

ROB Status

HPTDC's

- HPTDC's are tested at CERN before delivering to Madrid, and they are separated in two groups: the ones that pass the test at 2.9V and at 2.7V.
- As we have seen some discrepancies on the CERN tests we check again the 2.7V HPTDC's at CIEMAT.

ROB-128

- In Dec. 03 some of the first 180 ROB's were repaired with a first batch of 350 HTPDC's: **110 ROB's are working properly.**
- By the beginning of February 6000 HPTDC's arrived at Madrid:
 - 3000 u. that passed tests at 2.9V at CERN.
 - 3000 u. that passed tests at 2.7V.
- 4000 u. were used to assemble **1000 ROB's.**
- They are being tested at industry at this moment, and we will receive a first batch of **300 ROB's this week.** Remaining ROB's won't be needed until May-June.
- BURN-IN:
 - 1 week at 50°C, powered and clocked.
 - 79 ROB's already passed, remaining 31 will finish soon.
 - Rate of 24 ROB's/week, will be increased to 48 ROB's/week.

ROB-32

- All **69 ROB-32** have been assembled, tested and have done burn-in:
 - 65 are ready for assembly.
 - The remaining 4 will have to be checked for failures.

MINICRATE Status

New chamber installation plan: first YB+2 and then YB+1. YB+2 requires 36 MC's:

MC Mechanics

Most of the small pieces are already produced,
(except SB cover).

Boxes	Qty	Comments
MB1	All	<i>Produced in Aachen. Now in Madrid. They need SB cover modification.</i>
MB2/MB4	16	<i>Produced in Madrid</i>
MB3	6	<i>Produced in Padova. Now in Madrid. They need SB cover modification.</i>
MB3	58	<i>Ordered in Padova. 10-15 still to be machined according to final drawings. Rest to be modified.</i>
MB4 (8/10)	5	<i>Produced in Madrid</i>
MB4 (9/11)	9	<i>Produced in Aachen. Now in Madrid. They need SB cover modification.</i>

From now on, all MB4 will be produced at CIEMAT.

10 MB1

10 MB2

10 MB3

2 MB4/4

2 MB4/9-11

2 MB4/10

MINICRATE Status (2)

- We have 16 MC's assembled at different stages.
- Read-out test program is ready.
- The Read-out part will be tested at Madrid with the CCB we have there.
- Assembly stopped due to the SB cover problem.

- In order to fit MC covers in the best possible way in November 2003 I proposed to displace CCB/SB boards 6.5 mm to the left. Discussed this option with Lorenzo I understood he agreed with this solution.
- In February we discovered there was a misunderstanding and the displacement of CCB/SB boards was not possible, due to trigger bridges, and all boards must be equally spaced inside MC's.
- As a conclusion most MC's have been machined according to the wrong CCB/SB position.
- We have been stopped for 4 weeks to understand the problem and find a solution.
- All boxes machined up to now (~ 135) must be reworked to add a new hole to support SB cover.

PLANNING:

- We expect to send 16 MC to Padova mid April, assembled with ROB's and RO link boards but without CCB/SB and Link boards
- We will be able to keep a production rate of 12 MC/month.