

XIV FOOT Collaboration Meeting



Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome Address

Monday, 5 June 2023 14:30 (10 minutes)

Primary author: MURARO, Silvia (Istituto Nazionale di Fisica Nucleare)

Co-author: BATTISTONI, Giuseppe (Istituto Nazionale di Fisica Nucleare)

Presenters: BATTISTONI, Giuseppe (Istituto Nazionale di Fisica Nucleare); MURARO, Silvia (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 1: Introduction

Contribution ID: 2

Type: **not specified**

The status of FOOT

Monday, 5 June 2023 14:40 (20 minutes)

Presenter: VILLA, Mauro (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 1: Introduction

Contribution ID: 3

Type: **not specified**

Invited talk: Biological impact of proton target fragments: where do we stand

Monday, 5 June 2023 15:00 (45 minutes)

Presenter: SCIFONI, Emanuele

Session Classification: Session 1: Introduction

Contribution ID: 4

Type: **not specified**

VTX-ITX Status

Monday, 5 June 2023 16:40 (20 minutes)

Presenter: Mr SPIRITI, Eleuterio (LNF)

Session Classification: Session 3: Detector/Mechanics I

Contribution ID: 5

Type: **not specified**

DAQ Status

Monday, 5 June 2023 17:40 (20 minutes)

Presenter: Mr RIDOLFI, Riccardo (BO)

Session Classification: Session 3: Detector/Mechanics I

Contribution ID: 6

Type: **not specified**

Status of magnet construction

Monday, 5 June 2023 17:00 (20 minutes)

Presenter: VILLA, Mauro (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 3: Detector/Mechanics I

Contribution ID: 7

Type: **not specified**

Status of MSD Mechanics

Presenter: SILVESTRE, Gianluigi (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 3: Detector/Mechanics I

Contribution ID: 8

Type: **not specified**

Status of Calorimeter construction

Presenter: CERELLO, Piergiorgio (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 3: Detector/Mechanics I

Contribution ID: 9

Type: **not specified**

Update of NIT Emulsion Pilot Test

Monday, 5 June 2023 17:20 (20 minutes)

Presenter: BOCCIA, Vincenzo (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 3: Detector/Mechanics I

Contribution ID: **10**

Type: **not specified**

Status of Calorimeter construction

Tuesday, 6 June 2023 09:50 (20 minutes)

Presenter: CERELLO, Piergiorgio (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 4: Detector/Mechanics II

Contribution ID: 11

Type: **not specified**

Update on new source at CNAO

Tuesday, 6 June 2023 09:15 (15 minutes)

Presenter: PULLIA, Marco (CNAO)

Session Classification: Session 4: Detector/Mechanics II

Contribution ID: 12

Type: **not specified**

Low intensity Beam Monitor at CNAO

Tuesday, 6 June 2023 09:00 (15 minutes)

Presenter: TRAINI, Giacomo (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 4: Detector/Mechanics II

Contribution ID: 13

Type: **not specified**

Status of table mechanics

Tuesday, 6 June 2023 09:30 (20 minutes)

Presenter: MOGGI, Andrea (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 4: Detector/Mechanics II

Contribution ID: 14

Type: **not specified**

Neutron measurements

Monday, 5 June 2023 15:45 (20 minutes)

Presenter: MANNA, Alice

Session Classification: Session 1: Introduction

Contribution ID: 15

Type: **not specified**

Beam Monitor updates

Presenter: DONG, Yunsheng (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 4: Detector/Mechanics II

Contribution ID: **16**

Type: **not specified**

Software report

Tuesday, 6 June 2023 11:00 (20 minutes)

Presenter: Dr FINCK, Christian (IPHC)

Session Classification: Session 5: Software/Analysis

Contribution ID: 17

Type: **not specified**

MSD analysis update

Tuesday, 6 June 2023 17:15 (20 minutes)

Presenter: SILVESTRE, Gianluigi (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 7: Physics/Analysis II

Contribution ID: **18**

Type: **not specified**

FOOT Simulation summary

Tuesday, 6 June 2023 11:40 (20 minutes)

Presenter: MURARO, Silvia (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 5: Software/Analysis

Contribution ID: 19

Type: **not specified**

Analysis status and strategy

Tuesday, 6 June 2023 14:00 (30 minutes)

Presenter: TOPPI, Marco

Session Classification: Session 6: Physics/Analysis I

Contribution ID: 20

Type: **not specified**

Alpha clustering: results at low energy from FOOT competitors

Wednesday, 7 June 2023 09:00 (20 minutes)

Primary author: BATTISTONI, Giuseppe (Istituto Nazionale di Fisica Nucleare)

Co-author: MURARO, Silvia (Istituto Nazionale di Fisica Nucleare)

Presenters: BATTISTONI, Giuseppe (Istituto Nazionale di Fisica Nucleare); MURARO, Silvia (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 8: Physics/Analysis III

Contribution ID: 21

Type: **not specified**

Beam Monitor Tracking

Tuesday, 6 June 2023 11:20 (20 minutes)

Presenter: DONG, Yunsheng (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 5: Software/Analysis

Contribution ID: 22

Type: **not specified**

TW calibration for CNAO2022

Tuesday, 6 June 2023 16:10 (20 minutes)

Presenter: KRAAN, Aafke Christine (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 7: Physics/Analysis II

Contribution ID: 23

Type: **not specified**

TW calibration for HIT2022

Tuesday, 6 June 2023 15:50 (20 minutes)

Presenter: MINNITI, Triestino (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 7: Physics/Analysis II

Contribution ID: 24

Type: **not specified**

Discussion

Tuesday, 6 June 2023 17:35 (30 minutes)

Session Classification: Session 7: Physics/Analysis II

Contribution ID: 25

Type: **not specified**

GSI2021 Analysis performance updates

Tuesday, 6 June 2023 14:50 (15 minutes)

Presenters: UBALDI, Giacomo (Istituto Nazionale di Fisica Nucleare); FRANCHINI, Matteo (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 6: Physics/Analysis I

Contribution ID: 26

Type: **not specified**

GSI2021 Analysis 2

Session Classification: Session 7: Physics/Analysis II

Contribution ID: 27

Type: **not specified**

Vertex reconstruction performances

Tuesday, 6 June 2023 14:30 (20 minutes)

Presenters: Dr FINCK, Christian (IPHC); UBALDI, Giacomo (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 6: Physics/Analysis I

Contribution ID: 28

Type: **not specified**

Calorimeter Calibration

Tuesday, 6 June 2023 16:55 (20 minutes)

Presenter: VALETTI, Alessandro (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 7: Physics/Analysis II

Contribution ID: 29

Type: **not specified**

GSI2019 Cross section measurement

Wednesday, 7 June 2023 09:35 (20 minutes)

Presenter: GALATI, Giuliana (Università di Bari Aldo Moro)

Session Classification: Session 8: Physics/Analysis III

Contribution ID: 30

Type: **not specified**

Momentum evaluation with nuclear emulsion spectrometers

Wednesday, 7 June 2023 09:55 (20 minutes)

Primary author: LORUSSO, Giovanni (Istituto Nazionale di Fisica Nucleare)

Co-author: GALATI, Giuliana (Istituto Nazionale di Fisica Nucleare)

Presenters: LORUSSO, Giovanni (Istituto Nazionale di Fisica Nucleare); GALATI, Giuliana (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 8: Physics/Analysis III

Contribution ID: **31**

Type: **not specified**

Discussion

Session Classification: Session 8: Physics/Analysis III

Contribution ID: 32

Type: **not specified**

Near and far future of FOOT

Wednesday, 7 June 2023 11:20 (20 minutes)

Presenters: VILLA, Mauro (Istituto Nazionale di Fisica Nucleare); CERELLO, Piergiorgio (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 9: Reports and Final Remarks

Contribution ID: 33

Type: **not specified**

Editorial Board Report

Wednesday, 7 June 2023 11:00 (20 minutes)

Presenters: KRAAN, Aafke Christine (Istituto Nazionale di Fisica Nucleare); LAURIA, Adele (Istituto Nazionale di Fisica Nucleare); Dr VANSTALLE, Marie (IPHC-CNRS)

Session Classification: Session 9: Reports and Final Remarks

Contribution ID: **34**

Type: **not specified**

IB Report

Wednesday, 7 June 2023 11:40 (20 minutes)

Presenter: VILLA, Mauro (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 9: Reports and Final Remarks

Contribution ID: 35

Type: **not specified**

AOB/Discussion

Wednesday, 7 June 2023 12:00 (20 minutes)

Session Classification: Session 9: Reports and Final Remarks

Contribution ID: **36**

Type: **not specified**

To be announced

Session Classification: Session 5: Software/Analysis

Contribution ID: 37

Type: **not specified**

General discussion about MC and software improvements

Tuesday, 6 June 2023 12:00 (30 minutes)

Session Classification: Session 5: Software/Analysis

Contribution ID: **38**

Type: **not specified**

To be announced

Session Classification: Session 5: Software/Analysis

Contribution ID: 39

Type: **not specified**

MSD analysis update

Presenter: SILVESTRE, Gianluigi (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 2: Detector/Mechanics I

Contribution ID: 40

Type: **not specified**

GSI2021 Analysis without tracking

Tuesday, 6 June 2023 15:05 (15 minutes)

Presenter: RIDOLFI, Riccardo (BO)

Session Classification: Session 6: Physics/Analysis I

Contribution ID: 41

Type: **not specified**

Discussion

Tuesday, 6 June 2023 10:10 (20 minutes)

Session Classification: Session 4: Detector/Mechanics II

Contribution ID: 42

Type: **not specified**

Energy thresholds for TW

Tuesday, 6 June 2023 16:30 (15 minutes)

Presenter: MORROCCHI, MATTEO (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 7: Physics/Analysis II

Contribution ID: 43

Type: **not specified**

Update on TW position calibration

Tuesday, 6 June 2023 16:45 (10 minutes)

Presenter: ZARRELLA, Roberto (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 7: Physics/Analysis II

Contribution ID: 44

Type: **not specified**

Alpha Clustering Fragmentation analysis for CNAO2021 data: further MC investigation

Wednesday, 7 June 2023 09:20 (15 minutes)

Primary author: BATTISTONI, Giuseppe (Istituto Nazionale di Fisica Nucleare)

Co-authors: KRAAN, Aafke Christine (Istituto Nazionale di Fisica Nucleare); MURARO, Silvia (Istituto Nazionale di Fisica Nucleare)

Presenters: KRAAN, Aafke Christine (Istituto Nazionale di Fisica Nucleare); BATTISTONI, Giuseppe (Istituto Nazionale di Fisica Nucleare); MURARO, Silvia (Istituto Nazionale di Fisica Nucleare)

Session Classification: Session 8: Physics/Analysis III

Contribution ID: 45

Type: **not specified**

Discussion

Wednesday, 7 June 2023 10:15 (15 minutes)

Session Classification: Session 8: Physics/Analysis III