

Fig.2 Access scenario to the area between JD and shifted muon chambers.

Table 1

Dose rate in the gap between JD and shifted muon chambers resulted from activation by high-energy hadrons for T= 100d, t=1d

R/Z, cm	dR/dZ	714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
		0	5	10	20	20	20	20	5	5	0
52- 54	2	95.2	96.0	90.7	84.5	82.2	83.0	89.8	90.7	90.7	89.7
53- 60	7	54.3	57.4	57.9	54.2	52.2	53.4	56.7	58.0	56.7	53.5
60- 70	10	34.6	38.8	42.2	42.7	42.0	42.4	43.4	41.3	38.7	34.5
70- 90	20	23.4	25.4	27.5	29.6	30.4	30.1	28.0	25.0	23.1	19.5
90- 110	20	16.2	16.7	18.1	19.6	20.5	20.1	18.5	16.6	15.3	14.6
110- 130	20	11.5	11.6	12.8	13.9	14.3	14.3	13.2	12.0	11.2	11.0
130- 150	20	8.6	8.7	9.3	10.2	10.6	10.6	9.9	8.9	8.5	8.5
150- 175	25	6.4	6.5	6.9	7.6	7.7	7.8	7.4	6.7	6.6	6.5
175- 200	25	5.0	5.0	5.1	5.7	5.8	5.8	5.5	5.1	5.1	5.1
200- 225	25	3.9	3.9	3.9	4.4	4.5	4.5	4.2	4.0	4.0	4.0
225- 250	25	3.1	3.1	3.1	3.4	3.7	3.6	3.2	3.1	3.2	3.2
250- 275	25	2.5	2.6	2.5	2.7	3.1	3.0	2.5	2.5	2.6	2.6
275- 300	25	2.1	2.1	2.0	2.2	2.7	2.5	2.0	2.0	2.1	2.1
300- 325	25	1.7	1.7	1.7	1.8	2.3	2.1	1.7	1.7	1.7	1.7
325- 350	25	1.4	1.4	1.4	1.5	1.9	1.8	1.4	1.4	1.5	1.5
350- 375	25	1.2	1.2	1.2	1.3	1.6	1.5	1.3	1.2	1.3	1.3
375- 400	25	1.0	1.0	1.1	1.1	1.3	1.3	1.1	1.1	1.1	1.1
400- 425	25	0.9	0.9	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.0

Table 1, (continuation)

Dose rate in the gap between JD and shifted muon chambers resulted from activation by high-energy hadrons for T= 100d, t=5d

R/Z, cm	dR/dZ	714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
		0	5	10	20	20	20	20	5	5	0
52- 54	2	47.3	46.8	45.0	41.5	39.9	41.2	44.1	45.4	45.9	46.1
53- 60	7	28.3	29.2	29.2	27.0	25.8	26.5	28.3	29.0	29.2	28.3
60- 70	10	18.1	19.9	21.3	21.5	20.6	21.2	21.9	21.3	19.8	18.1
70- 90	20	11.7	12.7	13.7	14.8	15.2	15.1	14.1	12.6	11.6	9.8
90- 110	20	8.0	8.3	9.0	9.7	10.2	10.0	9.2	8.2	7.6	7.3
110- 130	20	5.7	5.8	6.3	6.9	7.2	7.1	6.6	5.9	5.6	5.5
130- 150	20	4.3	4.3	4.6	5.1	5.3	5.2	4.9	4.4	4.2	4.2
150- 175	25	3.2	3.2	3.4	3.8	3.8	3.9	3.7	3.3	3.2	3.2
175- 200	25	2.4	2.4	2.5	2.8	2.8	2.9	2.7	2.5	2.5	2.5
200- 225	25	1.9	1.9	1.9	2.1	2.2	2.2	2.1	2.0	2.0	2.0
225- 250	25	1.5	1.5	1.5	1.7	1.8	1.8	1.6	1.6	1.6	1.6
250- 275	25	1.2	1.2	1.2	1.3	1.5	1.5	1.2	1.2	1.3	1.3
275- 300	25	1.0	1.0	1.0	1.1	1.3	1.2	1.0	1.0	1.0	1.0
300- 325	25	0.8	0.8	0.8	0.9	1.1	1.0	0.8	0.8	0.9	0.9
325- 350	25	0.7	0.7	0.7	0.8	0.9	0.9	0.7	0.7	0.7	0.7
350- 375	25	0.6	0.6	0.6	0.6	0.8	0.7	0.6	0.6	0.6	0.6
375- 400	25	0.5	0.5	0.5	0.6	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	0.5	0.5	0.5

Table 1, (continuation)

Dose rate in the gap between JD and shifted muon chambers resulted from activation by high-energy hadrons for T= 100d, t=15d

R/Z, cm	dR/dZ	714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
		0	5	10	20	20	20	20	5	5	0
52- 54	2	20.4	19.9	18.4	17.0	16.1	16.6	17.9	18.4	19.4	19.9
53- 60	7	13.1	12.8	12.2	11.1	10.5	10.7	11.6	12.2	12.8	12.9
60- 70	10	8.4	8.7	9.1	8.9	8.6	8.7	9.1	9.0	8.7	8.3
70- 90	20	4.7	5.1	5.6	6.1	6.3	6.2	5.9	5.3	4.8	4.1
90- 110	20	3.1	3.2	3.5	3.9	4.2	4.1	3.7	3.3	3.0	2.9
110- 130	20	2.2	2.3	2.5	2.8	2.9	2.9	2.7	2.3	2.2	2.2
130- 150	20	1.7	1.7	1.8	2.0	2.1	2.1	2.0	1.8	1.7	1.6
150- 175	25	1.2	1.2	1.3	1.5	1.5	1.5	1.5	1.3	1.3	1.3
175- 200	25	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.0	1.0	1.0
200- 225	25	0.8	0.8	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8
225- 250	25	0.6	0.6	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.6
250- 275	25	0.5	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5
275- 300	25	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4
300- 325	25	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3
325- 350	25	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3
350- 375	25	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2
375- 400	25	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2
400- 425	25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Table 1, (continuation)

Dose rate in the gap between JD and shifted muon chambers resulted from activation by high-energy hadrons for T= 100 d, t=100 d

R/Z, cm	dR/dZ	714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
		0	5	10	20	20	20	20	5	5	0
52- 54	2	3.8	3.8	3.6	3.3	3.3	3.3	3.6	3.6	3.7	3.8
53- 60	7	2.4	2.4	2.4	2.1	2.1	2.1	2.3	2.3	2.4	2.3
60- 70	10	1.5	1.6	1.7	1.7	1.6	1.7	1.7	1.7	1.6	1.5
70- 90	20	0.7	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.7
90- 110	20	0.5	0.5	0.6	0.7	0.8	0.8	0.7	0.6	0.5	0.5
110- 130	20	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.4
130- 150	20	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3
150- 175	25	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2
175- 200	25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
200- 225	25	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1
225- 250	25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
250- 275	25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
275- 300	25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
300- 325	25	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
325- 350	25	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0
350- 375	25	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
375- 400	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
400- 425	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 1

Dose rate in the gap between JD and shifted muon chambers resulted from activation by high-energy hadrons for T= 10 y, t=1d

R/Z, cm		714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
	dR\dZ	0	5	10	20	20	20	20	5	5	0
52- 54	2	106.6	105.2	102.0	94.2	90.6	93.8	99.8	104.7	104.7	103.7
53- 60	7	61.3	64.6	65.1	61.1	58.6	60.1	63.8	65.2	63.9	60.7
60- 70	10	39.0	43.5	47.3	48.0	46.9	47.7	48.9	46.4	43.4	38.8
70- 90	20	25.7	28.0	30.6	33.1	34.0	33.8	31.4	28.1	25.9	21.7
90- 110	20	17.9	18.4	20.0	21.8	22.9	22.5	20.6	18.4	16.9	16.2
110- 130	20	12.7	13.0	13.9	15.3	16.1	15.9	14.7	13.3	12.3	12.2
130- 150	20	9.5	9.6	10.3	11.3	11.7	11.6	10.9	9.9	9.4	9.3
150- 175	25	7.1	7.2	7.6	8.5	8.6	8.6	8.2	7.4	7.3	7.2
175- 200	25	5.5	5.5	5.7	6.3	6.4	6.5	6.1	5.6	5.6	5.6
200- 225	25	4.4	4.4	4.4	4.8	5.0	5.0	4.6	4.4	4.4	4.4
225- 250	25	3.5	3.5	3.4	3.8	4.1	4.0	3.6	3.5	3.5	3.5
250- 275	25	2.8	2.8	2.8	3.0	3.5	3.3	2.8	2.8	2.9	2.9
275- 300	25	2.3	2.3	2.3	2.4	3.0	2.8	2.2	2.3	2.3	2.4
300- 325	25	1.9	1.9	1.9	2.0	2.5	2.3	1.8	1.9	1.9	1.9
325- 350	25	1.6	1.6	1.6	1.7	2.1	2.0	1.6	1.6	1.6	1.6
350- 375	25	1.3	1.3	1.3	1.5	1.8	1.7	1.4	1.4	1.4	1.4
375- 400	25	1.2	1.2	1.2	1.3	1.4	1.4	1.2	1.2	1.2	1.2
400- 425	25	1.1	1.1	1.1	1.1	1.2	1.2	1.1	1.1	1.1	1.1

Table 1, (continuation)

Dose rate in the gap between JD and shifted muon chambers resulted from activation by high-energy hadrons for T= 10 y, t=5d

R/Z, cm		714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
	dR\dZ	0	5	10	20	20	20	20	5	5	0
52- 54	2	58.6	57.8	55.9	51.5	50.1	51.0	54.6	56.3	56.8	57.1
53- 60	7	35.0	35.8	35.8	33.5	32.4	32.9	34.9	36.2	35.8	34.5
60- 70	10	22.1	24.2	26.4	26.3	25.8	26.1	27.0	26.0	24.1	22.1
70- 90	20	14.0	15.3	16.7	18.1	18.7	18.5	17.3	15.5	14.1	11.8
90- 110	20	9.6	9.9	10.8	11.9	12.4	12.3	11.2	10.0	9.2	8.7
110- 130	20	6.8	7.0	7.6	8.3	8.7	8.6	8.0	7.1	6.7	6.6
130- 150	20	5.1	5.2	5.5	6.2	6.4	6.4	6.0	5.3	5.1	5.0
150- 175	25	3.8	3.9	4.1	4.6	4.6	4.7	4.5	4.0	3.9	3.9
175- 200	25	3.0	3.0	3.1	3.4	3.5	3.5	3.3	3.0	3.0	3.0
200- 225	25	2.4	2.4	2.4	2.6	2.7	2.7	2.5	2.4	2.4	2.4
225- 250	25	1.9	1.9	1.9	2.0	2.2	2.2	1.9	1.9	1.9	1.9
250- 275	25	1.5	1.5	1.5	1.6	1.9	1.8	1.5	1.5	1.5	1.5
275- 300	25	1.3	1.3	1.2	1.3	1.6	1.5	1.2	1.2	1.3	1.3
300- 325	25	1.0	1.0	1.0	1.1	1.4	1.3	1.0	1.0	1.0	1.0
325- 350	25	0.9	0.9	0.8	0.9	1.1	1.1	0.8	0.8	0.9	0.9
350- 375	25	0.7	0.7	0.7	0.8	1.0	0.9	0.7	0.7	0.7	0.7
375- 400	25	0.6	0.6	0.6	0.7	0.8	0.7	0.7	0.7	0.7	0.7
400- 425	25	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

Table 1, (continuation)

Dose rate in the gap between JD and shifted muon chambers resulted from activation by high-energy hadrons for T= 10 y, t=15d

R/Z, cm	dR\dZ	714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
		0	5	10	20	20	20	20	5	5	0
52- 54	2	30.4	29.9	28.1	26.1	25.3	25.7	27.9	28.4	28.9	29.4
53- 60	7	18.8	19.0	18.3	16.9	16.2	16.4	17.9	18.8	18.4	18.5
60- 70	10	12.0	12.6	13.5	13.3	12.9	13.1	13.5	13.6	12.6	11.9
70- 90	20	6.5	7.4	8.2	9.0	9.3	9.3	8.7	7.8	7.1	5.9
90- 110	20	4.4	4.6	5.2	5.8	6.2	6.1	5.5	4.9	4.4	4.2
110- 130	20	3.2	3.3	3.6	4.0	4.3	4.3	3.9	3.4	3.2	3.1
130- 150	20	2.4	2.4	2.6	3.0	3.1	3.1	2.9	2.6	2.4	2.4
150- 175	25	1.8	1.9	1.9	2.2	2.2	2.3	2.1	1.9	1.9	1.9
175- 200	25	1.4	1.4	1.5	1.7	1.7	1.7	1.6	1.5	1.5	1.5
200- 225	25	1.1	1.1	1.1	1.3	1.3	1.3	1.2	1.1	1.1	1.1
225- 250	25	0.9	0.9	0.9	1.0	1.1	1.0	0.9	0.9	0.9	0.9
250- 275	25	0.7	0.7	0.7	0.8	0.9	0.9	0.7	0.7	0.7	0.7
275- 300	25	0.6	0.6	0.6	0.6	0.8	0.7	0.6	0.6	0.6	0.6
300- 325	25	0.5	0.5	0.5	0.5	0.7	0.6	0.5	0.5	0.5	0.5
325- 350	25	0.4	0.4	0.4	0.4	0.6	0.5	0.4	0.4	0.4	0.4
350- 375	25	0.3	0.3	0.3	0.4	0.5	0.4	0.4	0.3	0.4	0.4
375- 400	25	0.3	0.3	0.3	0.3	0.4	0.4	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

Table 1, (continuation)

Dose rate in the gap between JD and shifted muon chambers resulted from activation by high-energy hadrons for T= 10 y, t=100 d

R/Z, cm	dR\dZ	714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
		0	5	10	20	20	20	20	5	5	0
52- 54	2	8.8	8.9	8.3	7.8	7.6	7.8	8.4	8.9	8.9	8.8
53- 60	7	5.0	5.3	5.3	4.9	4.8	4.9	5.2	5.4	5.3	5.0
60- 70	10	3.2	3.6	3.8	3.8	3.8	3.9	4.0	3.8	3.6	3.2
70- 90	20	1.6	2.0	2.3	2.5	2.7	2.7	2.5	2.2	2.0	1.6
90- 110	20	1.1	1.2	1.4	1.6	1.7	1.7	1.6	1.3	1.2	1.1
110- 130	20	0.8	0.9	1.0	1.1	1.2	1.2	1.1	1.0	0.9	0.9
130- 150	20	0.6	0.7	0.7	0.8	0.9	0.9	0.8	0.7	0.7	0.7
150- 175	25	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.5
175- 200	25	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4
200- 225	25	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3
225- 250	25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
250- 275	25	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2
275- 300	25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
300- 325	25	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
325- 350	25	0.1	0.1	0.1	0.1	0.2	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
375- 400	25	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

Table 2

Dose rate in the gap between JD and shifted muon chambers resulted from activation by low energy neutrons for T= 100d, t=1 d

R/Z, cm	dR/dZ	714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
		0	5	10	20	20	20	20	5	5	0
52- 54	2	76.4	63.8	53.0	44.8	39.7	39.8	45.1	54.0	62.5	77.9
53- 60	7	89.6	68.8	54.4	43.1	36.2	35.8	43.1	56.1	68.2	92.1
60- 70	10	70.3	59.7	52.6	41.0	34.8	33.6	38.6	48.5	55.4	68.5
70- 90	20	58.5	48.1	41.1	33.6	28.5	26.7	26.6	26.3	25.4	25.5
90- 110	20	20.7	21.8	22.3	21.8	20.7	19.0	16.9	15.2	14.0	13.4
110- 130	20	12.0	12.7	14.1	14.6	14.5	13.8	12.3	11.1	10.3	10.0
130- 150	20	8.6	9.0	9.9	10.1	10.3	10.0	9.2	8.5	8.0	7.9
150- 175	25	5.8	6.0	6.7	7.1	7.1	7.1	6.9	6.3	6.0	6.0
175- 200	25	3.7	3.8	4.5	5.0	4.8	5.0	5.1	4.7	4.6	4.5
200- 225	25	2.7	2.7	3.1	3.7	3.4	3.6	3.8	3.6	3.5	3.5
225- 250	25	2.0	2.0	2.3	2.8	2.6	2.7	2.9	2.8	2.8	2.8
250- 275	25	1.6	1.6	1.7	2.1	2.1	2.1	2.2	2.1	2.1	2.1
275- 300	25	1.4	1.4	1.4	1.6	1.8	1.7	1.6	1.7	1.7	1.7
300- 325	25	1.1	1.1	1.1	1.3	1.6	1.4	1.2	1.3	1.3	1.3
325- 350	25	0.8	0.8	0.9	1.1	1.4	1.2	0.9	1.0	1.1	1.1
350- 375	25	0.6	0.6	0.7	0.9	1.3	1.1	0.8	0.8	0.8	0.8
375- 400	25	0.5	0.5	0.6	0.8	1.1	1.0	0.7	0.7	0.7	0.7
400- 425	25	0.4	0.5	0.5	0.7	0.9	0.9	0.6	0.6	0.6	0.6

Table 2, (continuation)

Dose rate in the gap between JD and shifted muon chambers resulted from activation by low energy neutrons for T= 100d, t=5 d

R/Z, cm	dR/dZ	714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
		0	5	10	20	20	20	20	5	5	0
52- 54	2	35.9	35.4	35.2	34.2	32.5	32.1	33.2	34.9	35.4	36.2
53- 60	7	25.2	25.8	27.0	26.9	24.8	24.2	24.8	25.8	26.4	26.5
60- 70	10	20.4	22.8	25.5	24.2	21.9	20.9	20.6	20.1	20.1	19.2
70- 90	20	40.0	31.9	25.9	20.7	17.7	16.1	14.6	13.7	13.3	13.1
90- 110	20	15.9	16.4	16.2	14.7	13.2	11.9	10.8	10.2	10.0	9.9
110- 130	20	9.0	9.4	10.1	10.0	9.7	9.1	8.3	7.7	7.5	7.3
130- 150	20	6.4	6.7	7.1	7.2	7.1	6.9	6.5	6.1	5.9	5.8
150- 175	25	4.3	4.5	4.9	5.1	5.1	5.1	4.9	4.6	4.5	4.5
175- 200	25	2.7	2.8	3.2	3.5	3.5	3.7	3.7	3.5	3.4	3.4
200- 225	25	1.9	2.0	2.3	2.6	2.6	2.7	2.8	2.7	2.7	2.6
225- 250	25	1.5	1.5	1.7	2.0	2.0	2.1	2.1	2.1	2.1	2.1
250- 275	25	1.2	1.2	1.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6
275- 300	25	1.0	1.0	1.0	1.2	1.4	1.3	1.3	1.3	1.3	1.3
300- 325	25	0.8	0.8	0.9	1.0	1.2	1.1	1.0	1.0	1.1	1.1
325- 350	25	0.6	0.7	0.7	0.8	1.0	0.9	0.8	0.8	0.8	0.9
350- 375	25	0.5	0.5	0.6	0.7	0.9	0.8	0.6	0.7	0.7	0.7
375- 400	25	0.4	0.4	0.5	0.6	0.8	0.7	0.6	0.6	0.6	0.6
400- 425	25	0.4	0.4	0.4	0.5	0.7	0.6	0.5	0.5	0.5	0.5

Table 2, (continuation)

Dose rate in the gap between JD and shifted muon chambers resulted from activation by low energy neutrons for T= 100d, t= 15 d

R/Z, cm	dR/dZ	714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
		0	5	10	20	20	20	20	5	5	0
52- 54	2	33.2	32.9	32.1	31.1	29.8	29.4	30.4	31.9	32.4	32.9
53- 60	7	23.0	23.4	24.2	23.9	22.4	21.8	22.5	23.4	23.4	23.5
60- 70	10	17.9	19.8	21.9	21.3	19.5	18.8	18.4	18.0	17.6	16.8
70- 90	20	32.7	26.5	21.9	17.7	15.6	14.3	12.9	11.9	11.8	11.4
90- 110	20	13.3	13.8	13.6	12.6	11.4	10.3	9.5	8.9	8.6	8.4
110- 130	20	7.6	8.0	8.6	8.6	8.4	7.9	7.2	6.6	6.4	6.3
130- 150	20	5.5	5.7	6.0	6.1	6.1	6.0	5.6	5.2	5.0	4.9
150- 175	25	3.7	3.8	4.2	4.3	4.4	4.4	4.2	4.0	3.9	3.8
175- 200	25	2.4	2.4	2.8	3.1	3.1	3.2	3.1	3.0	2.9	2.9
200- 225	25	1.7	1.7	2.0	2.3	2.2	2.4	2.4	2.3	2.3	2.3
225- 250	25	1.3	1.3	1.4	1.7	1.7	1.8	1.8	1.8	1.8	1.8
250- 275	25	1.1	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4
275- 300	25	0.9	0.9	0.9	1.1	1.2	1.1	1.1	1.1	1.1	1.1
300- 325	25	0.7	0.7	0.7	0.9	1.0	0.9	0.8	0.9	0.9	0.9
325- 350	25	0.6	0.6	0.6	0.7	0.9	0.8	0.7	0.7	0.7	0.7
350- 375	25	0.5	0.5	0.5	0.6	0.8	0.7	0.6	0.6	0.6	0.6
375- 400	25	0.4	0.4	0.4	0.5	0.7	0.6	0.5	0.5	0.5	0.5
400- 425	25	0.4	0.4	0.4	0.5	0.6	0.5	0.4	0.4	0.4	0.4

Table 2, (continuation)

Dose rate in the gap between JD and shifted muon chambers resulted from activation by low energy neutrons for T= 100d, t= 100 d

R/Z, cm	dR/dZ	714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
		0	5	10	20	20	20	20	5	5	0
52- 54	2	21.5	20.9	19.4	18.6	17.9	17.7	18.6	19.5	20.5	21.0
53- 60	7	15.1	14.8	14.6	13.7	12.8	12.6	13.3	14.2	14.8	15.1
60- 70	10	11.0	11.7	12.5	11.9	10.9	10.7	10.7	10.7	10.6	10.5
70- 90	20	14.0	11.9	10.5	9.2	8.4	7.9	7.3	6.7	6.4	5.9
90- 110	20	6.0	6.3	6.4	6.3	6.0	5.5	5.0	4.6	4.3	4.2
110- 130	20	3.6	3.8	4.1	4.3	4.3	4.1	3.7	3.3	3.1	3.1
130- 150	20	2.6	2.7	2.9	3.0	3.1	3.0	2.8	2.6	2.5	2.4
150- 175	25	1.8	1.9	2.1	2.2	2.2	2.2	2.1	2.0	1.9	1.9
175- 200	25	1.2	1.3	1.4	1.5	1.5	1.6	1.6	1.5	1.4	1.4
200- 225	25	0.9	0.9	1.0	1.1	1.1	1.2	1.2	1.1	1.1	1.1
225- 250	25	0.7	0.7	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
250- 275	25	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
275- 300	25	0.5	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.6	0.6
300- 325	25	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.5
325- 350	25	0.3	0.3	0.3	0.4	0.5	0.4	0.3	0.4	0.4	0.4
350- 375	25	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3
375- 400	25	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
400- 425	25	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2

Table 2, (continuation)

Dose rate in the gap between JD and shifted muon chambers resulted from activation by low energy neutrons for T= 10 y, t= 1 d

R/Z, cm	dR/dZ	714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
		0	5	10	20	20	20	20	5	5	0
52- 54	2	144.9	134.4	118.7	108.8	103.8	102.9	108.3	119.8	124.8	142.4
53- 60	7	126.9	111.5	96.0	85.2	76.9	76.5	83.8	96.7	105.9	128.9
60- 70	10	93.1	87.0	83.5	73.6	66.7	65.5	69.9	77.3	81.9	93.1
70- 90	20	74.9	65.9	60.7	55.1	51.1	48.7	46.6	43.4	41.0	38.1
90- 110	20	31.0	32.6	34.6	35.6	35.3	33.2	29.5	26.3	24.0	22.8
110- 130	20	19.4	20.2	22.3	24.0	24.5	23.6	21.2	18.9	17.3	17.0
130- 150	20	14.2	14.7	15.9	17.0	17.5	17.1	15.8	14.2	13.4	13.3
150- 175	25	10.0	10.2	11.2	12.2	12.2	12.2	11.7	10.5	10.2	10.1
175- 200	25	6.9	7.1	7.8	8.7	8.6	8.8	8.7	7.9	7.7	7.7
200- 225	25	5.2	5.2	5.6	6.4	6.3	6.6	6.5	6.1	6.0	6.0
225- 250	25	4.0	4.0	4.2	4.9	5.0	5.1	4.9	4.7	4.7	4.8
250- 275	25	3.3	3.3	3.3	3.8	4.1	4.0	3.7	3.7	3.8	3.8
275- 300	25	2.7	2.7	2.6	3.0	3.5	3.3	2.9	2.9	3.0	3.0
300- 325	25	2.2	2.2	2.1	2.4	3.1	2.8	2.2	2.3	2.4	2.4
325- 350	25	1.7	1.8	1.8	2.0	2.6	2.4	1.8	1.9	2.0	2.0
350- 375	25	1.4	1.5	1.5	1.7	2.3	2.1	1.6	1.6	1.6	1.6
375- 400	25	1.2	1.3	1.3	1.5	1.9	1.8	1.4	1.4	1.4	1.4
400- 425	25	1.1	1.1	1.2	1.3	1.6	1.5	1.3	1.2	1.3	1.3

Table 2, (continuation)

Dose rate in the gap between JD and shifted muon chambers resulted from activation by low energy neutrons for T= 10 y, t= 5 d

R/Z, cm	dR/dZ	714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
		0	5	10	20	20	20	20	5	5	0
52- 54	2	104.4	106.0	101.7	100.5	94.3	93.8	95.7	100.7	100.2	99.2
53- 60	7	62.8	67.4	70.0	68.9	65.8	64.8	65.9	67.1	65.3	62.3
60- 70	10	44.2	50.2	56.3	56.7	54.1	52.7	51.7	49.3	46.3	42.0
70- 90	20	56.4	49.7	45.4	42.2	40.3	38.2	34.5	30.9	28.8	25.5
90- 110	20	26.2	27.2	28.2	28.4	27.8	26.1	23.5	21.2	19.9	19.2
110- 130	20	16.2	16.8	18.3	19.5	19.7	19.0	17.2	15.3	14.6	14.3
130- 150	20	11.9	12.2	13.2	13.8	14.4	13.8	13.1	11.9	11.2	11.2
150- 175	25	8.5	8.6	9.3	10.1	10.2	10.2	9.7	8.9	8.6	8.6
175- 200	25	5.9	6.0	6.5	7.2	7.3	7.5	7.2	6.7	6.6	6.6
200- 225	25	4.4	4.5	4.7	5.4	5.5	5.6	5.4	5.1	5.1	5.1
225- 250	25	3.5	3.5	3.6	4.1	4.4	4.4	4.1	4.0	4.1	4.1
250- 275	25	2.8	2.8	2.8	3.2	3.6	3.5	3.2	3.2	3.3	3.3
275- 300	25	2.3	2.3	2.3	2.6	3.1	2.9	2.5	2.5	2.6	2.6
300- 325	25	1.9	1.9	1.9	2.1	2.6	2.4	2.0	2.1	2.1	2.1
325- 350	25	1.6	1.6	1.6	1.8	2.3	2.1	1.7	1.7	1.8	1.8
350- 375	25	1.3	1.4	1.4	1.6	1.9	1.8	1.4	1.4	1.5	1.5
375- 400	25	1.2	1.2	1.2	1.4	1.6	1.5	1.3	1.3	1.3	1.3
400- 425	25	1.1	1.1	1.1	1.2	1.3	1.3	1.2	1.2	1.2	1.2

Table 2, (continuation)

Dose rate in the gap between JD and shifted muon chambers resulted from activation by low energy neutrons for T= 10 y, t= 15 d

R/Z, cm	dR/dZ	714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
		0	5	10	20	20	20	20	5	5	0
52- 54	2	100.4	99.7	97.3	94.2	92.8	92.5	93.1	94.3	98.7	97.4
53- 60	7	60.0	64.4	66.7	65.6	62.9	62.1	63.2	64.1	62.3	59.0
60- 70	10	41.9	47.5	52.7	53.4	51.3	50.1	49.2	46.3	43.7	39.6
70- 90	20	48.5	43.8	41.1	39.1	37.8	36.0	32.6	29.1	27.0	23.6
90- 110	20	23.4	24.2	25.6	26.1	25.9	24.4	22.0	19.6	18.4	17.6
110- 130	20	14.8	15.4	16.9	17.9	18.2	17.6	15.9	14.3	13.3	13.2
130- 150	20	10.9	11.2	12.0	12.9	13.2	12.9	12.1	10.8	10.3	10.2
150- 175	25	7.8	7.9	8.5	9.3	9.4	9.4	9.0	8.1	7.9	7.9
175- 200	25	5.5	5.6	6.0	6.7	6.8	6.9	6.6	6.1	6.1	6.0
200- 225	25	4.2	4.2	4.4	5.0	5.1	5.2	5.0	4.7	4.7	4.7
225- 250	25	3.3	3.3	3.3	3.8	4.1	4.1	3.8	3.7	3.8	3.8
250- 275	25	2.7	2.7	2.6	3.0	3.4	3.3	2.9	2.9	3.0	3.0
275- 300	25	2.2	2.2	2.1	2.4	2.9	2.7	2.3	2.3	2.4	2.4
300- 325	25	1.8	1.8	1.8	2.0	2.5	2.3	1.9	1.9	2.0	2.0
325- 350	25	1.5	1.5	1.5	1.7	2.1	1.9	1.5	1.6	1.6	1.6
350- 375	25	1.3	1.3	1.3	1.5	1.8	1.6	1.4	1.4	1.4	1.4
375- 400	25	1.1	1.1	1.1	1.3	1.5	1.4	1.2	1.2	1.2	1.2
400- 425	25	1.0	1.0	1.0	1.1	1.2	1.2	1.1	1.1	1.1	1.1

Table 2, (continuation)

Dose rate in the gap between JD and shifted muon chambers resulted from activation by low energy neutrons for T= 10 y, t= 100 d

R/Z, cm	dR/dZ	714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
		0	5	10	20	20	20	20	5	5	0
52- 54	2	84.5	83.3	83.3	77.6	76.6	76.3	77.2	77.8	82.2	81.0
53- 60	7	48.8	52.2	53.9	52.7	51.0	50.4	51.6	52.0	50.6	47.2
60- 70	10	32.5	36.9	40.6	41.5	40.6	40.0	39.4	37.4	34.5	30.9
70- 90	20	27.1	27.0	27.6	28.7	29.0	28.2	25.6	22.4	20.5	17.0
90- 110	20	15.0	15.6	17.0	18.5	19.4	18.4	16.6	14.6	13.2	12.5
110- 130	20	10.1	10.5	11.5	12.7	13.3	12.9	11.7	10.3	9.7	9.4
130- 150	20	7.5	7.7	8.3	9.2	9.5	9.4	8.7	7.7	7.3	7.3
150- 175	25	5.6	5.7	6.0	6.7	6.8	6.8	6.5	5.7	5.6	5.6
175- 200	25	4.1	4.2	4.3	4.9	4.9	5.0	4.8	4.3	4.3	4.3
200- 225	25	3.2	3.2	3.2	3.7	3.8	3.8	3.6	3.3	3.3	3.3
225- 250	25	2.5	2.5	2.5	2.8	3.1	3.0	2.7	2.6	2.7	2.7
250- 275	25	2.1	2.1	2.0	2.2	2.6	2.5	2.1	2.1	2.1	2.2
275- 300	25	1.7	1.7	1.6	1.7	2.2	2.1	1.7	1.7	1.7	1.7
300- 325	25	1.4	1.4	1.3	1.5	1.9	1.7	1.4	1.4	1.4	1.4
325- 350	25	1.2	1.2	1.1	1.2	1.6	1.5	1.2	1.2	1.2	1.2
350- 375	25	1.0	1.0	1.0	1.1	1.3	1.2	1.0	1.0	1.0	1.0
375- 400	25	0.9	0.9	0.9	1.0	1.1	1.0	0.9	0.9	0.9	0.9
400- 425	25	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9

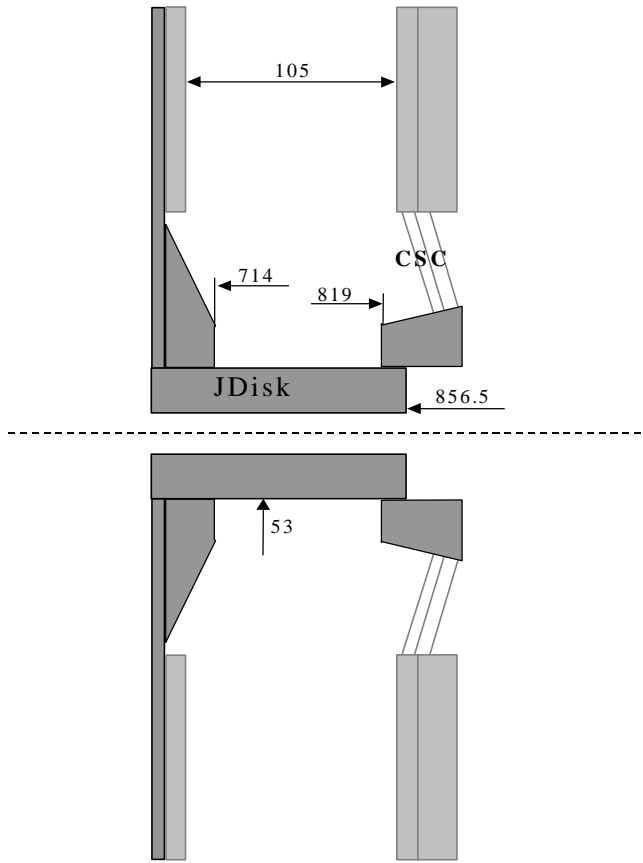


Fig.2 Access scenario to the area between JD and shifted muon chambers.

Table 1

Dose rate in the gap between JD and shifted muon chambers resulted from activation by low energy neutrons for T= 100d, t=1 d, **(Sb in lead excluded)**

R/Z, cm	dR/dZ	714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
		0	5	10	20	20	20	20	5	5	0
53	0	75.6	61.7	49.6	39.9	35.9	36.8	42.6	52.0	60.5	76.9
53- 60	7	88.1	65.8	49.0	35.5	29.9	30.7	38.7	52.1	64.8	90.4
60- 70	10	66.2	52.7	41.4	30.9	26.7	27.3	33.1	43.6	50.9	65.0
70- 90	20	16.9	18.5	20.7	21.1	20.1	20.3	21.3	20.7	19.1	17.5
90- 110	20	6.6	7.3	9.4	11.6	12.9	12.8	11.1	9.0	7.4	6.6
110- 130	20	5.0	5.2	6.3	7.5	8.3	8.2	7.2	6.1	5.3	5.0
130- 150	20	3.8	3.9	4.5	5.1	5.7	5.6	5.0	4.3	3.9	3.8
150- 175	25	2.8	2.8	3.2	3.7	3.8	3.8	3.6	3.0	2.8	2.8
175- 200	25	2.2	2.2	2.4	2.7	2.6	2.6	2.6	2.2	2.1	2.1
200- 225	25	1.7	1.7	1.7	2.0	1.9	1.9	1.9	1.7	1.7	1.7
225- 250	25	1.4	1.3	1.3	1.5	1.5	1.5	1.4	1.3	1.3	1.3
250- 275	25	1.1	1.1	1.0	1.1	1.3	1.2	1.1	1.0	1.0	1.0
275- 300	25	0.9	0.9	0.8	0.8	1.1	1.0	0.8	0.8	0.8	0.8
300- 325	25	0.7	0.7	0.6	0.7	1.0	0.9	0.6	0.6	0.7	0.7
325- 350	25	0.5	0.5	0.5	0.6	0.8	0.8	0.5	0.5	0.5	0.5
350- 375	25	0.4	0.4	0.4	0.5	0.7	0.7	0.4	0.4	0.4	0.4
375- 400	25	0.4	0.4	0.4	0.4	0.6	0.6	0.4	0.4	0.4	0.4
400- 425	25	0.3	0.3	0.4	0.4	0.5	0.5	0.4	0.3	0.3	0.3

Table 1, (continuation)

Dose rate in the gap between JD and shifted muon chambers resulted from activation by low energy neutrons for T= 100d, t=5 d **(Sb in lead excluded)**

R/Z, cm	dR/dZ	714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
		0	5	10	20	20	20	20	5	5	0
53	0	35.4	34.4	32.1	30.4	29.4	29.9	31.2	32.9	33.9	34.9
53- 60	7	24.0	23.4	22.0	20.5	19.6	19.9	21.3	22.4	23.0	23.6
60- 70	10	16.3	16.3	16.3	16.0	15.4	15.7	16.5	16.1	16.1	15.9
70- 90	20	6.9	8.2	9.3	10.5	10.9	10.9	10.3	9.1	8.3	6.7
90- 110	20	4.4	4.6	5.4	6.4	7.0	6.9	6.2	5.3	4.7	4.3
110- 130	20	3.2	3.3	3.8	4.3	4.7	4.7	4.2	3.7	3.3	3.2
130- 150	20	2.5	2.5	2.8	3.2	3.3	3.3	3.1	2.6	2.5	2.5
150- 175	25	1.9	1.9	2.0	2.3	2.4	2.4	2.2	2.0	1.9	1.9
175- 200	25	1.5	1.5	1.5	1.7	1.7	1.7	1.7	1.5	1.5	1.5
200- 225	25	1.2	1.2	1.2	1.3	1.4	1.3	1.2	1.1	1.1	1.1
225- 250	25	1.0	0.9	0.9	1.0	1.1	1.1	0.9	0.9	0.9	0.9
250- 275	25	0.8	0.8	0.7	0.8	0.9	0.9	0.7	0.7	0.7	0.7
275- 300	25	0.6	0.6	0.6	0.6	0.8	0.8	0.6	0.6	0.6	0.6
300- 325	25	0.5	0.5	0.5	0.5	0.7	0.6	0.5	0.5	0.5	0.5
325- 350	25	0.4	0.4	0.4	0.4	0.6	0.5	0.4	0.4	0.4	0.4
350- 375	25	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4
375- 400	25	0.3	0.3	0.3	0.3	0.4	0.4	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

Table 1, (continuation)

Dose rate in the gap between JD and shifted muon chambers resulted from activation by low energy neutrons for T= 100d, t= 100 d (**Sb in lead excluded**)

R/Z, cm		714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
	dR/dZ	0	5	10	20	20	20	20	5	5	0
53	0	21.2	20.4	18.7	17.7	17.1	17.2	17.8	19.0	20.0	20.7
53- 60	7	14.6	13.8	13.1	11.9	11.4	11.5	12.3	13.2	13.8	14.6
60- 70	10	9.7	9.6	9.7	9.4	9.1	9.1	9.5	9.6	9.6	9.6
70- 90	20	4.1	4.8	5.5	6.2	6.4	6.4	6.0	5.3	4.8	4.0
90- 110	20	2.6	2.7	3.2	3.8	4.1	4.0	3.6	3.0	2.7	2.5
110- 130	20	1.9	2.0	2.2	2.6	2.8	2.7	2.5	2.1	2.0	1.9
130- 150	20	1.4	1.5	1.6	1.8	2.0	1.9	1.8	1.6	1.5	1.4
150- 175	25	1.1	1.1	1.2	1.4	1.4	1.4	1.3	1.1	1.1	1.1
175- 200	25	0.9	0.9	0.9	1.0	1.0	1.0	1.0	0.9	0.8	0.8
200- 225	25	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.6	0.7	0.7
225- 250	25	0.5	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5
250- 275	25	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4
275- 300	25	0.4	0.4	0.3	0.4	0.5	0.4	0.3	0.3	0.3	0.3
300- 325	25	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3
325- 350	25	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2
350- 375	25	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2
375- 400	25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
400- 425	25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Table 1, (continuation)

Dose rate in the gap between JD and shifted muon chambers resulted from activation by low energy neutrons for T= 10 y, t= 1 d (**Sb in lead excluded**)

R/Z, cm		714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
	dR\dZ	0	5	10	20	20	20	20	5	5	0
53	0	142.4	129.5	117.3	104.9	101.3	101.7	106.3	118.2	124.8	139.9
53- 60	7	126.0	105.6	91.4	77.0	70.2	70.9	79.3	92.9	104.7	125.4
60- 70	10	89.7	79.6	71.7	62.8	58.3	58.6	63.9	72.3	77.2	87.8
70- 90	20	29.9	33.8	38.7	41.7	42.1	42.0	40.8	37.6	34.2	29.4
90- 110	20	15.7	17.0	20.6	24.5	26.9	26.6	23.4	19.5	16.9	15.4
110- 130	20	11.9	12.2	14.1	16.4	18.0	17.7	15.8	13.3	12.0	11.6
130- 150	20	8.9	9.0	10.2	11.7	12.6	12.4	11.3	9.7	9.0	8.8
150- 175	25	6.7	6.8	7.4	8.5	8.7	8.7	8.2	7.0	6.7	6.7
175- 200	25	5.3	5.3	5.5	6.3	6.2	6.2	6.0	5.2	5.1	5.2
200- 225	25	4.2	4.1	4.1	4.7	4.7	4.7	4.4	4.0	4.0	4.0
225- 250	25	3.3	3.3	3.2	3.5	3.8	3.7	3.3	3.1	3.2	3.2
250- 275	25	2.7	2.7	2.5	2.7	3.2	3.1	2.5	2.5	2.6	2.6
275- 300	25	2.2	2.2	2.0	2.1	2.8	2.6	2.0	2.0	2.1	2.1
300- 325	25	1.8	1.8	1.6	1.7	2.4	2.2	1.6	1.6	1.7	1.7
325- 350	25	1.5	1.4	1.4	1.5	2.0	1.9	1.4	1.3	1.4	1.4
350- 375	25	1.2	1.2	1.2	1.3	1.7	1.6	1.2	1.2	1.2	1.2
375- 400	25	1.1	1.1	1.1	1.2	1.4	1.3	1.1	1.1	1.1	1.1
400- 425	25	1.0	1.0	1.0	1.0	1.1	1.1	1.0	1.0	1.0	1.0

Table 1, (continuation)

Dose rate in the gap between JD and shifted muon chambers resulted from activation by low energy neutrons for T= 10 y, t= 5 d (**Sb in lead excluded**)

R/Z, cm		714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
	dR\dZ	0	5	10	20	20	20	20	5	5	0
53	0	103.9	105.0	99.7	97.6	92.8	94.2	93.9	99.2	98.7	97.7
53- 60	7	61.6	65.0	65.1	62.5	60.3	60.6	61.9	63.7	62.3	59.3
60- 70	10	40.1	43.6	46.7	47.9	47.2	47.1	47.0	44.8	42.4	38.5
70- 90	20	19.9	23.5	27.3	31.2	32.9	32.6	29.7	25.9	23.3	18.6
90- 110	20	13.6	14.3	16.6	19.3	20.9	20.7	18.4	15.7	14.1	13.1
110- 130	20	9.9	10.2	11.6	13.2	14.3	14.1	12.7	11.0	10.1	9.9
130- 150	20	7.6	7.7	8.4	9.6	10.1	10.0	9.3	8.0	7.6	7.5
150- 175	25	5.8	5.8	6.2	7.1	7.2	7.2	6.8	6.0	5.8	5.8
175- 200	25	4.6	4.5	4.6	5.3	5.3	5.3	5.0	4.5	4.4	4.4
200- 225	25	3.6	3.6	3.5	3.9	4.1	4.1	3.8	3.4	3.5	3.5
225- 250	25	2.9	2.9	2.8	3.0	3.4	3.3	2.8	2.7	2.8	2.8
250- 275	25	2.4	2.3	2.2	2.4	2.9	2.8	2.2	2.2	2.3	2.3
275- 300	25	1.9	1.9	1.8	1.9	2.5	2.3	1.7	1.8	1.8	1.9
300- 325	25	1.6	1.6	1.5	1.6	2.1	2.0	1.5	1.5	1.5	1.5
325- 350	25	1.4	1.3	1.3	1.4	1.8	1.6	1.3	1.3	1.3	1.3
350- 375	25	1.2	1.2	1.1	1.2	1.5	1.4	1.1	1.1	1.1	1.1
375- 400	25	1.1	1.1	1.0	1.1	1.2	1.2	1.0	1.0	1.0	1.0
400- 425	25	1.0	1.0	1.0	1.0	0.9	0.9	1.0	1.0	1.0	1.0

Table 1, (continuation)

Dose rate in the gap between JD and shifted muon chambers resulted from activation by low energy neutrons for T= 10 y, t= 100 d (**Sb in lead excluded**)

R/Z, cm		714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
	dR/dZ	0	5	10	20	20	20	20	5	5	0
53	0	84.5	83.3	83.0	79.0	76.1	76.0	76.7	82.2	82.2	81.0
53- 60	7	48.6	51.8	52.6	50.9	49.7	49.5	50.5	51.0	50.2	46.8
60- 70	10	31.2	34.6	37.8	39.0	38.8	38.5	38.2	35.5	33.5	30.1
70- 90	20	16.1	19.0	22.1	25.5	26.9	26.6	24.2	21.0	18.9	14.9
90- 110	20	11.1	11.8	13.6	15.8	17.2	17.0	15.0	12.9	11.5	10.7
110- 130	20	8.2	8.4	9.4	10.8	11.6	11.5	10.4	9.0	8.3	8.1
130- 150	20	6.3	6.3	6.9	7.9	8.3	8.2	7.6	6.6	6.2	6.2
150- 175	25	4.8	4.8	5.1	5.8	5.9	5.9	5.6	4.9	4.7	4.7
175- 200	25	3.7	3.7	3.8	4.3	4.4	4.4	4.1	3.7	3.7	3.7
200- 225	25	2.9	2.9	2.9	3.2	3.4	3.4	3.1	2.8	2.8	2.9
225- 250	25	2.4	2.3	2.3	2.5	2.8	2.7	2.3	2.2	2.3	2.3
250- 275	25	1.9	1.9	1.8	1.9	2.4	2.3	1.8	1.8	1.9	1.9
275- 300	25	1.6	1.6	1.5	1.5	2.0	1.9	1.4	1.4	1.5	1.5
300- 325	25	1.3	1.3	1.2	1.3	1.7	1.6	1.2	1.2	1.2	1.3
325- 350	25	1.1	1.1	1.0	1.1	1.4	1.4	1.0	1.0	1.1	1.1
350- 375	25	1.0	1.0	0.9	1.0	1.2	1.1	0.9	0.9	0.9	0.9
375- 400	25	0.9	0.9	0.9	0.9	1.0	0.9	0.9	0.8	0.9	0.9
400- 425	25	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

Table 2

Dose rate in the gap between JD and shifted muon chambers resulted from activation by low energy neutrons for T= 100d, t=1 d, **(Co in stainless steel excluded)**

R/Z, cm	dR/dZ	714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
		0	5	10	20	20	20	20	5	5	0
53	0	67.7	53.3	42.8	34.9	30.0	30.1	35.5	44.0	52.6	67.2
53- 60	7	86.7	63.1	48.5	37.2	30.2	29.7	37.3	50.0	63.0	86.5
60- 70	10	67.7	56.1	48.3	36.5	29.9	29.0	34.4	44.8	52.2	66.1
70- 90	20	56.5	45.7	38.8	30.6	25.2	23.5	23.9	23.9	23.3	23.8
90- 110	20	19.2	20.2	20.7	19.9	18.6	16.9	15.1	13.7	12.7	12.1
110- 130	20	11.0	11.7	13.0	13.3	13.2	12.3	11.0	10.0	9.3	9.0
130- 150	20	7.9	8.2	9.0	9.2	9.3	9.0	8.3	7.7	7.3	7.1
150- 175	25	5.2	5.4	6.1	6.4	6.4	6.4	6.2	5.7	5.5	5.4
175- 200	25	3.3	3.4	4.0	4.4	4.3	4.5	4.6	4.3	4.1	4.1
200- 225	25	2.3	2.4	2.8	3.2	3.0	3.2	3.5	3.3	3.2	3.2
225- 250	25	1.7	1.8	2.0	2.5	2.3	2.4	2.6	2.5	2.5	2.5
250- 275	25	1.4	1.4	1.5	1.9	1.8	1.8	1.9	1.9	1.9	1.9
275- 300	25	1.1	1.2	1.2	1.4	1.6	1.5	1.4	1.5	1.5	1.5
300- 325	25	0.9	0.9	0.9	1.1	1.4	1.2	1.1	1.1	1.2	1.2
325- 350	25	0.7	0.7	0.7	0.9	1.2	1.1	0.8	0.9	0.9	0.9
350- 375	25	0.5	0.5	0.6	0.8	1.1	0.9	0.7	0.7	0.7	0.7
375- 400	25	0.4	0.4	0.5	0.7	1.0	0.8	0.6	0.5	0.6	0.6
400- 425	25	0.3	0.3	0.4	0.6	0.8	0.8	0.5	0.5	0.5	0.5

Table 2, (continuation)

Dose rate in the gap between JD and shifted muon chambers resulted from activation by low energy neutrons for T= 100d, t=5 d **(Co in stainless steel excluded)**

R/Z, cm	dR/dZ	714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
		0	5	10	20	20	20	20	5	5	0
53	0	26.0	25.4	25.0	24.4	22.8	22.6	23.7	25.0	26.0	27.0
53- 60	7	20.5	20.2	20.8	20.6	18.8	18.0	18.9	20.2	20.8	22.1
60- 70	10	17.5	19.1	21.2	19.6	17.3	16.5	16.3	16.4	16.4	16.6
70- 90	20	38.3	29.9	23.3	17.6	14.5	12.9	11.8	11.1	11.2	11.5
90- 110	20	14.5	14.9	14.5	12.9	11.2	9.9	9.1	8.7	8.7	8.6
110- 130	20	8.0	8.4	8.8	8.8	8.3	7.7	7.1	6.6	6.4	6.3
130- 150	20	5.7	5.9	6.2	6.2	6.1	5.9	5.6	5.3	5.1	5.0
150- 175	25	3.7	3.9	4.3	4.3	4.3	4.4	4.2	4.0	3.9	3.9
175- 200	25	2.3	2.4	2.8	3.0	3.0	3.1	3.2	3.0	3.0	2.9
200- 225	25	1.6	1.6	1.9	2.2	2.2	2.3	2.4	2.4	2.3	2.3
225- 250	25	1.2	1.2	1.4	1.7	1.7	1.7	1.8	1.8	1.8	1.8
250- 275	25	1.0	1.0	1.1	1.3	1.4	1.3	1.4	1.4	1.4	1.4
275- 300	25	0.8	0.8	0.9	1.1	1.1	1.0	1.1	1.1	1.1	1.1
300- 325	25	0.6	0.7	0.7	0.9	1.0	0.9	0.8	0.9	0.9	0.9
325- 350	25	0.5	0.5	0.6	0.7	0.9	0.7	0.6	0.7	0.7	0.7
350- 375	25	0.4	0.4	0.5	0.6	0.8	0.7	0.5	0.5	0.6	0.6
375- 400	25	0.3	0.3	0.4	0.5	0.7	0.6	0.5	0.5	0.5	0.5
400- 425	25	0.3	0.3	0.3	0.4	0.6	0.5	0.4	0.4	0.4	0.4

Table 2, (continuation)

Dose rate in the gap between JD and shifted muon chambers resulted from activation by low energy neutrons for T= 100d, t= 100 d (**Co in stainless steel excluded**)

R/Z, cm		714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
	dR\dZ	0	5	10	20	20	20	20	5	5	0
53	0	11.6	10.7	9.8	9.1	8.4	8.5	9.1	9.9	10.9	11.9
53- 60	7	10.4	9.2	8.5	7.8	7.0	6.8	7.5	8.6	9.4	10.8
60- 70	10	8.3	8.2	8.3	7.3	6.4	6.2	6.5	7.0	7.4	8.0
70- 90	20	12.2	9.8	8.0	6.3	5.3	4.9	4.6	4.4	4.3	4.3
90- 110	20	4.7	4.9	4.8	4.4	4.0	3.6	3.3	3.1	3.0	2.9
110- 130	20	2.6	2.8	3.0	3.0	2.9	2.7	2.5	2.3	2.2	2.1
130- 150	20	1.9	2.0	2.1	2.1	2.1	2.1	1.9	1.8	1.7	1.7
150- 175	25	1.3	1.3	1.4	1.5	1.5	1.5	1.4	1.3	1.3	1.3
175- 200	25	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.0	1.0	1.0
200- 225	25	0.6	0.6	0.7	0.8	0.7	0.8	0.8	0.8	0.8	0.8
225- 250	25	0.4	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
250- 275	25	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
275- 300	25	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
300- 325	25	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
325- 350	25	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2
350- 375	25	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2
375- 400	25	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
400- 425	25	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1

Table 2, (continuation)

Dose rate in the gap between JD and shifted muon chambers resulted from activation by low energy neutrons for T= 10 y, t= 1 d (Co in stainless steel excluded)

R/Z, cm	dR/dZ	714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
		0	5	10	20	20	20	20	5	5	0
53	0	75.7	60.3	48.7	40.0	34.5	34.6	40.6	50.0	59.6	77.7
53- 60	7	95.5	70.6	54.3	41.6	33.9	33.7	41.9	56.0	70.0	98.0
60- 70	10	74.7	62.2	53.5	40.5	33.5	32.6	38.3	49.5	57.9	73.3
70- 90	20	61.8	50.4	42.6	33.9	28.1	26.3	26.6	26.7	25.9	26.3
90- 110	20	21.1	22.3	22.9	22.0	20.7	18.8	16.9	15.2	14.0	13.4
110- 130	20	12.1	12.8	14.2	14.6	14.5	13.8	12.2	11.1	10.3	10.0
130- 150	20	8.7	9.0	9.9	10.1	10.3	10.0	9.2	8.5	8.0	7.9
150- 175	25	5.8	6.0	6.8	7.1	7.1	7.1	6.9	6.4	6.1	6.0
175- 200	25	3.7	3.8	4.5	5.0	4.8	5.0	5.1	4.7	4.6	4.5
200- 225	25	2.6	2.7	3.1	3.6	3.3	3.6	3.8	3.6	3.5	3.5
225- 250	25	2.0	2.0	2.2	2.7	2.5	2.7	2.9	2.8	2.8	2.8
250- 275	25	1.6	1.6	1.7	2.1	2.1	2.0	2.1	2.1	2.1	2.1
275- 300	25	1.3	1.3	1.3	1.6	1.8	1.6	1.6	1.6	1.7	1.7
300- 325	25	1.0	1.0	1.0	1.3	1.6	1.4	1.2	1.3	1.3	1.3
325- 350	25	0.8	0.8	0.8	1.0	1.4	1.2	0.9	1.0	1.0	1.0
350- 375	25	0.6	0.6	0.7	0.9	1.2	1.1	0.7	0.7	0.8	0.8
375- 400	25	0.5	0.5	0.5	0.7	1.1	0.9	0.6	0.6	0.6	0.6
400- 425	25	0.4	0.4	0.5	0.6	0.9	0.9	0.6	0.5	0.5	0.5

Table 2, (continuation)

Dose rate in the gap between JD and shifted muon chambers resulted from activation by low energy neutrons for T= 10 y, t= 5 d (Co in stainless steel excluded)

R/Z, cm	dR/dZ	714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
		0	5	10	20	20	20	20	5	5	0
53	0	34.5	32.4	31.1	29.4	27.0	26.9	28.6	31.0	32.5	35.2
53- 60	7	29.6	27.2	26.6	25.0	22.3	21.9	23.2	26.2	27.8	31.4
60- 70	10	24.3	24.8	26.4	23.6	20.7	19.7	20.2	21.6	22.1	23.4
70- 90	20	43.1	34.1	27.2	20.9	17.3	15.7	14.5	14.0	13.9	14.0
90- 110	20	16.4	17.0	16.7	14.9	13.1	11.8	10.7	10.2	10.0	9.9
110- 130	20	9.1	9.5	10.3	10.2	9.7	9.1	8.3	7.7	7.4	7.3
130- 150	20	6.5	6.7	7.2	7.2	7.1	6.9	6.5	6.1	5.9	5.8
150- 175	25	4.3	4.5	4.9	5.0	5.0	5.1	4.9	4.6	4.5	4.4
175- 200	25	2.7	2.8	3.2	3.5	3.5	3.6	3.7	3.5	3.4	3.4
200- 225	25	1.8	1.9	2.2	2.6	2.5	2.7	2.8	2.7	2.7	2.6
225- 250	25	1.4	1.4	1.6	2.0	1.9	2.0	2.1	2.1	2.0	2.0
250- 275	25	1.2	1.2	1.2	1.5	1.6	1.5	1.6	1.6	1.6	1.6
275- 300	25	0.9	1.0	1.0	1.2	1.3	1.2	1.2	1.3	1.3	1.3
300- 325	25	0.8	0.8	0.8	1.0	1.2	1.0	0.9	1.0	1.0	1.0
325- 350	25	0.6	0.6	0.7	0.8	1.0	0.9	0.7	0.8	0.8	0.8
350- 375	25	0.5	0.5	0.5	0.7	0.9	0.8	0.6	0.6	0.7	0.7
375- 400	25	0.4	0.4	0.4	0.6	0.8	0.7	0.5	0.5	0.5	0.5
400- 425	25	0.3	0.3	0.4	0.5	0.7	0.6	0.5	0.5	0.5	0.5

Table 2, (continuation)

Dose rate in the gap between JD and shifted muon chambers resulted from activation by low energy neutrons for T= 10 y, t= 100 d (**Co in stainless steel excluded**)

R/Z, cm		714	714- 719	719- 729	729- 749	749- 769	769- 789	789- 809	809- 814	814- 819	819
	dR\dZ	0	5	10	20	20	20	20	5	5	0
53	0	16.8	15.0	13.4	11.8	10.8	10.8	12.3	14.0	15.0	17.3
53- 60	7	16.8	14.0	12.2	10.3	9.1	9.0	10.4	12.6	14.0	17.3
60- 70	10	13.5	12.3	11.5	9.7	8.5	8.2	9.0	10.4	11.4	13.3
70- 90	20	14.4	11.8	10.0	8.1	6.9	6.5	6.2	6.0	5.9	5.8
90- 110	20	5.5	5.8	5.8	5.5	5.1	4.7	4.2	3.9	3.6	3.5
110- 130	20	3.2	3.3	3.6	3.7	3.7	3.5	3.1	2.8	2.7	2.6
130- 150	20	2.3	2.4	2.5	2.6	2.6	2.6	2.4	2.2	2.1	2.1
150- 175	25	1.5	1.6	1.8	1.8	1.8	1.9	1.8	1.7	1.6	1.6
175- 200	25	1.0	1.0	1.2	1.3	1.3	1.3	1.3	1.3	1.2	1.2
200- 225	25	0.7	0.7	0.8	0.9	0.9	1.0	1.0	1.0	0.9	0.9
225- 250	25	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.7	0.7	0.7
250- 275	25	0.4	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
275- 300	25	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.5	0.5
300- 325	25	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.4	0.4	0.4
325- 350	25	0.2	0.2	0.2	0.3	0.4	0.3	0.3	0.3	0.3	0.3
350- 375	25	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2
375- 400	25	0.1	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2
400- 425	25	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2