

Probing space-time properties (LIV/NC) at HEP experiments

Report of Contributions

Contribution ID: **13**

Type: **not specified**

Discussion (all)

Contribution ID: 14

Type: **not specified**

Presentation of Lorentz-violating Standard Model Extension

Monday, May 29, 2023 9:35 AM (30 minutes)

Presenter: LEHNERT, Ralf

Session Classification: Reviews

Contribution ID: 15

Type: **not specified**

Models with non-commutative space-time geometry

Monday, May 29, 2023 10:05 AM (30 minutes)

Presenters: CIRIC, Marija Dimitrijevic; KONJIK, Nikola (University of Belgrade)

Session Classification: Reviews

Contribution ID: 16

Type: **not specified**

Search for lorentz-violation with $t\bar{t}$ at D0

Monday, May 29, 2023 11:00 AM (30 minutes)

Presenter: JUNG, Andreas Werner (Purdue University (US))

Session Classification: Reviews

Contribution ID: 17

Type: **not specified**

Searches for Lorentz-violation in DIS with ZEUS at HERA

Monday, May 29, 2023 11:30 AM (30 minutes)

Presenter: SHERRILL, Nathaniel (University of Sussex)

Session Classification: Reviews

Contribution ID: 18

Type: **not specified**

Testing Lorentz-violation and quantum-spacetime with gamma-ray-burst neutrinos and photons

Monday, May 29, 2023 12:00 PM (30 minutes)

Presenter: ROSATI, Giacomo (IFT, Wrocław University)

Session Classification: Reviews

Contribution ID: 19

Type: **not specified**

Review of the LIV constraints in b-sector from LHCb

Monday, May 29, 2023 2:20 PM (30 minutes)

Presenter: VAN VEGHEL, Maarten (Nikhef National institute for subatomic physics (NL))

Session Classification: LHC & beyond

Contribution ID: 20

Type: **not specified**

Searches for Lorentz-violation with $t\bar{t}$ at CMS

Monday, May 29, 2023 2:50 PM (30 minutes)

Presenter: CHANON, Nicolas Pierre (Centre National de la Recherche Scientifique (FR))

Session Classification: LHC & beyond

Contribution ID: 21

Type: **not specified**

Limits and projections for LIV with Drell-Yan at colliders

Monday, May 29, 2023 3:20 PM (30 minutes)

Presenter: SHERRILL, Nathaniel (University of Sussex)

Session Classification: LHC & beyond

Contribution ID: 22

Type: **not specified**

Discussion on potential NC/LIV signatures @LHC

Monday, May 29, 2023 5:10 PM (20 minutes)

Session Classification: LHC & beyond

Contribution ID: 23

Type: **not specified**

Discussion on experimental challenges in the searches for LIV/NC

Monday, May 29, 2023 4:40 PM (30 minutes)

Session Classification: LHC & beyond

Contribution ID: 24

Type: **not specified**

Discussion on common possible joint application for COST action

Monday, May 29, 2023 5:30 PM (30 minutes)

Session Classification: LHC & beyond

Contribution ID: 25

Type: **not specified**

Electromagnetic flavor-changing lepton decays from Lorentz and CPT violation

Presenter: PASSEMAR, Emilie

Session Classification: Reviews

Contribution ID: 26

Type: **not specified**

Towards LIV/NC with automated MC generator: Helicity-polarized parton scattering in MadGraph5_aMC@NLO

Monday, May 29, 2023 3:50 PM (30 minutes)

Presenter: RUIZ, Richard (Institute of Nuclear Physics (IFJ) PAN)

Session Classification: LHC & beyond

Contribution ID: 27

Type: **not specified**

Welcome

Monday, May 29, 2023 9:30 AM (5 minutes)

Presenters: JOVICEVIC, Jelena (Institute of Physics, University of Belgrade (RS)); CHANON, Nicolas Pierre (Centre National de la Recherche Scientifique (FR))

Contribution ID: 28

Type: **not specified**

Electromagnetic flavor-changing lepton decays from Lorentz and CPT violation

Monday, May 29, 2023 2:00 PM (20 minutes)

Presenter: PASSEMAR, Emilie

Session Classification: LHC & beyond