

MINUTES OF THE LINAC PSB COORDINATION MEETING HELD ON

19th December 1972

Present : Messrs. Bossard, Cheretakis, Gelato (part time), Haseroth, Knott, Koziol, Nassibian, Rabany, Reich, Sherwood, Têtu.

Excused : Messrs. Chiari, Taylor, Van der Schueren, Völker, White.

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1. Choppers

F. Chiari is making progress with a combined 3 MHz and "slow" chopper. It is hoped to have this ready for the end of the shut down. This would be very desirable, even if for the long term it may be necessary to go over to a 50 MeV chopper.

2. Spectrometer

The design of a new detector assembly has been worked out by Metzger, Morgan and Têtu. It will have a resolution of 90 keV per wire when perpendicular to the beam. It is expected to have this ready for April 73. Têtu will follow the fabrication which should probably be best done outside. Metzger will supply the wire grids.

3. Television

Arrangements will be made to monitor ITV3 at the Linac control position. Sherwood will coordinate this work.

4. Beam position monitors and signal transmission

Cheretakis will purchase the equipment necessary for transmitting the signals from IU4 to the Linac control position and will ensure that it is installed as soon as possible.

IU5 will be re-installed during the shut-down.

IU6 should be kept if at all possible.

A digital display of the signals from the electrodes is still regarded as desirable.

In addition Cheretakis will install five direct channels from LCP to MCR which will be used for the signals from TR2 and the spectrometer.

5. Shielding

Sherwood will verify that the present proposals are adequate and will ensure that the work is carried out correctly during the shut-down.

6. Booster running-in programme

The PSB has been operated without gaps in the beam for the vertical distributor. The appreciable extra halo on the beam observed for the first time is possibly due to this temporary arrangement.

7. Operation

After centering the beam on IU4, Sherwood has obtained 95% transmission through the injection line.

8. Handing over of equipment

This was discussed in some detail. Although there were still some requests for further documentation, agreement has in general been reached between those responsible.

9. Next meeting

The next meeting will be held on Tuesday 6th February 1973 at 10.30 a.m.

G. Nassibian

Distribution

Persons present, named and invited

RIC