

Session Program

30 March 2026 to 1 April 2026

BB2026 workshop on R&D in particle physics

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

Monday 30 March

14:00

Probing space-time properties (LIV/NC) at HEP experiments: Part 1

Session | **Location:** Faculty of Physics | **Conveners:** Nicolas Pierre Chanon, Predrag Milenovic

14:00–14:30 **Phenomenology of non-commutative space-time geometry**

Speaker

Nikola Konjik

14:30–15:00

Probing for Lorenz invariance violation in $t\bar{t}$ bar processes and photon production @ LHC

Speaker

Nicolas Pierre Chanon

15:00–15:30

Probing for Lorenz invariance violation @ collider experiments and beyond

Speaker

Nathaniel Sherrill

15:30–15:45

Probing for Lorenz invariance violation in DY processes

Speaker

Jorian Benke

15:45

16:15

Probing space-time properties (LIV/NC) at HEP experiments: Part 2

Session | **Location:** Faculty of Physics | **Conveners:**
Nicolas Pierre Chanon, Jelena Jovicevic, Nikola Konjik, Tongguang Cheng

16:15–16:30 **Probing for LIV/NC effects at LHC (1)**

Speaker

Qiuping Shen

16:30–16:45 **Probing for LIV/NC effects at LHC (2)**

Speakers

Dragan Prekrat, Nikola Konjik

16:45–17:00 **Probing for LIV/NC effects at LHC (3)**

Speaker

Zhilang Wang

17:00–17:15 **Probing for LIV/NC effects at LHC (4)**

Speaker

Jelena Jovicevic

17:15–17:45 **Discussion (all)**

18:00