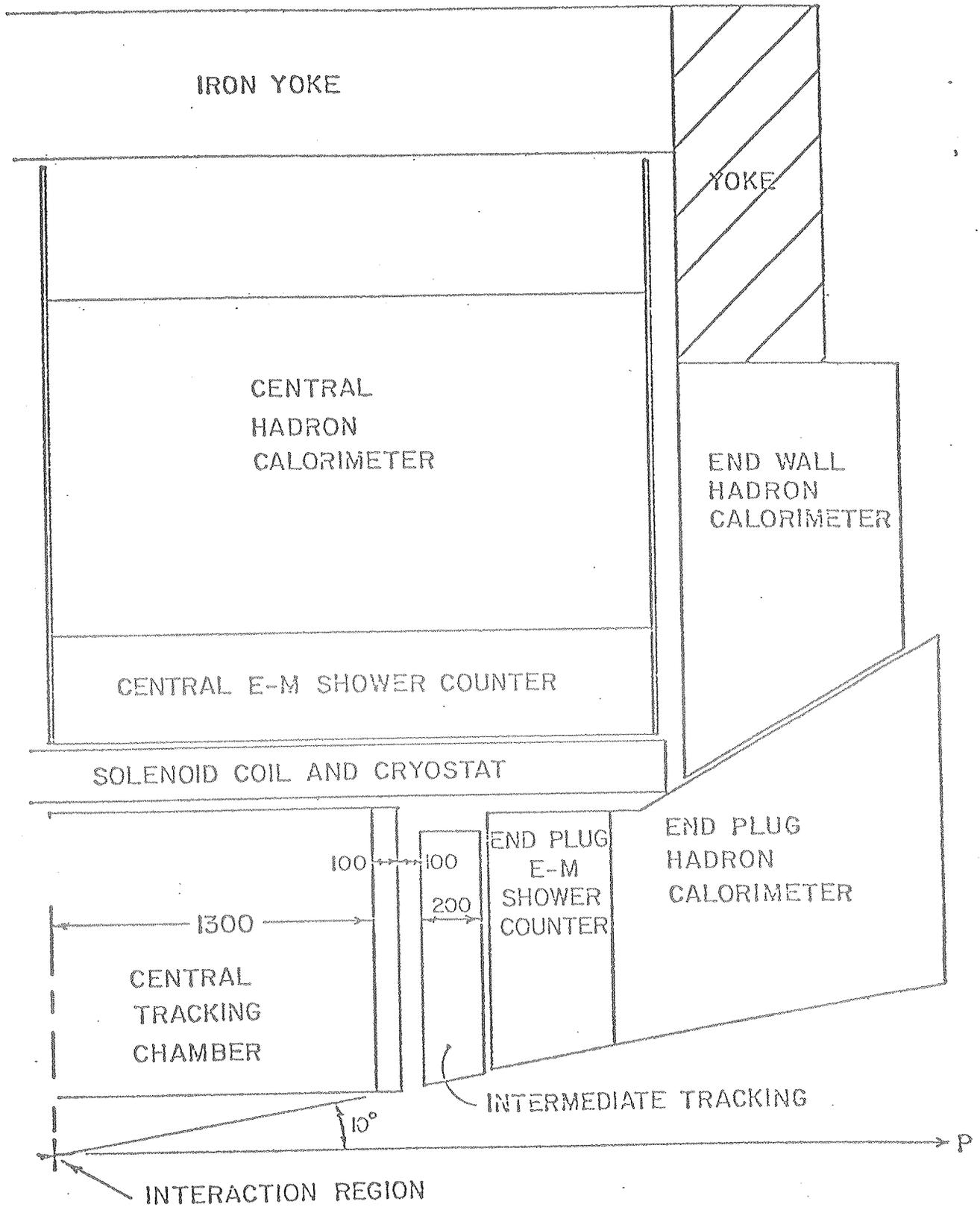


III. YOKE DESIGN

A. End Cap Calorimeter

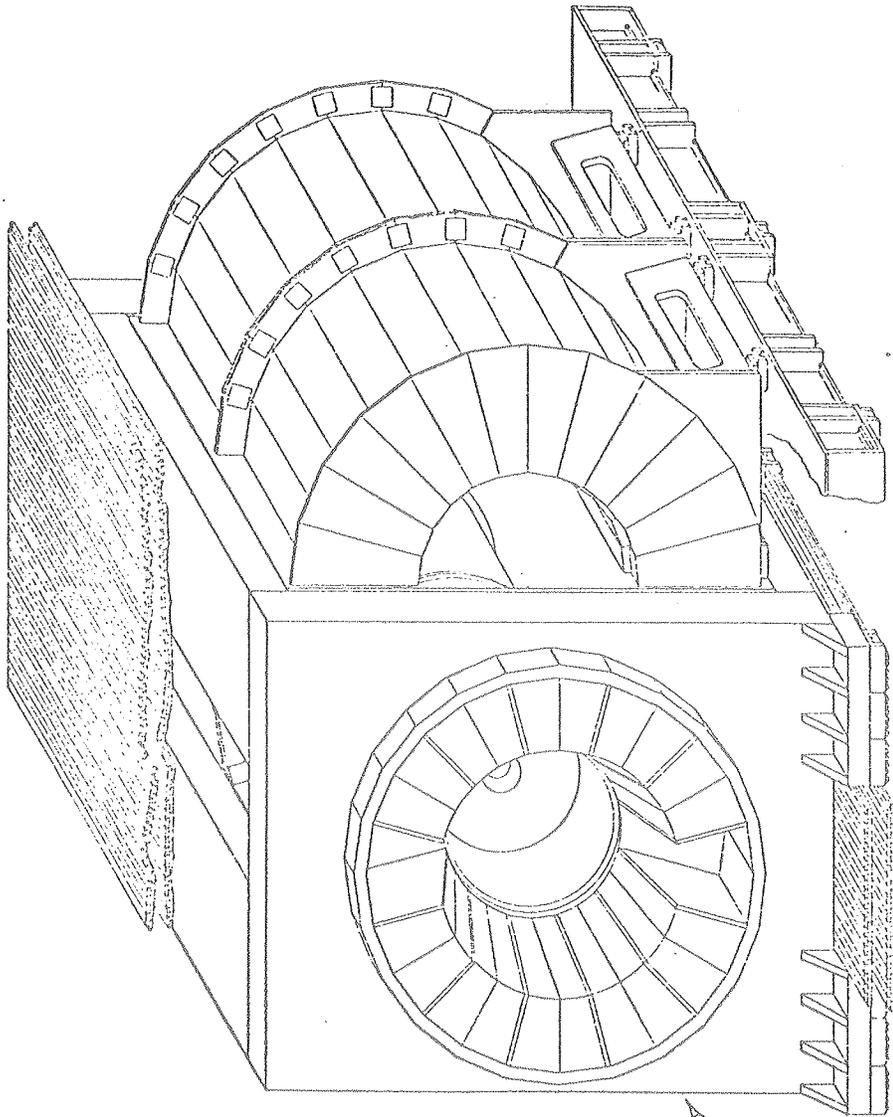
The end cap calorimeter is shown in Figs. A, B, C, and D. It consists of an end wall or stationary portion and a plug. Both parts are basically made up by a series of 2" steel plates separated by a 3/4" air gap. The end wall portion will consist of 24 modules. The top two and bottom two will be mounted to the plug and will serve as part of the structural support used in moving the plug to permit access to the central tracking chamber. The plug is cone shaped with the outside having an included angle of 60° with its vertex at the center of the detector. The bore of the plug also is conical in shape and uses the same vertex and has an included angle of 20° . Twenty-five and one half inches above the center line provision will be made for the present accelerator vacuum beam pipe. The four inner plates are cylindrical and have the same outside diameter with a continuation of the 20° angle and vacuum pipe features. The end plug shower counter will be mounted to the inner most plate.



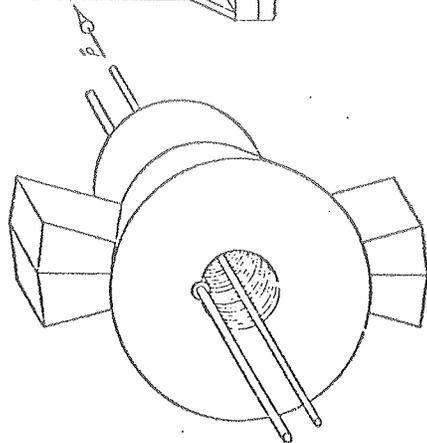
~~333~~ A

FIG. 21

0' 5' 10'
100 mm 200 mm 500 mm



B



1964-71 MM

INTERMEDIATE MAGNETIZED
Fe TOROIDS

CENTRAL DETECTOR

END PLUG
(HADRON CALORIMETER)

END PLUG
(SHOWER CALORIMETER)

10 1/2 ELECTRONIC

0' 100mm 1000mm 2000mm 3000mm 10'

