

OMC4DBD_General_collaboration_m

Report of Contributions

Contribution ID: **1**

Type: **not specified**

Welcome

Monday 22 May 2023 10:00 (15 minutes)

Presenter: ZINATULINA, Daniya (Russian)

Contribution ID: 2

Type: **not specified**

Open discussion

Monday 22 May 2023 17:00 (1 hour)

Schedule discussion and contributions of the groups

Contribution ID: 3

Type: **not specified**

Registration

Monday 22 May 2023 09:30 (30 minutes)

Pay the conference fee and obtain certificate of attendance.

Author: MONDRAGON, Elizabeth

Presenter: MONDRAGON, Elizabeth

Contribution ID: 4

Type: **not specified**

Improved muon-capture calculations in light and heavy nuclei

Presenter: Mrs JOIKINIEMI, Lotta

Contribution ID: 5

Type: **not specified**

Closing, open discussion, Q&A, discussion about publication

Tuesday 23 May 2023 17:00 (1 hour)

Presenter: ZINATULINA, Daniya (Russian)

Contribution ID: 7

Type: **not specified**

Hardware for OMC4DBD

trigger counters, target's

Author: SHEVCHIK, Egor (Russia)

Presenters: SHEVCHIK, Egor (Russia); KAZARTSEV, Sergey (JINR)

Session Classification: 2022 campaign at PSI

Contribution ID: 8

Type: **not specified**

Ge detector array

HPGe detectors used in 2021

Author: GUSEV, Konstantin (Joint Institute for Nuclear Research)

Presenters: GUSEV, Konstantin (Joint Institute for Nuclear Research); RUMYANTSEVA, Nadezda (Jinr)

Session Classification: 2022 campaign at PSI

Contribution ID: 9

Type: **not specified**

Ge detector's characterization

Author: MONDRAGON, Elizabeth (TUM)**Presenter:** MONDRAGON, Elizabeth (TUM)**Session Classification:** 2022 campaign at PSI

Contribution ID: **10**Type: **not specified**

Trigger scheme and DAQ

Presenters: ZHITNIKOV, Igor (JINR); VOGIATZYY, Stella Maria (PSI)

Session Classification: 2022 campaign at PSI

Contribution ID: **11**Type: **not specified**

Off-line measurements in 2021

Presenter: BELOV, Vyacheslav (JINR)**Session Classification:** 2021 and 2022 data analysis

Contribution ID: 12

Type: **not specified**

MIDAS data analysis status overview

*Monday 22 May 2023 15:30 (1 hour)***Presenter:** ZHITNIKOV, Igor (JINR)**Session Classification:** 2021 and 2022 data analysis

Contribution ID: 13

Type: **not specified**

ALPACA Dead-time

Tuesday 23 May 2023 12:15 (20 minutes)

FADC & server setup, trigger scheme, raw data format

Presenter: SCHWARZ, Mario (TUM)**Session Classification:** Online analysis

Contribution ID: 14

Type: **not specified**

Overview of ALPACA data and current status

Tuesday 23 May 2023 12:00 (15 minutes)

Total capture rates for the Se-76 will be prrsented

Presenter: BOSSIO, Elisabetta (Technical University Munich)

Session Classification: Online analysis

Contribution ID: 15

Type: **not specified**

Update on efficiency analysis

Presenter: MONDRAGON, Elizabeth (TUM)

Contribution ID: **16**

Type: **not specified**

Stability analysis

Presenter: BAJPAI, Dhanurdhar

Contribution ID: **18**

Type: **not specified**

OMC4DBD measurements in 2021 at PSI

Short introduction, planning, beam-time schedule.

Author: ZINATULINA, Daniya (Russian)

Presenter: ZINATULINA, Daniya (Russian)

Session Classification: 2022 campaign at PSI

Contribution ID: 19

Type: **not specified**

Proton-Neutron Emission Model for Neutrino Nuclear Response

Author: HASHIM, Izyan Hazwani (UTM)**Presenter:** HASHIM, Izyan Hazwani (UTM)**Session Classification:** 2021 data analysis

Contribution ID: 20

Type: **not specified**

Yield of RI from delayed gamma-ray measurement

Author: OTHMAN, Faiznur

Presenter: OTHMAN, Faiznur

Session Classification: 2021 data analysis

Contribution ID: 21

Type: **not specified**

Muon strength distribution for double beta decay and supernova neutrino

Presenter: EJIRI, Hiro (RCNP)

Contribution ID: 22

Type: **not specified**

Ordinary Muon Capture Delayed Gamma Ray Analysis for Double Beta Decay (DBDs) and Antineutrino Nuclear Response

*Tuesday 23 May 2023 10:00 (30 minutes)***Presenter:** HASHIM, Izyan Hazwani (UTM)

Contribution ID: 23

Type: **not specified**

Efficiency and energy calibration

Presenter: RUMYANTSEVA, Nadezda (Jinr)**Session Classification:** 2021 and 2022 data analysis

Contribution ID: 24

Type: **not specified**

Total capture rates

Presenter: SHITOV, Yuri (JINR)**Session Classification:** 2021 and 2022 data analysis

Contribution ID: 25

Type: **not specified**

Experimental setup in 2023 @ PSI

*Monday 22 May 2023 12:30 (1 hour)***Presenter:** KNECHT, Andreas (Paul Scherrer Institut)

Contribution ID: 26

Type: **not specified**

Off-line measurements at PSI

Presenter: BELOV, Vyacheslav (JINR)**Session Classification:** 2022 campaign at PSI

Contribution ID: 27

Type: **not specified**

Long-lived gamma rays from ordinary muon capture reaction on ^{136}Ba for isotope detection

Session Classification: Online analysis

Contribution ID: 28

Type: **not specified**

Comments to previous talk: Ordinary Muon Capture Delayed Gamma Ray Analysis for Double Beta Decay (DBDs) and Antineutrino Nuclear Response

*Tuesday 23 May 2023 10:30 (30 minutes)***Presenter:** Prof. HIRO, Ejiri (RCNP)

Contribution ID: 29

Type: **not specified**

Nuclear gamma rays from ordinary muon capture reaction on ^{100}Mo for astroantineutrino responses

Presenter: Prof. HIRO, Ejiri (RCNP)

Contribution ID: 30

Type: **not specified**

The Ba-136 NME calculations

Presenter: Prof. SUHONEN, Jouni

Contribution ID: 31

Type: **not specified**

Barium peak identification and MIDAS data analysis

*Monday 22 May 2023 15:00 (30 minutes)***Presenter:** ARAUJO, Gabriela Rodrigues (UZH)**Session Classification:** 2021 and 2022 data analysis

Contribution ID: 32

Type: **not specified**

2021 offline data analysis: Ba-136

*Tuesday 23 May 2023 11:00 (30 minutes)***Presenter:** ZHENG WEI, Ng

Contribution ID: 33

Type: **not specified**

Barium peak identification and MIDAS data analysis

*Wednesday 24 May 2023 10:00 (1 hour)***Author:** ARAUJO, Gabriela Rodrigues (UZH)**Presenter:** ARAUJO, Gabriela Rodrigues (UZH)

Contribution ID: 34

Type: **not specified**

Partial muon capture rates for the 0n2b

*Wednesday 24 May 2023 11:00 (30 minutes)***Presenter:** ZINATULINA, Daniya (Russian)

Contribution ID: 35

Type: **not specified**

MIDAS discussion

Wednesday 24 May 2023 12:00 (1h 30m)

Presenters: ZINATULINA, Daniya (Russian); ZHITNIKOV, Igor (JINR); FOMINA, Maria (JINR); RUMYANTSEVA, Nadezda (Jinr); BELOV, Vyacheslav (JINR)

Contribution ID: 36

Type: **not specified**

ALPACA discussion

Wednesday 24 May 2023 14:30 (1h 15m)

Presenters: BAJPAI, Dhanurdhar; BOSSIO, Elisabetta (Technical University Munich); MONDRAGON, Elithabeth (TUM); MONDRAGON, Elizabeth (TUM); SCHWARZ, Mario (TUM)

Contribution ID: 37

Type: **not specified**

Publication discussion

Contribution ID: **38**Type: **not specified**

2022 PSI measurements

Presenter: SHEVCHIK, Egor (Russia)

Contribution ID: 39

Type: **not specified**

Measurements at PSI in 2022

*Monday 22 May 2023 10:15 (25 minutes)***Presenter:** SHEVCHIK, Egor (Russia)**Session Classification:** 2022 campaign at PSI

Contribution ID: 40

Type: **not specified**

Grafana app. for the logbook of the data

*Monday 22 May 2023 10:40 (20 minutes)***Presenter:** SHEVCHIK, Egor (Russia)**Session Classification:** 2022 campaign at PSI

Contribution ID: 41

Type: **not specified**

Invited Speaker

Wednesday 24 May 2023 17:00 (1 hour)

Prof. Javier Menéndez will give a remote talk on OMC for 0nbb during our MONUMENT

Author: Prof. MENÉNDEZ, Javier (ICCUB)

Presenter: Prof. MENÉNDEZ, Javier (ICCUB)

Contribution ID: 42

Type: **not specified**

Preparation for the upcoming beamtime @ PSI in 2023

*Monday 22 May 2023 12:00 (30 minutes)***Presenter:** ZINATULINA, Daniya (Russian)

Contribution ID: 43

Type: **not specified**

ALPACA Stability analysis

*Tuesday 23 May 2023 12:35 (30 minutes)***Presenter:** BAJPAI, Dhanurdhar**Session Classification:** Online analysis

Contribution ID: 44

Type: **not specified**

Efficiency and Partial Capture Rates

*Tuesday 23 May 2023 15:00 (45 minutes)***Presenter:** MONDRAGON, Elizabeth (TUM)**Session Classification:** Online analysis

Contribution ID: 45

Type: **not specified**

Total Capture Rates

*Tuesday 23 May 2023 15:45 (45 minutes)***Presenter:** BOSSIO, Elisabetta**Session Classification:** Online analysis

Contribution ID: 46

Type: **not specified**

Lotta Jokiniemi

Wednesday 24 May 2023 16:00 (1 hour)

Updates on Ba136 paper