

SHUT-DOWN OF P.S.

1. The Running-in committee decided to shut down the machine from December 12th. until January 3rd.
2. A preliminary list of work foreseen during this period is attached hereto.

P. Germain

Distribution: (open)

MOC members (5 each) + assistants.
Parameter committee members.

1. Power Section.

1. Install and connect the additional interphase reactors.
2. Open and check the alternator, retighten the coils if necessary.
3. Carry out a modification on the Scherbius regulation.

2. Controls Section.

1. Experimental cables installation in the Target Area.
2. Connections of emergency stops to apparatus not yet connected.
Painting of 70 signs for them.
3. Installation of the 50 MeV Beam Gate.
4. R.F. knock-out.
5. Repair of the two sector valves (cables) damaged.
6. Linac Sector Box *es*.

3. Vacuum/Magnet Section.

1. Change rotary pump oil seals for definitive type.
2. Change position of pump from inflector piping to Tank 26.
Assistance from H. Bakker with cabling is required.
3. Clean gauges on sector 3.
4. Demount sector valve 52 and examine.
5. Control cubicle door contacts to be checked and put in order.
6. For H. Bakker in Central Building:
 - a) Change of wiring to conform with existing sectors.
 - b) Panel for recorder to be installed.
 - c) Sector boxes - Inflector and No. 26 to be completed.
 - d) Pressure indication on inflector tube.
7. Modify cable terminations for gauges in control cubicles.

4. R.F. Section.

a) Unités d'accélération.

- Fuites d'huile redresseurs.
- Robinets de vidange eau distillée.
- Conduite en plastique eau distillée
- Minuterie BBC sur Merlin-Gerin.
- Modification Tuning ampliflier avec EL34.

b) Pick-up Electrodes.

1. Remplacement éventuel de tous les amplificateurs et préamplis des stations PU - BO par les amplificateurs et préamplis normaux.
2. Tirer une ligne 20 Amp. 48 V 3 conducteurs entre rack 21, salle centrale et rack MR 12 salle de contrôle principale.
3. Installation des nouvelles fixations des panneaux avant et arrière des stations P.U.
4. Installation de 2 câbles type B pour la station P.U. 18.

c) R.F. knock-out.

1. Fixation du tube céramique.
2. Essai général.

d) Main Control Room.

Install a machine-interlock system in rack MR54 which uses the R.F. monitoring information as a sensing device.

Install a connection between MR54 and MR10 of 2 signal cable wires.

e) Computer Room.

1. Modification of cooling system.
2. Possible modification of rack supporting system (if frames are available by this time).

5. Survey.

General survey of the magnet without repositioning.

6. Apparatus Layout.

- a) Mise en place de supports pour pont roulant (target area).
Si possible, aussi, montage rails.
- b) Début remplissage de la fente (Target area/Hall Sud).
- c) Installation d'un prototype de canal pour les faisceaux (mur de blindage, Hall Sud) . Date à déterminer (livraison des blocks acier).
- d) Installation d'une pompe à eau et tuyauteries (salle de ventilation No.1/ Anneau).
- e) Mise en place des câbles 240 mm² pour électroaimant 6 blocks (Target area).
- f) Mise en place de l'électro-aimant (Target area).
- g) Continuation du cadrillage (Survey) du Hall Sud.

7. Linac Section.

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BM
UT

- a) Removal of 500 kV accelerating column for internal cleaning.
- b) Completion of installation of ³ record^u backing pump for preinjector.
- c) Definitive cabling for preinjector MG set. *arranged with Pettiford*
- d) Installation of ion source R.F. remote control.

BM

- e) Installation of buncher - if R.F. test completed.

FM + ~~BM~~

- f) Replacement of tank III backing line valve (III V 6 A).
- g) Installation of television camera stands for screen 4 and screen 26.
- h) Laying of cables for Inflector HT supplies (Fischer).

JH/RP
Hagi/Mulan

- i) Overhaul of main breaker trips on linac power board and transfer of trip supply from rectifier to 48 V battery.

BM

- j) Removal of X V3B and conversion of closing mechanism.

FM + ~~BM~~

- k) Removal of Pump stack II DPC & II V3C - (~~II~~ V3C less thyrl & since closing mechanism should be redesigned).

workshop

and fitting evaporator pump.

- l) Fit additional monitor loops & diode to line II.

m) Replace U/S indicator gauges.

n) Replace 2nd Pulsed Solenoid

o) Mount protective barrier on draw bridge.

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