

# **6th SHiP Collaboration Meeting**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Welcome and news

*Wednesday 7 October 2015 13:45 (15 minutes)*

**Presenter:** GOLUTVIN, Andrei (Imperial College London)

**Session Classification:** Detector

Contribution ID: 1

Type: **not specified**

## **News on physics and sensitivity studies**

*Wednesday 7 October 2015 14:00 (30 minutes)*

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

**Session Classification:** Detector

Contribution ID: 2

Type: **not specified**

## Progress with tau neutrino detector

*Wednesday 7 October 2015 14:30 (5 minutes)*

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

**Session Classification:** Detector

Contribution ID: 3

Type: **not specified**

## Upstream tagger and Timing detector

*Wednesday 7 October 2015 15:30 (10 minutes)*

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

**Session Classification:** Detector

Contribution ID: 4

Type: **not specified**

## Plans towards TDR

*Wednesday 7 October 2015 16:40 (30 minutes)*

**Presenter:** JACOBSSON, Richard (CERN)

**Session Classification:** Detector

Contribution ID: 5

Type: **not specified**

## CRB meeting

*Wednesday 7 October 2015 18:00 (1h 30m)*

**Session Classification:** Detector

Contribution ID: 6

Type: **not specified**

## Introduction

**Presenter:** GOLUTVIN, Andrei (Imperial College London)



Contribution ID: 7

Type: **not specified**

## Theory talk

**Presenter:** TBC

Contribution ID: 8

Type: **not specified**

# Hidden sector searches using displaced decays in ATLAS

*Thursday 8 October 2015 13:30 (25 minutes)*

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

**Session Classification:** Exploration of Hidden Sector (open session)

Contribution ID: 9

Type: **not specified**

## **Hidden Sector searches in the CMS experiment**

*Thursday 8 October 2015 13:55 (25 minutes)*

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

**Session Classification:** Exploration of Hidden Sector (open session)

Contribution ID: **10**

Type: **not specified**

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

*Thursday 8 October 2015 14:20 (25 minutes)*

**Presenter:** DETTORI, Francesco (CERN)

**Session Classification:** Exploration of Hidden Sector (open session)

Contribution ID: 11

Type: **not specified**

## **Constraining the Dark Sector at Belle (2)**

*Thursday 8 October 2015 14:45 (25 minutes)*

**Presenter:** GOLOB, Bostjan

**Session Classification:** Exploration of Hidden Sector (open session)

Contribution ID: 12

Type: **not specified**

## **Results and prospects from NA48 and NA62**

*Thursday 8 October 2015 16:00 (25 minutes)*

**Presenter:** GOUDZOVSKI, Evgueni (University of Birmingham)

**Session Classification:** Exploration of Hidden Sector (open session)

Contribution ID: 13

Type: **not specified**

# The Heavy Photon Search experiment at Jefferson Lab

*Thursday 8 October 2015 16:25 (25 minutes)*

**Presenter:** GUIDAL, Michel (CNRS)

**Session Classification:** Exploration of Hidden Sector (open session)

Contribution ID: 14

Type: **not specified**

## **P348: search for new physics in missing energy events**

*Thursday 8 October 2015 16:50 (25 minutes)*

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

**Session Classification:** Exploration of Hidden Sector (open session)



Contribution ID: 15

Type: **not specified**

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

*Thursday 8 October 2015 17:15 (25 minutes)*

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

**Session Classification:** Exploration of Hidden Sector (open session)

Contribution ID: 16

Type: **not specified**

## **SHiP sensitivities for Hidden Sector**

*Thursday 8 October 2015 17:40 (25 minutes)*

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

**Session Classification:** Exploration of Hidden Sector (open session)

Contribution ID: 17

Type: **not specified**

## Report from CRB

**Presenter:** VAN HERWIJNEN, Eric (CERN)

Contribution ID: **18**

Type: **not specified**

## **Report from CRB chair**

*Friday 9 October 2015 09:30 (15 minutes)*

**Session Classification:** Physics

Contribution ID: **19**

Type: **not specified**

# Optimisation of the SHiP geometry and muon shield

*Friday 9 October 2015 09:45 (30 minutes)*

**Presenter:** DIJKSTRA, Hans (CERN)

**Session Classification:** Physics

Contribution ID: 20

Type: **not specified**

## **Neutrino scattering inside the vacuum vessel**

*Friday 9 October 2015 10:15 (30 minutes)*

**Presenter:** CHETELAT SOTO, Nathalie Evelyne

**Session Classification:** Physics

Contribution ID: 21

Type: **not specified**

## **Electron neutrino as a probe of charm production in the target**

*Friday 9 October 2015 11:15 (30 minutes)*

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

**Session Classification:** Physics

Contribution ID: 22

Type: **not specified**

## **Sensitivity of SHiP to violations of lepton universality in $\nu_\tau$ scattering**

*Friday 9 October 2015 11:55 (30 minutes)*

**Presenter:** HOSSEINI, Behzad (INFN - Cagliari)

**Session Classification:** Physics



Contribution ID: 23

Type: **not specified**

## Conclusion

*Friday 9 October 2015 12:25 (10 minutes)*

**Presenter:** GOLUTVIN, Andrei (Imperial College London)

**Session Classification:** Physics

Contribution ID: 24

Type: **not specified**

## Introduction

*Thursday 8 October 2015 11:30 (15 minutes)*

**Presenter:** GOLUTVIN, Andrei (Imperial College London)

**Session Classification:** Exploration of Hidden Sector (open session)

Contribution ID: 25

Type: **not specified**

## HNLs and Dark Matter

*Thursday 8 October 2015 11:45 (45 minutes)*

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

**Session Classification:** Exploration of Hidden Sector (open session)

Contribution ID: 26

Type: **not specified**

## Surround background tagger and vacuum vessel

*Wednesday 7 October 2015 15:40 (10 minutes)*

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

**Session Classification:** Detector

Contribution ID: 27

Type: **not specified**

## **New ideas on PID**

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

Contribution ID: **28**

Type: **not specified**

## **HS tracker**

*Wednesday 7 October 2015 15:50 (10 minutes)*

**Presenter:** FERRO-LUZZI, Massimiliano (CERN)

**Session Classification:** Detector

Contribution ID: 29

Type: **not specified**

## Calorimeter test beam results

*Wednesday 7 October 2015 16:00 (20 minutes)*

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

**Session Classification:** Detector

Contribution ID: **30**

Type: **not specified**

## **Muon detector**

*Wednesday 7 October 2015 16:20 (10 minutes)*

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

**Session Classification:** Detector



Contribution ID: **31**

Type: **not specified**

## **Trigger & DAQ**

*Wednesday 7 October 2015 16:30 (10 minutes)*

**Presenter:** DIJKSTRA, Hans (CERN)

**Session Classification:** Detector

Contribution ID: 32

Type: **not specified**

## Running computations on the SHiP production cluster

*Friday 9 October 2015 08:30 (50 minutes)*

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

**Session Classification:** FairSHiP Tutorial

Contribution ID: **33**

Type: **not specified**

## Summary of the tutorial

*Friday 9 October 2015 09:20 (10 minutes)*

**Session Classification:** FairSHiP Tutorial

Contribution ID: **34**

Type: **not specified**

## **Search for Hidden Sector at BaBar**

*Thursday 8 October 2015 15:10 (25 minutes)*

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

**Session Classification:** Exploration of Hidden Sector (open session)

Contribution ID: 35

Type: **not specified**

## **Tau neutrino detector: SciFi for the Target Tracker**

*Wednesday 7 October 2015 14:35 (10 minutes)*

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

**Session Classification:** Detector

Contribution ID: **36**

Type: **not specified**

## **Tau neutrino detector: Report on emulsion test beam**

*Wednesday 7 October 2015 14:45 (15 minutes)*

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

**Session Classification:** Detector

Contribution ID: 37

Type: **not specified**

## Introduction

*Thursday 8 October 2015 08:30 (10 minutes)*

**Presenter:** RUF, Thomas (CERN)

**Session Classification:** FairSHiP Tutorial

Contribution ID: **38**

Type: **not specified**

## **Annarita**

*Thursday 8 October 2015 10:10 (20 minutes)*

**Session Classification:** FairSHiP Tutorial



Contribution ID: **39**

Type: **not specified**

## Elena

*Thursday 8 October 2015 08:40 (1h 30m)*

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

**Session Classification:** FairSHiP Tutorial

Contribution ID: 40

Type: **not specified**

## Charm production measurement

*Friday 9 October 2015 11:45 (10 minutes)*

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

**Session Classification:** Physics