

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

Monday, May 29, 2023

LHC & beyond: Constrains from LHC measurement and phenomenology (2:00 PM - 4:20 PM)

-Conveners: Nikola Konjik

time	[id] title	presenter
2:00 PM	[28] Electromagnetic flavor-changing lepton decays from Lorentz and CPT violation	PASSEMAR, Emilie
2:20 PM	[19] Review of the LIV constraints in b-sector from LHCb	VAN VEGHEL, Maarten
2:50 PM	[20] Searches for Lorentz-violation with $t\bar{t}$ at CMS	CHANON, Nicolas Pierre
3:20 PM	[21] Limits and projections for LIV with Drell-Yan at colliders	SHERRILL, Nathaniel
3:50 PM	[26] Towards LIV/NC with automated MC generator: Helicity-polarized parton scattering in MadGraph5_aMC@NLO	RUIZ, Richard

LHC & beyond: Challenges and future developments (4:40 PM - 6:30 PM)

time	[id] title	presenter
4:40 PM	[23] Discussion on experimental challenges in the searches for LIV/NC	
5:10 PM	[22] Discussion on potential NC/LIV signatures @LHC	
5:30 PM	[24] Discussion on common possible joint application for COST action	