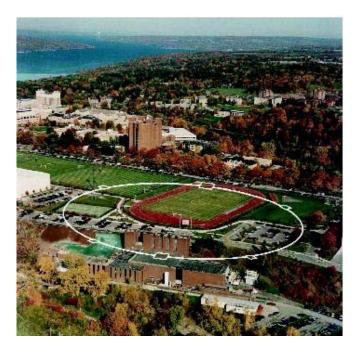
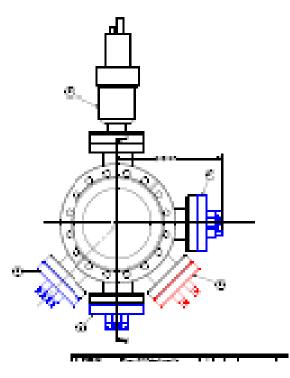
RFA Development and Experimental Measurements at Cesr-TA Shlomo Greenwald July 9,2008 Cornell Laboratory for Accelerator-Based Sciences and Education



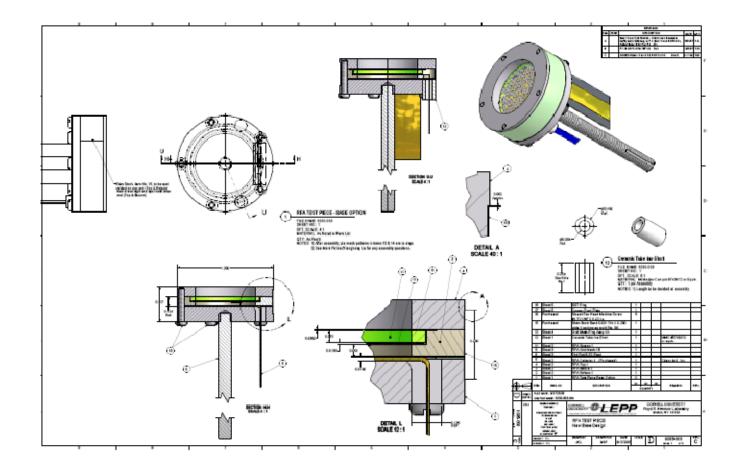




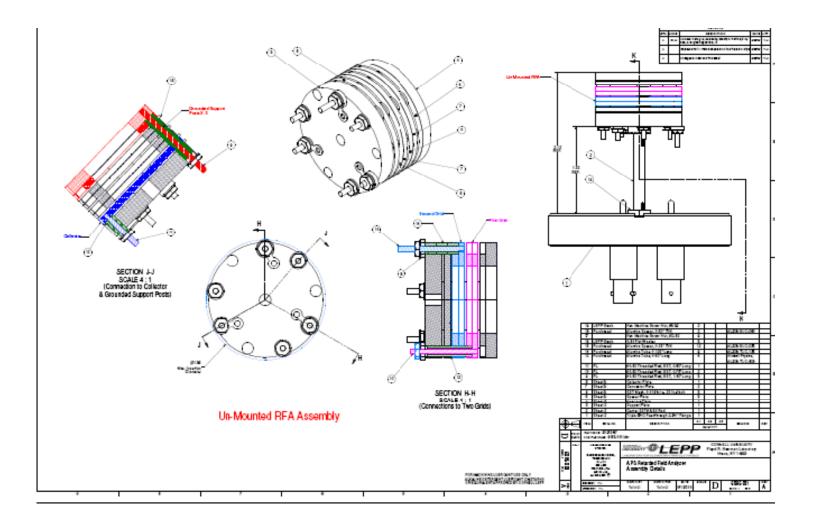
L3 BEAM PIPE INCLUDING THE RFAS



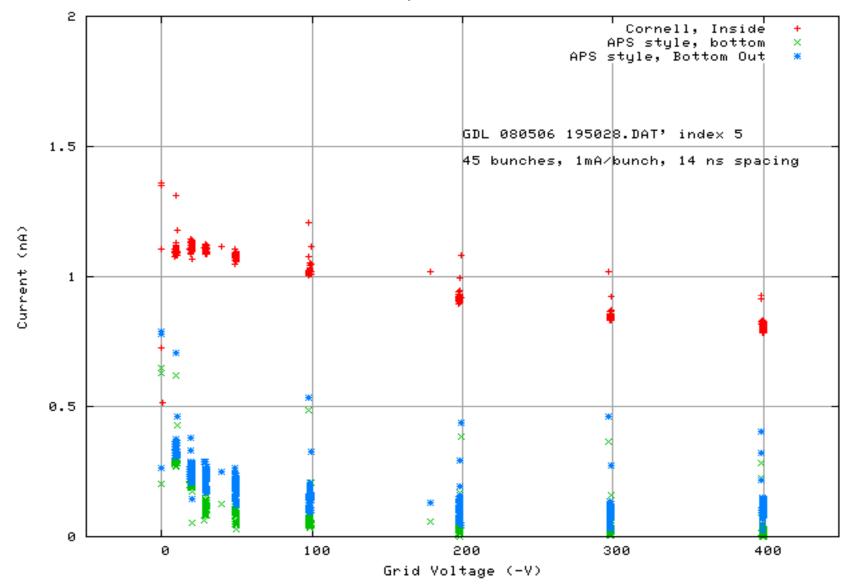
Cornell Thin RFA

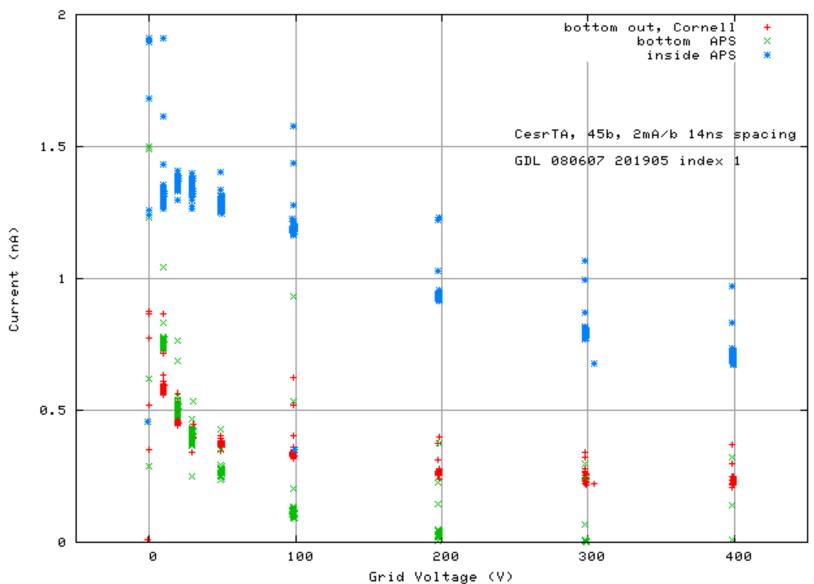


APS Type RFA

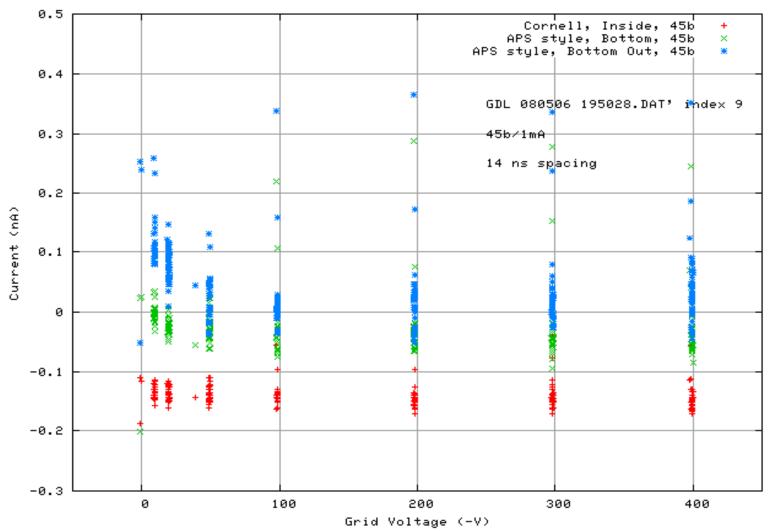


L3 RFA, 5.3 GeV Vc = 20V

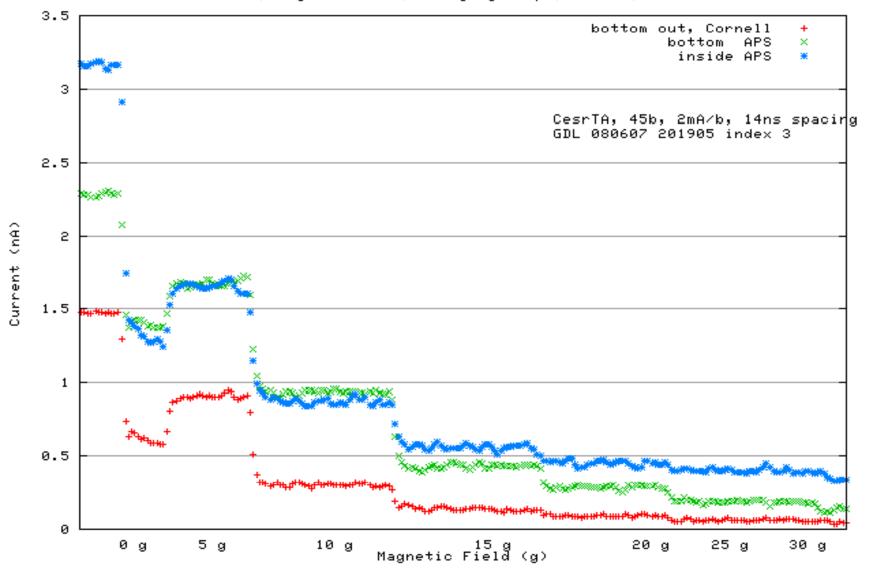




L3 RFA, Grid scan, 5.3GeV, Vc=20V

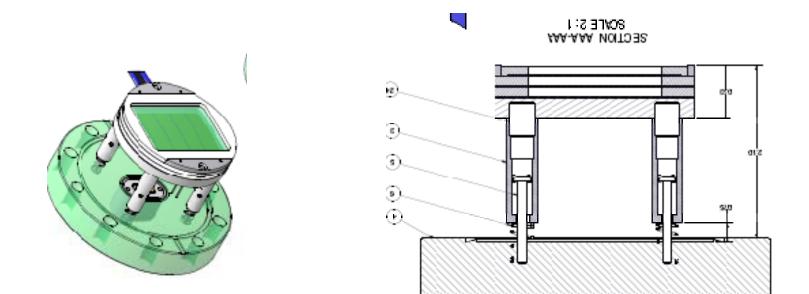


L3 RFA, 5.3 GeV Vc=50V, Positrons

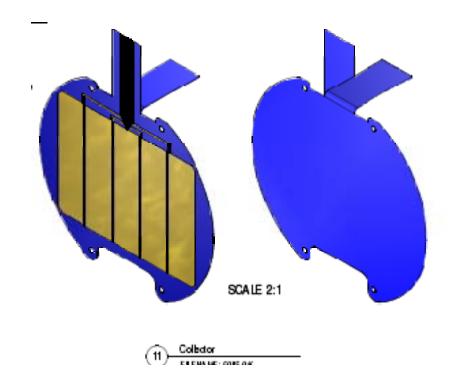


L3 RFA, Magnetic Scan, 0-30g 5g steps, 5.3GeV, Vc = 69V

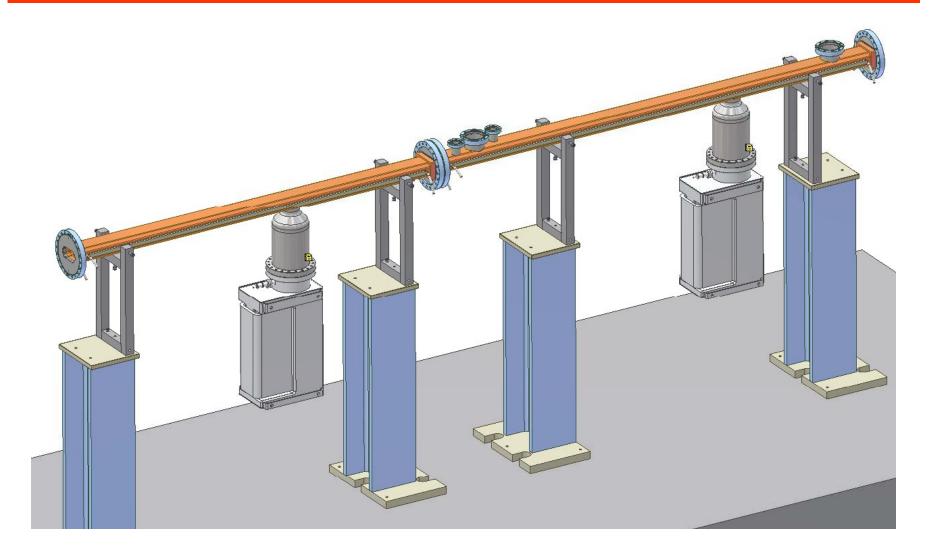
Insertable Segmented RFA



Segmented RFA Collectors

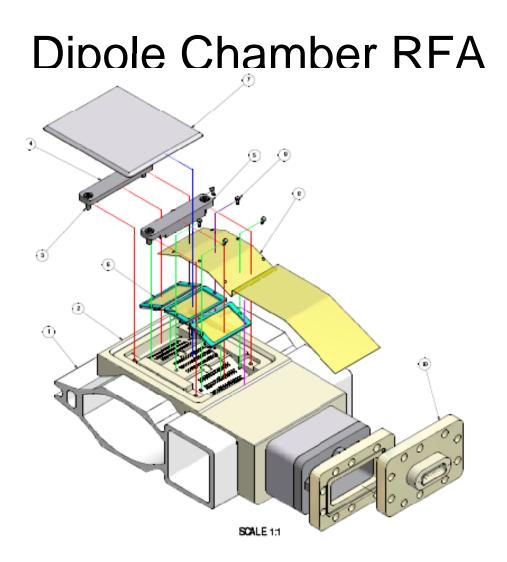


CESR-TA: L0/CLEO Modification Meeting 03/28/08

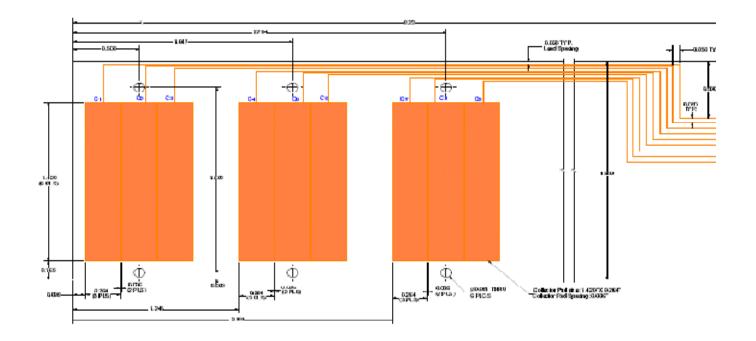


WIGGLERS AT 14AW AND 14BW REPLACEMENT CHAMBERS

LEPP, Cornell University, Ithaca, NY Valeri Medjidzade 03/28/08

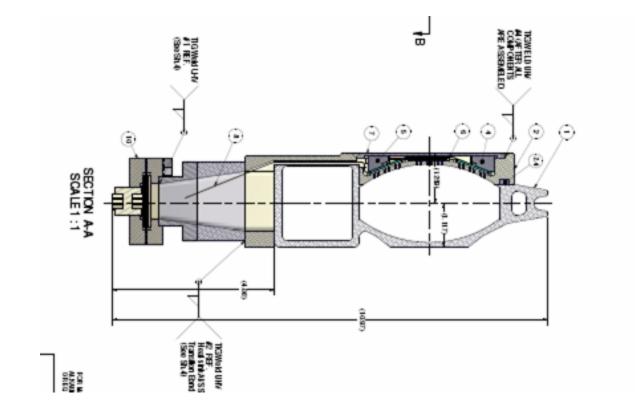


Dipole RFA Segmented Collectors



Bes Circuit Collecto
El E MARE: sort-con

Dipole RFA Installed In CESR Beam pipe



RFA Measurements at B12WS Drift 9 Bunches, 280nsec, 5mA/Bunch

Positrons Electrons FFAB12WS_20080705_0304 FFAIC B12WS COL 5 CUR G1K REAB12WS 20080706 0297 REAIC B12WS COL 5 CUR G1K, RANGE: LO 0 0 Collector current (nA) Collector current (nA) and an address of the state of 395 395 390 390 385 385 380 380 14 2.5 m 375 -250 -200 :50 -100 -50 0 50 -250 0 30 370 L Grid bias (V) -250 -200 -160 -100 -60 0 60 -250 0 Central pad July 8, 2008 ILCDR08 Grid bias (V) 8

RFA Measurements in B12WN Dipole Positrons 5.3Gev

45 bunches, 14 ns, 1 ma/bunch

45 bunches, 14 ns, 0.5 ma/bunch

