

Addendum 5

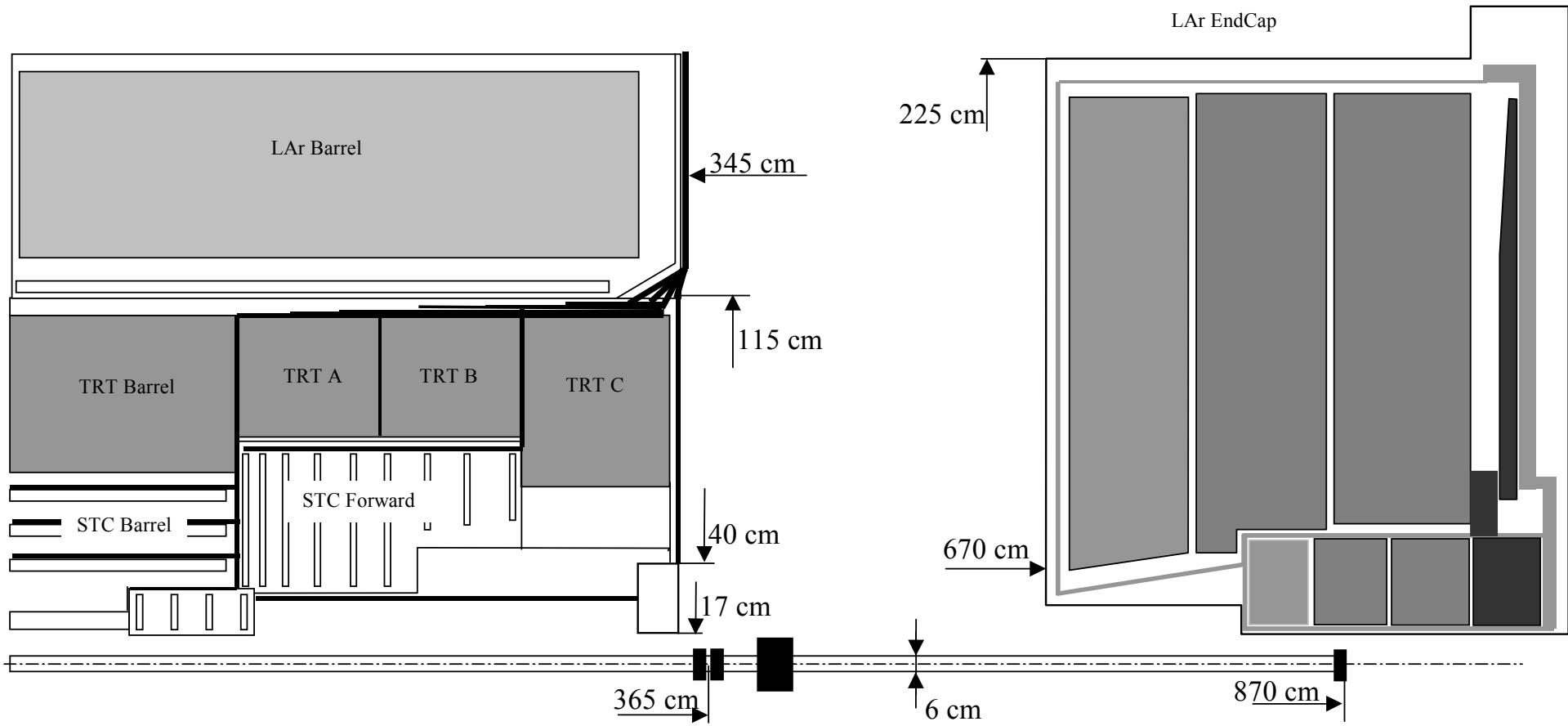


Fig. A5.1 General detector opening layout to calculations of access dose rate.

Table A5.1

Equivalent dose rate in the general access scenario for T= 2 y, t= 1 d

R/Z, cm	dR\dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670	
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0	
0- 5	5																		
5- 10	5					700.7	760.9	1575.0	5564.9	3237.6	2197.5	2901.8	4571.7	4144.0	3594.8	3482.6	3535.7	2141.1	
10- 20	10					626.0	660.0	988.0	1768.9	1526.4	1186.7	1454.6	2088.8	1986.8	1797.5	1819.2	1917.5	1305.5	
20- 30	10					521.8	542.8	668.6	867.6	864.7	774.8	901.0	1187.9	1179.2	1117.1	1170.5	1272.5	985.5	
30- 45	15					453.0	460.9	481.6	539.6	559.1	548.2	615.8	758.1	776.5	765.5	823.2	905.5	720.3	
45- 60	15					395.3	398.1	371.0	384.1	397.9	406.8	446.4	522.0	546.6	557.2	600.2	649.1	516.3	
60- 75	15					324.1	325.1	305.1	305.5	313.0	322.6	349.5	395.9	419.0	431.9	455.0	473.6	362.5	
75- 95	20					272.5	271.9	254.8	250.8	252.9	259.8	278.5	306.2	324.8	333.8	339.0	338.7	245.2	
95- 115	20					257.4	247.7	220.4	210.5	208.7	213.1	224.2	240.7	254.9	256.4	249.6	241.5	166.1	
115- 125	10					240.0	230.3	198.6	187.7	184.7	187.0	194.7	206.5	216.0	213.4	202.9	193.2	128.3	
125- 150	25					191.2	185.0	170.4	164.1	161.5	162.6	167.2	175.3	180.1	174.7	163.0	153.6	99.2	
150- 175	25					149.2	146.0	138.7	135.7	134.0	134.0	136.4	141.6	142.6	133.9	123.5	115.0	71.7	
175- 200	25					119.2	117.4	114.2	112.5	111.8	111.6	113.8	117.0	115.2	105.0	96.4	88.4	52.8	
200- 225	25					97.3	95.6	93.7	93.4	92.1	93.0	96.5	96.7	94.8	84.1	77.3	70.0	40.1	

Table A5.1 (continuation)

Equivalent dose rate in the general access scenario for T= 2 y, t= 5 d

R/Z, cm	dR\dZ	280	280-290	290-315	315-340	340	340-350	350-365	365-380	380-405	405-430	430-480	480-530	530-580	580-630	630-660	660-670	670	
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0	
0- 5	5																		
5- 10	5					424.3	472.5	1070.5	4053.4	2352.8	1589.2	2111.5	3359.3	3037.1	2605.2	2468.6	2454.6	1402.9	
10- 20	10					371.9	405.7	659.7	1251.6	1086.8	841.8	1043.2	1517.4	1436.1	1274.4	1241.5	1265.0	788.6	
20- 30	10					305.3	326.3	431.5	589.6	597.3	538.0	635.8	850.6	838.9	773.9	771.2	796.3	544.5	
30- 45	15					255.0	265.1	297.8	349.9	372.5	371.4	426.5	533.4	542.0	517.9	527.5	552.0	390.3	
45- 60	15					213.3	218.5	218.6	237.6	254.8	267.8	302.5	359.9	373.3	369.1	378.7	394.9	283.9	
60- 75	15					170.2	173.3	173.0	182.1	194.3	207.4	232.0	267.4	281.2	282.2	286.8	292.1	204.2	
75- 95	20					138.9	140.0	139.3	144.2	152.2	163.0	180.8	202.9	214.1	216.1	215.0	212.1	141.8	
95- 115	20					121.9	120.2	116.0	117.0	122.3	130.4	142.1	156.2	165.6	164.9	159.5	154.3	98.3	
115- 125	10					110.7	109.0	102.9	102.9	106.8	112.7	121.7	132.2	139.3	137.3	130.6	124.9	77.0	
125- 150	25					93.0	91.4	89.5	89.9	92.4	96.6	103.2	111.4	114.8	112.6	105.8	100.5	60.7	
150- 175	25					76.7	75.4	74.6	75.0	76.6	78.8	83.5	88.8	90.3	86.4	80.7	76.5	44.4	
175- 200	25					63.7	62.9	63.1	63.7	64.5	66.1	69.2	72.2	72.4	68.2	63.6	59.8	33.4	
200- 225	25					54.4	53.4	53.3	53.7	54.0	55.4	58.2	59.7	59.4	54.9	51.2	47.8	25.7	

Table A5.1 (continuation)

Equivalent dose rate in the general access scenario for T= 2 y, t= 15 d

R/Z, cm	dR/dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670	
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0	
0- 5	5																		
5- 10	5					284.8	313.5	687.2	2576.4	1488.2	1005.7	1344.3	2162.4	1954.2	1670.1	1583.9	1585.3	925.8	
10- 20	10					250.4	269.1	426.0	798.3	690.5	535.2	666.7	976.9	923.8	818.7	802.5	827.9	534.6	
20- 30	10					205.1	217.3	281.0	378.5	381.7	344.0	407.6	548.2	540.1	497.5	499.6	524.2	372.5	
30- 45	15					173.7	179.5	196.0	226.9	239.9	238.5	274.3	343.9	348.9	332.7	340.1	358.1	259.4	
45- 60	15					147.4	150.3	145.4	155.2	165.8	173.0	194.8	231.7	240.1	236.9	243.3	253.8	183.4	
60- 75	15					117.0	118.4	115.2	119.9	126.9	134.3	149.6	171.9	180.8	181.0	183.7	187.1	130.9	
75- 95	20					94.8	95.9	93.2	95.5	99.7	105.7	116.6	130.7	137.7	138.7	137.6	135.7	90.9	
95- 115	20					83.6	82.2	77.8	77.8	80.3	85.0	92.3	100.9	106.4	105.8	102.2	98.9	63.2	
115- 125	10					76.2	74.7	69.2	68.2	70.2	73.6	79.2	85.4	89.6	88.2	83.8	80.1	49.7	
125- 150	25					63.3	62.3	60.0	59.9	60.9	63.5	67.1	72.0	74.3	72.3	67.9	64.6	39.1	
150- 175	25					51.7	50.6	49.9	50.0	50.5	52.0	54.3	57.5	58.3	55.8	52.0	49.0	28.8	
175- 200	25					43.3	42.1	42.1	42.3	42.6	43.3	45.2	47.1	47.0	43.9	41.1	38.4	21.6	
200- 225	25					36.4	35.6	35.6	35.7	35.6	36.4	38.2	38.7	38.8	35.5	33.0	30.7	16.7	

Table A5.1 (continuation)

Equivalent dose rate in the general access scenario for T= 2 y, t= 30 d

R/Z, cm	dR\dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670	
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0	
0- 5	5																		
5- 10	5					210.8	229.5	487.0	1799.6	1030.6	695.6	940.0	1530.2	1377.8	1166.6	1110.9	1121.0	667.3	
10- 20	10					185.2	196.3	302.3	558.6	480.8	372.6	467.6	691.4	652.1	574.8	567.2	593.8	394.9	
20- 30	10					151.3	158.6	201.1	266.8	268.1	241.1	286.8	387.7	381.5	350.0	354.5	377.8	279.4	
30- 45	15					129.6	133.0	141.6	161.6	169.8	168.4	193.6	243.4	246.5	234.3	241.2	257.0	189.7	
45- 60	15					111.8	113.4	105.9	111.9	118.1	122.8	138.1	163.9	169.5	166.9	172.0	179.4	130.8	
60- 75	15					88.1	89.2	84.6	86.8	90.8	95.8	106.1	121.5	127.6	127.5	129.5	131.5	92.7	
75- 95	20					71.2	71.6	68.9	69.3	71.8	75.5	82.5	92.6	97.5	97.5	96.9	95.6	64.5	
95- 115	20					62.9	61.6	57.4	56.6	57.9	61.0	65.6	71.7	75.1	74.4	72.2	69.5	44.8	
115- 125	10					57.7	56.1	51.1	50.0	50.8	52.8	56.6	60.5	63.3	62.0	59.2	56.3	35.1	
125- 150	25					47.5	46.3	44.2	43.9	44.1	45.6	47.9	51.0	52.6	51.1	48.2	45.5	27.8	
150- 175	25					38.5	37.7	36.8	36.8	37.1	37.3	38.8	41.2	41.5	39.6	36.9	34.5	20.4	
175- 200	25					32.1	31.3	31.1	31.0	30.8	31.2	32.4	33.6	33.3	31.2	29.1	27.1	15.4	
200- 225	25					27.2	26.3	25.7	25.9	26.0	26.3	27.5	27.8	27.6	25.3	23.4	21.6	11.9	

Table A5.1 (continuation)

Equivalent dose rate in the general access scenario for T= 2 y, t= 100 d

R/Z, cm	dR\dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670	
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0	
0- 5	5																		
5- 10	5					119.6	129.5	264.2	942.4	530.4	355.3	487.5	805.9	720.5	608.2	585.6	596.1	366.7	
10- 20	10					106.7	110.6	163.9	294.6	250.4	193.0	244.2	364.9	343.0	303.3	306.3	328.3	229.7	
20- 30	10					87.0	89.2	109.8	142.6	141.2	126.3	151.0	205.3	201.7	186.9	195.6	218.4	179.3	
30- 45	15					75.1	76.4	78.3	87.7	90.7	89.4	103.0	129.2	131.5	126.6	134.8	148.9	119.5	
45- 60	15					65.3	66.2	59.8	61.8	63.9	65.8	74.1	87.5	91.0	90.8	96.2	102.7	79.4	
60- 75	15					51.6	52.1	48.2	48.4	49.8	52.0	57.2	65.4	69.0	69.8	72.4	74.6	55.4	
75- 95	20					42.2	42.0	39.5	39.3	39.6	41.5	44.9	50.1	53.1	53.6	53.8	53.9	38.3	
95- 115	20					37.3	36.2	33.2	32.3	32.4	33.4	36.1	39.2	41.1	41.0	40.1	38.9	26.1	
115- 125	10					34.0	33.0	29.3	28.5	28.6	29.4	31.4	33.2	34.7	34.2	32.6	31.3	20.4	
125- 150	25					28.2	27.1	25.9	25.1	25.0	25.8	26.8	28.0	29.1	28.1	26.5	25.1	16.1	
150- 175	25					22.9	22.5	21.6	21.1	20.9	21.0	21.6	22.7	22.9	21.6	20.2	18.9	11.8	
175- 200	25					18.9	18.4	18.0	18.0	17.6	17.7	18.3	18.8	18.4	17.1	16.1	14.5	8.5	
200- 225	25					15.9	15.5	15.0	14.8	15.0	14.9	15.5	15.5	15.2	13.6	12.9	11.5	6.5	

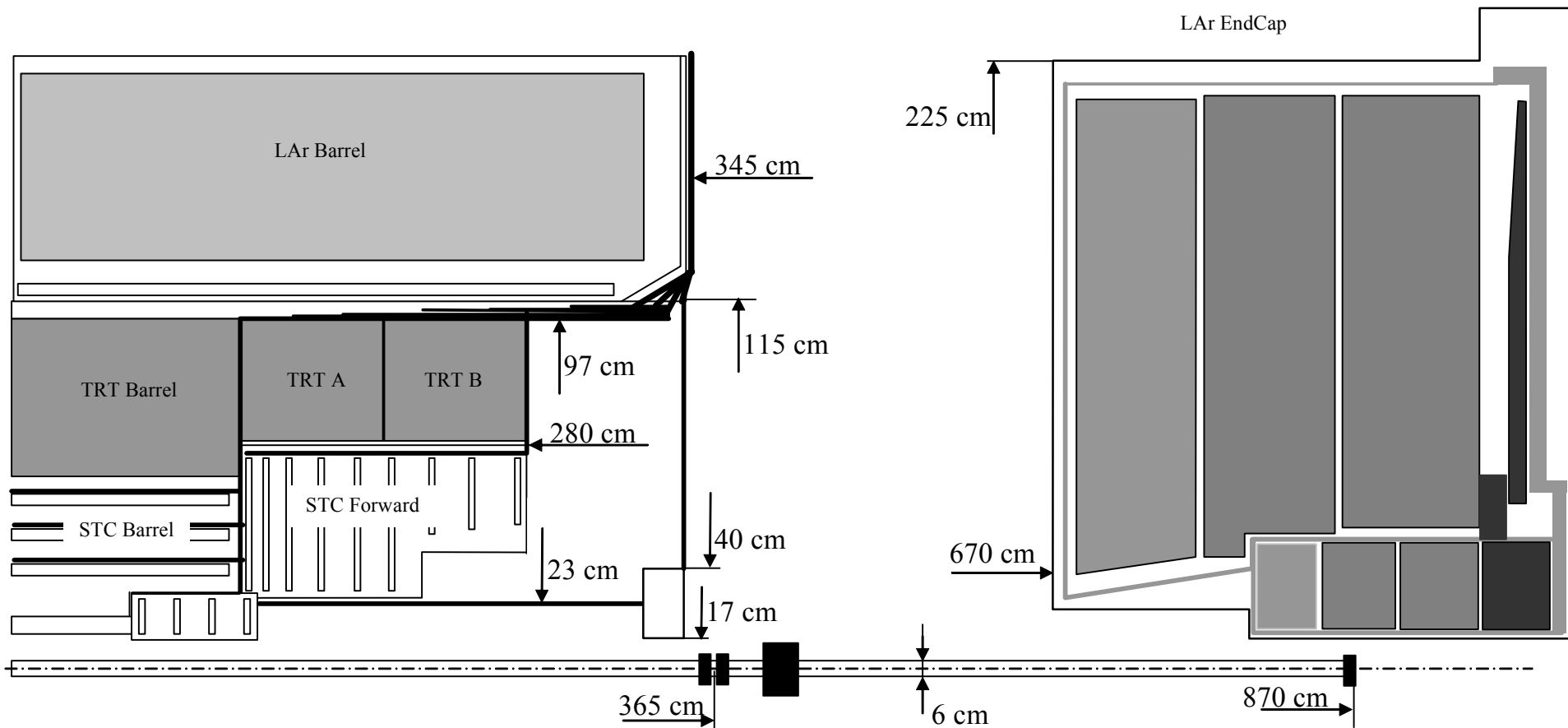


Fig. A5.2 Detector opening layout to calculations of access dose rate – TRT C removed.

Table A5.2

Equivalent dose rate in the general access scenario for T= 2 y, t= 1 d – TRT C removed

R/Z, cm	dR\dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670	
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0	
0- 5	5																		
5- 10	5					699.3	759.5	1573.8	5563.9	3236.8	2197.0	2901.4	4571.5	4143.8	3594.7	3482.5	3535.6	2141.3	
10- 20	10					624.5	658.6	986.8	1767.9	1525.6	1186.2	1454.2	2088.6	1986.6	1797.4	1819.1	1917.4	1305.7	
20- 30	10					520.1	541.4	667.4	866.6	863.9	774.3	900.6	1187.7	1179.0	1117.0	1170.4	1272.4	985.7	
30- 45	15					451.1	459.2	480.2	538.6	558.3	547.7	615.5	757.9	776.3	765.4	823.1	905.4	720.5	
45- 60	15					392.9	396.0	369.7	383.1	397.1	406.4	446.1	521.8	546.4	557.1	600.2	649.0	516.5	
60- 75	15					321.6	323.0	303.7	304.5	312.3	322.2	349.2	395.7	418.8	431.8	455.0	473.5	362.7	
75- 95	20					270.4	270.1	253.6	249.9	252.4	259.3	278.1	306.1	324.6	333.7	339.0	338.6	245.4	
95- 115	20					256.0	246.4	219.5	209.8	208.1	212.7	224.0	240.5	254.7	256.3	249.6	241.4	166.3	
115- 125	10					239.1	229.4	197.8	187.1	184.3	186.6	194.4	206.2	215.9	213.3	202.9	193.1	128.5	
125- 150	25					190.6	184.3	169.8	163.7	161.2	162.2	167.0	175.1	180.0	174.6	163.0	153.5	99.4	
150- 175	25					148.8	145.5	138.2	135.4	133.8	133.7	136.3	141.5	142.5	133.8	123.4	114.9	71.9	
175- 200	25					119.0	117.1	113.9	112.3	111.6	111.4	113.6	116.9	115.1	104.8	96.3	88.3	53.0	
200- 225	25					97.0	95.3	93.5	93.2	92.0	92.9	96.4	96.5	94.7	84.1	77.2	69.9	40.3	

Table A5.2 (continuation)

Equivalent dose rate in the general access scenario for T= 2 y, t= 5 d – TRT C removed

R/Z, cm	dR\dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670	
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0	
0- 5	5																		
5- 10	5					423.9	472.1	1070.3	4053.2	2352.7	1589.1	2111.4	3359.3	3037.1	2605.2	2468.6	2454.6	1403.0	
10- 20	10					371.5	405.3	659.5	1251.4	1086.7	841.7	1043.1	1517.4	1436.1	1274.4	1241.5	1265.0	788.7	
20- 30	10					304.9	325.9	431.3	589.4	597.2	537.9	635.7	850.6	838.9	773.9	771.2	796.3	544.6	
30- 45	15					254.5	264.7	297.6	349.7	372.4	371.3	426.4	533.4	542.0	517.9	527.5	552.0	390.4	
45- 60	15					212.7	218.0	218.3	237.3	254.7	267.7	302.4	359.8	373.3	369.1	378.7	394.9	284.0	
60- 75	15					169.5	172.8	172.7	181.8	194.2	207.3	231.9	267.3	281.2	282.2	286.8	292.1	204.3	
75- 95	20					138.4	139.6	139.1	143.9	152.1	162.9	180.8	202.8	214.1	216.1	215.0	212.1	141.9	
95- 115	20					121.5	120.0	115.8	116.9	122.2	130.3	142.1	156.1	165.6	164.9	159.5	154.3	98.4	
115- 125	10					110.4	108.8	102.7	102.8	106.8	112.6	121.7	132.1	139.3	137.3	130.6	124.9	77.1	
125- 150	25					92.7	91.3	89.4	89.8	92.3	96.4	103.2	111.3	114.8	112.6	105.8	100.5	60.8	
150- 175	25					76.5	75.3	74.6	74.9	76.5	78.8	83.4	88.7	90.2	86.4	80.7	76.5	44.6	
175- 200	25					63.7	62.9	63.0	63.6	64.4	66.1	69.2	72.1	72.4	68.2	63.6	59.8	33.6	
200- 225	25					54.3	53.2	53.2	53.7	54.0	55.3	58.1	59.7	59.4	54.9	51.2	47.8	25.9	

Table A5.2 (continuation)
 Equivalent dose rate in the general access scenario for T= 2 y, t= 15 d – TRT C removed

R/Z, cm	dR\dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670	
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0	
0- 5	5																		
5- 10	5					284.8	313.5	687.1	2576.3	1488.2	1005.6	1344.3	2162.4	1954.2	1670.1	1583.9	1585.3	925.9	
10- 20	10					250.4	269.1	425.9	798.2	690.5	535.1	666.7	976.9	923.8	818.7	802.5	827.9	534.7	
20- 30	10					205.1	217.3	280.9	378.4	381.7	343.9	407.6	548.2	540.1	497.5	499.6	524.2	372.6	
30- 45	15					173.6	179.5	195.9	226.8	239.9	238.5	274.3	343.9	348.9	332.7	340.1	358.1	259.5	
45- 60	15					147.3	150.2	145.4	155.1	165.8	173.0	194.8	231.7	240.1	236.9	243.3	253.8	183.5	
60- 75	15					116.9	118.4	115.2	119.8	126.9	134.3	149.5	171.9	180.8	181.0	183.7	187.1	131.0	
75- 95	20					94.8	95.8	93.2	95.5	99.7	105.7	116.6	130.7	137.7	138.7	137.6	135.7	91.0	
95- 115	20					83.6	82.2	77.6	77.8	80.3	85.0	92.3	100.9	106.4	105.8	102.2	98.9	63.3	
115- 125	10					76.1	74.7	69.1	68.2	70.2	73.6	79.2	85.4	89.6	88.2	83.8	80.1	49.8	
125- 150	25					63.2	62.2	60.0	59.9	60.8	63.5	67.1	72.0	74.3	72.3	67.9	64.6	39.2	
150- 175	25					51.6	50.6	49.9	49.9	50.5	52.0	54.3	57.5	58.3	55.8	52.0	49.0	28.9	
175- 200	25					43.2	42.1	42.1	42.3	42.6	43.3	45.2	47.1	47.0	43.9	41.1	38.4	21.7	
200- 225	25					36.4	35.6	35.6	35.6	35.6	36.4	38.2	38.7	38.7	35.5	33.0	30.7	16.8	

Table A5.2 (continuation)
 Equivalent dose rate in the general access scenario for T= 2 y, t= 30 d – TRT C removed

R/Z, cm	dR\dz	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670	
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0	
0- 5	5																		
5- 10	5					210.8	229.5	487.0	1799.6	1030.6	695.6	940.0	1530.2	1377.8	1166.6	1110.9	1121.0	667.4	
10- 20	10					185.2	196.3	302.3	558.6	480.8	372.6	467.6	691.4	652.1	574.8	567.2	593.8	395.0	
20- 30	10					151.2	158.6	201.1	266.8	268.1	241.1	286.8	387.7	381.5	350.0	354.5	377.8	279.5	
30- 45	15					129.5	132.9	141.6	161.6	169.8	168.4	193.6	243.4	246.5	234.3	241.2	257.0	189.8	
45- 60	15					111.8	113.3	105.9	111.9	118.1	122.8	138.1	163.9	169.5	166.9	172.0	179.4	130.9	
60- 75	15					88.1	89.2	84.6	86.7	90.8	95.8	106.1	121.5	127.6	127.5	129.5	131.5	92.8	
75- 95	20					71.2	71.6	68.8	69.2	71.8	75.5	82.5	92.6	97.5	97.5	96.9	95.6	64.6	
95- 115	20					62.9	61.6	57.4	56.6	57.8	61.0	65.6	71.6	75.1	74.4	72.2	69.5	44.9	
115- 125	10					57.6	56.1	51.1	50.0	50.8	52.8	56.6	60.5	63.3	62.0	59.2	56.3	35.2	
125- 150	25					47.5	46.3	44.2	43.9	44.1	45.6	47.9	51.0	52.6	51.1	48.2	45.5	27.9	
150- 175	25					38.5	37.7	36.8	36.8	37.1	37.3	38.8	41.2	41.5	39.6	36.9	34.5	20.5	
175- 200	25					32.1	31.3	31.1	31.0	30.8	31.2	32.4	33.6	33.3	31.2	29.1	27.1	15.5	
200- 225	25					27.1	26.3	25.7	25.9	26.0	26.3	27.5	27.8	27.6	25.3	23.4	21.6	12.0	

Table A5.2 (continuation)
 Equivalent dose rate in the general access scenario for T= 2y, t= 100 d – TRT C removed

R/Z, cm	dR/dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670	
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0	
0- 5	5																		
5- 10	5					119.6	129.5	264.2	942.4	530.4	355.3	487.5	805.9	720.5	608.2	585.6	596.1	366.8	
10- 20	10					106.7	110.6	163.9	294.6	250.4	193.0	244.2	364.9	343.0	303.3	306.3	328.3	229.8	
20- 30	10					87.0	89.2	109.8	142.6	141.2	126.3	151.0	205.3	201.7	186.9	195.6	218.4	179.4	
30- 45	15					75.1	76.4	78.3	87.7	90.7	89.4	103.0	129.2	131.5	126.6	134.8	148.9	119.6	
45- 60	15					65.3	66.1	59.8	61.7	63.9	65.8	74.1	87.5	91.0	90.8	96.2	102.7	79.5	
60- 75	15					51.6	52.1	48.2	48.4	49.8	52.0	57.2	65.4	69.0	69.8	72.4	74.6	55.5	
75- 95	20					42.2	42.0	39.5	39.3	39.6	41.5	44.9	50.1	53.1	53.6	53.8	53.9	38.4	
95- 115	20					37.3	36.2	33.2	32.3	32.4	33.4	36.1	39.2	41.1	41.0	40.1	38.9	26.2	
115- 125	10					34.0	33.0	29.3	28.5	28.6	29.4	31.4	33.2	34.7	34.2	32.6	31.3	20.5	
125- 150	25					28.2	27.1	25.9	25.1	25.0	25.8	26.7	28.0	29.1	28.1	26.5	25.1	16.2	
150- 175	25					22.9	22.5	21.6	21.1	20.9	21.0	21.6	22.7	22.9	21.6	20.2	18.9	11.9	
175- 200	25					18.9	18.4	18.0	18.0	17.6	17.7	18.3	18.8	18.4	17.1	16.1	14.5	8.6	
200- 225	25					15.9	15.5	15.0	14.8	15.0	14.9	15.5	15.5	15.2	13.6	12.9	11.5	6.5	

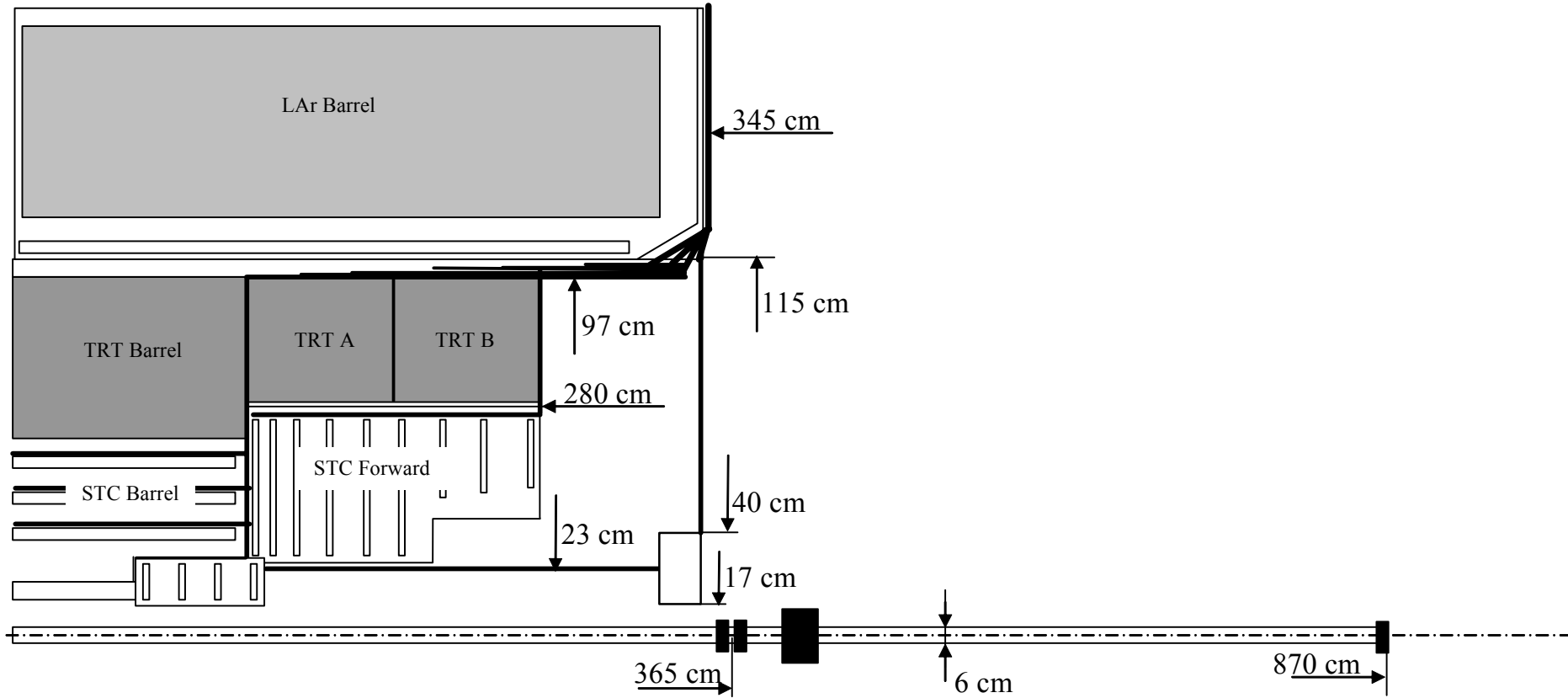


Fig. A5.3. Detector opening layout to calculations of access dose rate – TRT C, LAr EndCap removed.

Table A5.3

Equivalent dose rate in the ID access scenario for T= 2 y, t= 1 d – TRT C, LAr EndCap removed

R/Z, cm	dR\dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670	
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0	
0- 5	5																		
5- 10	5					666.1	725.8	1538.2	5525.8	3195.0	2149.9	2843.6	4491.0	4022.0	3369.0	3066.3	2923.1	1454.7	
10- 20	10					593.0	626.4	952.9	1731.5	1485.6	1141.1	1398.8	2011.2	1868.3	1587.2	1440.3	1371.6	683.1	
20- 30	10					490.4	511.2	635.4	832.4	826.4	732.1	848.7	1115.2	1067.3	924.8	837.6	797.6	399.7	
30- 45	15					424.0	431.7	451.2	507.7	524.5	509.7	568.9	692.5	677.4	598.4	542.8	517.4	260.6	
45- 60	15					368.4	371.1	343.6	355.4	366.8	372.4	404.2	463.0	458.7	412.4	375.5	358.8	181.9	
60- 75	15					299.4	300.5	280.0	279.4	285.0	291.4	310.6	341.6	339.3	309.2	282.5	270.7	138.2	
75- 95	20					250.5	249.9	232.6	227.6	227.9	231.2	242.4	257.2	256.1	235.3	216.1	207.7	106.6	
95- 115	20					238.6	228.7	200.8	189.6	185.4	186.2	191.3	198.1	196.4	181.8	167.5	161.3	83.6	
115- 125	10					222.7	212.8	179.9	167.5	162.3	161.3	164.1	167.7	165.6	153.5	142.1	137.1	71.6	
125- 150	25					174.2	167.9	152.2	144.6	140.0	138.5	140.0	141.0	138.9	128.7	119.4	115.2	60.5	
150- 175	25					132.9	129.0	121.0	117.1	114.5	113.3	113.6	113.6	111.6	103.1	95.8	92.9	49.5	
175- 200	25					103.8	101.8	98.1	96.3	95.3	94.7	94.7	94.3	91.9	84.5	78.9	76.5	41.3	
200- 225	25					83.9	82.2	80.7	80.6	79.5	79.3	79.5	78.8	77.3	71.0	66.4	64.5	35.2	

Table A5.3 (continuation)
 Equivalent dose rate in the ID access scenario for T= 2 y, t= 5 d – TRT C, LAr EndCap removed

R/Z, cm	dR/dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670	
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0	
0- 5	5																		
5- 10	5					407.0	454.9	1052.2	4033.8	2331.4	1565.2	2082.1	3318.7	2975.7	2493.3	2269.6	2166.0	1073.8	
10- 20	10					355.4	388.9	642.1	1232.7	1066.2	818.6	1014.9	1478.2	1376.5	1171.7	1064.1	1016.4	505.3	
20- 30	10					289.6	310.3	414.8	571.8	577.8	516.2	609.2	813.7	782.8	680.9	617.8	588.9	293.8	
30- 45	15					240.5	250.5	282.7	333.9	355.1	351.9	402.7	500.6	493.4	438.9	399.3	381.2	190.6	
45- 60	15					200.3	205.4	205.1	223.2	239.5	250.6	281.4	330.8	331.0	300.8	275.2	263.1	132.0	
60- 75	15					158.4	161.5	160.8	169.3	180.5	191.9	212.8	241.0	243.0	224.3	206.4	198.1	99.7	
75- 95	20					128.5	129.6	128.7	132.8	139.9	148.9	163.1	179.0	181.4	169.3	157.2	151.1	76.4	
95- 115	20					112.8	111.2	106.4	106.8	110.9	117.3	126.1	135.8	137.5	129.6	121.0	117.1	59.5	
115- 125	10					102.2	100.5	93.7	93.1	95.9	100.3	107.1	113.6	114.9	108.9	102.2	98.9	50.3	
125- 150	25					84.7	83.1	80.7	80.4	82.0	85.1	90.2	94.7	95.3	90.8	85.5	82.8	42.4	
150- 175	25					68.7	67.4	66.3	66.2	67.3	69.0	72.3	75.2	75.5	72.0	68.1	66.3	34.0	
175- 200	25					56.5	55.6	55.6	55.9	56.5	57.9	59.9	61.5	61.4	58.8	55.8	54.3	28.0	
200- 225	25					47.9	46.8	46.8	47.4	47.7	48.6	50.0	51.3	51.3	48.9	46.6	45.3	23.5	

Table A5.3 (continuation)
 Equivalent dose rate in the ID access scenario for T= 2 y, t= 15 d – TRT C, LAr EndCap removed

R/Z, cm	dR\dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670	
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0	
0- 5	5																		
5- 10	5					273.9	302.3	675.2	2563.5	1474.2	989.7	1324.7	2134.9	1911.8	1591.7	1438.5	1370.7	680.8	
10- 20	10					239.7	258.3	414.4	786.0	676.9	519.8	647.9	950.4	883.2	747.5	675.7	643.4	320.2	
20- 30	10					195.0	207.0	270.0	366.7	368.9	329.4	389.8	523.3	502.4	434.3	392.6	373.6	186.4	
30- 45	15					164.3	170.1	185.9	216.3	228.4	225.5	258.4	322.1	316.7	280.1	253.8	241.8	121.1	
45- 60	15					139.0	141.8	136.5	145.8	155.6	161.7	181.0	212.9	212.7	192.2	175.1	167.5	84.2	
60- 75	15					109.4	110.8	107.4	111.5	117.9	124.3	137.3	155.2	156.2	143.5	131.6	126.1	63.6	
75- 95	20					88.3	89.2	86.4	88.3	91.9	97.0	105.6	115.5	116.6	108.6	100.3	96.3	48.8	
95- 115	20					78.1	76.6	71.8	71.5	73.3	76.8	82.1	87.7	88.6	83.1	77.4	74.6	38.0	
115- 125	10					71.0	69.5	63.6	62.2	63.4	65.7	69.7	73.6	74.1	69.9	65.3	63.1	32.3	
125- 150	25					58.3	57.2	54.5	53.9	54.2	56.0	58.8	61.5	61.6	58.3	54.6	52.9	27.1	
150- 175	25					46.6	45.5	44.4	44.2	44.5	45.7	47.3	48.9	48.9	46.3	43.6	42.2	21.8	
175- 200	25					38.4	37.3	37.3	37.4	37.6	38.2	39.4	40.1	39.9	37.7	35.8	34.7	18.0	
200- 225	25					32.4	31.6	31.7	31.7	31.8	32.2	32.9	33.4	33.4	31.5	29.7	29.0	15.1	

Table A5.3 (continuation)
 Equivalent dose rate in the ID access scenario for T= 2 y, t= 30 d – TRT C, LAr EndCap removed

R/Z, cm	dR/dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670	
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0	
0- 5	5																		
5- 10	5					202.8	221.4	478.4	1790.4	1020.4	684.1	925.6	1509.7	1345.8	1106.5	996.1	947.7	470.8	
10- 20	10					177.6	188.5	294.0	549.7	471.0	361.5	453.7	671.8	621.8	520.9	468.1	445.4	221.8	
20- 30	10					143.8	151.1	193.2	258.3	258.7	230.5	273.7	369.4	353.7	302.8	272.4	258.9	129.4	
30- 45	15					122.7	126.0	134.4	153.8	161.3	158.8	182.0	227.4	223.0	195.5	176.6	168.0	84.0	
45- 60	15					105.7	107.1	99.5	105.0	110.6	114.4	128.0	150.4	149.7	134.4	122.1	116.3	58.4	
60- 75	15					82.7	83.7	78.9	80.7	84.3	88.6	97.4	109.6	110.0	100.4	91.8	87.6	44.3	
75- 95	20					66.6	67.0	63.9	64.2	66.4	69.4	74.9	81.8	82.3	75.9	70.1	67.0	34.0	
95- 115	20					59.2	57.7	53.4	52.3	53.0	55.3	58.4	62.1	62.4	58.1	54.2	51.9	26.4	
115- 125	10					54.2	52.6	47.3	45.9	46.1	47.2	49.7	52.2	52.3	48.9	45.8	43.9	22.5	
125- 150	25					44.1	42.8	40.5	39.7	39.4	40.2	41.9	43.7	43.5	41.0	38.5	36.9	19.0	
150- 175	25					34.9	34.0	32.9	32.6	32.7	32.8	34.0	35.0	34.7	32.8	30.6	29.4	15.3	
175- 200	25					28.6	27.8	27.6	27.5	27.3	27.8	28.3	28.5	28.3	26.7	25.0	24.3	12.7	
200- 225	25					24.3	23.5	23.0	23.3	23.4	23.4	23.7	24.0	23.7	22.4	20.8	20.3	10.7	

Table A5.3 (continuation)
 Equivalent dose rate in the ID access scenario for T= 2 y, t= 100 d – TRT C, LAr EndCap removed

R/Z, cm	dR\dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670	
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0	
0- 5	5																		
5- 10	5					114.7	124.6	259.0	936.7	524.1	348.2	478.6	793.1	700.3	569.8	509.3	482.2	239.6	
10- 20	10					102.1	105.8	158.9	289.1	244.4	186.2	235.7	352.7	323.9	268.5	239.5	226.8	113.0	
20- 30	10					82.5	84.7	105.0	137.4	135.5	119.8	142.9	193.9	184.4	156.3	139.5	132.0	66.0	
30- 45	15					70.9	72.2	73.9	82.9	85.4	83.5	95.7	119.2	116.6	101.0	90.5	85.8	43.0	
45- 60	15					61.6	62.3	55.7	57.4	59.2	60.6	67.8	79.0	78.3	69.4	62.5	59.5	30.0	
60- 75	15					48.2	48.7	44.6	44.6	45.8	47.5	51.8	57.8	57.7	51.9	47.1	44.9	22.8	
75- 95	20					39.3	39.1	36.5	36.1	36.3	37.7	40.1	43.3	43.2	39.4	35.9	34.5	17.6	
95- 115	20					35.0	33.8	30.8	29.6	29.4	29.9	31.5	33.1	33.0	30.2	27.9	26.8	13.7	
115- 125	10					31.9	30.8	27.0	25.9	25.7	25.8	26.9	27.8	27.6	25.5	23.5	22.7	11.8	
125- 150	25					26.1	25.0	23.5	22.4	22.0	22.3	22.8	23.3	23.1	21.4	19.8	19.2	10.0	
150- 175	25					20.6	20.1	19.0	18.4	18.1	18.1	18.6	18.7	18.3	17.0	15.8	15.4	8.2	
175- 200	25					16.6	16.1	15.8	15.7	15.4	15.5	15.7	15.4	15.1	13.9	13.1	12.6	6.7	
200- 225	25					14.2	13.8	13.4	13.2	13.3	13.0	13.0	13.0	12.6	11.6	11.0	10.6	5.6	

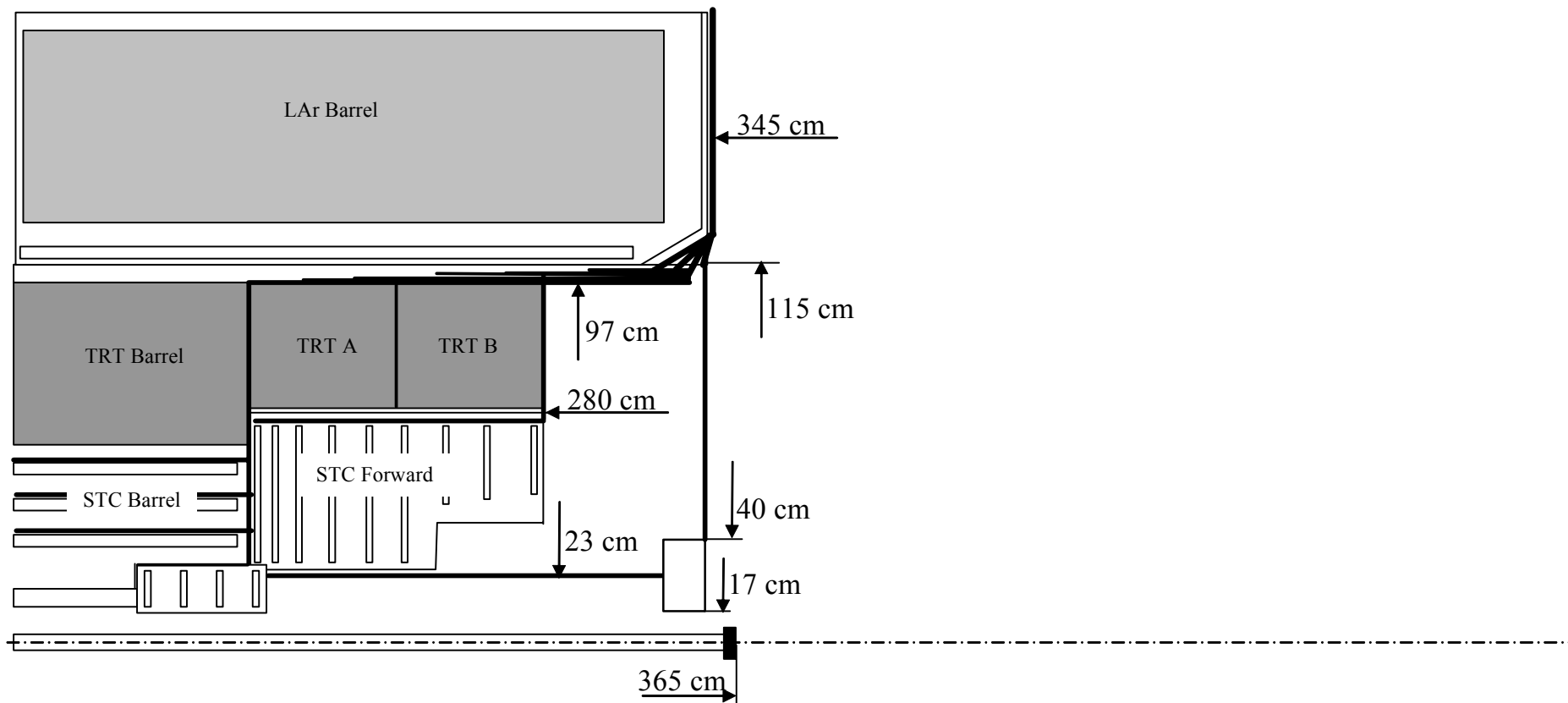


Fig. A5.4. Detector opening layout to calculations of access dose rate – TRT C, Lar EC, and VA removed.

Table A5.4

Equivalent dose rate in the ID access scenario for T= 2 y, t= 1d – TRT C, Lar EC, and VA removed

R/Z, cm	dR\dz	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0
0- 5	5								193.8	89.5	62.2	46.4	31.3	21.6	13.0	8.1	7.4	7.3
5- 10	5					278.3	247.4	223.4	152.6	88.8	62.3	46.3	31.2	21.6	13.0	8.1	7.4	7.3
10- 20	10					246.2	214.6	161.9	123.9	87.1	62.0	46.0	31.0	21.8	12.9	8.1	7.4	7.3
20- 30	10					201.3	183.5	141.5	111.5	84.3	62.0	45.1	30.7	21.9	12.9	8.1	7.4	7.3
30- 45	15					197.8	185.3	131.7	103.8	80.8	61.7	43.9	30.5	22.3	12.7	8.0	7.3	7.3
45- 60	15					194.3	186.2	123.9	97.5	77.1	60.3	42.6	30.1	22.1	12.6	8.0	7.3	7.3
60- 75	15					159.9	154.7	114.1	91.2	73.2	57.5	41.5	29.4	21.5	12.6	7.6	7.3	7.3
75- 95	20					138.5	134.0	104.3	85.0	68.4	54.0	40.1	27.9	21.1	12.3	7.6	7.3	6.9
95- 115	20					147.2	134.8	99.0	78.4	62.6	50.1	37.6	26.7	20.2	12.2	7.5	6.9	6.8
115- 125	10					142.9	131.1	92.2	72.6	58.3	46.5	35.7	25.8	19.7	12.0	7.5	6.8	6.8
125- 150	25					104.9	97.1	76.9	64.0	52.3	42.7	33.5	24.4	18.8	11.5	7.5	6.7	6.5
150- 175	25					74.9	70.0	58.8	51.2	43.7	36.8	29.6	22.4	17.7	10.8	7.1	6.5	6.5
175- 200	25					54.3	51.5	45.5	41.0	36.5	31.8	26.4	20.8	16.3	9.9	6.7	6.2	6.2
200- 225	25					41.0	38.8	35.5	33.4	29.7	26.4	22.7	18.2	15.1	9.4	6.5	6.0	6.0

Table A5.4 (continuation)
 Equivalent dose rate in the ID access scenario for T= 2 y, t= 5 d – TRT C, Lar EC, and VA removed

R/Z, cm	dR\dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0
0- 5	5								65.4	30.2	19.8	15.1	9.9	6.6	4.3	2.5	2.5	2.5
5- 10	5					119.8	100.8	78.6	51.8	29.7	19.9	15.1	9.9	6.6	4.4	2.5	2.5	2.5
10- 20	10					98.8	84.2	57.3	42.0	28.8	19.9	15.1	9.9	6.8	4.4	2.5	2.5	2.5
20- 30	10					75.6	67.6	49.3	37.8	27.9	20.0	14.6	9.9	7.0	4.4	2.5	2.5	2.4
30- 45	15					73.2	68.0	45.7	34.9	26.4	20.0	14.1	9.9	7.2	4.3	2.5	2.5	2.4
45- 60	15					71.3	68.4	42.3	32.2	24.9	19.4	13.6	9.8	7.2	4.3	2.5	2.4	2.4
60- 75	15					55.1	53.5	37.8	29.6	23.6	18.4	13.3	9.5	7.1	4.1	2.5	2.4	2.4
75- 95	20					45.2	43.5	33.5	27.2	21.8	17.5	13.2	9.0	7.1	4.0	2.5	2.4	2.4
95- 115	20					45.1	41.7	31.0	24.5	20.0	16.4	12.2	8.7	6.9	3.9	2.5	2.4	2.4
115- 125	10					43.1	39.9	28.7	22.9	18.8	15.4	11.9	8.4	6.6	3.9	2.5	2.4	2.3
125- 150	25					33.3	30.7	24.9	20.6	17.1	14.1	11.3	8.2	6.2	3.8	2.4	2.2	2.2
150- 175	25					25.7	23.6	20.2	17.4	14.8	12.3	10.0	7.7	5.9	3.6	2.4	2.2	2.1
175- 200	25					19.8	18.3	16.7	14.9	13.0	11.3	9.3	7.0	5.4	3.4	2.3	2.0	2.0
200- 225	25					16.0	14.6	13.4	12.4	10.8	9.4	7.9	6.4	5.1	3.1	2.2	1.9	1.9

Table A5.4 (continuation)
 Equivalent dose rate in the ID access scenario for T= 2 y, t= 15 d – TRT C, Lar EC, and VA removed

R/Z, cm	dR\dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0
0- 5	5								55.1	23.6	15.7	11.7	7.7	5.0	3.2	2.0	1.8	1.8
5- 10	5					93.1	79.7	65.2	42.7	23.4	15.8	11.7	7.7	5.0	3.2	2.0	1.8	1.8
10- 20	10					78.0	66.5	46.1	33.8	22.7	15.7	11.7	7.7	5.2	3.2	2.0	1.8	1.8
20- 30	10					59.8	53.7	39.3	29.7	21.8	15.7	11.5	7.7	5.3	3.1	2.0	1.8	1.8
30- 45	15					58.5	54.7	36.2	27.2	20.6	15.4	11.0	7.7	5.4	3.1	1.9	1.8	1.8
45- 60	15					57.4	55.2	33.7	24.9	19.6	15.1	10.5	7.5	5.5	3.2	1.9	1.8	1.8
60- 75	15					44.0	42.4	29.6	23.1	18.4	14.3	10.3	7.3	5.5	3.2	1.9	1.8	1.8
75- 95	20					35.6	34.6	26.0	21.2	17.0	13.6	10.1	6.9	5.4	3.2	1.9	1.8	1.8
95- 115	20					35.2	32.5	24.0	19.3	15.5	12.7	9.5	6.7	5.3	3.0	1.9	1.8	1.8
115- 125	10					33.5	31.0	22.3	17.6	14.4	11.7	9.1	6.6	5.1	3.0	1.8	1.8	1.8
125- 150	25					25.7	23.9	19.1	15.9	12.9	10.8	8.6	6.4	4.9	2.9	1.8	1.7	1.6
150- 175	25					19.3	17.7	15.2	13.2	11.2	9.6	7.6	5.8	4.5	2.7	1.8	1.5	1.5
175- 200	25					15.1	13.6	12.6	11.4	9.9	8.5	7.1	5.4	4.2	2.5	1.8	1.5	1.5
200- 225	25					12.1	11.1	10.4	9.5	8.3	7.2	6.1	4.8	4.0	2.4	1.5	1.4	1.4

Table A5.4 (continuation)
 Equivalent dose rate in the ID access scenario for T= 2 y, t= 30 d – TRT C, Lar EC, and VA removed

R/Z, cm	dR\dz	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0
0- 5	5								49.7	20.0	13.4	9.6	6.5	4.4	2.6	1.8	1.7	1.6
5- 10	5					77.5	67.1	58.6	37.6	19.8	13.4	9.6	6.4	4.4	2.6	1.8	1.7	1.6
10- 20	10					65.5	55.7	39.9	29.0	19.3	13.3	9.6	6.4	4.4	2.6	1.8	1.7	1.6
20- 30	10					50.4	45.2	33.6	25.2	18.4	13.2	9.4	6.4	4.6	2.6	1.8	1.7	1.6
30- 45	15					49.3	46.1	30.7	23.0	17.4	13.1	9.1	6.4	4.6	2.5	1.8	1.7	1.5
45- 60	15					49.1	47.0	28.2	21.2	16.4	12.5	8.8	6.3	4.6	2.6	1.8	1.6	1.5
60- 75	15					37.2	36.2	24.9	19.4	15.3	12.0	8.7	5.9	4.5	2.6	1.7	1.5	1.5
75- 95	20					30.0	29.1	21.9	17.6	14.3	11.3	8.3	5.8	4.5	2.5	1.7	1.5	1.4
95- 115	20					29.4	27.1	20.1	16.0	12.8	10.7	7.8	5.5	4.1	2.3	1.7	1.3	1.3
115- 125	10					28.0	25.9	18.6	14.8	12.1	9.6	7.4	5.4	4.0	2.3	1.7	1.3	1.3
125- 150	25					21.4	19.7	15.8	13.3	10.7	8.7	6.9	5.2	3.9	2.4	1.7	1.3	1.3
150- 175	25					15.9	14.7	12.5	11.0	9.4	7.7	6.3	4.9	3.8	2.4	1.5	1.2	1.2
175- 200	25					12.4	11.3	10.3	9.4	8.1	7.1	5.8	4.4	3.5	2.2	1.3	1.2	1.2
200- 225	25					10.2	9.3	8.2	7.8	7.1	6.0	5.0	4.0	3.2	2.1	1.2	1.1	1.1

Table A5.4 (continuation)
 Equivalent dose rate in the ID access scenario for T= 2 y, t= 100 d– TRT C, Lar EC, and VA removed

R/Z, cm	dR/dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0
0- 5	5								39.6	13.7	9.1	6.5	4.2	3.0	1.7	1.0	0.9	0.9
5- 10	5					50.7	45.7	45.1	28.5	13.6	9.0	6.5	4.2	3.0	1.7	1.0	0.9	0.9
10- 20	10					44.7	37.8	28.5	20.8	13.2	9.1	6.5	4.2	3.1	1.7	1.0	0.9	0.9
20- 30	10					34.5	30.4	23.1	17.6	12.6	9.0	6.3	4.2	3.1	1.7	1.0	0.9	0.9
30- 45	15					33.2	31.2	20.8	15.7	11.7	8.8	6.3	4.1	3.1	1.7	1.0	0.9	0.9
45- 60	15					32.5	31.4	19.1	14.4	10.8	8.3	6.2	4.0	3.0	1.6	0.9	0.9	0.9
60- 75	15					24.9	24.3	16.8	13.1	10.3	8.1	5.9	4.0	3.1	1.6	0.9	0.9	0.9
75- 95	20					20.5	19.6	14.9	12.1	9.4	7.7	5.7	3.9	3.0	1.6	0.9	0.9	0.9
95- 115	20					19.6	18.0	13.7	10.9	8.7	6.9	5.3	3.8	2.9	1.5	0.9	0.9	0.9
115- 125	10					18.5	17.1	12.2	9.9	8.1	6.4	5.1	3.6	2.7	1.5	0.9	0.9	0.9
125- 150	25					14.4	13.1	10.8	8.8	7.2	6.1	4.7	3.4	2.6	1.5	0.9	0.9	0.9
150- 175	25					10.8	10.2	8.5	7.3	6.2	5.2	4.4	3.2	2.4	1.4	0.9	0.9	0.9
175- 200	25					8.2	7.6	7.0	6.3	5.5	4.8	4.1	3.0	2.3	1.2	0.9	0.8	0.8
200- 225	25					6.9	6.4	5.8	5.3	4.9	4.1	3.4	2.7	2.1	1.2	0.9	0.7	0.7

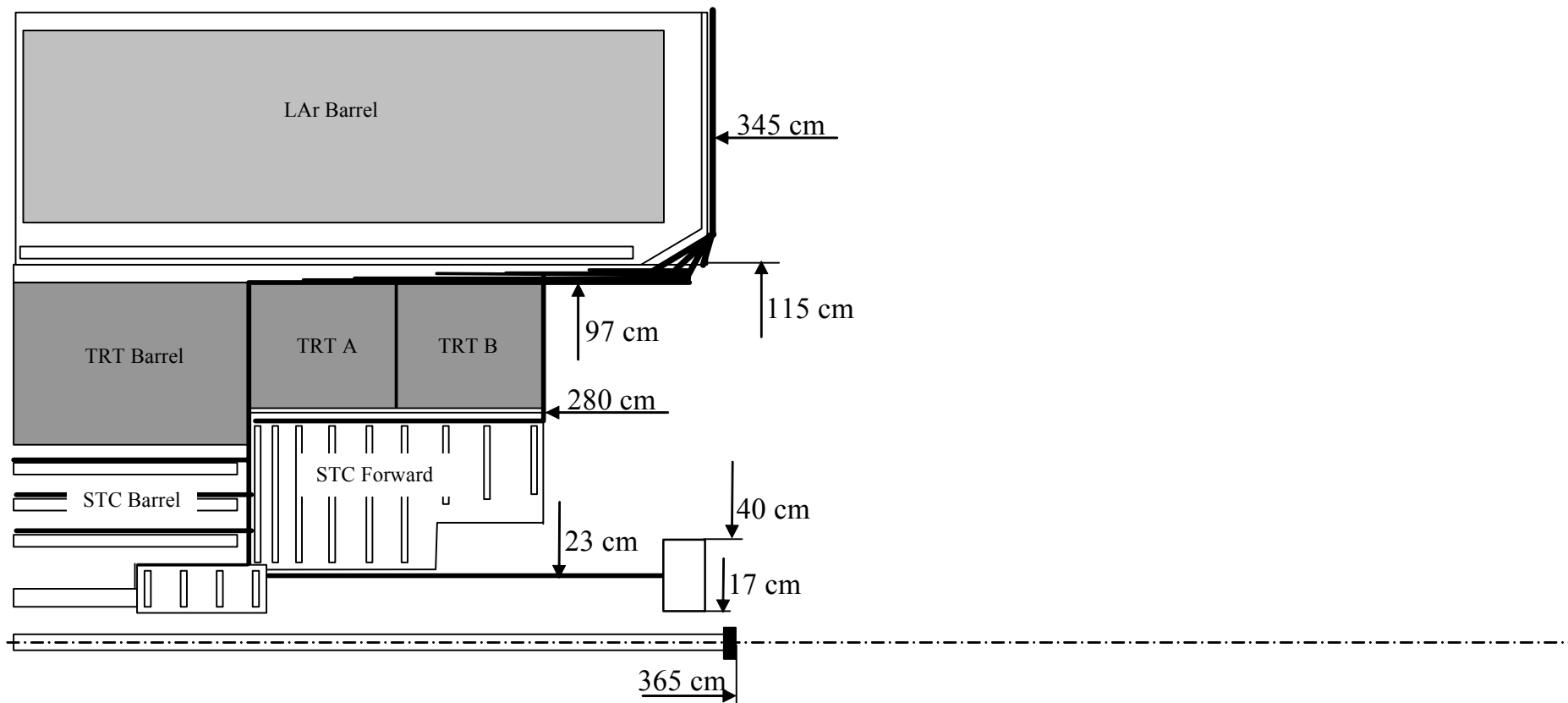


Fig. A5.5 Detector opening layout to calculations of access dose rate – TRT C, LAr EC, VA, and Pixel Type 2 services removed.

Table A5.5

Equivalent dose rate in the ID access scenario for T= 2 y, t= 1d – TRT C, LAr EC, VA, and Pixel Type 2 services removed

R/Z, cm	dR\dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0
0- 5	5								179.1	78.6	54.7	41.7	28.6	19.8	11.8	7.1	6.5	6.4
5- 10	5					259.3	228.4	205.7	137.9	77.9	54.8	41.6	28.5	19.8	11.8	7.1	6.5	6.4
10- 20	10					225.9	194.3	143.3	108.8	76.1	54.5	41.4	28.3	20.0	11.7	7.1	6.5	6.4
20- 30	10	165.1	166.2	213.0		177.1	159.4	120.7	95.7	73.2	54.5	40.5	28.0	20.1	11.7	7.1	6.5	6.4
30- 45	15	159.9	159.0	187.7		142.9	131.5	105.6	87.2	69.8	54.4	39.4	27.8	20.5	11.5	7.0	6.4	6.4
45- 60	15	167.0	158.5	149.1	137.2	116.1	110.1	95.2	80.8	66.4	53.3	38.2	27.6	20.4	11.4	7.0	6.4	6.4
60- 75	15	176.2	160.5	136.6	117.1	104.9	100.9	89.4	76.0	63.3	51.0	37.3	26.9	19.9	11.4	6.7	6.4	6.4
75- 95	20	169.7	157.8	134.7	113.7	101.7	98.0	85.4	72.4	59.7	48.0	36.3	25.6	19.5	11.1	6.7	6.4	6.1
95- 115	20					123.8	111.7	85.3	68.5	55.3	44.9	34.1	24.4	18.6	11.1	6.6	6.1	6.0
115- 125	10					124.6	113.1	81.3	64.3	52.0	41.8	32.5	23.7	18.2	10.9	6.6	6.0	6.0
125- 150	25					91.1	83.5	68.3	57.2	47.0	38.6	30.6	22.5	17.4	10.5	6.6	6.0	5.8
150- 175	25					65.4	60.6	52.5	46.1	39.6	33.4	27.1	20.7	16.4	9.8	6.3	5.8	5.8
175- 200	25					47.9	45.2	41.0	37.2	33.2	29.1	24.2	19.2	15.1	9.0	6.0	5.5	5.5
200- 225	25					36.7	34.5	32.2	30.4	27.1	24.1	20.9	16.8	14.0	8.5	5.8	5.3	5.3

Table A5.5 (continuation)
 Equivalent dose rate in the ID access scenario for T= 2 y, t= 5 d – TRT C, LAr EC, VA, and Pixel Type 2 services removed

R/Z, cm	dR\dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0
0- 5	5					98.4	100.1	142.0	59.3	25.7	16.8	13.2	8.9	5.9	3.8	2.1	2.1	2.1
5- 10	5					111.7	92.7	71.1	45.6	25.2	16.9	13.2	8.9	5.9	3.9	2.1	2.1	2.1
10- 20	10					90.1	75.5	49.4	35.7	24.3	16.9	13.2	8.9	6.1	3.9	2.1	2.1	2.1
20- 30	10	52.7	53.9	77.9		65.2	57.3	40.5	31.2	23.3	17.0	12.8	8.9	6.3	3.9	2.1	2.1	2.1
30- 45	15	49.1	49.6	63.1		48.6	44.0	34.5	28.0	21.8	17.1	12.3	8.9	6.6	3.8	2.1	2.1	2.1
45- 60	15	50.0	47.7	46.0	43.9	37.0	35.0	30.1	25.3	20.6	16.6	11.9	8.8	6.6	3.8	2.1	2.1	2.1
60- 75	15	51.3	46.5	40.0	35.7	32.4	31.3	27.6	23.4	19.6	15.8	11.7	8.5	6.5	3.7	2.1	2.1	2.1
75- 95	20	47.2	44.0	38.2	33.5	31.0	29.6	26.1	22.2	18.4	15.2	11.7	8.1	6.5	3.6	2.1	2.1	2.1
95- 115	20					36.5	33.2	25.8	20.7	17.2	14.4	10.9	7.8	6.3	3.5	2.1	2.1	2.1
115- 125	10					36.8	33.6	24.7	19.8	16.4	13.6	10.6	7.6	6.1	3.5	2.1	2.1	2.0
125- 150	25					28.7	26.2	21.9	18.2	15.1	12.5	10.2	7.4	5.7	3.4	2.1	1.9	1.9
150- 175	25					22.7	20.6	18.1	15.6	13.3	11.1	9.1	7.0	5.4	3.2	2.1	1.9	1.8
175- 200	25					17.8	16.3	15.1	13.5	11.8	10.3	8.5	6.5	5.0	3.0	2.0	1.7	1.7
200- 225	25					14.6	13.2	12.3	11.4	9.9	8.6	7.2	5.9	4.7	2.8	1.9	1.6	1.6

Table A5.5 (continuation)

Equivalent dose rate in the ID access scenario for T= 2 y, t= 15 d – TRT C, LAr EC, VA, and Pixel Type 2 services removed

R/Z, cm	dR\dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0
0- 5	5					78.0	81.6	123.6	50.0	19.8	13.1	10.1	6.8	4.5	2.8	1.7	1.5	1.5
5- 10	5					86.4	73.0	59.0	37.5	19.6	13.2	10.1	6.8	4.5	2.8	1.7	1.5	1.5
10- 20	10					70.7	59.3	39.5	28.5	18.9	13.1	10.1	6.8	4.7	2.8	1.7	1.5	1.5
20- 30	10	40.9	41.6	60.3		51.1	45.0	31.9	24.2	18.0	13.1	9.9	6.8	4.8	2.7	1.7	1.5	1.5
30- 45	15	38.4	38.4	48.9		38.0	34.6	26.8	21.3	16.8	13.0	9.6	6.8	4.9	2.7	1.6	1.5	1.5
45- 60	15	39.0	37.3	35.6	34.2	28.8	27.3	23.4	19.1	15.9	12.8	9.1	6.7	5.0	2.8	1.6	1.5	1.5
60- 75	15	39.6	36.0	31.1	27.6	24.9	23.8	21.1	17.9	15.1	12.1	9.0	6.5	5.0	2.8	1.6	1.5	1.5
75- 95	20	36.4	34.2	29.4	25.8	23.6	22.8	19.8	17.0	14.1	11.6	8.8	6.1	4.9	2.8	1.6	1.5	1.5
95- 115	20					27.9	25.3	19.7	16.1	13.1	11.0	8.3	6.0	4.8	2.6	1.6	1.5	1.5
115- 125	10					28.1	25.6	18.9	15.0	12.4	10.2	8.0	5.9	4.6	2.6	1.5	1.5	1.5
125- 150	25					21.7	20.0	16.5	13.8	11.3	9.5	7.7	5.7	4.5	2.6	1.5	1.4	1.3
150- 175	25					16.7	15.2	13.4	11.6	9.9	8.5	6.8	5.3	4.1	2.4	1.5	1.2	1.2
175- 200	25					13.3	12.0	11.3	10.2	8.9	7.7	6.4	4.9	3.8	2.2	1.5	1.2	1.2
200- 225	25					11.0	10.0	9.5	8.6	7.5	6.5	5.5	4.4	3.6	2.1	1.2	1.1	1.1

Table A5.5 (continuation)

Equivalent dose rate in the ID access scenario for T= 2 y, t= 30 d – TRT C, LAr EC, VA, and Pixel Type 2 services removed

R/Z, cm	dR\dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0
0- 5	5					65.8	70.6	115.6	45.2	16.7	11.2	8.3	5.7	3.9	2.2	1.5	1.4	1.3
5- 10	5					71.6	61.2	53.1	33.1	16.5	11.2	8.3	5.6	3.9	2.2	1.5	1.4	1.3
10- 20	10					59.3	49.5	34.2	24.4	16.0	11.1	8.3	5.6	3.9	2.2	1.5	1.4	1.3
20- 30	10	34.1	35.0	49.7		42.8	37.6	27.1	20.4	15.1	11.0	8.1	5.6	4.1	2.2	1.5	1.4	1.3
30- 45	15	31.9	32.0	40.5		31.7	28.8	22.6	18.0	14.1	11.0	7.8	5.6	4.1	2.2	1.5	1.4	1.2
45- 60	15	32.5	30.9	29.8	28.9	24.3	22.9	19.3	16.2	13.2	10.5	7.6	5.6	4.1	2.3	1.5	1.3	1.2
60- 75	15	32.8	29.7	25.9	23.0	20.6	20.0	17.5	14.8	12.4	10.1	7.5	5.2	4.1	2.3	1.4	1.2	1.2
75- 95	20	30.0	28.3	25.0	21.5	19.5	18.8	16.4	14.0	11.8	9.6	7.2	5.1	4.1	2.2	1.4	1.2	1.1
95- 115	20					23.0	20.8	16.3	13.2	10.7	9.2	6.8	4.8	3.7	2.0	1.4	1.0	1.0
115- 125	10					23.3	21.2	15.6	12.5	10.3	8.3	6.4	4.8	3.6	2.0	1.4	1.0	1.0
125- 150	25					17.9	16.2	13.5	11.4	9.3	7.6	6.1	4.6	3.5	2.1	1.4	1.0	1.0
150- 175	25					13.6	12.4	10.9	9.7	8.3	6.8	5.6	4.4	3.4	2.1	1.2	1.0	1.0
175- 200	25					10.9	9.8	9.2	8.4	7.2	6.4	5.2	4.0	3.2	1.9	1.0	1.0	1.0
200- 225	25					9.2	8.3	7.4	7.0	6.4	5.4	4.5	3.6	2.9	1.8	1.0	0.9	0.9

Table A5.5 (continuation)

Equivalent dose rate in the ID access scenario for T= 2 y, t= 100 d– TRT C, LAr EC, VA, and Pixel Type 2 services removed

R/Z, cm	dR\dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0
0- 5	5					44.9	51.5	98.7	36.6	11.5	7.6	5.6	3.7	2.7	1.4	0.8	0.7	0.7
5- 10	5					46.8	41.8	41.5	25.5	11.3	7.5	5.6	3.7	2.7	1.4	0.8	0.7	0.7
10- 20	10					40.6	33.7	24.7	17.7	10.9	7.6	5.6	3.7	2.8	1.4	0.8	0.7	0.7
20- 30	10	23.3	23.8	31.1		29.5	25.5	18.8	14.4	10.3	7.5	5.4	3.7	2.8	1.4	0.8	0.7	0.7
30- 45	15	21.3	21.4	25.5		21.6	19.8	15.5	12.3	9.5	7.3	5.4	3.6	2.8	1.4	0.8	0.7	0.7
45- 60	15	21.3	20.3	19.6	19.2	16.1	15.4	13.2	11.0	8.6	7.0	5.3	3.5	2.7	1.4	0.7	0.7	0.7
60- 75	15	21.5	19.7	17.2	15.6	13.8	13.4	11.8	10.1	8.4	6.8	5.1	3.5	2.8	1.4	0.7	0.7	0.7
75- 95	20	20.0	18.7	16.6	14.4	13.3	12.6	11.2	9.6	7.7	6.5	4.9	3.4	2.7	1.4	0.7	0.7	0.7
95- 115	20					15.2	13.7	11.1	9.0	7.3	5.9	4.7	3.3	2.6	1.3	0.7	0.7	0.7
115- 125	10					15.2	13.9	10.2	8.3	6.9	5.5	4.5	3.2	2.4	1.3	0.7	0.7	0.7
125- 150	25					12.0	10.7	9.2	7.5	6.2	5.3	4.1	3.1	2.3	1.3	0.7	0.7	0.7
150- 175	25					9.2	8.6	7.4	6.4	5.4	4.6	3.9	2.9	2.1	1.2	0.7	0.7	0.7
175- 200	25					7.2	6.6	6.2	5.6	4.9	4.3	3.6	2.7	2.1	1.0	0.7	0.7	0.7
200- 225	25					6.1	5.6	5.2	4.8	4.4	3.6	3.1	2.4	1.9	1.0	0.7	0.6	0.6

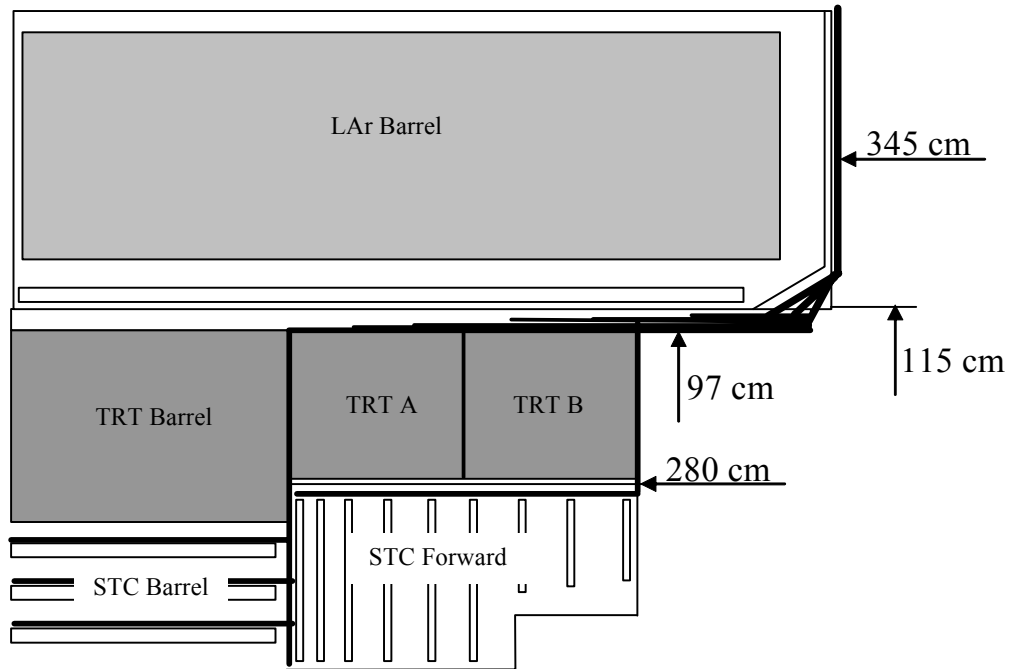


Fig. A5.6. Detector opening layout to calculations of access dose rate – TRT C, LAr EC, VA, Pixel Type 2 services, Pixel Detector, and VI removed.

Table A5.6

Equivalent dose rate in the ID access scenario for T= 2 y, t= 1d – TRT C, LAr EC, VA, Pixel Type 2 services, Pixel Det, and VI removed

R/Z, cm	dR\dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0
0- 5	5	114.6	111.4	98.9	86.4	78.1	74.3	68.5	63.0	54.2	42.9	35.4	25.0	17.4	10.2	5.7	5.3	5.2
5- 10	5	114.8	111.6	99.1	86.5	78.1	74.5	68.6	62.8	54.2	43.0	35.4	24.9	17.4	10.2	5.7	5.3	5.2
10- 20	10	115.9	112.7	99.6	86.8	78.6	75.1	68.7	62.6	54.2	43.1	35.2	24.7	17.7	10.1	5.7	5.3	5.2
20- 30	10	119.8	115.4	101.0	87.2	78.9	76.0	69.3	62.4	54.0	43.7	34.4	24.5	17.9	10.1	5.7	5.3	5.2
30- 45	15	126.3	121.0	103.6	88.3	80.4	76.8	69.1	61.9	53.6	44.4	33.5	24.4	18.3	9.9	5.7	5.2	5.2
45- 60	15	142.0	131.0	107.9	89.9	80.9	77.5	69.9	61.7	53.0	44.3	32.7	24.3	18.2	9.8	5.7	5.2	5.2
60- 75	15	157.6	140.8	112.7	91.9	82.5	79.6	71.3	61.4	52.2	43.1	32.3	23.8	17.7	9.8	5.5	5.2	5.2
75- 95	20	156.3	143.8	119.3	98.1	87.0	83.8	72.7	61.4	50.9	41.3	31.7	22.6	17.4	9.6	5.5	5.2	5.0
95- 115	20					113.8	101.8	76.1	60.2	48.3	39.3	30.0	21.7	16.6	9.6	5.4	5.0	4.9
115- 125	10					116.7	105.3	73.9	57.6	46.1	36.9	28.7	21.1	16.2	9.4	5.4	4.9	4.9
125- 150	25					84.8	77.3	62.3	51.6	42.0	34.3	27.2	20.0	15.6	9.1	5.4	4.9	4.7
150- 175	25					60.6	55.8	48.0	41.7	35.6	29.8	24.2	18.5	14.8	8.4	5.2	4.7	4.7
175- 200	25					44.1	41.4	37.4	33.7	29.9	26.1	21.7	17.2	13.5	7.8	4.9	4.5	4.5
200- 225	25					33.5	31.4	29.1	27.4	24.4	21.5	18.7	15.1	12.5	7.3	4.7	4.3	4.3

Table A5.6 (continuation)

Equivalent dose rate in the ID access scenario for T= 2 y, t= 5 d – TRT C, LAr EC, VA, Pixel Type 2 services, Pixel Det, and VI removed

R/Z, cm	dR\dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0
0- 5	5	31.5	30.8	26.1	23.4	21.9	20.5	18.2	17.1	15.7	11.9	10.5	7.4	4.9	3.0	1.6	1.6	1.6
5- 10	5	31.5	30.9	26.1	23.5	21.9	20.6	18.2	17.1	15.5	12.0	10.5	7.4	4.9	3.1	1.6	1.6	1.6
10- 20	10	32.0	31.2	26.3	23.5	22.0	20.6	18.5	17.2	15.3	12.1	10.5	7.4	5.1	3.1	1.6	1.6	1.6
20- 30	10	33.5	32.1	26.7	23.7	22.2	20.7	18.6	17.3	15.3	12.4	10.2	7.4	5.3	3.1	1.6	1.6	1.6
30- 45	15	34.7	33.3	27.6	23.9	22.2	20.8	19.0	17.3	14.9	12.8	9.8	7.5	5.6	3.0	1.6	1.6	1.6
45- 60	15	39.2	35.9	28.8	24.6	22.2	21.4	19.4	17.2	14.8	12.9	9.6	7.4	5.6	3.0	1.6	1.6	1.6
60- 75	15	43.3	38.0	29.9	25.1	22.9	22.3	19.9	17.1	14.9	12.5	9.5	7.2	5.5	3.0	1.6	1.6	1.6
75- 95	20	41.3	38.0	31.6	26.8	24.7	23.5	20.6	17.4	14.7	12.3	9.7	6.8	5.6	3.0	1.6	1.6	1.6
95- 115	20					32.1	29.0	21.9	17.2	14.3	12.0	9.2	6.6	5.4	2.9	1.6	1.6	1.6
115- 125	10					33.4	30.3	21.6	16.9	13.9	11.4	9.0	6.5	5.2	2.9	1.6	1.6	1.6
125- 150	25					26.0	23.5	19.3	15.8	12.9	10.7	8.8	6.3	4.9	2.8	1.6	1.5	1.5
150- 175	25					20.6	18.6	16.1	13.7	11.6	9.6	7.8	6.0	4.6	2.7	1.6	1.5	1.4
175- 200	25					16.1	14.6	13.5	12.0	10.4	9.0	7.4	5.6	4.4	2.5	1.6	1.3	1.3
200- 225	25					13.2	11.8	10.9	10.1	8.7	7.5	6.2	5.1	4.1	2.3	1.5	1.2	1.2

Table A5.6 (continuation)

Equivalent dose rate in the ID access scenario for T= 2 y, t= 15 d – TRT C, LAr EC, VA, Pixel Type 2 services, Pixel Det, and VI removed

R/Z, cm	dR\dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0
0- 5	5	23.5	23.2	19.9	17.7	16.3	15.5	13.8	13.0	11.7	9.1	7.9	5.6	3.7	2.3	1.3	1.1	1.1
5- 10	5	23.6	23.2	19.9	17.7	16.3	15.5	13.8	13.0	11.6	9.2	7.9	5.6	3.7	2.3	1.3	1.1	1.1
10- 20	10	23.9	23.7	20.1	17.9	16.4	15.6	13.9	13.0	11.6	9.2	7.9	5.6	3.9	2.3	1.3	1.1	1.1
20- 30	10	25.2	24.0	20.4	18.2	16.5	15.7	14.1	12.8	11.5	9.4	7.8	5.6	4.0	2.2	1.3	1.1	1.1
30- 45	15	26.7	25.3	21.0	18.2	16.7	15.9	14.2	12.7	11.3	9.6	7.6	5.6	4.1	2.2	1.2	1.1	1.1
45- 60	15	30.4	27.9	21.8	18.5	16.8	16.2	14.7	12.6	11.3	9.7	7.2	5.6	4.2	2.3	1.2	1.1	1.1
60- 75	15	33.2	29.2	23.0	19.1	17.3	16.6	15.0	12.9	11.4	9.4	7.2	5.4	4.2	2.3	1.2	1.1	1.1
75- 95	20	31.7	29.4	24.2	20.5	18.6	17.9	15.4	13.3	11.1	9.3	7.2	5.1	4.1	2.3	1.2	1.1	1.1
95- 115	20					24.5	22.0	16.6	13.3	10.7	9.0	6.9	5.0	4.1	2.1	1.2	1.1	1.1
115- 125	10					25.4	22.9	16.4	12.7	10.3	8.4	6.7	5.0	3.9	2.1	1.1	1.1	1.1
125- 150	25					19.5	17.8	14.4	11.9	9.6	8.0	6.5	4.8	3.8	2.1	1.1	1.0	1.0
150- 175	25					15.0	13.6	11.8	10.1	8.5	7.3	5.8	4.5	3.6	2.0	1.1	0.9	0.9
175- 200	25					11.9	10.7	10.0	9.0	7.7	6.6	5.5	4.2	3.3	1.8	1.1	0.9	0.9
200- 225	25					9.9	8.9	8.4	7.5	6.5	5.6	4.7	3.8	3.1	1.7	0.9	0.8	0.8

Table A5.6 (continuation)
 Equivalent dose rate in the ID access scenario for T= 2 y, t= 30 d – TRT C, LAr EC, VA, Pixel Type 2 services, Pixel Det, and VI removed

R/Z, cm	dR\dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0
0- 5	5	19.4	19.0	16.6	14.8	13.4	12.6	11.7	10.7	9.5	7.7	6.4	4.7	3.2	1.8	1.1	1.1	1.0
5- 10	5	19.5	19.1	16.6	14.8	13.5	12.6	11.8	10.6	9.5	7.7	6.4	4.6	3.2	1.8	1.1	1.1	1.0
10- 20	10	19.8	19.2	16.8	14.7	13.4	12.6	11.8	10.6	9.5	7.7	6.4	4.6	3.2	1.8	1.1	1.1	1.0
20- 30	10	20.7	20.0	17.1	14.8	13.4	12.8	11.8	10.5	9.4	7.8	6.3	4.6	3.4	1.8	1.1	1.1	1.0
30- 45	15	22.1	21.0	17.6	15.2	13.6	12.9	11.8	10.6	9.3	8.0	6.1	4.6	3.4	1.8	1.1	1.1	0.9
45- 60	15	25.2	22.9	18.2	15.4	14.0	13.4	12.0	10.6	9.3	7.9	6.0	4.6	3.4	1.9	1.1	1.0	0.9
60- 75	15	27.4	24.1	19.1	15.8	14.2	13.9	12.3	10.5	9.2	7.8	6.0	4.3	3.4	1.9	1.1	0.9	0.9
75- 95	20	26.1	24.3	20.5	17.0	15.3	14.7	12.7	10.8	9.2	7.7	5.8	4.2	3.4	1.8	1.1	0.9	0.8
95- 115	20					20.1	18.0	13.7	10.8	8.7	7.5	5.6	4.0	3.1	1.6	1.1	0.7	0.7
115- 125	10					21.0	18.9	13.4	10.5	8.5	6.9	5.3	4.0	3.0	1.6	1.1	0.7	0.7
125- 150	25					16.1	14.4	11.8	9.8	7.9	6.4	5.1	3.8	3.0	1.7	1.1	0.7	0.7
150- 175	25					12.2	11.0	9.6	8.4	7.1	5.7	4.7	3.7	2.9	1.7	0.9	0.7	0.7
175- 200	25					9.7	8.7	8.1	7.3	6.2	5.5	4.4	3.4	2.8	1.6	0.7	0.7	0.7
200- 225	25					8.2	7.3	6.5	6.1	5.5	4.6	3.8	3.1	2.5	1.5	0.7	0.6	0.6

Table A5.6 (continuation)
 Equivalent dose rate in the ID access scenario for T= 2 y, t= 100 d– TRT C, LAr EC, VA, Pixel Type 2 services, Pixel Det, and VI removed

R/Z, cm	dR\dZ	280	280- 290	290- 315	315- 340	340	340- 350	350- 365	365- 380	380- 405	405- 430	430- 480	480- 530	530- 580	580- 630	630- 660	660- 670	670
		0	10	25	25	0	10	15	15	25	25	50	50	50	50	30	10	0
0- 5	5	13.1	12.6	11.0	9.8	8.9	8.3	7.8	7.2	6.1	5.1	4.3	3.0	2.2	1.1	0.6	0.5	0.5
5- 10	5	13.1	12.6	11.0	9.8	8.9	8.3	7.8	7.2	6.1	5.1	4.3	3.0	2.2	1.1	0.6	0.5	0.5
10- 20	10	13.3	12.9	11.3	9.7	9.1	8.4	7.8	7.1	6.1	5.2	4.3	3.0	2.3	1.1	0.6	0.5	0.5
20- 30	10	14.1	13.6	11.4	9.9	9.2	8.4	7.8	7.2	6.2	5.2	4.2	3.0	2.3	1.1	0.6	0.5	0.5
30- 45	15	14.9	14.2	11.6	9.9	9.1	8.8	7.9	7.1	6.1	5.2	4.2	2.9	2.3	1.1	0.6	0.5	0.5
45- 60	15	16.5	15.1	12.1	10.1	9.1	8.9	8.1	7.1	5.9	5.2	4.2	2.8	2.2	1.1	0.5	0.5	0.5
60- 75	15	17.9	16.0	12.7	10.7	9.4	9.2	8.2	7.2	6.1	5.2	4.0	2.8	2.3	1.1	0.5	0.5	0.5
75- 95	20	17.3	16.0	13.6	11.3	10.4	9.8	8.6	7.4	6.0	5.1	4.0	2.8	2.3	1.1	0.5	0.5	0.5
95- 115	20					13.2	11.7	9.3	7.3	5.9	4.8	3.9	2.7	2.2	1.0	0.5	0.5	0.5
115- 125	10					13.7	12.4	8.8	7.0	5.7	4.5	3.7	2.6	2.1	1.0	0.5	0.5	0.5
125- 150	25					10.8	9.5	8.0	6.4	5.2	4.4	3.4	2.6	2.0	1.0	0.5	0.5	0.5
150- 175	25					8.2	7.6	6.5	5.5	4.6	3.9	3.3	2.5	1.8	1.0	0.5	0.5	0.5
175- 200	25					6.4	5.8	5.4	4.9	4.2	3.7	3.0	2.3	1.8	0.8	0.5	0.5	0.5
200- 225	25					5.4	4.9	4.5	4.2	3.8	3.1	2.7	2.1	1.6	0.8	0.5	0.4	0.4