

Status of material needed to produce Superlayers and Chambers

An EXCEL file with the complete list of components, as of september 2002, is available at the CIEMAT Quality Control WEB page:

<http://wwwae.ciemat.es/cms/QC.html>

A new version, updated to december 2002, will be available in a few days in the same page. It will include the status of the material already used and the material available and ready to be used in the 4 labs (Aachen, CIEMAT, Legnaro and Torino)

Once you input the number of SL's mechanically finished, the material received and the rejected material (if any), the program calculates, for each item, how long you can continue the production without receiving a new shipment from the supplier.

Components needed for SL assembly

Plates and I beams are in good shape:

There is a stock in all labs for several months

Some problems detected (according to the file):

Aachen: Urgently needing DC6 and DC7
and also LV connectors

Legnaro: Urgently needing DC6 and FE stuff
as well as LV connectors

This need is real for the LV connectors but, very likely, in some other cases the information in the file is wrong.

I would appreciate that, at least for some items, responsible persons check that the numbers in the file, for all labs, are consistent with their expectations.

- H. Reithler:** Wire, Crimping blocks, Corner blocks + Columns, Gas and Cooling parts, Honeycomb panels.
- M. Di Giorgi:** HV side: (daisy chains, HVB's, wire bunches, Pins for HV connectors), and FE side: (HVC boards)
- M. Pegoraro:** FE boards, Feedthroughs, SC connectors, TP connectors, Internal bus, Predecode bus, Cu-Be contacts
- C. Willmott:** LV connectors, Endplugs and other plastic pieces, Alum.
(M. Cerrada) frames, HV connectors
- M. Benettoni:** Spring contacts, front groundings, HVB plastic supports, gas tube and plugs (HV side), gas and water plugs (FE side).

Is the material, completely delivered, enough for the full production?

The amount of material needed to finish the 250 chambers + spares should be carefully checked. It might be difficult to place some orders in a few years from now for some of the chamber components.

Components needed for chamber finishing

Honeycomb Panels (H. Reithler)

(next delivery either in december or january.
All panels should be finished in 2003)

HV cables (M. Di Giorgi)

(first batch ready by march 2003, a second one in may 2003)

LV cables and Splitter boards, signal, TP and other cables (M. Pegoraro)

(not yet clear when they will be available)

Cable Trays (M. Benettoni) (still not completely defined)

Minicrates (C. Willmott) (working on prototypes)

RPC pads (OK. All have been delivered)

Chamber support pieces (a few available, and the rest in production).

CIEMAT 50% and Padova 50%

Gas and cooling infrastructure (most of it available beginning 2003)

Aachen responsibility

Alignment stuff (forks, electronics, ...) (most of it available beginning 2003)

under G. Bencze responsibility

Conclusions

Chamber production problems are no longer a consequence of missing components.

However, there is still a long way to go before chambers can be considered completely finished and ready for installation.