

Minutes of the Linac PBS Coordination Meetingheld on 28th November 1972

Present : C. Bovet, F. Chiari, G. Gelato (part-time), H. Haseroth,  
F.H. James, J. Knott, H. Koziol, G. Nassibian,  
K.H. Reich, K. Schindl, T. Sherwood, U. Tallgren,  
C. Taylor, P. Têtu, F. Völker, I. White

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1. Choppers1.1. Slow Chopper

F. Chiari reported that the minimum beam length cannot be made any shorter without substantial modifications.

1.2. 3 MHz Chopper

F. Chiari and H. Haseroth are looking into a new design. For the short term, F. Chiari will try to modify the first version.

2. Timing

While triple pulsing of the Linac remains very desirable, it was felt that this should not be introduced at present, in order to avoid increasing the chances of equipment failures.

"Cycle stealing" arrangement in the MCR will be made in such a manner as not to be noticeable for PS operation.

J. Knott reported that the timing of the gating for the spectrometer can now be adjusted operationally from the MCR.

3. Spectrometer

The proposals of P. Têtu were discussed and approved.

A modified detector will be designed and made (with the help of C. Metzger), with the wire spacings increased to give a wider range. By rotation, it will be possible to increase the resolution of this version to equal that of the present one.

Provision has been made for displaying beam current and magnet current and this should be done as soon as possible.

A new independent AC mains supply will be installed for the spectrometer power supply.

The question of finding a more satisfactory supply of demineralized water remains open and will be discussed between P. Bossard and T. Sherwood.

4. Transfer of equipment

BR will take over quadrupoles from Q7 inclusive and dipoles from D5. F. Völker asked that documentation be made available as soon as possible.

U. Fallgren will ask A. Cheretakis to have regular meetings with F. Völker to prepare the handing over.

5. Operation

It was agreed that the Linac should centre the beam in IU2 and IU4. In order to do this, the output of IU4 must be shared.

It was pointed out that the reliability of the position monitors - even as nul indicators - was still not entirely satisfactory.

6. Shielding

In order to reduce the effect of the stray field of the CPS, magnetic shielding will be installed where necessary. T. Sherwood will contact C. Rufer and supervise the installation.

7. Transmission of analogue signals

This system is now in operation and is very useful for setting-up.

8. ISV and ISH spares

Work continues with the collaboration of P. Bossard.

9. Booster running-in programme

As a temporary measure to assist in obtaining beam of improved stability, it was agreed, at the suggestion of the Linac, that :

- (i) Beam intensity should be limited to 80 mA at the output from the Linac.
- (ii) The PSB will endeavour to operate without gaps in the beam.

10. Next meeting

The next meeting will be held on 19th December at 11.00 a.m.

G. Nassibian

Distribution

Persons present, named and invited  
RIC