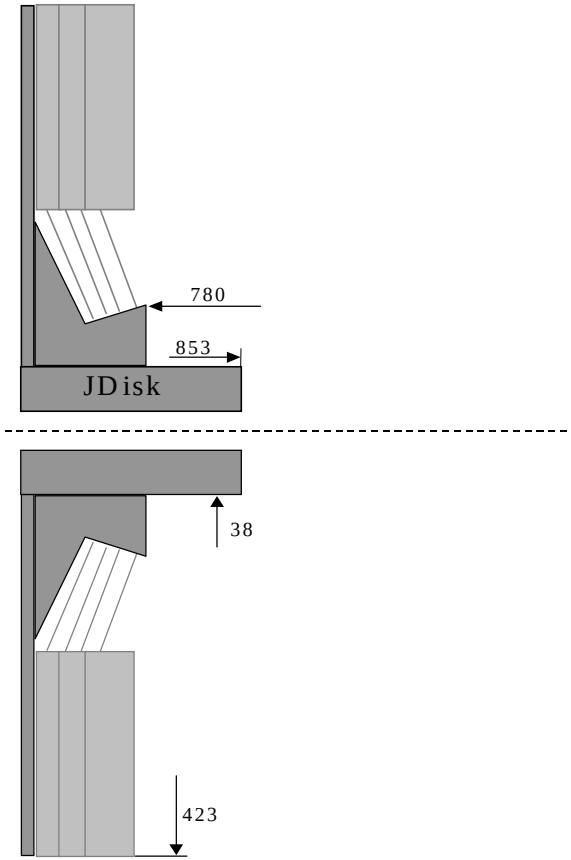

Fig.4. To dose rate calculation from JDisk in access scenario to the area between JDisk and Toroid.

Table 9

Equivalent dose rate resulted from activation of JD by high-energy hadrons 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					1011.6	743.1	415.8	187.5	80.4	36.9	18.3	8.7	4.1	1.5				
10- 20	15					801.4	577.9	333.7	163.8	71.1	32	16.1	7.8	3.7	1.4				
20- 38	18					209.9	201.5	169.1	116	65.8	31.2	15.3	8.2	4	1.5				
38	0.	153.8	191	189.4	144.7	103.9	104.3	101.8	86.5	59.4	31.4	14.4	8.4	4.3	1.6				
38- 60	22	85.8	119.3	126.4	93.1	74.7	75	71	63.6	48.3	31.4	13.8	8	4.5	1.7				
60- 80	20	40.6	58.7	63.7	50.5	45.3	46.2	42.6	40.4	33.9	23.9	16.8	6.4	4.5	1.8				
80- 100	20	25.5	33.6	36.2	32.1	30.1	31	28	27.3	25.1	18.1	15.2	6.9	3.8	1.8				
100- 125	25	16.6	20.4	22.3	19.8	19.9	21.5	21	18.5	17.3	16.1	8.5	9	2.3	1.5				
125- 150	25	12.3	13.3	14.6	13.3	13.5	14.2	14.4	13	14	10.5	9.9	7	3.2	0.7				
150- 175	25	8.7	8.8	10.6	9	10.1	10.8	11.2	8.9	10.3	8.6	8	4.5	5.8	0.5				
175- 200	25	6.1	6.4	8.3	6.3	7.2	8	9.1	7.4	6.6	7.9	5.7	4.2	4.8	2.5				
200- 225	25	4.8	5.1	6.4	4.9	5.2	5.7	6.9	6.5	4.9	6.4	4.6	3.9	2.5	2.9				
225- 250	25	4.2	4.2	4.8	4.2	4.2	4.4	5.1	5.4	4.2	4.9	4.2	4	1.5	1.2				
250- 275	25	3.8	3.6	3.5	3.7	3.7	3.7	4	4.4	3.7	4	3.7	3.7	1.2	0.8				
275- 300	25	3.4	3.1	2.6	3.3	3.4	3.3	3.4	3.5	3	3.4	3.3	3	1.8	0.2				
300- 325	25	3	2.5	1.8	2.9	3.1	3.1	3.1	3	2.4	2.8	3.2	2.2	2.4	0.1				
325- 350	25	2.7	2.1	1.2	2.6	2.9	2.9	2.8	2.7	2	2.3	3	1.8	2.6	0.4				
350- 375	25	2.4	1.7	0.8	2.2	2.6	2.6	2.6	2.6	1.7	1.7	2.7	1.5	2.5	0.9				
375- 400	25	2.1	1.3	0.5	1.9	2.3	2.4	2.5	2.4	1.7	1.3	2.4	1.5	2	1.3				
400- 425	25	1.6	0.9	0.3	1.4	1.9	2	2.1	2	1.5	0.8	1.8	1.3	1.3	1.2				

Table 9, Continuation

Equivalent dose rate resulted from activation of JD by high-energy hadrons 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					638.4	469	260.6	118.2	50.4	23.3	11.6	5.5	2.6	1				
10- 20	15					506.7	363.6	209	103.2	45.1	20.3	10.1	4.9	2.3	0.9				
20- 38	18					133.6	127.2	107.2	73.4	41.6	19.7	9.6	5.2	2.5	0.9				
38	0.	97.3	117.9	117.1	90.2	65	65.9	64.1	54.8	37.5	19.9	9.1	5.3	2.7	1				
38- 60	22	54.4	74.4	78.6	58	46.6	47.1	44.7	40.1	30.5	19.8	8.7	5.1	2.8	1.1				
60- 80	20	25.2	36.5	39.6	31.4	28.3	28.9	26.7	25.4	21.2	15.1	10.6	4	2.9	1.1				
80- 100	20	16	20.9	22.5	20.1	18.8	19.4	17.5	17.1	15.8	11.4	9.6	4.3	2.4	1.1				
100- 125	25	10.3	12.6	13.9	12.3	12.4	13.5	13.1	11.5	10.9	10.1	5.4	5.7	1.5	0.9				
125- 150	25	7.7	8.3	9.1	8.3	8.4	8.8	9	8.1	8.8	6.6	6.2	4.4	2	0.4				
150- 175	25	5.5	5.5	6.7	5.6	6.3	6.7	7	5.5	6.4	5.4	5.1	2.8	3.7	0.3				
175- 200	25	3.8	4	5.1	3.9	4.5	5	5.7	4.6	4.1	4.9	3.6	2.6	3	1.6				
200- 225	25	3	3.2	4	3	3.3	3.6	4.3	4	3.1	4	2.9	2.5	1.6	1.8				
225- 250	25	2.6	2.6	3	2.6	2.6	2.7	3.2	3.4	2.6	3.1	2.6	2.5	0.9	0.8				
250- 275	25	2.3	2.2	2.2	2.3	2.3	2.3	2.5	2.7	2.3	2.5	2.3	2.3	0.7	0.5				
275- 300	25	2.1	1.9	1.6	2	2.1	2.1	2.1	2.2	1.9	2.1	2.1	1.8	1.1	0.1				
300- 325	25	1.9	1.6	1.1	1.8	1.9	1.9	1.9	1.9	1.5	1.8	2	1.4	1.5	0.1				
325- 350	25	1.7	1.3	0.8	1.6	1.8	1.8	1.8	1.7	1.2	1.4	1.9	1.1	1.7	0.3				
350- 375	25	1.5	1	0.5	1.4	1.6	1.6	1.6	1.6	1.1	1.1	1.7	1	1.6	0.6				
375- 400	25	1.3	0.8	0.3	1.2	1.4	1.5	1.5	1.5	1.1	0.8	1.5	0.9	1.3	0.8				
400- 425	25	1	0.6	0.2	0.8	1.2	1.2	1.3	1.3	1	0.5	1.1	0.8	0.8	0.8				

Table 9, Continuation

Equivalent dose rate resulted from activation of JD by high-energy hadrons 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					1531.2	1117.5	627.9	282.1	120.1	55.4	27.3	13	6.1	2.3				
10- 20	15					1209.4	867.8	503	246.3	105.7	47.8	23.9	11.6	5.5	2				
20- 38	18					306.5	296.5	253	173.3	98.4	46.7	22.9	12.3	6	2.2				
38	0.					137.4	145.4	148.6	128.7	88.1	47	21.6	12.6	6.4	2.4				
38- 60	22	115	151.3	156.4	114.8	95.8	100	100.2	92.5	71.5	46.6	20.3	12	6.7	2.5				
60- 80	20	51.7	73.6	79	62.7	57.6	60.4	57	56.4	48.7	35.2	24.8	9.4	6.7	2.7				
80- 100	20	31.4	41.6	45.1	40	38.2	40.1	37.1	37.3	35.1	25.7	22.6	10	5.6	2.7				
100- 125	25	20.4	25.3	27.9	24.8	25.2	27.6	27.4	24.6	24	22.8	11.8	13.4	3.3	2.1				
125- 150	25	15.2	16.6	18.2	16.6	17	18.1	19.1	17	19.1	14.6	14	10.1	4.6	1				
150- 175	25	10.8	10.9	13.3	11.3	12.7	13.7	14.6	11.6	13.8	11.7	11.7	6	8.7	0.7				
175- 200	25	7.5	8	10.3	7.8	9	10.1	11.8	9.6	8.6	10.7	8	5.9	7	3.7				
200- 225	25	6	6.3	7.9	6.1	6.5	7.2	8.9	8.5	6.3	8.7	6.1	5.7	3.3	4.3				
225- 250	25	5.1	5.2	6	5.2	5.2	5.5	6.6	7.2	5.4	6.7	5.6	5.7	2	1.5				
250- 275	25	4.6	4.4	4.4	4.6	4.6	4.7	5.1	5.8	4.7	5.3	5.1	5.1	1.7	1.1				
275- 300	25	4.1	3.8	3.2	4.1	4.1	4.1	4.3	4.7	3.9	4.3	4.7	4	2.6	0.2				
300- 325	25	3.7	3.1	2.3	3.7	3.8	3.8	3.8	4	3.2	3.6	4.4	3	3.5	0.2				
325- 350	25	3.3	2.6	1.5	3.2	3.5	3.5	3.5	3.6	2.6	2.9	4.1	2.4	3.8	0.6				
350- 375	25	3	2.1	1	2.8	3.2	3.3	3.3	3.3	2.4	2.2	3.6	2.1	3.4	1.4				
375- 400	25	2.6	1.6	0.7	2.3	2.9	3	3	3.1	2.3	1.6	3.1	2	2.7	2				
400- 425	25	1.9	1.1	0.4	1.7	2.3	2.5	2.5	2.6	2	1.1	2.3	1.9	1.7	1.7				

Table 9, Continuation

Equivalent dose rate resulted from activation of JD by high-energy hadrons 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					1139.7	838.9	467.8	210.2	88.2	41.2	20.3	9.7	4.6	1.7				
10- 20	15					923.6	651.8	374.6	181.2	79.2	35.4	17.8	8.6	4.1	1.5				
20- 38	18					225.9	219.9	188	129.3	73.3	34.7	17	9.1	4.4	1.7				
38	0.	145.7	161.1	157.2	122	97.4	104.9	108.6	95.1	65.9	34.9	15.9	9.4	4.7	1.8				
38- 60	22	80.6	103.4	105.7	78.5	68.1	72.1	72.6	68.1	53	34.6	15	8.9	5	1.9				
60- 80	20	35.6	50.4	54	42.9	39.9	42.4	40.6	40.9	35.6	26	18.3	6.9	5	2				
80- 100	20	21.5	28.4	30.9	27.4	26.5	28.1	26.2	26.7	25.3	18.8	16.8	7.4	4.2	2				
100- 125	25	13.9	17.2	19.1	17	17.4	19.3	19.2	17.4	17.2	16.5	8.5	9.9	2.4	1.6				
125- 150	25	10.4	11.3	12.4	11.3	11.6	12.5	13.3	11.9	13.6	10.7	10.2	7.4	3.4	0.7				
150- 175	25	7.3	7.5	9	7.7	8.7	9.4	10.2	8.1	9.8	8.4	8.6	4.3	6.4	0.5				
175- 200	25	5.1	5.4	7	5.4	6.2	6.9	8.2	6.7	6.1	7.6	5.8	4.2	5.1	2.8				
200- 225	25	4	4.3	5.4	4.1	4.5	4.9	6.2	5.9	4.4	6.3	4.3	4.2	2.3	3.2				
225- 250	25	3.5	3.6	4.1	3.5	3.6	3.8	4.6	5	3.7	4.8	4	4.1	1.4	1				
250- 275	25	3.1	3	3	3.1	3.1	3.2	3.6	4.1	3.2	3.7	3.7	3.7	1.2	0.7				
275- 300	25	2.8	2.6	2.2	2.8	2.8	2.8	3	3.3	2.8	3	3.4	2.8	1.9	0.2				
300- 325	25	2.5	2.1	1.5	2.5	2.6	2.6	2.6	2.8	2.2	2.5	3.2	2.1	2.6	0.1				
325- 350	25	2.3	1.7	1.1	2.2	2.4	2.4	2.4	2.5	1.9	2	2.9	1.7	2.8	0.4				
350- 375	25	2	1.4	0.7	1.9	2.2	2.2	2.2	2.3	1.7	1.5	2.5	1.5	2.5	1				
375- 400	25	1.7	1.1	0.5	1.6	2	2	2.1	2.1	1.6	1.1	2.2	1.5	1.9	1.4				
400- 425	25	1.3	0.8	0.3	1.2	1.6	1.7	1.7	1.8	1.5	0.8	1.6	1.4	1.2	1.2				

Table 9, Continuation

Equivalent dose rate resulted from activation of JD by high-energy hadrons 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					1690.6	1242.4	691.5	310.9	130.7	61.1	30.1	14.3	6.8	2.5				
10- 20	15					1355.7	960.7	554.4	272	118.4	52.6	26.4	12.8	6	2.2				
20- 38	18					336.4	327.3	277.9	191.9	108.5	51.5	25.2	13.5	6.6	2.4				
38	0.	219.5	254.5	248.3	190.9	149.9	159.9	162	140.7	96.7	51.8	23.8	13.9	7	2.6				
38- 60	22	124.1	162.7	167.8	122.9	104.5	109.7	110	101.5	78.7	51.3	22.4	13.2	7.3	2.8				
60- 80	20	55.5	79	85.1	67.2	62.2	65.4	61.9	61.7	53.4	38.7	27.3	10.3	7.4	2.9				
80- 100	20	33.9	44.7	48.4	43	41	43.4	40.1	40.6	38.3	28.2	24.8	11	6.2	2.9				
100- 125	25	22	27.2	29.9	26.6	27	29.7	29.6	26.7	26.1	24.9	12.9	14.7	3.7	2.4				
125- 150	25	16.3	17.7	19.4	17.8	18.2	19.4	20.7	18.3	20.8	16.1	15.3	11.1	5.1	1.1				
150- 175	25	11.6	11.8	14.3	12	13.6	14.7	15.9	12.6	15	12.7	12.8	6.5	9.5	0.8				
175- 200	25	8.1	8.5	11	8.4	9.6	10.8	12.7	10.4	9.4	11.6	8.7	6.4	7.7	4.1				
200- 225	25	6.4	6.8	8.5	6.5	7	7.7	9.6	9.2	6.8	9.5	6.6	6.3	3.6	4.7				
225- 250	25	5.5	5.6	6.5	5.5	5.6	5.9	7.1	7.8	5.8	7.3	6.1	6.2	2.1	1.6				
250- 275	25	5	4.8	4.8	4.9	4.9	5	5.5	6.3	5.1	5.7	5.6	5.5	1.9	1.1				
275- 300	25	4.5	4	3.4	4.4	4.4	4.4	4.6	5.1	4.3	4.7	5.1	4.3	2.9	0.3				
300- 325	25	4	3.4	2.4	3.9	4.1	4.1	4.1	4.3	3.5	3.8	4.8	3.2	3.8	0.2				
325- 350	25	3.6	2.7	1.7	3.5	3.8	3.8	3.8	3.8	2.9	3.1	4.4	2.6	4.1	0.7				
350- 375	25	3.2	2.2	1.1	3	3.5	3.5	3.5	3.5	2.6	2.4	3.9	2.3	3.8	1.5				
375- 400	25	2.7	1.7	0.7	2.5	3.1	3.2	3.3	3.3	2.5	1.8	3.3	2.2	2.9	2.1				
400- 425	25	2.1	1.2	0.4	1.8	2.5	2.6	2.7	2.8	2.2	1.2	2.5	2.1	1.9	1.9				

Table 9, Continuation

Equivalent dose rate resulted from activation of JD by high-energy hadrons 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					1331.3	983.6	544.8	245	102.6	47.9	23.5	11.2	5.3	2				
10- 20	15					1067.1	762.7	435.2	211.7	91	41.1	20.6	9.9	4.7	1.7				
20- 38	18					260.7	255.3	217.6	150.2	85	40.2	19.7	10.6	5.1	1.9				
38	0.	165.7	181.7	175.4	136	111.6	120.3	127	109.6	76.4	40.6	18.6	10.9	5.5	2				
38- 60	22	91.4	116.5	118.7	87.8	76.7	81.7	84	78.6	61.5	40.1	17.4	10.3	5.7	2.2				
60- 80	20	40	56.7	60.5	47.9	44.9	48.1	46.2	46.9	41.1	30.1	21.2	8	5.8	2.3				
80- 100	20	24	31.8	34.6	30.6	29.6	31.5	29.6	30.6	29.2	21.6	19.4	8.5	4.8	2.3				
100- 125	25	15.5	19.4	21.3	19.1	19.6	21.6	21.8	19.8	19.9	19.1	9.7	11.5	2.8	1.8				
125- 150	25	11.5	12.6	13.9	12.7	13	14.1	15.3	13.5	15.6	12.2	11.7	8.5	3.9	0.8				
150- 175	25	8.2	8.4	10.1	8.6	9.8	10.5	11.6	9.2	11.1	9.5	9.9	4.8	7.5	0.6				
175- 200	25	5.7	6.1	7.8	6	6.9	7.8	9.3	7.6	6.9	8.7	6.6	4.9	5.9	3.2				
200- 225	25	4.5	4.8	6.1	4.6	5	5.6	7	6.8	4.9	7.2	4.9	4.9	2.6	3.7				
225- 250	25	3.9	4	4.6	3.9	4	4.2	5.2	5.7	4.2	5.5	4.5	4.8	1.6	1.2				
250- 275	25	3.5	3.4	3.4	3.5	3.5	3.5	4	4.7	3.7	4.2	4.2	4.2	1.4	0.8				
275- 300	25	3.2	2.9	2.5	3.1	3.1	3.1	3.3	3.8	3.1	3.4	3.9	3.2	2.2	0.2				
300- 325	25	2.8	2.4	1.7	2.8	2.9	2.9	2.9	3.2	2.6	2.8	3.6	2.4	3	0.2				
325- 350	25	2.5	2	1.2	2.5	2.7	2.7	2.7	2.8	2.2	2.2	3.3	1.9	3.2	0.5				
350- 375	25	2.2	1.6	0.8	2.1	2.4	2.5	2.5	2.6	1.9	1.7	2.9	1.7	2.8	1.2				
375- 400	25	2	1.2	0.5	1.8	2.2	2.3	2.3	2.4	1.9	1.3	2.4	1.7	2.2	1.7				
400- 425	25	1.5	0.8	0.3	1.3	1.8	1.9	1.9	2	1.7	0.9	1.8	1.6	1.4	1.4				

Table 9, Continuation

Equivalent dose rate resulted from activation of JD by high-energy hadrons 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					1750	1272.6	707.3	318.7	132.3	62.4	30.8	14.7	6.9	2.6				
10- 20	15					1381.8	983	567.3	276.3	121	53.6	26.9	13	6.1	2.3				
20- 38	18					344	333.4	284.1	194.7	111	52.6	25.8	13.8	6.7	2.5				
38	0.	229.5	257.3	248.3	190.9	149.9	160.8	168.6	145.7	100.2	52.9	24.2	14.2	7.2	2.7				
38- 60	22	126.6	164.2	168.1	123.7	106.1	111.9	112.2	104.6	80.2	52.3	22.8	13.5	7.5	2.8				
60- 80	20	55.8	79.3	85.4	67.5	62.5	65.9	62.8	62.7	54.4	39.5	27.8	10.5	7.6	3				
80- 100	20	33.9	44.9	48.7	43.2	41.4	43.7	40.6	41.1	38.9	28.6	25.4	11.2	6.3	3				
100- 125	25	22	27.3	30.1	26.8	27.2	30	29.9	26.9	26.5	25.3	13	15	3.7	2.4				
125- 150	25	16.3	17.8	19.5	17.8	18.3	19.7	20.8	18.5	21.1	16.3	15.6	11.3	5.2	1.1				
150- 175	25	11.7	11.8	14.3	12.1	13.7	14.8	16	12.7	15.1	12.9	13	6.6	9.7	0.8				
175- 200	25	8.1	8.6	11.1	8.5	9.8	10.9	12.8	10.5	9.5	11.7	8.9	6.5	7.8	4.2				
200- 225	25	6.4	6.8	8.5	6.6	7	7.8	9.7	9.3	6.8	9.6	6.7	6.4	3.6	4.9				
225- 250	25	5.5	5.6	6.5	5.6	5.6	5.9	7.2	7.9	5.8	7.4	6.2	6.3	2.2	1.6				
250- 275	25	5	4.8	4.8	4.9	4.9	5	5.6	6.4	5.1	5.8	5.7	5.6	1.9	1.1				
275- 300	25	4.5	4	3.5	4.4	4.5	4.5	4.7	5.2	4.3	4.7	5.2	4.4	2.9	0.3				
300- 325	25	4	3.4	2.5	4	4.1	4.1	4.1	4.4	3.5	3.9	4.9	3.3	3.9	0.2				
325- 350	25	3.6	2.7	1.7	3.5	3.8	3.8	3.8	3.9	2.9	3.1	4.5	2.6	4.2	0.7				
350- 375	25	3.2	2.2	1.1	3	3.5	3.5	3.5	3.6	2.6	2.4	4	2.3	3.8	1.5				
375- 400	25	2.7	1.7	0.7	2.5	3.1	3.2	3.3	3.3	2.5	1.8	3.4	2.3	3	2.2				
400- 425	25	2.1	1.2	0.4	1.9	2.5	2.6	2.7	2.8	2.3	1.2	2.5	2.1	1.9	1.9				

Table 9, Continuation

Equivalent dose rate resulted from activation of JD by high-energy hadrons 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					1356.3	992.2	553.3	248.3	103.9	48.7	23.9	11.3	5.4	2				
10- 20	15					1088.7	777.2	443.7	217.1	94.5	41.7	20.9	10.2	4.8	1.8				
20- 38	18					265.2	258.6	221.2	152.4	86.5	41	20.1	10.8	5.2	1.9				
38	0.	165.7	182.3	175.4	136.8	111.9	123.1	128.6	112.8	77.6	41.1	18.9	11.1	5.6	2.1				
38- 60	22	92.9	117.5	119.3	88	77.4	83	85.1	80.3	62.5	40.7	17.7	10.5	5.8	2.2				
60- 80	20	40.4	57	60.9	48.3	45.5	48.6	46.6	47.7	41.7	30.6	21.7	8.1	5.9	2.3				
80- 100	20	24.2	32.1	34.9	30.8	29.8	32	29.9	30.9	29.5	21.9	19.7	8.7	4.9	2.3				
100- 125	25	15.6	19.5	21.5	19.2	19.7	21.8	21.9	20.1	20.1	19.3	9.9	11.7	2.8	1.9				
125- 150	25	11.6	12.7	14	12.8	13.2	14.3	15.3	13.6	15.8	12.4	11.8	8.7	4	0.8				
150- 175	25	8.3	8.4	10.2	8.7	9.9	10.7	11.7	9.3	11.3	9.6	10.1	4.9	7.6	0.6				
175- 200	25	5.8	6.1	7.9	6.1	7	7.8	9.3	7.7	7	8.8	6.7	5	6	3.3				
200- 225	25	4.5	4.9	6.1	4.7	5.1	5.6	7.1	6.8	5	7.3	4.9	5	2.6	3.8				
225- 250	25	3.9	4	4.6	4	4	4.3	5.2	5.8	4.2	5.5	4.6	4.8	1.6	1.2				
250- 275	25	3.5	3.4	3.4	3.5	3.5	3.6	4	4.7	3.7	4.3	4.3	4.3	1.5	0.8				
275- 300	25	3.2	2.9	2.5	3.1	3.2	3.2	3.4	3.8	3.2	3.4	4	3.3	2.3	0.2				
300- 325	25	2.9	2.4	1.8	2.8	2.9	2.9	3	3.2	2.6	2.8	3.7	2.4	3	0.2				
325- 350	25	2.5	2	1.2	2.5	2.7	2.7	2.7	2.8	2.2	2.2	3.4	1.9	3.2	0.5				
350- 375	25	2.3	1.6	0.8	2.1	2.5	2.5	2.5	2.6	2	1.7	2.9	1.7	2.9	1.2				
375- 400	25	2	1.2	0.5	1.8	2.2	2.3	2.3	2.4	1.9	1.3	2.5	1.7	2.2	1.7				
400- 425	25	1.5	0.9	0.3	1.3	1.8	1.9	1.9	2	1.7	0.9	1.8	1.6	1.4	1.5				

Table 9, Continuation

Equivalent dose rate resulted from activation of JD by high-energy hadrons 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					339.4	249.8	138.3	61.7	25.5	12.1	5.9	2.8	1.3	0.5				
10- 20	15					270.8	194.5	109.9	53.5	23.1	10.2	5.2	2.5	1.2	0.4				
20- 38	18					62.2	62	54.2	37.7	21.4	10.1	5	2.7	1.3	0.5				
38	0.	33	30.5	27.1	21.6	22.7	27.2	30.5	27.6	19.1	10	4.6	2.7	1.4	0.5				
38- 60	22	18.2	19.9	18.8	14	14.5	17.2	19.1	18.9	15.2	9.9	4.3	2.6	1.4	0.5				
60- 80	20	7	9.5	10	7.8	8	9.2	9.4	10.5	9.6	7.3	5.2	1.9	1.4	0.6				
80- 100	20	3.8	5.2	5.8	5	5.1	5.9	5.8	6.5	6.6	5	4.8	2.1	1.2	0.6				
100- 125	25	2.5	3.1	3.5	3.2	3.3	3.9	4.2	4	4.4	4.3	2.1	2.8	0.6	0.4				
125- 150	25	1.8	2	2.3	2.1	2.2	2.5	3	2.6	3.3	2.8	2.7	2	0.9	0.2				
150- 175	25	1.3	1.4	1.6	1.4	1.6	1.8	2.2	1.8	2.3	2	2.4	1	1.9	0.1				
175- 200	25	0.9	1	1.3	1	1.2	1.3	1.7	1.5	1.4	1.8	1.5	1.1	1.4	0.8				
200- 225	25	0.7	0.8	1	0.8	0.8	0.9	1.3	1.3	0.9	1.6	1	1.2	0.5	0.9				
225- 250	25	0.6	0.6	0.8	0.6	0.6	0.7	0.9	1.1	0.7	1.2	0.9	1.1	0.3	0.2				
250- 275	25	0.6	0.5	0.6	0.6	0.6	0.6	0.7	0.9	0.7	0.8	0.9	0.9	0.3	0.1				
275- 300	25	0.5	0.5	0.4	0.5	0.5	0.5	0.6	0.8	0.6	0.6	0.9	0.7	0.5	0				
300- 325	25	0.4	0.4	0.3	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.8	0.5	0.7	0				
325- 350	25	0.4	0.3	0.2	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.7	0.4	0.7	0.1				
350- 375	25	0.4	0.2	0.1	0.3	0.4	0.4	0.4	0.5	0.4	0.3	0.6	0.4	0.6	0.3				
375- 400	25	0.3	0.2	0.1	0.3	0.4	0.4	0.4	0.4	0.4	0.2	0.5	0.4	0.4	0.4				
400- 425	25	0.2	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3				

Table 9, Continuation

Equivalent dose rate resulted from activation of JD by high-energy hadrons for T= 5y, 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					478.4	351.3	195	87.1	35.8	16.9	8.3	3.9	1.8	0.7				
10- 20	15					380	272.3	157	75.4	32.3	14.4	7.2	3.5	1.6	0.6				
20- 38	18					88.1	87.7	76.3	52.9	30.1	14.1	7	3.7	1.8	0.7				
38	0.	47	45	40.4	31.5	32.2	38.6	43.2	38.9	27	14.2	6.5	3.8	1.9	0.7				
38- 60	22	25.7	29.2	27.9	20.7	21	24.4	27.1	26.8	21.3	13.9	6	3.6	2	0.8				
60- 80	20	10.2	14	14.6	11.5	11.6	13.3	13.7	14.9	13.7	10.3	7.4	2.7	2	0.8				
80- 100	20	5.7	7.7	8.5	7.4	7.5	8.6	8.4	9.3	9.3	7	6.8	2.9	1.7	0.8				
100- 125	25	3.7	4.7	5.2	4.7	4.9	5.7	6	5.8	6.2	6.2	3	4	0.9	0.6				
125- 150	25	2.7	3	3.4	3.1	3.2	3.7	4.3	3.7	4.7	3.9	3.8	2.8	1.3	0.3				
150- 175	25	1.9	2	2.4	2.1	2.4	2.7	3.2	2.6	3.3	2.9	3.4	1.4	2.6	0.2				
175- 200	25	1.4	1.5	1.9	1.5	1.7	2	2.5	2.1	2	2.6	2.1	1.6	2	1.1				
200- 225	25	1.1	1.2	1.5	1.1	1.2	1.4	1.9	1.9	1.3	2.2	1.4	1.7	0.7	1.3				
225- 250	25	0.9	0.9	1.1	0.9	1	1	1.4	1.6	1.1	1.7	1.3	1.6	0.4	0.3				
250- 275	25	0.8	0.8	0.8	0.8	0.8	0.8	1	1.3	1	1.2	1.3	1.3	0.5	0.2				
275- 300	25	0.7	0.7	0.6	0.7	0.7	0.7	0.8	1.1	0.9	0.9	1.3	1	0.8	0.1				
300- 325	25	0.7	0.6	0.4	0.7	0.7	0.7	0.7	0.9	0.7	0.7	1.1	0.7	1	0.1				
325- 350	25	0.6	0.5	0.3	0.6	0.6	0.6	0.6	0.8	0.6	0.6	1	0.6	1	0.2				
350- 375	25	0.5	0.4	0.2	0.5	0.6	0.6	0.6	0.7	0.6	0.4	0.8	0.5	0.9	0.4				
375- 400	25	0.5	0.3	0.1	0.4	0.5	0.5	0.6	0.6	0.6	0.3	0.7	0.5	0.6	0.6				
400- 425	25	0.3	0.2	0.1	0.3	0.4	0.5	0.5	0.5	0.5	0.2	0.5	0.5	0.4	0.5				

Table 9, Continuation

Equivalent dose rate resulted from activation of JD by high-energy hadrons for T= 10y, 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					513.4	376.6	208.8	92.8	38.1	18.1	8.8	4.2	2	0.7				
10- 20	15					409.8	292.3	168.1	80.2	34.6	15.3	7.7	3.7	1.8	0.6				
20- 38	18					93.6	93.5	81.4	56.5	32.1	15.2	7.4	4	1.9	0.7				
38	0.	49.3	46.5	41.5	32.5	33.7	40.9	46.2	41.3	28.9	15.3	6.9	4.1	2.1	0.8				
38- 60	22	27	30.2	28.7	21.2	21.9	25.7	28.7	28.5	22.8	14.9	6.4	3.9	2.2	0.8				
60- 80	20	10.7	14.5	15.2	11.9	12.1	14	14.2	15.8	14.5	11	7.8	2.9	2.2	0.8				
80- 100	20	5.9	8	8.7	7.7	7.7	8.9	8.8	9.8	9.8	7.4	7.2	3.1	1.8	0.8				
100- 125	25	3.8	4.8	5.4	4.8	5.1	6	6.3	6.1	6.5	6.5	3.2	4.3	1	0.7				
125- 150	25	2.8	3.1	3.5	3.2	3.3	3.8	4.5	3.9	5	4.1	4	3	1.4	0.3				
150- 175	25	2	2.1	2.5	2.2	2.5	2.8	3.4	2.7	3.4	3	3.6	1.5	2.8	0.2				
175- 200	25	1.4	1.5	1.9	1.5	1.8	2	2.6	2.2	2	2.8	2.2	1.7	2.1	1.2				
200- 225	25	1.1	1.2	1.5	1.2	1.3	1.4	2	2	1.4	2.3	1.5	1.8	0.7	1.4				
225- 250	25	1	1	1.1	1	1	1.1	1.4	1.7	1.1	1.7	1.4	1.7	0.5	0.3				
250- 275	25	0.9	0.8	0.9	0.9	0.9	0.9	1.1	1.4	1	1.3	1.4	1.4	0.5	0.2				
275- 300	25	0.8	0.7	0.6	0.8	0.8	0.8	0.9	1.1	0.9	1	1.3	1	0.8	0.1				
300- 325	25	0.7	0.6	0.4	0.7	0.7	0.7	0.7	0.9	0.8	0.7	1.2	0.7	1.1	0.1				
325- 350	25	0.6	0.5	0.3	0.6	0.7	0.7	0.7	0.8	0.7	0.6	1.1	0.6	1.1	0.2				
350- 375	25	0.5	0.4	0.2	0.5	0.6	0.6	0.6	0.7	0.6	0.5	0.9	0.6	0.9	0.4				
375- 400	25	0.5	0.3	0.1	0.5	0.6	0.6	0.6	0.6	0.6	0.4	0.7	0.6	0.7	0.6				
400- 425	25	0.4	0.2	0.1	0.3	0.4	0.5	0.5	0.5	0.5	0.3	0.5	0.5	0.4	0.5				

Table 10

Equivalent dose rate resulted from activation of JD by low energy neutrons 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					390.9	303.2	190.9	99.4	44	21.5	12.7	7.3	4	1.6				
10- 20	15					340.8	266.2	167.7	85.5	41.3	19.6	11.3	6.6	3.6	1.4				
20- 38	18					143.4	125.5	96.4	64.7	37.9	20.2	10.2	6.1	3.4	1.3				
38	0.	305.4	128.6	56.7	35.8	47	58.2	62.9	52.1	35.3	20.2	9.7	5.9	3.4	1.3				
38- 60	22	181.2	102	51.2	31.8	33.8	38.8	41.8	39.1	30.2	18.8	9.8	5.5	3.3	1.3				
60- 80	20	52.7	45.1	34.7	24.3	23.5	24.9	24.1	24.5	21.2	16.3	10.6	4.9	3.3	1.4				
80- 100	20	7.4	16.1	20.3	16.7	15.3	17	17.4	17.7	16	11.9	10.3	5.2	2.9	1.4				
100- 125	25	2.7	6.9	10.2	11.4	11.6	11.9	11.4	10.9	12.4	10.6	6.1	6.1	2.2	1.2				
125- 150	25	1.8	3.9	5.4	6.4	6.7	7.6	9.1	7.7	7.8	8.1	6.7	4.5	2.6	0.8				
150- 175	25	1.2	2.6	3.1	4.3	4.5	4.6	5.5	5.8	6.2	4.9	6.6	3.1	3.7	0.7				
175- 200	25	0.9	1.7	2.3	2.7	3.6	3.8	4.1	3.6	4.5	4.6	3.5	3.7	2.8	1.5				
200- 225	25	0.7	1.2	1.9	1.4	2.3	2.8	3.5	3.1	2.3	4.4	2.4	3.3	1.8	1.7				
225- 250	25	0.6	0.9	1.7	0.9	1.1	1.5	2.5	3	1.7	3	2.8	2.3	2	0.6				
250- 275	25	0.5	0.6	1.4	0.8	0.7	0.8	1.5	2.5	1.9	1.8	3	1.9	1.6	1				
275- 300	25	0.5	0.5	1.2	0.8	0.6	0.6	0.8	1.8	1.9	1.3	2.4	1.8	1.2	0.7				
300- 325	25	0.4	0.4	0.9	0.8	0.5	0.5	0.6	1.2	1.7	1.2	1.6	1.6	1.3	0.2				
325- 350	25	0.4	0.3	0.7	0.8	0.6	0.5	0.5	0.8	1.3	1.2	1.2	1.5	1.4	0.2				
350- 375	25	0.3	0.2	0.5	0.8	0.6	0.5	0.4	0.6	0.9	1.1	1	1.2	1.3	0.5				
375- 400	25	0.3	0.2	0.3	0.8	0.7	0.5	0.4	0.5	0.7	1	0.9	1	1.2	0.7				
400- 425	25	0.2	0.1	0.2	0.7	0.6	0.5	0.4	0.4	0.5	0.7	0.8	0.7	1	0.6				

Table 10, Continuation

Equivalent dose rate resulted from activation of JD by low energy neutrons 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					22.5	17.6	11.1	5.8	2.6	1.3	0.8	0.4	0.2	0.1				
10- 20	15					19.5	15.3	9.8	5.1	2.5	1.2	0.7	0.4	0.2	0.1				
20- 38	18					9.3	7.9	5.9	3.9	2.3	1.2	0.6	0.4	0.2	0.1				
38	0.	19.3	10.7	6.8	4.6	3.8	4.1	4	3.2	2.1	1.2	0.6	0.4	0.2	0.1				
38- 60	22	11.5	8	5.3	3.5	2.9	3	2.9	2.5	1.9	1.2	0.6	0.3	0.2	0.1				
60- 80	20	3.7	3.7	3.2	2.3	2	2	1.9	1.7	1.4	1	0.7	0.3	0.2	0.1				
80- 100	20	1	1.6	1.9	1.6	1.4	1.5	1.4	1.3	1.1	0.8	0.6	0.3	0.2	0.1				
100- 125	25	0.5	0.8	1.1	1.1	1	1	1	0.9	0.9	0.7	0.4	0.4	0.2	0.1				
125- 150	25	0.4	0.5	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.3	0.2	0.1				
150- 175	25	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.2	0.2	0				
175- 200	25	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.3	0.2	0.1				
200- 225	25	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.1	0.1				
225- 250	25	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1				
250- 275	25	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1				
275- 300	25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0				
300- 325	25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0				
325- 350	25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0				
350- 375	25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0				
375- 400	25	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0				
400- 425	25	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0				

Table 10, Continuation

Equivalent dose rate resulted from activation of JD by low energy neutrons for T= 100d, t=1d

R/Z,		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
cm	dR\dZ	0	25	25	23	0	10	12	25	25	50	50	100	100	50	50	15	10	0
0- 10	10					420.3	328.3	206.1	107.4	47.4	23.1	13.8	7.9	4.3	1.7				
10- 20	15					366.8	286.4	178.7	92.8	44.7	21.2	12.3	7.1	3.9	1.5				
20- 38	18					155.8	136.4	104.5	70	40.9	21.8	11	6.6	3.7	1.4				
38	0.	329.9	141.8	65.8	42	52	63.7	68.6	56.5	38.1	21.8	10.5	6.4	3.6	1.4				
38- 60	22	196.4	112.7	58.4	36.5	37.8	43	45.6	42.5	32.7	20.4	10.6	6	3.6	1.4				
60- 80	20	57.9	50.2	39.1	27.5	26.1	27.6	26.5	26.9	23	17.7	11.5	5.3	3.6	1.5				
80- 100	20	8.7	18.2	23	18.8	17.3	19	19.4	19.4	17.4	12.9	11.1	5.6	3.2	1.5				
100- 125	25	3.4	8.1	11.7	12.8	13.1	13.5	12.7	12.2	13.5	11.5	6.7	6.6	2.4	1.3				
125- 150	25	2.3	4.7	6.2	7.3	7.6	8.6	10.1	8.5	8.6	8.8	7.2	4.9	2.9	0.8				
150- 175	25	1.6	3.1	3.8	5	5.1	5.3	6.1	6.4	6.9	5.4	7.2	3.4	4	0.8				
175- 200	25	1.2	2.1	2.7	3.1	4.2	4.4	4.6	4.1	4.9	5.1	3.8	4	3.1	1.6				
200- 225	25	0.9	1.5	2.3	1.7	2.6	3.2	4	3.5	2.7	4.8	2.7	3.6	2	1.9				
225- 250	25	0.8	1.1	2	1.1	1.4	1.8	2.9	3.4	2	3.4	3.1	2.5	2.2	0.7				
250- 275	25	0.7	0.8	1.7	1	0.9	1	1.7	2.8	2.1	2	3.2	2.1	1.7	1.1				
275- 300	25	0.6	0.6	1.3	1	0.7	0.7	1	2.1	2.2	1.5	2.6	2	1.3	0.8				
300- 325	25	0.6	0.5	1	1	0.7	0.6	0.7	1.4	1.9	1.4	1.8	1.8	1.4	0.2				
325- 350	25	0.5	0.4	0.8	1	0.7	0.6	0.6	0.9	1.5	1.3	1.3	1.6	1.5	0.2				
350- 375	25	0.4	0.3	0.5	1	0.8	0.7	0.6	0.7	1.1	1.3	1.1	1.4	1.5	0.5				
375- 400	25	0.4	0.2	0.4	0.9	0.8	0.7	0.5	0.6	0.8	1.1	1	1.1	1.4	0.8				
400- 425	25	0.3	0.2	0.2	0.8	0.7	0.6	0.5	0.5	0.6	0.8	0.9	0.8	1.1	0.7				

Table 10, Continuation

Equivalent dose rate resulted from activation of JD by low energy neutrons 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					51.8	40.3	25.4	13.5	6.1	3	1.8	1	0.6	0.2				
10- 20	15					45.3	35.5	22.6	11.8	5.7	2.7	1.6	0.9	0.5	0.2				
20- 38	18					21.3	18.1	13.6	9	5.3	2.8	1.4	0.9	0.5	0.2				
38	0.	44.2	25.1	15.9	10.7	8.9	9.5	9.4	7.4	5	2.8	1.4	0.8	0.5	0.2				
38- 60	22	26.7	18.7	12.5	8.2	6.9	7	6.7	5.8	4.3	2.7	1.4	0.8	0.5	0.2				
60- 80	20	8.8	8.7	7.6	5.5	4.8	4.8	4.3	4	3.3	2.4	1.5	0.7	0.5	0.2				
80- 100	20	2.3	3.8	4.5	3.7	3.3	3.4	3.2	3	2.6	1.9	1.5	0.8	0.4	0.2				
100- 125	25	1.3	2	2.5	2.5	2.5	2.5	2.2	2	2	1.7	1	0.9	0.4	0.2				
125- 150	25	0.9	1.3	1.5	1.5	1.6	1.7	1.7	1.5	1.4	1.3	1.1	0.7	0.4	0.1				
150- 175	25	0.7	0.9	1	1.1	1.1	1.1	1.2	1.1	1.2	0.9	1	0.5	0.5	0.1				
175- 200	25	0.5	0.6	0.8	0.7	0.9	0.9	0.9	0.8	0.9	0.8	0.6	0.6	0.4	0.2				
200- 225	25	0.4	0.5	0.6	0.5	0.6	0.7	0.8	0.7	0.5	0.8	0.5	0.5	0.3	0.2				
225- 250	25	0.4	0.4	0.5	0.4	0.4	0.5	0.6	0.6	0.4	0.6	0.5	0.4	0.3	0.1				
250- 275	25	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.5	0.4	0.4	0.5	0.3	0.2	0.2				
275- 300	25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.4	0.3	0.2	0.1				
300- 325	25	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.1				
325- 350	25	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.1				
350- 375	25	0.2	0.1	0.1	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1				
375- 400	25	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1				
400- 425	25	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.1				

Table 10, Continuation

Equivalent dose rate resulted from activation of JD by low energy neutrons 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					445.9	346.9	217.1	112.9	50.4	24.5	14.5	8.4	4.6	1.8				
10- 20	15					390.2	303.8	190.1	98.2	47.5	22.5	13.1	7.5	4.1	1.6				
20- 38	18					166.4	145.2	110.9	74.3	43.5	23.1	11.8	7	3.9	1.5				
38	0.	351.4	156.2	75.2	48.4	57	68.7	73.3	60	40.5	23.2	11.2	6.8	3.9	1.5				
38- 60	22	209.7	122.9	65.5	41.1	41.4	46.6	48.9	45.3	34.8	21.7	11.3	6.3	3.8	1.5				
60- 80	20	62.3	54.8	43.2	30.4	28.7	30.1	28.8	28.8	24.6	18.8	12.2	5.7	3.8	1.6				
80- 100	20	9.9	20.3	25.4	20.8	19.1	20.8	21	20.9	18.6	13.9	11.9	6	3.4	1.6				
100- 125	25	4.2	9.2	13.1	14.3	14.3	14.7	13.8	13.3	14.5	12.4	7.2	7.1	2.6	1.3				
125- 150	25	2.9	5.4	7.1	8.2	8.5	9.5	11.1	9.3	9.3	9.5	7.8	5.3	3	0.9				
150- 175	25	2	3.6	4.4	5.6	5.8	5.9	6.8	7	7.5	5.9	7.6	3.7	4.2	0.8				
175- 200	25	1.5	2.5	3.2	3.6	4.7	4.9	5.1	4.5	5.4	5.5	4.1	4.3	3.3	1.7				
200- 225	25	1.2	1.8	2.7	2	3	3.5	4.4	3.8	2.9	5.2	2.9	3.8	2.2	2				
225- 250	25	1	1.3	2.3	1.4	1.6	2.1	3.2	3.7	2.2	3.6	3.4	2.7	2.3	0.8				
250- 275	25	0.9	1	1.9	1.2	1.1	1.2	1.9	3.1	2.3	2.2	3.5	2.3	1.9	1.2				
275- 300	25	0.8	0.8	1.5	1.2	0.9	0.9	1.2	2.3	2.4	1.6	2.8	2.1	1.3	0.9				
300- 325	25	0.7	0.6	1.2	1.2	0.9	0.8	0.9	1.5	2.1	1.5	2	2	1.5	0.2				
325- 350	25	0.6	0.5	0.9	1.2	0.9	0.8	0.7	1.1	1.6	1.5	1.5	1.8	1.6	0.3				
350- 375	25	0.5	0.4	0.6	1.1	0.9	0.8	0.7	0.8	1.2	1.4	1.3	1.5	1.6	0.6				
375- 400	25	0.5	0.3	0.4	1.1	0.9	0.8	0.7	0.7	0.9	1.2	1.2	1.2	1.5	0.8				
400- 425	25	0.3	0.2	0.3	0.9	0.8	0.7	0.6	0.6	0.7	0.8	1	0.9	1.2	0.7				

Table 10, Continuation

Equivalent dose rate resulted from activation of JD by low energy neutrons 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					75.6	58.9	37.4	19.9	9	4.4	2.7	1.5	0.8	0.3				
10- 20	15					66.1	52	33.2	17.4	8.4	4.1	2.4	1.4	0.8	0.3				
20- 38	18					32	26.9	20	13.4	7.8	4.2	2.1	1.3	0.7	0.3				
38	0.	67.1	39	25.4	17.2	14	14.7	14	11	7.3	4.2	2.1	1.2	0.7	0.3				
38- 60	22	39.9	28.7	19.6	12.9	10.7	10.8	10.1	8.7	6.5	4	2.1	1.2	0.7	0.3				
60- 80	20	13.2	13.4	11.8	8.5	7.5	7.4	6.6	6	4.9	3.6	2.3	1.1	0.7	0.3				
80- 100	20	3.6	5.9	6.9	5.8	5.2	5.2	4.9	4.6	3.9	2.8	2.2	1.2	0.7	0.3				
100- 125	25	2	3.2	3.9	3.9	3.8	3.8	3.5	3.1	3.1	2.5	1.5	1.3	0.5	0.3				
125- 150	25	1.5	2	2.4	2.4	2.4	2.6	2.7	2.3	2.2	2	1.6	1.1	0.6	0.2				
150- 175	25	1.1	1.4	1.6	1.7	1.8	1.8	1.8	1.7	1.8	1.4	1.5	0.8	0.8	0.2				
175- 200	25	0.8	1	1.2	1.1	1.4	1.4	1.5	1.2	1.3	1.3	0.9	0.9	0.7	0.3				
200- 225	25	0.7	0.8	1	0.8	1	1.1	1.2	1	0.8	1.2	0.7	0.7	0.5	0.4				
225- 250	25	0.6	0.6	0.8	0.6	0.7	0.7	0.9	1	0.7	0.9	0.8	0.6	0.5	0.2				
250- 275	25	0.5	0.5	0.6	0.5	0.5	0.5	0.7	0.8	0.7	0.6	0.8	0.5	0.4	0.3				
275- 300	25	0.5	0.4	0.5	0.5	0.5	0.4	0.5	0.6	0.6	0.5	0.6	0.5	0.3	0.2				
300- 325	25	0.4	0.3	0.4	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.3	0.1				
325- 350	25	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.1				
350- 375	25	0.3	0.2	0.2	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.4	0.1				
375- 400	25	0.3	0.2	0.1	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.2				
400- 425	25	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.3	0.2				

Table 9, Continuation

Equivalent dose rate resulted from activation of JD by low energy neutrons 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					445.9	346.9	217.1	113.2	50.6	24.6	14.6	8.4	4.6	1.8				
10- 20	15					390.2	305	190.1	98.4	47.6	22.6	13.1	7.6	4.1	1.6				
20- 38	18					166.8	145.6	111	74.4	43.7	23.2	11.8	7.1	3.9	1.5				
38	0.	352.9	160	78.3	50.7	57.9	69.4	73.4	60	40.7	23.2	11.2	6.8	3.9	1.5				
38- 60	22	210	124.4	67.5	42.7	42.4	47.3	49.6	45.6	34.9	21.8	11.3	6.4	3.9	1.5				
60- 80	20	62.9	55.7	44.2	31.2	29.2	30.6	29.3	29.2	24.9	18.9	12.3	5.7	3.8	1.6				
80- 100	20	10.5	20.9	26	21.4	19.7	21.2	21.3	21.2	19	14	11.9	6	3.4	1.6				
100- 125	25	4.5	9.6	13.5	14.6	14.7	15.1	14	13.5	14.7	12.5	7.3	7.1	2.6	1.4				
125- 150	25	3.1	5.7	7.4	8.4	8.7	9.7	11.1	9.5	9.5	9.6	7.9	5.3	3.1	0.9				
150- 175	25	2.2	3.7	4.5	5.7	6	6.1	6.9	7.1	7.6	6	7.7	3.8	4.2	0.8				
175- 200	25	1.6	2.6	3.4	3.7	4.8	5	5.2	4.6	5.5	5.6	4.2	4.4	3.3	1.7				
200- 225	25	1.3	1.9	2.8	2.1	3.1	3.7	4.5	3.9	3	5.3	3	3.8	2.2	2				
225- 250	25	1.1	1.4	2.4	1.4	1.7	2.1	3.3	3.8	2.3	3.7	3.4	2.7	2.4	0.8				
250- 275	25	1	1.1	2	1.3	1.1	1.3	2	3.2	2.4	2.3	3.5	2.3	1.9	1.2				
275- 300	25	0.9	0.9	1.6	1.2	1	1	1.2	2.3	2.4	1.7	2.8	2.2	1.4	0.9				
300- 325	25	0.8	0.7	1.2	1.2	0.9	0.9	0.9	1.6	2.1	1.6	2	2	1.5	0.2				
325- 350	25	0.7	0.5	0.9	1.2	0.9	0.9	0.8	1.1	1.6	1.5	1.5	1.8	1.6	0.3				
350- 375	25	0.6	0.4	0.6	1.2	1	0.9	0.7	0.9	1.2	1.4	1.3	1.5	1.6	0.6				
375- 400	25	0.5	0.3	0.4	1.1	1	0.9	0.7	0.8	0.9	1.2	1.2	1.2	1.5	0.8				
400- 425	25	0.4	0.2	0.3	0.9	0.9	0.8	0.6	0.6	0.7	0.9	1	0.9	1.2	0.7				

Table 10, Continuation

Equivalent dose rate resulted from activation of JD by low energy neutrons 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					77.5	60.7	38.3	20.5	9.4	4.5	2.8	1.6	0.9	0.3				
10- 20	15					68	53.3	33.9	17.7	8.7	4.2	2.5	1.4	0.8	0.3				
20- 38	18					33	27.8	20.8	13.7	8	4.3	2.2	1.3	0.7	0.3				
38	0.	69	42.2	28.9	19.3	15	15.4	14.4	11.2	7.5	4.3	2.1	1.3	0.7	0.3				
38- 60	22	41.4	30.7	21.8	14.4	11.6	11.5	10.7	9.1	6.7	4.1	2.2	1.2	0.7	0.3				
60- 80	20	14	14.4	12.8	9.3	8.1	8	7.1	6.4	5.1	3.7	2.4	1.1	0.7	0.3				
80- 100	20	4.1	6.5	7.5	6.3	5.7	5.7	5.3	4.9	4.1	3	2.3	1.2	0.7	0.3				
100- 125	25	2.3	3.5	4.3	4.2	4.1	4.1	3.7	3.4	3.2	2.7	1.6	1.4	0.6	0.3				
125- 150	25	1.7	2.2	2.6	2.7	2.7	2.8	2.9	2.5	2.3	2.1	1.7	1.1	0.6	0.2				
150- 175	25	1.3	1.5	1.8	1.8	1.9	2	2	1.9	1.9	1.5	1.5	0.9	0.8	0.2				
175- 200	25	1	1.1	1.4	1.3	1.5	1.6	1.6	1.3	1.4	1.4	1	0.9	0.7	0.3				
200- 225	25	0.8	0.9	1.1	0.9	1.1	1.2	1.3	1.2	0.9	1.2	0.8	0.8	0.6	0.4				
225- 250	25	0.7	0.7	0.9	0.7	0.7	0.8	1	1	0.8	0.9	0.8	0.6	0.5	0.2				
250- 275	25	0.6	0.6	0.7	0.6	0.6	0.6	0.7	0.9	0.7	0.7	0.8	0.6	0.4	0.3				
275- 300	25	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.7	0.7	0.6	0.6	0.5	0.3	0.2				
300- 325	25	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.3	0.1				
325- 350	25	0.4	0.3	0.3	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.1				
350- 375	25	0.4	0.3	0.2	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.1				
375- 400	25	0.3	0.2	0.2	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.3	0.4	0.2				
400- 425	25	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.3	0.2				

Table 10, Continuation

Equivalent dose rate resulted from activation of JD by low energy neutrons 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					28.4	22.2	13.9	7.3	3.3	1.6	1	0.6	0.3	0.1				
10- 20	15					24.9	19.4	12.2	6.3	3.1	1.5	0.9	0.5	0.3	0.1				
20- 38	18					11.3	9.6	7.3	4.8	2.8	1.5	0.8	0.5	0.3	0.1				
38	0.	23.1	12.6	7.6	5	4.5	5	5	4	2.7	1.5	0.7	0.4	0.3	0.1				
38- 60	22	14	9.5	6.1	3.9	3.4	3.5	3.5	3.1	2.3	1.4	0.8	0.4	0.3	0.1				
60- 80	20	4.5	4.4	3.7	2.7	2.4	2.4	2.2	2.1	1.7	1.3	0.8	0.4	0.3	0.1				
80- 100	20	1.1	1.9	2.2	1.8	1.7	1.7	1.6	1.5	1.3	1	0.8	0.4	0.2	0.1				
100- 125	25	0.6	1	1.2	1.2	1.2	1.2	1.1	1	1	0.9	0.5	0.5	0.2	0.1				
125- 150	25	0.4	0.6	0.7	0.8	0.8	0.8	0.9	0.7	0.7	0.7	0.6	0.4	0.2	0.1				
150- 175	25	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.3	0.3	0.1				
175- 200	25	0.2	0.3	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.2	0.1				
200- 225	25	0.2	0.2	0.3	0.2	0.3	0.3	0.4	0.3	0.3	0.4	0.2	0.3	0.2	0.1				
225- 250	25	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.1				
250- 275	25	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.1	0.1				
275- 300	25	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1				
300- 325	25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.1				
325- 350	25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1				
350- 375	25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1				
375- 400	25	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1				
400- 425	25	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1				

Table 10, Continuation

Equivalent dose rate resulted from activation of JD by low energy neutrons for T= 5y, 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					46.5	36.3	22.9	12.2	5.5	2.7	1.6	0.9	0.5	0.2				
10- 20	15					40.9	32.2	20.3	10.6	5.2	2.5	1.5	0.8	0.5	0.2				
20- 38	18					19.3	16.4	12.4	8.1	4.7	2.5	1.3	0.8	0.4	0.2				
38	0.	39.5	23.4	15.5	10.5	8.4	8.9	8.5	6.7	4.5	2.6	1.3	0.8	0.4	0.2				
38- 60	22	24.2	17.3	11.9	7.9	6.5	6.5	6.2	5.3	3.9	2.4	1.3	0.7	0.4	0.2				
60- 80	20	8	8.1	7.1	5.2	4.5	4.5	4	3.7	3	2.2	1.4	0.7	0.4	0.2				
80- 100	20	2.2	3.6	4.2	3.5	3.2	3.2	3	2.8	2.4	1.7	1.3	0.7	0.4	0.2				
100- 125	25	1.2	1.9	2.4	2.3	2.3	2.3	2.1	1.9	1.9	1.5	0.9	0.8	0.3	0.2				
125- 150	25	0.9	1.2	1.4	1.5	1.5	1.6	1.6	1.4	1.3	1.2	1	0.6	0.4	0.1				
150- 175	25	0.7	0.8	1	1	1.1	1.1	1.1	1	1.1	0.8	0.9	0.5	0.5	0.1				
175- 200	25	0.5	0.6	0.8	0.7	0.8	0.9	0.9	0.7	0.8	0.8	0.6	0.5	0.4	0.2				
200- 225	25	0.4	0.5	0.6	0.5	0.6	0.7	0.7	0.6	0.5	0.7	0.4	0.4	0.3	0.2				
225- 250	25	0.3	0.4	0.5	0.4	0.4	0.4	0.6	0.6	0.4	0.5	0.5	0.3	0.3	0.1				
250- 275	25	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.5	0.4	0.4	0.5	0.3	0.2	0.2				
275- 300	25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.4	0.3	0.2	0.1				
300- 325	25	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.1				
325- 350	25	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.1				
350- 375	25	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1				
375- 400	25	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1				
400- 425	25	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.1				

Table 10, Continuation

Equivalent dose rate resulted from activation of JD by low energy neutrons for T= 10y, 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					47.1	36.7	23.3	12.4	5.7	2.7	1.7	1	0.5	0.2				
10- 20	15					41.2	32.3	20.8	10.9	5.3	2.6	1.5	0.9	0.5	0.2				
20- 38	18					20.4	17.1	12.7	8.4	4.9	2.6	1.3	0.8	0.4	0.2				
38	0.	41.7	26.7	18.6	12.7	9.4	9.6	8.9	6.9	4.6	2.6	1.3	0.8	0.4	0.2				
38- 60	22	25.3	19.3	14.1	9.3	7.4	7.3	6.6	5.6	4.1	2.5	1.3	0.7	0.5	0.2				
60- 80	20	8.6	9	8.1	6	5.2	5	4.5	4	3.2	2.3	1.5	0.7	0.5	0.2				
80- 100	20	2.6	4.1	4.8	4	3.6	3.6	3.3	3	2.6	1.8	1.4	0.7	0.4	0.2				
100- 125	25	1.5	2.3	2.8	2.7	2.6	2.6	2.4	2.1	2	1.7	1	0.8	0.3	0.2				
125- 150	25	1.1	1.4	1.7	1.7	1.7	1.8	1.8	1.6	1.5	1.3	1.1	0.7	0.4	0.1				
150- 175	25	0.8	1	1.2	1.2	1.3	1.3	1.3	1.2	1.2	0.9	0.9	0.6	0.5	0.1				
175- 200	25	0.6	0.7	0.9	0.8	1	1	1	0.8	0.9	0.9	0.6	0.6	0.4	0.2				
200- 225	25	0.5	0.6	0.7	0.6	0.7	0.8	0.9	0.7	0.6	0.8	0.5	0.5	0.4	0.2				
225- 250	25	0.4	0.5	0.6	0.5	0.5	0.5	0.6	0.7	0.5	0.6	0.5	0.4	0.3	0.1				
250- 275	25	0.4	0.4	0.5	0.4	0.4	0.4	0.5	0.6	0.5	0.4	0.5	0.4	0.2	0.2				
275- 300	25	0.3	0.3	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.1				
300- 325	25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1				
325- 350	25	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1				
350- 375	25	0.2	0.2	0.1	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.1				
375- 400	25	0.2	0.1	0.1	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1				
400- 425	25	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.1				

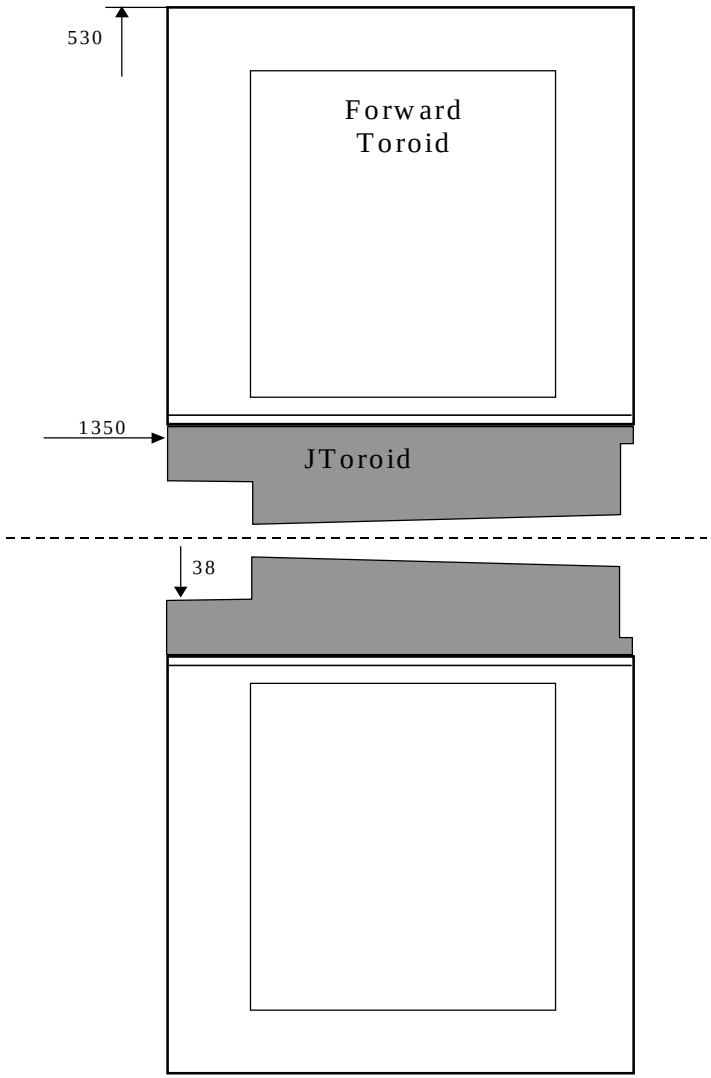

Fig.5. To dose rate calculation from Toroid in access scenario to the area between JDisk and Toroid.

Table 11

Equivalent dose rate resulted from activation of Toroid by high-energy hadrons 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								1.1	1.5	1.8	2.3	3.5	7.2	14.8	30.4	49.9	61.9	68.3
10- 20	15								1	1.3	1.6	2	3.1	6.3	13.1	25.5	41.3	52.2	58.4
20- 38	18								1	1.4	1.7	2.2	3.3	6.6	12.4	20.9	35.8	47.4	53.1
38	0.								1.1	1.5	1.8	2.3	3.5	6.8	11.2	18.1	33	42	41.5
38- 60	22								1.2	1.7	2	2.5	3.6	6.3	8.4	16	19.4	17.3	16.3
60- 80	20								1.3	1.8	2.1	2.6	3.4	3.8	6.9	8.3	5	4.9	4.7
80- 100	20								1.3	1.8	2	2.3	2.2	2.5	6.3	2.7	2.4	2.2	1.8
100- 125	25								1.2	1.5	1.5	1.3	1	3.4	1.8	1.6	1.3	1.2	0.9
125- 150	25								0.7	0.8	0.6	0.5	1.2	2.2	1.2	1	0.8	0.6	0.4
150- 175	25								0.2	0.3	0.3	0.5	1.9	0.9	0.8	0.6	0.6	0.3	0.2
175- 200	25								0.1	0.2	0.5	1.3	1.4	0.6	0.6	0.4	0.4	0.2	0.1
200- 225	25								0.3	0.5	1.1	1.6	0.5	0.5	0.5	0.3	0.3	0.1	0.1
225- 250	25								0.7	1.1	1.3	0.7	0.3	0.4	0.4	0.2	0.2	0.1	0.1
250- 275	25								1	1.1	0.6	0.2	0.3	0.3	0.3	0.2	0.2	0.1	0.1
275- 300	25								0.6	0.4	0.1	0.1	0.3	0.2	0.2	0.2	0.1	0.1	0
300- 325	25								0.1	0.1	0.1	0.2	0.3	0.2	0.1	0.1	0.1	0	0
325- 350	25								0	0	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0	0
350- 375	25								0	0	0.1	0.3	0.1	0.2	0.1	0.1	0	0	0
375- 400	25								0	0.1	0.2	0.3	0.1	0.2	0	0.1	0	0	0
400- 425	25								0.1	0.2	0.3	0.2	0.1	0.1	0	0.1	0	0	0

Table 11, Continuation

Equivalent dose rate resulted from activation of Toroid by high-energy hadrons 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								0.7	1	1.1	1.5	2.3	4.7	9.6	19.8	32.3	40.2	44.4
10- 20	15								0.6	0.9	1	1.3	2	4.1	8.5	16.6	27	34.2	38.2
20- 38	18								0.7	0.9	1.1	1.4	2.1	4.3	8.1	13.7	23.4	31	34.7
38	0.								0.7	1	1.2	1.5	2.3	4.4	7.3	12.1	21.3	27.5	27.5
38- 60	22								0.8	1.1	1.3	1.6	2.3	4.1	5.5	10.4	12.8	11.4	10.8
60- 80	20								0.9	1.2	1.4	1.7	2.2	2.5	4.5	5.5	3.3	3.3	3.1
80- 100	20								0.9	1.2	1.3	1.5	1.5	1.7	4.1	1.8	1.6	1.4	1.2
100- 125	25								0.8	1	1	0.8	0.6	2.2	1.2	1.1	0.9	0.8	0.6
125- 150	25								0.5	0.5	0.4	0.3	0.8	1.4	0.8	0.6	0.5	0.4	0.3
150- 175	25								0.2	0.2	0.2	0.4	1.3	0.6	0.5	0.4	0.4	0.2	0.2
175- 200	25								0.1	0.2	0.3	0.8	0.9	0.4	0.4	0.3	0.3	0.1	0.1
200- 225	25								0.2	0.4	0.7	1	0.3	0.3	0.3	0.2	0.2	0.1	0.1
225- 250	25								0.4	0.7	0.9	0.4	0.2	0.3	0.3	0.1	0.1	0.1	0.1
250- 275	25								0.6	0.7	0.4	0.1	0.2	0.2	0.2	0.1	0.1	0	0
275- 300	25								0.4	0.3	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0	0
300- 325	25								0.1	0.1	0	0.1	0.2	0.1	0.1	0.1	0.1	0	0
325- 350	25								0	0	0.1	0.2	0.1	0.1	0.1	0.1	0	0	0
350- 375	25								0	0	0.1	0.2	0.1	0.1	0	0.1	0	0	0
375- 400	25								0	0.1	0.1	0.2	0	0.1	0	0.1	0	0	0
400- 425	25								0	0.1	0.2	0.1	0	0.1	0	0.1	0	0	0

Table 11, Continuation

Equivalent dose rate resulted from activation of Toroid by high-energy hadrons 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								1.7	2.4	2.8	3.6	5.6	11.4	23.4	48.1	79	97.8	107.5
10- 20	15								1.5	2.1	2.5	3.2	4.9	10	20.6	40.5	65.8	83.4	93.1
20- 38	18								1.6	2.2	2.7	3.4	5.2	10.4	19.6	33.5	57.5	76	85.1
38	0.								1.8	2.4	2.9	3.7	5.5	10.6	17.6	29	52.7	67	67
38- 60	22								1.9	2.6	3.1	3.9	5.7	9.8	13.4	25.6	31.2	28.4	27.3
60- 80	20								2.1	2.8	3.3	4	5.3	6.1	11	13.4	8.4	8.3	7.9
80- 100	20								2.1	2.8	3.2	3.6	3.5	4.1	9.9	4.5	4	3.5	2.8
100- 125	25								1.9	2.4	2.3	2	1.5	5.3	2.9	2.7	2.1	1.8	1.3
125- 150	25								1.1	1.2	0.9	0.8	2	3.5	1.9	1.6	1.3	0.9	0.6
150- 175	25								0.4	0.4	0.5	0.9	3	1.5	1.3	1	0.9	0.5	0.3
175- 200	25								0.2	0.4	0.8	2	2.1	1	0.9	0.7	0.7	0.3	0.2
200- 225	25								0.5	0.9	1.7	2.5	0.8	0.8	0.8	0.5	0.5	0.2	0.2
225- 250	25								1	1.8	2.1	1.1	0.5	0.6	0.6	0.4	0.3	0.2	0.1
250- 275	25								1.5	1.8	1	0.2	0.5	0.5	0.5	0.3	0.2	0.1	0.1
275- 300	25								0.9	0.7	0.2	0.2	0.6	0.4	0.3	0.3	0.2	0.1	0.1
300- 325	25								0.2	0.1	0.1	0.3	0.5	0.3	0.2	0.2	0.1	0.1	0.1
325- 350	25								0.1	0.1	0.1	0.4	0.3	0.3	0.1	0.2	0.1	0.1	0.1
350- 375	25								0	0.1	0.2	0.5	0.2	0.3	0.1	0.2	0.1	0	0
375- 400	25								0.1	0.1	0.3	0.5	0.1	0.3	0.1	0.2	0.1	0	0
400- 425	25								0.1	0.3	0.4	0.3	0.1	0.2	0.1	0.2	0	0	0

Table 11, Continuation

Equivalent dose rate resulted from activation of Toroid by high-energy hadrons 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								1.3	1.8	2.1	2.7	4.2	8.6	17.7	36.4	59.9	74.5	82.1
10- 20	15								1.1	1.6	1.9	2.4	3.7	7.6	15.7	30.7	50.1	63.7	71.3
20- 38	18								1.2	1.7	2	2.6	3.9	7.8	14.8	25.5	43.7	58	64.9
38	0.								1.3	1.8	2.2	2.8	4.1	8	13.4	22.4	40	51	51
38- 60	22								1.4	2	2.3	2.9	4.3	7.4	10.2	19.5	23.9	22.1	21.2
60- 80	20								1.6	2.1	2.5	3	4	4.6	8.4	10.2	6.6	6.7	6.3
80- 100	20								1.6	2.1	2.4	2.7	2.7	3.1	7.5	3.5	3.1	2.7	2.2
100- 125	25								1.4	1.8	1.7	1.5	1.2	4	2.2	2.1	1.6	1.3	1
125- 150	25								0.8	0.9	0.7	0.6	1.5	2.7	1.5	1.2	1	0.7	0.5
150- 175	25								0.3	0.3	0.4	0.7	2.3	1.1	1	0.8	0.7	0.4	0.3
175- 200	25								0.2	0.3	0.6	1.5	1.6	0.8	0.7	0.5	0.5	0.3	0.2
200- 225	25								0.3	0.7	1.3	1.9	0.6	0.6	0.6	0.4	0.4	0.2	0.1
225- 250	25								0.8	1.4	1.6	0.8	0.4	0.5	0.5	0.3	0.3	0.1	0.1
250- 275	25								1.1	1.3	0.7	0.2	0.4	0.4	0.4	0.2	0.2	0.1	0.1
275- 300	25								0.7	0.5	0.2	0.1	0.4	0.3	0.2	0.2	0.1	0.1	0.1
300- 325	25								0.2	0.1	0.1	0.2	0.4	0.3	0.1	0.2	0.1	0.1	0
325- 350	25								0	0	0.1	0.3	0.3	0.2	0.1	0.2	0.1	0	0
350- 375	25								0	0.1	0.2	0.4	0.2	0.2	0.1	0.2	0.1	0	0
375- 400	25								0	0.1	0.3	0.4	0.1	0.2	0.1	0.1	0	0	0
400- 425	25								0.1	0.2	0.3	0.2	0.1	0.2	0	0.1	0	0	0

Table 11, Continuation

Equivalent dose rate resulted from activation of Toroid by high-energy hadrons 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								1.9	2.6	3.1	4	6.2	12.5	25.7	52.8	86.6	107.5	119.9
10- 20	15								1.7	2.3	2.8	3.5	5.5	11.1	22.8	44.6	72.4	92.1	103.8
20- 38	18								1.8	2.5	2.9	3.8	5.7	11.5	21.5	36.9	63.3	83.8	94
38	0.								2	2.7	3.2	4.1	6.1	11.8	19.4	32.1	58	73.5	74
38- 60	22								2.1	2.9	3.4	4.3	6.2	10.8	14.9	28.2	34.4	31.6	30.6
60- 80	20								2.3	3.1	3.6	4.4	5.9	6.7	12.2	14.8	9.5	9.5	9
80- 100	20								2.3	3.1	3.5	3.9	3.9	4.6	11	5.1	4.6	4	3.2
100- 125	25								2.1	2.6	2.6	2.2	1.7	5.9	3.3	3.1	2.5	2.1	1.6
125- 150	25								1.2	1.3	1.1	0.9	2.2	3.9	2.2	1.9	1.6	1.2	0.9
150- 175	25								0.4	0.5	0.5	1	3.4	1.7	1.6	1.2	1.2	0.8	0.6
175- 200	25								0.3	0.5	0.9	2.2	2.4	1.2	1.1	0.8	0.9	0.5	0.4
200- 225	25								0.5	1	1.9	2.7	1	1	0.9	0.6	0.7	0.4	0.3
225- 250	25								1.2	2	2.3	1.2	0.6	0.8	0.8	0.5	0.5	0.3	0.3
250- 275	25								1.7	1.9	1.1	0.3	0.6	0.6	0.6	0.4	0.4	0.2	0.2
275- 300	25								1	0.7	0.3	0.2	0.7	0.4	0.4	0.4	0.3	0.2	0.2
300- 325	25								0.3	0.2	0.1	0.3	0.6	0.4	0.3	0.3	0.2	0.1	0.1
325- 350	25								0.1	0.1	0.2	0.5	0.4	0.4	0.2	0.3	0.2	0.1	0.1
350- 375	25								0.1	0.1	0.3	0.6	0.3	0.4	0.1	0.3	0.1	0.1	0.1
375- 400	25								0.1	0.2	0.4	0.5	0.1	0.3	0.1	0.2	0.1	0.1	0.1
400- 425	25								0.1	0.3	0.5	0.3	0.1	0.3	0.1	0.2	0.1	0.1	0.1

Table 11, Continuation

Equivalent dose rate resulted from activation of Toroid by high-energy hadrons 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								1.5	2.1	2.5	3.2	4.9	10	20.5	42.1	69.1	86	94.7
10- 20	15								1.3	1.9	2.2	2.8	4.4	8.8	18.1	35.6	58.1	73.6	82.5
20- 38	18								1.4	2	2.3	3	4.6	9.1	17.1	29.5	50.6	67.2	75.1
38	0.								1.6	2.1	2.5	3.2	4.8	9.3	15.5	25.8	46.3	59	59.5
38- 60	22								1.7	2.3	2.7	3.4	5	8.6	11.9	22.5	27.7	25.7	24.9
60- 80	20								1.8	2.5	2.9	3.5	4.6	5.4	9.7	11.9	7.8	7.9	7.4
80- 100	20								1.8	2.5	2.8	3.1	3.1	3.7	8.8	4.2	3.7	3.2	2.6
100- 125	25								1.6	2.1	2	1.8	1.4	4.7	2.7	2.6	2	1.7	1.3
125- 150	25								1	1.1	0.8	0.7	1.8	3.1	1.8	1.5	1.3	1	0.7
150- 175	25								0.3	0.4	0.4	0.8	2.7	1.4	1.3	1	1	0.7	0.5
175- 200	25								0.2	0.4	0.7	1.8	1.9	1	0.9	0.7	0.7	0.5	0.4
200- 225	25								0.4	0.8	1.5	2.2	0.8	0.8	0.8	0.5	0.6	0.3	0.3
225- 250	25								0.9	1.6	1.8	0.9	0.5	0.6	0.6	0.4	0.4	0.3	0.2
250- 275	25								1.3	1.5	0.9	0.2	0.5	0.5	0.5	0.3	0.3	0.2	0.2
275- 300	25								0.8	0.6	0.2	0.2	0.5	0.4	0.3	0.3	0.2	0.2	0.1
300- 325	25								0.2	0.1	0.1	0.3	0.5	0.3	0.2	0.3	0.2	0.1	0.1
325- 350	25								0.1	0.1	0.1	0.4	0.3	0.3	0.1	0.2	0.1	0.1	0.1
350- 375	25								0	0.1	0.2	0.5	0.2	0.3	0.1	0.2	0.1	0.1	0.1
375- 400	25								0.1	0.1	0.3	0.4	0.1	0.3	0.1	0.2	0.1	0.1	0.1
400- 425	25								0.1	0.3	0.4	0.3	0.1	0.2	0.1	0.2	0.1	0.1	0.1

Table 11, Continuation

Equivalent dose rate resulted from activation of Toroid by high-energy hadrons 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								1.9	2.7	3.2	4.1	6.3	12.8	26.4	54	88.4	112	122.6
10- 20	15								1.7	2.4	2.8	3.6	5.6	11.3	23.3	45.5	74.2	93.7	105.8
20- 38	18								1.9	2.6	3	3.9	5.9	11.7	22.1	37.7	64.7	85.6	95.9
38	0.								2	2.8	3.3	4.2	6.2	12	19.9	33	59.3	75.5	75.5
38- 60	22								2.2	3	3.5	4.4	6.4	11.1	15.2	28.8	35.5	32.4	31.2
60- 80	20								2.3	3.2	3.7	4.5	6	6.9	12.4	15.2	9.8	9.8	9.3
80- 100	20								2.4	3.2	3.6	4	4	4.7	11.3	5.3	4.7	4.1	3.3
100- 125	25								2.1	2.7	2.6	2.3	1.8	6	3.4	3.2	2.6	2.2	1.7
125- 150	25								1.3	1.4	1.1	0.9	2.3	4	2.3	2	1.7	1.3	1
150- 175	25								0.4	0.5	0.6	1	3.5	1.7	1.6	1.3	1.2	0.8	0.7
175- 200	25								0.3	0.5	0.9	2.3	2.5	1.2	1.2	0.9	0.9	0.6	0.5
200- 225	25								0.5	1	2	2.8	1	1	1	0.7	0.7	0.4	0.4
225- 250	25								1.2	2	2.4	1.2	0.6	0.8	0.8	0.5	0.5	0.3	0.3
250- 275	25								1.7	2	1.1	0.3	0.6	0.6	0.6	0.4	0.4	0.3	0.2
275- 300	25								1	0.8	0.3	0.2	0.7	0.5	0.4	0.4	0.3	0.2	0.2
300- 325	25								0.3	0.2	0.1	0.3	0.6	0.4	0.3	0.4	0.2	0.2	0.2
325- 350	25								0.1	0.1	0.2	0.5	0.4	0.4	0.2	0.3	0.2	0.1	0.1
350- 375	25								0.1	0.1	0.3	0.6	0.3	0.4	0.1	0.3	0.1	0.1	0.1
375- 400	25								0.1	0.2	0.4	0.5	0.2	0.3	0.1	0.2	0.1	0.1	0.1
400- 425	25								0.1	0.3	0.5	0.3	0.1	0.3	0.1	0.2	0.1	0.1	0.1

Table 11, Continuation

Equivalent dose rate resulted from activation of Toroid by high-energy hadrons 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								1.6	2.2	2.6	3.3	5.1	10.2	21.1	43.1	70.9	88.2	97.3
10- 20	15								1.4	1.9	2.3	2.9	4.5	9	18.6	36.6	59.4	75.5	84.5
20- 38	18								1.5	2	2.4	3.1	4.7	9.4	17.6	30.2	52.1	68.7	77
38	0.								1.6	2.2	2.6	3.3	5	9.5	16	26.5	47.3	60.5	60.5
38- 60	22								1.7	2.4	2.8	3.5	5.1	8.8	12.2	23.2	28.4	26.5	25.6
60- 80	20								1.9	2.5	2.9	3.6	4.8	5.5	10	12.2	8.1	8.1	7.6
80- 100	20								1.9	2.5	2.9	3.2	3.2	3.8	9	4.3	3.9	3.3	2.7
100- 125	25								1.7	2.1	2.1	1.8	1.5	4.8	2.8	2.7	2.1	1.8	1.3
125- 150	25								1	1.1	0.9	0.7	1.8	3.2	1.9	1.6	1.4	1.1	0.8
150- 175	25								0.4	0.4	0.5	0.9	2.8	1.4	1.4	1.1	1	0.7	0.6
175- 200	25								0.2	0.4	0.7	1.8	2	1	1	0.8	0.8	0.5	0.4
200- 225	25								0.4	0.8	1.6	2.2	0.8	0.8	0.8	0.6	0.6	0.4	0.3
225- 250	25								1	1.6	1.9	1	0.5	0.7	0.7	0.4	0.5	0.3	0.3
250- 275	25								1.4	1.6	0.9	0.3	0.5	0.5	0.5	0.4	0.4	0.2	0.2
275- 300	25								0.8	0.6	0.2	0.2	0.6	0.4	0.4	0.3	0.3	0.2	0.2
300- 325	25								0.2	0.2	0.1	0.3	0.5	0.4	0.2	0.3	0.2	0.1	0.1
325- 350	25								0.1	0.1	0.1	0.4	0.4	0.3	0.2	0.3	0.2	0.1	0.1
350- 375	25								0.1	0.1	0.2	0.5	0.2	0.3	0.1	0.2	0.1	0.1	0.1
375- 400	25								0.1	0.2	0.3	0.4	0.1	0.3	0.1	0.2	0.1	0.1	0.1
400- 425	25								0.1	0.3	0.4	0.3	0.1	0.2	0.1	0.2	0.1	0.1	0.1

Table 11, Continuation

Equivalent dose rate resulted from activation of Toroid by high-energy hadrons 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								0.4	0.6	0.7	0.8	1.3	2.6	5.4	11	18.3	23	25.1
10- 20	15								0.4	0.5	0.6	0.8	1.2	2.3	4.8	9.4	15.5	19.8	22.2
20- 38	18								0.4	0.5	0.6	0.8	1.2	2.4	4.5	7.9	13.6	18.1	20.3
38	0.								0.4	0.6	0.7	0.8	1.2	2.4	4.1	6.9	12.3	16	16
38- 60	22								0.4	0.6	0.7	0.9	1.3	2.2	3.2	6	7.6	7.3	7.1
60- 80	20								0.5	0.6	0.7	0.9	1.2	1.4	2.6	3.2	2.3	2.3	2.2
80- 100	20								0.5	0.6	0.7	0.8	0.8	1	2.3	1.2	1.1	0.9	0.7
100- 125	25								0.4	0.5	0.5	0.5	0.4	1.2	0.7	0.7	0.5	0.4	0.3
125- 150	25								0.2	0.3	0.2	0.2	0.5	0.8	0.5	0.4	0.3	0.3	0.2
150- 175	25								0.1	0.1	0.1	0.2	0.7	0.4	0.4	0.3	0.3	0.2	0.1
175- 200	25								0.1	0.1	0.2	0.5	0.5	0.3	0.3	0.2	0.2	0.1	0.1
200- 225	25								0.1	0.2	0.4	0.6	0.2	0.2	0.2	0.1	0.1	0.1	0.1
225- 250	25								0.2	0.4	0.5	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1
250- 275	25								0.3	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0
275- 300	25								0.2	0.2	0.1	0	0.2	0.1	0.1	0.1	0.1	0	0
300- 325	25								0.1	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0
325- 350	25								0	0	0	0.1	0.1	0.1	0	0.1	0	0	0
350- 375	25								0	0	0.1	0.1	0.1	0.1	0	0.1	0	0	0
375- 400	25								0	0	0.1	0.1	0	0.1	0	0.1	0	0	0
400- 425	25								0	0.1	0.1	0.1	0	0.1	0	0	0	0	0

Table 11, Continuation

Equivalent dose rate resulted from activation of Toroid by high-energy hadrons for T= 5y, t=100d

R/Z,		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
cm	dR\dZ	0	25	25	23	0	10	12	25	25	50	50	100	100	50	50	15	10	0
0- 10	10								0.6	0.8	0.9	1.2	1.8	3.6	7.4	15.1	25	31.2	34.2
10- 20	15								0.5	0.7	0.8	1	1.6	3.2	6.6	12.9	21.1	26.9	30.1
20- 38	18								0.5	0.7	0.9	1.1	1.7	3.3	6.2	10.7	18.6	24.5	27.4
38	0.								0.6	0.8	0.9	1.2	1.7	3.4	5.6	9.4	17	22	22
38- 60	22								0.6	0.8	1	1.2	1.8	3.1	4.4	8.2	10.2	9.8	9.6
60- 80	20								0.7	0.9	1	1.3	1.7	2	3.6	4.4	3.1	3.1	3
80- 100	20								0.7	0.9	1	1.1	1.1	1.4	3.2	1.7	1.5	1.2	1
100- 125	25								0.6	0.7	0.7	0.6	0.6	1.7	1.1	1	0.8	0.7	0.5
125- 150	25								0.4	0.4	0.3	0.3	0.7	1.2	0.8	0.7	0.6	0.5	0.4
150- 175	25								0.1	0.2	0.2	0.3	1	0.6	0.6	0.5	0.5	0.4	0.3
175- 200	25								0.1	0.2	0.3	0.7	0.7	0.4	0.4	0.3	0.4	0.3	0.3
200- 225	25								0.2	0.3	0.6	0.8	0.3	0.3	0.3	0.3	0.3	0.2	0.2
225- 250	25								0.4	0.6	0.7	0.4	0.2	0.3	0.3	0.2	0.2	0.2	0.2
250- 275	25								0.5	0.6	0.3	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1
275- 300	25								0.3	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1
300- 325	25								0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1
325- 350	25								0	0	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
350- 375	25								0	0	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
375- 400	25								0	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
400- 425	25								0.1	0.1	0.2	0.1	0.1	0.1	0	0.1	0	0	0

Table 11, Continuation

Equivalent dose rate resulted from activation of Toroid by high-energy hadrons for T= 10y, t=100d

R/Z,		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
Cm	dR\dZ	0	25	25	23	0	10	12	25	25	50	50	100	100	50	50	15	10	0
0- 10	10								0.6	0.8	1	1.3	2	3.9	8	16.2	26.6	33.2	36.7
10- 20	15								0.5	0.7	0.9	1.1	1.7	3.4	7.1	13.9	22.7	28.6	32.1
20- 38	18								0.6	0.8	0.9	1.2	1.8	3.5	6.6	11.5	19.9	26.2	29.3
38	0.								0.6	0.8	1	1.3	1.9	3.6	6	10.2	18	23	23.5
38- 60	22								0.7	0.9	1.1	1.3	1.9	3.3	4.7	8.8	11	10.5	10.3
60- 80	20								0.7	1	1.1	1.4	1.8	2.1	3.8	4.7	3.3	3.4	3.2
80- 100	20								0.7	1	1.1	1.2	1.2	1.5	3.4	1.8	1.6	1.4	1.1
100- 125	25								0.6	0.8	0.8	0.7	0.6	1.8	1.2	1.1	0.9	0.8	0.6
125- 150	25								0.4	0.4	0.3	0.3	0.7	1.3	0.8	0.7	0.7	0.6	0.5
150- 175	25								0.1	0.2	0.2	0.4	1.1	0.6	0.6	0.5	0.6	0.5	0.4
175- 200	25								0.1	0.2	0.3	0.7	0.8	0.4	0.5	0.4	0.4	0.3	0.3
200- 225	25								0.2	0.3	0.6	0.8	0.3	0.4	0.4	0.3	0.4	0.3	0.3
225- 250	25								0.4	0.6	0.7	0.4	0.2	0.3	0.3	0.3	0.3	0.2	0.2
250- 275	25								0.5	0.6	0.4	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
275- 300	25								0.3	0.2	0.1	0.1	0.3	0.2	0.2	0.2	0.2	0.1	0.1
300- 325	25								0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.1
325- 350	25								0	0	0.1	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.1
350- 375	25								0	0	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1
375- 400	25								0	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
400- 425	25								0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0

Table 12

Equivalent dose rate resulted from activation of Toroid by low energy neutrons 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								3.3	4.6	5.5	7	10.4	17.5	39.6	85.3	150	190	215
10- 20	15								3	4.1	4.9	6.3	9.3	16.4	36.9	82.5	147.2	190	214.4
20- 38	18								2.6	3.6	4.2	5.3	7.6	14.9	32.9	73.6	133.7	178.7	203
38	0.								2.5	3.4	4	5	6.8	14.2	30.7	67.6	120	165	190
38- 60	22								2.5	3.4	4	4.8	6.4	13.6	28.4	57.2	93	121.3	136.5
60- 80	20								2.6	3.4	3.8	4.4	5.9	12.1	23.8	37.7	47.7	51.8	51
80- 100	20								2.4	3.2	3.4	3.7	5.5	10.5	18.6	22.7	20.7	16.3	11.2
100- 125	25								2	2.5	2.6	2.9	4.8	9.1	12.3	13.1	9.3	6.4	3.6
125- 150	25								1.3	1.6	1.8	2.7	4.6	7.2	8.9	7.3	5.3	3.1	1.4
150- 175	25								0.8	1.3	1.9	3	4.5	5.4	6.4	4.3	3.7	1.6	0.6
175- 200	25								1	1.7	2.5	3.5	3.5	4.5	4.4	2.7	2.7	0.8	0.3
200- 225	25								1.6	2.4	3	3.2	2.4	3.7	3.5	1.8	1.9	0.4	0.1
225- 250	25								2.1	2.8	2.8	1.8	2.1	2.8	2.8	1.3	1.3	0.2	0.1
250- 275	25								2.1	2.4	1.6	0.8	2.4	2.1	2	1.1	0.8	0.1	0
275- 300	25								1.3	1.2	0.6	0.7	2.5	1.6	1.2	1.1	0.5	0.1	0
300- 325	25								0.5	0.4	0.3	1.3	2.2	1.4	0.6	1	0.3	0	0
325- 350	25								0.1	0.1	0.6	1.9	1.5	1.4	0.3	0.9	0.2	0	0
350- 375	25								0.1	0.3	1.1	2.2	0.8	1.4	0.2	0.8	0.1	0	0
375- 400	25								0.2	0.7	1.7	2.1	0.4	1.2	0.2	0.8	0.1	0	0
400- 425	25								0.6	1.3	2	1.3	0.3	1	0.2	0.7	0	0	0

Table 12, Continuation

Equivalent dose rate resulted from activation of Toroid by low energy neutrons 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								0.2	0.2	0.3	0.4	0.5	0.9	2.1	4.5	7.8	10.3	11.5
10- 20	15								0.2	0.2	0.3	0.3	0.5	0.9	1.9	4.3	7.7	10.2	11.5
20- 38	18								0.1	0.2	0.2	0.3	0.4	0.8	1.7	3.8	7	9.3	10.6
38	0.								0.1	0.2	0.2	0.3	0.4	0.7	1.6	3.5	6.2	8.5	9.6
38- 60	22								0.1	0.2	0.2	0.2	0.3	0.7	1.5	3	4.9	6.4	7.1
60- 80	20								0.1	0.2	0.2	0.2	0.3	0.6	1.2	2	2.5	2.7	2.7
80- 100	20								0.1	0.2	0.2	0.2	0.3	0.6	1	1.2	1.1	0.9	0.6
100- 125	25								0.1	0.1	0.1	0.2	0.3	0.5	0.7	0.7	0.5	0.4	0.2
125- 150	25								0.1	0.1	0.1	0.1	0.2	0.4	0.5	0.4	0.3	0.2	0.1
150- 175	25								0	0.1	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0
175- 200	25								0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0	0
200- 225	25								0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0	0
225- 250	25								0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0
250- 275	25								0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0	0	0
275- 300	25								0.1	0.1	0	0	0.1	0.1	0.1	0.1	0	0	0
300- 325	25								0	0	0	0.1	0.1	0.1	0	0.1	0	0	0
325- 350	25								0	0	0	0.1	0.1	0.1	0	0	0	0	0
350- 375	25								0	0	0.1	0.1	0	0.1	0	0	0	0	0
375- 400	25								0	0	0.1	0.1	0	0.1	0	0	0	0	0
400- 425	25								0	0.1	0.1	0.1	0	0.1	0	0	0	0	0

Table 12, Continuation

Equivalent dose rate resulted from activation of Toroid by low energy neutrons 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								3.6	4.9	5.8	7.5	11.1	18.7	42.3	91.9	162.3	205	230
10- 20	15								3.2	4.4	5.2	6.7	9.9	17.5	39.3	88.7	156.5	204.3	229.4
20- 38	18								2.8	3.8	4.5	5.7	8.1	15.9	35.1	78.3	142.8	190.4	216.7
38	0.								2.7	3.7	4.3	5.3	7.3	15.1	32.7	71.5	130	175	200
38- 60	22								2.7	3.7	4.2	5.1	6.8	14.5	30.2	61.2	99.3	128.5	145.7
60- 80	20								2.7	3.7	4.1	4.7	6.3	13	25.4	40.4	51.1	55.5	54.6
80- 100	20								2.6	3.4	3.7	4	5.9	11.2	20	24.3	22.2	17.5	12.1
100- 125	25								2.1	2.7	2.8	3.1	5.2	9.8	13.2	14.1	9.9	6.8	3.8
125- 150	25								1.4	1.8	2	2.9	4.9	7.7	9.5	7.8	5.7	3.4	1.5
150- 175	25								0.9	1.4	2	3.3	4.8	5.8	6.9	4.5	4	1.7	0.7
175- 200	25								1.1	1.8	2.7	3.8	3.7	4.8	4.7	2.9	2.9	0.9	0.3
200- 225	25								1.7	2.6	3.3	3.4	2.5	3.9	3.7	1.9	2	0.4	0.1
225- 250	25								2.2	3	3	2	2.2	3	3	1.4	1.3	0.2	0.1
250- 275	25								2.2	2.5	1.7	0.8	2.5	2.2	2.1	1.2	0.9	0.1	0
275- 300	25								1.4	1.3	0.6	0.8	2.7	1.7	1.3	1.1	0.5	0.1	0
300- 325	25								0.6	0.4	0.3	1.4	2.3	1.5	0.7	1.1	0.3	0	0
325- 350	25								0.1	0.1	0.6	2.1	1.6	1.5	0.3	1	0.2	0	0
350- 375	25								0.1	0.3	1.2	2.4	0.9	1.5	0.2	0.9	0.1	0	0
375- 400	25								0.2	0.8	1.8	2.2	0.4	1.3	0.2	0.8	0.1	0	0
400- 425	25								0.6	1.4	2.1	1.4	0.3	1.1	0.2	0.7	0	0	0

Table 12, Continuation

Equivalent dose rate resulted from activation of Toroid by low energy neutrons 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								0.4	0.6	0.7	0.8	1.3	2.1	4.8	10.4	18	23.5	26.3
10- 20	15								0.4	0.5	0.6	0.8	1.1	2	4.4	9.9	17.8	23.1	25.6
20- 38	18								0.3	0.4	0.5	0.6	0.9	1.8	4	8.9	16.1	21.5	24.5
38	0.								0.3	0.4	0.5	0.6	0.8	1.7	3.7	8.2	14.3	19.5	22.5
38- 60	22								0.3	0.4	0.5	0.6	0.8	1.6	3.4	6.9	11.1	14.7	16.6
60- 80	20								0.3	0.4	0.5	0.5	0.7	1.5	2.9	4.6	5.8	6.3	6.3
80- 100	20								0.3	0.4	0.4	0.5	0.7	1.3	2.3	2.8	2.6	2.1	1.4
100- 125	25								0.2	0.3	0.3	0.4	0.6	1.1	1.5	1.6	1.2	0.8	0.5
125- 150	25								0.2	0.2	0.2	0.3	0.6	0.9	1.1	0.9	0.7	0.4	0.2
150- 175	25								0.1	0.2	0.2	0.4	0.5	0.7	0.8	0.5	0.5	0.2	0.1
175- 200	25								0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.3	0.3	0.1	0
200- 225	25								0.2	0.3	0.4	0.4	0.3	0.5	0.4	0.2	0.2	0.1	0
225- 250	25								0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.2	0.2	0	0
250- 275	25								0.2	0.3	0.2	0.1	0.3	0.3	0.2	0.1	0.1	0	0
275- 300	25								0.2	0.1	0.1	0.1	0.3	0.2	0.2	0.1	0.1	0	0
300- 325	25								0.1	0	0	0.2	0.3	0.2	0.1	0.1	0	0	0
325- 350	25								0	0	0.1	0.2	0.2	0.2	0	0.1	0	0	0
350- 375	25								0	0	0.1	0.3	0.1	0.2	0	0.1	0	0	0
375- 400	25								0	0.1	0.2	0.3	0.1	0.1	0	0.1	0	0	0
400- 425	25								0.1	0.2	0.2	0.2	0	0.1	0	0.1	0	0	0

Table 12, Continuation

Equivalent dose rate resulted from activation of Toroid by low energy neutrons 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								3.8	5.2	6.1	7.9	11.7	19.7	44.6	97.9	166.7	215	245
10- 20	15								3.4	4.7	5.5	7	10.4	18.5	41.3	92.8	165.2	215	240.3
20- 38	18								2.9	4	4.8	6	8.5	16.7	36.9	82.7	150.7	200.7	227.6
38	0.								2.8	3.9	4.6	5.6	7.7	16	34.3	75.8	133.3	185	210
38- 60	22								2.8	3.9	4.5	5.4	7.2	15.2	31.9	64.3	104.9	136.7	154
60- 80	20								2.9	3.9	4.3	4.9	6.6	13.6	26.7	42.5	53.8	58.5	57.7
80- 100	20								2.8	3.6	3.9	4.2	6.2	11.8	21	25.7	23.4	18.4	12.7
100- 125	25								2.2	2.8	2.9	3.3	5.4	10.3	13.9	15	10.5	7.3	4.1
125- 150	25								1.5	1.9	2.1	3	5.2	8.2	10.1	8.2	6	3.5	1.6
150- 175	25								0.9	1.4	2.2	3.4	5	6.1	7.3	4.8	4.2	1.8	0.7
175- 200	25								1.2	1.9	2.8	4	3.9	5	5	3.1	3	0.9	0.3
200- 225	25								1.8	2.7	3.4	3.6	2.7	4.1	3.9	2	2.1	0.5	0.1
225- 250	25								2.3	3.2	3.1	2.1	2.3	3.2	3.2	1.5	1.4	0.2	0.1
250- 275	25								2.3	2.7	1.8	0.9	2.7	2.3	2.2	1.3	0.9	0.1	0
275- 300	25								1.5	1.4	0.7	0.8	2.9	1.8	1.4	1.2	0.6	0.1	0
300- 325	25								0.6	0.4	0.3	1.5	2.4	1.6	0.7	1.1	0.4	0	0
325- 350	25								0.1	0.2	0.6	2.2	1.7	1.6	0.4	1	0.2	0	0
350- 375	25								0.1	0.3	1.3	2.5	1	1.5	0.2	0.9	0.1	0	0
375- 400	25								0.3	0.8	1.9	2.3	0.5	1.4	0.2	0.9	0.1	0	0
400- 425	25								0.7	1.5	2.2	1.4	0.4	1.1	0.2	0.8	0	0	0

Table 12, Continuation

Equivalent dose rate resulted from activation of Toroid by low energy neutrons 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								0.6	0.8	1	1.2	1.8	3.1	6.9	15.2	26.3	34	38
10- 20	15								0.5	0.7	0.9	1.1	1.6	2.9	6.4	14.6	26	33.9	37.9
20- 38	18								0.5	0.6	0.7	0.9	1.3	2.6	5.8	12.9	23.5	31.5	35.9
38	0.								0.4	0.6	0.7	0.9	1.2	2.5	5.4	11.9	21	29	33
38- 60	22								0.4	0.6	0.7	0.8	1.1	2.4	5	10.1	16.4	21.4	24
60- 80	20								0.5	0.6	0.7	0.8	1	2.1	4.2	6.7	8.5	9.2	9
80- 100	20								0.4	0.6	0.6	0.7	1	1.9	3.3	4	3.7	3	2.1
100- 125	25								0.4	0.4	0.5	0.5	0.9	1.6	2.2	2.4	1.7	1.2	0.7
125- 150	25								0.2	0.3	0.3	0.5	0.8	1.3	1.6	1.3	1	0.6	0.3
150- 175	25								0.2	0.2	0.3	0.5	0.8	1	1.2	0.8	0.7	0.3	0.1
175- 200	25								0.2	0.3	0.4	0.6	0.6	0.8	0.8	0.5	0.5	0.2	0.1
200- 225	25								0.3	0.4	0.5	0.6	0.4	0.7	0.6	0.3	0.3	0.1	0
225- 250	25								0.4	0.5	0.5	0.3	0.4	0.5	0.5	0.2	0.2	0	0
250- 275	25								0.4	0.4	0.3	0.1	0.4	0.4	0.4	0.2	0.2	0	0
275- 300	25								0.2	0.2	0.1	0.1	0.5	0.3	0.2	0.2	0.1	0	0
300- 325	25								0.1	0.1	0.1	0.2	0.4	0.3	0.1	0.2	0.1	0	0
325- 350	25								0	0	0.1	0.3	0.3	0.3	0.1	0.2	0	0	0
350- 375	25								0	0	0.2	0.4	0.2	0.2	0	0.2	0	0	0
375- 400	25								0	0.1	0.3	0.4	0.1	0.2	0	0.1	0	0	0
400- 425	25								0.1	0.2	0.3	0.2	0.1	0.2	0	0.1	0	0	0

Table 12, Continuation

Equivalent dose rate resulted from activation of Toroid by low energy neutrons 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								3.8	5.2	6.2	7.9	11.7	19.7	44.6	98	166.9	215	245
10- 20	15								3.4	4.7	5.5	7	10.4	18.5	41.3	92.8	165.2	215	241.5
20- 38	18								2.9	4	4.8	6	8.5	16.8	37	82.7	151.1	200.7	227.6
38	0.								2.8	3.9	4.6	5.6	7.7	16	34.4	75.8	133.3	185	210
38- 60	22								2.8	3.9	4.5	5.4	7.2	15.2	31.9	64.4	104.9	136.7	154
60- 80	20								2.9	3.9	4.3	4.9	6.6	13.7	26.7	42.6	53.9	58.6	57.7
80- 100	20								2.8	3.6	3.9	4.2	6.2	11.9	21.1	25.7	23.4	18.4	12.8
100- 125	25								2.2	2.8	2.9	3.3	5.4	10.3	14	15	10.5	7.3	4.1
125- 150	25								1.5	1.9	2.1	3	5.2	8.2	10.1	8.2	6	3.6	1.6
150- 175	25								1	1.4	2.2	3.4	5	6.1	7.3	4.8	4.2	1.8	0.7
175- 200	25								1.2	1.9	2.8	4	3.9	5	5	3.1	3	0.9	0.3
200- 225	25								1.8	2.7	3.4	3.6	2.7	4.2	3.9	2	2.1	0.5	0.1
225- 250	25								2.3	3.2	3.1	2.1	2.3	3.2	3.2	1.5	1.4	0.2	0.1
250- 275	25								2.3	2.7	1.8	0.9	2.7	2.3	2.2	1.3	0.9	0.1	0
275- 300	25								1.5	1.4	0.7	0.8	2.9	1.8	1.4	1.2	0.6	0.1	0
300- 325	25								0.6	0.4	0.3	1.5	2.4	1.6	0.7	1.1	0.4	0	0
325- 350	25								0.2	0.2	0.6	2.2	1.7	1.6	0.4	1	0.2	0	0
350- 375	25								0.1	0.3	1.3	2.5	1	1.5	0.2	0.9	0.1	0	0
375- 400	25								0.3	0.8	1.9	2.3	0.5	1.4	0.2	0.9	0.1	0	0
400- 425	25								0.7	1.5	2.2	1.4	0.4	1.1	0.2	0.8	0	0	0

Table 12, Continuation

Equivalent dose rate resulted from activation of Toroid by low energy neutrons 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								0.6	0.8	1	1.2	1.8	3.1	7	15.2	26.4	34	38
10- 20	15								0.5	0.7	0.9	1.1	1.6	2.9	6.5	14.6	26.1	34	38
20- 38	18								0.5	0.6	0.8	0.9	1.3	2.6	5.8	13	23.7	31.7	36
38	0.								0.4	0.6	0.7	0.9	1.2	2.5	5.4	11.9	21	29	33
38- 60	22								0.4	0.6	0.7	0.8	1.1	2.4	5	10.1	16.4	21.4	24.2
60- 80	20								0.5	0.6	0.7	0.8	1	2.2	4.2	6.7	8.5	9.3	9.2
80- 100	20								0.4	0.6	0.6	0.7	1	1.9	3.3	4.1	3.8	3	2.1
100- 125	25								0.4	0.5	0.5	0.5	0.9	1.6	2.2	2.4	1.7	1.2	0.7
125- 150	25								0.2	0.3	0.3	0.5	0.8	1.3	1.6	1.3	1	0.6	0.3
150- 175	25								0.2	0.2	0.3	0.5	0.8	1	1.2	0.8	0.7	0.3	0.1
175- 200	25								0.2	0.3	0.4	0.6	0.6	0.8	0.8	0.5	0.5	0.2	0.1
200- 225	25								0.3	0.4	0.5	0.6	0.4	0.7	0.6	0.3	0.3	0.1	0
225- 250	25								0.4	0.5	0.5	0.3	0.4	0.5	0.5	0.2	0.2	0	0
250- 275	25								0.4	0.4	0.3	0.1	0.4	0.4	0.4	0.2	0.2	0	0
275- 300	25								0.2	0.2	0.1	0.1	0.5	0.3	0.2	0.2	0.1	0	0
300- 325	25								0.1	0.1	0.1	0.2	0.4	0.3	0.1	0.2	0.1	0	0
325- 350	25								0	0	0.1	0.3	0.3	0.3	0.1	0.2	0	0	0
350- 375	25								0	0.1	0.2	0.4	0.2	0.2	0	0.2	0	0	0
375- 400	25								0	0.1	0.3	0.4	0.1	0.2	0	0.1	0	0	0
400- 425	25								0.1	0.2	0.4	0.2	0.1	0.2	0	0.1	0	0	0

Table 12, Continuation

Equivalent dose rate resulted from activation of Toroid by low energy neutrons 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	1349-1351
		0	25	25	23	0	10	12	25	25	50	50	100	100	50	50	15	10	0
0- 10	10								0.2	0.3	0.4	0.5	0.7	1.1	2.6	5.6	9.9	12.5	14
10- 20	15								0.2	0.3	0.3	0.4	0.6	1.1	2.4	5.4	9.7	12.5	14
20- 38	18								0.2	0.2	0.3	0.3	0.5	1	2.1	4.8	8.7	11.7	13.3
38	0.								0.2	0.2	0.3	0.3	0.4	0.9	2	4.4	7.8	10.4	12
38- 60	22								0.2	0.2	0.3	0.3	0.4	0.9	1.8	3.7	6.1	7.9	8.9
60- 80	20								0.2	0.2	0.3	0.3	0.4	0.8	1.6	2.5	3.1	3.4	3.4
80- 100	20								0.2	0.2	0.2	0.2	0.4	0.7	1.2	1.5	1.4	1.1	0.8
100- 125	25								0.1	0.2	0.2	0.2	0.3	0.6	0.8	0.9	0.6	0.4	0.3
125- 150	25								0.1	0.1	0.1	0.2	0.3	0.5	0.6	0.5	0.4	0.2	0.1
150- 175	25								0.1	0.1	0.1	0.2	0.3	0.4	0.4	0.3	0.2	0.1	0
175- 200	25								0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0
200- 225	25								0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0	0
225- 250	25								0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0	0
250- 275	25								0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0	0
275- 300	25								0.1	0.1	0	0	0.2	0.1	0.1	0.1	0	0	0
300- 325	25								0	0	0	0.1	0.1	0.1	0	0.1	0	0	0
325- 350	25								0	0	0	0.1	0.1	0.1	0	0.1	0	0	0
350- 375	25								0	0	0.1	0.1	0.1	0.1	0	0.1	0	0	0
375- 400	25								0	0	0.1	0.1	0	0.1	0	0.1	0	0	0
400- 425	25								0	0.1	0.1	0.1	0	0.1	0	0	0	0	0

Table 12, Continuation

Equivalent dose rate resulted from activation of Toroid by low energy neutrons for T= 5y, 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								0.4	0.5	0.6	0.7	1.1	1.9	4.2	9.1	15.9	20.5	23
10- 20	15								0.3	0.4	0.5	0.7	1	1.7	3.9	8.8	15.6	20.4	22.9
20- 38	18								0.3	0.4	0.5	0.6	0.8	1.6	3.5	7.8	14.3	19	21.7
38	0.								0.3	0.4	0.4	0.5	0.7	1.5	3.3	7.1	12.7	17.5	20
38- 60	22								0.3	0.4	0.4	0.5	0.7	1.4	3	6.1	9.9	12.8	14.5
60- 80	20								0.3	0.4	0.4	0.5	0.6	1.3	2.5	4	5.1	5.6	5.5
80- 100	20								0.3	0.3	0.4	0.4	0.6	1.1	2	2.5	2.3	1.8	1.3
100- 125	25								0.2	0.3	0.3	0.3	0.5	1	1.3	1.4	1	0.7	0.4
125- 150	25								0.1	0.2	0.2	0.3	0.5	0.8	1	0.8	0.6	0.4	0.2
150- 175	25								0.1	0.1	0.2	0.3	0.5	0.6	0.7	0.5	0.4	0.2	0.1
175- 200	25								0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.3	0.3	0.1	0
200- 225	25								0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.2	0.2	0	0
225- 250	25								0.2	0.3	0.3	0.2	0.2	0.3	0.3	0.1	0.1	0	0
250- 275	25								0.2	0.3	0.2	0.1	0.3	0.2	0.2	0.1	0.1	0	0
275- 300	25								0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.1	0.1	0	0
300- 325	25								0.1	0	0	0.1	0.2	0.2	0.1	0.1	0	0	0
325- 350	25								0	0	0.1	0.2	0.2	0.2	0	0.1	0	0	0
350- 375	25								0	0	0.1	0.2	0.1	0.1	0	0.1	0	0	0
375- 400	25								0	0.1	0.2	0.2	0	0.1	0	0.1	0	0	0
400- 425	25								0.1	0.1	0.2	0.1	0	0.1	0	0.1	0	0	0

Table 12, Continuation

Equivalent dose rate resulted from activation of Toroid by low energy neutrons for T= 10y, 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								0.4	0.5	0.6	0.7	1.1	1.9	4.2	9.2	16.3	20.5	23
10- 20	15								0.3	0.4	0.5	0.7	1	1.8	3.9	8.9	15.7	20.5	23
20- 38	18								0.3	0.4	0.5	0.6	0.8	1.6	3.5	7.8	14.3	19.1	21.7
38	0.								0.3	0.4	0.4	0.5	0.7	1.5	3.3	7.1	13	17.5	20
38- 60	22								0.3	0.4	0.4	0.5	0.7	1.5	3	6.1	9.9	12.8	14.5
60- 80	20								0.3	0.4	0.4	0.5	0.6	1.3	2.6	4.1	5.2	5.6	5.6
80- 100	20								0.3	0.3	0.4	0.4	0.6	1.1	2	2.5	2.3	1.8	1.3
100- 125	25								0.2	0.3	0.3	0.3	0.5	1	1.3	1.4	1	0.7	0.4
125- 150	25								0.1	0.2	0.2	0.3	0.5	0.8	1	0.8	0.6	0.4	0.2
150- 175	25								0.1	0.1	0.2	0.3	0.5	0.6	0.7	0.5	0.4	0.2	0.1
175- 200	25								0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.3	0.3	0.1	0
200- 225	25								0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.2	0.2	0.1	0
225- 250	25								0.2	0.3	0.3	0.2	0.2	0.3	0.3	0.1	0.1	0	0
250- 275	25								0.2	0.3	0.2	0.1	0.3	0.2	0.2	0.1	0.1	0	0
275- 300	25								0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.1	0.1	0	0
300- 325	25								0.1	0	0	0.1	0.2	0.2	0.1	0.1	0	0	0
325- 350	25								0	0	0.1	0.2	0.2	0.2	0	0.1	0	0	0
350- 375	25								0	0	0.1	0.2	0.1	0.1	0	0.1	0	0	0
375- 400	25								0	0.1	0.2	0.2	0	0.1	0	0.1	0	0	0
400- 425	25								0.1	0.1	0.2	0.1	0	0.1	0	0.1	0	0	0

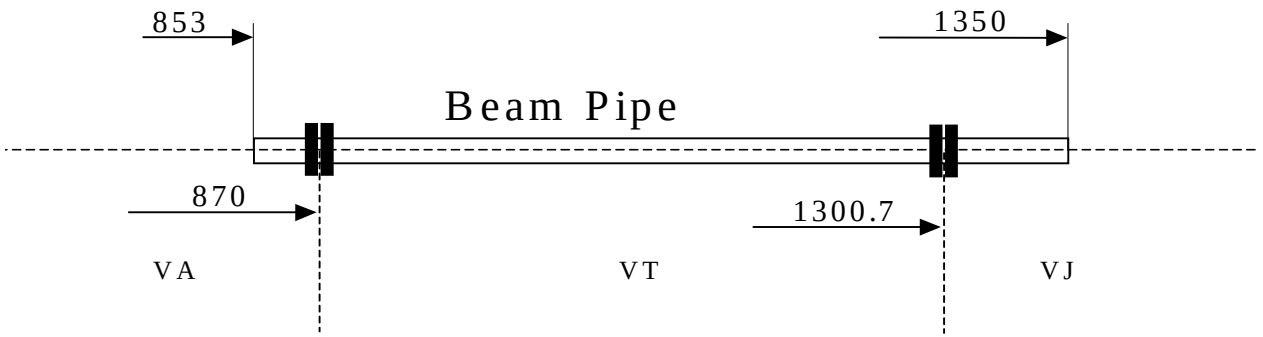

Fig.6. To dose rate calculation from Beam Pipe in access scenario to the area between JDisk and Toroid

Table 13

Equivalent dose rate resulted from activation of Beam Pipe by high-energy hadrons for T= 30d, t=1d

R/Z,		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
cm	dR\dZ	0	25	25	23	0	10	12	25	25	50	50	100	100	50	50	15	10	0
0- 10	10																		
10- 20	15					685.5	873.1	1184.4	1002.2	831	1080.3	1420.3	799.5	543.3	655.5	1225.2	583.9	394.1	316.9
20- 38	18					338.9	380.5	454.6	461.6	443	535.8	641.4	415.7	293.8	357.3	499.1	309	230.2	200.4
38	0.					241	261.2	299.2	321.5	330	387.5	442.8	310	225.5	267.2	326.1	227.6	179.6	161
38- 60	22	6.6	10.4	24.4	67.2	176.3	187.2	209.6	230	245.7	282.9	312.8	234	175.8	199.3	221.5	167.1	138.5	127.1
60- 80	20	21.8	26.6	41.8	82.8	117	122.4	133.8	148.3	163.3	184.1	196.9	160.5	126.6	133.5	133.8	109.4	96.2	90.6
80- 100	20	25.2	29.4	44.3	72.4	86.3	89.3	96.3	106.2	117.4	130.6	137.7	119	97.5	97.1	92.3	78.7	71.5	68.4
100- 125	25	25.3	29	42.5	58.5	65.4	67.3	71.7	78.3	85.9	94.6	99.2	89.7	76	72.4	66.7	58.4	54.2	52.4
125- 150	25	23.7	28.1	37.7	46.4	50.7	51.9	54.8	59.1	64.3	70.1	73.3	68.7	59.8	55.3	50.2	44.7	42.1	41
150- 175	25	23.4	25.9	32.8	37.9	40.7	41.6	43.5	46.5	50.1	54.1	56.7	54.4	48.3	44	39.7	35.7	34	33.3
175- 200	25	21.4	23.1	28.3	31.6	33.5	34.1	35.5	37.7	40.2	43.1	45.2	44.1	39.8	36	32.4	29.5	28.2	27.7
200- 225	25	18.9	21	24.3	26.9	28.2	28.6	29.6	31.2	33.1	35.3	36.9	36.5	33.3	30.1	27.2	24.9	24	23.5
225- 250	25	17	19	21.1	23.1	24	24.4	25.1	26.3	27.8	29.4	30.8	30.6	28.3	25.6	23.2	21.4	20.7	20.4
250- 275	25	16.4	17.1	18.5	20.1	20.8	21	21.6	22.5	23.6	24.9	26	26.1	24.3	22	20.1	18.6	18.1	17.8
275- 300	25	14.7	15.2	16.3	17.6	18.1	18.3	18.8	19.5	20.4	21.4	22.3	22.4	21.1	19.2	17.6	16.4	15.9	15.7
300- 325	25	13.2	13.6	14.5	15.5	16	16.1	16.5	17.1	17.8	18.6	19.3	19.5	18.4	16.9	15.5	14.6	14.2	14
325- 350	25	11.9	12.2	13	13.8	14.2	14.3	14.6	15.1	15.6	16.3	16.9	17.1	16.2	14.9	13.8	13	12.7	12.6
350- 375	25	10.8	11	11.7	12.4	12.7	12.8	13	13.4	13.8	14.4	14.9	15.1	14.4	13.3	12.4	11.7	11.5	11.3
375- 400	25	9.8	10	10.6	11.1	11.4	11.5	11.7	12	12.4	12.8	13.3	13.4	12.9	12	11.2	10.6	10.4	10.3
400- 425	25	8.9	9.1	9.7	10.1	10.3	10.4	10.5	10.8	11.1	11.5	11.9	12	11.5	10.8	10.1	9.6	9.4	9.4

Table 13, Continuation

Equivalent dose rate resulted from activation of Beam Pipe by high-energy hadrons 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					443.8	564.4	767.6	648.7	537.5	693.5	906.7	512.3	350.4	422.7	789.9	376.7	254.4	204.6
20- 38	18					219	246.1	294.1	298.4	285.9	343.9	409.9	266.4	189.3	230.3	321.8	199.2	148.4	129.2
38	0.					156	168.8	193.3	207.6	212.9	248.7	283.2	198.7	145.3	172.4	210.3	146.8	115.7	104
38- 60	22	4.3	6.6	15.7	43.2	113.7	120.9	135.3	148.4	158.3	181.5	200.2	150.1	113.2	128.4	142.9	107.8	89.3	81.9
60- 80	20	14	17.1	26.8	53.3	75.6	79	86.3	95.6	105.1	118.2	126.1	103	81.5	86	86.3	70.6	62	58.4
80- 100	20	16.1	18.9	28.5	46.6	55.6	57.6	62.1	68.4	75.5	83.9	88.3	76.4	62.8	62.6	59.5	50.7	46.1	44.1
100- 125	25	16.3	18.6	27.3	37.7	42.1	43.4	46.2	50.4	55.3	60.8	63.6	57.6	48.9	46.6	43	37.6	34.9	33.8
125- 150	25	15.2	18.1	24.3	29.9	32.6	33.4	35.3	38	41.3	45	47.1	44.1	38.4	35.6	32.3	28.8	27.1	26.4
150- 175	25	15	16.7	21.1	24.4	26.2	26.8	28	29.9	32.2	34.8	36.4	34.9	31.1	28.3	25.5	23	21.9	21.4
175- 200	25	13.8	14.9	18.2	20.4	21.6	22	22.9	24.2	25.9	27.7	29	28.3	25.6	23.2	20.9	19	18.2	17.9
200- 225	25	12.1	13.5	15.6	17.3	18.1	18.4	19.1	20.1	21.3	22.7	23.7	23.4	21.4	19.4	17.5	16	15.4	15.2
225- 250	25	10.9	12.3	13.5	14.9	15.4	15.7	16.2	16.9	17.8	18.9	19.8	19.7	18.2	16.5	14.9	13.8	13.3	13.1
250- 275	25	10.6	11	11.9	12.9	13.3	13.5	13.9	14.5	15.2	16	16.7	16.7	15.6	14.2	12.9	12	11.6	11.5
275- 300	25	9.4	9.8	10.5	11.3	11.6	11.8	12.1	12.5	13.1	13.8	14.3	14.4	13.5	12.4	11.3	10.6	10.3	10.1
300- 325	25	8.5	8.7	9.3	10	10.3	10.4	10.6	11	11.4	12	12.4	12.5	11.8	10.9	10	9.4	9.1	9
325- 350	25	7.6	7.9	8.4	8.9	9.1	9.2	9.4	9.7	10	10.5	10.9	11	10.4	9.6	8.9	8.4	8.2	8.1
350- 375	25	6.9	7.1	7.5	8	8.1	8.2	8.4	8.6	8.9	9.3	9.6	9.7	9.3	8.6	8	7.5	7.4	7.3
375- 400	25	6.3	6.4	6.8	7.2	7.3	7.4	7.5	7.7	7.9	8.3	8.5	8.6	8.3	7.7	7.2	6.8	6.7	6.6
400- 425	25	5.7	5.9	6.2	6.5	6.6	6.7	6.8	6.9	7.1	7.4	7.6	7.7	7.4	6.9	6.5	6.2	6.1	6

Table 13, Continuation

Equivalent dose rate resulted from activation of Beam Pipe by high-energy hadrons for T= 100d, t=1d

R/Z,		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
cm	dR\dZ	0	25	25	23	0	10	12	25	25	50	50	100	100	50	50	15	10	0
0- 10	10																		
10- 20	15					869	1105.1	1501.3	1270.9	1056.5	1373.1	1807.8	1019.3	692.8	835.3	1559.9	742.9	501.8	403.4
20- 38	18					429.5	482.4	576.5	585.7	562.6	681	816.4	529.8	374.5	455.2	635.5	393.2	292.8	254.8
38	0.					306	331.1	379.5	408	419.4	492.5	563.4	395.1	287.4	340.4	415.4	289.6	228.7	205
38- 60	22	8.5	13.2	31.1	85.4	223.7	237.4	265.9	292	312	359.6	398	298.2	224.1	253.9	282.1	212.7	176.3	161.7
60- 80	20	27.8	33.9	53.1	105.1	148.6	155.4	170	188.4	207.4	234.1	250.5	204.5	161.4	170	170.4	139.3	122.4	115.3
80- 100	20	32	37.4	56.4	91.9	109.6	113.5	122.4	135	149.2	166.1	175.1	151.5	124.2	123.8	117.6	100.2	91.1	87.1
100- 125	25	32.2	36.9	54	74.3	83.1	85.5	91.2	99.5	109.3	120.3	126.2	114.2	96.8	92.3	85	74.3	69.1	66.7
125- 150	25	30.2	35.7	47.9	59	64.4	66	69.7	75.2	81.8	89.1	93.3	87.4	76.1	70.5	63.9	56.9	53.6	52.2
150- 175	25	29.8	33	41.8	48.2	51.8	52.8	55.3	59.1	63.7	68.9	72.1	69.2	61.5	56	50.5	45.5	43.3	42.3
175- 200	25	27.2	29.4	36	40.2	42.6	43.4	45.2	47.9	51.2	54.9	57.4	56.1	50.7	45.8	41.3	37.5	35.9	35.2
200- 225	25	24	26.7	30.9	34.1	35.8	36.4	37.7	39.7	42.1	44.9	47	46.4	42.4	38.3	34.6	31.7	30.5	30
225- 250	25	21.6	24.2	26.8	29.4	30.6	31	32	33.5	35.3	37.5	39.1	39	36	32.6	29.5	27.3	26.3	25.9
250- 275	25	20.9	21.7	23.5	25.5	26.4	26.7	27.5	28.6	30	31.7	33.1	33.2	30.9	28.1	25.6	23.7	23	22.7
275- 300	25	18.6	19.3	20.8	22.3	23	23.3	23.9	24.8	25.9	27.3	28.4	28.6	26.8	24.4	22.4	20.9	20.3	20
300- 325	25	16.7	17.3	18.5	19.7	20.3	20.5	21	21.7	22.6	23.7	24.6	24.8	23.4	21.5	19.8	18.6	18.1	17.8
325- 350	25	15.1	15.5	16.6	17.6	18	18.2	18.6	19.1	19.9	20.7	21.5	21.7	20.6	19	17.6	16.6	16.2	16
350- 375	25	13.7	14	14.9	15.7	16.1	16.2	16.6	17	17.6	18.3	19	19.2	18.3	17	15.8	14.9	14.6	14.4
375- 400	25	12.5	12.8	13.5	14.2	14.5	14.6	14.8	15.2	15.7	16.3	16.9	17.1	16.4	15.2	14.2	13.5	13.2	13.1
400- 425	25	11.4	11.6	12.3	12.8	13.1	13.2	13.4	13.7	14.1	14.6	15.1	15.3	14.7	13.7	12.9	12.3	12	11.9

Table 13, Continuation

Equivalent dose rate resulted from activation of Beam Pipe by high-energy hadrons 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					617.7	785.7	1069	904	750.7	969.6	1270.8	719	491	591.7	1104.9	527.1	356.1	286.1
20- 38	18					305.2	342.9	409.7	416.2	399.3	480.9	574.4	373.7	265.3	322.5	450.3	278.8	207.7	180.9
38	0.					217	235.5	269.8	289.6	297.4	347.8	396.7	278.6	203.5	241	294.3	205.2	162.1	145
38- 60	22	6	9.3	21.9	60.5	158.8	168.5	188.7	207.1	221.1	254	280.4	210.3	158.6	179.9	199.9	150.8	125	114.6
60- 80	20	19.6	23.9	37.6	74.5	105.5	110.2	120.4	133.5	146.8	165.4	176.6	144.3	114.2	120.4	120.8	98.8	86.8	81.7
80- 100	20	22.6	26.4	39.9	65.1	77.6	80.4	86.7	95.5	105.5	117.3	123.6	107	87.9	87.6	83.3	71	64.5	61.7
100- 125	25	22.8	26.1	38.2	52.6	58.8	60.6	64.5	70.4	77.3	85	89.1	80.6	68.4	65.3	60.2	52.7	48.9	47.3
125- 150	25	21.4	25.3	33.9	41.7	45.6	46.7	49.3	53.2	57.8	63	65.9	61.8	53.8	49.9	45.2	40.3	38	37
150- 175	25	21.1	23.3	29.5	34.1	36.6	37.4	39.2	41.8	45.1	48.7	50.9	48.9	43.5	39.6	35.7	32.2	30.7	30
175- 200	25	19.2	20.8	25.5	28.5	30.2	30.7	32	33.9	36.2	38.8	40.6	39.6	35.8	32.4	29.2	26.6	25.5	25
200- 225	25	17	18.9	21.8	24.1	25.3	25.7	26.7	28.1	29.8	31.7	33.2	32.8	30	27.1	24.5	22.5	21.6	21.2
225- 250	25	15.3	17.1	18.9	20.8	21.6	21.9	22.6	23.7	25	26.5	27.7	27.6	25.5	23	20.9	19.3	18.6	18.3
250- 275	25	14.8	15.3	16.6	18	18.7	18.9	19.4	20.2	21.2	22.4	23.4	23.4	21.9	19.8	18.1	16.8	16.3	16
275- 300	25	13.2	13.6	14.7	15.8	16.3	16.5	16.9	17.6	18.3	19.3	20.1	20.2	19	17.3	15.8	14.8	14.4	14.2
300- 325	25	11.8	12.2	13.1	14	14.4	14.5	14.8	15.3	16	16.7	17.4	17.5	16.6	15.2	14	13.1	12.8	12.6
325- 350	25	10.7	11	11.7	12.4	12.7	12.9	13.1	13.5	14	14.7	15.2	15.4	14.6	13.5	12.5	11.7	11.4	11.3
350- 375	25	9.7	9.9	10.6	11.1	11.4	11.5	11.7	12	12.5	13	13.4	13.6	13	12	11.2	10.6	10.3	10.2
375- 400	25	8.8	9	9.6	10	10.2	10.3	10.5	10.8	11.1	11.5	11.9	12.1	11.6	10.8	10.1	9.6	9.4	9.3
400- 425	25	8	8.2	8.7	9.1	9.2	9.3	9.5	9.7	10	10.3	10.7	10.8	10.4	9.7	9.1	8.7	8.5	8.4

Table 13, Continuation

Equivalent dose rate resulted from activation of Beam Pipe by high-energy hadrons 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					921.4	1171	1589.1	1348.1	1120.5	1460.8	1927.1	1084.2	734.5	884.5	1652.2	787.9	532.2	427.6
20- 38	18					455.6	511.5	611	621.3	597.5	724.6	870	563.6	397.1	482.2	673.2	416.8	310.4	270.3
38	0.					325	351.7	402.2	433	445.3	524	600.4	420.1	304.7	360.6	439.9	307.2	242.5	217
38- 60	22	9	14	33.1	90.7	237	251.9	282.1	309.8	331.5	382.5	424	317.2	237.6	269	298.9	225.5	186.9	171.6
60- 80	20	29.6	36	56.5	111.7	157.9	165	180.4	200	220.4	249	266.7	217.5	171.2	180.2	180.6	147.8	129.9	122.1
80- 100	20	34.1	39.8	59.9	97.7	116.2	120.5	129.9	143.4	158.5	176.6	186.4	161.2	131.9	131.2	124.6	106.2	96.5	92.4
100- 125	25	34.3	39.2	57.4	78.9	88.2	90.8	96.8	105.7	116.2	127.9	134.2	121.4	102.7	97.8	90.1	78.8	73.2	70.8
125- 150	25	32.1	37.9	50.9	62.6	68.4	70.1	74	79.9	86.9	94.7	99.2	92.9	80.8	74.7	67.7	60.3	56.9	55.4
150- 175	25	31.7	35	44.4	51.2	55	56.1	58.8	62.8	67.7	73.2	76.6	73.6	65.3	59.4	53.6	48.3	45.9	44.9
175- 200	25	28.9	31.2	38.3	42.7	45.3	46.1	48	50.9	54.4	58.3	61.1	59.6	53.8	48.6	43.8	39.8	38.2	37.4
200- 225	25	25.5	28.4	32.8	36.3	38.1	38.7	40.1	42.2	44.7	47.7	49.9	49.3	45.1	40.7	36.7	33.7	32.4	31.8
225- 250	25	23	25.7	28.5	31.2	32.5	32.9	34	35.6	37.5	39.8	41.6	41.4	38.3	34.6	31.3	28.9	27.9	27.5
250- 275	25	22.2	23.1	24.9	27.1	28.1	28.4	29.2	30.4	31.9	33.7	35.2	35.2	32.8	29.8	27.1	25.2	24.4	24.1
275- 300	25	19.8	20.5	22.1	23.7	24.5	24.8	25.4	26.4	27.5	29	30.2	30.3	28.5	25.9	23.8	22.2	21.5	21.3
300- 325	25	17.8	18.4	19.6	21	21.6	21.8	22.3	23.1	24	25.2	26.2	26.4	24.9	22.8	21	19.7	19.2	18.9
325- 350	25	16.1	16.5	17.6	18.7	19.2	19.3	19.7	20.4	21.1	22	22.9	23.1	21.9	20.2	18.7	17.6	17.2	17
350- 375	25	14.5	14.9	15.9	16.7	17.1	17.2	17.6	18.1	18.7	19.5	20.2	20.4	19.5	18	16.8	15.9	15.5	15.3
375- 400	25	13.2	13.6	14.4	15.1	15.4	15.5	15.8	16.2	16.7	17.3	17.9	18.1	17.4	16.2	15.1	14.3	14	13.9
400- 425	25	12.1	12.4	13.1	13.6	13.9	14	14.2	14.6	15	15.5	16	16.2	15.6	14.6	13.7	13	12.8	12.7

Table 13, Continuation

Equivalent dose rate resulted from activation of Beam Pipe by high-energy hadrons 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					678.7	863.6	1173.1	993.4	825.9	1069.5	1404.2	794.9	541.7	652.5	1218.6	581.3	392.6	315.5
20- 38	18					335.6	377	450.4	457.6	439.4	530.3	634.8	413.1	292.7	355.7	496.6	307.4	229	199.3
38	0.					239	258.9	296.5	318.6	327.3	383.5	438.3	307.9	224.5	265.9	324.5	226.4	178.6	160
38- 60	22	6.6	10.3	24.2	66.6	174.4	185.3	207.6	227.9	243.5	280.1	309.8	232.5	175	198.4	220.5	166.2	137.9	126.4
60- 80	20	21.6	26.4	41.4	82	116.1	121.3	132.7	147	161.8	182.4	195	159.4	126	132.9	133.1	108.9	95.8	90.2
80- 100	20	25	29.1	44	71.7	85.5	88.6	95.4	105.2	116.3	129.4	136.4	118.2	97	96.7	91.9	78.3	71.2	68
100- 125	25	25.1	28.7	42.1	58	64.8	66.7	71.1	77.6	85.2	93.8	98.3	89	75.5	72.1	66.4	58.1	54	52.1
125- 150	25	23.5	27.8	37.4	46	50.3	51.5	54.3	58.6	63.7	69.5	72.7	68.2	59.4	55	49.9	44.4	41.9	40.8
150- 175	25	23.2	25.7	32.6	37.6	40.4	41.2	43.2	46.1	49.7	53.7	56.2	54	48	43.7	39.4	35.6	33.8	33.1
175- 200	25	21.2	22.9	28.1	31.4	33.2	33.8	35.2	37.3	39.9	42.8	44.8	43.7	39.5	35.8	32.2	29.3	28.1	27.5
200- 225	25	18.7	20.8	24.1	26.6	27.9	28.4	29.4	30.9	32.8	35	36.6	36.2	33.1	29.9	27	24.8	23.8	23.4
225- 250	25	16.9	18.9	20.9	22.9	23.8	24.2	25	26.1	27.5	29.2	30.5	30.4	28.1	25.4	23.1	21.3	20.6	20.3
250- 275	25	16.3	16.9	18.3	19.9	20.6	20.8	21.4	22.3	23.4	24.7	25.8	25.9	24.1	21.9	20	18.5	18	17.7
275- 300	25	14.5	15.1	16.2	17.4	18	18.2	18.6	19.3	20.2	21.3	22.1	22.3	20.9	19.1	17.5	16.3	15.8	15.6
300- 325	25	13	13.5	14.4	15.4	15.8	16	16.4	16.9	17.6	18.5	19.2	19.4	18.3	16.8	15.4	14.5	14.1	13.9
325- 350	25	11.8	12.1	12.9	13.7	14.1	14.2	14.5	14.9	15.5	16.2	16.8	17	16.1	14.8	13.7	12.9	12.6	12.5
350- 375	25	10.7	11	11.6	12.3	12.6	12.7	12.9	13.3	13.7	14.3	14.8	15	14.3	13.2	12.3	11.7	11.4	11.3
375- 400	25	9.7	9.9	10.6	11.1	11.3	11.4	11.6	11.9	12.3	12.7	13.2	13.3	12.8	11.9	11.1	10.5	10.3	10.2
400- 425	25	8.9	9.1	9.6	10	10.2	10.3	10.4	10.7	11	11.4	11.8	11.9	11.5	10.7	10.1	9.6	9.4	9.3

Table 13, Continuation

Equivalent dose rate resulted from activation of Beam Pipe by high-energy hadrons for T= 10y, t= 1d

R/Z, cm		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
	dR\dZ	0	25	25	23	0	10	12	25	25	50	50	100	100	50	50	15	10	0
0- 10	10																		
10- 20	15					923.3	1175	1595.8	1350.3	1124.3	1461.7	1926.6	1083.8	735.1	887.2	1657.4	790.1	533.7	428.9
20- 38	18					456.7	512.9	612.8	622.8	598.6	725	869.9	563.4	397.6	483.6	675.4	418.1	311.3	271.1
38	0.					326	352.5	403.5	433.8	446	524.3	600.3	420.1	305.1	361.5	441.4	308	242.9	218
38- 60	22	9	14	33.1	90.9	237.6	252.5	282.9	310.6	332	382.8	424	317.2	237.9	269.8	299.8	226.1	187.5	171.9
60- 80	20	29.6	36	56.6	111.9	158.2	165.3	180.8	200.3	220.7	249.2	266.8	217.5	171.4	180.7	181.2	148.1	130.3	122.8
80- 100	20	34.1	39.8	60	97.8	116.5	120.7	130.2	143.5	158.7	176.7	186.5	161.3	132	131.5	124.9	106.5	96.8	92.6
100- 125	25	34.3	39.2	57.5	79.1	88.3	90.9	96.9	105.8	116.3	128.1	134.3	121.5	102.8	98	90.3	79	73.4	70.9
125- 150	25	32.1	38	51	62.7	68.5	70.2	74.1	80	87	94.8	99.3	93	80.9	74.9	67.9	60.5	57	55.5
150- 175	25	31.7	35.1	44.4	51.3	55.1	56.2	58.9	62.9	67.8	73.3	76.7	73.6	65.4	59.5	53.7	48.4	46	45
175- 200	25	28.9	31.3	38.3	42.8	45.3	46.2	48.1	50.9	54.4	58.4	61.1	59.7	53.9	48.7	43.9	39.9	38.2	37.5
200- 225	25	25.6	28.4	32.9	36.3	38.1	38.7	40.1	42.2	44.8	47.8	50	49.4	45.1	40.7	36.8	33.7	32.4	31.9
225- 250	25	23	25.8	28.5	31.3	32.5	33	34	35.6	37.6	39.9	41.6	41.5	38.3	34.6	31.4	29	28	27.6
250- 275	25	22.2	23.1	25	27.1	28.1	28.4	29.2	30.5	32	33.7	35.2	35.3	32.9	29.8	27.2	25.2	24.4	24.1
275- 300	25	19.8	20.5	22.1	23.8	24.5	24.8	25.4	26.4	27.6	29	30.2	30.4	28.5	26	23.8	22.2	21.6	21.3
300- 325	25	17.8	18.4	19.7	21	21.6	21.8	22.3	23.1	24	25.2	26.2	26.4	24.9	22.8	21	19.7	19.2	19
325- 350	25	16.1	16.5	17.6	18.7	19.2	19.3	19.8	20.4	21.1	22.1	22.9	23.1	22	20.2	18.7	17.6	17.2	17
350- 375	25	14.6	14.9	15.9	16.7	17.1	17.3	17.6	18.1	18.7	19.5	20.2	20.4	19.5	18	16.8	15.9	15.5	15.3
375- 400	25	13.2	13.6	14.4	15.1	15.4	15.5	15.8	16.2	16.7	17.4	18	18.2	17.4	16.2	15.1	14.4	14.1	13.9
400- 425	25	12.1	12.4	13.1	13.6	13.9	14	14.2	14.6	15	15.6	16	16.2	15.6	14.6	13.7	13.1	12.8	12.7

Table 13, Continuation

Equivalent dose rate resulted from activation of Beam Pipe by high-energy hadrons 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					677.2	861.7	1170.3	991.8	824.2	1069.6	1403.9	794.4	541.9	652.9	1219.1	581.6	393	315.9
20- 38	18					334.8	376.2	449.5	456.8	438.9	530.2	634.5	412.8	292.8	355.8	496.8	307.6	229.2	199.4
38	0.					239	258.4	295.8	318.1	327	383.4	438.1	307.9	224.6	265.9	324.7	226.6	178.9	160
38- 60	22	6.6	10.3	24.2	66.6	174	185.1	207.4	227.7	243.3	279.9	309.6	232.3	175	198.4	220.6	166.2	137.9	126.4
60- 80	20	21.6	26.4	41.4	82	115.9	121.1	132.4	146.8	161.7	182.3	195	159.3	126	132.9	133.2	109	95.8	90.2
80- 100	20	25	29.1	43.9	71.7	85.4	88.4	95.3	105.1	116.2	129.2	136.4	118.1	97	96.7	91.9	78.3	71.2	68.1
100- 125	25	25.1	28.7	42.1	57.9	64.7	66.6	71	77.5	85.1	93.7	98.3	89	75.5	72.1	66.4	58.1	54	52.1
125- 150	25	23.5	27.8	37.4	46	50.2	51.4	54.3	58.6	63.7	69.4	72.7	68.1	59.4	55	49.9	44.4	41.9	40.8
150- 175	25	23.2	25.7	32.5	37.6	40.3	41.2	43.1	46.1	49.6	53.6	56.2	53.9	48	43.7	39.4	35.6	33.8	33.1
175- 200	25	21.2	22.9	28.1	31.3	33.2	33.8	35.2	37.3	39.9	42.8	44.8	43.7	39.5	35.8	32.2	29.3	28.1	27.6
200- 225	25	18.7	20.8	24.1	26.6	27.9	28.4	29.4	30.9	32.8	35	36.6	36.2	33.1	29.9	27	24.8	23.8	23.4
225- 250	25	16.8	18.9	20.9	22.9	23.8	24.2	24.9	26.1	27.5	29.2	30.5	30.4	28.1	25.4	23.1	21.3	20.6	20.3
250- 275	25	16.2	16.9	18.3	19.9	20.6	20.8	21.4	22.3	23.4	24.7	25.8	25.9	24.1	21.9	20	18.5	18	17.7
275- 300	25	14.5	15	16.2	17.4	17.9	18.2	18.6	19.3	20.2	21.2	22.1	22.3	20.9	19.1	17.5	16.3	15.8	15.6
300- 325	25	13	13.5	14.4	15.4	15.8	16	16.4	16.9	17.6	18.5	19.2	19.3	18.3	16.8	15.4	14.5	14.1	13.9
325- 350	25	11.8	12.1	12.9	13.7	14.1	14.2	14.5	14.9	15.5	16.2	16.8	16.9	16.1	14.8	13.7	12.9	12.6	12.5
350- 375	25	10.7	10.9	11.6	12.3	12.5	12.7	12.9	13.3	13.7	14.3	14.8	15	14.3	13.2	12.3	11.7	11.4	11.3
375- 400	25	9.7	9.9	10.5	11	11.3	11.4	11.6	11.9	12.3	12.7	13.2	13.3	12.8	11.9	11.1	10.5	10.3	10.2
400- 425	25	8.9	9.1	9.6	10	10.2	10.3	10.4	10.7	11	11.4	11.8	11.9	11.4	10.7	10.1	9.6	9.4	9.3

Table 13, Continuation

Equivalent dose rate resulted from activation of Beam Pipe by high-energy hadrons 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					108.4	137.9	187.3	159.1	133.7	178.1	239.8	134	89.2	106.5	198.6	94.7	64.1	51.5
20- 38	18					53.9	60.5	72.3	73.7	71.6	88.3	107.8	69.6	48.3	58.1	81	50.1	37.4	32.5
38	0.					38.5	41.7	47.8	51.6	53.5	63.9	74.2	51.8	37.1	43.5	52.9	37	29.2	26.2
38- 60	22	1.1	1.7	4.1	11	28.2	30	33.6	37	39.9	46.7	52.3	39.1	28.9	32.5	36	27.2	22.5	20.6
60- 80	20	3.6	4.4	6.9	13.4	18.9	19.7	21.6	24	26.6	30.4	32.8	26.7	20.8	21.8	21.8	17.8	15.7	14.7
80- 100	20	4.2	4.9	7.3	11.7	14	14.5	15.6	17.3	19.2	21.5	22.9	19.8	16	15.9	15	12.8	11.7	11.1
100- 125	25	4.2	4.8	6.9	9.5	10.6	11	11.7	12.8	14.1	15.6	16.4	14.9	12.5	11.8	10.9	9.5	8.8	8.5
125- 150	25	3.9	4.6	6.2	7.6	8.3	8.5	8.9	9.7	10.5	11.5	12.1	11.4	9.8	9.1	8.2	7.3	6.9	6.7
150- 175	25	3.8	4.3	5.4	6.2	6.7	6.8	7.1	7.6	8.2	8.9	9.4	9	7.9	7.2	6.5	5.8	5.6	5.4
175- 200	25	3.5	3.8	4.6	5.2	5.5	5.6	5.8	6.2	6.6	7.1	7.5	7.3	6.5	5.9	5.3	4.8	4.6	4.5
200- 225	25	3.1	3.4	4	4.4	4.6	4.7	4.9	5.1	5.4	5.8	6.1	6	5.5	4.9	4.5	4.1	3.9	3.9
225- 250	25	2.8	3.1	3.5	3.8	3.9	4	4.1	4.3	4.6	4.8	5.1	5.1	4.7	4.2	3.8	3.5	3.4	3.3
250- 275	25	2.7	2.8	3	3.3	3.4	3.4	3.5	3.7	3.9	4.1	4.3	4.3	4	3.6	3.3	3.1	3	2.9
275- 300	25	2.4	2.5	2.7	2.9	3	3	3.1	3.2	3.3	3.5	3.7	3.7	3.5	3.2	2.9	2.7	2.6	2.6
300- 325	25	2.2	2.2	2.4	2.5	2.6	2.6	2.7	2.8	2.9	3.1	3.2	3.2	3	2.8	2.6	2.4	2.3	2.3
325- 350	25	1.9	2	2.1	2.3	2.3	2.3	2.4	2.5	2.6	2.7	2.8	2.8	2.7	2.5	2.3	2.1	2.1	2.1
350- 375	25	1.8	1.8	1.9	2	2.1	2.1	2.1	2.2	2.3	2.4	2.5	2.5	2.4	2.2	2	1.9	1.9	1.9
375- 400	25	1.6	1.6	1.7	1.8	1.9	1.9	1.9	2	2	2.1	2.2	2.2	2.1	2	1.8	1.7	1.7	1.7
400- 425	25	1.5	1.5	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.9	1.9	2	1.9	1.8	1.7	1.6	1.6	1.5

Table 13, Continuation

Equivalent dose rate resulted from activation of Beam Pipe by high-energy hadrons for T= 5y, 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					153.3	195	264.6	224.9	189.1	252.3	340.7	190.2	126.3	151.2	281.9	134.5	90.9	73
20- 38	18					76.2	85.6	102.2	104.3	101.2	125.3	153.2	98.7	68.4	82.5	114.9	71.2	53	46.2
38	0.					54.5	59	67.6	72.9	75.7	90.6	105.5	73.5	52.5	61.7	75.1	52.5	41.4	37.1
38- 60	22	1.6	2.5	5.8	15.5	39.9	42.4	47.6	52.4	56.5	66.2	74.3	55.4	41	46.1	51.1	38.5	32	29.3
60- 80	20	5.2	6.3	9.8	19	26.7	27.9	30.6	34	37.7	43.1	46.6	37.9	29.5	30.9	30.9	25.3	22.2	20.9
80- 100	20	5.9	6.9	10.3	16.6	19.8	20.5	22.1	24.5	27.2	30.5	32.5	28.1	22.8	22.5	21.3	18.2	16.5	15.8
100- 125	25	5.9	6.8	9.8	13.5	15.1	15.5	16.5	18.1	20	22.1	23.3	21.1	17.7	16.8	15.5	13.5	12.5	12.1
125- 150	25	5.6	6.5	8.7	10.7	11.7	12	12.7	13.7	14.9	16.4	17.2	16.1	14	12.8	11.6	10.4	9.8	9.5
150- 175	25	5.5	6	7.6	8.8	9.4	9.6	10.1	10.8	11.7	12.6	13.3	12.8	11.3	10.2	9.2	8.3	7.9	7.7
175- 200	25	5	5.4	6.6	7.3	7.8	7.9	8.2	8.8	9.4	10.1	10.6	10.3	9.3	8.4	7.5	6.8	6.6	6.4
200- 225	25	4.4	4.9	5.6	6.2	6.5	6.6	6.9	7.3	7.7	8.2	8.6	8.5	7.8	7	6.3	5.8	5.6	5.5
225- 250	25	4	4.4	4.9	5.4	5.6	5.7	5.8	6.1	6.5	6.9	7.2	7.2	6.6	6	5.4	5	4.8	4.7
250- 275	25	3.8	4	4.3	4.7	4.8	4.9	5	5.2	5.5	5.8	6.1	6.1	5.7	5.1	4.7	4.3	4.2	4.1
275- 300	25	3.4	3.5	3.8	4.1	4.2	4.3	4.4	4.5	4.7	5	5.2	5.2	4.9	4.5	4.1	3.8	3.7	3.7
300- 325	25	3.1	3.2	3.4	3.6	3.7	3.8	3.8	4	4.1	4.3	4.5	4.6	4.3	3.9	3.6	3.4	3.3	3.3
325- 350	25	2.8	2.8	3	3.2	3.3	3.3	3.4	3.5	3.6	3.8	3.9	4	3.8	3.5	3.2	3	3	2.9
350- 375	25	2.5	2.6	2.7	2.9	2.9	3	3	3.1	3.2	3.4	3.5	3.5	3.4	3.1	2.9	2.7	2.7	2.6
375- 400	25	2.3	2.3	2.5	2.6	2.6	2.7	2.7	2.8	2.9	3	3.1	3.1	3	2.8	2.6	2.5	2.4	2.4
400- 425	25	2.1	2.1	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.7	2.8	2.8	2.7	2.5	2.4	2.2	2.2	2.2

Table 13, Continuation

Equivalent dose rate resulted from activation of Beam Pipe by high-energy hadrons for T= 10y, 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					154.3	196.3	266.2	226.3	190.1	253.5	342.4	191.1	127	152.2	283.6	135.3	91.4	73.5
20- 38	18					76.7	86.1	102.8	104.9	101.8	125.9	153.9	99.2	68.7	83	115.7	71.6	53.4	46.5
38	0.					54.8	59.3	68	73.4	76.1	91.1	105.8	73.9	52.8	62.1	75.6	52.8	41.7	37.4
38- 60	22	1.6	2.5	5.8	15.6	40.2	42.7	47.8	52.7	56.8	66.5	74.6	55.7	41.2	46.3	51.4	38.8	32.1	29.5
60- 80	20	5.2	6.3	9.8	19.1	26.9	28.1	30.8	34.2	37.9	43.3	46.8	38.1	29.7	31.1	31.1	25.4	22.4	21
80- 100	20	5.9	6.9	10.4	16.7	19.9	20.6	22.3	24.6	27.3	30.7	32.6	28.2	22.9	22.6	21.5	18.3	16.6	15.9
100- 125	25	6	6.8	9.9	13.5	15.1	15.6	16.6	18.2	20.1	22.2	23.4	21.2	17.8	16.9	15.5	13.6	12.6	12.2
125- 150	25	5.6	6.6	8.8	10.8	11.8	12.1	12.7	13.8	15	16.4	17.3	16.2	14	12.9	11.7	10.4	9.8	9.6
150- 175	25	5.5	6.1	7.6	8.8	9.5	9.7	10.1	10.9	11.7	12.7	13.3	12.8	11.3	10.3	9.3	8.3	7.9	7.8
175- 200	25	5	5.4	6.6	7.4	7.8	8	8.3	8.8	9.4	10.1	10.6	10.4	9.3	8.4	7.6	6.9	6.6	6.5
200- 225	25	4.4	4.9	5.7	6.3	6.6	6.7	6.9	7.3	7.8	8.3	8.7	8.6	7.8	7	6.4	5.8	5.6	5.5
225- 250	25	4	4.4	4.9	5.4	5.6	5.7	5.9	6.2	6.5	6.9	7.2	7.2	6.6	6	5.4	5	4.8	4.8
250- 275	25	3.8	4	4.3	4.7	4.9	4.9	5.1	5.3	5.5	5.8	6.1	6.1	5.7	5.2	4.7	4.4	4.2	4.2
275- 300	25	3.4	3.5	3.8	4.1	4.2	4.3	4.4	4.6	4.8	5	5.2	5.3	4.9	4.5	4.1	3.8	3.7	3.7
300- 325	25	3.1	3.2	3.4	3.6	3.7	3.8	3.9	4	4.2	4.4	4.5	4.6	4.3	4	3.6	3.4	3.3	3.3
325- 350	25	2.8	2.9	3	3.2	3.3	3.3	3.4	3.5	3.7	3.8	4	4	3.8	3.5	3.2	3	3	2.9
350- 375	25	2.5	2.6	2.7	2.9	3	3	3	3.1	3.2	3.4	3.5	3.5	3.4	3.1	2.9	2.7	2.7	2.7
375- 400	25	2.3	2.3	2.5	2.6	2.7	2.7	2.7	2.8	2.9	3	3.1	3.1	3	2.8	2.6	2.5	2.4	2.4
400- 425	25	2.1	2.1	2.3	2.4	2.4	2.4	2.5	2.5	2.6	2.7	2.8	2.8	2.7	2.5	2.4	2.3	2.2	2.2

Table 14

Equivalent dose rate resulted from activation of Beam Pipe by low energy neutrons 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					12.2	15.5	21.7	19.7	18.4	38	69.6	31.1	10.7	12.4	22.9	10.5	6.9	5.6
20- 38	18					6.8	7.6	9.2	10	11.2	19.1	29.7	16	6.4	6.9	9.5	5.8	4.3	3.7
38	0.					5.2	5.6	6.5	7.5	8.8	13.9	19.7	11.8	5.1	5.3	6.3	4.3	3.4	3.1
38- 60	22	0.2	0.4	0.9	2	4.1	4.3	4.9	5.7	6.9	10.1	13.4	8.8	4.2	4.1	4.3	3.3	2.7	2.5
60- 80	20	0.9	1	1.4	2.3	3	3.1	3.5	4	4.9	6.5	7.9	5.8	3.2	2.8	2.7	2.2	2	1.8
80- 100	20	0.9	1	1.4	2	2.3	2.4	2.7	3.1	3.6	4.6	5.3	4.2	2.6	2.2	2	1.7	1.5	1.4
100- 125	25	0.9	1	1.3	1.7	1.9	1.9	2.1	2.4	2.7	3.3	3.6	3.1	2.1	1.7	1.5	1.3	1.2	1.1
125- 150	25	0.8	0.9	1.2	1.4	1.5	1.5	1.7	1.8	2.1	2.4	2.6	2.3	1.7	1.3	1.2	1	1	0.9
150- 175	25	0.8	0.8	1	1.1	1.2	1.3	1.3	1.5	1.6	1.8	1.9	1.8	1.4	1.1	1	0.8	0.8	0.8
175- 200	25	0.7	0.7	0.9	1	1	1.1	1.1	1.2	1.3	1.4	1.5	1.4	1.1	0.9	0.8	0.7	0.7	0.7
200- 225	25	0.6	0.7	0.8	0.8	0.9	0.9	0.9	1	1.1	1.2	1.2	1.2	1	0.8	0.7	0.6	0.6	0.6
225- 250	25	0.5	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.9	0.9	1	1	0.8	0.7	0.6	0.5	0.5	0.5
250- 275	25	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.6	0.5	0.5	0.5	0.5
275- 300	25	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.6	0.5	0.5	0.4	0.4	0.4
300- 325	25	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.4
325- 350	25	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3
350- 375	25	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3
375- 400	25	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3
400- 425	25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3

Table 14, Continuation

Equivalent dose rate resulted from activation of Beam Pipe by low energy neutrons 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					7.9	9.9	13.7	12.9	13.4	32.1	61.8	27.9	9.5	11.1	20.6	9.4	6.2	5
20- 38	18					4.7	5.2	6.3	7.1	8.5	16.2	26.2	14.3	5.7	6.2	8.5	5.2	3.8	3.4
38	0.					3.7	4	4.6	5.5	6.9	11.7	17.3	10.5	4.6	4.7	5.6	3.9	3.1	2.8
38- 60	22	0.2	0.3	0.8	1.7	3	3.2	3.6	4.3	5.5	8.5	11.7	7.8	3.7	3.6	3.9	2.9	2.4	2.2
60- 80	20	0.8	0.9	1.2	1.8	2.3	2.4	2.7	3.2	4	5.5	6.9	5.2	2.8	2.5	2.4	2	1.7	1.6
80- 100	20	0.8	0.9	1.2	1.6	1.8	1.9	2.1	2.5	3	3.9	4.6	3.7	2.3	1.9	1.7	1.5	1.3	1.3
100- 125	25	0.7	0.8	1.1	1.4	1.5	1.6	1.7	1.9	2.3	2.8	3.2	2.7	1.8	1.5	1.3	1.1	1.1	1
125- 150	25	0.7	0.8	0.9	1.1	1.2	1.3	1.4	1.5	1.7	2	2.2	2	1.5	1.2	1	0.9	0.8	0.8
150- 175	25	0.6	0.7	0.8	0.9	1	1	1.1	1.2	1.4	1.5	1.7	1.6	1.2	1	0.8	0.7	0.7	0.7
175- 200	25	0.6	0.6	0.7	0.8	0.9	0.9	0.9	1	1.1	1.2	1.3	1.2	1	0.8	0.7	0.6	0.6	0.6
200- 225	25	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9	1	1	1	0.8	0.7	0.6	0.5	0.5	0.5
225- 250	25	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.9	0.8	0.7	0.6	0.5	0.5	0.5	0.5
250- 275	25	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.6	0.5	0.5	0.4	0.4	0.4
275- 300	25	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.4
300- 325	25	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3
325- 350	25	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3
350- 375	25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3
375- 400	25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
400- 425	25	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2

Table 14, Continuation

Equivalent dose rate resulted from activation of Beam Pipe by low energy neutrons 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					25.1	31.7	44	40.6	39.9	88.6	166	74.6	25.5	29.7	55	25.2	16.6	13.3
20- 38	18					14.4	16	19.3	21.4	24.7	44.5	70.6	38.2	15.2	16.6	22.7	13.9	10.3	9
38	0.					11.1	12	14	16.2	19.8	32.3	46.8	28.2	12.3	12.7	15.1	10.4	8.2	7.4
38- 60	22	0.5	0.9	2.2	4.7	8.8	9.4	10.7	12.6	15.6	23.5	31.7	20.9	10	9.7	10.4	7.8	6.5	6
60- 80	20	2	2.4	3.3	5.2	6.6	6.9	7.7	9.1	11.2	15.2	18.8	13.9	7.6	6.8	6.5	5.3	4.7	4.4
80- 100	20	2.1	2.4	3.2	4.6	5.3	5.5	6	7	8.4	10.6	12.5	10	6.1	5.2	4.7	4	3.6	3.5
100- 125	25	2	2.3	3	3.8	4.2	4.4	4.8	5.4	6.3	7.6	8.6	7.3	4.9	4	3.5	3.1	2.8	2.7
125- 150	25	1.9	2.1	2.6	3.1	3.4	3.5	3.8	4.2	4.8	5.5	6.1	5.5	3.9	3.2	2.8	2.4	2.3	2.2
150- 175	25	1.8	1.9	2.3	2.6	2.8	2.9	3.1	3.4	3.7	4.2	4.6	4.2	3.2	2.6	2.3	2	1.9	1.9
175- 200	25	1.6	1.7	2	2.2	2.4	2.4	2.5	2.7	3	3.3	3.6	3.4	2.7	2.2	1.9	1.7	1.6	1.6
200- 225	25	1.4	1.5	1.7	1.9	2	2.1	2.1	2.3	2.5	2.7	2.9	2.7	2.3	1.9	1.6	1.5	1.4	1.4
225- 250	25	1.3	1.4	1.5	1.7	1.7	1.8	1.8	1.9	2.1	2.2	2.3	2.3	1.9	1.6	1.4	1.3	1.2	1.2
250- 275	25	1.2	1.2	1.3	1.4	1.5	1.5	1.6	1.6	1.7	1.9	2	1.9	1.7	1.4	1.3	1.1	1.1	1.1
275- 300	25	1.1	1.1	1.2	1.3	1.3	1.3	1.4	1.4	1.5	1.6	1.7	1.6	1.4	1.3	1.1	1	1	1
300- 325	25	0.9	1	1	1.1	1.2	1.2	1.2	1.2	1.3	1.4	1.4	1.4	1.3	1.1	1	0.9	0.9	0.9
325- 350	25	0.9	0.9	0.9	1	1	1	1.1	1.1	1.1	1.2	1.2	1.2	1.1	1	0.9	0.8	0.8	0.8
350- 375	25	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1	1	1	1.1	1.1	1	0.9	0.8	0.8	0.7	0.7
375- 400	25	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1	1	0.9	0.8	0.7	0.7	0.7	0.7
400- 425	25	0.6	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6

Table 14, Continuation

Equivalent dose rate resulted from activation of Beam Pipe by low energy neutrons 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					20.4	25.6	35.4	33.2	34.2	80.9	154.7	69.9	23.8	27.8	51.6	23.6	15.5	12.5
20- 38	18					12	13.3	16.1	18	21.6	40.7	65.7	35.7	14.2	15.6	21.3	13	9.6	8.4
38	0.					9.4	10.2	11.8	13.9	17.5	29.5	43.5	26.3	11.4	11.9	14.1	9.8	7.7	6.9
38- 60	22	0.5	0.9	2	4.2	7.6	8.1	9.2	11	13.9	21.5	29.5	19.5	9.3	9.1	9.7	7.3	6.1	5.6
60- 80	20	1.9	2.2	3	4.6	5.8	6.1	6.8	8	10	13.9	17.4	12.9	7.1	6.3	6.1	5	4.4	4.1
80- 100	20	2	2.2	2.9	4	4.7	4.9	5.4	6.2	7.5	9.7	11.5	9.3	5.7	4.8	4.4	3.7	3.4	3.2
100- 125	25	1.9	2.1	2.7	3.4	3.8	3.9	4.3	4.9	5.7	6.9	7.9	6.8	4.6	3.7	3.3	2.8	2.6	2.6
125- 150	25	1.7	1.9	2.4	2.8	3.1	3.2	3.4	3.8	4.3	5.1	5.6	5.1	3.7	3	2.6	2.3	2.1	2.1
150- 175	25	1.6	1.7	2.1	2.4	2.6	2.6	2.8	3.1	3.4	3.9	4.2	3.9	3	2.4	2.1	1.9	1.8	1.7
175- 200	25	1.4	1.5	1.8	2	2.2	2.2	2.3	2.5	2.7	3	3.3	3.1	2.5	2.1	1.8	1.6	1.5	1.5
200- 225	25	1.3	1.4	1.6	1.7	1.8	1.9	1.9	2.1	2.2	2.5	2.6	2.5	2.1	1.7	1.5	1.4	1.3	1.3
225- 250	25	1.2	1.2	1.4	1.5	1.6	1.6	1.7	1.8	1.9	2	2.2	2.1	1.8	1.5	1.3	1.2	1.2	1.1
250- 275	25	1.1	1.1	1.2	1.3	1.4	1.4	1.4	1.5	1.6	1.7	1.8	1.8	1.5	1.3	1.2	1.1	1	1
275- 300	25	1	1	1.1	1.2	1.2	1.2	1.2	1.3	1.4	1.5	1.5	1.5	1.3	1.2	1	1	0.9	0.9
300- 325	25	0.9	0.9	1	1	1.1	1.1	1.1	1.1	1.2	1.3	1.3	1.3	1.2	1	0.9	0.9	0.8	0.8
325- 350	25	0.8	0.8	0.9	0.9	0.9	0.9	1	1	1	1.1	1.1	1.1	1	0.9	0.8	0.8	0.8	0.7
350- 375	25	0.7	0.7	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1	1	1	0.9	0.8	0.7	0.7	0.7	0.7
375- 400	25	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.8	0.7	0.7	0.6	0.6	0.6
400- 425	25	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6

Table 14, Continuation

Equivalent dose rate resulted from activation of Beam Pipe by low energy neutrons 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					42.6	54.2	76.1	68.8	63	124.4	220.9	97.6	34	39	72	32.9	21.7	17.5
20- 38	18					23.5	26.3	31.9	34.4	37.5	62.4	94.3	50.3	20.2	21.9	29.8	18.1	13.5	11.8
38	0.					17.8	19.3	22.3	25.4	29.6	45.1	62.7	37.2	16.3	16.7	19.7	13.6	10.8	9.7
38- 60	22	0.7	1.2	2.9	6.7	13.7	14.7	16.7	19.3	23	32.8	42.7	27.7	13.3	12.8	13.7	10.3	8.5	7.9
60- 80	20	2.7	3.2	4.6	7.6	10	10.4	11.6	13.4	16.1	21.1	25.4	18.5	10.1	9	8.6	7	6.2	5.8
80- 100	20	2.9	3.3	4.6	6.7	7.8	8.1	8.9	10.1	11.9	14.8	16.9	13.4	8.1	6.8	6.2	5.2	4.8	4.6
100- 125	25	2.8	3.1	4.3	5.5	6.2	6.4	6.9	7.7	8.9	10.5	11.7	9.8	6.5	5.3	4.7	4	3.8	3.6
125- 150	25	2.6	2.9	3.8	4.5	4.9	5.1	5.4	6	6.7	7.7	8.3	7.4	5.3	4.3	3.7	3.2	3	3
150- 175	25	2.4	2.7	3.3	3.7	4	4.1	4.4	4.7	5.2	5.8	6.3	5.7	4.3	3.5	3	2.7	2.5	2.5
175- 200	25	2.2	2.4	2.8	3.2	3.4	3.4	3.6	3.8	4.2	4.6	4.9	4.6	3.6	3	2.5	2.3	2.2	2.1
200- 225	25	2	2.1	2.4	2.7	2.8	2.9	3	3.2	3.4	3.7	3.9	3.7	3.1	2.5	2.2	2	1.9	1.9
225- 250	25	1.8	1.9	2.1	2.3	2.4	2.5	2.5	2.7	2.9	3.1	3.2	3.1	2.6	2.2	1.9	1.7	1.7	1.6
250- 275	25	1.6	1.7	1.9	2	2.1	2.1	2.2	2.3	2.4	2.6	2.7	2.6	2.2	1.9	1.7	1.5	1.5	1.5
275- 300	25	1.5	1.5	1.6	1.8	1.8	1.8	1.9	2	2.1	2.2	2.3	2.2	2	1.7	1.5	1.4	1.3	1.3
300- 325	25	1.3	1.4	1.5	1.6	1.6	1.6	1.7	1.7	1.8	1.9	1.9	1.9	1.7	1.5	1.3	1.2	1.2	1.2
325- 350	25	1.2	1.2	1.3	1.4	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.5	1.3	1.2	1.1	1.1	1.1
350- 375	25	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.5	1.5	1.3	1.2	1.1	1	1	1
375- 400	25	1	1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.2	1.1	1	0.9	0.9	0.9
400- 425	25	0.9	0.9	1	1	1	1	1	1.1	1.1	1.1	1.2	1.2	1.1	1	0.9	0.9	0.8	0.8

Table 14, Continuation

Equivalent dose rate resulted from activation of Beam Pipe by low energy neutrons 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					37.8	48	67.3	61.2	57.1	116.4	209	92.5	32.1	37	68.3	31.2	20.6	16.6
20- 38	18					21	23.6	28.5	31	34.3	58.3	89.1	47.6	19.1	20.8	28.2	17.2	12.8	11.2
38	0.					16	17.4	20.2	23	27.2	42.2	59.2	35.2	15.4	15.9	18.7	13	10.3	9.2
38- 60	22	0.6	1.1	2.8	6.2	12.5	13.3	15.1	17.6	21.2	30.7	40.3	26.2	12.6	12.1	13	9.7	8.1	7.5
60- 80	20	2.6	3	4.3	7	9.1	9.6	10.6	12.4	14.9	19.7	23.9	17.5	9.6	8.5	8.2	6.6	5.8	5.5
80- 100	20	2.7	3.1	4.3	6.2	7.1	7.4	8.2	9.4	11.1	13.8	15.9	12.6	7.7	6.5	5.9	4.9	4.5	4.3
100- 125	25	2.6	2.9	4	5.1	5.7	5.9	6.4	7.2	8.3	9.9	11	9.3	6.2	5	4.4	3.8	3.6	3.4
125- 150	25	2.4	2.8	3.5	4.2	4.6	4.7	5	5.5	6.2	7.2	7.8	6.9	5	4	3.5	3.1	2.9	2.8
150- 175	25	2.3	2.5	3	3.5	3.7	3.8	4.1	4.4	4.9	5.5	5.9	5.4	4.1	3.3	2.9	2.5	2.4	2.3
175- 200	25	2.1	2.2	2.6	2.9	3.1	3.2	3.3	3.6	3.9	4.3	4.6	4.3	3.4	2.8	2.4	2.2	2.1	2
200- 225	25	1.8	2	2.3	2.5	2.6	2.7	2.8	3	3.2	3.5	3.7	3.5	2.9	2.4	2.1	1.9	1.8	1.8
225- 250	25	1.6	1.8	2	2.2	2.3	2.3	2.4	2.5	2.7	2.9	3	2.9	2.5	2.1	1.8	1.6	1.6	1.5
250- 275	25	1.5	1.6	1.7	1.9	1.9	2	2	2.1	2.3	2.4	2.5	2.4	2.1	1.8	1.6	1.5	1.4	1.4
275- 300	25	1.4	1.4	1.5	1.6	1.7	1.7	1.8	1.8	1.9	2	2.1	2.1	1.8	1.6	1.4	1.3	1.3	1.2
300- 325	25	1.2	1.3	1.4	1.5	1.5	1.5	1.5	1.6	1.7	1.8	1.8	1.8	1.6	1.4	1.3	1.2	1.1	1.1
325- 350	25	1.1	1.1	1.2	1.3	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.4	1.3	1.1	1.1	1	1
350- 375	25	1	1	1.1	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.3	1.1	1	1	0.9	0.9
375- 400	25	0.9	0.9	1	1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.1	1	0.9	0.9	0.9	0.8
400- 425	25	0.8	0.9	0.9	0.9	1	1	1	1	1	1.1	1.1	1.1	1	0.9	0.9	0.8	0.8	0.8

Table 14, Continuation

Equivalent dose rate resulted from activation of Beam Pipe by low energy neutrons 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	0					52.2	66.7	94.1	84.2	74.8	139.7	240.8	105.2	37	42.1	77.4	35.4	23.4
20- 38	18	0					28.4	31.9	38.6	41.3	43.8	69.9	103	54.4	22	23.7	32.1	19.5	14.5
38	0.	0					21.3	23	26.7	30.1	34.2	50.5	68.6	40.3	17.7	18.1	21.3	14.7	11.7
38- 60	22	9	0.7	1.3	3.2	7.6	16.3	17.4	19.7	22.6	26.5	36.7	46.8	30.1	14.5	13.9	14.8	11.1	9.2
60- 80	20	29.6	3	3.5	5.1	8.8	11.6	12.2	13.5	15.5	18.4	23.6	27.9	20.2	11.1	9.8	9.3	7.6	6.7
80- 100	20	34.1	3.2	3.6	5.2	7.7	8.9	9.3	10.2	11.6	13.5	16.5	18.6	14.6	8.9	7.4	6.7	5.7	5.2
100- 125	25	34.3	3.1	3.5	4.8	6.3	7	7.3	7.8	8.8	10	11.8	12.9	10.8	7.1	5.8	5.1	4.4	4.1
125- 150	25	32.1	2.9	3.3	4.3	5.1	5.6	5.7	6.1	6.7	7.5	8.6	9.2	8.1	5.8	4.6	4	3.5	3.3
150- 175	25	31.7	2.7	3	3.7	4.2	4.6	4.7	4.9	5.3	5.9	6.5	6.9	6.3	4.7	3.8	3.3	2.9	2.8
175- 200	25	28.9	2.5	2.7	3.2	3.6	3.8	3.8	4	4.3	4.7	5.1	5.4	5	4	3.2	2.8	2.5	2.4
200- 225	25	25.6	2.2	2.4	2.7	3	3.2	3.2	3.4	3.6	3.8	4.1	4.3	4.1	3.3	2.8	2.4	2.2	2.1
225- 250	25	23	2	2.2	2.4	2.6	2.7	2.8	2.9	3	3.2	3.4	3.5	3.4	2.9	2.4	2.1	1.9	1.8
250- 275	25	22.2	1.8	1.9	2.1	2.3	2.3	2.4	2.4	2.6	2.7	2.9	3	2.9	2.5	2.1	1.8	1.7	1.6
275- 300	25	19.8	1.6	1.7	1.8	2	2	2.1	2.1	2.2	2.3	2.4	2.5	2.4	2.1	1.9	1.6	1.5	1.5
300- 325	25	17.8	1.5	1.5	1.6	1.7	1.8	1.8	1.8	1.9	2	2.1	2.2	2.1	1.9	1.6	1.5	1.4	1.3
325- 350	25	16.1	1.3	1.4	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.8	1.9	1.8	1.7	1.5	1.3	1.2	1.2
350- 375	25	14.6	1.2	1.2	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.5	1.3	1.2	1.1	1.1
375- 400	25	13.2	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.3	1.2	1.1	1	1
400- 425	25	12.1	1	1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.2	1.1	1	0.9	0.9

Table 14, Continuation

Equivalent dose rate resulted from activation of Beam Pipe by low energy neutrons 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					47.4	60.6	85.2	76.7	69	131.6	228.8	100.2	35.1	40.1	73.8	33.8	22.2	17.9
20- 38	18					25.9	29.1	35.3	37.8	40.6	65.8	97.8	51.8	20.9	22.6	30.5	18.6	13.8	12.1
38	0.					19.5	21.1	24.5	27.7	31.8	47.6	65.1	38.3	16.9	17.2	20.3	14	11.1	10
38- 60	22	0.7	1.2	3.1	7.1	15	16	18.1	20.9	24.7	34.6	44.4	28.6	13.8	13.2	14.1	10.5	8.8	8.1
60- 80	20	2.8	3.3	4.8	8.2	10.7	11.3	12.5	14.4	17.2	22.2	26.4	19.2	10.5	9.3	8.9	7.2	6.4	6
80- 100	20	3	3.4	4.8	7.2	8.3	8.7	9.5	10.8	12.7	15.5	17.6	13.9	8.4	7.1	6.4	5.4	4.9	4.7
100- 125	25	2.9	3.3	4.5	5.9	6.6	6.8	7.3	8.2	9.4	11.1	12.2	10.2	6.8	5.5	4.8	4.2	3.9	3.7
125- 150	25	2.7	3.1	4	4.8	5.2	5.4	5.7	6.3	7.1	8.1	8.7	7.7	5.5	4.4	3.8	3.3	3.1	3.1
150- 175	25	2.6	2.8	3.5	4	4.3	4.4	4.6	5	5.5	6.1	6.5	5.9	4.5	3.6	3.1	2.8	2.6	2.6
175- 200	25	2.3	2.5	3	3.3	3.5	3.6	3.8	4.1	4.4	4.8	5.1	4.7	3.7	3.1	2.6	2.4	2.3	2.2
200- 225	25	2.1	2.3	2.6	2.8	3	3	3.2	3.4	3.6	3.9	4.1	3.9	3.2	2.6	2.3	2.1	2	1.9
225- 250	25	1.9	2	2.2	2.4	2.5	2.6	2.7	2.8	3	3.2	3.3	3.2	2.7	2.3	2	1.8	1.7	1.7
250- 275	25	1.7	1.8	2	2.1	2.2	2.2	2.3	2.4	2.5	2.7	2.8	2.7	2.3	2	1.8	1.6	1.5	1.5
275- 300	25	1.5	1.6	1.7	1.9	1.9	1.9	2	2.1	2.2	2.3	2.4	2.3	2	1.8	1.6	1.4	1.4	1.4
300- 325	25	1.4	1.4	1.5	1.6	1.7	1.7	1.7	1.8	1.9	2	2	2	1.8	1.6	1.4	1.3	1.3	1.2
325- 350	25	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.7	1.8	1.7	1.6	1.4	1.3	1.2	1.1	1.1
350- 375	25	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.4	1.2	1.1	1.1	1	1
375- 400	25	1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.2	1.1	1	1	0.9	0.9
400- 425	25	0.9	1	1	1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.1	1	0.9	0.9	0.9	0.9

Table 14, Continuation

Equivalent dose rate resulted from activation of Beam Pipe by low energy neutrons 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					10.5	13.2	18.3	16.9	16.6	36.8	68.4	30.6	10.6	12.2	22.7	10.4	6.8	5.5
20- 38	18					6	6.7	8	8.9	10.3	18.5	29.1	15.7	6.3	6.9	9.4	5.7	4.2	3.7
38	0.					4.6	5	5.8	6.7	8.2	13.4	19.3	11.6	5.1	5.2	6.2	4.3	3.4	3
38- 60	22	0.2	0.4	0.9	1.9	3.7	3.9	4.4	5.2	6.5	9.7	13.1	8.6	4.1	4	4.3	3.2	2.7	2.5
60- 80	20	0.8	1	1.4	2.1	2.7	2.9	3.2	3.8	4.6	6.3	7.7	5.7	3.1	2.8	2.7	2.2	1.9	1.8
80- 100	20	0.9	1	1.3	1.9	2.2	2.3	2.5	2.9	3.5	4.4	5.1	4.1	2.5	2.1	1.9	1.6	1.5	1.4
100- 125	25	0.8	0.9	1.2	1.6	1.8	1.8	2	2.2	2.6	3.1	3.5	3	2	1.7	1.5	1.3	1.2	1.1
125- 150	25	0.8	0.9	1.1	1.3	1.4	1.5	1.6	1.7	2	2.3	2.5	2.3	1.6	1.3	1.1	1	0.9	0.9
150- 175	25	0.7	0.8	1	1.1	1.2	1.2	1.3	1.4	1.5	1.7	1.9	1.7	1.3	1.1	0.9	0.8	0.8	0.8
175- 200	25	0.7	0.7	0.8	0.9	1	1	1.1	1.1	1.2	1.4	1.5	1.4	1.1	0.9	0.8	0.7	0.7	0.7
200- 225	25	0.6	0.6	0.7	0.8	0.8	0.8	0.9	0.9	1	1.1	1.2	1.1	0.9	0.8	0.7	0.6	0.6	0.6
225- 250	25	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.9	1	0.9	0.8	0.7	0.6	0.5	0.5	0.5
250- 275	25	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.7	0.6	0.5	0.5	0.5	0.5
275- 300	25	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.6	0.5	0.5	0.4	0.4	0.4
300- 325	25	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.4
325- 350	25	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3
350- 375	25	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3
375- 400	25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3
400- 425	25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3

Table 14, Continuation

Equivalent dose rate resulted from activation of Beam Pipe by low energy neutrons for T= 5y, 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					26.1	33.4	47.2	42.1	36.7	65.8	110.5	47.8	17	19.3	35.3	16.1	10.7	8.6
20- 38	18					14	15.8	19.1	20.3	21.2	32.9	47.4	24.8	10.1	10.8	14.6	8.9	6.6	5.8
38	0.					10.4	11.3	13.1	14.7	16.5	23.7	31.6	18.4	8.2	8.3	9.7	6.7	5.3	4.8
38- 60	22	0.3	0.6	1.5	3.6	7.9	8.5	9.6	10.9	12.7	17.2	21.6	13.8	6.6	6.4	6.8	5.1	4.2	3.9
60- 80	20	1.4	1.6	2.4	4.2	5.6	5.9	6.5	7.4	8.7	11.1	12.9	9.3	5.1	4.5	4.3	3.5	3.1	2.9
80- 100	20	1.5	1.7	2.4	3.7	4.3	4.5	4.9	5.5	6.4	7.7	8.6	6.7	4.1	3.4	3.1	2.6	2.4	2.3
100- 125	25	1.4	1.6	2.3	3	3.3	3.5	3.7	4.2	4.7	5.5	6	5	3.3	2.7	2.3	2	1.9	1.8
125- 150	25	1.3	1.6	2	2.4	2.6	2.7	2.9	3.2	3.5	4	4.3	3.7	2.7	2.1	1.8	1.6	1.5	1.5
150- 175	25	1.3	1.4	1.7	2	2.1	2.2	2.3	2.5	2.8	3	3.2	2.9	2.2	1.8	1.5	1.3	1.3	1.2
175- 200	25	1.2	1.3	1.5	1.7	1.8	1.8	1.9	2	2.2	2.4	2.5	2.3	1.8	1.5	1.3	1.1	1.1	1.1
200- 225	25	1	1.1	1.3	1.4	1.5	1.5	1.6	1.7	1.8	1.9	2	1.9	1.5	1.3	1.1	1	1	0.9
225- 250	25	0.9	1	1.1	1.2	1.3	1.3	1.3	1.4	1.5	1.6	1.6	1.6	1.3	1.1	1	0.9	0.8	0.8
250- 275	25	0.9	0.9	1	1.1	1.1	1.1	1.1	1.2	1.3	1.3	1.4	1.3	1.1	1	0.9	0.8	0.8	0.7
275- 300	25	0.8	0.8	0.9	0.9	1	1	1	1	1.1	1.1	1.2	1.1	1	0.9	0.8	0.7	0.7	0.7
300- 325	25	0.7	0.7	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1	1	1	0.9	0.8	0.7	0.6	0.6	0.6
325- 350	25	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.9	0.9	0.8	0.7	0.6	0.6	0.6	0.5
350- 375	25	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.7	0.6	0.6	0.5	0.5	0.5
375- 400	25	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.5
400- 425	25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4

Table 14, Continuation

Equivalent dose rate resulted from activation of Beam Pipe by low energy neutrons for T= 10y, 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					35.4	45.5	64.5	57.1	48.2	80.5	129.6	55.3	19.9	22.3	40.6	18.6	12.3	9.9
20- 38	18					18.7	21.1	25.6	27	27.3	40.1	55.8	28.8	11.8	12.6	16.9	10.3	7.7	6.7
38	0.					13.8	14.9	17.3	19.2	21	28.9	37.3	21.4	9.5	9.6	11.2	7.8	6.2	5.5
38- 60	22	0.4	0.7	1.8	4.5	10.4	11	12.5	14.1	16	21	25.5	16.1	7.8	7.4	7.8	5.9	4.9	4.5
60- 80	20	1.6	1.9	2.9	5.3	7.2	7.5	8.3	9.4	10.9	13.5	15.3	10.9	6	5.2	4.9	4	3.5	3.4
80- 100	20	1.8	2	3	4.6	5.4	5.6	6.1	6.9	7.9	9.4	10.3	7.9	4.8	4	3.6	3	2.8	2.6
100- 125	25	1.7	2	2.8	3.8	4.2	4.3	4.7	5.2	5.8	6.7	7.1	5.9	3.9	3.1	2.7	2.3	2.2	2.1
125- 150	25	1.6	1.9	2.5	3	3.3	3.4	3.6	3.9	4.3	4.9	5.1	4.4	3.1	2.5	2.2	1.9	1.8	1.7
150- 175	25	1.6	1.7	2.2	2.5	2.7	2.7	2.9	3.1	3.4	3.7	3.9	3.4	2.6	2.1	1.8	1.6	1.5	1.5
175- 200	25	1.4	1.5	1.9	2.1	2.2	2.2	2.3	2.5	2.7	2.9	3	2.8	2.2	1.8	1.5	1.3	1.3	1.3
200- 225	25	1.3	1.4	1.6	1.7	1.8	1.9	1.9	2	2.2	2.3	2.4	2.3	1.8	1.5	1.3	1.2	1.1	1.1
225- 250	25	1.1	1.2	1.4	1.5	1.6	1.6	1.6	1.7	1.8	1.9	2	1.9	1.6	1.3	1.1	1	1	1
250- 275	25	1.1	1.1	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.7	1.6	1.4	1.1	1	0.9	0.9	0.9
275- 300	25	0.9	1	1.1	1.1	1.2	1.2	1.2	1.2	1.3	1.4	1.4	1.4	1.2	1	0.9	0.8	0.8	0.8
300- 325	25	0.8	0.9	0.9	1	1	1	1	1.1	1.1	1.2	1.2	1.2	1	0.9	0.8	0.7	0.7	0.7
325- 350	25	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1	1	1	1	1	0.9	0.8	0.7	0.7	0.7	0.6
350- 375	25	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.8	0.7	0.7	0.6	0.6	0.6
375- 400	25	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.5	0.5
400- 425	25	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.5	0.5	0.5	0.5

Table 15

Comparison of dose rate fields from activation of JDisk by low energy neutrons calculated with DOT and MCNP

R/Z, cm		852-875	875-900	900-925	925-950	950-975	975-1000	1000-1040	1040-1080	1080-1120	1120-1160	1160-1200	1200-1240
	dR\dZ	23	25	25	25	25	25	40	40	40	40	40	40
	T= 30d, t=1d calculated with DOT												
0-25	25	204.6	84.6	41.3	23.8	16.1	12.6	9.6	7.2	5.5	4.3	3.5	2.9
25-50	25	73.5	54.2	35.3	23.7	16.3	11.2	8.2	6.4	5	4	3.2	2.7
50-75	25	29.2	29.2	24.4	19.6	15.4	12	7.9	5.3	4.5	3.9	3.3	2.7
75-100	25	18.5	18.6	16.7	13.7	11.3	10.9	9.4	5.8	3.5	3.2	3	2.7
100-125	25	12	11.2	12.5	11.6	9.7	6.3	6.5	7.4	4.8	2.6	2.1	2.2
125-150	25	8.6	7.8	7.9	7.5	8.8	8.4	4.3	3.9	5.8	4.3	2.1	1.4
150-175	25	5.2	5.9	6.4	5.6	4.4	6.1	6.6	3	2.4	4.4	3.8	1.9
175-200	25	4.1	3.7	4.5	5.6	3.8	2.9	4.5	4.7	2.5	1.7	3.4	3.4
200-225	25	3.3	3.2	2.4	4.3	4.6	2.7	2.4	3.6	3.2	2.3	1.4	2.5
225-250	25	2.1	3.1	1.8	2.3	3.9	3.6	2	2.4	2.5	2.2	2.2	1.3
250-275	25	1.2	2.6	1.9	1.4	2.3	3.3	2.4	1.7	2.2	1.5	1.4	2.1
275-300	25	0.8	1.9	2	1.3	1.4	2.2	2.5	1.7	1.7	1.8	0.9	0.9
300-325	25	0.6	1.2	1.8	1.4	1.1	1.5	1.9	1.8	1.4	1.7	1.3	0.4
325-350	25	0.5	0.9	1.4	1.4	1.1	1.1	1.4	1.6	1.5	1.4	1.6	0.8
350-375	25	0.5	0.6	1	1.2	1.1	1	1.1	1.2	1.4	1.3	1.4	1.3
375-400	25	0.5	0.5	0.7	0.9	1.1	1	1	0.9	1	1.3	1.2	1.4
400-425	25	0.5	0.4	0.5	0.6	0.8	0.9	0.8	0.8	0.6	1	1	1.1
	T= 30d, t=1d calculated with MCNP												
0-25	25	233.5	88.8	41.9	23.9	15.7	11.1	7.6	5.2	3.9	3.2	2.6	2.1
25-50	25	81.0	55.2	33.7	22.1	15.3	11.3	8.1	5.7	4.2	3.2	2.6	2.1
50-75	25	22.8	27.9	23.2	17.5	13.2	10.1	7.4	5.4	4.2	3.2	2.5	2.0
75-100	25	12.9	15.6	15.1	12.9	10.5	8.6	6.7	4.9	3.7	3.1	2.6	2.1
100-125	25	8.2	9.7	10.1	9.5	8.2	7.0	5.7	4.5	3.5	2.7	2.3	2.0
125-150	25	5.4	6.5	6.9	6.9	6.5	5.7	4.8	3.9	3.2	2.7	2.2	1.8
150-175	25	3.7	4.4	5.0	5.1	4.9	4.6	4.1	3.4	2.8	2.4	2.0	1.7
175-200	25	2.6	3.1	3.6	3.9	3.9	3.7	3.4	3.0	2.5	2.2	1.9	1.6
200-225	25	1.9	2.4	2.7	2.9	3.0	3.1	2.8	2.5	2.3	1.9	1.7	1.5
225-250	25	1.4	1.8	2.1	2.3	2.4	2.5	2.4	2.2	2.0	1.8	1.6	1.4
250-275	25	1.1	1.4	1.6	1.8	1.9	2.0	2.0	1.9	1.7	1.6	1.4	1.3
275-300	25	0.8	1.1	1.3	1.5	1.5	1.7	1.7	1.7	1.5	1.4	1.3	1.2
300-325	25	0.6	0.9	1.1	1.2	1.3	1.4	1.4	1.4	1.4	1.3	1.2	1.1
325-350	25	0.5	0.7	0.9	1.0	1.1	1.1	1.2	1.2	1.2	1.2	1.0	1.0
350-375	25	0.4	0.6	0.7	0.8	0.9	0.9	1.0	1.1	1.1	1.0	1.0	0.9
375-400	25	0.3	0.5	0.6	0.7	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.8
400-425	25	0.3	0.4	0.5	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
	Ratio DOT to MCNP result												
0-25	25	0.9	1.0	1.0	1.0	1.0	1.1	1.3	1.4	1.4	1.4	1.4	1.3
25-50	25	0.9	1.0	1.0	1.1	1.1	1.0	1.0	1.1	1.2	1.2	1.2	1.3
50-75	25	1.3	1.0	1.1	1.1	1.2	1.2	1.1	1.0	1.1	1.2	1.3	1.3
75-100	25	1.4	1.2	1.1	1.1	1.1	1.3	1.4	1.2	0.9	1.0	1.2	1.3
100-125	25	1.5	1.2	1.2	1.2	1.2	0.9	1.1	1.7	1.4	1.0	0.9	1.1
125-150	25	1.6	1.2	1.1	1.1	1.4	1.5	0.9	1.0	1.8	1.6	1.0	0.8
150-175	25	1.4	1.3	1.3	1.1	0.9	1.3	1.6	0.9	0.8	1.9	1.9	1.1
175-200	25	1.6	1.2	1.2	1.4	1.0	0.8	1.3	1.6	1.0	0.8	1.8	2.1
200-225	25	1.8	1.3	0.9	1.5	1.5	0.9	0.8	1.4	1.4	1.2	0.8	1.7
225-250	25	1.5	1.7	0.9	1.0	1.6	1.5	0.8	1.1	1.3	1.2	1.4	0.9
250-275	25	1.1	1.9	1.2	0.8	1.2	1.7	1.2	0.9	1.3	0.9	1.0	1.6
275-300	25	1.0	1.7	1.5	0.9	0.9	1.3	1.5	1.0	1.1	1.3	0.7	0.8
300-325	25	0.9	1.4	1.7	1.2	0.9	1.1	1.3	1.3	1.0	1.3	1.1	0.4
325-350	25	1.0	1.3	1.6	1.4	1.0	1.0	1.2	1.3	1.2	1.2	1.5	0.8
350-375	25	1.2	1.0	1.4	1.5	1.2	1.1	1.1	1.1	1.3	1.3	1.4	1.5
375-400	25	1.4	1.0	1.2	1.3	1.4	1.2	1.1	1.0	1.1	1.4	1.4	1.7
400-425	25	1.7	1.0	1.0	1.0	1.2	1.3	1.1	1.0	0.7	1.2	1.3	1.4

Table 15, Continuation

R/Z, cm	dR\dZ	852-875	875-900	900-925	925-950	950-975	975-1000	1000-1040	1040-1080	1080-1120	1120-1160	1160-1200	1200-1240
		23	25	25	25	25	25	40	40	40	40	40	40
	T= 30d, t=5d calculated with DOT												
0-25	25	12.1	5.3	2.6	1.5	1	0.8	0.6	0.5	0.4	0.3	0.2	0.2
25-50	25	5.4	3.6	2.3	1.5	1.1	0.7	0.5	0.4	0.3	0.3	0.2	0.2
50-75	25	2.8	2.3	1.8	1.3	1	0.8	0.6	0.4	0.3	0.3	0.2	0.2
75-100	25	1.9	1.6	1.4	1.1	0.9	0.7	0.6	0.4	0.3	0.2	0.2	0.2
100-125	25	1.3	1.1	1	0.9	0.8	0.6	0.5	0.5	0.3	0.2	0.2	0.2
125-150	25	0.9	0.8	0.8	0.7	0.7	0.6	0.4	0.3	0.4	0.3	0.2	0.1
150-175	25	0.7	0.6	0.6	0.5	0.4	0.5	0.5	0.3	0.2	0.3	0.3	0.1
175-200	25	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2
200-225	25	0.4	0.4	0.3	0.4	0.4	0.3	0.2	0.3	0.2	0.2	0.2	0.2
225-250	25	0.3	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
250-275	25	0.2	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.1	0.1	0.2
275-300	25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1
300-325	25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
325-350	25	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1
350-375	25	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
375-400	25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
400-425	25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	T= 30d, t=5d calculated with MCNP												
0-25	25	15.5	6.3	3.1	1.8	1.21	0.87	0.60	0.42	0.32	0.25	0.20	0.17
25-50	25	7.3	4.2	2.6	1.7	1.16	0.86	0.63	0.44	0.33	0.26	0.21	0.17
50-75	25	2.8	2.5	1.9	1.4	1.02	0.77	0.57	0.42	0.32	0.25	0.20	0.16
75-100	25	1.68	1.57	1.33	1.08	0.87	0.69	0.52	0.38	0.30	0.24	0.20	0.16
100-125	25	1.08	1.06	0.96	0.83	0.70	0.59	0.47	0.35	0.28	0.22	0.18	0.15
125-150	25	0.74	0.74	0.71	0.64	0.57	0.49	0.41	0.32	0.25	0.21	0.17	0.14
150-175	25	0.52	0.54	0.53	0.50	0.46	0.41	0.35	0.29	0.24	0.19	0.16	0.14
175-200	25	0.38	0.40	0.41	0.40	0.37	0.35	0.30	0.26	0.22	0.18	0.15	0.13
200-225	25	0.28	0.31	0.32	0.31	0.30	0.29	0.26	0.23	0.20	0.17	0.14	0.12
225-250	25	0.22	0.24	0.25	0.25	0.25	0.24	0.22	0.20	0.17	0.15	0.12	0.11
250-275	25	0.17	0.19	0.21	0.21	0.21	0.20	0.19	0.18	0.16	0.14	0.11	0.11
275-300	25	0.14	0.16	0.17	0.17	0.17	0.17	0.16	0.15	0.14	0.13	0.10	0.10
300-325	25	0.11	0.13	0.14	0.15	0.15	0.15	0.14	0.13	0.13	0.11	0.10	0.09
325-350	25	0.10	0.11	0.12	0.12	0.13	0.12	0.12	0.12	0.11	0.10	0.09	0.09
350-375	25	0.08	0.09	0.10	0.10	0.11	0.11	0.11	0.11	0.10	0.09	0.08	0.08
375-400	25	0.07	0.08	0.08	0.09	0.09	0.09	0.10	0.09	0.09	0.08	0.07	0.07
400-425	25	0.06	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07
	Ratio DOT to MCNP result												
0-25	25	0.8	0.8	0.8	0.8	0.8	0.9	1.0	1.2	1.3	1.2	1.0	1.2
25-50	25	0.7	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9	1.2	1.0	1.2
50-75	25	1.0	0.9	0.9	0.9	1.0	1.0	1.0	0.9	0.9	1.2	1.0	1.2
75-100	25	1.1	1.0	1.1	1.0	1.0	1.0	1.2	1.0	1.0	0.8	1.0	1.2
100-125	25	1.2	1.0	1.0	1.1	1.1	1.0	1.1	1.4	1.1	0.9	1.1	1.3
125-150	25	1.2	1.1	1.1	1.1	1.2	1.2	1.0	0.9	1.6	1.4	1.2	0.7
150-175	25	1.4	1.1	1.1	1.0	0.9	1.2	1.4	1.0	0.8	1.6	1.8	0.7
175-200	25	1.3	1.2	1.2	1.3	1.1	0.9	1.0	1.2	0.9	1.1	1.3	1.6
200-225	25	1.4	1.3	0.9	1.3	1.3	1.0	0.8	1.3	1.0	1.2	1.4	1.7
225-250	25	1.4	1.7	1.2	1.2	1.2	1.3	0.9	1.0	1.2	1.3	1.6	1.7
250-275	25	1.1	1.6	1.5	1.0	1.0	1.5	1.0	1.1	1.3	0.7	0.9	1.8
275-300	25	1.4	1.3	1.2	1.2	1.2	1.2	1.2	1.3	1.4	0.8	1.0	1.0
300-325	25	1.8	1.6	1.5	1.4	1.4	1.4	1.4	1.5	1.6	1.8	1.0	1.1
325-350	25	2.1	0.9	0.9	1.6	1.6	1.6	0.8	0.8	1.8	1.0	1.1	1.2
350-375	25	2.4	1.1	1.0	1.0	1.8	0.9	0.9	0.9	1.0	1.1	1.2	1.3
375-400	25	1.4	1.3	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.4	1.4
400-425	25	1.6	1.5	1.4	1.3	1.2	1.2	1.2	1.2	1.2	1.3	1.5	1.5