

P. H. Standley

PS/Int. MG 60-21  
1.3.1960

Shut-down of P.S.

As discussed in the Parameter Committee the next shut-down of the machine will take place from March 28th. until April 8th.

P.H.Standley will be responsible for its practical organisation.  
A preliminary list of work foreseen during this period is attached hereto.  
Comments can be addressed to P.H.Standley or to the corresponding section leader.

P. Germain

Distribution: (open)  
Scientific staff of Machine Group.  
P.S. Parameter committee members.

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### 1. Linac Section.

1. Installation of pulsed quadrupoles between preinjector and tank I.
2. Installation of a final ion source block.
3. Modification to the preinjector vacuum system.
4. Overhaul of the refrigerators.
5. Modification to trichloroethylene pipework.
6. Additional pick-up loops to tank I.
7. Installation of the buncher.
8. Installation of the debuncher.
9. Modification to beam control apparatus in the inflector area.
10. Modification on pulsed deflectors.

### 2. Apparatus Layout.

1. Installation de 20 tonnes de blocs d'acier dans le mur de protection du Hall Sud.
2. Survey des aimants.
3. Contrôle et nettoyage des piliers supportant la poutre.
4. Déplacer des blocs de blindage pour les installations prévues par l' "Engineering Group".

### 3. Controls Section.

1. Cabling for targets in the Target Area and installation of the Junction Box.
2. Cabling for the Magnet Pulse Counting System.
3. Probably installation of the vertical R.F. knock-out station.
4. Probably extension and modification of the door installation for security.
5. Extension of the warning lights system.
6. Installation of radiation monitors.

### 4. Vacuum/Magnet Section.

1. A complete mechanical check of magnet.
2. Measurement of the flow of cooling water through each magnet excitation coil.
3. Measurement of the leakage current from each of the 101 magnet units and check of the earth connections.
4. Installation of junction boxes for the target cable network on 12 magnet units in the target area.
5. Replacement of the present corrugated cardboard covers of the magnet gaps by more durable covers.

7. Putting in place all the covers and partitions for protecting the concrete ring beam and the supporting pillars.
8. Installing the vacuum tank for the plate exposure experiments with pumps and control gear.

#### 5. R.F. Section.

1. Installation and tests in the ring of the vertical R.F. knock-out station and power supplies.
2. Modification to pick-up stations.
3. Installation of modified units for the radial beam control system.
4. Installation of coincidence timing apparatus.
5. General check on accelerating units; replacement of vacuum tubes.
6. Demounting, rectification and mounting of 2 accelerating cavities.

#### 6. Power Section.

1. Modification of the main converter set bearing lubrication system in order to increase safety.
2. Connection of an additional cooling water supply to the oil recoler in order to increase safety.

For information, apart from the work done by the Machine Group, the Engineering Group of P.S. will start the installation work in the target area on cooling pipes and tray cables.

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