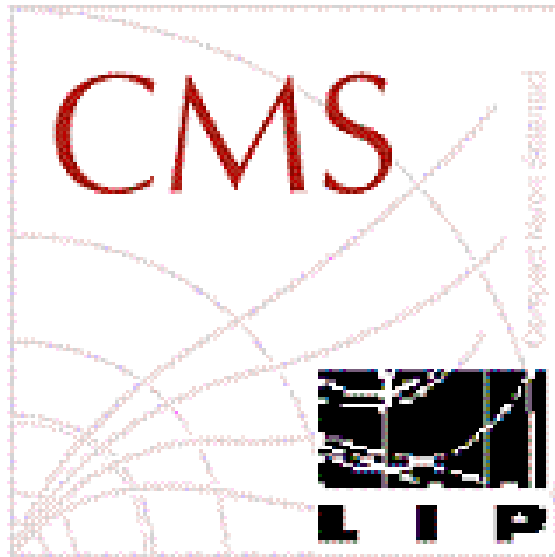


# ECAL OFF-Detector Electronics Workshop



## Report of Contributions

Contribution ID: 0

Type: **not specified**

## Welcome talk

*Thursday 7 April 2005 08:30 (10 minutes)*

Workshop description and goals.

**Author:** VARELA, Joao (LIP)

**Presenter:** VARELA, Joao (LIP)

Contribution ID: 1

Type: **not specified**

## Introduction talk

*Thursday 7 April 2005 08:40 (20 minutes)*

State of the art of the different ECAL experimental areas:

<H3>867, H4 MT <H3>

**Author:** CAMPORESI, Tiziano

**Presenter:** CAMPORESI, Tiziano

Contribution ID: 4

Type: **not specified**

## CCS hardware test and commissioning plan

*Thursday 7 April 2005 09:15 (25 minutes)*

The CCS will present the hardware test and commissioning plans (including timetable if possible). It will also present the detailed list of auxiliary components needed: #crates, #bus adapters, PC's, etc. Out of those lists we will elaborate a single list with the requirements in terms of auxiliary equipment.

**Author:** KLOUKINAS, Kostas (CERN)

**Co-author:** VLASSOV, Eugueni (CERN)

**Presenter:** KLOUKINAS, Kostas (CERN)

**Session Classification:** Electronics Integration Centre (904)

Contribution ID: 5

Type: **not specified**

## SLB and DCC hardware test and commissioning plan

*Thursday 7 April 2005 09:40 (25 minutes)*

The DCC will present the hardware test and commissioning plans (including timetable if possible). It will also present the detailed list of auxiliary components needed: #crates, #bus adapters, PC's, etc. Out of those lists we will elaborate a single list with the requirements in terms of auxiliary equipment.

**Author:** RASTEIRO DA SILVA, Jose Carlos (LIP)

**Presenter:** RASTEIRO DA SILVA, Jose Carlos (LIP)

**Session Classification:** Electronics Integration Centre (904)

Contribution ID: 6

Type: **not specified**

## TCC hardware test and commissioning plan

*Thursday 7 April 2005 10:05 (25 minutes)*

The TCC will present the hardware test and commissioning plans (including timetable if possible). It will also present the detailed list of auxiliary components needed: #crates, #bus adapters, PC's, etc. Out of those lists we will elaborate a single list with the requirements in terms of auxiliary equipment.

**Authors:** BERCHER, Michele (LLR,CNRS/IN2P3); GEEREBAERT, Yannick (LLR)

**Presenter:** GEEREBAERT, Yannick (LLR)

**Session Classification:** Electronics Integration Centre (904)

Contribution ID: 7

Type: **not specified**

## TTC system and test synchronization

*Thursday 7 April 2005 11:00 (20 minutes)*

A review of the TTC system (hardware and software) will be presented for the different experimental areas, the Laser Monitoring and the final system.

**Author:** VARELA, Joao (LIP)

**Presenter:** VARELA, Joao (LIP)

**Session Classification:** Electronics Integration Centre (904)

Contribution ID: 8

Type: **not specified**

## CCS software requirements

*Thursday 7 April 2005 11:50 (15 minutes)*

CCS software requirements for EIC.

CCS will present its debugging tools (CCS gui)

and its monitoring needs. If common tools for System Test Control are needed, the CCS will present its interface to it. Together we should agree/elaborate the needs for a common tool for System Test Control (ECAL Supervisor and test control GUI).

**Author:** VLASSOV, Eugueni (CERN)

**Presenter:** VLASSOV, Eugueni (CERN)

**Session Classification:** Electronics Integration Centre (904)



Contribution ID: 9

Type: **not specified**

## DCC and SLB software requirements

*Thursday 7 April 2005 12:05 (15 minutes)*

DCC and SLB software requirements for EIC.  
DCC and SLB will present its debugging tools (ex. DCC gui) and its monitoring needs. If common tools for System Test Control are needed, the DCC/SLB will present its interface to it. Together we should agree/elaborate the needs for a common tool for System Test Control (ECAL Supervisor and test control GUI).

**Author:** ALMEIDA, Nuno (LIP)

**Presenter:** ALMEIDA, Nuno (LIP)

**Session Classification:** Electronics Integration Centre (904)

Contribution ID: **10**Type: **not specified**

## TCC software requirements

*Thursday 7 April 2005 12:20 (15 minutes)*

TCC software requirements for EIC.  
TCC will present its debugging tools (TCC gui)  
and its monitoring needs. If common tools for System Test Control  
are needed, the TCC will present its interface to it. Together we  
should agree/elaborate the needs for a common tool for System Test  
Control (ECAL Supervisor and test control GUI).

**Authors:** CERUTTI, Muriel (LLR,CNRS/IN2P3); PAGANINI, Pascal (LLR,CNRS/IN2P3)

**Presenter:** PAGANINI, Pascal (LLR,CNRS/IN2P3)

**Session Classification:** Electronics Integration Centre (904)

Contribution ID: **11**

Type: **not specified**

## Database Introduction

*Thursday 7 April 2005 14:30 (20 minutes)*

The current status of the ECAL conditions database and how a **novice** user should use it, will be presented.

**Author:** CAVALLARI, Francesca (Rome University)

**Presenter:** CAVALLARI, Francesca (Rome University)

**Session Classification:** Databases

Contribution ID: 12

Type: **not specified**

## CCS Configuration and Conditions database

*Thursday 7 April 2005 15:10 (20 minutes)*

<p>CCS will present its configuration database (status and prospects), and the requirements to the  
<b>Generic Device Configurator</b>, if any.</p>

<p>CCS should also answer the question: which CCS data will be in conditions database?<p>

**Author:** VLASSOV, Eugueni (CERN)

**Presenter:** VLASSOV, Eugueni (CERN)

**Session Classification:** Databases

Contribution ID: 13

Type: **not specified**

## DCC Configuration and Conditions database

*Thursday 7 April 2005 15:30 (20 minutes)*

<p>DCC will present its configuration database (status and prospects) and the requirements to the  
<b>Generic Device Configurator</b>, if any.</p>

<p>DCC should also answer the question: which DCC data will be in conditions database?</p>

**Author:** ALMEIDA, Nuno (LIP)

**Presenter:** ALMEIDA, Nuno (LIP)

**Session Classification:** Databases

Contribution ID: 14

Type: **not specified**

## TCC Configuration and Conditions database

*Thursday 7 April 2005 16:20 (20 minutes)*

TCC will present its configuration database (status and prospects), and the requirements to the **Generic Device Configurator**, if any.

TCC should also answer the question: which TCC data will be in conditions database?

**Authors:** CERUTTI, Muriel (LLR,CNRS/IN2P3); PAGANINI, Pascal (LLR,CNRS/IN2P3)

**Presenter:** PAGANINI, Pascal (LLR,CNRS/IN2P3)

**Session Classification:** Databases

Contribution ID: 15

Type: **not specified**

## SRP Configuration and Conditions database

*Thursday 7 April 2005 16:40 (20 minutes)*

<p>SRP will present its configuration database (status and prospects), and the requirements to the  
<b>Generic Device Configurator</b>, if any.</p>

<p>SRP should also answer the question: which SRP data will be in conditions database?</p>

**Authors:** MANDJAVIDZE, Irakli (DAPNIA, CEA Saclay); GRAS, Philippe (DAPNIA, CEA)

**Presenter:** MANDJAVIDZE, Irakli (DAPNIA, CEA Saclay)

**Session Classification:** Databases

Contribution ID: 16

Type: **not specified**

## ECAL Configuration database

*Thursday 7 April 2005 14:50 (20 minutes)*

<p>A propoosal for the ECAL Configuration database will be presented. In particular the "Partition Configuration" and the "Run Type" configuration of the system. During this talk the Equipment Management database will be revised.</p>

**Author:** ALEMANY, Reyes (LIP)**Presenter:** ALEMANY, Reyes (LIP)**Session Classification:** Databases



Contribution ID: 17

Type: **not specified**

## ECAL Trigger and Readout software architecture/integration

*Friday 8 April 2005 08:30 (30 minutes)*

A proposal for the software architecture of the final system will be presented. Then we will discuss if it is adequate and fulfills the needs of the different devices including SRP system (for which a dedicated talk is foreseen to understand its requirements) and DCC- PreShower.

**Author:** ALEMANY, Reyes (LIP)**Presenter:** ALEMANY, Reyes (LIP)**Session Classification:** Software architecture (in view of the final system)

Contribution ID: **18**

Type: **not specified**

## SRP software architecture/integration

*Friday 8 April 2005 09:00 (30 minutes)*

<p>What are the SRP software needs in view of the final system. How can be integrated with the rest of the devices.</p>

**Authors:** MANDJAVIDZE, Irakli (DAPNIA, CEA Saclay); GRAS, Philippe (DAPNIA, CEA Saclay)

**Presenter:** MANDJAVIDZE, Irakli (DAPNIA, CEA Saclay)

**Session Classification:** Software architecture (in view of the final system)

Contribution ID: 19

Type: **not specified**

## Monitoring Farm (Laser & Pedestals)

*Friday 8 April 2005 11:00 (1 hour)*

<p>During this session the following items will be presented: <ul> <li> hardware infrastructure;  
</li> <li> software infrastructure (integration with the other modules);</li> <li> DB requirements (EMDB, Configuration and Conditions), at the different experimental areas and for the final system;  
</li> <li> definition of interfaces to the readout and trigger systems </li> </ul>

**Authors:** VERRECCHIA, Patrice (DAPNIA, CEA Saclay); GRAS, Philippe (DAPNIA, CEA Saclay)

**Presenter:** VERRECCHIA, Patrice (DAPNIA, CEA Saclay)

**Session Classification:** Monitoring Farm (Laser & Pedestals)

Contribution ID: 20

Type: **not specified**

## SRP System

*Friday 8 April 2005 14:30 (1 hour)*

SRP system: status and test plans will be discussed here since software and DB issues are discussed in other sessions. An important question should be answer during this workshop: how is going to take place the “integral test” of the SRP system after installation in USC5 and without external triggers.

**Authors:** MANDJAVIDZE, Irakli (DAPNIA, CEA Saclay); GRAS, Philippe (DAPNIA, CEA Saclay)

**Presenters:** MANDJAVIDZE, Irakli (DAPNIA, CEA Saclay); GRAS, Philippe (DAPNIA, CEA Saclay)

**Session Classification:** SRP System

Contribution ID: **21**

Type: **not specified**

## Hardware and software work organization

*Friday 8 April 2005 17:00 (45 minutes)*

Hardware and software work organization  
(# Racks, # Crates, #Bus adapters, etc needed; DCC-T & TCC-T),  
software strategies for the different experimental areas.

**Author:** FAURE, Jean Louis

**Presenter:** FAURE, Jean Louis

Contribution ID: 22

Type: **not specified**

## Workshop summary

*Friday 8 April 2005 17:45 (45 minutes)*

**Authors:** BUSSON, Philippe (LLR,CNRS/IN2P3); ALEMANY FERNANDEZ, Reyes (LIP Laboratorio de Instrumentaco e Fisica Experimental de Particulas)

**Presenter:** BUSSON, Philippe (LLR,CNRS/IN2P3)

Contribution ID: 23

Type: **not specified**

## Overview of ECAL activities at the Electronics Integration Centre

*Thursday 7 April 2005 09:00 (15 minutes)*

**Author:** NASH, Jordan (CERN)

**Presenter:** NASH, Jordan (CERN)

**Session Classification:** Electronics Integration Centre (904)