

MM General Meeting
5/6 November 2013
Introduction

MAIN OBJECTIVES

- Review Detector Construction Status
- **PREPARATION OF JANUARY MEETING**
- Define criteria for decisions on construction method(s)
- Timeline, **Milestones** and path to the construction of Module_0
- Instrumentation for Test-stands and QA/QC at Construction Sites - **includes elx**
Initial discussion to define a QA/QC protocol
- Plans for 2014 (besides Module constructions)
- Test-Beam Studies and analyses (where we stand and how we proceed)
- Simulations and Optimization of Operating Conditions
- MM Project Organization
 - List of Activities
 - The MicroMegas Collaboration
 - Roles and policies

LM2 construction → Start-up phase

- Work share Dubna/Thessaloniki
- Establish short/longer term plans for Dubna and Thessaloniki in the construction.
- Milestone of the mechanical Module

QA/QC

- X-ray scanner proposal of Russian Institutes establish needs and distribution

Electronics

- Define FE elx and read-out systems at test-stand and collect requests for VMM2 chips (VMM2 chip most likely will be the chip in use for the next 2 years → production sites and cern should base the read-out on it)

DRAFT AGENDA – TUESDAY 5/11

Tuesday, 5 November 2013

- 11:15 - 11:25 **Introduction 10'**
Speaker: Mauro Iodice (INFN - Sezione di Roma Tre)
- 11:25 - 11:50 **Steps to PCB Production and pre-stretched Mesh procurement 25'**
Speaker: Rui De Oliveira (CERN)
- 11:50 - 12:05 **Report on Resistive Strips Preparation 15'**
Speaker: Dr. Atsuhiko Ochi (Kobe University (JP))
- 12:05 - 12:25 **QA/QC for PCB 20'**
Speaker: Fabian Kuger (Bayerische Julius Max. Universitaet Wuerzburg (DE))
- 12:25 - 14:00 **LUNCH Break**
- 14:00 - 14:20 **Status and Procurement of VMM2 chips for Module-0 tests 20'**
Speaker: Venetios Polychronakos (Brookhaven National Laboratory (US))
- 14:20 - 14:50 **QA/QC General Strategies and DataBase Issues 30'**
Speaker: Paolo Iengo (INFN Napoli (IT))
- 14:50 - 15:05 **Specific Instrumentation for Test-Stands: The X-ray scanner 15'**
Speaker: Serge Smirnov (Moscow State Engineering Physics Institute (RU))
- 15:05 - 15:20 **Chamber completion and tests at CERN 15'**
Speaker: Paolo Iengo (INFN Napoli (IT))
- 15:20 - 15:40 **Status of NSW Read-out 20'**
Speaker: Kenneth Johns (University of Arizona (US))
- 15:40 - 16:00 **COFFEE BREAK**
- 16:00 - 16:20 **SRS Read-Out System 20'**
Speaker: Sorin Martoiu (IFIN-HH Bucharest (RO))
- 16:20 - 16:40 **MM Chamber (MSW) Read-out in ATLAS in 2014 20'**
Speaker: Andre Zibell (Ludwig-Maximilians-Univ. Muenchen (DE))
- 16:40 - 17:10 **MM Project Organization Issues 30'**
Speaker: Mauro Iodice (INFN - Sezione di Roma Tre)

**PCB Industrialization,
Procurement, QA/QC**

**Elx equipment and
QA/QC at Construction Sites
and Chamber Completion at
CERN (BB5)**

Initial discussion for the
definition of a QA/QC protocol

**Read-out and DAQ
systems**

Organization Issues:
NSW SG, List of activities, publication policy,...

DRAFT AGENDA – WEDNESDAY MORNING 6/11

Wednesday, 6 November 2013

- 09:00 - 09:20 **Status Update on Mechanical Prototype at CERN 20'**
Speaker: Givi Sekhniaidze (Universita e INFN (IT))
- 09:20 - 09:40 **Status Update on Mechanical Prototype in Germany 20'**
Speaker: Ralf Hertenberger (Ludwig-Maximilians-Univ. Muenchen (DE))
- 09:40 - 10:00 **Status Update on Mechanical Prototype in Rome 20'**
Speakers: Cesare Bini (Universita e INFN, Roma I (IT)), Francesco Lacava (Univ. Pavia (IT))
- 10:00 - 10:20 **Status Update on Mechanical Prototype in Pavia 20'**
Speaker: Gabriella Gaudio (INFN-Pavia)
- 10:20 - 10:40 **Status Update on Mechanical Prototype at Saclay 20'**
Speaker: Fabien Jeanneau (CEA/IRFU, Centre d'etude de Saclay Gif-sur-Yvette (FR))
- 10:40 - 11:00 **Status and Plans from Dubna 20'**
Speaker: Alexi Gongadze (Joint Inst. for Nuclear Research (RU))
- 11:00 - 11:20 **Status and Plans from Thessaloniki 20'**
Speaker: Dimos Sampsonidis (Aristotle Univ. of Thessaloniki (GR))
- 11:20 - 11:40 **COFFEE BREAK**
- 11:40 - 12:00 **Update on Functional Prototype at CERN 20'**
Speaker: Joerg Wotschack (CERN)
- 12:00 - 12:20 **Update on Functional Prototype at Frascati 20'**
Speaker: Giovanni Maccarrone (Istituto Nazionale Fisica Nucleare (IT))
- 12:20 - 12:40 **Update on Functional Prototype at Saclay 20'**
Speaker: Fabien Jeanneau (CEA/IRFU, Centre d'etude de Saclay Gif-sur-Yvette (FR))

**Updates on
Mechanical Prototypes**

**Status and Plans from Dubna
and Thessaloniki for LM2
construction**

**Updates on Functional
Prototypes**

DRAFT AGENDA – WEDNESDAY AFTERNOON 6/11

Wednesday, 6 November 2013

12:40 - 14:00 LUNCH BREAK

14:00 - 14:10 Design of the Spacer Frame 10'

Speaker: Patrick Ponsot (CEA/IRFU, Centre d'etude de Saclay Gif-sur-Yvette (FF)

14:10 - 14:20 Alignment in-plane system 10'

Speaker: Patrick Ponsot (CEA/IRFU, Centre d'etude de Saclay Gif-sur-Yvette (FF)

14:20 - 14:30 The Gas Distribution System 10'

Speaker: Theodoros Alexopoulos (National Technical Univ. of Athens (GR))

14:30 - 14:50 Proposal of measurements on mechanical prototypes 20'

Speaker: Patrick Ponsot (CEA/IRFU, Centre d'etude de Saclay Gif-sur-Yvette (FR))

14:50 - 15:00 Criteria for decision on panel construction and assembly method(s) 20'

Speaker: Joerg Wotschack (CERN)

15:00 - 15:40 Discussion 40'

15:40 - 16:00 COFFEE BREAK

16:00 - 16:20 Status and Plans for Data Analysis 20'

Speaker: Mauro Iodice (INFN - Sezione di Roma Tre)

16:20 - 16:40 Simulation and Optimization of Operating Conditions 20'

Speaker: Theodoros Alexopoulos (National Technical Univ. of Athens (GR))

16:40 - 16:55 Test-Beam Program for Next Year 15'

Speakers: Theodoros Alexopoulos (National Technical Univ. of Athens (GR)), Paolo Iengo (INFN Napoli (IT))

- Design of the Spacer
- Alignment in-plane system
- The Gas Distribution System

PREPARATION FOR January/
February Meeting :
Define criteria for decision on
panel construction and assembly
method(s)
- Timeline and Milestones
- Path for the Module_0

Analyses, Simulations,
Performance studies

When searching for Meetings by Categories:

This Meeting, as well as our Tuesday Weekly Meetings, are in the category:
ATLAS Meetings >> Upgrades for High Luminosity >> Working Groups and R&D projects

Starting on January 2014 we will use the category:

ATLAS Meetings >> Muon Spectrometer >> Upgrade (>> NSW)

 *To be created*