

# **Workshop on timing detectors**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

# Welcome

*Thursday 8 March 2007 09:00 (15 minutes)*

**Authors:** ROYON, Christophe Royon; LE DU, Patrick

**Presenters:** ROYON, Christophe Royon; LE DU, Patrick

**Session Classification:** Timing detector session I

Contribution ID: 1

Type: **not specified**

## Overview of ultra fast time of flight

*Thursday 8 March 2007 09:15 (30 minutes)*

**Author:** FRISCH, Henry

**Presenter:** FRISCH, Henry

**Session Classification:** Timing detector session I

Contribution ID: 2

Type: **not specified**

## **MCP development and technology (Burle/Photonis)**

*Thursday 8 March 2007 09:45 (30 minutes)*

**Author:** LAVOUTE, Pascal

**Presenter:** LAVOUTE, Pascal

**Session Classification:** Timing detector session I

Contribution ID: 3

Type: **not specified**

## **MCP development and technology (Hamamatsu)**

*Thursday 8 March 2007 10:15 (30 minutes)*

**Author:** VOGEL, Wolfgang

**Presenter:** VOGEL, Wolfgang

**Session Classification:** Timing detector session I

Contribution ID: 4

Type: **not specified**

## **ANL test stand and tests performed at FNAL**

*Thursday 8 March 2007 11:15 (30 minutes)*

**Author:** BYRUM, Karen

**Presenter:** BYRUM, Karen

**Session Classification:** Timing detector session I

Contribution ID: 5

Type: **not specified**

## Timing properties of MCP PMTs

*Thursday 8 March 2007 11:45 (30 minutes)*

**Author:** INAMI, Kenji

**Presenter:** INAMI, Kenji

**Session Classification:** Timing detector session I

Contribution ID: 6

Type: **not specified**

## **development of a novel type of MCP based on hydrogenated amorphous silicon**

**Author:** JARON, Pierre



Contribution ID: 7

Type: **not specified**

## **Development of a novel type of MCP based on hydrogenated amorphous silicon**

*Thursday 8 March 2007 12:15 (30 minutes)*

**Author:** JARON, Pierre

**Presenter:** JARON, Pierre

**Session Classification:** Timing detector session I

Contribution ID: 8

Type: **not specified**

## **Fast electronics for timing detectors**

*Thursday 8 March 2007 14:00 (30 minutes)*

**Author:** GENAT, Jean-Francois

**Presenter:** GENAT, Jean-Francois

**Session Classification:** Timing detector session I

Contribution ID: 9

Type: **not specified**

## Electronics development

*Thursday 8 March 2007 14:30 (20 minutes)*

**Author:** SANDERS, Harold

**Presenter:** SANDERS, Harold

**Session Classification:** Timing detector session I

Contribution ID: **10**

Type: **not specified**

## Electronics development

*Thursday 8 March 2007 14:50 (20 minutes)*

**Author:** TANG, Fukun

**Presenter:** TANG, Fukun

**Session Classification:** Timing detector session I

Contribution ID: 11

Type: **not specified**

## **Fast analog samplers and timing experience in DAPNIA**

*Thursday 8 March 2007 15:10 (30 minutes)*

**Author:** DELAGNES, Eric

**Presenter:** DELAGNES, Eric

**Session Classification:** Timing detector session I

Contribution ID: **12**

Type: **not specified**

## **LHC ALICE TOF performance**

*Thursday 8 March 2007 15:40 (30 minutes)*

**Author:** WILLIAMS, Crispin

**Presenter:** WILLIAMS, Crispin

**Session Classification:** Timing detector session I

Contribution ID: 13

Type: **not specified**

## **Discussion session: Timing detectors / electronics**

*Thursday 8 March 2007 16:40 (1 hour)*

**Session Classification:** Timing detector session I

Contribution ID: 14

Type: **not specified**

## Simulation with GATE

*Friday 9 March 2007 09:00 (30 minutes)*

**Author:** BUVAT, Irene

**Presenter:** BUVAT, Irene

**Session Classification:** Timing detector session I



Contribution ID: 15

Type: **not specified**

## The LITRANI package

*Friday 9 March 2007 09:30 (20 minutes)*

**Author:** FRANCOIS-XAVIER GENTIT

**Presenter:** FRANCOIS-XAVIER GENTIT

**Session Classification:** Timing detector session I

Contribution ID: **16**

Type: **not specified**

## **Application in Medical imaging and hadron therapy**

*Friday 9 March 2007 09:50 (30 minutes)*

**Author:** LE DU, Patrick

**Presenter:** LE DU, Patrick

**Session Classification:** Timing detector session I

Contribution ID: 17

Type: **not specified**

## PET, TOF PET, SPECT

*Friday 9 March 2007 10:20 (30 minutes)*

**Author:** CHEN, Chin-Tu

**Presenter:** CHEN, Chin-Tu

**Session Classification:** Timing detector session I

Contribution ID: **18**

Type: **not specified**

## **Discussion of timing at 10 and 100 ps for charged particles and photons in PET cameras**

*Friday 9 March 2007 11:20 (30 minutes)*

**Author:** LEMOIGNE, Yves

**Presenter:** LEMOIGNE, Yves

**Session Classification:** Timing detector session I

Contribution ID: **19**

Type: **not specified**

## **Discussion session: Simulation, medical applications**

*Friday 9 March 2007 11:50 (1 hour)*

**Session Classification:** Timing detector session I

Contribution ID: **20**

Type: **not specified**

## **220 m pots in ATLAS**

*Friday 9 March 2007 14:00 (20 minutes)*

**Author:** ROYON, Christophe

**Presenter:** ROYON, Christophe

**Session Classification:** Timing detector session I

Contribution ID: 21

Type: **not specified**

## Conceptual design studies of TOF endcap DIRC for PANDA

*Friday 9 March 2007 14:20 (30 minutes)*

**Author:** EHRENFRIED, Markus

**Presenter:** EHRENFRIED, Markus

**Session Classification:** Timing detector session I

Contribution ID: 22

Type: **not specified**

## **Picosecond timing for application in Cherenkov detectors**

*Friday 9 March 2007 14:50 (30 minutes)*

**Author:** HOEK, Matthias

**Presenter:** HOEK, Matthias

**Session Classification:** Timing detector session I



Contribution ID: 23

Type: **not specified**

## FNAL developments on fast timing

*Friday 9 March 2007 15:20 (30 minutes)*

**Author:** HOGAN, Nguyen

**Presenter:** HOGAN, Nguyen

**Session Classification:** Timing detector session I

Contribution ID: 24

Type: **not specified**

## Discussion about next steps

*Friday 9 March 2007 15:50 (1h 10m)*

**Session Classification:** Timing detector session I