

Cathode Production Status

CMS Week March 5th 2002

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Protvino News since December CMS week

- 7-17/12/01 Installed Plotter 2 and second HV test station. Driver board broken on P2. Problems with I-beam shipment (bad boxes).
=> Production with P1
- 15-25/01/02 P2 commissioned, Control board broken on HV Test. Large fraction of oxidized I-beams due to improper packing. Production continues with:
=> PHI MB1 on P1 and MB2 on P2 but only one HV test station.
- 08/02/02 MB1 Program corrupted on P1, Aluminum cycle error => Patch to complete cycle

- 13/02/02 P1 problem, Emergency on x-drive (long axis), movement blocked (Notified on 15/02)
- 21/02/02 Problem solved (?) by HV test technician
- 22/02/02 Second HV test station operational again.
 - => 380 - 400 Cathodes produced in a Normal day
 - => HV test is a bottleneck with 90 cathodes/HV station
360 tested cathodes/day with two runs
 - => Production rate also limited by availability of clean I-beams (organization)
 - => QC bookkeeping still missing

Cathode Production Summary 28/02/2002

Type	Boxes Cathodes	Tested	To Test	Total
PHI	9 8490	740	281	9511
MB1	1 902	19	160	1081
MB2	1 902			902

Next Shipment: 9 PHI, 2 MB1, 1 MB2 (26/03/02)

Aachen: 1820 MB1, 2690 PHI;

CIEMAT: 902 MB2, 2770 PHI; Legnaro: 3014 PHI

November I-beam shipment

The shipment consists of 41 boxes:

- 1) 12 boxes have correct plastic lining that protects the extrusion from humidity.
- 2) 3 boxes were done with poor quality wood impregnated with humidity or rotten.
- 3) 26 boxes have bad plastic lining that leaves the extremities open to humidity and dirt.

Twelve boxes have been checked:

- 6 from point 1); all of acceptable quality
- 5 from point 3); extrusions discarded due to oxidation:
 - 90% in 2 boxes,
 - 60% in 1 box,
 - 10% in 1box
 - negligible in 1 box.
- 1 box from point 3); all extrusion to be discarded.

Bad boxes are two PHI and one MB1

November I-beam Shipment

- Erbsloeh representatives will go to Protvino as soon as Visa are available

=> Action on damaged material

- Boxes and packing will be improved

- Next 15 ton extrusion already underway:

4620 MB1, 5192 MB3, 6497 PHI produced

=> No problem for cathode production

=> When are Chimney type cathodes needed?

(Recycle from damaged extrusions??)