

## Summary of the LEAF meeting of July 3<sup>rd</sup> 2006

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Present: L. Linssen, J.-J. Blaising, A. Herve, A. Ball, P. Lebrun, G. Passardi, G. Perinic, N. Delruelle, J. Bremer, D. Duret, E. Sbrissa, H. Wendler.

[Follow-up actions in blue](#)

### Agenda:

	<b>Approval of the minutes of June 12<sup>th</sup> 2006</b>	
<b>1</b>	<b>Introduction: ECR group structure and mandate</b>	<b>Georgio Passardi (AT/ECR)</b>
<b>2</b>	<b>CMS cryogenics</b>	<b>Goran Perinic (AT/ECR)</b>
<b>3</b>	<b>ATLAS liquid helium cryogenics</b>	<b>Nicolas Delruelle (AT/ECR)</b>
<b>4</b>	<b>ATLAS liquid argon cryogenics</b>	<b>Johan Bremer (AT/ECR)</b>
<b>5</b>	<b>Other ECR activities</b>	<b>Georgio Passardi (AT/ECR)</b>
	<b>AOB</b>	

After small modifications suggested by P. Strubin and R. Veness, the minutes of the meeting of June 12<sup>th</sup> 2006 were approved.

#### **1 Introduction: ECR group structure and mandate (G. Passardi)**

See transparencies.

The structure, mandate and staffing have been shown.

#### **2 CMS cryogenics (G. Perinic)**

See transparencies.

The WP agreement has been revised few times and is presently undergoing further modifications. The WP includes the M&O phase.

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The system is operating since March 2006 on the surface at the nominal operation temperature and is performing well. The operational experience has given rise to a few identified areas for improvement of the installation. These consolidation tasks will amount to ~300 kCHF and still need to be discussed in detail.

Priority has been given to the slow dump (in case of power cuts and/or quenches) above the fast dump.

### **3 ATLAS liquid helium cryogenics (N. Delruelle)**

See transparencies.

Philippe Lebrun asked if future upgrades of the experiment to reach nominal  $10^{34}$  luminosity will require changes to the cryogenics.

[The situation of upgrades should be clarified with ATLAS.](#)

### **4 ATLAS liquid argon cryogenics (J. Bremer)**

See transparencies.

The control software is UNICOS, an industrial product used CERN-wide.

The flexible transfer lines have been tested with Nitrogen.

Philippe Lebrun mentioned that the M&O contract with an external consortium has been extended by one year (up to mid 2008). It concerns the running, operation and maintenance of all cryogenics. Re-tendering or in-house options are under consideration. The operation of the machine cryogenics involves different people but is of a similar nature.

### **5 Other ECR activities (G. Passardi)**

See transparencies.

For new projects WPs are normally set up to define the construction phase. Costs for operations are usually charged to the larger projects, but normally not to the very small clients. An exception is made for the “recognized experiments”, who have to cover the full cost related to their project.

The AT operation budget generally covers the CERN-wide cryogenic fluid supply service, fluid losses and the operation of the Cryolab.

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J.-J. Blasing enquired if requests for funding are required in the near future. ECR will lose many people after the construction and commissioning. This will create a staffing problem since budget cuts to ECR are envisaged by the DG.

The funding situation for ATLAS and CMS is stable until end 2009.

Philippe Lebrun mentioned that substantial upgrades are not covered and the manpower situation for 2008 and 2009 is critical.

**Next meeting: no new date was fixed. Meetings will be called when the need appears.**

Minutes written by Helmut Wendler.

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