

13.11.1962

MINUTES OF THE RF-MEETING

November 7th, 1962

(14)

Present : O. Barbalat, A. Cheretakis, H. Dertinger, H. Fischer, K. Gase, A. Garcia, P. Gottfeldt, H. Isch, U. Jacob, J. Jamsek, R.K. Kaiser, F. Ollenhauer, H. Pflumm, G. Roux, H.H. Umstätter. D. Zanaschi.

1. Measurement of dynamic transistor characteristics H. Dertinger

H. Dertinger had measured the dynamic transistor characteristics of the 2 N 708 and 2 N 1613 transistors up to the frequency of 30 MHz.

In the meeting he explained his measuring techniques and showed some of his results.

He will prepare a detailed report before he leaves.

2. New components

Voltage reference unit

U. Jacob showed two voltage reference units we have acquired recently. They are of small dimensions and have the following characteristics :

voltage	: 11,74930 volts or 6,33970 volts resp.
load	: 1170 ohms or 620 ohms respectively
temperature coefficient	: $\pm 0.001\%$ $^{\circ}\text{C}$ over $10^{\circ} - 50^{\circ}\text{C}$
input voltage	: 117 V $\pm 20\%$ V.AC 60 Hz
regulation	: 0.001% for 10% input change

The manufacturers are : DYNAGE Inc., Hartford, Conn., U.S.A.

3. Other business

- Barack : The barack in the centre of the ring has arrived and the installation of telephone, electricity, heating, etc. is proceeding.
- Instrumentation : The lists of instruments are being issued to the responsible staff members in the various laboratories. In case of difficulties one should get in touch with O. Barbalat.
- Operation : There had been difficulties in obtaining a long target burst. It seemed as if the cavities which are running at 4 kV, had had some effect on the debunching. It was proved, however, that the phase lock had been maladjusted by about 30% .
- Beam Intensity Measurement : Recently we have explained the difference which existed between the beam intensity measurements made with the Hereward transformer and with the P.U. electrode.

In the meantime the Brookhaven National Laboratory - where a similar discrepancy existed - have made a recalibration, too, and the result of these two adjustments (at CERN and at the B.N.L.) is that now

1 BNL proton 1 CERN proton .

(CERN memo M.P.S/DL 62-64 of 2/10/62 and BNL memo of 25/10/62, Raka)

K. Gase

Distribution : (open)

MPS Committee

RF Group