

Collimator Design Meetings

Minutes of the meeting 45 (14/10/2004)

Present: Aberle, Assmann, Bertarelli, Chiaveri, Decorvet, Kadi, Losito, Perret, Sievers

Minutes # 44: urgent item raised at CDM #41 on RF bench motor and control availability was closed since R. Losito informed that this material is already available. On the other hand a list of requirements for the motor/control operations should be released.

FOLLOW UP TO IT

1. So far no relevant answer to the IT was received.

ACTIONS TO BE TAKEN FOR SPECIAL COLLIMATORS

1. The Call for Tender just released only concerns 40 collimators (TCS + TCP). In spite of this, the design activity for "special" collimators continues and, as far as possible, should be finalized by December 2004. Design details which are not available by that date, should be defined by March 2005 at the latest.
2. By December 2004 also the design of the different types of support for the various Collimator configurations are demanded. This should be feasible but should be checked for compatibility with the Design Office workload.

STATUS OF RF CONTACT TEST BENCH

1. Roger has released the preliminary drawings for the workshop to order blank material. Unfortunately, due to the shortage of material in Cern stores it might take longer than initially expected for the hardware manufacturing. Definitive drawings will be released by week 43.

AOB

1. Roger reminded the list of information and data to be supplied to finalize the design. This concerns in particular:
 - a. Electrical plug-in
 - b. Water plug-in (manual or automatic)
 - c. Potentiometers and position sensors
 - d. Temperature gauges
 - e. Switches
 - f. Accelerometers
2. If decisions are not taken ASAP finalization of design might be put in jeopardy!! Fabrice and Roberto informed that an answer on electrical plug in should be given in two weeks time. Details on water plug-in should be given by Manfred.
3. A decision on the jaw material to use should be taken ASAP. A presentation on this regard will be given by Alessandro at next CDM.

ACTION LIST to be followed up:

Divisional request for motors MS	#31	Oliver, Fabrice, Stefano
Heat transfer – final report	#31	Sergio
"plug-in" position control unit	#32	Roger, Fabrice
Drilling holes after phase one – grooves in tunnel floor	#33	Oliver
Contact fingers – model for tests top and side	#34	Sergio, Roger
Play between motor spindle and jaw	#34	Roger
Non-symmetric heating of vacuum flanges	#34	Vasilis, Oliver, Miguel, Rathjen
"Remote control" collimator exchange	#35	Keith, Roger
Radiation issues – heat evacuation, air duct, space, shielding		Ralph

Electrical plug-in	#36	Oliver, Fabrice, Roger
Preparation of all raw-material list and order	#40	Oliver, Raymond
Detailed information on electrical plug-in and sensors (URGENT)	#45	Fabrice, Roberto
Detailed information on water plug-in (URGENT)	#45	Manfred
Presentation on jaw material (URGENT)	#45	Alessandro