

Fig. A1.1 General detector opening layout to calculations of access dose rate.

Table A1.1

Equivalent dose rate in the general access scenario for T= 100 d, t= 1 d

R/Z, cm	dR\dZ	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 605	605- 630	630- 645	645- 660	660- 670	670
		0	10	15	15	25	25	50	50	50	25	25	15	15	10	0
0- 5	5															
5- 10	5	651.6	708.3	1467.5	5187.3	3028.1	2058.4	2705.9	4254.7	3855.2	3433.1	3265.1	3221.1	3269.1	3289.5	1955.6
10- 20	10	583.1	615.1	922.7	1651.9	1428.1	1110.4	1357.2	1943.2	1848.1	1697.5	1648.9	1664.1	1718.5	1776.1	1165.1
20- 30	10	487.3	507.1	624.2	810.3	808.6	725.0	841.2	1105.0	1097.6	1042.8	1036.1	1065.2	1109.1	1175.8	837.4
30- 45	15	423.0	430.9	450.9	505.2	523.2	513.0	574.7	705.8	722.9	708.2	715.9	744.0	784.8	838.1	618.2
45- 60	15	369.6	372.0	347.6	360.3	372.6	380.7	416.8	486.6	509.3	514.0	522.9	544.3	570.1	602.9	446.1
60- 75	15	304.6	305.7	286.3	287.1	293.9	302.2	326.8	369.3	390.4	398.1	405.2	417.6	428.6	441.4	316.7
75- 95	20	258.1	256.7	240.5	236.9	237.1	244.0	260.3	285.9	302.5	310.7	310.8	314.5	316.5	314.2	214.9
95- 115	20	246.7	236.2	209.1	198.8	196.1	199.6	209.8	224.7	237.7	239.7	236.7	233.4	231.5	224.3	145.4
115- 125	10	229.7	221.1	188.7	176.9	173.5	175.5	181.8	192.4	201.4	201.0	196.1	189.5	187.8	179.5	112.3
125- 150	25	181.1	175.4	161.4	155.0	151.7	152.5	156.7	163.9	167.6	167.3	158.3	152.7	150.6	143.2	86.6
150- 175	25	140.7	137.9	130.3	127.6	125.9	125.5	128.2	132.5	133.1	129.9	119.6	115.9	113.8	107.5	62.4
175- 200	25	111.8	110.3	107.0	105.8	104.6	104.7	106.5	109.1	107.6	103.4	93.0	91.1	88.6	82.8	45.4
200- 225	25	91.3	89.6	87.8	87.2	86.6	87.2	90.4	90.5	88.2	83.3	74.3	74.0	70.4	65.5	34.4

Table A1.1

Equivalent dose rate in the general access scenario for T= 100 d, t= 5 d

R/Z, cm	dR\dZ	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 605	605- 630	630- 645	645- 660	660- 670	670
		0	10	15	15	25	25	50	50	50	25	25	15	15	10	0
0- 5	5															
5- 10	5	374.5	417.8	955.8	3666.4	2137.8	1444.4	1914.9	3041.8	2754.6	2436.4	2293.9	2234.1	2234.0	2214.1	1236.1
10- 20	10	327.5	360.3	591.7	1130.5	984.1	763.3	945.5	1374.5	1299.8	1179.6	1127.5	1112.5	1118.2	1124.1	670.8
20- 30	10	269.6	289.9	386.7	531.6	539.9	486.4	575.4	769.0	758.5	707.7	687.8	685.5	691.6	700.7	439.6
30- 45	15	224.9	234.9	266.1	314.7	336.0	335.2	385.3	481.7	489.2	468.8	462.0	464.7	473.6	486.0	317.9
45- 60	15	187.2	192.3	194.6	213.2	229.7	241.4	272.8	324.6	336.4	332.1	329.8	333.9	340.0	348.7	231.9
60- 75	15	150.3	153.0	154.2	162.9	175.1	186.8	209.1	241.1	252.7	252.4	252.6	254.2	256.3	258.8	168.9
75- 95	20	123.2	124.4	124.3	129.3	136.7	146.6	162.6	182.7	192.0	194.5	192.4	191.7	190.9	188.0	118.0
95- 115	20	109.4	108.3	104.2	105.2	109.8	117.3	127.7	140.3	148.5	148.1	146.4	143.3	140.9	137.0	82.5
115- 125	10	100.0	98.6	92.5	92.4	95.7	100.7	108.9	118.8	124.8	123.7	121.4	117.2	115.3	111.1	64.7
125- 150	25	82.5	81.8	80.2	80.6	82.7	86.4	92.3	99.7	103.0	102.8	98.3	95.3	93.1	89.4	50.9
150- 175	25	67.4	66.8	66.6	67.0	68.3	70.7	75.1	79.4	80.8	79.7	75.0	72.9	71.1	68.1	37.8
175- 200	25	56.5	55.8	56.1	56.5	57.6	58.9	61.8	64.6	64.8	62.9	58.9	57.3	55.7	53.5	28.5
200- 225	25	47.7	47.1	47.7	48.1	48.1	49.3	51.8	53.5	53.0	51.0	47.3	46.5	44.7	43.1	22.2

Table A1.1 (continuation)

Equivalent dose rate in the general access scenario for T= 100 d, t=100d

R/Z, cm	dR\dZ	340	340-	350-	365-	380-	405-	430-	480-	530-	580-	605-	630-	645-	660-	670	
		0	350	365	380	405	430	480	530	580	605	630	645	660	670	10	0
0- 5	5																
5- 10	5	82.4	89.6	186.7	681.6	388.4	260.8	361.7	604.5	540.2	467.4	436.5	426.5	429.7	431.2	253.6	
10- 20	10	73.1	77.0	116.1	212.6	182.2	140.9	180.4	272.5	255.2	227.7	217.4	215.9	221.3	229.5	148.7	
20- 30	10	59.9	62.6	77.7	102.4	102.3	91.9	110.9	152.4	149.1	137.0	133.3	134.3	138.4	146.3	101.3	
30- 45	15	52.0	53.0	55.3	62.7	65.5	64.7	75.2	95.1	96.1	90.9	89.4	90.6	93.5	98.0	67.6	
45- 60	15	45.2	45.6	42.0	43.8	46.0	47.6	53.8	63.8	65.6	63.9	63.7	64.5	65.9	67.7	45.7	
60- 75	15	35.9	36.4	33.7	34.3	35.8	37.0	41.3	47.0	49.2	48.8	48.4	48.8	49.2	49.5	32.4	
75- 95	20	29.2	29.5	27.5	27.5	28.3	29.4	32.3	35.9	37.3	37.3	37.0	36.5	36.5	36.0	22.5	
95- 115	20	26.2	25.7	23.6	22.6	23.0	23.7	25.7	27.8	28.7	28.6	28.1	27.3	27.3	26.4	15.6	
115- 125	10	24.4	23.6	20.9	20.1	20.0	20.7	21.9	23.6	24.2	23.9	23.3	22.5	22.3	21.4	12.4	
125- 150	25	19.8	19.1	18.0	17.6	17.5	18.0	18.8	19.7	19.9	19.7	19.1	18.3	18.3	17.4	9.8	
150- 175	25	15.7	15.3	14.7	14.6	14.5	14.8	15.2	15.7	15.7	15.5	14.5	14.2	14.1	13.3	7.2	
175- 200	25	13.1	12.9	12.2	12.1	12.2	12.0	12.7	12.9	12.7	12.4	11.4	11.4	11.1	10.6	5.5	
200- 225	25	10.9	10.6	10.4	10.1	10.1	10.4	10.9	10.5	10.5	10.0	9.3	9.4	9.0	8.5	4.2	

Table A1.1 (continuation)

Equivalent dose rate in the general access scenario for T= 10y, t= 1d

R/Z, cm	dR\vdZ	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 605	605- 630	630- 645	645- 660	660- 670	670
		0	10	15	15	25	25	50	50	50	25	25	15	15	10	0
0- 5	5															
5- 10	5	765.8	829.8	1686.3	5890.6	3388.9	2295.7	3008.1	4706.0	4264.5	3808.3	3634.4	3599.2	3673.7	3719.0	2254.7
10- 20	10	686.7	717.7	1057.4	1872.6	1606.9	1243.8	1512.3	2160.0	2052.8	1896.4	1853.1	1883.6	1962.2	2055.7	1390.8
20- 30	10	571.5	590.4	717.7	922.8	914.2	815.9	941.2	1231.5	1226.0	1173.0	1175.8	1219.7	1286.9	1391.5	1033.4
30- 45	15	497.8	505.0	520.7	577.5	594.4	579.6	646.3	790.5	812.8	803.2	819.2	859.7	916.6	993.6	758.4
45- 60	15	437.5	439.1	403.5	413.5	425.0	432.4	470.9	548.1	575.5	586.0	602.0	632.7	668.0	710.1	539.1
60- 75	15	358.8	359.2	332.8	330.5	336.1	343.9	370.3	417.4	444.1	457.0	467.2	485.2	502.5	517.3	378.3
75- 95	20	302.8	300.9	279.5	272.8	273.1	278.6	296.6	325.1	346.2	357.3	359.7	365.3	369.8	368.6	258.5
95- 115	20	287.3	275.3	242.6	229.5	225.7	229.5	240.1	256.7	272.2	276.9	273.9	270.3	269.7	261.9	173.6
115- 125	10	268.1	257.2	219.0	205.4	200.5	201.8	208.9	220.3	231.3	232.3	226.3	219.4	218.4	208.9	133.5
125- 150	25	212.7	205.3	188.0	180.0	176.3	176.2	180.1	187.9	193.5	193.2	182.6	176.1	174.9	165.5	102.5
150- 175	25	165.9	162.0	153.2	149.4	146.7	145.6	147.5	152.4	153.6	150.8	137.3	133.4	131.7	123.0	72.9
175- 200	25	133.3	130.3	126.1	124.2	122.4	121.1	123.2	126.1	124.2	119.1	106.2	105.0	101.5	93.9	52.7
200- 225	25	108.6	106.1	103.8	102.4	101.1	101.5	104.7	104.7	102.0	95.6	84.8	84.9	79.7	73.8	39.5

Table A1.1 (continuation)

Equivalent dose rate in the general access scenario for T= 10y, t= 5 d

R/Z, cm	dR\vdZ	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 605	605- 630	630- 645	645- 660	660- 670	670
		0	10	15	15	25	25	50	50	50	25	25	15	15	10	0
0- 5	5															
5- 10	5	486.9	537.5	1173.8	4354.2	2490.3	1677.0	2209.4	3490.9	3153.6	2793.5	2646.6	2598.3	2625.2	2628.5	1529.5
10- 20	10	431.1	461.1	724.3	1348.0	1160.7	893.6	1097.3	1583.8	1501.1	1370.0	1324.9	1326.5	1359.1	1398.2	895.1
20- 30	10	353.1	372.4	478.1	641.3	643.7	575.8	673.6	894.0	884.4	833.7	822.9	837.5	866.1	912.3	632.0
30- 45	15	298.8	308.2	334.6	385.7	405.8	400.7	455.2	565.4	577.1	560.7	562.0	578.6	604.6	638.9	453.4
45- 60	15	254.4	258.3	249.6	265.5	280.9	292.5	325.9	385.2	401.9	402.2	407.2	419.5	436.5	455.4	327.3
60- 75	15	203.3	206.3	199.8	206.1	216.7	228.1	252.0	288.6	305.2	309.8	314.0	320.8	328.2	335.0	231.5
75- 95	20	167.4	168.2	162.5	165.2	171.5	180.5	198.2	221.1	234.7	240.2	240.7	241.9	243.2	241.3	160.6
95- 115	20	150.0	146.8	137.4	135.7	139.0	146.0	157.5	172.0	182.8	185.0	183.2	180.1	179.2	173.8	110.3
115- 125	10	137.9	134.9	123.2	120.3	122.5	127.0	135.5	146.1	154.3	154.7	151.6	146.6	145.5	139.5	85.7
125- 150	25	114.3	111.6	106.5	105.5	106.4	109.6	115.5	123.1	128.0	128.5	122.2	118.5	117.1	111.7	66.5
150- 175	25	93.0	91.2	88.8	88.1	88.6	90.4	94.2	99.4	100.7	99.8	92.6	90.2	88.7	84.2	48.1
175- 200	25	77.1	75.6	75.3	75.0	74.8	75.4	78.3	81.5	81.1	79.0	72.0	71.0	69.0	64.9	35.6
200- 225	25	65.3	63.8	63.1	63.0	62.5	63.5	66.1	67.4	66.7	63.2	57.6	57.5	54.6	51.0	26.9

Table A1.1 (continuation)

Equivalent dose rate in the general access scenario for T= 10y, t= 100 d

R/Z, cm	dR/dZ	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 605	605- 630	630- 645	645- 660	660- 670	670
		0	10	15	15	25	25	50	50	50	25	25	15	15	10	0
0- 5	5															
5- 10	5	177.3	189.7	361.4	1222.2	659.7	434.7	576.3	920.9	822.6	725.9	694.7	700.6	729.2	753.2	491.2
10- 20	10	160.4	161.4	223.7	384.8	318.2	240.7	293.4	424.2	400.6	370.0	367.2	383.4	413.7	453.9	340.1
20- 30	10	129.8	131.0	152.4	190.1	183.3	160.9	184.8	243.9	242.4	234.3	239.3	256.6	282.8	327.3	276.0
30- 45	15	113.8	114.2	111.8	120.1	120.7	116.1	128.7	157.7	163.0	163.5	169.8	184.4	203.6	229.8	190.8
45- 60	15	102.2	101.9	87.4	86.8	87.5	87.9	94.9	110.5	116.8	120.8	126.8	136.5	147.5	159.3	128.1
60- 75	15	81.4	81.5	71.9	69.5	69.8	70.6	75.2	84.7	91.0	96.0	98.9	104.7	110.3	114.7	89.3
75- 95	20	66.6	66.4	59.6	57.4	56.6	57.0	60.5	66.6	72.1	75.0	76.7	78.3	80.9	81.1	60.5
95- 115	20	60.5	58.7	51.5	48.2	47.1	47.4	49.7	53.4	56.8	58.6	58.1	57.9	58.9	57.1	40.4
115- 125	10	56.8	54.3	46.2	43.4	42.1	42.2	43.9	45.8	48.6	49.3	48.0	46.8	47.5	45.0	30.8
125- 150	25	46.2	44.7	40.5	38.2	37.5	37.1	38.0	39.1	41.2	40.8	38.5	37.4	38.0	35.1	23.4
150- 175	25	37.0	36.0	33.9	32.8	32.0	31.4	31.1	32.4	32.8	32.0	28.7	28.3	28.2	25.5	16.3
175- 200	25	30.7	29.8	28.5	27.6	27.0	25.8	26.7	27.2	26.4	25.3	21.8	22.2	21.2	19.1	11.5
200- 225	25	25.9	24.8	23.9	23.2	22.4	22.4	22.7	22.5	21.7	19.8	17.1	17.7	16.3	14.7	8.2

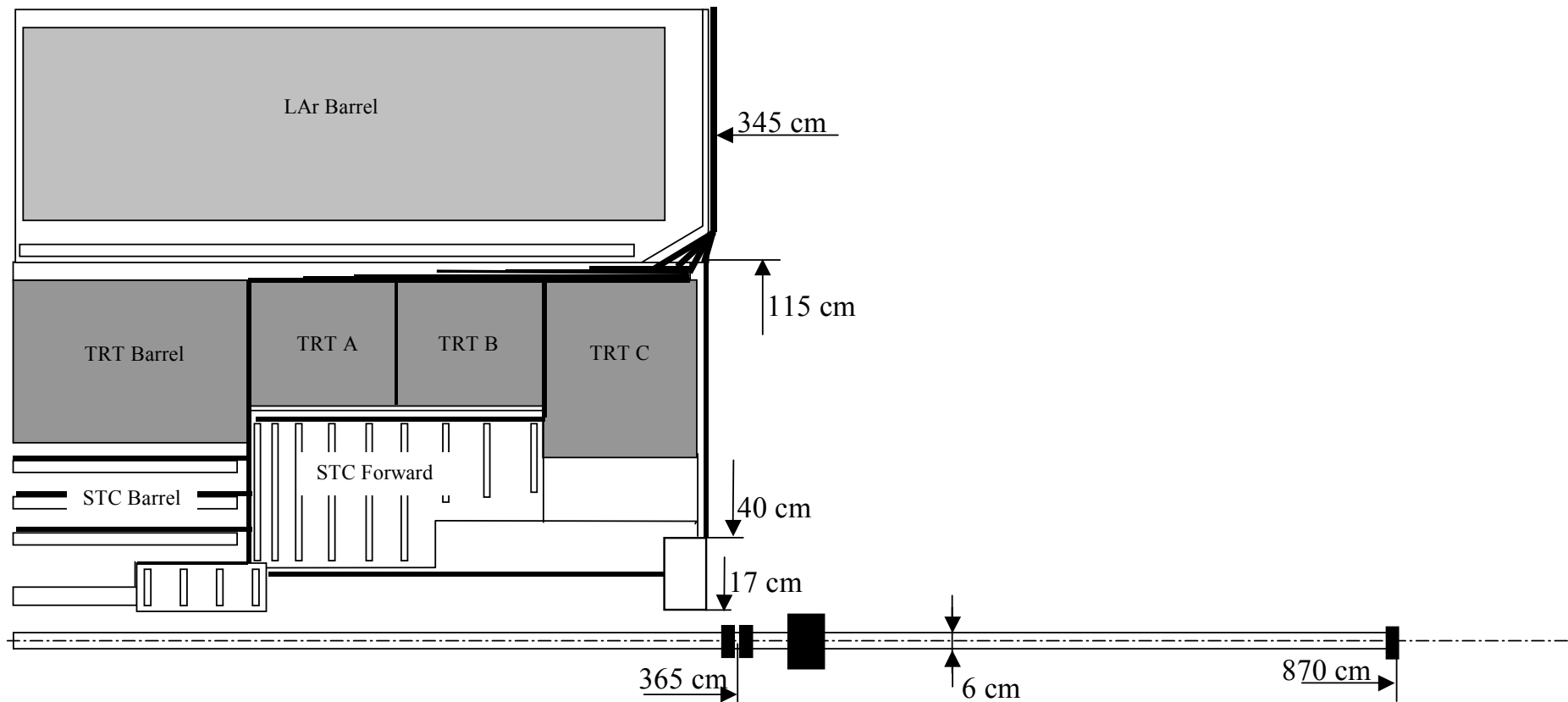


Fig. A1.2. Detector opening layout to calculations of access dose rate -- Lar EndCap removed.

Table A1.2

Equivalent dose rate in the ID access scenario for T= 100 d, t= 1 d -- Lar EndCap removed

R/Z, cm	dR\vdZ	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 605	605- 630	630- 645	645- 660	660- 670	670
		0	10	15	15	25	25	50	50	50	25	25	15	15	10	0
0- 5	5															
5- 10	5	620.9	677.2	1434.6	5152.0	2989.4	2014.8	2652.4	4180.6	3743.5	3262.9	3022.2	2892.9	2839.9	2733.4	1356.4
10- 20	10	553.7	585.4	891.2	1618.1	1391.1	1068.7	1306.0	1871.9	1739.2	1534.3	1426.6	1364.0	1328.8	1282.0	635.8
20- 30	10	459.9	479.2	594.7	778.7	773.9	686.0	793.3	1038.2	994.6	893.2	832.5	795.9	770.1	746.4	370.7
30- 45	15	398.0	405.5	424.1	476.6	491.9	477.9	531.6	645.6	631.6	577.7	539.7	516.2	499.0	484.2	240.7
45- 60	15	347.0	349.1	323.6	334.7	344.8	349.3	378.1	432.2	428.2	398.0	372.4	357.2	345.3	335.5	167.0
60- 75	15	284.0	284.9	264.5	263.9	268.6	273.7	291.1	319.2	316.9	298.2	279.7	268.9	260.2	253.2	126.1
75- 95	20	239.5	238.0	221.0	216.1	214.5	217.9	227.1	240.7	239.3	227.0	212.9	205.3	199.2	194.0	96.7
95- 115	20	230.5	219.8	191.6	179.9	175.0	175.1	179.5	185.6	183.8	175.1	164.1	159.1	154.8	150.7	75.1
115- 125	10	214.6	205.6	172.0	158.7	153.1	152.0	153.9	156.9	154.8	148.1	138.8	134.4	131.2	127.9	63.8
125- 150	25	166.0	160.3	145.0	137.2	132.0	130.6	131.7	132.3	129.8	124.5	116.4	113.0	110.2	108.1	53.8
150- 175	25	125.8	122.7	114.3	110.8	108.0	106.6	107.1	106.7	104.5	100.0	93.0	90.7	88.7	87.2	43.2
175- 200	25	97.7	96.1	92.5	91.0	89.4	89.2	89.0	88.4	86.2	82.5	76.5	74.5	73.4	72.1	35.6
200- 225	25	79.0	77.5	75.8	75.4	74.9	74.7	74.8	74.1	72.3	69.4	64.2	62.8	61.9	60.6	30.1

Table A1.2

Equivalent dose rate in the ID access scenario for T= 100 d, t= 5 d -- Lar EndCap removed

R/Z, cm	dR\vdZ	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 605	605- 630	630- 645	645- 660	660- 670	670
		0	10	15	15	25	25	50	50	50	25	25	15	15	10	0
0- 5	5															
5- 10	5	359.9	403.1	940.3	3649.7	2119.6	1423.8	1889.9	3007.4	2703.1	2358.4	2184.9	2091.0	2052.1	1981.3	982.5
10- 20	10	313.7	346.1	576.7	1114.5	966.5	743.5	921.3	1341.1	1249.3	1105.7	1029.7	984.3	957.1	926.1	460.1
20- 30	10	256.5	276.5	372.5	516.5	523.4	467.8	552.6	737.6	710.9	640.5	599.3	572.3	554.3	537.1	266.4
30- 45	15	213.0	222.8	253.3	301.2	321.2	318.6	365.2	453.8	448.1	411.9	386.9	370.0	357.8	347.4	172.4
45- 60	15	176.7	181.6	183.4	201.2	216.7	226.8	254.9	299.9	300.6	281.6	265.6	254.7	246.6	239.6	118.8
60- 75	15	140.7	143.3	144.1	152.2	163.5	173.6	192.7	218.5	220.4	209.2	198.5	190.8	185.0	180.3	89.4
75- 95	20	114.7	115.8	115.3	119.8	126.3	134.6	147.5	162.5	164.4	157.8	150.2	144.8	141.0	137.3	68.1
95- 115	20	101.9	100.6	96.1	96.5	100.0	106.0	114.1	123.1	124.6	120.2	115.1	111.5	108.6	106.1	52.7
115- 125	10	92.9	91.3	84.7	84.0	86.3	90.2	96.6	103.1	104.2	101.0	96.6	93.9	91.7	89.6	44.4
125- 150	25	75.6	74.8	72.7	72.6	73.9	76.8	81.4	85.5	86.5	84.2	80.4	78.5	76.6	74.9	37.2
150- 175	25	60.8	60.1	59.6	59.7	60.5	62.4	65.5	68.0	68.5	66.9	63.7	62.4	61.0	59.8	29.8
175- 200	25	50.4	49.6	49.8	50.0	50.8	51.8	53.9	55.6	55.6	54.3	52.0	50.8	49.8	49.0	24.4
200- 225	25	42.2	41.6	42.2	42.6	42.7	43.6	45.0	46.4	46.3	45.3	43.1	42.3	41.6	41.1	20.4

Table A1.2 (continuation)
 Equivalent dose rate in the ID access scenario for T= 100 d, t= 100 d-- Lar EndCap removed

R/Z, cm	dR\vdZ	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 605	605- 630	630- 645	645- 660	660- 670	670
		0	10	15	15	25	25	50	50	50	25	25	15	15	10	0
0- 5	5															
5- 10	5	79.5	86.7	183.5	678.2	384.7	256.5	356.3	596.8	528.0	448.5	408.9	387.6	377.1	362.0	179.1
10- 20	10	70.3	74.2	113.1	209.3	178.6	136.7	175.2	265.1	243.8	210.4	193.3	182.8	176.5	170.1	84.2
20- 30	10	57.2	59.8	74.8	99.3	98.8	88.0	106.0	145.5	138.7	122.0	112.7	106.6	102.7	99.1	49.1
30- 45	15	49.5	50.5	52.6	59.8	62.4	61.1	70.8	89.2	87.4	78.6	72.9	69.2	66.5	64.3	31.7
45- 60	15	42.9	43.3	39.6	41.3	43.2	44.5	50.1	58.9	58.5	53.7	50.2	47.9	46.1	44.6	22.0
60- 75	15	33.9	34.4	31.6	32.1	33.4	34.4	38.2	42.8	42.9	40.0	37.6	36.0	34.7	33.7	16.6
75- 95	20	27.5	27.8	25.8	25.7	26.3	27.3	29.7	32.1	31.8	30.2	28.6	27.3	26.5	25.8	12.6
95- 115	20	24.9	24.4	22.2	21.2	21.3	21.8	23.1	24.4	24.2	23.1	21.9	21.1	20.6	20.0	9.7
115- 125	10	23.2	22.4	19.6	18.7	18.3	18.7	19.4	20.6	20.3	19.3	18.4	17.8	17.3	17.0	8.2
125- 150	25	18.6	17.9	16.7	16.1	15.8	16.1	16.6	17.2	16.7	16.1	15.5	14.9	14.6	14.3	6.9
150- 175	25	14.4	14.0	13.3	13.1	12.9	13.2	13.5	13.6	13.3	12.9	12.2	11.9	11.7	11.5	5.5
175- 200	25	11.8	11.6	10.9	10.9	11.0	10.8	11.3	11.1	10.9	10.6	10.0	9.8	9.6	9.5	4.6
200- 225	25	9.9	9.7	9.5	9.2	9.2	9.4	9.5	9.1	9.1	8.8	8.4	8.2	8.1	8.0	3.8

Table A1.2 (continuation)
 Equivalent dose rate in the ID access scenario for T= 10y, t= 1 d--- Lar EndCap removed

R/Z, cm	dR\vdZ	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 605	605- 630	630- 645	645- 660	660- 670	670
		0	10	15	15	25	25	50	50	50	25	25	15	15	10	0
0- 5	5															
5- 10	5	728.0	791.3	1645.5	5847.0	3341.0	2241.7	2941.7	4613.3	4123.7	3593.7	3327.0	3179.4	3120.5	3004.8	1489.2
10- 20	10	650.7	681.0	1018.5	1830.9	1561.1	1192.2	1448.7	2071.0	1916.5	1691.4	1570.5	1499.0	1457.3	1409.5	698.3
20- 30	10	537.6	555.9	681.2	883.7	871.4	767.6	881.8	1148.3	1097.5	984.9	917.3	875.4	846.6	820.0	407.2
30- 45	15	466.8	473.5	487.5	542.1	555.6	536.0	592.7	715.3	698.1	637.8	594.8	568.0	548.8	532.3	264.3
45- 60	15	409.4	410.5	373.5	381.7	390.3	393.2	422.5	480.0	473.7	439.6	410.7	393.0	379.8	369.1	183.4
60- 75	15	333.1	333.2	305.5	301.6	304.6	308.4	325.8	354.8	351.9	330.2	308.6	296.1	286.8	279.0	138.7
75- 95	20	279.8	277.8	255.3	247.1	244.9	246.1	255.2	268.5	266.3	251.7	235.1	226.3	219.8	214.2	106.6
95- 115	20	267.2	254.9	221.0	206.2	199.5	198.9	202.1	207.3	204.4	194.6	181.5	175.3	170.8	166.7	83.0
115- 125	10	249.6	238.0	198.4	182.8	175.0	172.4	173.7	175.6	172.5	164.8	153.3	148.5	144.9	142.0	70.7
125- 150	25	194.3	186.4	167.7	157.7	151.5	148.6	148.6	148.3	145.3	138.7	128.8	124.9	121.9	119.7	59.5
150- 175	25	147.4	143.0	133.1	128.1	124.2	121.8	121.1	119.8	117.1	112.1	103.0	100.4	98.4	96.4	48.1
175- 200	25	115.5	112.4	107.8	105.6	103.5	101.9	101.1	99.6	96.9	92.1	84.8	82.9	81.2	79.6	39.6
200- 225	25	93.5	91.0	88.9	87.8	86.5	85.8	84.9	83.9	81.4	77.6	71.5	69.8	68.3	67.2	33.6

Table A1.2 (continuation)
 Equivalent dose rate in the ID access scenario for T= 10y, t= 5 d--- Lar EndCap removed

R/Z, cm	dR\vdZ	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 605	605- 630	630- 645	645- 660	660- 670	670
		0	10	15	15	25	25	50	50	50	25	25	15	15	10	0
0- 5	5															
5- 10	5	465.2	515.4	1150.5	4329.3	2462.9	1646.2	2171.6	3438.0	3073.3	2671.8	2473.2	2363.9	2319.4	2237.4	1110.8
10- 20	10	410.4	440.0	701.9	1324.1	1134.4	864.0	1061.0	1533.0	1423.5	1254.7	1166.9	1113.7	1083.6	1046.8	519.3
20- 30	10	333.6	352.5	457.0	618.7	619.0	547.9	639.5	846.4	811.4	728.2	679.9	649.1	627.7	608.4	302.2
30- 45	15	281.0	290.1	315.5	365.3	383.5	375.7	424.6	522.6	512.8	469.3	439.6	420.0	405.9	393.6	195.6
45- 60	15	238.3	242.0	232.5	247.4	261.1	270.2	298.5	346.9	345.4	321.7	302.6	289.4	280.3	272.0	135.0
60- 75	15	188.9	191.5	184.3	189.7	198.9	208.0	226.9	253.6	254.2	239.9	226.4	217.3	210.9	205.3	101.8
75- 95	20	154.5	155.1	148.8	150.7	155.6	162.3	175.0	189.6	190.4	181.7	172.0	165.6	160.8	156.7	77.8
95- 115	20	138.7	135.4	125.2	122.6	124.2	128.8	136.4	144.6	145.0	139.4	132.2	127.7	124.6	121.6	60.3
115- 125	10	127.3	124.1	111.5	107.5	108.1	110.6	116.0	121.2	121.6	117.4	111.2	107.6	105.0	102.8	51.0
125- 150	25	103.9	101.0	95.0	93.0	92.7	94.3	98.0	101.0	101.3	98.2	92.5	90.1	88.1	86.4	42.7
150- 175	25	82.6	80.6	77.7	76.4	76.2	77.2	79.5	81.2	80.6	78.5	73.7	71.9	70.5	69.4	34.2
175- 200	25	67.3	65.8	65.2	64.7	64.3	64.6	65.9	66.8	66.0	64.1	60.3	58.9	58.0	56.9	28.2
200- 225	25	56.9	55.4	54.7	54.8	54.2	54.6	55.1	56.0	55.3	53.4	50.3	49.4	48.5	47.3	23.6

Table A1.2 (continuation)
 Equivalent dose rate in the ID access scenario for T= 10 y, t= 100 d-- Lar EndCap removed

R/Z, cm	dR\vdZ	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 605	605- 630	630- 645	645- 660	660- 670	670
		0	10	15	15	25	25	50	50	50	25	25	15	15	10	0
0- 5	5															
5- 10	5	167.9	180.2	351.3	1211.3	647.7	421.2	559.3	896.5	784.4	667.3	609.3	579.5	564.1	542.1	268.8
10- 20	10	151.4	152.3	214.1	374.4	306.7	227.8	277.2	401.1	364.6	315.0	288.7	273.7	264.7	255.6	127.0
20- 30	10	121.3	122.3	143.2	180.3	172.5	148.6	169.7	222.5	209.1	184.2	168.8	160.1	154.4	149.2	74.3
30- 45	15	105.9	106.2	103.3	111.1	110.8	104.9	114.9	138.3	133.1	119.6	109.7	104.3	100.4	97.2	48.4
45- 60	15	95.0	94.6	79.7	78.6	78.5	77.8	82.5	93.2	90.6	82.7	76.0	72.3	69.8	67.7	33.9
60- 75	15	74.8	74.8	64.9	62.1	61.8	61.6	64.1	69.1	67.5	62.6	57.2	54.6	52.9	51.2	25.8
75- 95	20	60.9	60.6	53.5	51.0	49.7	49.1	50.4	52.3	51.3	47.8	43.7	41.9	40.7	39.4	19.9
95- 115	20	55.7	53.8	46.3	42.7	40.8	40.0	40.1	40.7	39.5	36.8	33.7	32.6	31.6	30.8	15.6
115- 125	10	52.3	49.7	41.3	38.0	35.8	34.8	34.8	34.4	33.5	31.3	28.6	27.6	26.8	26.2	13.4
125- 150	25	41.7	40.1	35.4	32.7	31.2	30.0	29.9	29.2	28.4	26.5	23.9	23.3	22.7	22.1	11.2
150- 175	25	32.2	31.1	28.7	27.3	26.2	25.4	24.7	24.0	23.1	21.4	19.3	18.7	18.3	17.8	9.0
175- 200	25	26.0	25.1	23.8	23.0	22.4	21.2	21.1	20.0	19.1	17.7	15.8	15.4	15.0	14.8	7.5
200- 225	25	22.2	21.2	20.3	19.7	18.9	18.4	17.4	17.1	15.9	14.8	13.3	12.9	12.7	12.6	6.3

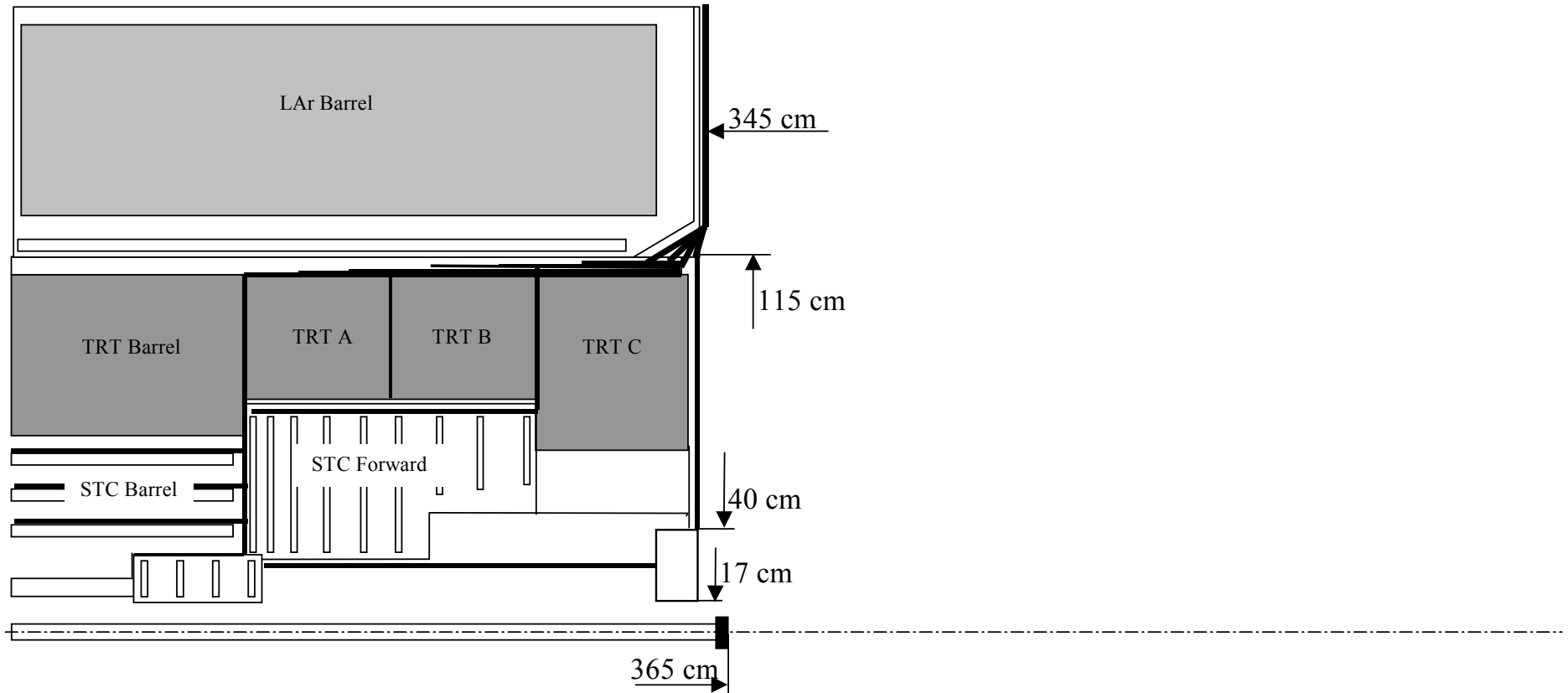


Fig. A1.3. Detector opening layout to calculations of access dose rate – Lar EC and VA removed.

Table A1.3 (continuation)
 Equivalent dose rate in the ID access scenario for T= 100 d, t= 1d – Lar EC and VA removed

R/Z, cm	dR\vdZ	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 605	605- 630	630- 645	645- 660	660- 670	670
		0	10	15	15	25	25	50	50	50	25	25	15	15	10	0
0- 5	5				175.3	85.3	59.9	44.5	30.2	20.6	15.9	8.8	8.3	7.7	7.1	7.1
5- 10	5	258.5	229.9	203.2	141.0	84.6	59.9	44.5	30.2	20.6	15.8	8.8	8.3	7.7	7.1	7.1
10- 20	10	229.4	200.4	151.3	116.5	83.0	59.9	44.4	29.8	20.8	15.8	8.8	8.3	7.7	7.1	7.1
20- 30	10	189.9	173.0	133.2	105.4	80.2	59.6	43.6	29.4	21.1	15.9	8.8	8.3	7.6	7.1	7.0
30- 45	15	186.7	175.3	125.3	99.2	77.4	59.2	42.0	29.2	21.3	15.7	8.8	8.2	7.6	7.1	7.0
45- 60	15	184.2	176.4	118.7	93.7	74.1	57.8	40.9	28.9	21.4	15.6	8.8	8.2	7.4	6.9	6.9
60- 75	15	153.4	148.5	109.7	88.1	70.8	55.3	39.9	28.2	20.8	15.5	8.7	8.1	7.4	6.8	6.8
75- 95	20	134.5	129.5	100.9	82.7	65.7	52.4	38.5	26.9	20.2	15.2	8.6	7.8	7.2	6.6	6.5
95- 115	20	145.2	132.2	96.6	76.1	60.4	48.0	36.0	25.8	19.5	14.5	8.4	7.6	7.1	6.6	6.4
115- 125	10	140.1	129.3	90.1	70.2	56.1	45.1	34.1	24.7	18.7	14.3	8.3	7.6	7.1	6.5	6.4
125- 150	25	101.3	94.2	74.8	61.9	50.2	41.2	32.3	23.5	17.8	13.8	8.2	7.4	6.6	6.5	6.4
150- 175	25	71.6	67.6	56.3	49.3	42.0	35.2	28.7	21.7	16.9	13.1	7.6	7.1	6.6	6.5	6.4
175- 200	25	51.5	49.1	43.5	39.5	34.6	30.5	25.3	19.8	15.6	12.3	7.4	6.6	6.5	6.3	6.3
200- 225	25	38.8	36.9	33.7	31.4	28.4	25.4	21.7	17.5	14.2	11.5	6.9	6.5	6.4	5.9	5.8

Table A1.3 (continuation)

Equivalent dose rate in the ID access scenario for T= 100 d, t= 5 d – Lar EC and VA removed

R/Z, cm	dR\dZ	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 605	605- 630	630- 645	645- 660	660- 670	670
		0	10	15	15	25	25	50	50	50	25	25	15	15	10	0
0- 5	5				47.0	25.2	17.0	12.8	8.7	5.7	5.0	2.5	2.2	2.1	2.0	2.0
5- 10	5	99.1	81.5	57.7	39.4	25.0	17.0	12.8	8.7	5.8	5.0	2.5	2.2	2.1	2.0	2.0
10- 20	10	80.3	68.9	45.2	34.1	24.4	16.8	12.8	8.7	6.0	5.0	2.5	2.2	2.1	2.0	2.0
20- 30	10	62.0	56.1	40.5	31.4	23.6	16.9	12.5	8.5	6.1	4.9	2.5	2.2	2.1	2.0	2.0
30- 45	15	60.8	56.8	38.1	29.5	22.5	17.1	12.3	8.5	6.2	4.8	2.5	2.2	2.1	2.0	2.0
45- 60	15	59.4	57.1	35.6	27.5	21.5	16.8	11.6	8.5	6.2	4.7	2.5	2.2	2.1	2.0	2.0
60- 75	15	46.7	45.2	32.5	25.3	20.7	16.1	11.5	8.4	6.0	4.6	2.5	2.1	2.1	2.0	2.0
75- 95	20	39.1	37.6	28.8	23.7	18.9	15.2	11.3	8.0	6.0	4.5	2.4	2.1	2.1	1.8	1.8
95- 115	20	40.3	37.4	27.6	21.7	17.4	14.4	10.6	7.7	5.8	4.1	2.4	2.1	2.0	1.7	1.7
115- 125	10	39.1	36.3	25.6	20.1	16.3	13.1	10.1	7.5	5.7	4.2	2.2	2.1	2.0	1.7	1.7
125- 150	25	29.0	27.1	22.0	18.2	14.9	12.3	9.7	6.9	5.5	4.1	2.1	2.1	1.8	1.6	1.6
150- 175	25	21.7	20.4	17.7	15.3	12.9	10.8	8.8	6.5	5.2	4.0	2.1	2.0	1.7	1.5	1.5
175- 200	25	17.0	15.7	14.5	12.8	11.3	9.4	7.9	6.0	4.6	3.6	2.1	1.8	1.5	1.5	1.5
200- 225	25	13.2	12.3	11.7	10.8	9.2	8.0	6.7	5.5	4.3	3.4	1.8	1.6	1.5	1.5	1.5

Table A1.3 (continuation)
 Equivalent dose rate in the ID access scenario for T= 100 d, t= 100d– Lar EC and VA removed

R/Z, cm	dR/dZ	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 605	605- 630	630- 645	645- 660	660- 670	670
		0	10	15	15	25	25	50	50	50	25	25	15	15	10	0
0- 5	5				22.0	8.8	5.7	4.4	2.8	1.8	1.2	0.7	0.7	0.6	0.6	0.6
5- 10	5	32.3	28.5	25.4	16.6	8.7	5.6	4.3	2.8	1.8	1.2	0.7	0.7	0.6	0.6	0.6
10- 20	10	28.0	24.0	17.2	12.9	8.4	5.6	4.2	2.8	1.8	1.2	0.7	0.7	0.6	0.6	0.6
20- 30	10	21.8	19.7	14.5	11.2	8.1	5.7	4.1	2.8	1.9	1.2	0.7	0.7	0.6	0.6	0.6
30- 45	15	21.7	20.2	13.4	10.2	7.8	5.6	4.1	2.6	2.0	1.2	0.7	0.7	0.6	0.6	0.6
45- 60	15	21.4	20.5	12.5	9.4	7.4	5.5	4.1	2.6	1.9	1.2	0.7	0.7	0.6	0.6	0.6
60- 75	15	16.6	16.3	11.1	8.7	7.0	5.1	4.0	2.5	1.8	1.2	0.7	0.7	0.6	0.6	0.6
75- 95	20	13.5	13.3	9.8	7.9	6.4	5.0	3.9	2.5	1.6	1.2	0.7	0.6	0.6	0.6	0.6
95- 115	20	13.5	12.6	9.4	7.2	5.9	4.7	3.6	2.4	1.6	1.1	0.7	0.6	0.6	0.6	0.6
115- 125	10	13.2	12.2	8.6	6.8	5.2	4.2	3.1	2.4	1.6	1.1	0.7	0.6	0.6	0.6	0.6
125- 150	25	9.9	9.0	7.2	6.0	4.8	4.0	3.1	2.3	1.4	1.1	0.7	0.6	0.6	0.6	0.6
150- 175	25	7.1	6.6	5.5	4.8	4.0	3.5	2.8	2.0	1.3	1.1	0.6	0.6	0.6	0.6	0.6
175- 200	25	5.5	5.2	4.3	4.0	3.6	2.9	2.6	1.7	1.3	1.1	0.6	0.6	0.6	0.6	0.6
200- 225	25	4.5	4.2	3.8	3.3	2.9	2.7	2.3	1.4	1.2	0.9	0.6	0.6	0.6	0.6	0.6

Table A1.3 (continuation)
 Equivalent dose rate in the ID access scenario for T= 10y, t= 1 d– Lar EC and VA removed

R/Z, cm	dR\vdZ	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 605	605- 630	630- 645	645- 660	660- 670	670
		0	10	15	15	25	25	50	50	50	25	25	15	15	10	0
0- 5	5				242.1	105.3	72.8	53.8	36.3	24.8	19.5	10.9	9.7	8.9	8.5	8.2
5- 10	5	324.1	292.8	276.0	186.3	104.2	72.9	53.8	36.1	24.9	19.5	10.9	9.7	8.8	8.5	8.2
10- 20	10	289.4	251.9	193.3	147.2	101.8	72.6	53.3	36.0	25.2	19.5	10.8	9.7	8.8	8.5	8.2
20- 30	10	236.6	214.4	166.0	130.6	98.3	72.3	52.6	35.6	25.6	19.3	10.8	9.6	8.8	8.4	8.2
30- 45	15	231.3	216.9	154.4	121.3	94.2	71.7	51.1	35.0	25.7	19.2	10.8	9.6	8.7	8.4	8.2
45- 60	15	228.5	218.7	145.1	113.7	89.4	69.9	49.5	34.8	25.6	18.8	10.6	9.5	8.6	8.3	8.2
60- 75	15	188.3	181.8	133.3	106.2	85.0	66.3	48.1	33.8	25.3	18.7	10.6	9.4	8.5	8.3	8.2
75- 95	20	163.3	157.3	122.1	99.2	79.8	62.8	46.6	32.5	24.8	18.3	10.3	9.2	8.5	8.1	8.2
95- 115	20	172.6	157.8	115.6	91.3	72.7	58.4	43.6	31.0	23.4	17.8	10.0	9.0	8.5	8.1	8.2
115- 125	10	167.0	153.5	107.7	84.7	67.6	54.2	41.4	29.6	22.4	17.3	9.8	8.7	8.3	8.1	8.0
125- 150	25	122.6	113.3	89.9	74.4	61.0	49.7	38.8	28.3	21.8	16.8	9.7	8.5	8.1	8.1	8.0
150- 175	25	87.5	82.0	68.9	60.0	51.1	42.8	34.5	26.0	20.6	16.3	9.0	8.4	8.1	7.6	7.6
175- 200	25	64.3	60.5	53.6	48.6	42.9	37.0	30.7	24.0	19.1	14.8	8.6	8.1	7.7	7.2	7.2
200- 225	25	49.1	46.1	42.2	39.2	35.2	31.4	26.3	21.4	17.4	13.8	8.4	7.7	7.2	7.0	7.0

Table A1.3 (continuation)
 Equivalent dose rate in the ID access scenario for T= 10y, t= 5 d– Lar EC and VA removed

R/Z, cm	dR\vdZ	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 605	605- 630	630- 645	645- 660	660- 670	670
		0	10	15	15	25	25	50	50	50	25	25	15	15	10	0
0- 5	5				111.8	45.2	29.8	22.0	14.8	10.0	7.8	4.4	4.1	3.5	3.4	3.4
5- 10	5	164.0	143.6	128.9	83.7	44.7	29.8	22.0	14.8	10.1	7.8	4.4	3.9	3.5	3.4	3.4
10- 20	10	140.7	119.7	86.5	64.1	43.2	29.6	21.9	14.8	10.3	7.9	4.4	3.9	3.5	3.4	3.4
20- 30	10	108.8	97.8	72.4	55.9	41.4	29.5	21.5	14.7	10.5	7.8	4.4	3.9	3.5	3.4	3.4
30- 45	15	105.3	98.2	66.8	51.1	39.0	29.4	20.7	14.6	10.5	7.8	4.3	3.8	3.5	3.3	3.3
45- 60	15	103.2	98.8	62.0	47.1	36.7	29.0	20.2	14.6	10.6	7.7	4.3	3.6	3.5	3.3	3.3
60- 75	15	80.8	78.5	55.8	43.8	34.9	27.2	19.7	14.0	10.6	7.7	4.3	3.6	3.5	3.3	3.3
75- 95	20	67.6	65.2	49.4	40.4	32.3	25.5	19.3	13.6	10.3	7.6	4.3	3.6	3.5	3.2	3.2
95- 115	20	68.1	62.9	46.6	36.8	29.4	23.9	18.1	12.9	9.9	7.4	4.3	3.5	3.5	3.2	3.2
115- 125	10	65.7	61.0	43.7	34.3	27.9	22.3	17.2	12.3	9.5	7.4	4.1	3.5	3.3	3.2	3.2
125- 150	25	50.4	46.4	37.0	30.8	25.2	20.5	16.2	11.5	9.2	7.3	3.7	3.5	3.2	3.2	3.2
150- 175	25	37.9	35.1	29.8	25.6	21.7	18.3	14.8	11.2	8.6	7.1	3.6	3.3	3.2	3.2	3.2
175- 200	25	29.1	27.1	24.8	22.2	19.1	16.2	13.4	10.4	8.0	6.5	3.5	3.2	3.2	3.0	3.0
200- 225	25	23.8	21.9	19.9	18.5	15.9	13.9	11.4	9.4	7.5	5.8	3.3	3.2	3.0	2.4	2.3

Table A1.3 (continuation)
 Equivalent dose rate in the ID access scenario for T= 10y, t= 100 d– Lar EC and VA removed

R/Z, cm	dR\dZ	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 605	605- 630	630- 645	645- 660	660- 670	670
		0	10	15	15	25	25	50	50	50	25	25	15	15	10	0
0- 5	5				82.1	26.5	17.3	12.2	8.4	5.7	4.6	2.0	1.9	1.8	1.8	1.8
5- 10	5	90.2	84.4	91.3	57.6	26.1	17.3	12.2	8.4	5.7	4.6	2.0	1.9	1.8	1.8	1.8
10- 20	10	81.8	69.7	54.9	40.3	25.1	17.2	12.2	8.4	5.7	4.6	2.0	1.9	1.8	1.8	1.8
20- 30	10	63.3	56.5	43.5	33.4	23.7	17.0	12.0	8.4	5.8	4.5	2.0	1.9	1.8	1.8	1.8
30- 45	15	60.6	56.7	39.0	29.8	22.3	16.7	11.8	8.1	5.8	4.4	2.0	1.9	1.8	1.8	1.8
45- 60	15	60.3	57.8	35.8	27.0	20.9	16.2	11.5	8.2	5.9	4.3	2.0	1.8	1.8	1.8	1.8
60- 75	15	47.1	45.8	31.9	24.7	19.9	15.5	11.3	8.0	5.9	4.5	2.0	1.8	1.8	1.6	1.6
75- 95	20	38.6	37.6	28.1	22.7	18.2	14.2	10.8	7.6	5.8	4.2	2.0	1.8	1.8	1.6	1.6
95- 115	20	37.7	35.3	26.2	20.8	16.7	13.3	10.0	7.3	5.5	3.8	1.9	1.8	1.7	1.6	1.6
115- 125	10	36.6	33.6	24.1	19.3	15.4	12.3	9.7	6.8	5.3	3.8	1.9	1.8	1.6	1.6	1.6
125- 150	25	28.1	26.2	20.6	16.9	14.1	11.2	9.1	6.5	5.2	3.7	1.8	1.8	1.6	1.5	1.5
150- 175	25	20.8	19.6	16.5	14.4	12.3	10.4	8.3	6.4	5.0	3.5	1.8	1.6	1.6	1.4	1.4
175- 200	25	16.3	15.3	13.6	12.2	10.9	9.0	7.8	5.8	4.5	3.3	1.7	1.6	1.4	1.4	1.4
200- 225	25	13.8	12.7	11.5	10.5	9.2	8.1	6.4	5.4	3.9	2.9	1.6	1.4	1.4	1.4	1.4

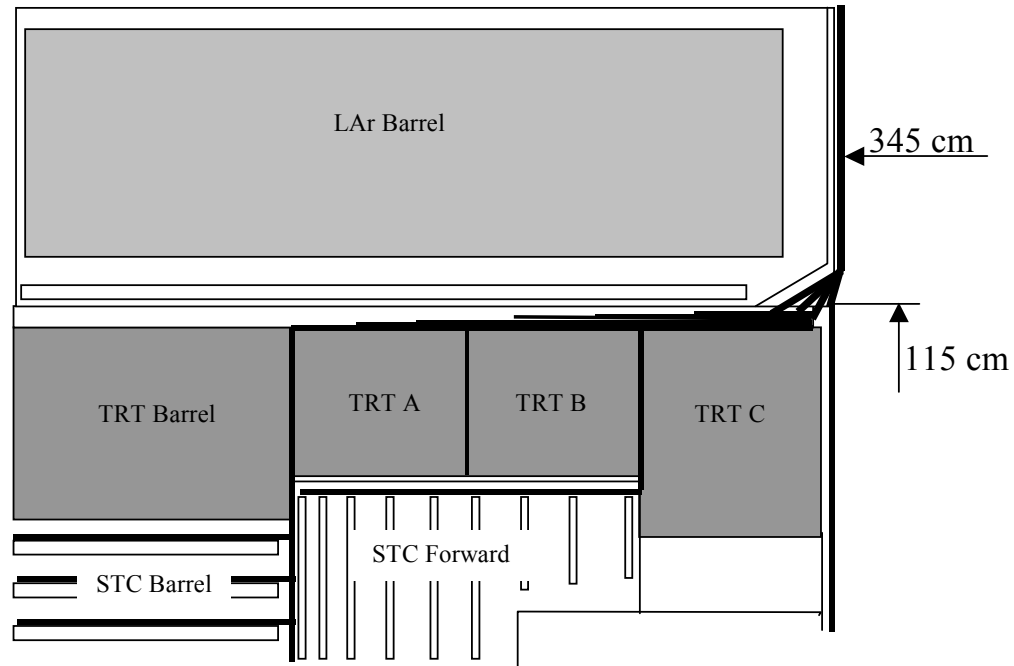


Fig. A1.4. Detector opening layout to calculations of access dose rate – Lar EC, VA, Pixel, and VI removed.

Table A1.4 (continuation)
 Equivalent dose rate in the ID access scenario for T= 100 d, t= 1 d– Lar EC, VA, Pixel, and VI removed

R/Z, cm	dR\vdZ	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 605	605- 630	630- 645	645- 660	660- 670	670
		0	10	15	15	25	25	50	50	50	25	25	15	15	10	0
0- 5	5	95.3	92.0	84.2	76.0	63.7	49.3	38.9	27.0	18.5	14.4	7.4	7.0	6.6	6.0	6.0
5- 10	5	95.7	92.3	84.4	75.9	63.6	49.4	38.9	27.0	18.5	14.3	7.4	7.0	6.6	6.0	6.0
10- 20	10	97.5	93.7	85.4	75.9	63.7	49.7	38.8	26.6	18.7	14.3	7.4	7.0	6.6	6.0	6.0
20- 30	10	101.7	98.1	87.4	75.7	63.1	49.9	38.1	26.3	19.1	14.4	7.4	7.0	6.5	6.0	6.0
30- 45	15	130.4	125.8	92.4	76.5	62.8	50.2	36.8	26.1	19.3	14.2	7.4	6.9	6.5	6.0	6.0
45- 60	15	152.4	147.1	95.9	76.5	62.1	49.7	36.0	26.0	19.4	14.1	7.4	6.9	6.3	5.8	5.8
60- 75	15	133.2	129.3	93.4	74.9	60.8	48.2	35.3	25.3	18.8	14.0	7.3	6.8	6.3	5.7	5.7
75- 95	20	121.3	116.7	89.4	72.8	57.8	46.3	34.4	24.2	18.4	13.7	7.3	6.7	6.1	5.6	5.6
95- 115	20	136.2	123.3	88.3	68.6	54.1	43.0	32.4	23.3	17.7	13.1	7.1	6.5	6.0	5.6	5.6
115- 125	10	133.0	122.3	83.5	64.2	50.8	40.6	30.8	22.3	17.0	12.9	7.0	6.5	6.0	5.5	5.5
125- 150	25	95.6	88.5	69.4	56.9	45.8	37.3	29.3	21.2	16.2	12.4	7.0	6.3	5.6	5.5	5.5
150- 175	25	67.2	63.2	52.2	45.3	38.5	32.1	26.1	19.8	15.4	11.8	6.5	6.0	5.6	5.5	5.5
175- 200	25	48.1	45.7	40.2	36.3	31.7	27.8	23.0	18.0	14.2	11.1	6.3	5.6	5.5	5.3	5.3
200- 225	25	35.9	34.0	30.9	28.7	25.9	23.1	19.8	15.9	12.9	10.4	5.9	5.5	5.4	5.0	5.0

Table A1.4 (continuation)
 Equivalent dose rate in the ID access scenario for T= 100 d, t= 5 d– Lar EC, VA, Pixel, and VI removed

R/Z, cm	dR\dZ	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 605	605- 630	630- 645	645- 660	660- 670	670
		0	10	15	15	25	25	50	50	50	25	25	15	15	10	0
0- 5	5	26.4	25	21.9	20.1	17.5	12.8	10.4	7.2	4.7	4.2	2	1.8	1.7	1.6	1.5
5- 10	5	26.5	25.1	22.1	20.3	17.5	12.8	10.4	7.2	4.7	4.2	2	1.8	1.7	1.6	1.5
10- 20	10	27	25.8	22.4	20.4	17.4	12.7	10.4	7.2	5	4.2	2	1.8	1.7	1.6	1.5
20- 30	10	28.4	27.3	23.7	20.7	17.2	13.1	10.1	7	5.1	4.2	2	1.8	1.7	1.6	1.5
30- 45	15	40	38.4	26	21	16.9	13.5	9.9	7.1	5.3	4.1	2	1.8	1.7	1.6	1.5
45- 60	15	47.7	46.2	26.9	20.8	16.7	13.7	9.4	7.2	5.3	3.9	2	1.8	1.7	1.6	1.5
60- 75	15	38.9	37.8	26	20.2	16.8	13.2	9.6	7.1	5.1	3.9	2	1.7	1.7	1.6	1.5
75- 95	20	33.8	32.5	24.3	19.8	15.6	12.7	9.6	6.9	5.2	3.9	1.9	1.7	1.7	1.4	1.4
95- 115	20	36.6	33.8	24.2	18.7	14.8	12.3	9	6.5	5	3.5	1.9	1.7	1.6	1.3	1.3
115- 125	10	36.3	33.4	22.9	17.6	14	11.3	8.6	6.4	5	3.6	1.8	1.7	1.6	1.3	1.3
125- 150	25	26.8	24.9	19.9	16.1	13	10.7	8.3	5.9	4.7	3.6	1.7	1.7	1.4	1.3	1.3
150- 175	25	20.1	18.8	16	13.7	11.5	9.4	7.7	5.7	4.6	3.4	1.7	1.6	1.3	1.2	1.2
175- 200	25	15.7	14.4	13.1	11.6	10	8.3	7.1	5.3	4	3.1	1.7	1.4	1.2	1.2	1.2
200- 225	25	12.1	11.2	10.5	9.7	8.2	7.1	6	4.8	3.7	2.9	1.4	1.3	1.2	1.2	1.2

Table A1.4 (continuation)
 Equivalent dose rate in the ID access scenario for T= 100 d, t=100d– Lar EC, VA, Pixel, and VI removed

R/Z, cm	dR/dZ	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 605	605- 630	630- 645	645- 660	660- 670	670
		0	10	15	15	25	25	50	50	50	25	25	15	15	10	0
0- 5	5	8.5	8.1	7.3	6.8	5.6	4.1	3.4	2.2	1.4	0.9	0.5	0.5	0.5	0.5	0.5
5- 10	5	8.5	8.1	7.3	6.8	5.6	4.1	3.3	2.2	1.4	0.9	0.5	0.5	0.5	0.5	0.5
10- 20	10	8.7	8.3	7.5	6.8	5.6	4.1	3.3	2.2	1.4	0.9	0.5	0.5	0.5	0.5	0.5
20- 30	10	9.3	8.9	8	6.9	5.6	4.2	3.3	2.2	1.6	0.9	0.5	0.5	0.5	0.5	0.5
30- 45	15	14	13.4	8.7	7	5.6	4.3	3.2	2.2	1.6	0.9	0.5	0.5	0.5	0.5	0.5
45- 60	15	17.1	16.5	9.3	7	5.6	4.3	3.2	2.2	1.6	0.9	0.5	0.5	0.5	0.5	0.5
60- 75	15	13.8	13.5	8.8	6.8	5.5	4.1	3.3	2.1	1.5	0.9	0.5	0.5	0.5	0.5	0.5
75- 95	20	11.7	11.5	8.2	6.4	5.2	4.1	3.3	2.1	1.4	0.9	0.5	0.5	0.5	0.5	0.5
95- 115	20	12.2	11.2	8.1	6	4.9	3.9	2.9	2.1	1.4	0.9	0.5	0.5	0.5	0.5	0.5
115- 125	10	12.1	11.1	7.6	5.8	4.3	3.5	2.7	2.1	1.3	0.9	0.5	0.5	0.5	0.5	0.5
125- 150	25	9.1	8.1	6.4	5.3	4	3.4	2.6	1.9	1.1	0.9	0.5	0.5	0.5	0.5	0.5
150- 175	25	6.6	6.1	5	4.3	3.5	3.1	2.5	1.7	1.1	0.9	0.5	0.5	0.5	0.5	0.5
175- 200	25	5.1	4.8	3.9	3.6	3.2	2.6	2.3	1.5	1.1	0.9	0.5	0.5	0.5	0.5	0.5
200- 225	25	4.1	3.7	3.4	3	2.6	2.4	2	1.2	1	0.8	0.5	0.5	0.5	0.5	0.5

Table A1.4 (continuation)
 Equivalent dose rate in the ID access scenario for T= 10y, t= 1d – Lar EC, VA, Pixel, and VI removed

R/Z, cm	dR\vdZ	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 605	605- 630	630- 645	645- 660	660- 670	670
		0	10	15	15	25	25	50	50	50	25	25	15	15	10	0
0- 5	5	111.9	108.1	99.5	90.0	75.4	58.6	46.4	32.1	22.0	17.4	9.0	8.1	7.5	7.1	7.0
5- 10	5	112.7	108.7	99.8	89.9	75.3	58.8	46.4	31.9	22.1	17.4	9.0	8.1	7.4	7.1	7.0
10- 20	10	114.5	110.8	101.4	89.7	75.2	58.9	45.9	31.8	22.4	17.4	9.0	8.1	7.4	7.1	7.0
20- 30	10	120.2	116.2	104.3	90.2	75.1	59.3	45.3	31.5	22.8	17.3	9.0	8.0	7.4	7.0	7.0
30- 45	15	157.8	152.5	110.9	91.1	74.6	59.8	44.1	30.9	23.0	17.2	9.0	8.0	7.3	7.0	7.0
45- 60	15	187.0	180.4	115.3	91.1	73.5	59.3	42.9	30.9	23.0	16.8	8.8	7.9	7.2	7.0	7.0
60- 75	15	162.1	156.9	112.1	89.0	72.0	57.1	42.1	30.1	22.8	16.7	8.8	7.8	7.1	7.0	7.0
75- 95	20	146.2	140.7	107.2	86.3	69.3	54.9	41.2	28.9	22.4	16.3	8.6	7.6	7.1	6.8	6.8
95- 115	20	160.8	146.3	104.9	81.6	64.5	51.8	38.8	27.7	21.1	15.9	8.4	7.6	7.1	6.8	6.8
115- 125	10	157.8	144.4	99.1	76.7	60.6	48.4	37.0	26.5	20.1	15.4	8.2	7.3	7.0	6.8	6.8
125- 150	25	115.2	106.1	82.9	67.9	55.2	44.6	34.8	25.4	19.6	15.1	8.1	7.1	6.8	6.8	6.8
150- 175	25	81.9	76.4	63.6	54.9	46.4	38.6	31.1	23.5	18.6	14.6	7.6	7.1	6.8	6.4	6.3
175- 200	25	59.8	56.0	49.3	44.5	39.0	33.5	27.8	21.7	17.2	13.2	7.2	6.8	6.5	6.0	6.0
200- 225	25	45.5	42.5	38.7	35.8	32.0	28.4	23.8	19.3	15.7	12.4	7.1	6.5	6.0	5.8	5.8

Table A1.4 (continuation)
 Equivalent dose rate in the ID access scenario for T= 10y, t= 5 d– Lar EC, VA, Pixel, and VI removed

R/Z, cm	dR\vdZ	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 605	605- 630	630- 645	645- 660	660- 670	670
		0	10	15	15	25	25	50	50	50	25	25	15	15	10	0
0- 5	5	43.7	41	37	33.8	29	21.7	17.5	12.1	8.2	6.4	3.5	3.2	2.7	2.6	2.5
5- 10	5	43.7	41.3	37.2	33.8	29	21.7	17.5	12.1	8.2	6.4	3.5	3	2.7	2.6	2.5
10- 20	10	44.7	42.4	38	34	28.8	21.7	17.4	12.1	8.4	6.4	3.5	3	2.7	2.6	2.5
20- 30	10	47.2	45.4	39.6	34.3	28.8	22.1	17.1	12.1	8.7	6.4	3.5	3	2.7	2.6	2.5
30- 45	15	67	64.6	43.6	35	28.2	22.5	16.7	12.1	8.8	6.3	3.4	2.9	2.7	2.5	2.4
45- 60	15	81.8	78.7	46	35	27.8	22.8	16.3	12.2	8.9	6.4	3.4	2.8	2.7	2.5	2.4
60- 75	15	67.2	65	44.3	34.2	27.6	22	16.2	11.7	9	6.5	3.4	2.8	2.7	2.5	2.4
75- 95	20	58	56	41.2	33.1	26.4	21.1	16.1	11.4	8.8	6.3	3.4	2.8	2.7	2.5	2.4
95- 115	20	61.1	56.4	40.3	31.3	24.8	20.1	15.1	11	8.3	6.3	3.4	2.7	2.7	2.5	2.4
115- 125	10	60.3	55.6	38.6	29.5	23.8	18.8	14.6	10.4	8	6.2	3.2	2.7	2.5	2.5	2.4
125- 150	25	46.2	42.5	33.2	27.1	21.9	17.7	13.9	9.8	7.8	6.2	2.9	2.7	2.5	2.5	2.4
150- 175	25	35	32.2	27.1	23	19.2	16.1	12.7	9.8	7.4	6.1	2.8	2.6	2.5	2.5	2.4
175- 200	25	26.8	24.8	22.4	19.9	17	14.3	11.8	9	6.8	5.6	2.7	2.5	2.5	2.4	2.4
200- 225	25	21.9	20	18.1	16.8	14.3	12.3	10	8.1	6.5	4.9	2.6	2.5	2.4	1.9	1.9

Table A1.4 (continuation)
 Equivalent dose rate in the ID access scenario for T= 10y, t= 100 d– Lar EC, VA, Pixel, and VI removed

R/Z, cm	dR\dZ	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 605	605- 630	630- 645	645- 660	660- 670	670
		0	10	15	15	25	25	50	50	50	25	25	15	15	10	0
0- 5	5	23.2	22.6	20.9	18.7	15.6	12.3	9.4	6.7	4.5	3.6	1.4	1.4	1.3	1.3	1.3
5- 10	5	23.6	22.6	21	18.9	15.6	12.3	9.4	6.7	4.6	3.6	1.4	1.4	1.3	1.3	1.3
10- 20	10	24.1	23.4	21.5	18.9	15.5	12.3	9.4	6.7	4.6	3.6	1.4	1.4	1.3	1.3	1.3
20- 30	10	25.6	25	22.5	19.1	15.5	12.4	9.3	6.7	4.7	3.6	1.4	1.4	1.3	1.3	1.3
30- 45	15	37.4	36.5	24.6	19.3	15.5	12.5	9.2	6.7	4.8	3.6	1.4	1.4	1.3	1.3	1.3
45- 60	15	46.9	45.5	25.8	19.4	15.4	12.5	9.1	6.6	4.8	3.6	1.4	1.3	1.3	1.3	1.3
60- 75	15	38.5	37.7	24.9	19	15.3	12.2	9.2	6.6	4.9	3.6	1.4	1.3	1.3	1.2	1.2
75- 95	20	33	32.2	23.1	18.4	14.7	11.6	8.8	6.3	4.8	3.5	1.4	1.3	1.3	1.2	1.2
95- 115	20	33.8	31.4	22.6	17.4	13.8	11	8.2	6.2	4.7	3.1	1.4	1.3	1.3	1.2	1.2
115- 125	10	33.5	30.5	21.2	16.6	13	10.2	8.1	5.7	4.5	3.1	1.4	1.3	1.2	1.2	1.2
125- 150	25	25.8	23.9	18.4	14.8	12	9.5	7.7	5.4	4.4	3	1.3	1.3	1.2	1.2	1.2
150- 175	25	19.1	17.9	14.8	12.8	10.8	9	7.2	5.4	4.4	2.9	1.3	1.2	1.2	1.1	1.1
175- 200	25	15	14	12.3	10.9	9.5	7.9	6.7	5	3.8	2.7	1.3	1.2	1.1	1.1	1.1
200- 225	25	12.7	11.6	10.4	9.4	8.1	7.1	5.6	4.6	3.3	2.5	1.2	1.1	1.1	1.1	1.1