

**8th SHiP Collaboration
meeting, Imperial College
London**

Report of Contributions

Contribution ID: 1

Type: **not specified**

News and objectives of the meeting

Presenter: GOLUTVIN, Andrei (Imperial College London)

Session Classification: Session 1

Contribution ID: 2

Type: **not specified**

Plans of the Beyond Collider Physics study group

Presenter: LAMONT, Mike (CERN)

Session Classification: Session 1

Contribution ID: 3

Type: **not specified**

SPS proton sharing in the future

Presenter: ARDUINI, Gianluigi (CERN)

Session Classification: Session 1

Contribution ID: 4

Type: **not specified**

Update on beam delivery and SPS extraction studies

Presenter: FRASER, Matthew Alexander (CERN)

Session Classification: Session 1

Contribution ID: 5

Type: **not specified**

News and objectives of the meeting

Monday 13 June 2016 14:00 (15 minutes)

Presenter: GOLUTVIN, Andrei (Imperial College London)

Contribution ID: 6

Type: **not specified**

Plans of the Beyond Collider Physics study group

Monday 13 June 2016 14:15 (20 minutes)

Presenter: LAMONT, Mike (CERN)

Session Classification: Session 1

Contribution ID: 7

Type: **not specified**

SPS proton sharing in the future

Monday 13 June 2016 14:40 (20 minutes)

Summary

Presenters: ARDUINI, Gianluigi (CERN); BARTOSIK, Hannes (CERN)

Session Classification: Session 1

Contribution ID: 8

Type: **not specified**

Update on beam delivery and SPS extraction studies

Monday 13 June 2016 15:05 (20 minutes)

Presenter: FRASER, Matthew Alexander (CERN)

Session Classification: Session 1

Contribution ID: 9

Type: **not specified**

Detector session intro

Monday 13 June 2016 15:55 (5 minutes)

Presenter: JACOBSSON, Richard (CERN)

Session Classification: Session 2

Contribution ID: **10**

Type: **not specified**

Muon shield intro

Monday 13 June 2016 16:00 (10 minutes)

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

Session Classification: Session 2

Contribution ID: **11**

Type: **not specified**

Muon shield and geometry reoptimization

Monday 13 June 2016 16:10 (20 minutes)

Presenter: DIJKSTRA, Hans (CERN)

Session Classification: Session 2

Contribution ID: 12

Type: **not specified**

Experience with magnetizing target region (TBC)

Session Classification: Session 2

Contribution ID: 13

Type: **not specified**

Status of magnetic models for muon shield

Session Classification: Session 2

Contribution ID: 14

Type: **not specified**

Status of magnetic models for muon shield

Monday 13 June 2016 16:35 (20 minutes)

Presenter: BAYLISS, Victoria (STFC)

Session Classification: Session 2

Contribution ID: 15

Type: **not specified**

Acceptance studies and plans for muon shield optimisation

Monday 13 June 2016 17:10 (20 minutes)

Presenter: LANTWIN, Oliver (Imperial College Sci., Tech. & Med. (GB))

Session Classification: Session 2

Contribution ID: **16**

Type: **not specified**

Update on neutrino background

Tuesday 14 June 2016 08:30 (25 minutes)

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

Session Classification: Session 3

Contribution ID: 17

Type: **not specified**

Helium bag option for decay volume

Tuesday 14 June 2016 09:00 (20 minutes)

Presenters: BARBER, Geoff (Imperial College London); BARBER, Geoffrey John (Imperial College Sci., Tech. & Med. (GB))

Session Classification: Session 3

Contribution ID: **18**

Type: **not specified**

Vacuum options for decay volume

Tuesday 14 June 2016 09:25 (20 minutes)

Summary

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

Session Classification: Session 3

Contribution ID: **19**

Type: **not specified**

SBT/UVT - Plastic scintillator option

Tuesday 14 June 2016 09:50 (20 minutes)

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

Session Classification: Session 3

Contribution ID: 20

Type: **not specified**

SBT/UVT : Liquid scintillator option

Tuesday 14 June 2016 10:15 (15 minutes)

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

Session Classification: Session 3

Contribution ID: **21**

Type: **not specified**

News and progress in SHiPId

Tuesday 14 June 2016 11:00 (25 minutes)

Presenter: BONIVENTO, Walter Marcello (INFN Cagliari)

Session Classification: Session 4

Contribution ID: 22

Type: **not specified**

PID performance in FairShiP with real HNL and DP decays

Tuesday 14 June 2016 11:30 (20 minutes)

Presenters: HOSSEINI, Behzad (University and INFN Naples); HOSSEINI, Behzad (INFN - Cagliari)

Session Classification: Session 4

Contribution ID: 23

Type: **not specified**

CALO Status and new ideas

Tuesday 14 June 2016 11:55 (20 minutes)

Summary

Presenter: VILLA, Mauro (University of Bologna)

Session Classification: Session 4

Contribution ID: **24**

Type: **not specified**

MUON Status

Tuesday 14 June 2016 12:20 (20 minutes)

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

Session Classification: Session 4

Contribution ID: 25

Type: **not specified**

MUON 1 (Title TBC)

Session Classification: Session5

Contribution ID: 26

Type: **not specified**

MUON 2 (Title TBC)

Session Classification: Session5

Contribution ID: 27

Type: **not specified**

Spectrometer Straw Tracker - Test beams

Tuesday 14 June 2016 14:10 (20 minutes)

Presenter: KUZNETSOVA, Katerina (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: Session5

Contribution ID: 28

Type: **not specified**

Spectrometer Timing Detector - Plastic scintillator option

Tuesday 14 June 2016 14:35 (20 minutes)

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

Session Classification: Session5

Contribution ID: 29

Type: **not specified**

Spectrometer Timing Detector - MRPC option

Tuesday 14 June 2016 15:00 (10 minutes)

Presenter: FONTE, Paulo

Session Classification: Session5

Contribution ID: **30**

Type: **not specified**

DAQ system

Session Classification: Session6

Contribution ID: **31**

Type: **not specified**

Configuration of the tau neutrino detector

Tuesday 14 June 2016 15:45 (20 minutes)

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

Session Classification: Session6

Contribution ID: 32

Type: **not specified**

Analysis of test-beam data GEM group

Session Classification: Session6

Contribution ID: 33

Type: **not specified**

Analysis of nuclear emulsion test-beam data

Tuesday 14 June 2016 16:10 (20 minutes)

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

Session Classification: Session6

Contribution ID: **34**

Type: **not specified**

DAQ system

Session Classification: Session6

Contribution ID: 35

Type: **not specified**

DAQ system

Session Classification: Session6

Contribution ID: **36**

Type: **not specified**

DAQ system

Tuesday 14 June 2016 17:15 (10 minutes)

Presenter: XELLA, Stefania (University of Copenhagen (DK))

Session Classification: Session6

Contribution ID: 37

Type: **not specified**

Physics intro

Wednesday 15 June 2016 09:00 (10 minutes)

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

Session Classification: Session7

Contribution ID: **38**

Type: **not specified**

News from theory

Wednesday 15 June 2016 09:10 (30 minutes)

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

Session Classification: Session7

Contribution ID: 39

Type: **not specified**

Summary of Dark Sector Workshop at SLAC

Wednesday 15 June 2016 09:40 (30 minutes)

Presenters: GOLUTVIN, Andrei (Imperial College London); LANFRANCHI, Gaia (Istituto Nazionale Fisica Nucleare Frascati (IT))

Session Classification: Session7

Contribution ID: 40

Type: **not specified**

Hidden particle simulation and sensitivity

Wednesday 15 June 2016 10:10 (20 minutes)

Summary

Presenter: PETRIDIS, Konstantinos (University of Bristol (GB))

Session Classification: Session7

Contribution ID: 41

Type: **not specified**

Optimization of identification of HNL signal

Wednesday 15 June 2016 11:15 (20 minutes)

Presenter: BAXTER, Samuel (University of Copenhagen (DK))

Session Classification: Session 8

Contribution ID: 42

Type: **not specified**

Using NA61 to measure muon flux

Wednesday 15 June 2016 11:40 (20 minutes)

Presenter: VAN HERWIJNEN, Eric (CERN)

Session Classification: Session 8

Contribution ID: 43

Type: **not specified**

Measurement of charm differential cross-section

Wednesday 15 June 2016 12:05 (20 minutes)

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

Session Classification: Session 8

Contribution ID: 44

Type: **not specified**

CRB Report

Wednesday 15 June 2016 15:45 (15 minutes)

Presenter: VAN HERWIJNEN, Eric (CERN)

Contribution ID: 45

Type: **not specified**

Close-out

Wednesday 15 June 2016 16:05 (15 minutes)

Presenter: GOLUTVIN, Andrei (Imperial College London)

Contribution ID: 46

Type: **not specified**

Plans towards the paper on SHiP optimization

Wednesday 15 June 2016 14:00 (20 minutes)

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

Session Classification: Session 9

Contribution ID: 47

Type: **not specified**

Discussion

Wednesday 15 June 2016 14:20 (20 minutes)

Session Classification: Session 9

Contribution ID: 48

Type: **not specified**

Project status and plans

Wednesday 15 June 2016 14:40 (20 minutes)

Presenter: JACOBSSON, Richard (CERN)

Session Classification: Session 9

Contribution ID: 49

Type: **not specified**

Discussion

Wednesday 15 June 2016 15:00 (15 minutes)

Session Classification: Session 9

Contribution ID: 50

Type: **not specified**

Possibilities of using NA62 in beam dump mode

Wednesday 15 June 2016 12:30 (20 minutes)

Summary

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

Session Classification: Session 8

Contribution ID: 51

Type: **not specified**

Spectrometer Straw Tracker status

Tuesday 14 June 2016 14:00 (5 minutes)

Presenter: FERRO-LUZZI, Massimiliano (CERN)

Session Classification: Session5

Contribution ID: 52

Type: **not specified**

Optimization of HNL selection

Wednesday 15 June 2016 10:30 (15 minutes)

Session Classification: Session7

Contribution ID: 53

Type: **not specified**

RPC chambers for the muon spectrometer

Tuesday 14 June 2016 16:55 (15 minutes)

Presenter: IASELLI, Giuseppe (Universita e INFN, Bari (IT))

Session Classification: Session6

Contribution ID: 54

Type: **not specified**

Use of emulsion shifter for the neutrino target

Tuesday 14 June 2016 16:35 (15 minutes)

Presenters: KOMATSU, Masahiro (Nagoya University (JP)); TAKAHASHI, Saturo

Session Classification: Session6

Contribution ID: 55

Type: **not specified**

Target R&D plans

Monday 13 June 2016 17:00 (10 minutes)

Presenter: CALVIANI, Marco (CERN)

Session Classification: Session 2