

Lepton flavour change in nuclei

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction to muon -> electron conversion

Monday 14 April 2025 09:00 (1h 15m)

Presenter: KUNO, Yoshitaka (Osaka University)

Contribution ID: 2

Type: **not specified**

Density Functional Methods in Nuclear Physics

Monday 14 April 2025 11:00 (45 minutes)

Presenter: DOBACZEWSKI, Jacek (University of York)

Contribution ID: 3

Type: **not specified**

tbc (?Self-consistent muon+nucleon wavefunctions)

Monday 14 April 2025 12:00 (20 minutes)

Presenter: DOBACZEWSKI, Jacek (University of York)

Contribution ID: 4

Type: **not specified**

The effect of quadrupole deformation

Monday 14 April 2025 14:00 (45 minutes)

Presenter: CZARNECKI, Andrzej (University of Alberta)

Contribution ID: 5

Type: **not specified**

$\mu^- \rightarrow e^+ \text{ in nuclei}$

Monday 14 April 2025 15:00 (45 minutes)

Presenter: SATO, Joe

Contribution ID: 6

Type: **not specified**

Search for $\mu \rightarrow e$ conversion with COMET at J-PARC

Monday 14 April 2025 16:30 (45 minutes)

Presenter: CARLOGANU, Cristina

Contribution ID: 7

Type: **not specified**

Introduction to Nuclear Effective Theory

Tuesday 15 April 2025 11:00 (45 minutes)

Presenter: VAN KOLCK, Ubirajara (IJCLab Orsay & University of Arizona)

Contribution ID: 8

Type: **not specified**

Lepton Number Violation in Nuclear Effective Theory

Tuesday 15 April 2025 12:00 (20 minutes)

Presenter: VAN KOLCK, Ubirajara (IJCLab Orsay & University of Arizona)

Contribution ID: 9

Type: **not specified**

Introduction to chiPT

Tuesday 15 April 2025 09:00 (45 minutes)

Presenter: CIRIGLIANO, Vincenzo (Institute for Nuclear Theory, University of Washington)

Contribution ID: **10**

Type: **not specified**

tbc

Tuesday 15 April 2025 10:00 (20 minutes)

Presenter: CIRIGLIANO, Vincenzo (Institute for Nuclear Theory, University of Washington)

Contribution ID: **11**

Type: **not specified**

Calculations of various muon decays in orbit

Tuesday 15 April 2025 14:15 (45 minutes)

Presenter: UESAKA, Yuichi

Contribution ID: 12

Type: **not specified**

The effects of Quadrapole Deformations

Presenter: CZARNECKI, Andrzej (University of Alberta)

Contribution ID: 13

Type: **not specified**

$\mu \rightarrow e$ and $g-2$ in the context of vector-like leptons

Tuesday 15 April 2025 16:05 (45 minutes)

Presenter: MÖHLING, Kilian (TU Dresden)

Contribution ID: 14

Type: **not specified**

The muon as a third family lepton (zoom)

Presenter: Prof. DEANDREA, Aldo (Univ. Lyon 1)

Contribution ID: 15

Type: **not specified**

Ab initio methods for finite nuclei: an overview

Wednesday 16 April 2025 09:00 (1h 15m)

Presenter: ARTHUIS, Pierre (IJCLab Orsay, CNRS & U. Paris-Saclay, France)

Contribution ID: **16**

Type: **not specified**

Iterative linear response methods for atomic nuclei

Wednesday 16 April 2025 11:00 (1h 10m)

Presenter: KORTELAJINEN, Markus (University of Jyväskylä)

Contribution ID: 17

Type: **not specified**

Ab initio nuclear responses for mu- $\rightarrow$ e conversion

Wednesday 16 April 2025 14:00 (45 minutes)

Presenter: HEINZ, Matthias (Oak Ridge National Laboratory)

Contribution ID: **18**

Type: **not specified**

Uncertainty quantification of overlap integrals in $\mu \rightarrow e$ conversion

Wednesday 16 April 2025 15:00 (45 minutes)

Presenter: NOËL, Frederic (ITP, AEC, Uni Bern)

Contribution ID: **19**

Type: **not specified**

Tbc about 2 Higgs Doublet Models

Wednesday 16 April 2025 16:45 (45 minutes)

Presenter: CRIVELLIN, Andreas (UZH & PSI)

Contribution ID: **20**

Type: **not specified**

Muon capture helping New Physics studies

Thursday 17 April 2025 09:00 (45 minutes)

Presenter: JOKINIEMI, Lotta (TRIUMF / TU Darmstadt)

Contribution ID: 21

Type: **not specified**

Flavour Observables in FlexibleSUSY

Thursday 17 April 2025 10:25 (25 minutes)

Presenter: STOECKINGER, Dominik (TU Dresden)

Contribution ID: 22

Type: **not specified**

Charge distributions in nuclei from mean field calculations

Thursday 17 April 2025 11:00 (30 minutes)

Presenter: BENNACEUR, Karim (Université Claude Bernard Lyon 1, IP2I)

Contribution ID: 23

Type: **not specified**

Conclusion and Perspectives

Thursday 17 April 2025 11:40 (20 minutes)

Presenter: KARIM BENNACEUR, Sacha Davidson and

Contribution ID: 24

Type: **not specified**

Welcome by the ECT* Director

Monday 14 April 2025 08:45 (15 minutes)

Contribution ID: 25

Type: **not specified**

What are we trying to calculate?

Tuesday 15 April 2025 13:45 (30 minutes)

Presenter: EVERYONE