Effective Apertures with Respect to Beam Centerline

Vertical Apertures

β_{max} = 22.745 ± 0.0005 meters

Devices	$\beta \pm 0.1$ (meters)	A (in.)	$(\beta_{max}/\beta)^{1/2}$	A_L (in.)
B1 foil	10.4	1.488	1.48	2.20
B2 graphite	14.5	1.547	1.25	1.94
(A, I, K) 3 US	21.9	1.960	1.02	2.00
(A, I, K) 3 DS	21.9	1.835	1.02	1.87
(B-H, J, L) 3	21.9	2.973	1.02	2.93
L5	10.1	3.625	1.50	5.44
(A-E, G, J-K) 5	10.1	2.973	1.50	4.31
(G, J, L) 7 US	21.9	1.960	1.20	2.00
(G, J, L) 7 DS	21.9	1.835	1.20	1.87
(A-F, H, I, K) 7	21.9	2.973	1.20	2.93
G10 POLARIMETER	13.5	1.88	1.30	2.44
I10 DAMPER	19.1	1.500	1.19	1.64
A13	10.4	2.973	1.48	4.25
(B-L) 13	10.4	2.873	1.48	4.25
FERRITE QUADS @15	22.7	1.469	1.00	1.47
(A-L) 17	10.4	2.873	1.48	4.25
E20 US	18.5	1.435	1.11	1.59
E20 DS	12.9	1.091	1.33	1.45
MAG VAC CHAMB	22.7	1.531	1.00	1.53
E5 US	10.1	0.283	1.50	0.43
E5 DS	10.1	0.283	1.50	0.43
H5 US	10.1	0.283	1.50	0.43
H5 DS	10.1	0.283	1.50	0.43
F5 NOMINAL	10.1	0.35	1.50	0.53
F10 NOMINAL US	14.5	0.39	1.25	0.488
F10 MIDDLE	14.8	0.39	1.24	0.484
F10 DS	18.3	0.39	1.11	0.433
H10 NOMINAL US	12.8	0.49	1.33	0.652
H10 DS	18.9	0.49	1.10	0.539
F15 IX	22.7	2.656	1.00	2.66
RF CAV. 10 US	12.7	2.844	1.34	3.81
RF CAV. 20 DS	12.7	2.844	1.34	3.81
A1 VAC CHAMB	11.7	1.469	1.40	2.06
A2 VAC CHAMB	14.4	1.469	1.26	1.85
A3 VAC CHAMB	21.9	1.563	1.02	1.59
A5 KICKER	10.0	1.094	1.51	1.64
L20 SEPT US	19.2	3.062	1.09	3.33
L20 SEPT DS	12.1	3.063	1.37	4.20
C5 IPM	10.0	3.000	1.51	4.50
E15 IPM	22.7	3.188	1.00	3.19
C5 JUMP TGT (A_{up})	10.0	3.125	1.51	4.72
C5 JUMP TGT (A_{down})	10.0	1.75	1.51	2.64
E15 JUMP TGT	22.7	1.75	1.00	1.75
VHF CAVITY US	19.2	2.750	1.09	2.99
VHF CAVITY DS	16.7	2.750	1.17	3.21
A10 TUNE METER US	15.0	1.25	1.23	1.54
A10 TUNE METER DS	18.2	1.281	1.12	1.44

Table 3 from AGS Tech Note 355, “Another Look at Apertures in the AGS”, P. Carolan, K.A. Brown, J. Zebuda, K.M. Brown.