

Collimator Design Meetings

Minutes of the meeting 66 (12/05/2005)

Present: Aberle, Assmann, Bertarelli, Chamizo, Kadi, Masi, Mayer, Perret

TEST PROGRAM FOR COLLIMATOR PROTOTYPES

1. A test set-up is presented by Alessandro Masi to measure the torque of the collimator stepper motor. Three different solutions for the bench are proposed. One is inspired to a product of Magtrol (www.magtrol.com)
2. The list of mechanical tests to be performed on 3rd collimator is not yet available. To be followed up!

DESIGN OF SUPPORTS

1. A proposal is made by Roger to coherently organize the acquisition of the support components (divided in upper support, central support and lower support).
2. Given the purchase amount, a Market Survey might be unnecessary (a Price Inquiry should be enough).
3. Installation of supports in the tunnel is foreseen for March 2006.
4. A full support prototype is being manufactured at the central workshop (upper table already well advanced).

FUNCTIONAL SPECIFICATION FOR TRANSFER LINE ABSORBERS

1. No news yet.

WATER PLUG-IN

1. Contacts have been taken with a possible supplier. Roger has sent them a proposition for an adjustable pivoting quickplug.
2. A counter-proposal from the manufacturer is awaited for next weeks.

WATER DISTRIBUTION SYSTEM

1. Contacts have been maintained by Manfred with TS/CV (Principe). A definitive solution is still under study.
2. Decision has been taken by ICL to move the air conditioners close to the collimators to the tunnel ceiling, avoiding possible problems from water leaking.

ASSEMBLING OF COLLIMATOR #3

1. The assembling of 1st collimator bloc is expected to be completed by week 20.

AOB

1. Roger is designing a unique spreader bar to lift and handle all collimator types.

ACTION LIST to be followed up:

Play between motor spindle and jaw	#34	Roger
Updated calculation on beam optics during transients	#49	Ralph
Collimator installation and handling tools (vrs. 6.5)	#56	Keith
Manufacturing of 3 rd Collimator prototype	#60	Oliver
Test program for Collimator prototypes	#61	Oliver