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EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH

PH I/COM-71/25
19 April 1971

PHYSICS I
ELECTRONICS EXPERIMENTS COMMITTEE

Memorandum

To : The EEC
From : G. Coignet (CERN-Hamburg-Orsay-Vienna Collaboration)
Subject: Request for P.S. machine time

During the time already allocated to us in the bl6 beam (Memo PH I/COM-70/22) we have checked the principle of neutron position detection using an absorber followed by multi-wire proportional chambers.

We are now able to start the construction of the final neutron detectors to be used in the $pp \rightarrow pN^*$ experiment at the I.S.R. (Proposal CERN/ISRC/69-14).

This final equipment must be tested and calibrated in a neutron beam before the starting time of the experiment in the split field magnet (autumn of 1972). For that purpose we request three months of floor time in the bl6 beam as soon as possible after the winter 1971 P.S. shut down.

It is to be noted that for a complete energy calibration we need a momentum range of the circulating proton beam on the internal target between 8 and 25 GeV/c.