SI/Min. BR/72-30
30.10.1972

Minutes of the Linac PSB Coordination Meeting

held on 24th October 1972

Present : C. Arnaud, A. Cheretakis, F. Chiari, H. Haseroth, J. Knott, H. Koziol, G. Nassibian, M. Rabany, K.H. Reich, K. Schindl, G. Suberlucq, C.S. Taylor, P. Têtu, F. Völker, I. White.

* * *

1. Choppers

1.1. Slow Chopper

This now works satisfactorily and will be improved further by re-adjustment of timing.

1.2 3 MHz Chopper

Still not satisfactory. H. Haseroth and F. Chiari hope to improve it but whether the minimum "no beam" time of 110 ns can be achieved with this version is uncertain.

2. Timing

Provision has been made for switching a Booster pulse to the emittance or spectrometer lines by means of a switch in the MCR. Further modifications to meet future requirements will require detailed discussion.

Triple pulsing of the Linac will be technically feasible for the first two weeks of the next run.

3. 100 μs Beam Pulse

Work continues on the fast feedback system.

4. Spectrometer

The range of the spectrometer for a fixed magnet current is ± 300 kV. H. Koziol explained that he had reasons to suspect that on some occasions the Linac spectrum had a second peak ~800 KeV lower. This will be checked

by varying the magnet current, although it is somewhat inconvenient because of binary setting.

Spectrometer analogue signals are now available in MCR. The integration for each ring is put on the programme.

It was agreed that the present power supply would remain on loan to the Linac for the present and that reasonable notice would be given if it were decided to alter this arrangement.

5. Transmission of Analogue Systems

The new system has been installed and has been tested.

6. ISV

A new version is being drawn by R. Maleyran.

7. ISH

It has been decided not to water cool the inner conductor. It is proposed that an interlock be provided to prevent beam pulses longer than 25 μs from being injected into any one ring.

8. Power Supply for IBH1 and IBH2

It has been noted that at the highest repetition rates the current settings for the two magnets are not quite independent.

9. Final Supplies for IDV,H

This will be wired up and installed by a Linac man supervised by J.P. Royer.

10. IU - Beam Position Monitors

A. Cheretakis reported that all position monitors are now in working order as null indicators.

The question of the need for quantitative position indications will be reviewed in the light of operating experience.

11. Optics

At present it seems unnecessary to readjust the quadrupoles between IBH1 and IBH2 as experience indicates that when the Linac is correctly adjusted, the emittance is correct, at least to within the limits of present pulse to pulse variations.

12. Next Meeting

The next meeting will be held on Tuesday 28th November.

G. Nassibian

Distribution

Persons present, named and invited
G. Brianti
P.H. Standley