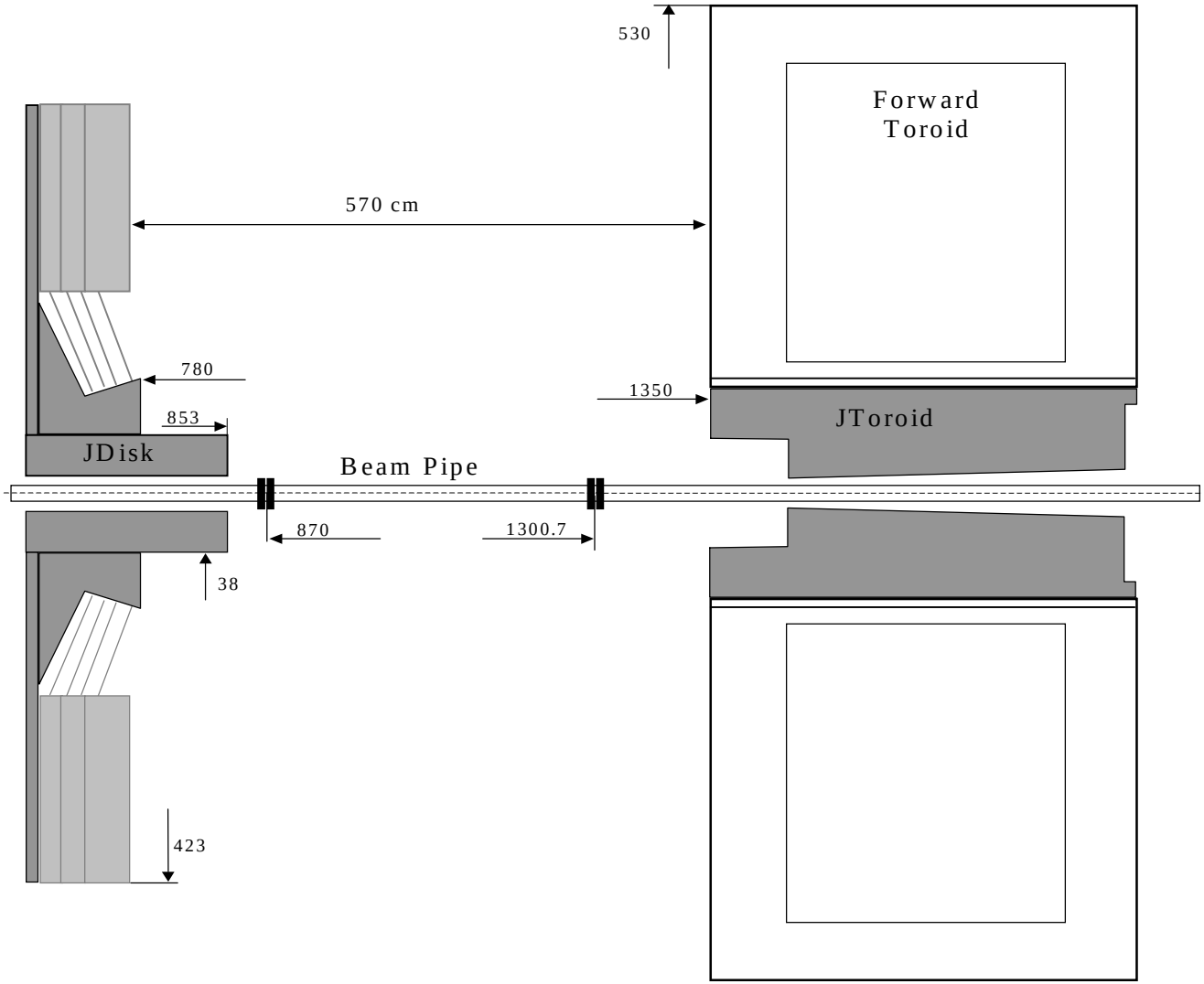

Fig.1. Access scenario to the area between JDisk and Forward Toroid with Beam Pipe in place.

Table 5

Equivalent dose rate from JDisk and Toroid JDisk, Toroid, and Beam Pipe for T= 30d, t=1d

R/Z, cm	dR\dZ	780	780-805	805-830	830-853	853	852-863	863-875	875-900	900-925	925-975	975-1025	1025-1125	1125-1225	1225-1275	1275-1325	1325-1340	1340-1350	1350
		0	25	25	23	0	10	12	25	25	50	50	100	100	50	50	15	10	0
0- 10	10																		
10- 20	15					1839.9	1732.7	1707.5	1275.2	967.2	1176.4	1525.6	857.4	584	720.7	1356.1	782.9	643.2	595.3
20- 38	18					699	715.1	729.3	655.9	562.9	612.2	704.1	456.9	329.1	412.3	603.1	484.3	460.6	460.2
38	0.	459.2	319.6	246.1	180.5	397.1	429.3	470.4	471.2	438.4	458.8	493.9	346.4	259.3	317.3	418.1	384.9	390	395.6
38- 60	22	273.8	232.1	202.9	194.1	288.9	305.3	327.3	342.1	336.2	349.2	357.1	266.3	207.7	243.2	299	282.8	279.8	282.4
60- 80	20	116	131.4	141.6	159.9	188.8	196.6	204	221.1	228.5	236.7	239.2	186.9	153.5	170.2	182.5	164.3	154.9	148.1
80- 100	20	59	80.1	102.2	123.2	134	139.7	144.4	158	167.1	170.6	174.5	143	119.8	127.4	119.7	103.5	91.5	82.8
100- 125	25	45.5	57.3	76.3	91.4	98.8	102.6	106.2	113.3	122.3	128.7	121.6	113.7	95.1	90.9	82.9	70.3	63	58
125- 150	25	38.6	46.2	58.9	67.5	72.4	75.2	80	83.6	90.6	93.5	95.7	88.3	76.7	68.2	59.7	51.8	46.8	43.7
150- 175	25	34.1	38.1	47.5	52.3	56.5	58.3	61.5	63.7	69.8	71.6	76.7	70.2	65.5	53.5	45.6	40.8	36.7	34.9
175- 200	25	29.1	31.9	39.8	41.6	45.3	47	49.8	51	54.5	60	60.7	58.3	53.6	45.9	36.3	33.3	29.9	28.8
200- 225	25	25	28	33.4	34	36.6	38	40.9	43.7	44.3	51.4	49.9	47.8	42.8	39.5	30	27.7	25.1	24.3
225- 250	25	22.3	24.7	28.3	28.9	30	31.1	33.5	38.3	38.5	42.3	41.3	40.3	35.8	31.3	25.3	23.4	21.5	21.1
250- 275	25	21.2	21.8	24	25.2	25.8	26.2	27.8	33.2	33.4	33.7	34.5	35.2	30.2	26.7	21.9	20.1	18.8	18.4
275- 300	25	19.1	19.3	20.6	22.2	22.7	22.8	23.6	27.3	27.5	27.5	29.5	30.7	26.5	22	19.4	17.4	16.5	16.1
300- 325	25	17	16.9	17.7	19.7	20.1	20.2	20.7	22.4	23	23.6	26.2	26.4	24.2	18.4	17	15.4	14.6	14.4
325- 350	25	15.4	15	15.3	17.6	18.1	18.1	18.4	19.2	19.5	21	23.7	22.6	22.3	16.3	15.2	13.7	13	12.9
350- 375	25	13.8	13.2	13.4	15.8	16.3	16.3	16.4	17.1	17.1	18.8	21.6	19.2	20.2	15.4	13.6	12.1	11.8	11.6
375- 400	25	12.5	11.8	11.7	14.1	14.7	14.8	15	15.5	16	17.4	19.4	16.8	17.9	14.5	12.4	11	10.7	10.6
400- 425	25	11	10.4	10.5	12.5	13.1	13.2	13.3	14.2	14.9	15.7	16.4	14.8	15.2	13.1	11.2	9.9	9.7	9.7

Table 5, Continuation

Equivalent dose rate from JDisk and Toroid JDisk, Toroid, and Beam Pipe for T= 30d, t=5d

R/Z, cm	dR\dZ	780	780-805	805-830	830-853	853	853-863	863-875	875-900	900-925	925-975	975-1025	1025-1125	1125-1225	1225-1275	1275-1325	1325-1340	1340-1350	1350
		0	25	25	23	0	10	12	25	25	50	50	100	100	50	50	15	10	0
0- 10	10																		
10- 20	15					977.9	953.2	1000.1	770.7	599.6	748.4	980.9	548	367.4	445.2	831.4	420.8	305	259.3
20- 38	18					366.6	386.4	413.5	383.6	339.4	382.3	448	288.8	202.8	247.3	347.8	234.8	192.5	177.9
38	0.	116.6	128.6	123.9	94.8	228.5	242.8	266	271.9	260.6	282.9	312	217.6	157.9	187.1	231.5	178.2	154.8	143.9
38- 60	22	70.4	89.3	100.4	106.4	166.2	174.2	186.5	196.2	197.5	212.5	223	165.9	124.7	140.2	160.2	128.4	109.5	102
60- 80	20	43.7	58.2	70.8	88.8	108.2	112.3	117.6	126.9	133.1	141.4	146.2	115	90.5	95.4	96.2	78.4	69.7	65.8
80- 100	20	33.9	42.3	54.1	69.9	77.6	80.4	83.1	90.3	96.8	101.5	104.8	86.5	70	70.8	64.2	54.9	49.7	47.2
100- 125	25	27.8	32.8	43.4	52.5	57	59.5	62	65.6	70.5	75.5	73.6	67.3	55.1	51	46.1	40.1	37.2	35.6
125- 150	25	24	27.7	34.9	40	42.9	44.2	46.4	48.8	53	54.7	56.4	51.8	43.9	38.6	34.3	30.5	28.5	27.6
150- 175	25	21.4	23.3	29	31.4	34	35	36.6	37.3	40.8	42.4	44.2	41	37.1	30.4	26.9	24.3	22.9	22.3
175- 200	25	18.4	19.8	24.3	25.4	27.4	28.3	29.9	30.3	31.8	34.6	35.2	33.5	30.4	26.3	22	20	18.9	18.6
200- 225	25	15.8	17.5	20.5	21.2	22.4	23	24.5	25.5	26	28.9	29	27.5	24.4	22.5	18.4	16.8	16	15.8
225- 250	25	14.1	15.6	17.2	18.3	18.8	19.2	20.4	21.8	22.1	24	24	23.5	20.3	18.4	15.6	14.5	13.9	13.7
250- 275	25	13.4	13.7	14.8	15.8	16.2	16.4	17.2	18.7	19.1	19.9	20	20.1	17.3	15.6	13.6	12.5	12	11.9
275- 300	25	12	12.2	12.6	13.9	14.3	14.5	14.8	15.9	16.1	16.7	17.3	17.2	15.4	13.2	11.9	11.1	10.7	10.5
300- 325	25	10.8	10.8	10.9	12.3	12.7	12.8	13	13.6	13.6	14.4	15.2	14.8	14.1	11.5	10.6	9.8	9.4	9.3
325- 350	25	9.7	9.6	9.6	11	11.4	11.5	11.7	11.9	11.7	12.5	13.7	12.8	12.8	10.4	9.3	8.7	8.5	8.4
350- 375	25	8.8	8.5	8.4	9.8	10.1	10.2	10.4	10.7	10.5	11.1	12.1	11.3	11.6	9.5	8.4	7.8	7.7	7.6
375- 400	25	8	7.5	7.4	8.8	9.1	9.3	9.4	9.6	9.5	9.7	10.7	9.9	10.2	8.8	7.6	7.1	6.9	6.8
400- 425	25	7	6.7	6.7	7.7	8.2	8.3	8.5	8.6	8.7	8.6	9.3	8.9	8.8	8	6.8	6.4	6.3	6.2

Table 5, Continuation

Equivalent dose rate from JDisk and Toroid JDisk, Toroid, and Beam Pipe for T= 100d, t=1d

R/Z, cm	dR\dZ	780	780-805	805-830	830-853	853	852-863	863-875	875-900	900-925	925-975	975-1025	1025-1125	1125-1225	1225-1275	1275-1325	1325-1340	1340-1350	1350
		0	25	25	23	0	10	12	25	25	50	50	100	100	50	50	15	10	0
0- 10	10																		
10- 20	15					2470.3	2291	2227	1655.3	1253.3	1538.4	2019.9	1127.4	755.2	928.4	1744.1	990.4	806.1	739.2
20- 38	18					906.2	931.3	953.3	854.8	732.6	801.2	930	600.2	425.7	530.1	770	607.4	569.5	565.6
38	0.	329.9	141.8	65.8	42	506.5	552.2	610.7	613.9	571.5	600.8	651.3	455.1	335.4	407.2	531	482.7	478.9	479.4
38- 60	22	320.4	278.1	248.1	241.4	366.1	389.8	422.4	444.2	438.1	457.4	469.6	349.6	268.7	311.1	379.3	351	339.7	340.7
60- 80	20	139.4	160.1	174.5	200.5	238.9	250.3	261.2	285.6	296.8	309.6	314.3	244.7	198.4	217.4	230.7	204.1	190.9	182.2
80- 100	20	74.2	99.6	127.7	155.3	170.4	178.1	184.9	203.4	216.3	222.2	228.9	186.5	154.4	163.1	151.1	130.4	115.7	105.5
100- 125	25	58	72.6	96.6	115.7	125.6	131	136.1	145.7	158.2	167.3	158.4	148.2	122.5	115.8	105.3	89.4	80.5	74.5
125- 150	25	49.6	59.1	74.9	86	92.4	96.2	102.7	107.4	117.3	120.9	124.3	114.8	98.7	86.9	76.1	66.3	60.2	56.5
150- 175	25	44	48.9	61.2	67.1	72.4	74.7	79.1	81.8	89.9	92.7	99.8	90.6	84.7	68.3	58.3	52.4	47.4	45.2
175- 200	25	37.5	41.2	51	53.3	58.2	60.3	64.1	65.6	69.9	77.5	78.6	75.2	69.3	58.9	46.8	42.8	38.7	37.3
200- 225	25	32.3	36	42.8	43.8	46.9	48.9	52.7	56.2	57.1	66.1	64.6	61.7	54.7	50.9	38.6	35.7	32.5	31.7
225- 250	25	28.8	31.9	36.3	37.4	38.9	40.1	43.3	49.2	49.6	54.9	53.2	52.2	45.7	40	32.7	30.2	27.9	27.3
250- 275	25	27.4	28.1	30.9	32.5	33.4	33.9	35.9	42.5	42.8	43.6	44.4	45.3	38.7	34.3	28.4	25.9	24.3	23.9
275- 300	25	24.4	24.8	26.5	28.7	29.1	29.4	30.6	35.3	35.5	35.5	38.4	39.5	34.2	28.3	24.9	22.6	21.5	21.1
300- 325	25	21.9	21.9	22.8	25.5	26	26.1	26.7	29.1	29.5	30.5	33.9	33.8	31.4	23.9	22.1	19.9	19.1	18.8
325- 350	25	19.8	19.4	19.8	22.8	23.2	23.3	23.8	24.9	25.3	26.8	30.6	28.8	28.8	21.2	19.7	17.7	17.1	16.9
350- 375	25	17.9	17.2	17.2	20.4	21	21.1	21.4	22.1	22.5	24.2	27.7	24.9	26	20.1	17.7	15.9	15.3	15.1
375- 400	25	16.2	15.3	15.4	18.2	19	19.1	19.1	20.1	20.6	22	24.7	21.7	23	19.1	15.9	14.4	13.9	13.8
400- 425	25	14.2	13.6	13.6	16	16.8	17	17.2	18.3	19.2	19.8	20.8	19.2	19.6	17.1	14.5	12.9	12.6	12.5

Table 5, Continuation

Equivalent dose rate from JDisk and Toroid JDisk, Toroid, and Beam Pipe for for T= 100d, t=5d

R/Z, cm	dR\dZ	780	780-805	805-830	830-853	853	852-863	863-875	875-900	900-925	925-975	975-1025	1025-1125	1125-1225	1225-1275	1275-1325	1325-1340	1340-1350	1350
		0	25	25	23	0	10	12	25	25	50	50	100	100	50	50	15	10	0
0- 10	10																		
10- 20	15					1607	1499.	1501.6	1131.7	871.9	1091.1	1448.1	803.2	529	641.3	1197.1	618.6	458.4	395.5
20- 38	18					564.4	594.2	627.4	574	501.6	561.6	661.7	424.2	294	358.8	506	351.6	296.8	278.7
38	0.	189.9	186.2	173.1	132.7	332.7	360.1	399.6	407.6	388	417.7	460.9	320	229.8	272	339	269.3	240.3	225.4
38- 60	22	113.8	132.3	142.1	151.4	241.4	255.7	277.2	293.7	294.7	315.6	329.8	244.6	182.4	204.7	236	193.1	167.9	158
60- 80	20	65.9	85.2	102.2	127.5	156	163.5	172.1	188.3	198.2	210.7	217.3	169.5	132.9	140.2	141.7	116.2	104.2	98.4
80- 100	20	48.4	60.8	78.2	100.2	112.1	116.8	121.5	133.3	143.4	150.5	156.6	127.9	102.6	104.4	94	80.4	72.7	68.5
100- 125	25	39.9	47.4	62.5	75.5	82.5	86.3	90.2	96.3	104.3	112.1	108.4	100	80.9	74.5	67.2	58.3	53.6	51.4
125- 150	25	34.4	39.8	50.2	57.3	61.9	64.1	67.7	71.4	78.2	81	83.7	77.1	64.9	56.3	49.9	44.3	41.2	39.8
150- 175	25	30.7	33.4	41.6	45.3	49	50.5	53.4	54.5	60	62.5	65.8	60.4	55.2	44.4	39.1	35.3	33.1	32.1
175- 200	25	26.2	28.3	35.1	36.6	39.5	40.7	43.4	44.2	46.4	51.1	52.2	49.5	45.1	38.7	31.8	29	27.4	26.7
200- 225	25	22.7	25.1	29.4	30.4	32.2	33.2	35.6	37.3	37.9	43	42.9	40.9	35.8	33.2	26.6	24.5	23.2	22.6
225- 250	25	20.4	22.3	24.9	26.2	27.2	27.8	29.5	32.1	32.7	35.8	35.4	34.9	29.8	26.4	22.7	21	19.9	19.5
250- 275	25	19.3	19.7	21.2	22.7	23.5	23.8	24.8	27.6	28	29.1	29.7	29.9	25.5	22.6	19.6	18.2	17.4	17.1
275- 300	25	17.3	17.5	18.3	20.1	20.6	20.8	21.4	23.5	23.5	24.4	25.6	25.5	22.9	19.2	17.1	16	15.4	15.2
300- 325	25	15.4	15.4	15.8	17.8	18.4	18.5	18.7	19.8	19.8	20.9	22.6	21.9	21.1	16.5	15.2	14.1	13.7	13.4
325- 350	25	14	13.7	13.9	15.8	16.3	16.4	16.7	17.2	17.2	18.3	20	19	19	14.9	13.6	12.6	12.2	12
350- 375	25	12.6	12.1	12.2	14.1	14.6	14.7	15	15.4	15.4	16	17.8	16.6	17	14	12.2	11.4	11	10.9
375- 400	25	11.3	10.9	10.9	12.5	13.1	13.3	13.6	13.9	13.9	14.1	15.9	14.9	14.8	13.1	11	10.2	10	9.9
400- 425	25	10	9.7	9.7	11.2	11.7	11.9	12.1	12.6	12.7	12.5	13.7	13.2	12.8	11.7	9.9	9.3	9.1	9

Table 5, Continuation

Equivalent dose rate from JDisk and Toroid JDisk, Toroid, and Beam Pipe for T= 5y, t= 1d

R/Z, cm	dR\dZ	780	780-805	805-830	830-853	853	852-863	863-875	875-900	900-925	925-975	975-1025	1025-1125	1125-1225	1225-1275	1275-1325	1325-1340	1340-1350	1350
		0	25	25	23	0	10	12	25	25	50	50	100	100	50	50	15	10	0
0- 10	10																		
10- 20	15					2709.9	2489.7	2409.7	1792.2	1356.4	1668.6	2198	1218	808.2	991.4	1861.6	1058.4	861	789.2
20- 38	18					981.9	1010.3	1031.7	926.6	793.5	869.3	1011.1	648.6	456	566.4	822.6	648.9	608.4	603.7
38	0.	570.9	410.7	323.5	239.4	549.7	599.6	659.8	663.9	618.7	651.9	707.8	491.8	359.7	435.1	567.5	512.1	511.8	510.7
38- 60	22	343.5	300.8	269.3	261.4	396.6	422.9	457.7	480.8	474.8	496.2	510.1	377.8	288	332.9	405.1	375.1	363.7	364.1
60- 80	20	150.1	173	189.4	216.9	258.8	270.9	282.7	309.1	321.5	335.5	340.9	264.5	212.8	232.6	246.5	218.1	204.1	194.6
80- 100	20	80.8	108.1	138.3	168.2	184.1	192.8	199.9	220.1	234	240.9	248.1	201.7	166	174.5	161.6	139.4	123.7	112.9
100- 125	25	63.3	78.7	104.7	125.3	135.7	141.6	147.1	157.7	171.1	181.2	171.5	160.1	131.7	124	112.9	95.8	86.4	80.1
125- 150	25	53.9	63.9	81.2	93.1	100	104.1	111.2	116.2	126.9	131.2	134.5	124.1	106.3	93.3	81.5	71.1	64.6	60.9
150- 175	25	47.7	53.1	66.4	72.5	78.4	80.8	85.9	88.4	97.3	100.3	107.7	97.9	91.1	73.4	62.6	56.4	51	48.7
175- 200	25	40.7	44.6	55.3	57.9	63	65.2	69.4	71.1	75.8	83.7	85	81.2	74.6	63.5	50.2	46	41.8	40.2
200- 225	25	35.1	39.1	46.4	47.5	50.9	52.8	57.1	60.7	61.5	71.4	69.6	66.8	59.1	54.7	41.5	38.5	35.2	34.1
225- 250	25	31.3	34.5	39.4	40.4	42.1	43.4	46.8	53.3	53.6	59.2	57.6	56.3	49.3	43.2	35.2	32.5	30.1	29.5
250- 275	25	29.7	30.6	33.5	35.2	36.2	36.7	38.8	46.1	46.3	47.1	48.2	48.9	41.7	36.8	30.5	28	26.2	25.8
275- 300	25	26.6	26.8	28.6	31.1	31.6	31.9	33.1	38.3	38.4	38.5	41.4	42.5	36.9	30.6	26.9	24.5	23.1	22.8
300- 325	25	23.8	23.8	24.7	27.7	28.2	28.3	29	31.5	32	32.8	36.7	36.5	33.9	25.7	23.7	21.5	20.5	20.2
325- 350	25	21.5	20.9	21.5	24.8	25.3	25.3	25.7	27	27.5	29	33.2	31.3	31.1	23.1	21.2	19.1	18.4	18.2
350- 375	25	19.3	18.6	18.8	22	22.8	22.8	23.1	23.9	24.3	26.3	30	27	28.1	21.6	19.1	17.1	16.6	16.4
375- 400	25	17.4	16.6	16.6	19.8	20.5	20.6	21	21.8	22.3	23.9	26.5	23.4	24.7	20.5	17.2	15.4	15	14.9
400- 425	25	15.4	14.7	14.8	17.3	18.2	18.3	18.5	19.9	20.8	21.3	22.4	20.9	21.2	18.5	15.6	14	13.7	13.6

Table 5, Continuation

Equivalent dose rate from JDisk and Toroid JDisk, Toroid, and Beam Pipe for T= 5y, t=5d

R/Z, cm	dR\dZ	780	780-805	805-830	830-853	853	852-863	863-875	875-900	900-925	925-975	975-1025	1025-1125	1125-1225	1225-1275	1275-1325	1325-1340	1340-1350	1350
		0	25	25	23	0	10	12	25	25	50	50	100	100	50	50	15	10	0
0- 10	10																		
10- 20	15					1849.7	1726.3	1708.8	1285.5	985	1234.2	1640.1	904.7	591	716	1337.1	696.6	520.7	452.5
20- 38	18					649.3	682.8	716.5	654.1	569.1	636	749.6	478.5	329.3	401.6	567.2	398.7	340.5	321.5
38	0.	232.8	220.7	200.8	153.3	380.6	411.3	457.7	464.2	440.9	473.7	522.3	361.2	257.9	305	380.9	306.7	276.9	261.7
38- 60	22	138.5	156.6	165.3	173.5	274.3	291.1	316.8	334.9	335.6	358.3	373.8	276.3	205	229.9	266.1	220	193.1	182.8
60- 80	20	77.4	99.5	118	145.4	177.6	186.4	196.1	214.6	225.8	239.4	246.7	191.6	149.6	157.9	159.9	131.8	118.7	112.1
80- 100	20	55.3	69.9	89.8	114.3	127.4	132.7	138.1	152	163.6	171	177.7	144.6	115.8	117.9	106	90.6	81.9	77
100- 125	25	45.2	54.2	71.3	86.1	93.9	98	102.8	109.7	119	127.8	122.8	113.4	91.3	84.1	75.8	65.6	60.5	57.5
125- 150	25	38.9	45.2	57.2	65.3	70.3	72.9	77.3	81.1	89.1	92	95	87.3	73.3	63.4	56.2	49.8	46.4	44.6
150- 175	25	34.8	38	47.3	51.4	55.7	57.3	60.7	61.9	68.1	70.8	74.8	68.5	62.8	50.3	44.1	39.8	37.2	36
175- 200	25	29.8	32.2	39.7	41.4	44.6	46.2	49.3	50.1	52.7	58.2	59.3	56.3	51.3	43.8	35.8	32.7	30.9	30
200- 225	25	25.7	28.4	33.5	34.5	36.5	37.8	40.4	42.4	42.9	48.9	48.7	46.5	40.6	37.8	29.9	27.6	26	25.5
225- 250	25	23	25.3	28.3	29.6	30.8	31.4	33.5	36.6	37.2	40.8	40	39.6	33.8	30	25.5	23.5	22.5	22
250- 275	25	21.8	22.4	24	25.8	26.5	26.8	28.1	31.6	32	33.1	33.6	33.9	28.9	25.7	22.1	20.5	19.6	19.3
275- 300	25	19.6	19.8	20.7	22.6	23.3	23.4	24.2	26.5	26.6	27.5	29	29.1	25.9	21.6	19.4	17.9	17.3	16.9
300- 325	25	17.4	17.5	17.9	20.2	20.6	20.8	21.2	22.5	22.6	23.8	25.6	25	23.8	18.8	17.2	16	15.3	15.1
325- 350	25	15.8	15.5	15.6	17.9	18.5	18.6	19	19.6	19.7	20.5	22.8	21.5	21.6	16.9	15.2	14.1	13.7	13.6
350- 375	25	14.2	13.8	13.7	15.9	16.6	16.8	17	17.4	17.3	18.1	20.4	18.8	19.3	15.7	13.7	12.8	12.4	12.3
375- 400	25	12.9	12.2	12.2	14.2	15	15.1	15.3	15.8	15.9	16.1	18	16.7	17	14.9	12.3	11.5	11.3	11.1
400- 425	25	11.4	10.9	10.9	12.5	13.3	13.5	13.6	14.2	14.4	14.3	15.5	15	14.6	13.3	11.3	10.5	10.3	10.2

Table 5, Continuation

Equivalent dose rate from JDisk and Toroid JDisk, Toroid, and Beam Pipe for T= 10y, t= 1d

R/Z, cm	dR\dZ	780	780-805	805-830	830-853	853	852-863	863-875	875-900	900-925	925-975	975-1025	1025-1125	1125-1225	1225-1275	1275-1325	1325-1340	1340-1350	1350
		0	25	25	23	0	10	12	25	25	50	50	100	100	50	50	15	10	0
0- 10	10																		
10- 20	15					2747.5	2529.7	2447.3	1814.3	1374.8	1685.9	2218	1225.6	812.1	997.8	1873.1	1064.9	865.8	795
20- 38	18					995.9	1023.8	1046.5	938	803.7	878.5	1020.4	653.1	458.7	570.4	827.9	653.4	612.1	607.3
38	0.	582.4	417.3	326.6	242.9	555.1	605.7	672.2	674.4	627.8	658.8	714.1	495.3	361.9	438.1	571.5	515.3	515.1	514
38- 60	22	346.3	303.9	271.9	264.9	402.4	429.1	464.4	488.4	480.5	501.6	514.7	380.8	290.1	335.1	407.8	377.6	365.8	365.6
60- 80	20	151.3	174.5	191.3	219.4	261.5	274	286.4	312.9	325.5	339.2	344.2	266.5	214.5	234.2	248.3	219.4	205.4	196.1
80- 100	20	81.7	109.2	139.9	170.1	186.5	194.9	202.3	222.6	236.9	243.3	250.6	203.3	167.2	175.9	162.6	140.3	124.5	113.6
100- 125	25	63.9	79.6	105.9	126.8	137.2	143.3	148.6	159.3	173	183.2	173.1	161.6	132.5	125	113.6	96.5	87	80.6
125- 150	25	54.4	64.8	82.2	94	101.1	105.3	112.1	117.5	128.4	132.5	135.9	125.2	107.2	93.9	82.1	71.7	65.2	61.3
150- 175	25	48.3	53.6	66.9	73.3	79.4	81.8	86.7	89.4	98.3	101.5	108.7	98.8	91.8	73.8	63.1	56.7	51.4	49.1
175- 200	25	41.1	45.2	56	58.6	63.7	65.9	70.1	71.8	76.5	84.5	85.9	82	75.2	64	50.7	46.3	42.1	40.6
200- 225	25	35.5	39.5	46.9	48	51.4	53.4	57.7	61.3	62.1	72.2	70.4	67.4	59.4	55.3	41.9	38.7	35.4	34.4
225- 250	25	31.6	35	39.8	40.9	42.5	43.8	47.4	53.8	54.1	59.9	58	56.8	49.8	43.4	35.5	32.8	30.3	29.8
250- 275	25	30	30.9	33.9	35.6	36.4	37.1	39.2	46.7	46.9	47.6	48.6	49.4	42.1	37	30.7	28.2	26.4	25.9
275- 300	25	26.8	27.1	29	31.4	32	32.4	33.4	38.6	38.8	38.8	41.7	43	37.2	30.9	27	24.6	23.4	22.9
300- 325	25	24.1	24	25	27.9	28.4	28.6	29.1	31.9	32.2	33.2	37.1	36.8	34.2	25.8	24	21.7	20.7	20.5
325- 350	25	21.7	21.1	21.7	24.9	25.5	25.6	26	27.4	27.6	29.3	33.5	31.4	31.5	23.3	21.3	19.2	18.5	18.3
350- 375	25	19.6	18.7	18.9	22.3	23	23.1	23.2	24.3	24.4	26.5	30.2	27.1	28.3	21.7	19.2	17.2	16.7	16.5
375- 400	25	17.5	16.7	16.7	19.9	20.8	20.9	21.1	22	22.5	24.1	26.8	23.8	24.9	20.7	17.3	15.6	15.2	15
400- 425	25	15.6	14.8	14.9	17.5	18.4	18.5	18.7	20	21	21.7	22.5	21	21.3	18.6	15.7	14.1	13.8	13.7

Table 5, Continuation

Equivalent dose rate from JDisk and Toroid JDisk, Toroid, and Beam Pipe for T= 10y, t=5d

R/Z, cm	dR\dZ	780	780-805	805-830	830-853	853	852-863	863-875	875-900	900-925	925-975	975-1025	1025-1125	1125-1225	1225-1275	1275-1325	1325-1340	1340-1350	1350
		0	25	25	23	0	10	12	25	25	50	50	100	100	50	50	15	10	0
0- 10	10																		
10- 20	15					1881.3	1752.8	1733.1	1305.2	999	1250.3	1660.1	912.3	594.5	720.2	1344.1	700.9	524.7	456.3
20- 38	18					658.9	691.7	726.8	662.7	576.6	644.5	758.6	482.7	331.6	404	570.5	402	343.4	324.5
38	0.	234.7	224.5	204.3	156.2	385.4	418	463.3	471.8	446.7	479.7	528.4	364.8	259.8	306.9	383.4	308.9	279.5	263.5
38- 60	22	141.6	159.7	168.4	176.1	278	295.6	321.3	340.1	340.2	362.8	378.2	278.8	206.5	231.3	268	221.5	194.6	184.3
60- 80	20	78.8	101.1	119.9	147.8	180.2	189	198.6	217.7	228.8	242.4	249.9	193.5	150.8	159	161	132.8	119.6	113
80- 100	20	56.3	71.1	91.1	116	129.2	134.8	140	154	165.6	173.1	179.9	146.1	116.7	118.7	106.7	91.4	82.4	77.6
100- 125	25	45.9	55	72.4	87.2	95.1	99.3	103.9	111.3	120.4	129.4	124.3	114.7	92.1	84.8	76.3	66.1	60.9	57.8
125- 150	25	39.5	45.8	58	66.3	71.3	73.9	78.2	82.2	90.3	93.2	96.1	88.2	74	63.9	56.6	50.1	46.7	45
150- 175	25	35.4	38.4	48	52.1	56.4	58.3	61.4	62.9	68.9	71.6	75.7	69.2	63.3	50.7	44.4	40.1	37.4	36.4
175- 200	25	30.3	32.6	40.4	42	45.2	46.8	49.9	50.8	53.4	58.9	60	56.9	51.7	44.3	36.1	33	31.1	30.3
200- 225	25	26.1	28.9	33.9	35	37.1	38.2	41	43	43.5	49.5	49.2	47.1	41	38.1	30.2	27.8	26.3	25.6
225- 250	25	23.3	25.6	28.6	30	31	31.9	33.8	37.1	37.6	41.2	40.5	39.9	34.1	30.3	25.7	23.8	22.6	22.3
250- 275	25	22	22.7	24.4	26.1	26.9	27.2	28.4	32.1	32.3	33.6	34.1	34.4	29.2	25.9	22.4	20.7	19.7	19.4
275- 300	25	19.7	20	21	23	23.5	23.8	24.5	26.9	27.1	27.8	29.4	29.5	26.2	21.9	19.6	18.1	17.4	17.2
300- 325	25	17.8	17.7	18.1	20.3	20.9	21.1	21.6	22.7	23	24	25.9	25.1	24.1	19	17.3	16.1	15.5	15.2
325- 350	25	16	15.7	15.8	18.1	18.8	18.9	19.1	19.8	19.8	20.8	23.1	21.6	21.9	17.1	15.5	14.3	13.8	13.7
350- 375	25	14.5	14	13.8	16.1	16.7	16.9	17.2	17.8	17.6	18.3	20.5	19	19.5	15.8	13.8	12.9	12.5	12.4
375- 400	25	13	12.4	12.3	14.4	15.1	15.3	15.5	15.9	16.1	16.2	18.3	16.9	17.1	15	12.4	11.6	11.3	11.2
400- 425	25	11.5	11.1	11	12.6	13.4	13.6	13.7	14.3	14.6	14.5	15.6	15.1	14.6	13.5	11.3	10.6	10.4	10.3

Table 5, Continuation

Equivalent dose rate from JDisk and Toroid JDisk, Toroid, and Beam Pipe for T= 100d, t=100d

R/Z, cm	dR\dZ	780	780-805	805-830	830-853	853	852-863	863-875	875-900	900-925	925-975	975-1025	1025-1125	1125-1225	1225-1275	1275-1325	1325-1340	1340-1350	1350
		0	25	25	23	0	10	12	25	25	50	50	100	100	50	50	15	10	0
0- 10	10																		
10- 20	15					414.6	365	327.7	236.4	177.3	227.5	315.5	169.4	104.7	126.4	236.1	130.3	103.2	93.2
20- 38	18					133.4	138.8	141.8	125.7	106.8	119.3	143.8	90.2	59.6	72.2	103.1	78.1	71.4	69.8
38	0.	56.1	43.1	34.7	26.6	70.3	78.9	89.1	90.5	84.3	89.8	99.9	68.1	47.2	55.4	70.4	61.4	59	57.2
38- 60	22	33.5	31.5	29.9	30.8	49.8	54.6	60.6	64.8	64.7	68.7	71.7	52.4	37.8	42.1	50	44.1	40.4	39.1
60- 80	20	15.9	19.3	22	26	32	34.2	36.4	41.1	43.3	46.3	47.7	36.3	27.8	29.5	30.2	25.4	23.3	22.1
80- 100	20	10	13	16.6	20.4	23	24.4	25.5	28.9	31.4	32.8	34.6	27.6	21.6	22.2	19.6	16.9	15.2	14
100- 125	25	8.1	9.8	12.8	15.5	16.9	17.9	19	20.5	22.8	24.6	23.2	21.9	17.1	15.5	14	11.9	10.8	10.2
125- 150	25	6.9	8.1	10.3	11.8	12.7	13.3	14.4	15	16.9	17.6	18.3	16.9	13.8	11.8	10.2	9	8.3	7.9
150- 175	25	6.1	6.9	8.5	9.2	10.1	10.4	11.2	11.6	12.8	13.3	14.6	13	12.2	9.3	8	7.1	6.7	6.3
175- 200	25	5.3	5.8	7.1	7.5	8.1	8.4	9.1	9.4	9.8	11.1	11.5	10.8	9.8	8.3	6.5	5.9	5.5	5.3
200- 225	25	4.6	5	6	6.2	6.5	6.7	7.5	7.8	8	9.5	9.3	9	7.5	7.1	5.4	4.9	4.6	4.6
225- 250	25	4.1	4.5	5.1	5.3	5.4	5.6	6.1	6.8	6.9	7.9	7.6	7.5	6.4	5.6	4.6	4.2	4	3.9
250- 275	25	3.9	3.9	4.4	4.7	4.7	4.8	5	6	6.1	6.2	6.5	6.5	5.3	4.6	4	3.8	3.5	3.4
275- 300	25	3.4	3.6	3.8	4	4.1	4.1	4.4	5.1	5	5.1	5.5	5.7	4.9	4	3.6	3.2	3	3
300- 325	25	3.1	3.1	3.2	3.6	3.7	3.7	3.8	4.1	4.1	4.3	5	4.7	4.5	3.5	3.2	2.8	2.7	2.7
325- 350	25	2.8	2.8	2.8	3.2	3.2	3.2	3.3	3.6	3.7	3.7	4.3	4	4.2	3.1	2.9	2.4	2.4	2.4
350- 375	25	2.6	2.4	2.4	2.8	3	3	3	3.2	3.2	3.4	3.8	3.6	3.7	3	2.5	2.2	2.2	2.2
375- 400	25	2.3	2.1	2.1	2.5	2.7	2.7	2.7	2.9	2.9	3	3.4	3.1	3.2	2.8	2.3	2	2	2
400- 425	25	2.1	1.9	2	2.3	2.4	2.4	2.4	2.5	2.7	2.7	2.9	2.8	2.8	2.5	2	1.9	1.9	1.8

Table 5, Continuation

Equivalent dose rate from JDisk and Toroid JDisk, Toroid, and Beam Pipe for T= 5y, t=100d

R/Z, cm	dR\dZ	779-781	780-805	805-830	830-853	853	852-863	863-875	875-900	900-925	925-975	975-1025	1025-1125	1125-1225	1225-1275	1275-1325	1325-1340	1340-1350	1350
		0	25	25	23	0	10	12	25	25	50	50	100	100	50	50	15	10	0
0- 10	10																		
10- 20	15					600.3	532.9	489.1	353.8	264.4	336.3	461.6	244.9	150.3	181.8	338.9	187.3	148.9	134.6
20- 38	18					197.6	205.5	210	186.4	158.3	176.2	210.6	130.5	85.6	103.9	148	113	103.1	101.1
38	0.	86.5	68.4	55.9	42	105.5	117.8	132.4	134.1	124.9	132.4	146.6	98.9	67.9	79.8	101.3	88.9	86.2	83.9
38- 60	22	51.8	49.6	47.1	47.7	75.3	81.8	90.5	96.3	95.6	101.1	104.9	76	54.5	60.9	72.2	63.7	58.8	57.3
60- 80	20	24.8	30	33.9	39.9	48.4	51.6	54.8	61	64.4	68.1	70.1	52.9	40.3	42.5	43.6	37	34	32.3
80- 100	20	15.3	19.9	25.4	31.2	34.8	36.8	38.4	43.1	46.5	48.3	50.7	40.1	31.5	32.1	28.6	24.6	21.9	20.4
100- 125	25	12.2	15	19.7	23.5	25.6	27	28.3	30.8	33.8	36.3	34.1	32	24.9	22.7	20.2	17.3	15.8	14.8
125- 150	25	10.5	12.3	15.5	17.7	19	20	21.5	22.5	25	26	26.9	24.4	20.4	17.1	14.9	13.2	12.2	11.6
150- 175	25	9.4	10.2	12.7	13.9	15	15.6	16.7	17.1	19.2	19.7	21.4	19.1	17.8	13.6	11.7	10.5	9.8	9.3
175- 200	25	8.1	8.8	10.8	11.2	12.1	12.6	13.5	13.8	14.8	16.5	16.9	15.8	14.4	12.1	9.4	8.6	8.1	7.8
200- 225	25	6.9	7.7	9	9.2	9.8	10.2	11.1	11.9	11.9	13.9	13.5	13.1	11	10.5	7.9	7.3	6.8	6.6
225- 250	25	6.1	6.7	7.6	7.9	8.3	8.4	9.1	10.3	10.4	11.7	11.2	11.1	9.2	8.1	6.7	6.2	5.8	5.7
250- 275	25	5.8	6	6.5	6.9	7	7.1	7.5	8.9	9.1	9.2	9.5	9.5	7.9	6.9	5.9	5.4	5.1	4.9
275- 300	25	5.2	5.3	5.6	6	6.2	6.3	6.5	7.4	7.4	7.5	8.3	8.1	7.3	5.9	5.2	4.7	4.5	4.5
300- 325	25	4.7	4.7	4.8	5.4	5.5	5.5	5.6	6.3	6.1	6.4	7.1	7	6.8	5	4.5	4.1	4	4
325- 350	25	4.2	4.1	4.2	4.8	4.8	4.8	5	5.3	5.2	5.7	6.4	6	6.1	4.5	4	3.7	3.7	3.5
350- 375	25	3.8	3.7	3.6	4.2	4.4	4.5	4.5	4.7	4.7	4.9	5.7	5.2	5.4	4.3	3.7	3.3	3.3	3.2
375- 400	25	3.5	3.2	3.3	3.8	3.9	4	4.1	4.2	4.5	4.5	5.1	4.6	4.6	4.2	3.3	3.1	3	3
400- 425	25	3	2.9	3	3.3	3.5	3.6	3.7	4	4	4	4.3	4.1	4	3.6	3.1	2.6	2.6	2.6

Table 5, Continuation

Equivalent dose rate from JDisk and Toroid JDisk, Toroid, and Beam Pipe for T= 10y, t=100d

R/Z, cm	dR\dZ	779-781	780-805	805-830	830-853	853	852-863	863-875	875-900	900-925	925-975	975-1025	1025-1125	1125-1225	1225-1275	1275-1325	1325-1340	1340-1350	1350
		0	25	25	23	0	10	12	25	25	50	50	100	100	50	50	15	10	0
0- 10	10																		
10- 20	15					640.7	566.4	519.6	375.3	279.3	353.3	483	253.7	154.4	186.3	347	192.3	152.8	138.5
20- 38	18					209.4	217.8	222.5	197.7	167.3	185.2	220.2	135.4	87.9	106.6	151.9	116.1	106.4	104.2
38	0.	91	73.2	60.1	45.2	111.7	124.7	140.4	141.7	131.8	139.3	153.1	102.8	69.9	82	104.1	91.6	88.4	86.4
38- 60	22	54.3	52.7	50.4	50.6	79.9	86.7	95.6	101.9	101	106.4	109.6	79	56.5	62.4	74.1	65.6	60.3	58.8
60- 80	20	26.1	31.7	36	42.3	51.4	54.6	57.8	64.4	67.9	71.6	73.3	55	41.8	43.7	44.8	37.9	34.9	33.2
80- 100	20	16.2	21	26.9	33	36.6	38.7	40.5	45.3	48.9	50.8	53.1	41.7	32.5	33	29.4	25.2	22.6	20.9
100- 125	25	13	15.9	20.9	24.8	27	28.5	30	32.4	35.5	38.2	35.7	33.3	25.8	23.4	20.7	17.8	16.3	15.3
125- 150	25	11.1	13	16.5	18.7	20.1	21.1	22.6	23.7	26.4	27.2	28.1	25.5	21	17.6	15.4	13.6	12.6	12
150- 175	25	9.9	10.9	13.5	14.7	16	16.5	17.7	18.1	20	20.7	22.4	19.9	18.4	14	12.1	10.9	10.1	9.8
175- 200	25	8.4	9.1	11.3	11.8	12.8	13.2	14.2	14.5	15.4	17.3	17.5	16.7	14.9	12.6	9.8	8.9	8.3	8.1
200- 225	25	7.3	8.1	9.5	9.8	10.4	10.8	11.7	12.4	12.6	14.6	14.2	13.8	11.5	10.9	8.2	7.6	7.1	6.9
225- 250	25	6.5	7.1	8	8.4	8.7	8.9	9.5	10.9	10.8	12.1	11.7	11.6	9.6	8.3	6.9	6.4	6	6
250- 275	25	6.2	6.3	6.9	7.3	7.5	7.6	8.1	9.5	9.4	9.7	9.9	10	8.2	7.2	6	5.6	5.3	5.3
275- 300	25	5.4	5.5	5.9	6.4	6.5	6.6	6.9	7.7	7.7	8	8.5	8.6	7.5	6	5.3	4.9	4.6	4.6
300- 325	25	4.9	5	5	5.6	5.7	5.8	5.9	6.5	6.5	6.7	7.4	7.2	7	5.2	4.7	4.2	4.1	4.1
325- 350	25	4.5	4.4	4.3	5	5.2	5.2	5.3	5.6	5.7	5.9	6.8	6.3	6.4	4.6	4.2	3.8	3.8	3.6
350- 375	25	3.9	3.9	3.7	4.5	4.7	4.7	4.7	4.8	4.9	5.3	6	5.4	5.6	4.4	3.8	3.4	3.4	3.4
375- 400	25	3.6	3.3	3.4	4	4.3	4.3	4.2	4.3	4.7	4.8	5.2	4.8	4.8	4.3	3.4	3.2	3	3
400- 425	25	3.2	3	3.1	3.5	3.6	3.7	3.9	4.1	4.1	4.2	4.4	4.2	4.2	3.8	3.1	2.9	2.7	2.7