

EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH

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PHYSICS I

ELECTRONICS EXPERIMENTS COMMITTEE

M e m o r a n d u m

BEAMS IN THE EAST HALL FOR AFTER

THE NEXT SHUT-DOWN

by

G.L. Munday

M E M O R A N D U M

To : Members of the EEC
From : G.L. Munday
Subject : Beams in the East Hall for after
the next shut-down.

The beam requirements for experiment S 93 and for Hyperon production have been looked at by Members of NP (including two groups involved) and MPS Divisions. A project has been outlined (MPS/MU-NOTE/EP 70-3) on which there is agreement on the principles and on the more important aspects; details are still being worked out.

The power supplies available in the East Area limit the possibilities to the following :

- 1) Extracted beam e_9 going to a target for p_5 , k_{12} and b_{17} .
- 2) Beam e_9 south to experiment S 93.
- 3) beam e_9 north to the Hyperon beam.

In this operation p_4 (with more supplies than p_5) must be cut out.

As you are aware the target area of the beams p_4 , p_5 , k_{12} , b_{17} , is causing us considerable worry because of radiation damage and induced radioactivity. If p_4 must be suppressed there is hope that this area can be improved.

Subject to the agreement of the Committee we would like to go ahead with this investigation.

G.L. Munday