

# Collimator Design Meetings

## Minutes of the meeting 60 (24/02/2005)

**Present:** Aberle, Assmann, Bertarelli, Calatroni, Chiaveri, Hanni, Mayer, Perret

**Minutes # 59:** Raymond informed that graphite jaws for TCDI have been ordered. A pre-series will be delivered by mid March, the remainder by mid April.

### **PURCHASE PROCEDURE**

1. A price inquiry is to be launched for the table assembly ("platine"). All drawings are available

### **FINAL DRWAINGS**

1. Latest adopted design solutions (new RF, modified tank, modified connector holds) imply the modification of a large number of drawings.
2. All drawings for TCS and TCDI should be released by mid March.
3. Drawings for TCT and TCL should be ready by the same date or by end of March at the latest.
4. Ralph will require the equipment codes for all the missing collimator versions (TCT, TCLA , etc..)

### **TCDI FINAL POSITIONS**

1. A convenient solution has been proposed by Roger to install the TCDI collimator in conflict with other to-be-installed items (UJ88). A dummy pipe shall be installed by August 2005 to allow vacuum pumping.
2. TCDI in UJ87 in mo longer required.
3. Positions for TCDIs at T18 are basically frozen, but shall be finally confirmed by Yacine.
4. No information is yet available for T12.

### **PROTOTYPE 1: FROM LSS5 TO VACUUM GROUP?**

1. The vacuum group cannot take care of P1 de-installation. It will be dismantled in two weeks by AB/ATB and installed in b. 867

### **RF TEST FINAL REPORT**

1. The final report will be prepared for the TS workshop in Archamps to be held in May.

### **STATUS OF 3<sup>RD</sup> PROTOTYPE MANUFACTURING**

1. Blocs are being surface-machined.
2. P3 should be ready in 2/3 weeks.

### **AOB**

1. Installation of collimator fixed support (lower part). Manfred remarked that after installation of these components, electrical and water plug-in connections should be properly protected to avoid any accidental damage.
2. Sergio informed that 0.4mm-thick CuBe (UNS C17410/17510) foil exists and may be ordered out of supplier stock.
3. P2 (TT40) may be taken at b.109 workshop in two weeks. A list of functional tests and measures shall be prepared by Oliver. Alessandro will take care of the list of mechanical tests.
4. All input data have been supplied by Ralph/S. Redaelli to Vasilis for accident case Fluka simulations. Results should be available by week 9.

## **ACTION LIST to be followed up:**

Play between motor spindle and jaw	#34	Roger
New Fluka simulation for 0.45/7TeV accident case ( <b>URGENT</b> )	#47	Vasilis
Updated calculation on beam optics during transients	#49	Ralph
Summary table for component orders	#55	Oliver
Collimator installation and handling tools (vrs. 6.5)	#56	Keith
Control scenario of motors, number and type of linear measuring devices	#57	Roberto
Vacuum recommendations (NEG coating)	#58	Sergio,