

P.S.SCHEDULE

Operational Frame from 13th March 1961 onwards

Introduction

The operational frames hereafter have been prepared by the members of the P.S. Machine Division Committee. They have been discussed with the P.S. Coordinator and with the experimenters in the P.S. Schedule Meeting.

They respect the 75 hours/week promised for nuclear physics for the period March 13th-October 1st and agreed upon by the Directorate.

Transition Period (March 13th-May 1961)

After the shut-down (20th February-13th March) one is forced to have the main bulk of machine acceleration time on Saturday and Sunday and the rest outside normal working hours.

The reason of this unhappy situation is that the tunnel in the region of pillar 6 has to be uncovered to allow the builders to work on the East junction. The large amount of shielding put inside the tunnel in this region has proved to be insufficient and makes accelerated beams and building work near the tunnel incompatible if we do not want to keep the intensity well below 10^{10} particles per cycle.

This transition period will last until the moment one shall be able to improve the shielding on the outside of the tunnel. According to the building programme this should be possible in May 1961.

The detailed frame which will be used during this period is given hereunder:

	Th	Fr	Sa	Su	M
06.45		N.P.	N.P.	N.P.	N.P.
08.30					
	P.T.	T.D.	N.P.	N.P.	
13.00	+				
	S.U.	T.D.	N.P.	N.P.	
17.30					
	N.P.	N.P.	N.P.	N.F.	
24.00					

Summary:	N.P.	74 1/2	(Nuclear Physics)
	T.D.	10 3/4	(Technical Development)
	P.T.	6	(Part Tests)
	S.U.	3	(Set-up)

Total: 94 1/4 hours

The T.D. sessions will be used for "closed orbit" measurements or for very low intensity acceleration studies.

During this period the P.S. schedule meeting will probably be held at the beginning of the week. The users will be informed in due time.

Period May-October 1st, 1961.

As soon as it will be possible the following frame will be used ("normal frame").

	M	Tu	W	Th	Fr	Sa	Su
0.00			N.P.	N.P.	N.P.	N.P.	
7.00			N.P.	N.P.	N.P.	N.P.	
8.30			N.P.	T.D.	N.P.		
13.00		P.T. +	N.P.	T.D.	N.P.		
		S.U.	N.P.	T.D.	N.P.		
17.30			N.P.	N.P.	N.P.		
24.00		N.P.	N.P.	N.P.	N.P.		

The characteristics of this frame are:

- | | | | |
|------|--------|-------|-------------------------|
| N.P. | 76 1/2 | hours | (Nuclear Physics) |
| T.D. | 10 1/2 | " | (Technical Development) |
| P.T. | 6 | " | (Part Tests) |
| S.U. | 3 | " | (Set up) |
| | <hr/> | | |
| | 96 | hours | |
- Maintenance and Experimental set up is possible on Monday, Tuesday and Saturday. Monday is also the maintenance day for S.C. but this is preferred by S.B.
- Changes in the experimental set up are possible in the South Hall, but not in the Target Area during the T.D. time (10 1/2 hours) on Thursday.
- The frame is favourable for liquid hydrogen operation (with some controlled access to the South Hall during the T.D. sessions) as it should be possible to keep the targets filled for the whole week.
- Long runs of some 90 hours for Bubble Chambers experiments are easy, spreading the suppressed T.D. and P.T. sessions over the preceding and following weeks.

Holidays.

Instead of stopping the machine during each single holiday, the following arrangements have been taken, in agreement with the P.S. coordinator:

- a) the machine will not run during the week-end of Easter
(thus the machine will stop on March 27th and start on April 6th.)
- b) to compensate the time lost the machine will run on
 - Saturday, February 11th (for the Faissner Group)
 - Thursday, May 11th (Ascension day)
 - Thursday, September 7th (Jeune Genevois).

Shut-down periods

The first shut-down will take place during the weeks 20th February - 13th March (tunnel for the Neutrino experiment - building work in East junction).

The second shut-down lasting a month, foreseen in July (new vacuum sector in target area) will probably have to be delayed. As soon as it is possible to give more details, a note will be circulating.

Further shut-down periods are not yet planned and will depend on the needs of the installation programme.

Operation after 1st October 1961.

On October 1st, a new increase of some 15 hours/week will take place, bringing the nuclear physics time to about 92 hours/week. Most probably the frame used will be the preceding one extended on Saturday.

P. Germain

Distribution: (open)

Directorate
Cern Management Committee
Scientific Staff of Experimental Teams
Scientific and Technical Staff of MPS.
R. Anthoine

and as requested to Melle J. De Winter.