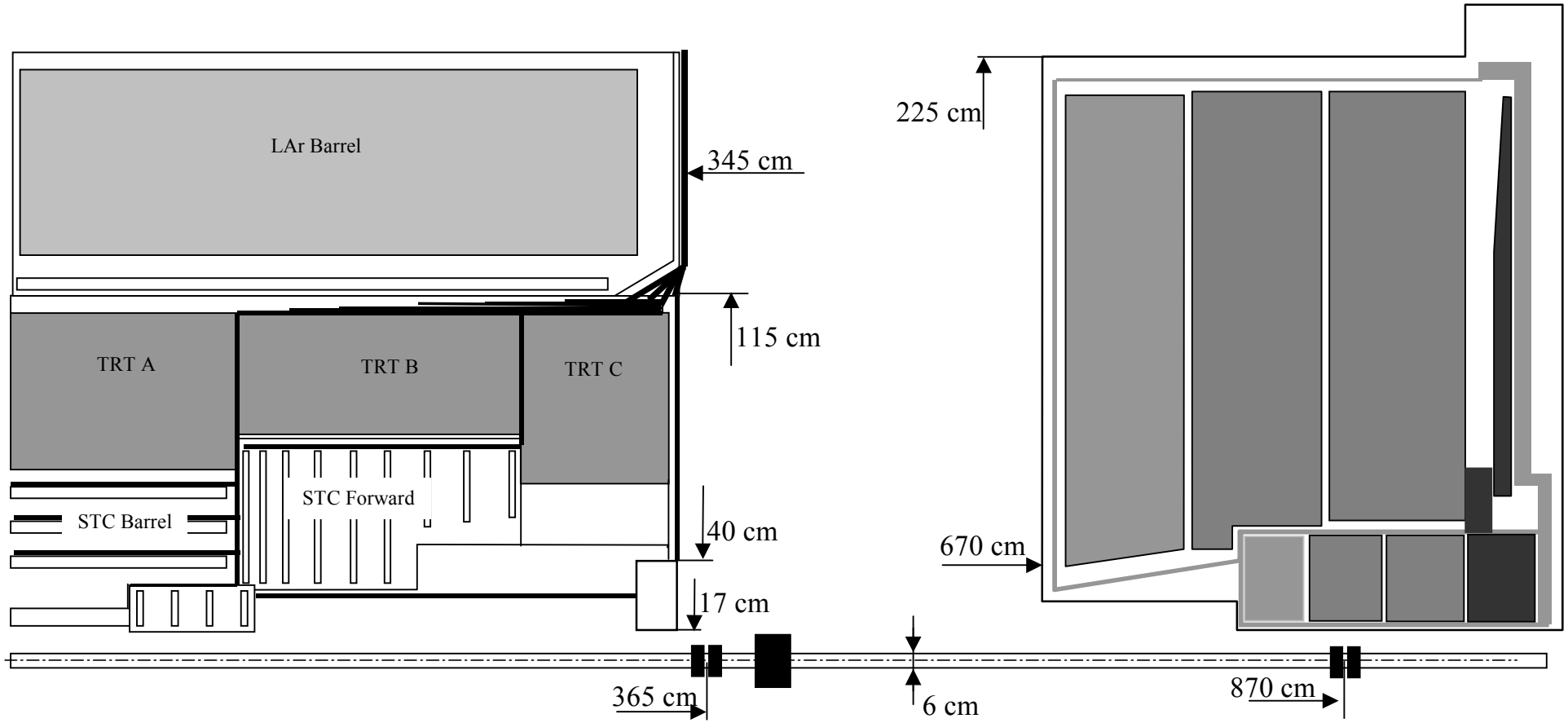


Fig. 1. Sketch of detector opening layout to calculations of access dose rate.

Table 1

Equivalent dose rate in the ID access scenario for T= 30d, t=1d

| 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 | 894 | 999.5 | 2112.7 | 7031.4 | 4206.5 | 2843.7 | 3701.5 | 5705.3 | 5187.5 | 4618 | 4373.5 | 4285.7 | 4309 | 4297.3 | 2452.9 |
| 10- 20 | 10 | 791.8 | 849.7 | 1264.2 | 2071.8 | 1890.6 | 1518.9 | 1829.3 | 2548.4 | 2433.4 | 2229.7 | 2152.2 | 2147 | 2181.9 | 2233.2 | 1390.6 |
| 20- 30 | 10 | 635.6 | 668.1 | 812.9 | 999.1 | 1039 | 977.3 | 1118.9 | 1423.6 | 1419.6 | 1343.8 | 1323.4 | 1337.8 | 1373.1 | 1432.4 | 963.4 |
| 30- 45 | 15 | 530.6 | 544.3 | 570.1 | 623.9 | 662.8 | 677.4 | 753.8 | 896.1 | 919 | 896.6 | 897.2 | 917 | 952.1 | 1000.1 | 696.6 |
| 45- 60 | 15 | 458.3 | 462.5 | 435.8 | 448.5 | 469.4 | 492.7 | 537.9 | 609.2 | 635.3 | 638.6 | 644.3 | 660.5 | 682.8 | 712.6 | 498.8 |
| 60- 75 | 15 | 378.9 | 380.1 | 358.8 | 359.7 | 370 | 386 | 415.5 | 457.2 | 480.5 | 488.2 | 493.3 | 502.7 | 511.8 | 522.6 | 355.3 |
| 75- 95 | 20 | 324.2 | 322.3 | 303.4 | 298.1 | 299.6 | 308.3 | 326.5 | 350.2 | 367 | 375.9 | 375.5 | 377.5 | 378.2 | 375 | 244.2 |
| 95- 115 | 20 | 317.9 | 307.3 | 269.7 | 253.4 | 247.8 | 250.5 | 259.6 | 272.5 | 285.2 | 287.8 | 284.7 | 280.5 | 278 | 270.6 | 168 |
| 115- 125 | 10 | 301.7 | 291.7 | 245.8 | 226.6 | 218.7 | 218.5 | 223.7 | 232.2 | 240.9 | 240.4 | 235.5 | 228.4 | 226.2 | 218.1 | 131.2 |
| 125- 150 | 25 | 227.8 | 221.9 | 204.1 | 195.6 | 190.1 | 188.5 | 190.5 | 196.4 | 199.6 | 199.4 | 190.4 | 184.5 | 182.3 | 174.3 | 102.3 |
| 150- 175 | 25 | 173.7 | 170.6 | 161.8 | 158.1 | 155.3 | 154.3 | 154.8 | 157.9 | 158 | 154.7 | 144.5 | 140.6 | 138.4 | 131.6 | 74.6 |
| 175- 200 | 25 | 136.6 | 135 | 131 | 129 | 128.2 | 127.2 | 127.9 | 129.4 | 127.4 | 123 | 112.9 | 111.2 | 108 | 102 | 55.5 |
| 200- 225 | 25 | 109.9 | 108.8 | 106.6 | 106 | 105.2 | 105.5 | 107.9 | 107.3 | 104.4 | 99.1 | 90.6 | 90.2 | 86.2 | 81.3 | 42.5 |

Table 1 (continuation)

Equivalent dose rate in the ID access scenario for T= 30d, t=5d

| R/Z, | | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | dR\dZ | 0 | 10 | 15 | 15 | 25 | 25 | 50 | 50 | 50 | 25 | 25 | 15 | 15 | 10 | 0 |
| 0- 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 5- 10 | 5 | 459.8 | 530.9 | 1245.5 | 4505.1 | 2699.9 | 1814 | 2377.7 | 3696.1 | 3358.5 | 2970.3 | 2786.8 | 2696.5 | 2668.6 | 2607 | 1377.3 |
| 10- 20 | 10 | 397.1 | 447.6 | 735.9 | 1282 | 1182.1 | 946.5 | 1153.8 | 1627.9 | 1549.7 | 1401.2 | 1331.5 | 1300.3 | 1281.3 | 1267.3 | 698.8 |
| 20- 30 | 10 | 316.1 | 343.7 | 452.8 | 586.6 | 624.4 | 593.2 | 691.8 | 894.9 | 886.4 | 823.9 | 792.6 | 777.2 | 769.5 | 763.6 | 438.6 |
| 30- 45 | 15 | 248.4 | 261.1 | 298.2 | 344.9 | 379.7 | 397.8 | 455.1 | 551.3 | 561.1 | 535.8 | 522 | 515.9 | 516.3 | 518.9 | 310.8 |
| 45- 60 | 15 | 197.9 | 203.5 | 212.7 | 231.9 | 255.4 | 278.7 | 315.8 | 365.5 | 378.5 | 371.4 | 365.6 | 364.1 | 364.6 | 368.6 | 226.9 |
| 60- 75 | 15 | 157.1 | 160.6 | 165.4 | 176.5 | 192.6 | 211 | 237.1 | 267.7 | 279.5 | 277.8 | 275.8 | 274.4 | 273.8 | 273.6 | 165.9 |
| 75- 95 | 20 | 127.9 | 129.3 | 132.5 | 139.6 | 149.2 | 162.4 | 180.5 | 199.7 | 208.7 | 210.4 | 207.8 | 206 | 203.7 | 200.8 | 117.8 |
| 95- 115 | 20 | 111.2 | 110.7 | 109.8 | 112.8 | 118.7 | 127.1 | 138.7 | 150.8 | 158.8 | 158.8 | 156.9 | 153.8 | 151.2 | 147.6 | 83.9 |
| 115- 125 | 10 | 100.3 | 99.7 | 97 | 98.1 | 102.4 | 108.2 | 116.8 | 126.3 | 132.2 | 131.5 | 129.6 | 126.1 | 124.1 | 120.4 | 67.1 |
| 125- 150 | 25 | 83.6 | 83.4 | 83 | 84.3 | 87.4 | 91.7 | 98 | 105.1 | 108 | 108.6 | 105.2 | 102.3 | 100.4 | 97.6 | 53.3 |
| 150- 175 | 25 | 68.4 | 68.2 | 68.5 | 69.4 | 71.2 | 74.1 | 78.5 | 82.6 | 84 | 83.6 | 80.3 | 78.3 | 76.9 | 74.4 | 39.9 |
| 175- 200 | 25 | 56.8 | 56.6 | 57.2 | 58.4 | 59.5 | 61.5 | 64.1 | 66.8 | 67.3 | 66 | 63.2 | 61.9 | 60.5 | 58.6 | 30.7 |
| 200- 225 | 25 | 48.6 | 48.2 | 48.6 | 49.5 | 50 | 51.1 | 53.4 | 54.6 | 54.6 | 53.3 | 50.8 | 49.9 | 48.5 | 47.2 | 24.2 |

Table 1 (continuation)

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

| R/Z, | | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | dR\dZ | 0 | 10 | 15 | 15 | 25 | 25 | 50 | 50 | 50 | 25 | 25 | 15 | 15 | 10 | 0 |
| 0- 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 5- 10 | 5 | 1111.8 | 1244.9 | 2653.6 | 8957.3 | 5368.6 | 3623.8 | 4740.8 | 7383 | 6694.7 | 5919.7 | 5580.9 | 5434.5 | 5432.1 | 5381.4 | 2990.9 |
| 10- 20 | 10 | 978.7 | 1054.7 | 1585.2 | 2627.1 | 2399.2 | 1923.2 | 2331.9 | 3280.2 | 3120.8 | 2837.2 | 2715.2 | 2682.2 | 2701.6 | 2732.7 | 1639.5 |
| 20- 30 | 10 | 782 | 824.8 | 1012.1 | 1254.9 | 1308.4 | 1232.7 | 1419.3 | 1820.2 | 1806.3 | 1691.5 | 1650 | 1650.4 | 1674.4 | 1726.5 | 1111.3 |
| 30- 45 | 15 | 648.7 | 667.2 | 703.3 | 775.2 | 827.4 | 849.3 | 951.3 | 1137.5 | 1160.1 | 1119.8 | 1107.9 | 1118.6 | 1147.3 | 1190.5 | 793.2 |
| 45- 60 | 15 | 555.8 | 562.4 | 532.8 | 551.5 | 581.2 | 613.5 | 674.4 | 767.2 | 795.2 | 789.8 | 788.5 | 799.4 | 817.8 | 844.6 | 565.7 |
| 60- 75 | 15 | 454.9 | 457.4 | 434.1 | 438.8 | 454.4 | 477.4 | 517.5 | 571 | 596.5 | 599.6 | 600.7 | 606.8 | 612.9 | 621.4 | 405.8 |
| 75- 95 | 20 | 384.9 | 384 | 364.1 | 360.4 | 365.5 | 378.5 | 403.4 | 434.3 | 452.9 | 459.3 | 456.4 | 456.4 | 455.2 | 449.8 | 282.1 |
| 95- 115 | 20 | 372.7 | 361 | 320.3 | 304.2 | 300.2 | 305.4 | 318.4 | 335.7 | 349.5 | 350.7 | 346.6 | 340.5 | 336.2 | 327.5 | 196.8 |
| 115- 125 | 10 | 351.2 | 340.2 | 290.5 | 270.5 | 263.7 | 265.1 | 272.8 | 284.5 | 294 | 292.9 | 286.5 | 278.8 | 275.3 | 265.5 | 155.2 |
| 125- 150 | 25 | 266.4 | 260.1 | 241.7 | 232.9 | 228.1 | 227.9 | 232.1 | 239.6 | 243.2 | 242.5 | 232.8 | 226.1 | 223.1 | 214.4 | 122 |
| 150- 175 | 25 | 204.2 | 201.1 | 191.8 | 188.2 | 186.6 | 185.6 | 187.9 | 192 | 192.2 | 188.6 | 177.8 | 173.4 | 170.3 | 163.1 | 90.3 |
| 175- 200 | 25 | 161.7 | 159.7 | 155.6 | 154.1 | 153.6 | 153.3 | 155.1 | 157.1 | 155.1 | 150.5 | 139.9 | 137.4 | 133.9 | 127.5 | 68.2 |
| 200- 225 | 25 | 131.2 | 129.8 | 127.7 | 127.2 | 126.7 | 127.4 | 130.5 | 130.3 | 127.3 | 121.8 | 112.8 | 112 | 107.5 | 102.4 | 53 |

Table 1 (continuation)

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

| R/Z, | | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | dR\dZ | 0 | 10 | 15 | 15 | 25 | 25 | 50 | 50 | 50 | 25 | 25 | 15 | 15 | 10 | 0 |
| 0- 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 5- 10 | 5 | 672.2 | 769.4 | 1768.3 | 6365.6 | 3807.5 | 2561.5 | 3371.2 | 5297.7 | 4812.4 | 4239.4 | 3968.3 | 3834.3 | 3801 | 3725.1 | 1983.9 |
| 10- 20 | 10 | 580.2 | 648.2 | 1047.6 | 1812.2 | 1668.2 | 1339.9 | 1640.5 | 2334.8 | 2218.4 | 2001.7 | 1897 | 1847.8 | 1827.7 | 1814.5 | 1012.4 |
| 20- 30 | 10 | 460.5 | 498.4 | 648.7 | 834.7 | 886 | 842.1 | 985.4 | 1280.4 | 1268.5 | 1175.3 | 1129.5 | 1109.2 | 1097 | 1096.4 | 636.7 |
| 30- 45 | 15 | 366.3 | 383.8 | 430.3 | 493.8 | 541.9 | 567.2 | 649.3 | 788.8 | 801.9 | 763.7 | 742.6 | 733.6 | 733.2 | 737.9 | 443.3 |
| 45- 60 | 15 | 296.1 | 303.8 | 309.4 | 335.1 | 366.9 | 399 | 451.2 | 522.3 | 539.7 | 528.9 | 519 | 516.4 | 516.3 | 520.5 | 317.4 |
| 60- 75 | 15 | 234.3 | 239.3 | 242.1 | 256 | 277.4 | 302.7 | 339.3 | 381.8 | 398 | 395.1 | 391.1 | 388.6 | 386.7 | 386 | 232.1 |
| 75- 95 | 20 | 190.1 | 192.5 | 194.5 | 202.5 | 215.8 | 233.5 | 258.4 | 284.6 | 297.5 | 299.1 | 294.7 | 291.7 | 288.3 | 283.6 | 165.6 |
| 95- 115 | 20 | 167.4 | 165.9 | 161.9 | 164.2 | 171.7 | 183 | 199.2 | 215.7 | 225.8 | 225.9 | 222.7 | 218 | 214.2 | 209.2 | 118.4 |
| 115- 125 | 10 | 151.2 | 149.5 | 142.8 | 143.6 | 148.5 | 156.2 | 167.9 | 180.5 | 188.1 | 187.4 | 184.4 | 178.8 | 175.9 | 171.1 | 94.6 |
| 125- 150 | 25 | 124.6 | 123.6 | 122.1 | 123.4 | 126.9 | 132.5 | 140.7 | 150.4 | 154.4 | 154.5 | 149.7 | 145.6 | 142.9 | 138.9 | 75.5 |
| 150- 175 | 25 | 101 | 100.4 | 100.4 | 101.3 | 103.8 | 106.9 | 112.7 | 118.3 | 120.3 | 119.2 | 114.5 | 111.9 | 109.9 | 106.4 | 56.7 |
| 175- 200 | 25 | 83.9 | 83.2 | 83.8 | 84.8 | 86.3 | 88.7 | 92.4 | 95.6 | 96.3 | 94.4 | 90.1 | 88.5 | 86.7 | 84.2 | 43.7 |
| 200- 225 | 25 | 71.2 | 70.6 | 70.9 | 71.9 | 72.6 | 74.3 | 77 | 79 | 78.7 | 76.5 | 72.9 | 72.1 | 70 | 68 | 34.6 |

Table 1 (continuation)

Equivalent dose rate in the ID access scenario for T= 5 y, t=1d

| R/Z, | | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | dR\dZ | 0 | 10 | 15 | 15 | 25 | 25 | 50 | 50 | 50 | 25 | 25 | 15 | 15 | 10 | 0 |
| 0- 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 5- 10 | 5 | 1262 | 1408.6 | 2975.9 | 9992.7 | 5925.4 | 3990.6 | 5222.1 | 8126.6 | 7361.2 | 6499.2 | 6126.5 | 5976.6 | 5984.8 | 5944.6 | 3336.4 |
| 10- 20 | 10 | 1113.9 | 1191.5 | 1772.6 | 2925.8 | 2653.8 | 2124.5 | 2570.3 | 3614 | 3435 | 3121.6 | 2994.3 | 2971.2 | 3002.8 | 3051.9 | 1862.5 |
| 20- 30 | 10 | 883.2 | 928 | 1130.9 | 1395.9 | 1450.3 | 1363.4 | 1567.1 | 2007.5 | 1992 | 1868.8 | 1826 | 1836.9 | 1873.9 | 1948.4 | 1288.9 |
| 30- 45 | 15 | 728.2 | 747.6 | 785 | 862.5 | 918 | 940.9 | 1051.8 | 1255.3 | 1281.6 | 1240.5 | 1231.6 | 1248.7 | 1288.1 | 1346.1 | 915.7 |
| 45- 60 | 15 | 623.2 | 629.8 | 594.5 | 613.7 | 645.8 | 680.1 | 746.4 | 848.5 | 880.9 | 877.6 | 879.2 | 895.4 | 919.4 | 951.8 | 647.5 |
| 60- 75 | 15 | 508 | 510.2 | 484 | 487.8 | 505 | 529.7 | 573.7 | 632.7 | 661.9 | 667.9 | 670.8 | 679.4 | 689 | 697.9 | 460.3 |
| 75- 95 | 20 | 428 | 427.1 | 405.2 | 401.5 | 405.9 | 420.4 | 447.8 | 482 | 503.8 | 512.1 | 510.6 | 510.8 | 511 | 505.8 | 321 |
| 95- 115 | 20 | 412.4 | 399.8 | 355.7 | 337.8 | 333.5 | 339.4 | 354.3 | 373.3 | 389.5 | 391.8 | 387.5 | 381 | 377.5 | 367.4 | 223.6 |
| 115- 125 | 10 | 388.1 | 375.9 | 322 | 300.7 | 293.6 | 294.7 | 304.1 | 316.7 | 327.4 | 327.3 | 320.2 | 311.5 | 308.3 | 296.9 | 175.6 |
| 125- 150 | 25 | 296.4 | 289.2 | 268.9 | 259.2 | 254.1 | 254.1 | 259.1 | 266.9 | 271.5 | 271.1 | 260.1 | 252.4 | 249.4 | 239 | 137.6 |
| 150- 175 | 25 | 227.8 | 223.9 | 214.5 | 210.4 | 208.1 | 207.3 | 209.2 | 214.2 | 214.6 | 210.9 | 198.1 | 192.9 | 190.3 | 181.6 | 101.1 |
| 175- 200 | 25 | 181.3 | 178.9 | 174.4 | 172.9 | 171.5 | 171.1 | 173 | 175.5 | 172.9 | 168 | 155.5 | 152.9 | 149.3 | 141.4 | 76.3 |
| 200- 225 | 25 | 147.8 | 145.8 | 143.6 | 142.6 | 141.8 | 142.5 | 146 | 145.4 | 142.2 | 136 | 124.9 | 124.7 | 119.4 | 113.4 | 58.7 |

Table 1 (continuation)

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

| R/Z, | | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | dR\dZ | 0 | 10 | 15 | 15 | 25 | 25 | 50 | 50 | 50 | 25 | 25 | 15 | 15 | 10 | 0 |
| 0- 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 5- 10 | 5 | 821 | 933.4 | 2083.5 | 7364.6 | 4362.8 | 2917.7 | 3838.6 | 6019.3 | 5463 | 4804.8 | 4506.1 | 4372.6 | 4345.8 | 4277.5 | 2324.5 |
| 10- 20 | 10 | 714.5 | 782.8 | 1230.8 | 2104.6 | 1921.1 | 1534.3 | 1872.3 | 2657.8 | 2527.8 | 2280.3 | 2171.9 | 2129.2 | 2126.9 | 2130.9 | 1237 |
| 20- 30 | 10 | 560.4 | 599.4 | 765.3 | 973.8 | 1024.8 | 969.1 | 1127.7 | 1463 | 1450 | 1349 | 1301.5 | 1289.6 | 1294.6 | 1317.1 | 812.6 |
| 30- 45 | 15 | 444.7 | 463.2 | 510.7 | 579.7 | 631.1 | 656.2 | 747.3 | 904.2 | 921.4 | 882.6 | 863.7 | 862.1 | 872.7 | 892.5 | 564.7 |
| 45- 60 | 15 | 362 | 369.8 | 370.2 | 396.2 | 430 | 464.6 | 521.8 | 601.6 | 623.7 | 614.5 | 607.9 | 609.7 | 616.7 | 627 | 399.3 |
| 60- 75 | 15 | 286.4 | 290.8 | 290.4 | 304.7 | 327.2 | 353.8 | 394 | 442 | 462.4 | 462.1 | 459.8 | 460 | 461.2 | 462.8 | 289.1 |
| 75- 95 | 20 | 233 | 234.9 | 234.6 | 242.5 | 255.6 | 274.7 | 301.6 | 331.4 | 347.4 | 350.8 | 347.6 | 345.4 | 343.4 | 338.7 | 204.4 |
| 95- 115 | 20 | 206.8 | 204 | 196.3 | 197.4 | 204.4 | 216.7 | 234 | 252.6 | 265.1 | 266.2 | 262.7 | 257.9 | 254.7 | 248 | 144.7 |
| 115- 125 | 10 | 187.9 | 184.5 | 174.6 | 173.1 | 177.5 | 185.3 | 198.2 | 212 | 221.2 | 221 | 217.1 | 211.5 | 208.7 | 202.3 | 115.2 |
| 125- 150 | 25 | 153.6 | 151.9 | 149 | 149.6 | 152.6 | 157.9 | 166.7 | 176.5 | 182 | 182.3 | 176.2 | 171.7 | 169.3 | 163.1 | 91 |
| 150- 175 | 25 | 124.3 | 123 | 122.5 | 123.2 | 125 | 128.2 | 133.4 | 140 | 142.5 | 141.1 | 134.3 | 131.8 | 129.4 | 124.7 | 67.9 |
| 175- 200 | 25 | 103.2 | 102.1 | 102.5 | 103.2 | 104.2 | 106.3 | 110 | 114 | 114.2 | 111.8 | 105.6 | 104.1 | 101.6 | 97.8 | 51.7 |
| 200- 225 | 25 | 87.5 | 86.4 | 86.4 | 86.8 | 87.4 | 88.8 | 92.5 | 93.8 | 93.3 | 90.2 | 85.2 | 84.4 | 81.7 | 78.6 | 40.4 |

Table 1 (continuation)

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

| R/Z, | | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | dR\dZ | 0 | 10 | 15 | 15 | 25 | 25 | 50 | 50 | 50 | 25 | 25 | 15 | 15 | 10 | 0 |
| 0- 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 5- 10 | 5 | 1295.4 | 1447.7 | 3033 | 10193.8 | 6007.4 | 4030.8 | 5260.4 | 8158.3 | 7395.6 | 6544.8 | 6176.8 | 6034.4 | 6050.4 | 6012.8 | 3391.3 |
| 10- 20 | 10 | 1145 | 1220 | 1806.5 | 2972.3 | 2692.5 | 2148.3 | 2590.9 | 3633.5 | 3454.5 | 3147.6 | 3025.9 | 3007.9 | 3046.8 | 3105.9 | 1914.8 |
| 20- 30 | 10 | 905.1 | 949 | 1153.9 | 1417.8 | 1472.5 | 1379 | 1581.1 | 2021.8 | 2007.4 | 1888.1 | 1852.2 | 1862.6 | 1908.6 | 1994.8 | 1332.5 |
| 30- 45 | 15 | 745.1 | 764.6 | 801.1 | 878.3 | 932.7 | 953.4 | 1062.7 | 1267.2 | 1294.8 | 1256.8 | 1250.1 | 1273.3 | 1314.6 | 1381.9 | 951.7 |
| 45- 60 | 15 | 637 | 643.9 | 606.7 | 625.3 | 656.4 | 690.7 | 755.9 | 857.6 | 891.4 | 890.2 | 894.4 | 914.1 | 940.8 | 975.6 | 671.2 |
| 60- 75 | 15 | 519.7 | 521.9 | 494.6 | 497.6 | 514.2 | 538 | 581.3 | 640.6 | 670.9 | 678.9 | 682.3 | 693.6 | 705 | 715 | 476.5 |
| 75- 95 | 20 | 438 | 437 | 414 | 409.4 | 413.9 | 427.9 | 454.8 | 488.6 | 512 | 520.9 | 519.7 | 521.8 | 522.1 | 517.5 | 332.4 |
| 95- 115 | 20 | 422.4 | 409.3 | 364 | 345.1 | 340.2 | 345.7 | 360.4 | 379.2 | 396.1 | 399.2 | 394.8 | 388.5 | 385.5 | 375.1 | 229.8 |
| 115- 125 | 10 | 397.8 | 385.1 | 329.8 | 307.1 | 299.5 | 300.5 | 309.5 | 322.2 | 333.4 | 333.3 | 326.5 | 317.8 | 314.5 | 303 | 180.3 |
| 125- 150 | 25 | 303.6 | 296.2 | 275.3 | 265.5 | 259.6 | 259.1 | 263.6 | 271.8 | 276.8 | 276.2 | 264.9 | 257.1 | 254.4 | 243.5 | 141.5 |
| 150- 175 | 25 | 233.5 | 229.5 | 219.3 | 215.5 | 213.1 | 211.5 | 213.5 | 218.6 | 218.5 | 215.3 | 201.6 | 196.7 | 193.8 | 184.4 | 103.2 |
| 175- 200 | 25 | 186.4 | 183.6 | 179.1 | 177.4 | 175.5 | 174.7 | 176.9 | 179.4 | 176.5 | 171.1 | 157.9 | 155.5 | 151.6 | 143.3 | 77.5 |
| 200- 225 | 25 | 152.1 | 150 | 147.4 | 146.3 | 145.2 | 145.8 | 149.2 | 148.6 | 145.1 | 138.4 | 127.1 | 126.6 | 120.9 | 114.6 | 59.8 |

Table 1 (continuation)

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

| 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 | 854.2 | 968.2 | 2140.5 | 7563.5 | 4433.8 | 2958.3 | 3875.8 | 6066.6 | 5491.3 | 4834 | 4541.5 | 4409.9 | 4392.1 | 4331.4 | 2372.8 |
| 10- 20 | 10 | 745.1 | 811.6 | 1264.8 | 2153.7 | 1958.7 | 1559.9 | 1895.3 | 2682 | 2545.6 | 2301.4 | 2194.5 | 2160 | 2162 | 2181.9 | 1284.5 |
| 20- 30 | 10 | 582 | 620.3 | 787 | 996.4 | 1046.4 | 986.4 | 1143.8 | 1479.7 | 1464.4 | 1365.2 | 1324.2 | 1314.4 | 1326.3 | 1358.8 | 853.2 |
| 30- 45 | 15 | 461.9 | 479.8 | 526 | 595 | 645.2 | 669 | 758.9 | 915.7 | 933.3 | 896 | 880.7 | 883.6 | 898.9 | 925 | 595.6 |
| 45- 60 | 15 | 376.2 | 384.2 | 381.9 | 407.6 | 440.6 | 474.3 | 531.4 | 611.1 | 633.8 | 626.4 | 622.2 | 626.6 | 636.8 | 650.7 | 424.5 |
| 60- 75 | 15 | 297.6 | 302.3 | 301.1 | 314.3 | 336 | 362.4 | 402 | 449.9 | 471.2 | 472.8 | 471.5 | 473.4 | 476.4 | 479.7 | 303.6 |
| 75- 95 | 20 | 242.5 | 245 | 243.7 | 250.4 | 263.4 | 281.7 | 308.5 | 338.1 | 355 | 359.5 | 357.2 | 355.5 | 354.1 | 350.2 | 214.9 |
| 95- 115 | 20 | 216.5 | 213.3 | 204.7 | 204.7 | 211.4 | 223 | 240 | 258.6 | 271.5 | 273.2 | 270.2 | 265.6 | 262.6 | 255.7 | 151.3 |
| 115- 125 | 10 | 197.6 | 193.9 | 181.7 | 179.7 | 183.8 | 191.2 | 203.8 | 217.3 | 226.9 | 227.2 | 223.1 | 217 | 215 | 207.4 | 119.7 |
| 125- 150 | 25 | 160.8 | 158.7 | 155.4 | 155.4 | 157.8 | 163.5 | 171.6 | 181.6 | 187.1 | 187.7 | 181 | 176.3 | 174 | 167.7 | 94.8 |
| 150- 175 | 25 | 130.1 | 128.5 | 127.9 | 128 | 129.7 | 132.8 | 137.5 | 144.3 | 146.5 | 145.1 | 137.8 | 134.9 | 132.7 | 127.6 | 70 |
| 175- 200 | 25 | 108.2 | 106.9 | 107.1 | 107.6 | 108.2 | 110 | 113.6 | 117.4 | 117.4 | 115.2 | 107.9 | 106.7 | 104.1 | 99.8 | 53 |
| 200- 225 | 25 | 91.6 | 90.1 | 90.2 | 90.6 | 90.7 | 92.1 | 95.4 | 96.8 | 96.2 | 92.6 | 86.9 | 86.5 | 83.5 | 79.9 | 41.1 |

Table 1 (continuation)

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

| 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 | 142.2 | 159 | 339.2 | 1180.3 | 690.8 | 461.9 | 635.6 | 1050.8 | 942 | 810.1 | 749.9 | 723.6 | 717.1 | 707.8 | 391 |
| 10- 20 | 10 | 124.2 | 133.5 | 201.8 | 339.1 | 307.8 | 246.6 | 311.8 | 461.3 | 434.3 | 384.1 | 361.7 | 352.6 | 352.6 | 356.4 | 211.9 |
| 20- 30 | 10 | 96.8 | 102.6 | 127.1 | 159 | 166.4 | 158.1 | 189.1 | 252.3 | 248.2 | 226.3 | 216.3 | 213.5 | 213.8 | 219.4 | 137.7 |
| 30- 45 | 15 | 79 | 81.7 | 86.9 | 96.7 | 104.4 | 108.5 | 125.8 | 154.8 | 156.8 | 147.4 | 142.5 | 141.2 | 142 | 145.1 | 91.1 |
| 45- 60 | 15 | 66.5 | 67.8 | 64.3 | 67.4 | 72.4 | 77.7 | 88.1 | 102 | 105 | 101.8 | 99.7 | 98.9 | 98.9 | 99.7 | 61.8 |
| 60- 75 | 15 | 52.5 | 53 | 51 | 52.5 | 55.7 | 59.6 | 66.6 | 74.1 | 77.3 | 76.3 | 74.8 | 74.3 | 73.7 | 73.3 | 44.5 |
| 75- 95 | 20 | 42.3 | 42.7 | 41.3 | 42.3 | 43.9 | 46.4 | 50.8 | 55.6 | 57.9 | 57.6 | 56.6 | 55.7 | 54.8 | 53.8 | 31.7 |
| 95- 115 | 20 | 38.2 | 37.3 | 34.9 | 34.3 | 35.2 | 36.7 | 39.7 | 42.4 | 43.9 | 43.5 | 42.8 | 41.5 | 41.1 | 39.8 | 22.7 |
| 115- 125 | 10 | 34.8 | 34.1 | 31.3 | 30.4 | 30.8 | 31.6 | 33.5 | 35.5 | 36.5 | 36.2 | 35.4 | 34.2 | 33.7 | 32.4 | 18.3 |
| 125- 150 | 25 | 27.8 | 27.5 | 26.2 | 26.1 | 26.4 | 27.2 | 28.1 | 29.3 | 30 | 29.8 | 28.9 | 27.8 | 27.6 | 26.4 | 14.7 |
| 150- 175 | 25 | 22 | 21.9 | 21.5 | 21.8 | 21.7 | 21.9 | 22.6 | 23.4 | 23.6 | 23.3 | 22.1 | 21.5 | 21.2 | 20.2 | 11 |
| 175- 200 | 25 | 18.5 | 18.4 | 18.1 | 18.2 | 17.9 | 18 | 18.4 | 19.1 | 19.1 | 18.6 | 17.3 | 17 | 16.7 | 16.2 | 8.6 |
| 200- 225 | 25 | 15.4 | 14.9 | 14.9 | 14.9 | 14.9 | 15.1 | 15.9 | 15.8 | 15.7 | 14.9 | 13.9 | 14 | 13.6 | 13 | 6.8 |

Table 1 (continuation)

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

| 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 | 260.9 | 289.3 | 583.4 | 1940.3 | 1093.8 | 718.8 | 965.6 | 1554.1 | 1389.2 | 1202.1 | 1126.8 | 1102.4 | 1109.7 | 1110.7 | 647.9 |
| 10- 20 | 10 | 232.1 | 240.1 | 342.7 | 557.2 | 493.1 | 387.8 | 477.4 | 688 | 648.1 | 581.7 | 558.6 | 557.6 | 572.9 | 596.9 | 389.5 |
| 20- 30 | 10 | 176.1 | 181.7 | 217.2 | 263.6 | 270 | 251.3 | 292.4 | 381.1 | 376 | 351.1 | 344.2 | 349.8 | 364.9 | 394.6 | 284.8 |
| 30- 45 | 15 | 141 | 144.1 | 149.1 | 162.4 | 171.4 | 174.7 | 196.8 | 237.5 | 242.4 | 234.2 | 233.5 | 239.8 | 251.4 | 269 | 194.2 |
| 45- 60 | 15 | 118.1 | 119.8 | 111.5 | 114.4 | 120.2 | 126.6 | 139.8 | 159.7 | 166.2 | 166 | 167.7 | 171.9 | 178.2 | 185.6 | 130.1 |
| 60- 75 | 15 | 93.3 | 94.2 | 89.6 | 89.8 | 93.8 | 98.5 | 107.1 | 118.7 | 124.8 | 127.2 | 127.8 | 130 | 132.8 | 135.3 | 92 |
| 75- 95 | 20 | 76.3 | 76.7 | 73.1 | 73.1 | 74.2 | 77.4 | 83.3 | 90.4 | 95.7 | 97.1 | 97.6 | 97.5 | 98.4 | 97.9 | 63.8 |
| 95- 115 | 20 | 69.7 | 67.9 | 62.6 | 60.7 | 60.5 | 62.5 | 66 | 70.3 | 73.4 | 74.8 | 73.6 | 72.7 | 72.8 | 70.9 | 44.2 |
| 115- 125 | 10 | 64.3 | 62.2 | 56.2 | 53.6 | 53.1 | 54.2 | 57.2 | 59.5 | 61.8 | 62.3 | 60.9 | 59.4 | 59.5 | 57.2 | 34.6 |
| 125- 150 | 25 | 51.4 | 49.8 | 47.6 | 46.9 | 46.4 | 47.2 | 48.4 | 49.8 | 51.5 | 51.5 | 49.4 | 48 | 48.4 | 45.9 | 27.1 |
| 150- 175 | 25 | 40.9 | 40.1 | 39.4 | 39 | 38.7 | 38.4 | 39.1 | 40.1 | 40.8 | 40.5 | 37.5 | 37 | 36.7 | 34.5 | 19.7 |
| 175- 200 | 25 | 34.1 | 33.1 | 32.9 | 32.7 | 32 | 31.8 | 32.6 | 33.3 | 32.7 | 32.2 | 29.2 | 29.5 | 28.5 | 26.5 | 14.7 |
| 200- 225 | 25 | 28.4 | 27.8 | 27.2 | 27.2 | 26.8 | 27 | 27.5 | 27.6 | 27.3 | 25.8 | 23.5 | 23.9 | 22.4 | 21.1 | 11.2 |

Table 1 (continuation)

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

| 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 | 292.1 | 322.9 | 638.7 | 2114.3 | 1169.3 | 759.3 | 1002.3 | 1591.6 | 1417.8 | 1235 | 1162.9 | 1144.4 | 1159.4 | 1167 | 696.4 |
| 10- 20 | 10 | 261.2 | 267.4 | 375 | 605 | 529.3 | 411.1 | 498.2 | 708.6 | 667 | 602.2 | 583 | 588.5 | 610.6 | 643.6 | 434 |
| 20- 30 | 10 | 197 | 202.3 | 238 | 286.6 | 290.7 | 267.8 | 306.2 | 395.2 | 390.2 | 367.5 | 364.1 | 374.9 | 396.1 | 436.9 | 330.3 |
| 30- 45 | 15 | 157.4 | 160.3 | 164.2 | 177.1 | 185 | 187 | 207.8 | 248.6 | 254 | 247.9 | 249.7 | 260.6 | 276.7 | 300.7 | 225.8 |
| 45- 60 | 15 | 132.1 | 133.4 | 123.1 | 125.4 | 130.4 | 136.3 | 148.3 | 168.4 | 176.1 | 177.9 | 181 | 188.8 | 197.5 | 208.1 | 151.8 |
| 60- 75 | 15 | 104.5 | 105.1 | 99.1 | 99.2 | 101.9 | 106.7 | 114.5 | 126.2 | 133.4 | 137.4 | 139 | 143.4 | 147.6 | 151.2 | 106.9 |
| 75- 95 | 20 | 85.8 | 86 | 81.8 | 80.9 | 81.9 | 84.5 | 89.8 | 96.9 | 103.1 | 105.6 | 106.7 | 107.3 | 108.9 | 108.9 | 73.7 |
| 95- 115 | 20 | 79.2 | 77.3 | 70.6 | 67.5 | 67 | 68.4 | 71.8 | 76.1 | 79.8 | 81.7 | 80.9 | 79.8 | 80.4 | 78.3 | 50.3 |
| 115- 125 | 10 | 73.4 | 71.1 | 63.1 | 59.9 | 59.3 | 60 | 62.1 | 64.6 | 67.3 | 68.2 | 66.9 | 65.2 | 65.6 | 62.5 | 39 |
| 125- 150 | 25 | 58.3 | 56.7 | 53.9 | 52.1 | 51.6 | 51.9 | 53.3 | 54.4 | 56.5 | 56.2 | 54 | 52.5 | 52.9 | 49.7 | 30.2 |
| 150- 175 | 25 | 46.5 | 45.6 | 44.5 | 43.8 | 42.9 | 42.7 | 42.7 | 44.3 | 44.6 | 44.3 | 40.7 | 40.2 | 39.7 | 37 | 21.8 |
| 175- 200 | 25 | 38.6 | 37.9 | 37.3 | 36.7 | 36 | 35.3 | 35.9 | 36.7 | 36 | 35.1 | 31.7 | 31.7 | 30.7 | 28.3 | 15.8 |
| 200- 225 | 25 | 32.7 | 31.5 | 31.2 | 30.7 | 29.9 | 29.8 | 30.6 | 30.2 | 29.7 | 28.1 | 25.3 | 25.6 | 24.1 | 22.3 | 11.8 |

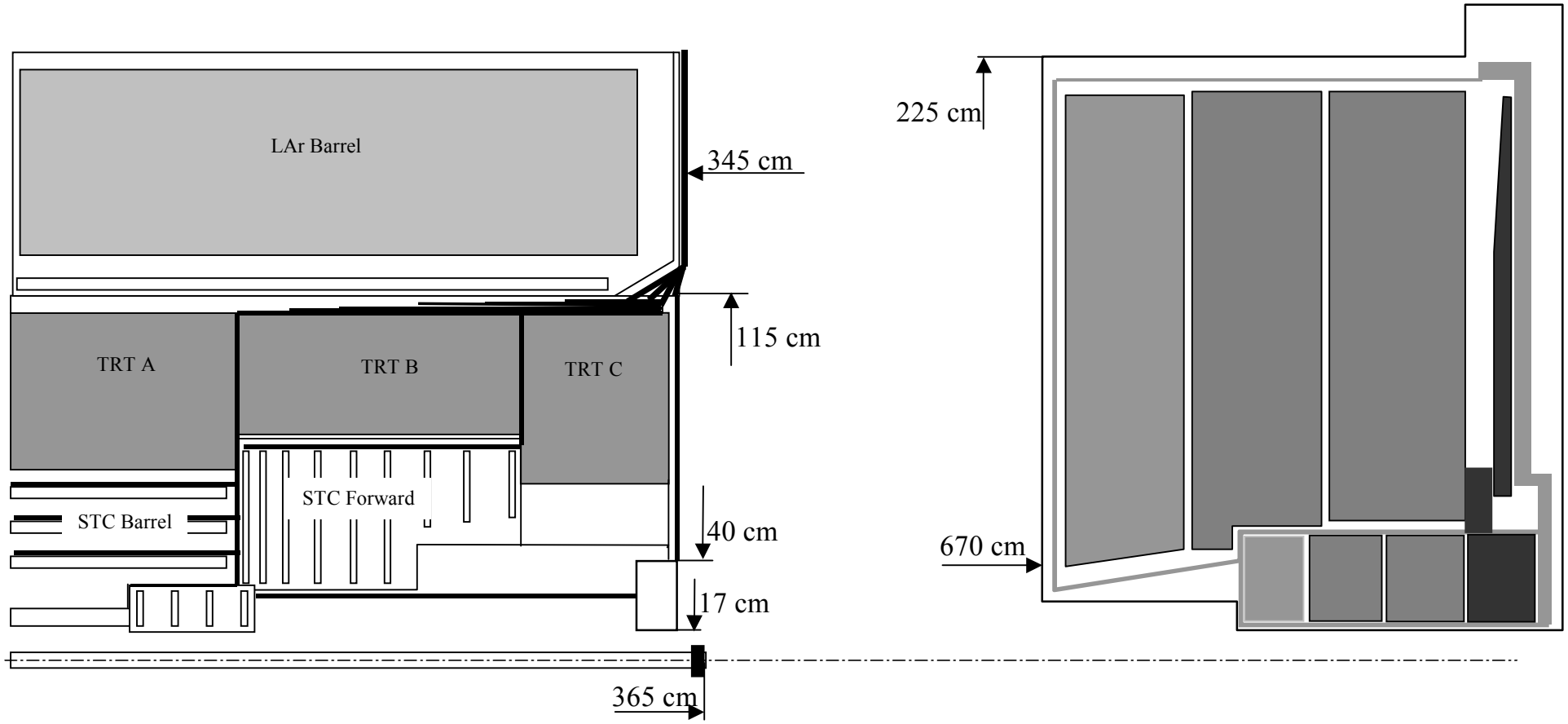


Fig. 1. Sketch of ID detector opening layout to calculations of access dose rate **without LA beam pipe**.

Table 2

Equivalent dose rate in the ID access scenario without LA beam-pipe for T= 30d, t=1d

| 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 | - | - | - | 278.1 | 143.9 | 118.4 | 110.1 | 113.3 | 140.1 | 198 | 271.6 | 361.5 | 477.9 | 657.1 | 734.6 |
| 5- 10 | 5 | 328 | 300.8 | 283.5 | 212.3 | 140.3 | 115.9 | 107.1 | 109.5 | 135.6 | 188.4 | 254.5 | 338.1 | 437.8 | 563.6 | 601.3 |
| 10- 20 | 10 | 290.9 | 259 | 206.4 | 171.9 | 136.4 | 114 | 104.5 | 106.6 | 133 | 181.7 | 233.9 | 309.9 | 398.3 | 501.8 | 531 |
| 20- 30 | 10 | 230.3 | 215.2 | 179.5 | 154.5 | 130.9 | 111.5 | 100.6 | 102.1 | 127.8 | 167.9 | 215.2 | 279.2 | 347.5 | 436.6 | 468.2 |
| 30- 45 | 15 | 224.7 | 216.1 | 169.3 | 144.7 | 124.5 | 107.5 | 94.9 | 95.3 | 116.4 | 148.8 | 187.9 | 237.4 | 294.2 | 361.2 | 379.1 |
| 45- 60 | 15 | 229.4 | 222.7 | 162.6 | 137.4 | 117.8 | 102.4 | 89.4 | 89.3 | 106 | 134.5 | 162.3 | 197 | 233.5 | 275.1 | 281.2 |
| 60- 75 | 15 | 198.4 | 193.2 | 152 | 130.2 | 112.3 | 97.5 | 85.7 | 84.6 | 98.4 | 118.6 | 137.2 | 158.9 | 177.5 | 196.3 | 193 |
| 75- 95 | 20 | 180.1 | 174.2 | 143 | 122.9 | 105.4 | 92 | 81.8 | 78.5 | 87.3 | 101.8 | 109.7 | 119.6 | 126.6 | 129 | 121.8 |
| 95- 115 | 20 | 201.2 | 188.2 | 142.5 | 116.7 | 98.4 | 86 | 75.9 | 70.9 | 77.3 | 82.5 | 84.2 | 84.8 | 86.6 | 82.9 | 74.6 |
| 115- 125 | 10 | 200.3 | 188.3 | 136.5 | 110 | 92.5 | 80.7 | 71.3 | 66.3 | 69.7 | 70.7 | 69 | 65.7 | 66.6 | 61.1 | 53 |
| 125- 150 | 25 | 140.2 | 132.8 | 110.6 | 96.6 | 84 | 74 | 65.1 | 60.7 | 59.7 | 60.2 | 53.4 | 50.1 | 50.3 | 44.5 | 37.6 |
| 150- 175 | 25 | 100.9 | 96.8 | 84.9 | 77.5 | 70.1 | 63.4 | 56.6 | 52.7 | 49.6 | 46.5 | 37.8 | 35.5 | 35 | 29.6 | 23.8 |
| 175- 200 | 25 | 74.9 | 72.5 | 66.4 | 61.9 | 57.8 | 52.8 | 48.6 | 45.1 | 40.9 | 36.5 | 27.3 | 26.7 | 24.6 | 19.8 | 14.4 |
| 200- 225 | 25 | 56.7 | 55.1 | 51.4 | 48.9 | 45.8 | 43.3 | 42.2 | 38.2 | 33.5 | 28.3 | 20.4 | 20.8 | 17.6 | 13.6 | 8.7 |

Table 2 (continuation)

Equivalent dose rate in the ID access scenario without LA beam-pipe for T= 30d, t=5d

| R/Z, | | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | dR\dZ | 0 | 10 | 15 | 15 | 25 | 25 | 50 | 50 | 50 | 25 | 25 | 15 | 15 | 10 | 0 |
| 0- 5 | 5 | - | - | - | 47.8 | 32.4 | 27.8 | 28.2 | 31.2 | 40.4 | 58.6 | 80.3 | 100.2 | 128.7 | 172 | 195.2 |
| 5- 10 | 5 | 89 | 73.7 | 52.5 | 40.3 | 31.4 | 27 | 27.2 | 30.2 | 39.3 | 55.9 | 74.4 | 94.5 | 116 | 145.1 | 156.6 |
| 10- 20 | 10 | 68.8 | 60.8 | 42.6 | 35.4 | 30.6 | 26.5 | 26.6 | 29.6 | 39.1 | 54 | 68.1 | 87.2 | 105.8 | 127.3 | 132.9 |
| 20- 30 | 10 | 50.4 | 46.9 | 37.7 | 32.9 | 29 | 25.7 | 25.5 | 28.4 | 37.8 | 50.3 | 63.3 | 79.3 | 94.1 | 108.5 | 113.2 |
| 30- 45 | 15 | 48 | 46.4 | 35.5 | 30.7 | 26.8 | 24.3 | 23.4 | 26.3 | 34.1 | 44.1 | 55.3 | 68.8 | 83.4 | 98.3 | 101.8 |
| 45- 60 | 15 | 47.9 | 46.7 | 33.3 | 27.9 | 24.8 | 22.9 | 21.9 | 24.7 | 30.9 | 39.9 | 48.6 | 59.2 | 69.1 | 81 | 84 |
| 60- 75 | 15 | 38.4 | 37.7 | 29.8 | 25.9 | 23.5 | 21.8 | 20.9 | 23.3 | 28.6 | 34.9 | 41.7 | 48.2 | 53.8 | 59.1 | 59.1 |
| 75- 95 | 20 | 33.4 | 32.2 | 27.3 | 24.6 | 21.9 | 20.5 | 20 | 21.3 | 25 | 30.4 | 33 | 36.4 | 38.2 | 39 | 37.4 |
| 95- 115 | 20 | 34.9 | 32.6 | 26.5 | 23.1 | 20.7 | 19.2 | 18.3 | 18.5 | 22.3 | 23.9 | 25.1 | 25.3 | 25.5 | 24.3 | 22.4 |
| 115- 125 | 10 | 33.9 | 31.9 | 25.3 | 21.6 | 19.6 | 17.9 | 17 | 17.4 | 19.8 | 20.1 | 20.3 | 19.1 | 19 | 17.3 | 15.7 |
| 125- 150 | 25 | 26.1 | 25 | 21.7 | 19.4 | 17.8 | 16.6 | 15.7 | 16.1 | 16.1 | 17.2 | 15.2 | 14 | 13.7 | 12.3 | 10.8 |
| 150- 175 | 25 | 20.7 | 19.7 | 18.1 | 16.6 | 15.3 | 14.5 | 14 | 13.6 | 12.9 | 12.6 | 10.2 | 9.3 | 8.9 | 7.5 | 6.5 |
| 175- 200 | 25 | 16.3 | 15.6 | 14.9 | 14.3 | 13.3 | 12.7 | 12 | 11.5 | 10.5 | 9.2 | 7 | 6.5 | 5.8 | 4.5 | 3.8 |
| 200- 225 | 25 | 13.6 | 12.9 | 12.3 | 12.1 | 11 | 10.3 | 10.3 | 9.2 | 8.1 | 6.8 | 4.8 | 4.4 | 3.5 | 2.7 | 2 |

Table 2 (continuation)

Equivalent dose rate in the ID access scenario without LA beam-pipe for T= 100d, t=1d

| R/Z, | | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | dR\dZ | 0 | 10 | 15 | 15 | 25 | 25 | 50 | 50 | 50 | 25 | 25 | 15 | 15 | 10 | 0 |
| 0- 5 | 5 | - | - | - | 311.8 | 157.6 | 127.7 | 116.5 | 118.4 | 143.8 | 201.8 | 275.6 | 365.7 | 482.9 | 661.3 | 737.7 |
| 5- 10 | 5 | 387.1 | 350.8 | 320.8 | 236.6 | 154.2 | 125.1 | 113.5 | 114.5 | 139.4 | 192.3 | 258.5 | 342.5 | 442.6 | 568.9 | 605.4 |
| 10- 20 | 10 | 337.1 | 298.7 | 232.1 | 190.6 | 149.3 | 123.2 | 111 | 111.6 | 136.9 | 185.4 | 237.8 | 314.4 | 403.1 | 506.9 | 535.5 |
| 20- 30 | 10 | 262.2 | 244.3 | 201 | 171.1 | 143.4 | 120.6 | 107.2 | 107.1 | 131.4 | 171.8 | 219 | 283.6 | 352.2 | 442.1 | 472.9 |
| 30- 45 | 15 | 256.3 | 246.3 | 189.1 | 160.3 | 136.2 | 116.5 | 101.3 | 100.3 | 120.2 | 152.8 | 191.6 | 242.1 | 299 | 366.5 | 383.7 |
| 45- 60 | 15 | 262.1 | 254.7 | 181.6 | 151.8 | 129 | 111.2 | 95.6 | 94.4 | 110.1 | 138 | 165.8 | 201.2 | 238 | 280 | 285 |
| 60- 75 | 15 | 222.7 | 217.1 | 168.4 | 143.4 | 122.8 | 105.6 | 91.9 | 89.4 | 102.3 | 121.8 | 140.8 | 162.7 | 181.5 | 200.6 | 196.5 |
| 75- 95 | 20 | 199.5 | 193.5 | 157.6 | 135 | 115.3 | 99.8 | 87.5 | 83 | 91.2 | 105.2 | 113 | 123 | 130.3 | 132.3 | 124.1 |
| 95- 115 | 20 | 222.6 | 207.7 | 156.6 | 128.1 | 107.6 | 93.3 | 81.3 | 75.3 | 80.9 | 85.6 | 87.5 | 88 | 89.3 | 85.3 | 76.2 |
| 115- 125 | 10 | 220.6 | 207 | 149.5 | 120.3 | 101.1 | 87.6 | 76.4 | 70.4 | 73 | 73.5 | 71.7 | 68.3 | 69.2 | 63.3 | 54.4 |
| 125- 150 | 25 | 153.5 | 145.4 | 121.2 | 105.2 | 91.3 | 80.3 | 70.3 | 64.5 | 62.7 | 62.8 | 56 | 52.7 | 52.5 | 46.7 | 38.5 |
| 150- 175 | 25 | 110.3 | 105.9 | 92.7 | 84.5 | 76.6 | 68.4 | 61.1 | 56.3 | 52.4 | 49 | 40.1 | 37.8 | 36.8 | 31.4 | 24.7 |
| 175- 200 | 25 | 82 | 79.2 | 72.3 | 67.6 | 62.8 | 57.4 | 52.7 | 48.4 | 43.4 | 38.9 | 29.5 | 28.4 | 26.4 | 21.3 | 15.3 |
| 200- 225 | 25 | 62.5 | 60.5 | 56.4 | 53.7 | 50.1 | 47.3 | 45.8 | 41 | 35.9 | 30.4 | 22.2 | 22.5 | 19.1 | 15 | 9.4 |

Table 2 (continuation)

Equivalent dose rate in the ID access scenario without LA beam-pipe for T= 100d, t=5d

| R/Z, | | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | dR\dZ | 0 | 10 | 15 | 15 | 25 | 25 | 50 | 50 | 50 | 25 | 25 | 15 | 15 | 10 | 0 |
| 0- 5 | 5 | - | - | - | 87.8 | 52.2 | 43.9 | 43.5 | 47.9 | 61.7 | 89.9 | 123.6 | 159.4 | 212.4 | 286.5 | 319 |
| 5- 10 | 5 | 151.1 | 127.2 | 94.9 | 70.6 | 50.7 | 42.7 | 42 | 46 | 59.1 | 84.8 | 113.5 | 147.1 | 185.4 | 236.1 | 255.1 |
| 10- 20 | 10 | 118.7 | 104.5 | 73.9 | 59.8 | 49.3 | 42.1 | 41.2 | 45 | 58.4 | 80.5 | 102.3 | 132.2 | 164.6 | 201.3 | 212.2 |
| 20- 30 | 10 | 86.2 | 80.4 | 64.4 | 55 | 47 | 41.1 | 39.4 | 43 | 55.7 | 73.8 | 92.9 | 117.2 | 140.8 | 166.9 | 174.7 |
| 30- 45 | 15 | 83.8 | 80.7 | 59.9 | 50.8 | 43.8 | 39.2 | 36.2 | 39.4 | 49.3 | 63.4 | 79.4 | 98.7 | 119.3 | 141.9 | 147 |
| 45- 60 | 15 | 84.3 | 82.2 | 56.4 | 46.9 | 41 | 36.9 | 33.7 | 36.3 | 44 | 56.9 | 68.5 | 83.2 | 96.9 | 112.4 | 114.5 |
| 60- 75 | 15 | 66.9 | 65.7 | 50.3 | 43.1 | 38.3 | 34.5 | 32.1 | 33.6 | 40.5 | 49.5 | 58.4 | 67.3 | 74.7 | 81.8 | 80.9 |
| 75- 95 | 20 | 56.4 | 55.1 | 45.6 | 40 | 35.4 | 32.3 | 30.4 | 30.9 | 35.9 | 43 | 46.4 | 50.8 | 53.3 | 54 | 51.3 |
| 95- 115 | 20 | 59.3 | 55.4 | 43.7 | 37.1 | 32.8 | 30 | 28 | 27.5 | 31.7 | 34.1 | 35.4 | 35.4 | 35.7 | 34.2 | 31.2 |
| 115- 125 | 10 | 56.9 | 53.5 | 41.2 | 35 | 31.1 | 27.9 | 25.9 | 25.6 | 28.3 | 28.9 | 28.9 | 26.7 | 26.9 | 24.8 | 21.7 |
| 125- 150 | 25 | 43.1 | 40.7 | 35.1 | 31.3 | 28.3 | 25.9 | 23.8 | 23.8 | 23.9 | 24.6 | 21.9 | 20.2 | 19.8 | 17.8 | 15.1 |
| 150- 175 | 25 | 33.2 | 31.8 | 28.9 | 26.4 | 24.4 | 22.2 | 21.2 | 20.2 | 19.3 | 18.4 | 14.9 | 13.9 | 13.4 | 11.3 | 9.4 |
| 175- 200 | 25 | 26.4 | 25.1 | 23.7 | 22.3 | 20.8 | 19.5 | 18.4 | 17.1 | 15.7 | 13.7 | 10.3 | 9.8 | 9 | 7.5 | 5.5 |
| 200- 225 | 25 | 21.6 | 20.6 | 19.4 | 18.8 | 17.3 | 16.4 | 15.8 | 14.6 | 12.7 | 10.5 | 7.5 | 7.4 | 6.1 | 4.8 | 3.1 |

Table 2 (continuation)

Equivalent dose rate in the ID access scenario without LA beam-pipe for T= 5 y, t=1d

| R/Z, | | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | dR\dZ | 0 | 10 | 15 | 15 | 25 | 25 | 50 | 50 | 50 | 25 | 25 | 15 | 15 | 10 | 0 |
| 0- 5 | 5 | - | - | - | 402.6 | 185 | 148 | 135.1 | 138.6 | 171.2 | 238.7 | 328.5 | 437.5 | 582.3 | 794.9 | 885.4 |
| 5- 10 | 5 | 463.2 | 425.5 | 406.9 | 293.7 | 180.8 | 145 | 131.4 | 134 | 164.9 | 228.2 | 308.7 | 412.2 | 536.5 | 689.1 | 729.4 |
| 10- 20 | 10 | 406.6 | 358 | 279.4 | 226.6 | 174 | 142.4 | 128.4 | 130.1 | 161 | 219.3 | 284.3 | 379.1 | 489.4 | 620.6 | 655.4 |
| 20- 30 | 10 | 310.1 | 287.5 | 236 | 199.9 | 166.3 | 139.2 | 123.9 | 124.6 | 154.1 | 203.1 | 261.6 | 341.1 | 428.7 | 548 | 592.6 |
| 30- 45 | 15 | 295.7 | 283.7 | 218.3 | 184.8 | 156.8 | 134.4 | 116.8 | 116.5 | 141.4 | 181.3 | 228.6 | 290.1 | 360 | 446.3 | 468.3 |
| 45- 60 | 15 | 299.5 | 290.8 | 207.7 | 173.5 | 148.1 | 127.6 | 110.2 | 109.7 | 129.2 | 163.2 | 197.5 | 240.5 | 285 | 334.5 | 340.6 |
| 60- 75 | 15 | 252.3 | 245.6 | 191.5 | 162.8 | 140 | 120.8 | 105.8 | 103.6 | 119.6 | 144.2 | 167 | 193.4 | 216.9 | 237.5 | 231.3 |
| 75- 95 | 20 | 223.9 | 217.4 | 178 | 153.3 | 130.9 | 114 | 100.8 | 96.3 | 107 | 124.1 | 134.4 | 146.1 | 155.5 | 158.1 | 148 |
| 95- 115 | 20 | 247.4 | 231.2 | 175.9 | 144.3 | 121.9 | 106.4 | 93.9 | 87.5 | 94.9 | 101.2 | 103.7 | 104.3 | 107 | 102.3 | 91.7 |
| 115- 125 | 10 | 244.8 | 229.7 | 167.1 | 135.4 | 114.7 | 99.6 | 88.3 | 81.4 | 85 | 86.9 | 84.7 | 81 | 82.5 | 75.4 | 65.4 |
| 125- 150 | 25 | 172.3 | 163.2 | 136.5 | 119.1 | 103.9 | 91.8 | 81.3 | 74.7 | 73.6 | 74 | 66.4 | 62.3 | 62.8 | 55.7 | 46.2 |
| 150- 175 | 25 | 124.8 | 119.4 | 105.7 | 96.5 | 87.3 | 78.5 | 70.1 | 65.2 | 61.3 | 58 | 47.1 | 44.4 | 44 | 37.4 | 29.3 |
| 175- 200 | 25 | 93.8 | 90.5 | 83 | 77.8 | 71.8 | 66 | 60.6 | 56.3 | 50.4 | 45.6 | 34.4 | 33.6 | 31.5 | 25.1 | 18.3 |
| 200- 225 | 25 | 72.4 | 69.7 | 65.4 | 61.8 | 57.7 | 54.5 | 53 | 47.5 | 42 | 35.8 | 25.7 | 26.6 | 22.4 | 17.6 | 10.9 |

Table 2 (continuation)

Equivalent dose rate in the ID access scenario without LA beam-pipe for T= 5 y, t=5d

| R/Z, | | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | dR\dZ | 0 | 10 | 15 | 15 | 25 | 25 | 50 | 50 | 50 | 25 | 25 | 15 | 15 | 10 | 0 |
| 0- 5 | 5 | - | - | - | 175.6 | 78.9 | 64.1 | 61.5 | 67.2 | 88 | 126.1 | 175.2 | 231.8 | 310.1 | 418.9 | 462.1 |
| 5- 10 | 5 | 227 | 200.8 | 178.4 | 126 | 76.6 | 62.3 | 59.5 | 64.3 | 84.3 | 119.8 | 162.7 | 216.6 | 279.2 | 356.1 | 379.5 |
| 10- 20 | 10 | 188.4 | 162.9 | 120 | 95.9 | 73.5 | 61.1 | 58 | 62.6 | 82.1 | 114 | 147.9 | 196.2 | 251 | 317.4 | 336.7 |
| 20- 30 | 10 | 134.1 | 123.1 | 98.5 | 83.2 | 69.4 | 59.3 | 55.5 | 59.7 | 78.1 | 104.8 | 134.6 | 174.1 | 216.4 | 272.5 | 293.2 |
| 30- 45 | 15 | 122.9 | 118.1 | 88.9 | 75.1 | 64.4 | 56.5 | 51.9 | 55.2 | 70.3 | 91.6 | 115.7 | 146.4 | 181.1 | 221.1 | 231.1 |
| 45- 60 | 15 | 121.1 | 117.5 | 82.3 | 68.5 | 59.5 | 53.4 | 48.3 | 51 | 63 | 81.5 | 99.5 | 121.5 | 143.8 | 166.8 | 170.4 |
| 60- 75 | 15 | 96.1 | 93.9 | 72.9 | 62.8 | 55.5 | 49.5 | 45.6 | 47.7 | 58 | 71.7 | 84.2 | 97.7 | 109.3 | 119.9 | 118.5 |
| 75- 95 | 20 | 81.1 | 79 | 65.6 | 57.8 | 50.9 | 46.4 | 43.2 | 43.9 | 51.6 | 61.5 | 67.2 | 73.5 | 78.2 | 79.8 | 75.6 |
| 95- 115 | 20 | 83.9 | 78.5 | 62.5 | 53.4 | 47 | 43.2 | 40 | 39.6 | 45.6 | 49.6 | 51.3 | 51.8 | 53.2 | 50.7 | 46.6 |
| 115- 125 | 10 | 81 | 75.5 | 59.2 | 50 | 44.3 | 40.2 | 37.4 | 36.7 | 40.5 | 41.9 | 41.5 | 39.6 | 40.6 | 37 | 32.8 |
| 125- 150 | 25 | 61.3 | 58 | 50.3 | 45.2 | 40.8 | 37.1 | 34.3 | 33.4 | 34.5 | 35.6 | 31.8 | 30.2 | 30.3 | 26.5 | 22.9 |
| 150- 175 | 25 | 47.5 | 45.2 | 41.4 | 38.3 | 35.1 | 32.3 | 29.8 | 29 | 28.3 | 27.2 | 21.9 | 21 | 20.5 | 17.3 | 14.3 |
| 175- 200 | 25 | 38 | 36.3 | 34.4 | 32.5 | 29.9 | 27.9 | 26.3 | 25.1 | 23 | 20.7 | 15.4 | 15.2 | 13.9 | 11.2 | 8.6 |
| 200- 225 | 25 | 31.4 | 29.8 | 28.2 | 26.7 | 24.8 | 23.3 | 23.2 | 20.9 | 18.7 | 15.6 | 11.3 | 11.4 | 9.5 | 7.3 | 4.9 |

Table 2 (continuation)

Equivalent dose rate in the ID access scenario without LA beam-pipe for T= 10y, t=1d

| R/Z, | | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cm | dR\dZ | 0 | 10 | 15 | 15 | 25 | 25 | 50 | 50 | 50 | 25 | 25 | 15 | 15 | 10 | 0 |
| 0- 5 | 5 | - | - | - | 434.5 | 194.2 | 154.8 | 141.4 | 145.6 | 180.8 | 250.8 | 345.8 | 461.1 | 616.8 | 835.5 | 925.7 |
| 5- 10 | 5 | 488.3 | 450.7 | 437 | 313.8 | 189.4 | 151.6 | 137.6 | 140.6 | 173.8 | 240.6 | 325.6 | 436.4 | 568.7 | 728.8 | 772.8 |
| 10- 20 | 10 | 430.2 | 377.6 | 295.4 | 239.8 | 182.8 | 148.9 | 134.2 | 136.8 | 169.6 | 231 | 300.8 | 401.2 | 520.3 | 660.8 | 699.8 |
| 20- 30 | 10 | 325.8 | 301.7 | 247.6 | 209.5 | 173.7 | 145.9 | 129.4 | 130.8 | 162.3 | 214.2 | 276.7 | 360.8 | 455.6 | 586.1 | 633.4 |
| 30- 45 | 15 | 308.2 | 295.9 | 228.5 | 193.5 | 164 | 140.3 | 122.6 | 122.6 | 149.2 | 191.5 | 242.5 | 308.2 | 383.1 | 475.9 | 501.2 |
| 45- 60 | 15 | 310.3 | 301.7 | 216.3 | 181.2 | 154.3 | 133.8 | 115.7 | 115.3 | 136.3 | 172.5 | 209.3 | 256 | 303.3 | 355.3 | 362.8 |
| 60- 75 | 15 | 261.8 | 255.2 | 199.5 | 169.8 | 146.4 | 126.2 | 110.6 | 108.9 | 126.3 | 152.8 | 176.3 | 205.4 | 230.6 | 252.5 | 246.5 |
| 75- 95 | 20 | 232.4 | 225.8 | 185 | 159.4 | 136.8 | 119.3 | 105.6 | 100.9 | 113.3 | 131 | 141.8 | 155.1 | 164.9 | 168.4 | 158.7 |
| 95- 115 | 20 | 256.3 | 239.6 | 182.7 | 150 | 127.1 | 111.1 | 98.4 | 91.9 | 100.1 | 107.1 | 109.6 | 110.5 | 113.7 | 109 | 97.4 |
| 115- 125 | 10 | 252.9 | 237.6 | 173.8 | 140.6 | 119.6 | 104.2 | 92.4 | 85.6 | 89.7 | 91.7 | 89.7 | 86.2 | 87.8 | 80.5 | 69.5 |
| 125- 150 | 25 | 178.5 | 169.1 | 141.8 | 124.4 | 108.4 | 95.9 | 84.9 | 78.6 | 77.7 | 78.2 | 70.2 | 66 | 66.9 | 59.2 | 49.6 |
| 150- 175 | 25 | 129.6 | 124.2 | 109.9 | 100.8 | 91.5 | 81.9 | 73.6 | 68.8 | 64.4 | 61.5 | 49.8 | 47.4 | 46.8 | 39.5 | 31 |
| 175- 200 | 25 | 98.4 | 94.6 | 87.1 | 81.7 | 75.3 | 68.8 | 63.8 | 59.4 | 53.3 | 48.1 | 36.2 | 35.6 | 33.3 | 26.5 | 19.3 |
| 200- 225 | 25 | 76.2 | 73.4 | 68.7 | 65 | 60.6 | 57.3 | 55.6 | 50.2 | 44.4 | 37.7 | 27.4 | 28.1 | 23.5 | 18.3 | 11.8 |

Table 2 (continuation)

Equivalent dose rate in the ID access scenario without LA beam-pipe for T= 10y, t=5d

| 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 | - | - | - | 207.2 | 88.5 | 71.2 | 67.8 | 74.6 | 97.4 | 138.8 | 193.3 | 257.3 | 345.1 | 463.7 | 509.2 |
| 5- 10 | 5 | 251.8 | 225.2 | 208 | 145.8 | 85.8 | 69.1 | 65.6 | 71.7 | 93.2 | 132 | 180.3 | 240.6 | 311.5 | 396.4 | 421.3 |
| 10- 20 | 10 | 211.5 | 182.7 | 135.9 | 108.5 | 82.1 | 67.7 | 64.1 | 69.5 | 90.7 | 125.6 | 164.9 | 219 | 281.1 | 356.7 | 378.4 |
| 20- 30 | 10 | 149.8 | 137.2 | 110.5 | 92.9 | 77.3 | 65.9 | 61.5 | 66.2 | 86.3 | 115.8 | 149.9 | 194.6 | 243.9 | 309.2 | 332.4 |
| 30- 45 | 15 | 135.8 | 130.1 | 98.5 | 83.5 | 71.4 | 62.6 | 57.5 | 61.2 | 77.9 | 101.6 | 129.3 | 164.8 | 204.2 | 250.6 | 260.4 |
| 45- 60 | 15 | 132.4 | 128.8 | 90.6 | 75.9 | 65.9 | 58.8 | 53.7 | 56.9 | 70.1 | 90.8 | 111.4 | 136.1 | 161.7 | 188.7 | 194.9 |
| 60- 75 | 15 | 105.2 | 103 | 81 | 69.7 | 61.6 | 55 | 50.8 | 53 | 64.7 | 80.3 | 94.4 | 109.5 | 122.8 | 135 | 132.3 |
| 75- 95 | 20 | 89 | 87.3 | 72.8 | 63.8 | 56.6 | 51.2 | 48 | 48.8 | 57.4 | 68.7 | 75.4 | 82.3 | 87.9 | 89.9 | 85.4 |
| 95- 115 | 20 | 92.6 | 86.7 | 69.4 | 59.1 | 52.4 | 47.9 | 44.4 | 44.2 | 50.7 | 55.4 | 57.5 | 58.3 | 60.1 | 57.4 | 52.5 |
| 115- 125 | 10 | 89.5 | 83.8 | 65.4 | 55.7 | 49.4 | 44.7 | 41.9 | 41 | 45.1 | 47 | 46.6 | 44.5 | 45.8 | 41.8 | 37.2 |
| 125- 150 | 25 | 67.6 | 63.9 | 55.8 | 50.1 | 45 | 41.6 | 38.3 | 37.4 | 38.6 | 40 | 35.8 | 33.9 | 34.3 | 30.3 | 26.3 |
| 150- 175 | 25 | 52.7 | 50 | 46.2 | 42.4 | 39 | 36.1 | 33.2 | 32.5 | 31.6 | 30.4 | 24.6 | 23.6 | 23.2 | 19.6 | 16.3 |
| 175- 200 | 25 | 42.5 | 40.5 | 38.5 | 36.3 | 33.4 | 31 | 29.3 | 28 | 25.6 | 23.5 | 17.2 | 17.2 | 15.9 | 12.7 | 9.6 |
| 200- 225 | 25 | 35 | 33 | 31.5 | 30 | 27.6 | 26.1 | 25.7 | 23.4 | 21.1 | 17.5 | 12.5 | 13 | 10.9 | 8.1 | 5.3 |

Table 2 (continuation)

Equivalent dose rate in the ID access scenario without LA beam-pipe for T= 100d, t=100d

| 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 | - | - | - | 39 | 15.7 | 12.3 | 11.5 | 12.1 | 16 | 22.7 | 31.9 | 45.1 | 62.1 | 86 | 95.1 |
| 5- 10 | 5 | 47.9 | 43 | 39.8 | 27.3 | 15.2 | 11.9 | 11 | 11.4 | 14.9 | 20.9 | 29 | 40.2 | 53.6 | 70.2 | 75 |
| 10- 20 | 10 | 40.4 | 34.9 | 26 | 20.1 | 14.6 | 11.9 | 10.8 | 11.1 | 14.1 | 19.3 | 25.5 | 34.4 | 45.8 | 60.4 | 65 |
| 20- 30 | 10 | 28.7 | 26.5 | 21 | 17.2 | 14 | 11.5 | 10.5 | 10.6 | 13.3 | 17 | 22 | 29 | 36.7 | 48.2 | 52.7 |
| 30- 45 | 15 | 27.3 | 26.2 | 19.2 | 15.7 | 13.2 | 11 | 9.8 | 9.6 | 11.6 | 14.3 | 17.9 | 22.7 | 28 | 34.7 | 36.4 |
| 45- 60 | 15 | 27.6 | 27 | 17.8 | 14.4 | 12.3 | 10.3 | 9.1 | 8.6 | 9.8 | 12.2 | 14.9 | 17.9 | 20.8 | 24 | 24.2 |
| 60- 75 | 15 | 21.5 | 21 | 15.6 | 13.1 | 11.3 | 9.5 | 8.5 | 7.6 | 9 | 10.8 | 12.2 | 14.1 | 15.5 | 16.7 | 16.3 |
| 75- 95 | 20 | 17.5 | 17.2 | 13.7 | 12 | 10.3 | 8.7 | 7.7 | 7.2 | 8.2 | 9.1 | 9.8 | 10.5 | 11 | 11.1 | 10.4 |
| 95- 115 | 20 | 18.1 | 16.7 | 12.9 | 10.6 | 9.2 | 8 | 7.4 | 6.7 | 7.1 | 7.3 | 7.6 | 7.3 | 7.7 | 7.2 | 6.4 |
| 115- 125 | 10 | 17.3 | 16.3 | 12.2 | 10.1 | 8.7 | 7.5 | 6.7 | 6.2 | 6.3 | 6.4 | 6.2 | 5.7 | 5.9 | 5.1 | 4.7 |
| 125- 150 | 25 | 12.6 | 12 | 9.9 | 8.9 | 7.9 | 7.1 | 6.1 | 5.5 | 5.4 | 5.4 | 4.9 | 4.4 | 4.5 | 3.8 | 3.4 |
| 150- 175 | 25 | 9.3 | 9 | 8.1 | 7.7 | 6.8 | 6 | 5.4 | 4.9 | 4.6 | 4.4 | 3.4 | 3.2 | 3.1 | 2.5 | 2.2 |
| 175- 200 | 25 | 7.7 | 7.5 | 6.9 | 6.4 | 5.6 | 5 | 4.5 | 4.4 | 4 | 3.5 | 2.3 | 2.3 | 2.2 | 1.8 | 1.4 |
| 200- 225 | 25 | 6.2 | 5.6 | 5.2 | 4.9 | 4.6 | 4.2 | 4.4 | 3.7 | 3.3 | 2.5 | 1.7 | 1.9 | 1.6 | 1.2 | 0.9 |

Table 2 (continuation)

Equivalent dose rate in the ID access scenario without LA beam-pipe for T= 5y, t=100d

| 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 | - | - | - | 120.6 | 39.5 | 29.9 | 27.1 | 29.3 | 38.7 | 55 | 77.3 | 110.4 | 149.9 | 201.5 | 218.4 |
| 5- 10 | 5 | 114 | 108.5 | 116.7 | 78 | 38.2 | 28.9 | 26.1 | 27.9 | 36.7 | 52.1 | 72.6 | 101.4 | 136.8 | 175.6 | 184.4 |
| 10- 20 | 10 | 101.9 | 86.7 | 67.3 | 52.2 | 36 | 28.5 | 25.6 | 26.8 | 34.8 | 49.1 | 66.5 | 91.2 | 123.1 | 162.7 | 174.1 |
| 20- 30 | 10 | 70.4 | 63.7 | 51.6 | 42.1 | 33.7 | 27.6 | 24.7 | 25.5 | 32.6 | 44.9 | 59.5 | 79.7 | 105.1 | 143.6 | 160.3 |
| 30- 45 | 15 | 61.2 | 58.5 | 44.5 | 37.3 | 31.1 | 26.3 | 23.3 | 23.6 | 29.9 | 39.4 | 50.8 | 66.1 | 84.2 | 107.4 | 113.8 |
| 45- 60 | 15 | 58.4 | 57.2 | 40.2 | 33.2 | 28.4 | 24.7 | 21.7 | 21.6 | 26.6 | 34.7 | 43.3 | 53.1 | 63.6 | 74.4 | 74.9 |
| 60- 75 | 15 | 46.1 | 45.4 | 35.6 | 29.9 | 26.4 | 22.9 | 20.3 | 20.2 | 24.4 | 31 | 35.8 | 41.7 | 47.3 | 52.1 | 50.6 |
| 75- 95 | 20 | 38.6 | 38 | 31.2 | 27.3 | 23.4 | 20.8 | 19 | 18.9 | 22.4 | 25.8 | 28.8 | 31.1 | 33.9 | 35 | 32.6 |
| 95- 115 | 20 | 39.3 | 36.9 | 29.4 | 25 | 21.4 | 19.4 | 17.8 | 17.4 | 19.1 | 21.4 | 21.8 | 22.3 | 23.7 | 22.9 | 20.3 |
| 115- 125 | 10 | 37.8 | 35.2 | 27.6 | 23.1 | 20.1 | 18.2 | 17.3 | 16.1 | 17.2 | 18.3 | 17.9 | 17.4 | 18.5 | 16.9 | 14.5 |
| 125- 150 | 25 | 28.6 | 26.5 | 23.2 | 21 | 18.7 | 17.3 | 15.6 | 14.4 | 15.1 | 15.4 | 14.1 | 13.4 | 14.4 | 12.6 | 10.5 |
| 150- 175 | 25 | 21.9 | 20.9 | 19.3 | 18 | 16.4 | 14.7 | 13.4 | 12.7 | 12.7 | 12.5 | 9.9 | 9.9 | 10.1 | 8.3 | 6.6 |
| 175- 200 | 25 | 18 | 16.8 | 16.1 | 15.2 | 13.6 | 12.5 | 12 | 11.4 | 10.2 | 9.8 | 7.1 | 7.7 | 7.1 | 5.3 | 4.1 |
| 200- 225 | 25 | 14.5 | 13.8 | 12.8 | 12.3 | 11.4 | 10.8 | 10.4 | 9.6 | 8.9 | 7.5 | 5.4 | 6.1 | 4.8 | 3.6 | 2.5 |

Table 2 (continuation)

Equivalent dose rate in the ID access scenario without LA beam-pipe for T= 10y, t=100d

| R/Z, cm | dR\dZ | 340<br>0 | 340-350<br>10 | 350-365<br>15 | 365-380<br>15 | 380-405<br>25 | 405-430<br>25 | 430-480<br>50 | 480-530<br>50 | 530-580<br>50 | 580-605<br>25 | 605-630<br>25 | 630-645<br>15 | 645-660<br>15 | 660-670<br>10 | 670<br>0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0- 5 | 5 | - | - | - | 150.2 | 48.7 | 36.7 | 33.4 | 36.4 | 47.8 | 67.5 | 94.4 | 134.3 | 182.8 | 242.4 | 262.8 |
| 5- 10 | 5 | 137.1 | 131.4 | 144.3 | 96.7 | 47.2 | 35.6 | 32.3 | 34.8 | 45.4 | 64.1 | 88.9 | 124.5 | 168.1 | 214 | 223.8 |
| 10- 20 | 10 | 123.6 | 105.1 | 82.2 | 64.3 | 44.4 | 34.7 | 31.5 | 33.5 | 43.2 | 60.5 | 82 | 113.1 | 152 | 201.2 | 214.5 |
| 20- 30 | 10 | 85.4 | 77.6 | 62.5 | 51.5 | 41.1 | 33.8 | 30.1 | 31.8 | 40.6 | 55.6 | 74 | 99.9 | 131.4 | 181 | 203.1 |
| 30- 45 | 15 | 73.3 | 70.1 | 53.8 | 45.1 | 37.7 | 32.2 | 28.7 | 29.8 | 37.3 | 49.5 | 63.6 | 83.5 | 106.2 | 135.5 | 143.8 |
| 45- 60 | 15 | 69.4 | 67.8 | 48.2 | 40.3 | 34.5 | 30.2 | 26.5 | 27 | 33.6 | 43.8 | 54.3 | 67.6 | 80.7 | 94.5 | 95.4 |
| 60- 75 | 15 | 55.2 | 54.1 | 42.7 | 36.6 | 31.7 | 28.2 | 25 | 25.2 | 30.8 | 39.1 | 45.2 | 53.3 | 60.4 | 66.4 | 64.7 |
| 75- 95 | 20 | 46.6 | 45.7 | 38.2 | 33.2 | 29.1 | 25.8 | 23.5 | 23.5 | 28.1 | 32.8 | 36.5 | 39.5 | 43.1 | 44.6 | 41.8 |
| 95- 115 | 20 | 47.6 | 45 | 36.2 | 30.4 | 26.5 | 23.8 | 22.1 | 21.8 | 24.2 | 27.2 | 27.9 | 28.4 | 30.2 | 29.2 | 25.9 |
| 115- 125 | 10 | 45.9 | 43.2 | 33.5 | 28.4 | 25.1 | 22.8 | 21 | 20 | 21.7 | 23.1 | 22.9 | 22.3 | 23.6 | 21.4 | 18.5 |
| 125- 150 | 25 | 34.6 | 32.6 | 28.6 | 25.4 | 23 | 21 | 19.5 | 18 | 19.2 | 19.3 | 17.8 | 17.1 | 18.2 | 15.6 | 13.3 |
| 150- 175 | 25 | 26.9 | 25.7 | 23.7 | 22.1 | 19.9 | 18.2 | 16.4 | 16.1 | 15.8 | 15.6 | 12.5 | 12.5 | 12.5 | 10.2 | 8.4 |
| 175- 200 | 25 | 22 | 21 | 19.9 | 18.6 | 17 | 15.4 | 14.7 | 14.2 | 13 | 12.2 | 9.1 | 9.5 | 8.7 | 6.7 | 5 |
| 200- 225 | 25 | 18.4 | 17.1 | 16.3 | 15.4 | 13.9 | 13.2 | 13 | 11.8 | 10.9 | 9.3 | 6.7 | 7.3 | 6 | 4.5 | 2.9 |