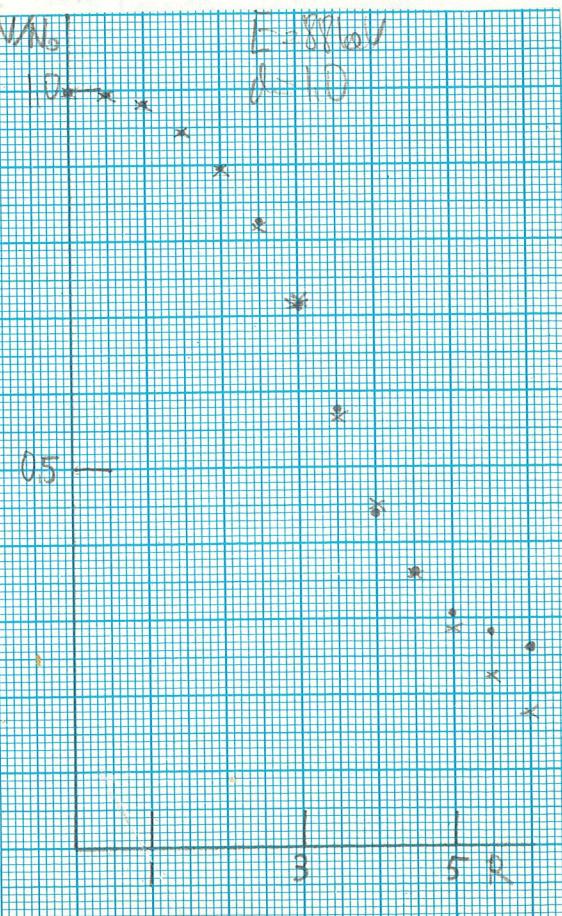


$$E=88 \text{ keV} \quad d=1 \text{ a}$$

N	M_p	N_{tot}	d	N	N/N_p	$1 - \frac{N}{N_p}$	
0	145041	14055	149655	0	149110	1	0
0.5	142080	4027	146638	0.5	148578	0.9964	0.0036
1	136526	3925	140880	1	146322	0.9813	0.0187
1.5	131712	3579	135374	1.5	140852	0.9446	0.0554
2	122242	3256	125258	2	133537	0.8956	0.1044
2.5	106621	2789	108703	2.5	127918	0.8243	0.1757
3	90834	2361	92060	3	10681	0.7124	0.2876
3.5	67016	2122	67764	3.5	86004	0.5768	
4	54864	1861	55078	4	65445	0.4389	
4.5	46521	1884	46793	4.5	53833	0.3610	
5	41934	1787	42012	5	45762	0.3069	
5.5	38488	1756	38504	5.5	42012	0.2818	
6	143204	4016	147740	6	38504	0.2582	
6.5	144368	4119	149110				
7	143730	4052	148830				
7.5	141552	3975	146006				
8	136690	3815	140824				
8.5	128160	3518	131700				
9	118078	2998	120578				
9.5	101962	2646	103758				
10	79794	2075	79948				
10.5	62754	1934	63126				
11	52392	1846	52588				
11.5	44526	1850	44730				



$$\left(\frac{u}{u_0}\right)_F = 1 - 0.02052r^{2.3782}$$

$$0.9961 \quad W=0$$

0.9795 w₂₀

0.9462

0.8933

$$0,8187 \quad w=2$$

$$0.7203 \quad w=2$$

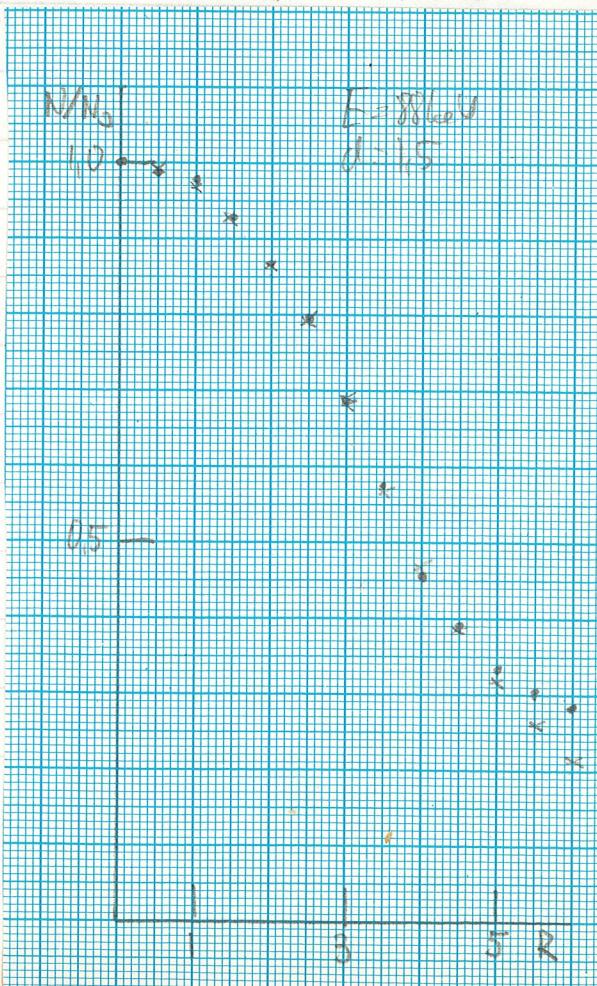
W20

W2

W3

E28964 d215am

	N	N _p	N _{tot}
0	124339	3492	127827
0.5	123741	3308	126861
1	117357	3224	120303
1.5	111210	3021	113756
2	103204	2745	105198
2.5	90497	2359	91719
3	76053	2219	76995
3.5	59647	2138	60027
4	51133	1912	51461
4.5	44165	1791	44251
5	39612	1774	39664
5.5	36278	1800	36382
6	125088	3382	128356
6.5	126285	3457	129703
-1	124193	3405	127907
-1.5	123179	3444	126571
-2	117259	3191	120645
-2.5	108976	2866	111212
-3	98750	2477	101208
-3.5	84114	2666	859950
-4	71137	2052	71745
-4.5	57422	1971	57768
-5	49868	1790	49982
-5.5	42338	1837	42516
D			



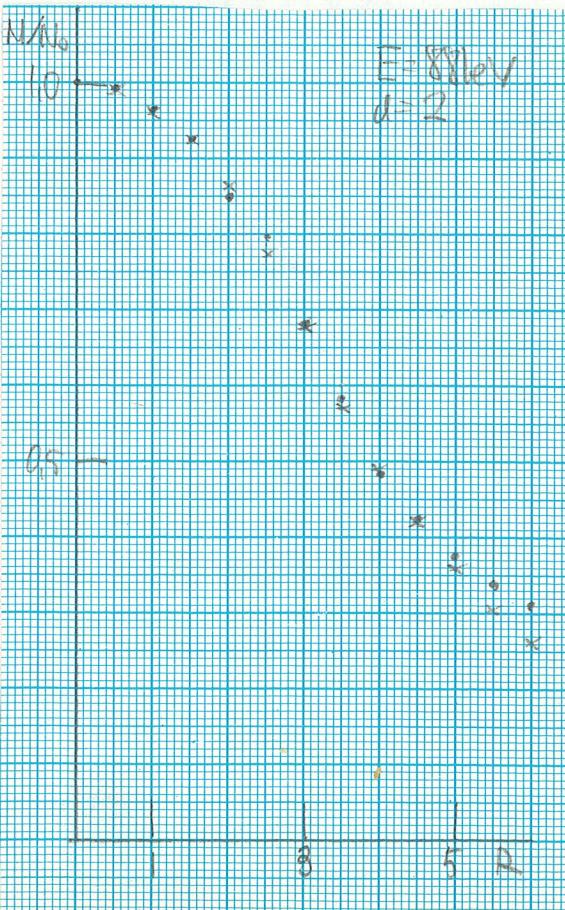
R	N	N/N ₀	1 - N/N ₀	(M/r^2) - 0.07988r^2/1285
0	129703	1	0.	
0.5	128030	0.9871	0.0129	0.9932
1	126716	0.9770	0.0230	0.9701
1.5	120474	0.9288	0.0712	0.9292
2	112484	0.8672	0.1328	0.8693
2.5	103203	0.7957	0.2043	0.7899
3	89835	0.6849	0.3151	0.6903
3.5	74370	0.5734		
4	58898	0.4541		
4.5	50722	0.3911		
5	43382	0.3345		
5.5	39664	0.3058		
6	36382	0.2805		

$$(1-r)\left(\frac{N}{N_0}\right)_r = 96848 e^{-0.3828(r-r_0)} \quad K=0.0389$$

W₂ 0.3816 0 0.0055
W₂ 0.3816 0.7 0.0159 0.0318
W₂ 0.2630 1 0.0428 0.0428
W₂ 0.2172 1.5 0.0633 0.0622

$E=88\text{ keV}$, $d=2\text{ fm}$, $d_1=29$, $d_2=41$, $d_3=80$

N	N ₀	N _{tot}	R	N	N/N ₀	R/N ₀
0	95933	9763	111451	-	0	111466
0.5	97633	9173	106971	0.5	110661	0.9928
1	90567	8652	103863	1	107270	0.9619
1.5	85460	7537	92926	1.5	103505	0.9286
2	79468	6761	88982	2	94463	0.8475
2.5	70855	5285	77417	2.5	88400	0.7931
3	62680	3960	66592	3	75832	0.6803
3.5	51957	3442	54833	3.5	65312	0.5859
4	46108	2940	47980	4	54442	0.4884
4.5	41172	2647	42458	4.5	47745	0.4238
5	36873	2175	38015	5	41178	0.3748
5.5	33878	2473	34816	5.5	38015	0.3410
6	91922	9410	110734	6	34816	0.3123
6.5	91608	9933	111466	-		
-1	94651	9578	109399	-		
-1.5	93380	9048	107468			
-2	90391	8382	103147			
-2.5	85509	7739	95999			
-3	79414	6206	87818			
-3.5	68457	4899	74247			
-4	60316	3862	64032			
-4.5	51656	3201	54050			
-5	44967	2775	46509			
-5.5	39919	2587	41085			



OGE
elitance

$\left(\frac{N}{N_0}\right)_T = 0.03201 e^{2.0862}$

$$\begin{aligned} & \text{w=0} & & \text{w=0} \\ & 0.9925 & & 0.9680 \\ & 0.9680 & & 0.9254 \\ & 0.9254 & & 0.8641 \\ & 0.8641 & & 0.7744 \\ & 0.7744 & & 0.6833 \\ & 0.6833 & & 0.5806 \\ & 0.5806 & & 0.4947 \\ & 0.4947 & & 0.4215 \\ & 0.4215 & & 0.3591 \\ & 0.3591 & & 0.3059 \\ & 0.3059 & & 0.2607 \\ & 0.2607 & & 0.2156 \\ & 0.2156 & & 0.1812 \\ & 0.1812 & & 0.1518 \\ & 0.1518 & & 0.1244 \\ & 0.1244 & & 0.1036 \end{aligned}$$

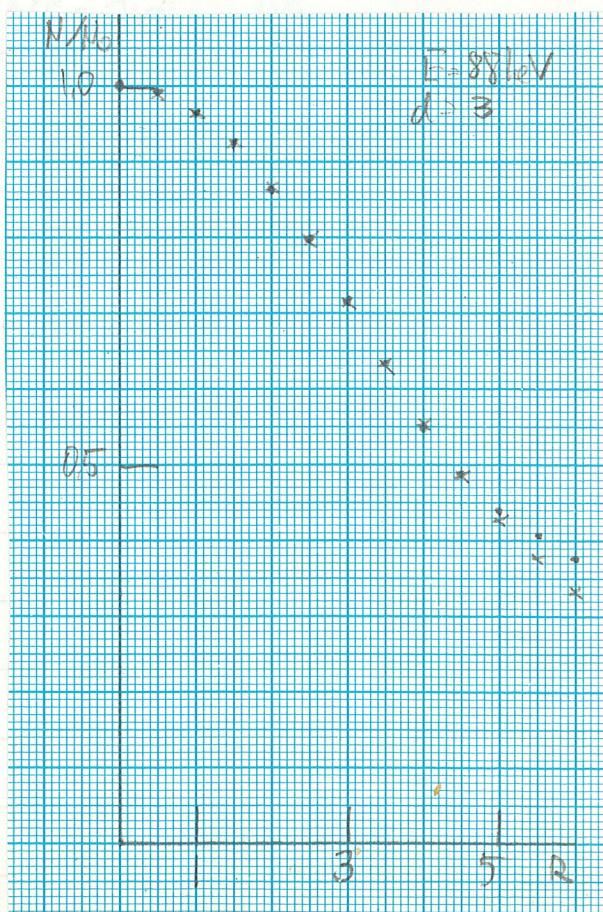
$$r_N \left(\frac{N}{N_0} \right)_T = 0.6815 e^{0.3204(R/N_0)} \approx 20.0336$$

31.3.88.

E=88 keV d=3 cm

 $N + (N_0 - N_{tot})^2$

	N	N_p	N_{tot}	R	N	N/N_0	$1 - \frac{N}{N_0}$	$(\frac{N}{N_0})^{1/2} - 0.03447r^{1.9321}$
0	73921	6352	82217	0	82227	1	0	
1	71941	6005	79943	0.5	81756	0.9937	0.0063	0.9910
1	69406	5706	76810	1	79260	0.9633	0.0367	0.9653
1.5	65381	5182	71737	1.5	76220	0.9264	0.0736	0.9246
2	61313	4627	66559	2	71002	0.8630	0.1370	0.8685
2.5	56869	3971	60803	2.5	65591	0.7972	0.2028	0.7978
3	51065	3487	54081	3	58820	0.7149	0.2851	0.7121
3.5	44474	2919	46304	3.5	52524	0.6384		0.6310
4	39629	2696	41013	4	45124	0.5490		0.5546
4.5	35539	2607	36745	4.5	40224	0.4889		0.4875
5	32596	2463	33514	5	36161	0.4395		0.4284
5.5	30170	2366	30894	5.5	33514	0.4073		0.3766
6	22820	6271	81354	6	30894	0.3755		0.3310
-0.5	73727	6279	82277					$r = B \left(\frac{N}{N_0} \right) = 0.7180 e^{-0.2582(r/B)}$
-1	73168	6269	81698					$B = 0.0275$
-1.5	70659	5963	78577					
-2	68878	5380	75630					
-2.5	64583	4846	70267					
-3	59776	4427	64622					
-3.5	53378	3733	56836					
-4	48623	3210	51035					
-4.5	42362	2845	44064					
-5	38227	2608	39435					
-5.5	34630	2577	35576					



$$(\frac{N}{N_0})^{1/2} - 0.03447 r^{1.9321}$$

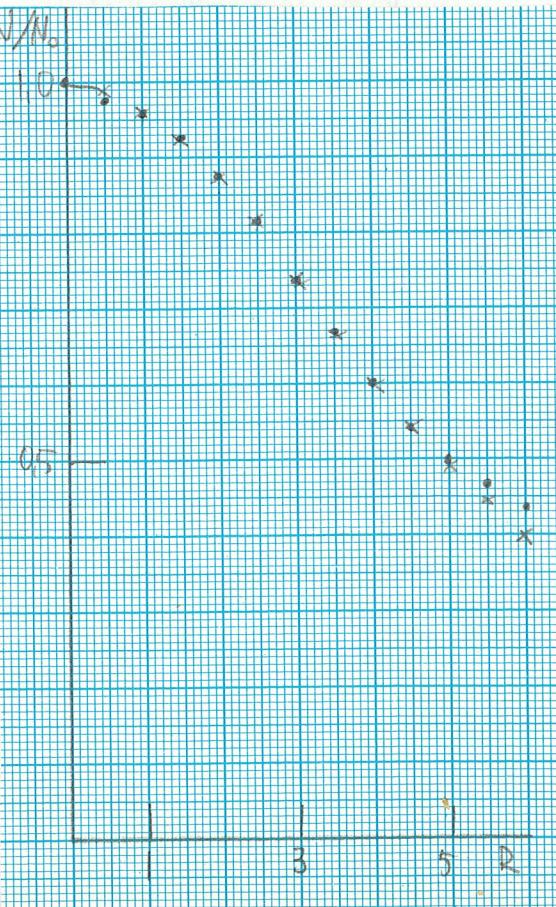
$$r = B \left(\frac{N}{N_0} \right) = 0.7180 e^{-0.2582(r/B)}$$

$$B = 0.0275$$

~ 0.200 ~ 0.25 ~ 0.30 ~ 0.35 ~ 0.40 ~ 0.45 ~ 0.50 ~ 0.55 ~ 0.60 ~ 0.65 ~ 0.70 ~ 0.75 ~ 0.80 ~ 0.85 ~ 0.90 ~ 0.95 ~ 1.00

E-88664 d=4 cm T=30°

			M _{tot}	R	N	N/N _b	1 - N/N _b
0	56224	4402	61020	0	61973	1	0
0.5	55738	4746	60222	0.5	60930	0.9767	0.0233
1	53620	4084	57780	1	59408	0.9586	0.0414
1.5	50943	3892	54719	1.5	57363	0.9256	0.0744
2	47822	3499	50812	2	54132	0.8735	0.1265
2.5	44326	3194	46706	2.5	50406	0.8133	0.1867
3	40392	2944	42272	3	45889	0.7393	0.2607
3.5	36652	2718	38080	3.5	41435	0.6686	
4	33329	2665	34651	4	37153	0.5995	
4.5	30315	2501	31309	4.5	33670	0.5433	
5	28115	2450	26007	5	31051	0.5010	
5.5	26579	2211	26983	5.5	29007	0.4681	
6	56013	4258	60521	6	26993	0.4356	
-0.5	57101	44408	61973				
-1	55576	4241	60050				
-1.5	54178	4212	58594				
-2	53102	3926	56946				
-2.5	50064	3744	53544				
-3	47329	3339	49999				
-3.5	42635	3152	46931				
-4	39022	2792	40598				
-4.5	34994	2620	36226				
-5	31727	2485	32689				
-5.5	29889	2456	30793				



$$\frac{N}{N_b} r^2 = 0.03593 \cdot 1.8079$$

$$N/N_b = 0.03593 \cdot 1.8079$$

$$N/N_b = 0.7396 \cdot e^{0.2066(r-1.5)}$$

$$r = 0.0251$$