

AMS TIM Conclusions

July 19, 2004

- 1) How many days at 0° , -1° , during three years on the ISS for the cryocoolers? : **Marco Molina**
- 2) **Temperature survival range** for each detector: **Marco Molina**
and electronics: **Mike Capell.**
- 3) **Warm helium tank information** to Trent Martin: **Jurgen Ulbricht**
- 4) **Contacts for Sub-detector electronics (Giovanni Ambrosi):**
 - Contact for **TOF electronics**: **Diego Casadei**
 - Contact for **ECAL electronics**: ?
 - Contact for **RICH electronics**: **Jesus Marin**
- 5) **Cable routing** between RICH, ECAL and USS (**Franco Cervelli, Giuliano Laurenti**)
- 6) **Lockheed Martin representative** at Beijing in October 2004 to ensure ECAL assembly complies with NASA procedures before closing and sealing the ECAL.
- 7) **Request approval from Project Manager** for:
 - 2 ACOPs
 - 3000 Watts power
- 8) **Contingency plan for TTCS** if it does not work.
What is the implication if we switch off the magnet?

9) **AMS Assembly Team at CERN,**
led by **G. Laurenti, R. Becker, B. Hungerford**

First step: Engineering considerations

- 1- TRD **Klaus Lübelmeyer**
- 2- TOF **Giuliano Laurenti**
- 3- VETO **Wolfgang Wallraff**
- 4- Tracker **Eric Perrin, Giovanni Ambrosi**
- 5- RICH **Giuliano Laurenti**
- 6- ECAL **Franck Cadoux, Marco Incagli**
- 7- Electronics **Alexei Lebedev**
- 8- Thermal system **Joe Burger, Marco Molina**

They are to provide engineering studies of detailed assembly sequence and present them to Bill Hungerford for discussion with NASA.

10) **Risk Assessment:**

Representative from AMS to NASA APO: **Bill Hungerford**

11) **Next AMS TIM: October 19-23, 2004 at Johnson Space Center, Houston, USA.**

Agenda:

Monday 18 October: Δ Thermal CDR & individual group meetings.

Tuesday 19 October: Δ Thermal CDR & individual group meetings.

Wednesday 20 October: Phase II Safety Review rehearsal.

Thursday 21 October: Phase II Safety Review rehearsal

Friday 22 October: AMS TIM

Saturday 23 October: AMS TIM.

- 12) **TTCS Electronics:** X. Jiang and V. Koutsenko work together.
Meeting in my office 1st week of September
- 13) **Weight of CGS Crate design must not increase (Marco Molina).**
- 14) **CAB Engineering model** by June 2005.
- 15) **QM Module for PDS**
- 16) **Total Power 2300 Watts.**