

## **Session Program**

**20-23 Feb 2017**

### **RD51 Mini-Week**

#### ***Precise timing workshop***

CERN, 6/2-024 - BE Auditorium Meyrin

# Tuesday 21 February

09:00

## Precise timing workshop

**Session** | **Location:** CERN, 6/2-024 - BE Auditorium Meyrin

09:00–09:05 **Welcome**

### Speakers

Leszek Ropelewski, Silvia Dalla Torre

09:05–09:20 **Intro**

### Speakers

Sebastian White, Eraldo Oliveri

09:20–09:45 **Fast timing with Micromegas: Status and Plans**

### Speaker

Thomas Papaevangelou

09:45–10:15

## Progress report on the analysis of PICOSECOND-MICROMEGAS test beam and calibration data: techniques and studies

### Speaker

Spyros Tzamaras

10:15–10:40 **FAST project - Precision timing with crystal + SiPM**

### Speaker

Marco Toliman Lucchini

10:40–11:00 **Coffee Break**

11:00–11:25 **Results and Plans for HyperFast Silicon based on 2016 PICOSEC data**

### Speaker

Sebastian White

11:25–11:50 **The LAPPD Project**

### Speaker

Michael J. Minot

11:50–12:15 **LGAD**

### Speaker

Fabian Alexander Forster

12:15–12:40 **TOTEM timing Detector**

### Speaker

Mirko Berretti

13:00

14:00

## Precise timing workshop

**Session** | **Location:** CERN, 6/2-024 - BE Auditorium Meyrin

14:00–14:25 **CsI and gaseous detectors**

**Speakers**

Fulvio Tessarotto, Silvia Dalla Torre

14:25-14:50

**New Directions on Robust Photocathodes**

**Speaker**

John Smedley

14:50-15:15

**MPGD Fast Electronics**

**Speaker**

Hans Muller

15:15-15:40

**Fast timing techniques**

**Speaker**

Angelo Rivetti

15:40-16:05

**Using Fast Timing to Separate Scintillation and Cherenkov Light for THEIA at Homestake**

**Speaker**

Josh Klein

16:05-16:25

**Coffee Break**

16:25-16:50

**New Transimpedance Fast preamplifier used in PICOSEC for silicon**

**Speaker**

Mitchell Franck Newcomer

16:50-17:15

**News on “SuperNino”**

**Speaker**

Crispin Williams

17:15-17:40

**Status of development on the SAMPIC Waveform TDC**

**Speaker**

Dominique Robert Breton

17:40-18:05

**new TDC chip to accompany the PETIROC developed by OMEGA group**

**Speakers**

Herve Mathez, Imad Laktineh

18:30

## Wednesday 22 February

09:00

### Precise timing workshop

**Session** | **Location:** CERN, 6/2-024 - BE Auditorium Meyrin

09:00–09:25

#### Advantages of fast sampling for timing measurements

##### Speaker

Nicola Minafra

09:25–09:50

#### Time resolution of a MCP-PMT and test infrastructure in the solid state detector lab

##### Speaker

Matteo Centis Vignali

09:50–10:15

#### A Picosecond X-ray Source

##### Speaker

Filippo Resnati

10:15–10:35

#### Coffee Break

10:35–11:05

#### “Tynodes”

##### Speaker

Harry Van Der Graaf

11:05–11:30

#### A new prototype for the fast timing mpqd (FTM) and the development of fast readout electronics (FATIC)

##### Speakers

Antonio Ranieri, Piet Verwilligen

11:30–11:55

#### Gas detector modelling for fast timing detectors

##### Speaker

Diego Gonzalez Diaz

11:55–12:10

#### RD51 Precise Timing Workshop Closeout

##### Speaker

Leszek Ropelewski

13:10