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Measure Aperture on 28.5 GeV/c Flattop

E. Gill

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Collider Accelerator Department Brookhaven National Laboratory

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AGS FEB Studies Blumberg 10/6-7/73 E. Ralea "Engill During the first part of the sum the cavailable aperture at 228.5 Berle was explored by shifting the radius of the trunched been on a flat top starting at 2 630 mer. Without the E-10, H-10 becomps and at ~ 2.5 × 10" the apential at H-7 was - 1.8 mm to=+5,5 mm. With the FEB beings on the H-Taphatene way +2 minta +5mm with a sharp almost total loss toward the inside and a gradual loss toward the outside (at 2 2.5×1012). At 4.5×10' The aperture was about the same except that some vertical blow up ourred at + 1mm. and without lass. With the H& V quade powered to the normal SEB value the aperture with bampoon was + 2. Thinks + 5mm ;- at full entersity + 2. 5mmand + 4. 5mm. The nodeal pasition of the beam prior to the radius shift used to explore the aperture had a slight effect on the of should aplitude. Using the new PUES at 0-4& D-18 (~ >12 apart) and summing them one found that the moil apetter with The Arcompt on was - 1. Tum and outside 3. 5 mm. Thus one can conclude that the most limitation using the sight lettode pairat O-7 was due to an intraction detuller the formps and the radial control System.