

Vienna Central European Seminar 2022

Report of Contributions

Contribution ID: 40

Type: **not specified**

Challenging the Standard Model in Neutron Decay

Thursday 24 November 2022 09:20 (40 minutes)

Presenter: MÄRKISCH, Bastian (TUM)

Session Classification: CKM Unitarity

Contribution ID: 41

Type: **not specified**

Neutron Decay Puzzle Pieces

Thursday 24 November 2022 10:00 (40 minutes)

Presenter: BAESSLER, Stefan

Session Classification: CKM Unitarity

Contribution ID: 42

Type: **not specified**

Radiative Corrections and the CKM Unitarity Puzzle

Thursday 24 November 2022 11:10 (40 minutes)

Presenter: GORSHTEYN, Misha (Mainz University)

Session Classification: CKM Unitarity

Contribution ID: 43

Type: **not specified**

Various outer radiative correction calculations to beta decays

Thursday 24 November 2022 11:50 (40 minutes)

Presenter: GLÜCK, Ferenc (KIT)

Session Classification: CKM Unitarity

Contribution ID: 44

Type: **not specified**

CKM Unitarity results from Belle and Belle II

Thursday 24 November 2022 12:30 (40 minutes)

Presenter: SCHWANDA, Christoph

Session Classification: CKM Unitarity

Contribution ID: 45

Type: **not specified**

Determination of fundamental constants / New SI

Thursday 24 November 2022 14:10 (40 minutes)

Presenter: KARSHENBOIM, Savely (LMU, MPQ, Pulkovo)

Session Classification: Fundamental Constants

Contribution ID: 46

Type: **not specified**

Penning traps for fundamental physics by the example of PENTATRAP

Thursday 24 November 2022 14:50 (40 minutes)

Presenter: ELISEEV, Sergey (Max-Planck-Institute for Nuclear Physics)

Session Classification: Fundamental Constants

Contribution ID: 47

Type: **not specified**

Discussion round

Thursday 24 November 2022 15:30 (40 minutes)

Presenter: ABELE, Hartmut

Session Classification: Fundamental Constants

Contribution ID: 48

Type: **not specified**

Sterile Neutrino Dark Matter

Friday 25 November 2022 10:50 (40 minutes)

Presenter: MERTENS, Susanne

Session Classification: Neutrinos

Contribution ID: 49

Type: **not specified**

Coherent neutrino-nucleus scattering

Friday 25 November 2022 11:30 (40 minutes)

Presenter: STRAUSS, Raimund

Session Classification: Neutrinos

Contribution ID: 50

Type: **not specified**

Dark Matter Searches with XENON: Recent Results and Future Prospects

Friday 25 November 2022 09:00 (40 minutes)

Presenter: SCHUMANN, Marc (Albert Ludwigs Universitaet Freiburg (DE))

Session Classification: Neutrino Oscillations

Contribution ID: 51

Type: **not specified**

COSINUS: Cyogenic NaI detectors for dark matter search

Friday 25 November 2022 09:40 (40 minutes)

Presenter: REINDL, Florian (Vienna University of Technology (AT))

Session Classification: Neutrino Oscillations

Contribution ID: 52

Type: **not specified**

Testing General Relativity - status and prospects

Thursday 24 November 2022 16:40 (40 minutes)

Presenter: LÄMMERZAHN, Claus (ZARM / Univ. Bremen)

Session Classification: Free fall and coupling of gravitation to QM

Contribution ID: 53

Type: **not specified**

Testing Gravity and the Dark Sector with Tabletop Metrology

Thursday 24 November 2022 17:20 (40 minutes)

Presenter: SEDMIK, René (TU Wien)

Session Classification: Free fall and coupling of gravitation to QM

Contribution ID: 54

Type: **not specified**

Exploring quantum sources of gravity: steps towards a quantum Cavendish experiment

Friday 25 November 2022 14:00 (40 minutes)

Presenter: HEPACH, Hans (IQOQI - Austrian Academy of Sciences)

Session Classification: Neutrino Oscillations

Contribution ID: 55

Type: **not specified**

Coupling quantum matter to gravity: a systematic post-Newtonian approach

Friday 25 November 2022 14:40 (40 minutes)

Presenter: SCHWARTZ, Philip (Univ. Hannover)

Session Classification: Neutrino Oscillations

Contribution ID: 56

Type: **not specified**

The gravitational field of a non-local superposition

Friday 25 November 2022 15:50 (40 minutes)

Presenter: PARANJAPE, Manu

Session Classification: Neutrino Oscillations

Contribution ID: 57

Type: **not specified**

The cosmological constant and Majorana neutrinos with an emergent Standard Model

Friday 25 November 2022 16:30 (40 minutes)

Presenter: BASS, Steven (Jagiellonian University (PL))

Session Classification: Neutrino Oscillations