

11th SHiP Collaboration Meeting

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction

Wednesday, 7 June 2017 09:00 (15 minutes)

Presenter: GOLUTVIN, Andrei (Imperial College London)

Contribution ID: 2

Type: **not specified**

Physics Beyond Collider status and news

Wednesday, 7 June 2017 09:15 (20 minutes)

Presenter: LAMONT, Mike (CERN)

Session Classification: Facility

Contribution ID: 3

Type: **not specified**

Extraction and beam delivery

Wednesday, 7 June 2017 09:40 (25 minutes)

Presenter: HESSLER, Christoph (CERN)

Session Classification: Facility

Contribution ID: 4

Type: **not specified**

Target and target complex

Wednesday, 7 June 2017 10:10 (25 minutes)

Presenter: CALVIANI, Marco (CERN)

Session Classification: Facility

Contribution ID: 5

Type: **not specified**

Radiological protection studies

Wednesday, 7 June 2017 11:00 (20 minutes)

Presenter: CASOLINO, Mirkoantonio (CERN)

Session Classification: Detector

Contribution ID: 6

Type: **not specified**

Detector safety

Session Classification: Detector

Contribution ID: 7

Type: **not specified**

Magnetization of hadron stopper

Wednesday, 7 June 2017 11:25 (20 minutes)

Presenter: GILLEY, Geoff (STFC)

Session Classification: Detector

Contribution ID: 8

Type: **not specified**

Muon shield and acceptance

Wednesday, 7 June 2017 11:50 (20 minutes)

Presenter: LANTWIN, Oliver (Imperial College (GB))

Session Classification: Detector

Contribution ID: 9

Type: **not specified**

Decay volume

Wednesday, 7 June 2017 16:40 (20 minutes)

Presenters: PROTA, Andrea (University of Naples "Federico II"); PROTA, Andrea

Session Classification: Detector

Contribution ID: **10**

Type: **not specified**

Current status of the nu_tau/LDM detector

Wednesday, 7 June 2017 14:00 (20 minutes)

Presenter: DE LELLIS, Giovanni (Universita e INFN, Napoli (IT))

Session Classification: Detector

Contribution ID: 11

Type: **not specified**

Studies of the nu_tau/LDM target with and without magnetic field

Wednesday, 7 June 2017 14:25 (20 minutes)

Presenter: BUONAURA, Annarita (Universita e INFN, Napoli (IT))

Session Classification: Detector

Contribution ID: 12

Type: **not specified**

Future test beam activities of the nu_tau/LDM detector

Wednesday, 7 June 2017 15:10 (20 minutes)

Presenters: TIOUKOV, Valeri (Universita e INFN, Napoli (IT)); TIOUKOV, Valeri (INFN NAPOLI)

Session Classification: Detector

Contribution ID: 13

Type: **not specified**

RPC as course tracker for the upstream muon spectrometer

Wednesday, 7 June 2017 16:00 (15 minutes)

Presenter: SIMONE, Saverio (Universita e INFN, Bari (IT))

Session Classification: Detector

Contribution ID: 14

Type: **not specified**

Surround Background Tagger status

Wednesday, 7 June 2017 16:20 (15 minutes)

Presenter: LACKER, Heiko Markus (Humboldt-Universitaet zu Berlin (DE))

Session Classification: Detector

Contribution ID: 15

Type: **not specified**

Straw Tracker status and prototyping

Wednesday, 7 June 2017 17:05 (20 minutes)

Presenters: BICK, Daniel (Universität Hamburg); FERRO-LUZZI, Massimiliano (CERN)

Session Classification: Detector

Contribution ID: 16

Type: **not specified**

Timing detector - pastic scintillator option status

Wednesday, 7 June 2017 17:30 (20 minutes)

Presenter: BRUNDLER DENZER, Ruth (Universitaet Zuerich (CH))

Session Classification: Detector

Contribution ID: 17

Type: **not specified**

Timing detector - MRPC option status (TBC)

Session Classification: Detector

Contribution ID: **18**

Type: **not specified**

Calorimetry

Thursday, 8 June 2017 09:00 (25 minutes)

Presenters: WANKE, Rainer (Universität Mainz); Dr BONIVENTO, Walter Marcello (INFN Cagliari)

Session Classification: Detector

Contribution ID: **19**

Type: **not specified**

Muon detector status

Thursday, 8 June 2017 09:30 (15 minutes)

Presenter: LANFRANCHI, Gaia (INFN e Laboratori Nazionali di Frascati (IT))

Session Classification: Detector

Contribution ID: 20

Type: **not specified**

DAQ

Thursday, 8 June 2017 09:50 (20 minutes)

Presenter: LEHMANN MIOTTO, Giovanna (CERN)

Session Classification: Detector

Contribution ID: 21

Type: **not specified**

Software and simulation status

Thursday, 8 June 2017 10:15 (10 minutes)

Presenter: RUF, Thomas (CERN)

Session Classification: Detector

Contribution ID: 22

Type: **not specified**

Muon shield optimization procedure at Yandex

Thursday, 8 June 2017 10:30 (15 minutes)

Presenter: LANTWIN, Oliver (Imperial College (GB))

Session Classification: Detector

Contribution ID: 23

Type: **not specified**

Development of machine learning methods for reconstructing e.m. showers in emulsion

Thursday, 8 June 2017 12:10 (20 minutes)

Presenter: USTYUZHANIN, Andrey (Yandex School of Data Analysis (RU))

Session Classification: Detector

Contribution ID: 24

Type: **not specified**

News from tracking

Thursday, 8 June 2017 11:15 (15 minutes)

Presenter: KUZNETSOVA, Katerina (Petersburg Nuclear Physics Institut (RU))

Session Classification: Detector

Contribution ID: 25

Type: **not specified**

Liquid scintillator implementation, update

Thursday, 8 June 2017 14:00 (15 minutes)

Presenter: VENKOVA, Plamenna (Humboldt-Universitaet zu Berlin (DE))

Session Classification: Detector

Contribution ID: 26

Type: **not specified**

Plastic scintillator implementation, update

Thursday, 8 June 2017 14:15 (15 minutes)

Presenter: PROKUDIN, Mikhail (Institute for Theoretical and Experimental Physics (RU))

Session Classification: Detector

Contribution ID: 27

Type: **not specified**

News

Thursday, 8 June 2017 14:30 (10 minutes)

Presenter: SERRA, Nicola (Universitaet Zuerich (CH))

Session Classification: Physics

Contribution ID: 28

Type: **not specified**

"The U boson as a generalized dark photon"

Thursday, 8 June 2017 14:40 (40 minutes)

Presenter: FAYET, Pierre

Session Classification: Physics

Contribution ID: 29

Type: **not specified**

Adding Dark Photon to FairSHiP

Thursday, 8 June 2017 15:25 (15 minutes)

Presenters: MAGNAN, Anne-Marie (Imperial College (GB)); MAGNAN, Anne-Marie (Imperial College (GB))

Session Classification: Physics

Contribution ID: **30**

Type: **not specified**

Update of HNLs and Scalar Portal in FairSHiP

Thursday, 8 June 2017 16:35 (20 minutes)

Presenters: BOIARSKYI, Alexey (National Taras Shevchenko Univ. of Kyiv (UA)); BONDARENKO, Kyrlo; RUCHAYSKIY, Oleg (University of Copenhagen (DK))

Session Classification: Physics

Contribution ID: 31

Type: **not specified**

Geant4 R&D for dark matter and neutrino physics

Thursday, 8 June 2017 17:00 (15 minutes)

Presenters: POLUKHINA, Natalia (Russian Academy of Sciences (RU)); STARKOV, Nikolai (Russian Academy of Sciences (RU)); GRICHINE, Vladimir (Russian Academy of Sciences (RU))

Session Classification: Physics

Contribution ID: 32

Type: **not specified**

Muon combinatorial background

Thursday, 8 June 2017 17:20 (20 minutes)

Presenter: LANTWIN, Oliver (Imperial College (GB))

Session Classification: Physics

Contribution ID: 33

Type: **not specified**

Muon inelastic background studies

Thursday, 8 June 2017 17:45 (20 minutes)

Presenter: VENKOVA, Plamenna (Humboldt-Universitaet zu Berlin (DE))

Session Classification: Physics

Contribution ID: 34

Type: **not specified**

Neutrino background studies

Thursday, 8 June 2017 18:10 (20 minutes)

Presenter: BEZSHYIKO, Iaroslava (Universitaet Zuerich (CH))

Session Classification: Physics

Contribution ID: 35

Type: **not specified**

Status of muon flux proposal

Friday, 9 June 2017 09:00 (20 minutes)

Presenter: VAN HERWIJNEN, Eric (CERN)

Session Classification: Collaboration

Contribution ID: **36**

Type: **not specified**

Status of charm cross-section measurement

Friday, 9 June 2017 09:25 (20 minutes)

Presenter: DI CRESCENZO, Antonia (Universita e INFN, Napoli (IT))

Session Classification: Collaboration

Contribution ID: 37

Type: **not specified**

Use of drift tubes in the muon flux and charm cross-section measurement

Friday, 9 June 2017 09:50 (15 minutes)

Presenter: BICK, Daniel (Universität Hamburg)

Session Classification: Collaboration

Contribution ID: **38**

Type: **not specified**

Use of SciFi in charm cross-section measurement (TBC)

Session Classification: Collaboration

Contribution ID: 39

Type: **not specified**

Summary physics and plans

Friday, 9 June 2017 11:00 (20 minutes)

Presenter: SERRA, Nicola (Universitaet Zuerich (CH))

Session Classification: Collaboration

Contribution ID: 40

Type: **not specified**

Summary detector and plans

Friday, 9 June 2017 11:25 (20 minutes)

Presenter: JACOBSSON, Richard (CERN)

Session Classification: Collaboration

Contribution ID: 41

Type: **not specified**

Conference and publications

Friday, 9 June 2017 11:50 (10 minutes)

Presenter: BONIVENTO, Walter Marcello (INFN Cagliari)

Session Classification: Collaboration

Contribution ID: 42

Type: **not specified**

CRB report

Friday, 9 June 2017 12:05 (10 minutes)

Presenter: VAN HERWIJNEN, Eric (CERN)

Session Classification: Collaboration

Contribution ID: 43

Type: **not specified**

Wrap up

Friday, 9 June 2017 12:20 (10 minutes)

Presenter: GOLUTVIN, Andrei (Imperial College London)

Session Classification: Collaboration

Contribution ID: 44

Type: **not specified**

Implementation of new track pattern recognition methods into FairShip

Thursday, 8 June 2017 11:35 (15 minutes)

Presenter: HUSHCHYN, Mikhail (Yandex School of Data Analysis (RU))

Session Classification: Detector

Contribution ID: 45

Type: **not specified**

Results on compact emulsion spectrometer

Wednesday, 7 June 2017 14:50 (15 minutes)

Presenter: KOMATSU, Masahiro (Nagoya University (JP))

Session Classification: Detector

Contribution ID: 46

Type: **not specified**

Muon shield prototyping

Wednesday, 7 June 2017 12:15 (10 minutes)

Presenter: DIJKSTRA, Hans (CERN)

Session Classification: Detector

Contribution ID: 47

Type: **not specified**

HNL vertex fit

Thursday, 8 June 2017 11:55 (10 minutes)

Presenter: KOROL, Ievgen (Humboldt-Universitaet zu Berlin (DE))

Session Classification: Detector

Contribution ID: 48

Type: **not specified**

LDM Production at SHiP

Thursday, 8 June 2017 16:15 (15 minutes)

Presenters: TIMIRYASOV, Inar (EPFL); RUCHAYSKIY, Oleg (University of Copenhagen (DK))

Session Classification: Physics