

Meeting of the n_TOF Collaboration

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome & Introduction

Monday 3 June 2024 14:00 (5 minutes)

Presenter: MENGONI, Alberto (ENEA & INFN, Bologna)

Session Classification: Session 1

Contribution ID: 2

Type: **not specified**

Facility status

Monday 3 June 2024 14:35 (15 minutes)

Presenter: ABERLE, Oliver (CERN)

Session Classification: Session 1

Contribution ID: 3

Type: **not specified**

Run 2024

Monday 3 June 2024 15:00 (15 minutes)

Presenter: BACAK, Michael (University of Manchester (GB))

Session Classification: Session 1

Contribution ID: 4

Type: **not specified**

Physics programme

Monday 3 June 2024 14:50 (10 minutes)

Presenter: MILAZZO, Paolo Maria (Universita e INFN Trieste (IT))

Session Classification: Session 1

Contribution ID: 5

Type: **not specified**

EAR1 & EAR2 beams from the 2021 commissioning

Monday 3 June 2024 16:30 (10 minutes)

Presenter: BACAK, Michael (University of Manchester (GB))

Session Classification: Session 2

Contribution ID: 6

Type: **not specified**

Status of the $^{243}\text{Am}(\text{n},\text{f})$ analysis

Tuesday 4 June 2024 09:00 (20 minutes)

Presenter: KYRITSIS, Nikolaos (National Technical Univ. of Athens (GR))

Session Classification: Session 3

Contribution ID: 7

Type: **not specified**

$^{239}\text{Pu}(\text{n},\text{f})$ and (n,γ)

Monday 3 June 2024 17:20 (10 minutes)

Presenter: SANCHEZ CABALLERO, Adrian (CIEMAT - Centro de Investigaciones Energéticas Medioambientales y Tec. (ES))

Session Classification: Session 2

Contribution ID: 8

Type: **not specified**

Status and first results of the High precision $^{209}\text{Bi}(n,\gamma)$ cross section at n_TOF EAR2

Tuesday 4 June 2024 11:20 (15 minutes)

Presenter: Mr DE LA FUENTE ROSALES, Gabriel (Instituto de Física Corpuscular (IFIC), CSIC)

Session Classification: Session 4

Contribution ID: 9

Type: **not specified**

$^{146}\text{Nd}(n,\gamma)$

Monday 3 June 2024 14:20 (15 minutes)

Presenter: BERNARDINO GAMEIRO, Bernardo (Univ. of Valencia and CSIC (ES))

Session Classification: Session 1

Contribution ID: **10**

Type: **not specified**

$^{28,29,30}\text{Si}(n,\gamma)$: preliminary results

Monday 3 June 2024 15:15 (10 minutes)

Presenter: SPELTA, Michele (Universita e INFN Trieste (IT))

Session Classification: Session 1

Contribution ID: 12

Type: **not specified**

Mo-94, Mo-95 and Mo-96 capture

Monday 3 June 2024 16:40 (10 minutes)

Presenter: MUCCIOLA, Riccardo (Universita e INFN, Bari (IT))

Session Classification: Session 2

Contribution ID: 13

Type: **not specified**

Status of the $^{68}\text{Zn}(n,\gamma)$ reaction measurement analysis

Monday 3 June 2024 16:50 (10 minutes)

Presenter: ROONEY, Annie (The University of Edinburgh (GB))

Session Classification: Session 2

Contribution ID: **14**

Type: **not specified**

$^{50,53}\text{Cr}(n,\gamma)$ at EAR1

Monday 3 June 2024 17:00 (10 minutes)

Presenter: PEREZ MAROTO, Pablo (Universidad de Sevilla)

Session Classification: Session 2

Contribution ID: 15

Type: **not specified**

Measurement of the $Ta(n,\gamma)$ and $Er(n,\gamma)$ cross-sections at EAR1

Monday 3 June 2024 17:10 (10 minutes)

Presenter: ALCAYNE AICUA, Victor (CIEMAT (Spain))

Session Classification: Session 2

Contribution ID: 16

Type: **not specified**

Annular Silicon Detector: Innovative PSD techniques for particle identification utilizing a C-12 target

Tuesday 4 June 2024 09:40 (20 minutes)

Presenter: GOULA, Styliani (University of Ioannina (GR))

Session Classification: Session 3

Contribution ID: 17

Type: **not specified**

Perspectives of (n,n' γ) reaction at n_TOF

Tuesday 4 June 2024 11:35 (20 minutes)

Presenters: PETRONE, Cristina (Horia Hulubei National Institute of Physics and Nuclear Engineering (RO)); BIRCH, Matthew James (University of Manchester (GB))

Session Classification: Session 4

Contribution ID: **18**

Type: **not specified**

Silicon detector test in the neutron beam

Tuesday 4 June 2024 10:00 (10 minutes)

Presenter: GAWLIK-RAMIEGA, Aleksandra Anna (University of Lodz (PL))

Session Classification: Session 3

Contribution ID: 19

Type: **not specified**

Characterization of neutron detectors for nuclear fragmentation measurements

Tuesday 4 June 2024 10:10 (10 minutes)

Presenter: ZARRELLA, Roberto

Session Classification: Session 3

Contribution ID: 22

Type: **not specified**

Update on NEAR Station activities

Wednesday 5 June 2024 10:10 (20 minutes)

Presenter: GARCIA INFANTES, Francisco (n_TOF)

Session Classification: Session 5

Contribution ID: 23

Type: **not specified**

Update on the NEAR station flux determination

Wednesday 5 June 2024 09:50 (20 minutes)

Presenters: Dr MASTROMARCO, Mario (European Organization for Nuclear Research (CERN)); COLONNA, Nicola (Universita e INFN, Bari (IT))

Session Classification: Session 5

Contribution ID: 24

Type: **not specified**

Simulations for the NEAR Station beam moderator

Wednesday 5 June 2024 09:30 (20 minutes)

Presenters: STANKUNAS, Gediminas; MENGONI, Alberto (ENEA & INFN, Bologna)

Session Classification: Session 5

Contribution ID: 25

Type: **not specified**

Updates on the MArEX initiative

Tuesday 4 June 2024 12:15 (15 minutes)

Presenters: MENGONI, Alberto (ENEA & INFN, Bologna); ET AL.

Session Classification: Session 4

Contribution ID: 26

Type: **not specified**

Updates on the X17 experiment

Tuesday 4 June 2024 11:55 (20 minutes)

Presenter: GUSTAVINO, Carlo (INFN - National Institute for Nuclear Physics)

Session Classification: Session 4

Contribution ID: 27

Type: **not specified**

Discussion of the FUTURA working groups

Wednesday 5 June 2024 11:20 (1 hour)

Session Classification: Session 5

Contribution ID: **28**

Type: **not specified**

AOB

Wednesday 5 June 2024 12:20 (30 minutes)

Session Classification: Session 5

Contribution ID: 29

Type: **not specified**

Discussion

Monday 3 June 2024 17:50 (30 minutes)

Session Classification: Session 2

Contribution ID: 30

Type: **not specified**

Status of the Diamond Detector Measurements at NEAR (DEAR)

Tuesday 4 June 2024 09:20 (20 minutes)

Presenter: KAPERONI, Kalliopi (National Technical Univ. of Athens (GR))

Session Classification: Session 3

Contribution ID: **32**

Type: **not specified**

Local Team daily meeting

Wednesday 5 June 2024 09:15 (15 minutes)

Session Classification: Session 5

Contribution ID: 33

Type: **not specified**

Validation of the Legnaro-C6D6 detectors with the new PMT for capture measurements at EAR1 until at least 1 MeV

Tuesday 4 June 2024 10:20 (20 minutes)

Presenter: ALCAYNE AICUA, Victor (CIEMAT (Spain))

Session Classification: Session 3

Contribution ID: **34**

Type: **not specified**

SYCL

Tuesday 4 June 2024 12:30 (10 minutes)

Presenter: BERNARDINO GAMEIRO, Bernardo (Univ. of Valencia and CSIC (ES))

Session Classification: Session 4

Contribution ID: 35

Type: **not specified**

Update and final settling of the Zr-88 neutron capture measurement

Monday 3 June 2024 14:05 (15 minutes)

Presenters: MOLDENHAUER, Jacob (University of Dallas); FLANAGAN, Will (University of Dallas (US))

Session Classification: Session 1

Contribution ID: 36

Type: **not specified**

$^{35}\text{Cl}(\text{n,p})$ cross-section measurement in EAR2: analysis progress

Monday 3 June 2024 17:30 (10 minutes)

Presenter: MARTINEZ CANADAS, Marco Antonio (Universidad de Granada (ES))

Session Classification: Session 2

Contribution ID: 37

Type: **not specified**

Performance of the small LiGlass detector

Tuesday 4 June 2024 11:10 (10 minutes)

Presenter: BACAK, Michael (University of Manchester (GB))

Session Classification: Session 4

Contribution ID: **38**

Type: **not specified**

A new measurement of the Fe56(n,g) cross section at EAR1

Wednesday 5 June 2024 10:50 (15 minutes)

Presenters: CASANOVAS HOSTE, Adria (Universitat Politecnica Catalunya (ES)); ET AL.

Session Classification: Session 5

Contribution ID: 39

Type: **not specified**

Test of a neutron camera component of the future neutrino experiment of the ESS at NEL

Wednesday 5 June 2024 11:05 (15 minutes)

Presenters: ZERZION, Daniel Ruben (Donostia International Physics Center (DIPC) (ES)); COLLAR COLMENERO, Juan

Session Classification: Session 5