

7th SHiP Collaboration Meeting

Report of Contributions

Contribution ID: 0

Type: **not specified**

New phase of SHiP optimization

Wednesday, February 10, 2016 2:20 PM (20 minutes)

Presenter: GOLUTVIN, Andrei (Imperial College London)

Session Classification: Detector session 1

Contribution ID: 1

Type: **not specified**

News on physics and sensitivity studies

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

Contribution ID: 2

Type: **not specified**

Progress with tau neutrino detector

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

Contribution ID: 3

Type: **not specified**

Upstream tagger and Timing detector

Presenter: KORZENEV, Alexander (Universite de Geneve (CH))

Contribution ID: 4

Type: **not specified**

Plans towards TDR

Presenter: JACOBSSON, Richard (CERN)

Contribution ID: 5

Type: **not specified**

CRB meeting

Contribution ID: 8

Type: **not specified**

Hidden sector searches using displaced decays in ATLAS

Presenter: MERMOD, Philippe (Universite de Geneve (CH))

Contribution ID: 9

Type: **not specified**

Hidden Sector searches in the CMS experiment

Presenters: SHCHUTSKA, Lesya (University of Florida (US)); TITOV, Maxim (CEA Saclay)

Contribution ID: **10**

Type: **not specified**

Searches for heavy neutrinos, long lived particles, etc, at LHCb

Presenter: DETTORI, Francesco (CERN)

Contribution ID: 11

Type: **not specified**

Constraining the Dark Sector at Belle (2)

Presenter: GOLOB, Bostjan

Contribution ID: 12

Type: **not specified**

Results and prospects from NA48 and NA62

Presenter: GOUDZOVSKI, Evgueni (University of Birmingham)

Contribution ID: 13

Type: **not specified**

The Heavy Photon Search experiment at Jefferson Lab

Presenter: GUIDAL, Michel (CNRS)

Contribution ID: 14

Type: **not specified**

P348: search for new physics in missing energy events

Presenter: GNINENKO, Sergei (Russian Academy of Sciences (RU))

Contribution ID: 15

Type: **not specified**

Search for dark photon in positron annihilations at Frascati: the PADME proposal

Presenter: KOZHUHAROV, Venelin (University of Sofia (BG))

Contribution ID: 16

Type: **not specified**

SHiP sensitivities for Hidden Sector

Presenter: GRAVERINI, Elena (Universitaet Zuerich (CH))

Contribution ID: 17

Type: **not specified**

Report from CRB

Presenter: VAN HERWIJNEN, Eric (CERN)

Contribution ID: **18**

Type: **not specified**

Report from CRB chair

Contribution ID: **19**

Type: **not specified**

Optimisation of the SHiP geometry and muon shield

Presenter: DIJKSTRA, Hans (CERN)

Contribution ID: 20

Type: **not specified**

Neutrino scattering inside the vacuum vessel

Presenter: CHETELAT SOTO, Nathalie Evelyne

Contribution ID: 21

Type: **not specified**

Electron neutrino as a probe of charm production in the target

Presenters: BUONAURA, Annarita; BUONAURA, Annarita (Universita e INFN, Napoli (IT))

Contribution ID: 22

Type: **not specified**

Sensitivity of SHiP to violations of lepton universality in ν_τ scattering

Presenter: HOSSEINI, Behzad (INFN - Cagliari)

Contribution ID: 23

Type: **not specified**

Conclusion

Presenter: GOLUTVIN, Andrei (Imperial College London)

Contribution ID: 24

Type: **not specified**

Introduction

Wednesday, February 10, 2016 1:30 PM (15 minutes)

Presenter: GOLUTVIN, Andrei (Imperial College London)

Contribution ID: 25

Type: **not specified**

HNLs and Dark Matter

Presenter: BOIARSKYI, Oleksii (Leiden University (NL))

Contribution ID: 26

Type: **not specified**

Surround background tagger and vacuum vessel

Presenters: MALININ, Alexander (National Research Centre Kurchatov Institute (RU)); LACKER, Heiko Markus (Humboldt-Universitaet zu Berlin (DE))

Contribution ID: **28**

Type: **not specified**

HS tracker

Presenter: FERRO-LUZZI, Massimiliano (CERN)

Contribution ID: 29

Type: **not specified**

Calorimeter test beam results

Presenter: KOROLKO, Ivan (ITEP Institute for Theoretical and Experimental Physics (RU))

Contribution ID: **30**

Type: **not specified**

Muon detector

Presenter: BALDINI, Wander (Universita di Ferrara & INFN (IT))

Contribution ID: **31**

Type: **not specified**

Trigger & DAQ

Presenter: DIJKSTRA, Hans (CERN)

Contribution ID: **32**

Type: **not specified**

Running computations on the SHiP production cluster

Presenters: BARANOV, Alexander (Yandex School of Data Analysis (RU)); USTYUZHANIN, Andrey (Yandex School of Data Analysis (RU))

Contribution ID: **33**

Type: **not specified**

Summary of the tutorial

Contribution ID: **34**

Type: **not specified**

Search for Hidden Sector at BaBar

Presenter: CHAUVEAU, Jacques (Centre National de la Recherche Scientifique (FR))

Contribution ID: 35

Type: **not specified**

Tau neutrino detector: SciFi for the Target Tracker

Presenter: MALININ, Alexander (National Research Centre Kurchatov Institute (RU))

Contribution ID: **36**

Type: **not specified**

Tau neutrino detector: Report on emulsion test beam

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

Contribution ID: 37

Type: **not specified**

Introduction

Presenter: RUF, Thomas (CERN)

Contribution ID: **38**

Type: **not specified**

Annarita

Contribution ID: **39**

Type: **not specified**

Elena

Presenter: GRAVERINI, Elena (Universitaet Zuerich (CH))

Contribution ID: 40

Type: **not specified**

Charm production measurement

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

Contribution ID: 41

Type: **not specified**

News from theory

Wednesday, February 10, 2016 1:45 PM (30 minutes)

Presenter: RUCHAYSKIY, Oleg (Ecole Polytechnique Federale de Lausanne (CH))

Contribution ID: 42

Type: **not specified**

CRB meeting

Wednesday, February 10, 2016 6:00 PM (1 hour)

Presenter: VAN HERWIJNEN, Eric (CERN)

Contribution ID: 43

Type: **not specified**

Plans for target

Wednesday, February 10, 2016 2:45 PM (15 minutes)

Presenter: CALVIANI, Marco (CERN)

Session Classification: Detector session 1

Contribution ID: 44

Type: **not specified**

Muon shield and decay volume optimization

Wednesday, February 10, 2016 3:05 PM (20 minutes)

Presenter: DIJKSTRA, Hans (CERN)

Session Classification: Detector session 1

Contribution ID: 45

Type: **not specified**

Muon shield plans

Wednesday, February 10, 2016 3:30 PM (10 minutes)

Presenter: PATEL, Mitesh (Imperial College Sci., Tech. & Med. (GB))

Session Classification: Detector session 1

Contribution ID: 46

Type: **not specified**

Helium bag option for decay volume

Wednesday, February 10, 2016 4:15 PM (15 minutes)

Presenter: BARBER, Geoffrey John (Imperial College Sci., Tech. & Med. (GB))

Session Classification: Detector session 1

Contribution ID: 47

Type: **not specified**

Straw tracker plans

Wednesday, February 10, 2016 4:35 PM (10 minutes)

Presenter: FERRO-LUZZI, Massimiliano (CERN)

Session Classification: Detector session 1

Contribution ID: 48

Type: **not specified**

Straw tracker test beam results

Wednesday, February 10, 2016 4:50 PM (10 minutes)

Presenter: GUZ, Iouri (Institute for High Energy Physics (RU))

Session Classification: Detector session 1

Contribution ID: 49

Type: **not specified**

PID plans

Wednesday, February 10, 2016 5:05 PM (20 minutes)

Presenter: BONIVENTO, Walter Marcello (INFN Cagliari)

Session Classification: Detector session 1

Contribution ID: 50

Type: **not specified**

Implementation of PID in FairSHiP

Wednesday, February 10, 2016 5:30 PM (15 minutes)

Presenter: HOSSEINI, Behzad (INFN - Cagliari)

Session Classification: Detector session 1

Contribution ID: 51

Type: **not specified**

Calorimeter plans

Thursday, February 11, 2016 8:30 AM (15 minutes)

Presenters: VILLA, Mauro (Universita e INFN, Bologna (IT)); VILLA, Mauro (University of Bologna)

Session Classification: Detector session 2

Contribution ID: 52

Type: **not specified**

Calorimeter test beam results

Thursday, February 11, 2016 8:50 AM (15 minutes)

Presenter: KOROLKO, Ivan (ITEP Institute for Theoretical and Experimental Physics (RU))

Session Classification: Detector session 2

Contribution ID: 53

Type: **not specified**

Muon plans

Thursday, February 11, 2016 9:30 AM (15 minutes)

Presenter: LANFRANCHI, Gaia (Istituto Nazionale Fisica Nucleare Frascati (IT))

Session Classification: Detector session 2

Contribution ID: 54

Type: **not specified**

Muon test beam results

Thursday, February 11, 2016 9:50 AM (20 minutes)

Presenter: MONTANARI, Alessandro (INFN-Bologna)

Session Classification: Detector session 2

Contribution ID: 55

Type: **not specified**

Timing detector and upstream veto plans

Thursday, February 11, 2016 10:15 AM (15 minutes)

Presenter: STORACI, Barbara (Universitaet Zuerich (CH))

Session Classification: Detector session 2

Contribution ID: 56

Type: **not specified**

Coffee break

Contribution ID: 57

Type: **not specified**

Timing detector - Scintillating bar options

Thursday, February 11, 2016 11:00 AM (15 minutes)

Presenter: KORZENEV, Alexander (Universite de Geneve (CH))

Session Classification: Detector session 2

Contribution ID: 58

Type: **not specified**

Surround background tagger plans

Thursday, February 11, 2016 11:20 AM (15 minutes)

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

Session Classification: Detector session 2

Contribution ID: 59

Type: **not specified**

Tau neutrino detector plans

Thursday, February 11, 2016 11:40 AM (20 minutes)

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

Session Classification: Detector session 2

Contribution ID: **60**

Type: **not specified**

Emulsion test beam results

Thursday, February 11, 2016 12:05 PM (15 minutes)

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

Session Classification: Detector session 2

Contribution ID: **61**

Type: **not specified**

Multilayer film shields for magnetic protection of PMTs

Thursday, February 11, 2016 9:10 AM (15 minutes)

Presenter: DMITRENKO, Valeriy (MEPhI)

Session Classification: Detector session 2

Contribution ID: **62**

Type: **not specified**

DAQ

Thursday, February 11, 2016 2:10 PM (15 minutes)

Presenter: BRENNER, Richard (Uppsala University (SE))

Session Classification: Detector session 3

Contribution ID: **63**

Type: **not specified**

Computing

Thursday, February 11, 2016 2:30 PM (15 minutes)

Presenter: RUF, Thomas (CERN)

Session Classification: Detector session 3

Contribution ID: **64**

Type: **not specified**

Organization of future work

Presenter: JACOBSSON, Richard (CERN)

Contribution ID: 65

Type: **not specified**

CRB report

Friday, February 12, 2016 12:00 PM (15 minutes)

Presenter: VAN HERWIJNEN, Eric (CERN)

Contribution ID: **66**

Type: **not specified**

Concluding remarks

Friday, February 12, 2016 12:15 PM (10 minutes)

Presenter: GOLUTVIN, Andrei (Imperial College London)

Contribution ID: 67

Type: **not specified**

Introduction

Friday, February 12, 2016 9:25 AM (15 minutes)

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

Session Classification: Physics

Contribution ID: **68**

Type: **not specified**

Cascade production and implication for the background

Friday, February 12, 2016 9:45 AM (20 minutes)

Presenter: DIJKSTRA, Hans (CERN)

Session Classification: Physics

Contribution ID: **69**

Type: **not specified**

ALP to two photons

Friday, February 12, 2016 11:25 AM (20 minutes)

Presenter: BONIVENTO, Walter Marcello (INFN Cagliari)

Session Classification: Physics

Contribution ID: 70

Type: **not specified**

Acceptance studies for Dark Scalars

Friday, February 12, 2016 11:00 AM (20 minutes)

Presenter: LANFRANCHI, Gaia (Istituto Nazionale Fisica Nucleare Frascati (IT))

Session Classification: Physics

Contribution ID: 71

Type: **not specified**

Dedicated experiment to measure charm cross section (Status and Progress)

Friday, February 12, 2016 10:10 AM (20 minutes)

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

Session Classification: Physics

Contribution ID: 72

Type: **not specified**

GEM/uRWELL option for neutrino target tracker

Thursday, February 11, 2016 1:50 PM (15 minutes)

Presenter: BENCIVENNI, Giovanni (Istituto Nazionale Fisica Nucleare Frascati (IT))

Session Classification: Detector session 3

Contribution ID: 73

Type: **not specified**

Detector summary: Organization of future works

Friday, February 12, 2016 9:00 AM (25 minutes)

Presenter: JACOBSSON, Richard (CERN)

Contribution ID: 74

Type: **not specified**

SciFi option for neutrino target tracker

Thursday, February 11, 2016 1:30 PM (15 minutes)

Presenter: MALININ, Alexander (National Research Centre Kurchatov Institute (RU))

Session Classification: Detector session 3

Contribution ID: 75

Type: **not specified**

Introduction

Thursday, February 11, 2016 3:00 PM (20 minutes)

Presenter: RUF, Thomas (CERN)

Session Classification: Software tutorial

Contribution ID: 76

Type: **not specified**

HNL simulation and analysis: INTRO

Thursday, February 11, 2016 3:20 PM (15 minutes)

Presenter: GRAVERINI, Elena (Universitaet Zuerich (CH))

Session Classification: Software tutorial

Contribution ID: 77

Type: **not specified**

Material and detector implementation in FairShip

Thursday, February 11, 2016 3:35 PM (45 minutes)

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

Session Classification: Software tutorial

Contribution ID: 78

Type: **not specified**

Hands-on: detector implementation

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

Contribution ID: 79

Type: **not specified**

Hands-on: detector implementation and more

Friday, February 12, 2016 8:00 AM (50 minutes)

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

Session Classification: Software tutorial