New phase of SHiP optimization

Wednesday, 10 February 2016 14:20 (20 minutes)

Presenter:  GOLUTVIN, Andrei (Imperial College London)
Session Classification:  Detector session 1
News on physics and sensitivity studies

**Presenter:** SERRA, Nicola (Universitaet Zuerich (CH))
Progress with tau neutrino detector

**Presenter:** DE LELLIS, Giovanni (Università e INFN, Napoli (IT))
Upstream tagger and Timing detector

Presenter:  KORZENEV, Alexander (Universite de Geneve (CH))
Plans towards TDR

Presenter: JACOBSSON, Richard (CERN)
CRB meeting
Hidden sector searches using displaced decays in ATLAS

Presenter: MERMOD, Philippe (Universite de Geneve (CH))
Hidden Sector searches in the CMS experiment

**Presenters:** SHCHUTSKA, Lesya (University of Florida (US)); TITOV, Maxim (CEA Saclay)
Searches for heavy neutrinos, long lived particles, etc, at LHCb

Presenter: DETTORI, Francesco (CERN)
Constraining the Dark Sector at Belle (2)

Presenter: GOLOB, Bostjan
Results and prospects from NA48 and NA62

Presenter: GOUZOVSKI, Evgueni (University of Birmingham)
The Heavy Photon Search experiment at Jefferson Lab

Presenter: GUIDAL, Michel (CNRS)
P348: search for new physics in missing energy events

Presenter: GNINENKO, Sergei (Russian Academy of Sciences (RU))
Search for dark photon in positron annihilations at Frascati: the PADME proposal

Presenter: KOZHUHAROV, Venelin (University of Sofia (BG))
SHiP sensitivities for Hidden Sector

Presenter: GRAVERINI, Elena (Universitaet Zuerich (CH))
Report from CRB

Presenter:  VAN HERWIJNEN, Eric (CERN)
Report from CRB chair
Optimisation of the SHiP geometry and muon shield

Presenter: DIJKSTRA, Hans (CERN)
Neutrino scattering inside the vacuum vessel

Presenter: CHETELAT SOTO, Nathalie Evelyne
Electron neutrino as a probe of charm production in the target

Presenters: BUONAURA, Annarita; BUONAURA, Annarita (Universita e INFN, Napoli (IT))
Sensitivity of SHiP to violations of lepton universality in nu_\tau scattering

Presenter: HOSSEINI, Behzad (INFN - Cagliari)
Conclusion

Presenter:  GOLUTVIN, Andrei (Imperial College London)
Contribution ID: 24

Type: not specified

Introduction

Wednesday, 10 February 2016 13:30 (15 minutes)

Presenter: GOLUTVIN, Andrei (Imperial College London)
HNLs and Dark Matter

Presenter: BOIARSKYI, Oleksii (Leiden University (NL))
Surround background tagger and vacuum vessel

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

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

Presenter: BALDINI, Wander (Universita di Ferrara & INFN (IT))
Contribution ID: 31
Type: not specified

Trigger & DAQ

Presenter: DIJKSTRA, Hans (CERN)
Running computations on the SHiP production cluster

Presenters: BARANOV, Alexander (Yandex School of Data Analysis (RU)); USTYUZHANIN, Andrey (Yandex School of Data Analysis (RU))
Summary of the tutorial
Search for Hidden Sector at BaBar

Presenter: CHAUVEAU, Jacques (Centre National de la Recherche Scientifique (FR))
Tau neutrino detector: SciFi for the Target Tracker

Presenter: MALININ, Alexander (National Research Centre Kurchatov Institute (RU))
Tau neutrino detector: Report on emulsion test beam

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

Presenter: RUF, Thomas (CERN)
Annarita
Elena

**Presenter:** GRAVERINI, Elena (Universitaet Zuerich (CH))
Charm production measurement

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

Wednesday, 10 February 2016 13:45 (30 minutes)

Presenter: RUCHAYSKYI, Oleg (Ecole Polytechnique Federale de Lausanne (CH))
CRB meeting

Wednesday, 10 February 2016 18:00 (1 hour)

Presenter: VAN HERWIJNEN, Eric (CERN)
Plans for target

Wednesday, 10 February 2016 14:45 (15 minutes)

Presenter: CALVIANI, Marco (CERN)
Session Classification: Detector session 1
Muon shield and decay volume optimization

Wednesday, 10 February 2016 15:05 (20 minutes)

Presenter: DIJKSTRA, Hans (CERN)
Session Classification: Detector session 1
Muon shield plans

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

Presenter: PATEL, Mitesh (Imperial College Sci., Tech. & Med. (GB))
Session Classification: Detector session 1
Helium bag option for decay volume

Wednesday, 10 February 2016 16:15 (15 minutes)

Presenter:  BARBER, Geoffrey John (Imperial College Sci., Tech. & Med. (GB))
Session Classification: Detector session 1
Straw tracker plans

Wednesday, 10 February 2016 16:35 (10 minutes)

Presenter: FERRO-LUZZI, Massimiliano (CERN)
Session Classification: Detector session 1
Straw tracker test beam results

Wednesday, 10 February 2016 16:50 (10 minutes)

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

Session Classification: Detector session 1
PID plans

Wednesday, 10 February 2016 17:05 (20 minutes)

Presenter: BONIVENTO, Walter Marcello (INFN Cagliari)
Session Classification: Detector session 1
Implementation of PID in FairSHiP

Wednesday, 10 February 2016 17:30 (15 minutes)

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

**Session Classification:** Detector session 1
Calorimeter plans

Thursday, 11 February 2016 08:30 (15 minutes)

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

Session Classification:  Detector session 2
Calorimeter test beam results

Thursday, 11 February 2016 08:50 (15 minutes)

Presenter: KOROLKO, Ivan (ITEP Institute for Theoretical and Experimental Physics (RU))
Session Classification: Detector session 2
Muon plans

Thursday, 11 February 2016 09:30 (15 minutes)

Presenter: LANFRANCHI, Gaia (Istituto Nazionale Fisica Nucleare Frascati (IT))
Session Classification: Detector session 2
Muon test beam results

Thursday, 11 February 2016 09:50 (20 minutes)

Presenter: MONTANARI, Alessandro (INFN-Bologna)
Session Classification: Detector session 2
Timing detector and upstream veto plans

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

Presenter:  STORACI, Barbara (Universitaet Zuerich (CH))
Session Classification:  Detector session 2
Coffee break
Timing detector - Scintillating bar options

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

Presenter: KORZENEV, Alexander (Universite de Geneve (CH))
Session Classification: Detector session 2
Surround background tagger plans

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

Presenter:  LACKER, Heiko Markus (Humboldt-Universitaet zu Berlin (DE))
Session Classification:  Detector session 2
Tau neutrino detector plans

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

Presenter: DE LELLIS, Giovanni (Università e INFN, Napoli (IT))
Session Classification: Detector session 2
Emulsion test beam results

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

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

Session Classification:  Detector session 2
Multilayer film shields for magnetic protection of PMTs

Thursday, 11 February 2016 09:10 (15 minutes)

Presenter: DMITRENKO, Valeriy (MEPhI)

Session Classification: Detector session 2
Contribution ID: 62

**DAQ**

*Thursday, 11 February 2016 14:10 (15 minutes)*

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

**Session Classification:** Detector session 3
Computing

Thursday, 11 February 2016 14:30 (15 minutes)

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

**Session Classification:**  Detector session 3
Organization of future work

Presenter: JACOBSSON, Richard (CERN)
CRB report

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

Presenter: VAN HERWIJNEN, Eric (CERN)
Concluding remarks

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

Presenter: GOLUTVIN, Andrei (Imperial College London)
Introduction

Friday, 12 February 2016 09:25 (15 minutes)

Presenter:  SERRA, Nicola (Universitaet Zuerich (CH))
Session Classification:  Physics
Cascade production and implication for the background

*Friday, 12 February 2016 09:45 (20 minutes)*

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

**Session Classification:** Physics
ALP to two photons

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

Presenter: BONIVENTO, Walter Marcello (INFN Cagliari)

Session Classification: Physics
Acceptance studies for Dark Scalars

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

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

**Session Classification:** Physics
Dedicated experiment to measure charm cross section (Status and Progress)

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

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

Session Classification: Physics
GEM/uRWell option for neutrino target tracker

Thursday, 11 February 2016 13:50 (15 minutes)

Presenter:  BENCIVENNI, Giovanni (Istituto Nazionale Fisica Nucleare Frascati (IT))
Session Classification:  Detector session 3
Detector summary: Organization of future works

Friday, 12 February 2016 09:00 (25 minutes)

Presenter: JACOBSSON, Richard (CERN)
SciFi option for neutrino target tracker

Thursday, 11 February 2016 13:30 (15 minutes)

Presenter: MALININ, Alexander (National Research Centre Kurchatov Institute (RU))
Session Classification: Detector session 3
Contribution ID: 75

Type: not specified

Introduction

Thursday, 11 February 2016 15:00 (20 minutes)

Presenter: RUF, Thomas (CERN)

Session Classification: Software tutorial
HNL simulation and analysis: INTRO

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

Presenter: GRAVERINI, Elena (Universitaet Zuerich (CH))
Session Classification: Software tutorial
Material and detector implementation in FairShip

Thursday, 11 February 2016 15:35 (45 minutes)

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

Session Classification: Software tutorial
Hands-on: detector implementation

Presenter: BEZSHYIKO, Iaroslava (Universitaet Zuerich (CH))
Hands-on: detector implementation and more

Friday, 12 February 2016 08:00 (50 minutes)

Presenter: BEZSHYIKO, Iaroslava (Universitaet Zuerich (CH))
Session Classification: Software tutorial