

**Nuclear and Atomic
Transitions as Laboratories for
High Precision Tests of
Quantum Gravity inspired
Models**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Dark matter searches with atomic clocks

Thursday, July 29, 2021 3:55 PM (20 minutes)

Presenter: DEREVIANKO, Andrei (University of Nevada Reno, US)

Session Classification: Tests of QG and NCQG, including discrete symmetries, GW and astrophysics

Contribution ID: 2

Type: **not specified**

PEP and the fate of relativistic symmetries in quantum gravity

Tuesday, July 27, 2021 3:10 PM (35 minutes)

Presenter: AMELINO-CAMELIA, Giovanni (Federico II University, Napoli)

Session Classification: Deformation of the Lorentz symmetry and PEP violations

Contribution ID: 3

Type: **not specified**

The equivalence principle and inertial-gravitational decoherence

Thursday, July 29, 2021 3:00 PM (35 minutes)

Presenter: TORRIERI, Giorgio (State University of Campinas, Brazil)

Session Classification: Tests of QG and NCQG, including discrete symmetries, GW and astrophysics

Contribution ID: 4

Type: **not specified**

Discrete symmetries and decoherence

Thursday, July 29, 2021 3:35 PM (20 minutes)

Presenter: ARZANO , Michele

Session Classification: Tests of QG and NCQG, including discrete symmetries, GW and astrophysics

Contribution ID: 5

Type: **not specified**

PEP violations in quantum gravity

Tuesday, July 27, 2021 4:05 PM (20 minutes)

Presenter: ADDAZZI, Andrea

Session Classification: Deformation of the Lorentz symmetry and PEP violations

Contribution ID: 6

Type: **not specified**

Atomic transition test of PEP as a constraint to the non-commutativity emergence scal

Tuesday, July 27, 2021 3:45 PM (20 minutes)

Presenter: PISCICCHIA, Kristian (Centro Fermi - Museo Storico della Fisica e Centro Studi e Ricerche "Enrico Fermi)

Session Classification: Deformation of the Lorentz symmetry and PEP violations