

Collimator Design Meetings

Minutes of the meeting 42 (08/09/2004)

Present: Aberle, Bertarelli, Chiaveri, Kershaw, Mayer, Perret

Minutes # 41: no comments were given

SPECIFICATION FOR IT

1. A Technical Specification Committee (TCM) has been called for the 23/09/2004
2. Status of the drawings: drawings are being finalized and will be issued on schedule.
3. Specification draft: the document and annexes are being prepared by Oliver. They will be made available for the TCM.

RF fingers model

1. One LEP motor is available. A status check ("état des lieux") is being made by Oliver and Fabrice to check the available material (cables and controls). Answer to be given by Sept, 16.
Action Oliver
2. Drawings of test set-up will be ready by beginning of October (Roger)
3. Test mock-up components should be manufactured by end of October.

Final version of Questions for CFC manufactures

1. A draft list of questions is presented by Manfred. It is commented and approved. In particular it is decided that the jaws will be manufactured and delivered in a single lot of 110 pieces (including 10 spares)

AOB

1. A decision on the material to be used for the metallic jaws for Phase 1 collimators should be quickly taken (Copper or Tungsten), taking into account the mechanical drawbacks of the tungsten solution.
2. The motor MS should be launched by beginning of October in order to respect the March 2005 Finance Committee.
3. Given the radiation level much lower than initially predicted, a reassessment of the Motor specifications should be carried out.
Action Fabrice
4. A specific test is being organized to measure the torque of LEP motors, as it seems less than expected.

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
Fingers model: motors and control available URGENT	#41	Oliver, Fabrice
Reassessment of Motor specification (low radiation)	#41	Fabrice