 (20 minutes)

Presenter: MARSZALEK, Mirosław

Session Classification: Session 7

Contribution ID: 29

Type: **not specified**

NNLO corrections in massive QED

Thursday 10 October 2019 14:40 (20 minutes)

Presenter: ENGEL, Tim (PSI - Paul Scherrer Institut)

Session Classification: Session 7

Contribution ID: **30**

Type: **not specified**

100-micron LGAD pixel detectors with 30 ps timing resolution

Thursday 10 October 2019 11:10 (20 minutes)

Presenter: DEL BURGO, Riccardo

Session Classification: Session 6

Contribution ID: 31

Type: **not specified**

The detection system for the measurement of the hyperfine splitting in muonic hydrogen

Thursday 10 October 2019 12:10 (20 minutes)

Presenter: SINKUNAITE, Laura Paulina

Session Classification: Session 6

Contribution ID: 32

Type: **not specified**

Probing nucleus-neutrino interactions using the T2K off-axis near detector

Thursday 10 October 2019 15:20 (17 minutes)

Presenter: FUSSHOELLER, Kevin

Session Classification: Session 7

Contribution ID: 33

Type: **not specified**

Probing non-standard flavour and helicity structures in semi-leptonic B decays

Wednesday 9 October 2019 14:20 (20 minutes)

Presenter: PAGES, Julie

Session Classification: Session 3