REPORT ON A VISIT TO R. SEIFERT U. CO. AHRENSBURG, HAMBURG

(25th June, 1970)

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Persons seen : Messrs. Gastmeier, Schimmelmann, Rudy.

The following points have been discussed : -

1. On-off pulse drive unit

It has been agreed that CERN will fabricate the cards with the same connectors as Siemens and these will fit into the plugs of the Siemens' crate. The cards can use the power supply already included in the Siemens' electronics. The numbers of the pins have been given as follows :

1	-	ground
27,5	-	-15 V
17	-	output
25	-	input
25,31	-	+ 15 V

This card fits into the plug 35 of Siemens' crate.

2. K.M. power supply divider

It has been agreed that K.M. divider will give us 100 V output voltage, which corresponds to 100 kV output voltage of the power supply. The resistance of the last cell of the divider is about 200 k .

3. For the S.M. power supply divider, Seifert prefers to keep the output voltage of 200 V, corresponding to 10 kV output voltage of the power supply.

4. The way of supplying the pulse totaliser should be reconsidered in order to simplify the circuit.

5. The Seifert interlock circuit diagram has been reconsidered in order to avoid the duplications with the CERN designed interlock circuit (Dijkhuizen). A few simplifications have been made.

6. There was no clear idea about overvoltage and overcurrent protection and further exchange of information should take place as soon as possible.

7. A number of various components to be installed in the power supply have been shown (coils of HV transformer, control racks, instruments, etc.). The production of the SM power supply transformers is not yet started, as we have seen at the factory on the opposite side of the road (Mr. Rudy).

8. Seifert promised to send us as soon as possible (in max. 2 weeks) the following data :

a) the list of components to be supplied by CERN;
b) the final version of driving electronics;
c) the front panel drawing;
d) The modified circuit diagram of the output module.