

Date: 3 November, 1980



Ref.:

CM-P00044647

M E M O R A N D U M

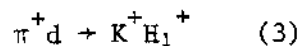
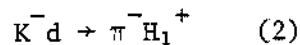
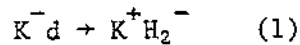
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To/A : The PSCC

From/De : Rome-Saclay-Vanderbilt Collaboration

Subject/: Beam time request for experiment PS 159
Objet

Since the last status report in June, 1980, data have been taken for the following reactions:



at 1.4 GeV/c. H_1 and H_2 are dibaryonic states of strangeness -1 and -2, respectively.

There is a good evidence in reactions (2) and (3) for a narrow dibaryonic system with the same mass and the same width in both channels.

On the contrary, there is no H_2 candidate in reaction (1). The detailed results will be presented at the Open Session.

We are in a good position to be able to understand the mechanism of production of the H_1 states. For that purpose, we have to take more H_1 data at different incident momenta for reactions (2) and (3). Therefore, we ask the PSCC for beam time allocation in Periods 1 and 2 in 1981. We would also like to ask for CERN computer time in 1981.