

THE MEASUREMENTS OF THE ILLUMINATED REGION

OF THE 80 cm HBC

A sample of the tracks leaving the bubble chamber was measured in order to reconstruct the limits of the illuminated region of the 80 cm HBC. The pictures from the stopping antiproton experiment were used. The end points of the track were measured in one view only. The position of the points in space was reconstructed from the track space reconstruction. 56, 61 and 35 points were obtained for the 1st, 2nd and 3rd image respectively. On the basis of these measurements one can define the average illuminated region which differs slightly from the illuminated region for each camera separately. The average illuminated region was taken to be that part of the chamber in which tracks can be seen on at least two views.

The parameters of this volume are given in figures 1 and 2.

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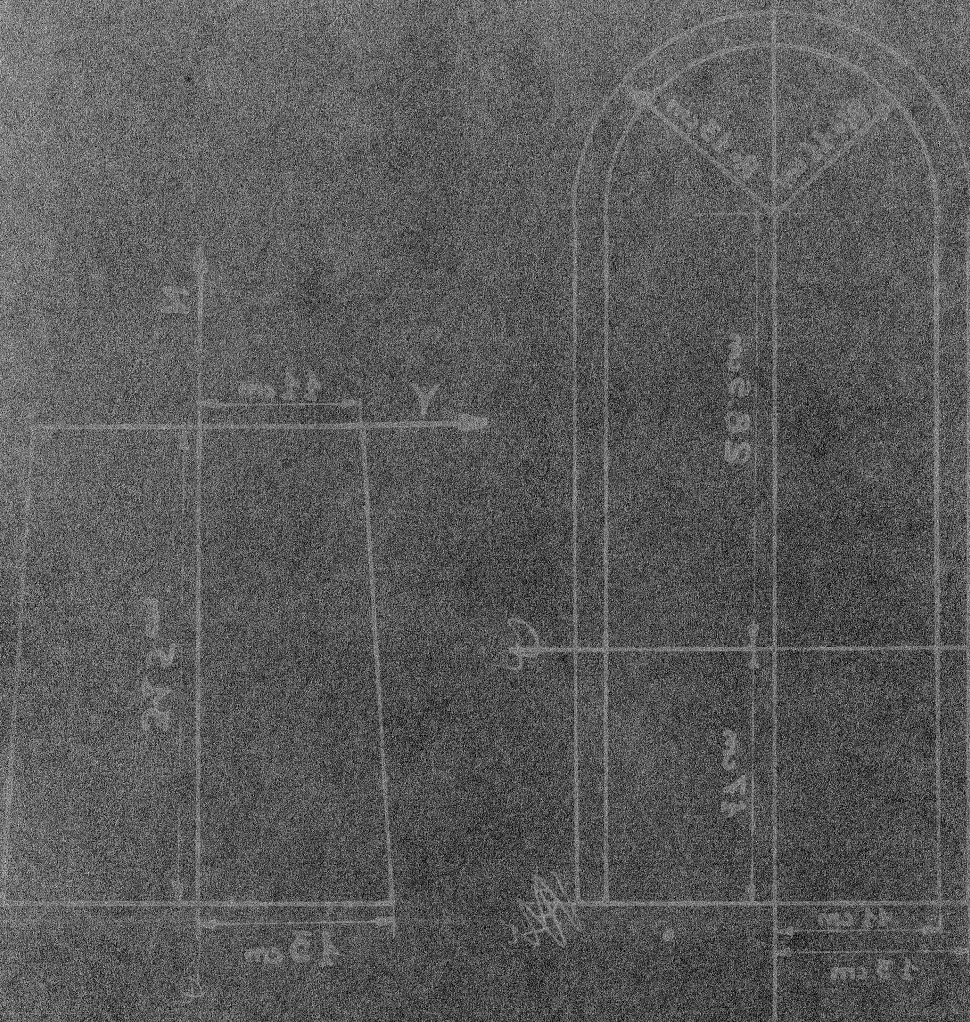


FIG. 1

Item No.	Part Name	Material	Quantity	Remarks
1	Rectangular Plate	Aluminum	1	
2	Semi-circular Cap	Aluminum	1	