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M e m o r a n d u m

To : E.E.C.

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Subject : Hyperon Beam Experiment - Addendum

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We first want to clarify our demands on beam intensity. The number  $10^{11}$  protons given in our proposal - roughly 20% of the effective extracted beam - is an estimate of what we thought could reasonably be asked for a single experiment. We are certainly ready to use a larger fraction of the extracted protons during the beam survey period.

We would also like to explain our choice of streamer chambers. According to tests of DESY and SLAC groups, the memory time of a streamer chamber is roughly equal to that of an optical or wire spark chamber; the multitrack efficiency then favours the streamer chamber. It seems to us that in the case of the first experiment with a new beam the difficulty of identifying relatively complicated events like  $\Sigma^- \rightarrow \Lambda^0 e^- \bar{\nu}$  speaks in favour of an optical detector where the pattern recognition problems are easier than in the case of an apparatus made of proportional wire chambers.

The beam layout problems have been discussed with the PS Planning Group and G. Petrucci.