



CM-P00073812

MEMORANDUM TO MEMBERS OF THE TRACK CHAMBER COMMITTEE

The main job for the TCC of September 26 will be to decide on the experiments to be performed during the fall and early winter of 1962-63. (Period III November, December, January). This will be best achieved if new requests or revised old ones are sent to CERN in time for distribution to the members of the Committee prior to the meeting. I therefore suggest that the deadline for these proposals be set at September 17, 1962.

In fact, the main decisions have already been taken at the last NPC (July 19) following the discussion of the June TCC. What remains to be decided is the exact schedule of the experiments and who gets pictures.

The frame in which we have to work is the following:

- a) The 80 cm Hydrogen chamber will be sitting in the new  $k_2$  beam (Slow K's up to 800 MeV/c, slow  $\bar{p}$ 's) during the months of November and December. A total of about 5 weeks of operation will be allocated (i.e.  $\sim$  500.000 pictures). Three weeks are already given to the  $T_5$  experiment (stopped  $K^-$ ).

During the month of January the 80 cm will go to the South Hall in the new  $m_2$  beam (Fast  $K^\pm$  in the band 2 to 3 BeV/c) and will be ready for operation at the end of January.

Although it is not possible to state exactly where and for how long experiments can be conducted in this beam it will be useful to make a definite schedule for 2 to 5 weeks at the next TCC.

- b) The 1 m CERN heavy liquid chamber will be set up in the  $m_2$  beam during November and December. The NPC has decided that the run in that beam should be primarily aimed at testing the chamber for the  $V$  experiment. This does not exclude physics to be done and a decision on this subject should be taken at the TCC.

- c) The BNHBC will most probably not be doing an experiment in Period III. Nevertheless it would be worth while to start the discussion on the nature and the distribution of the pictures to be taken at the beginning of the next period. (Period I March, April, May).

It should be stressed that during Periods I and II of 1963 the neutrino experiment will be a large user of the machine (about 9 weeks) with a corresponding reduction of bubble chamber operations. A careful planning of the TCC will therefore be most important for these periods.

The following agenda for the September 26 TCC meeting is therefore suggested:

- 1) Summary of decisions of the July 19 and September 19 NPC.
- 2) Discussion of proposed experiments (Periods III, I, II).
  - a) Hydrogen experiments in the  $k_2$  beam.
  - b) HL experiments, compatible with  $\sqrt{v}$  testing, in the  $m_2$  beam.
  - c) Hydrogen experiments in the  $m_2$  beam.
  - d) BNHBC operations.
- 3) Final decisions on Period III.

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