

Precise beta decay calculations for searches for new physics



Report of Contributions

Contribution ID: **1**

Type: **not specified**

Welcome

Monday 8 April 2019 10:10 (40 minutes)

Presenter: GAZIT, Doron

Contribution ID: 2

Type: **not specified**

Calculations of beta spectra

Monday 8 April 2019 11:20 (50 minutes)

Presenter: HAYEN, Leendert

Contribution ID: 3

Type: **not specified**

Searches for new physics via beta spectra

Monday 8 April 2019 12:10 (50 minutes)

Presenter: NAVILIAT-CUNCIC, Oscar

Contribution ID: 4

Type: **not specified**

Status of ab-initio calculations

Monday 8 April 2019 14:30 (50 minutes)

Presenter: GANDOLFI, Stefano

Contribution ID: 5

Type: **not specified**

TPCs for beta decays

Monday 8 April 2019 15:20 (50 minutes)

Presenter: HEN, Or

Contribution ID: 6

Type: **not specified**

Neutron and Mirror decays

Monday 8 April 2019 16:40 (50 minutes)

Presenter: YOUNG, Albert

Contribution ID: 7

Type: **not specified**

Radiative corrections: what they are and why they're important

Tuesday 9 April 2019 09:30 (40 minutes)

Presenter: Prof. RAMSEY-MUSOLF, Michael (Univ. of Massachusetts, Amherst)

Contribution ID: 8

Type: **not specified**

Radiative corrections to nuclear decays

Tuesday 9 April 2019 10:10 (40 minutes)

Presenter: GORSHTEYN, Misha

Contribution ID: 9

Type: **not specified**

Dispersive evaluation of the inner radiative correction

Tuesday 9 April 2019 11:20 (40 minutes)

Presenter: SENG, Chien Yeah

Contribution ID: **10**

Type: **not specified**

EFT approach to radiative corrections

Tuesday 9 April 2019 12:00 (40 minutes)

Presenter: ANDO, Shung-Ichi

Contribution ID: **11**

Type: **not specified**

Outlook for experiments on Vud

Tuesday 9 April 2019 14:00 (50 minutes)

Presenter: MELCONIAN, Dan

Contribution ID: **12**

Type: **not specified**

Future of radiative correction calculations

Tuesday 9 April 2019 14:50 (50 minutes)

Presenter: RAMSEY-MUSOLF, Michael

Contribution ID: 13

Type: **not specified**

Relativistic approach to beta decay

Tuesday 9 April 2019 16:10 (40 minutes)

Presenter: TAIOLI, Simone

Contribution ID: 14

Type: **not specified**

Next-to-leading order contributions

Tuesday 9 April 2019 16:50 (40 minutes)

Presenter: DE LEON, Hilla

Contribution ID: 15

Type: **not specified**

BSM searches and beta decay

Wednesday 10 April 2019 09:00 (50 minutes)

Presenter: CIRIGLIANO, Vincenzo

Contribution ID: **16**

Type: **not specified**

BSM operators in calculations for beta decay

Wednesday 10 April 2019 09:50 (50 minutes)

Presenter: SHWENK, Achim

Contribution ID: 17

Type: **not specified**

Explicit forms of operators for recoil-order corrections

Wednesday 10 April 2019 11:10 (40 minutes)

Presenter: GLICK-MAGID, Ayala

Contribution ID: **18**

Type: **not specified**

Reactor Spectra

Wednesday 10 April 2019 11:50 (40 minutes)

Presenter: HAYEN, Leendert

Contribution ID: **19**

Type: **not specified**

Nuclear-structure theory and nuclear shape corrections

Wednesday 10 April 2019 12:30 (40 minutes)

Presenter: GAZIT, Doron

Contribution ID: **20**

Type: **not specified**

Questions for the day

Thursday 11 April 2019 09:30 (20 minutes)

Contribution ID: 21

Type: **not specified**

Few-body weak captures accounting for uncertainties

Thursday 11 April 2019 09:50 (40 minutes)

Presenter: PLATTER, Lucas

Contribution ID: 22

Type: **not specified**

Many-body currents in the analysis of precision experiments

Thursday 11 April 2019 15:20 (40 minutes)

Presenter: PASTORE, Saori

Contribution ID: 23

Type: **not specified**

Coupled-cluster plus LIT for beta decay

Thursday 11 April 2019 11:40 (40 minutes)

Presenter: BACCA, Sonia

Contribution ID: 24

Type: **not specified**

Electroweak reactions on the deuteron

Thursday 11 April 2019 12:20 (20 minutes)

Presenter: ACHARYA, Bijaya

Contribution ID: 25

Type: **not specified**

Beta decay with the valence-space IMSRG — what works, what doesn't and what kind of precision can we expect?

Thursday 11 April 2019 14:00 (40 minutes)

Presenter: STROBERG, Ragnar

Contribution ID: 26

Type: **not specified**

Coupled cluster calculations of beta decays

Thursday 11 April 2019 11:00 (40 minutes)

Presenter: HAGEN, Gaute

Contribution ID: 27

Type: **not specified**

Shell-model calculations taking uncertainties into account

Thursday 11 April 2019 14:40 (40 minutes)

Presenter: MENENDEZ, Javier

Contribution ID: 28

Type: **not specified**

Large-scale diagonalization and low-momentum scales of finite nuclei

Thursday 11 April 2019 16:30 (40 minutes)

Presenter: FORSSEN, Christian

Contribution ID: 29

Type: **not specified**

Bayesian uncertainties

Friday 12 April 2019 09:40 (40 minutes)

Presenter: PHILLIPS, Daniel

Contribution ID: **30**

Type: **not specified**

UQ Q&A

Friday 12 April 2019 10:20 (20 minutes)

Contribution ID: **31**

Type: **not specified**

Beta decays with traps

Friday 12 April 2019 11:10 (50 minutes)

Presenter: RON, Guy

Contribution ID: 32

Type: **not specified**

Overview and future of BSM calculations, neutrino-less 2b, WIMPS

Friday 12 April 2019 12:00 (50 minutes)

Presenter: ENGEL, Jonathan

Contribution ID: 33

Type: **not specified**

Summary and next steps

Friday 12 April 2019 12:50 (30 minutes)

Presenter: GAZIT, Doron

Contribution ID: **34**

Type: **not specified**

Reception