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Investigation of the Space-Time Correlation for Inclined Tracks  
in Drift Chambers

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With the CERN-LEAR experiment PS185 we study the reaction  $\bar{p}p \rightarrow \bar{\Lambda}\Lambda$  in the threshold region. The delayed weak decays  $\bar{\Lambda} \rightarrow \bar{p}\pi^+$  and  $\Lambda \rightarrow p\pi^-$  are recorded in a forward stack of 10 MWPC planes and 13 drift-chamber planes. The decay baryons are kinematically confined to a cone of  $\theta < 40^\circ$ , whereas for the pions also larger angles are possible. We therefore have to know the space-time correlation for inclined tracks in drift-chambers.

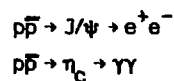
We have developed a method to set-up the space-time calibration which allows for a precise reconstruction of inclined tracks.

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A STACK OF BIDIMENSIONAL MWPCs USING ANALOGUE READ-  
OUT AS A PART OF AN ELECTROMAGNETIC CALORIMETER

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A set of four MWPCs was inserted into each arm of the calorimeter of the R704 experiment at the CERN-ISR. The experiment was looking for the annihilations:



Located at the median depth of the development of the e.m. showers, the detector had for main purpose, in this critical few GeV region, a fine spatial localization, together with good electron-hadron discrimination and multishower rejection.

The detector is described, and physics results are presented