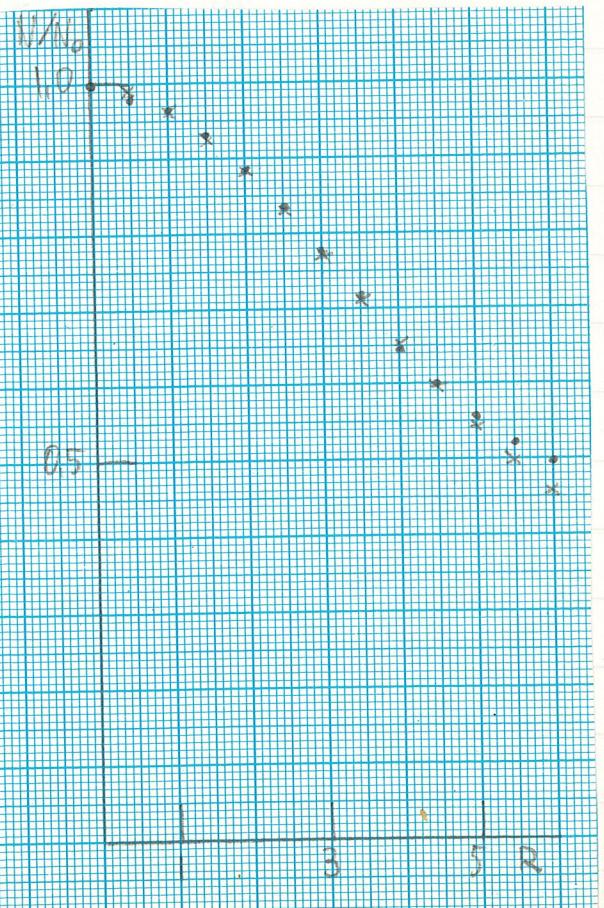


$E=88600$   $d=5\text{au}$   $a_1=279$   $a_2=45$   $a_3=80$

	R	N	N/W <sub>o</sub>	1 - R <sub>o</sub>
0	43098	3373	458367	0 47103 1 0
0.5	47365	3381	45119	0.5 46196 0.9807 0.0193
1	41606	3158	43914	1 45318 0.9621 0.0379
1.5	40063	3080	42215	1.5 43836 0.9306 0.0694
2	37305	3058	39413	2 41583 0.8828 0.1172
2.5	35333	2784	36893	2.5 39166 0.8315 0.1685
3	33225	2626	34469	3 36444 0.7737 0.2263
3.5	29944	2423	30782	3.5 33782 0.7172
4	27602	2373	28340	4 30432 0.6461
4.5	25650.	2383	26408	4.5 28157 0.5978
5	23900	2300	24492	5 26222 0.5567
5.5	22521	2348	23209	5.5 24492 0.5200
6	44092	3385	46854	6 23209 0.4927
-0.5	44327	3392	47103	
-1	43311	3297	45897	
-1.5	47965	3780	45917	
-2	41451	3157	43757	
-2.5	39133	2913	40951	
-3	37184	2771	38918	
-3.5	34586	2708	35994	
-4	31993	2555	33095	
-4.5	29107	2491	30081	
-5	27354	2314	27974	
-5.5	25477	2308	26035	
0.2	1788	20040	7251	



$$\left(\frac{N}{W_o}\right)_r = 0.03543 r^{1.6935}$$

$$r-r_1 \quad \Delta \quad k = \frac{\Delta}{r-r_1}$$

$$w=2 \quad 0 \quad 0.7762$$

$$0.5 \quad 1.2109$$

$$1 \quad 0.6512$$

$$1.5 \quad 0.5964 \quad 0 \quad 0.0014$$

$$w=0 \quad 2 \quad 0.5463 \quad 0.5 \quad 0.0103 \quad 0.0706$$

$$w=0 \quad 2.5 \quad 0.5604 \quad 1 \quad 0.0196 \quad 0.0196$$

$$w=0 \quad 3 \quad 0.4583 \quad 1.5 \quad 0.0344 \quad 0.0229$$

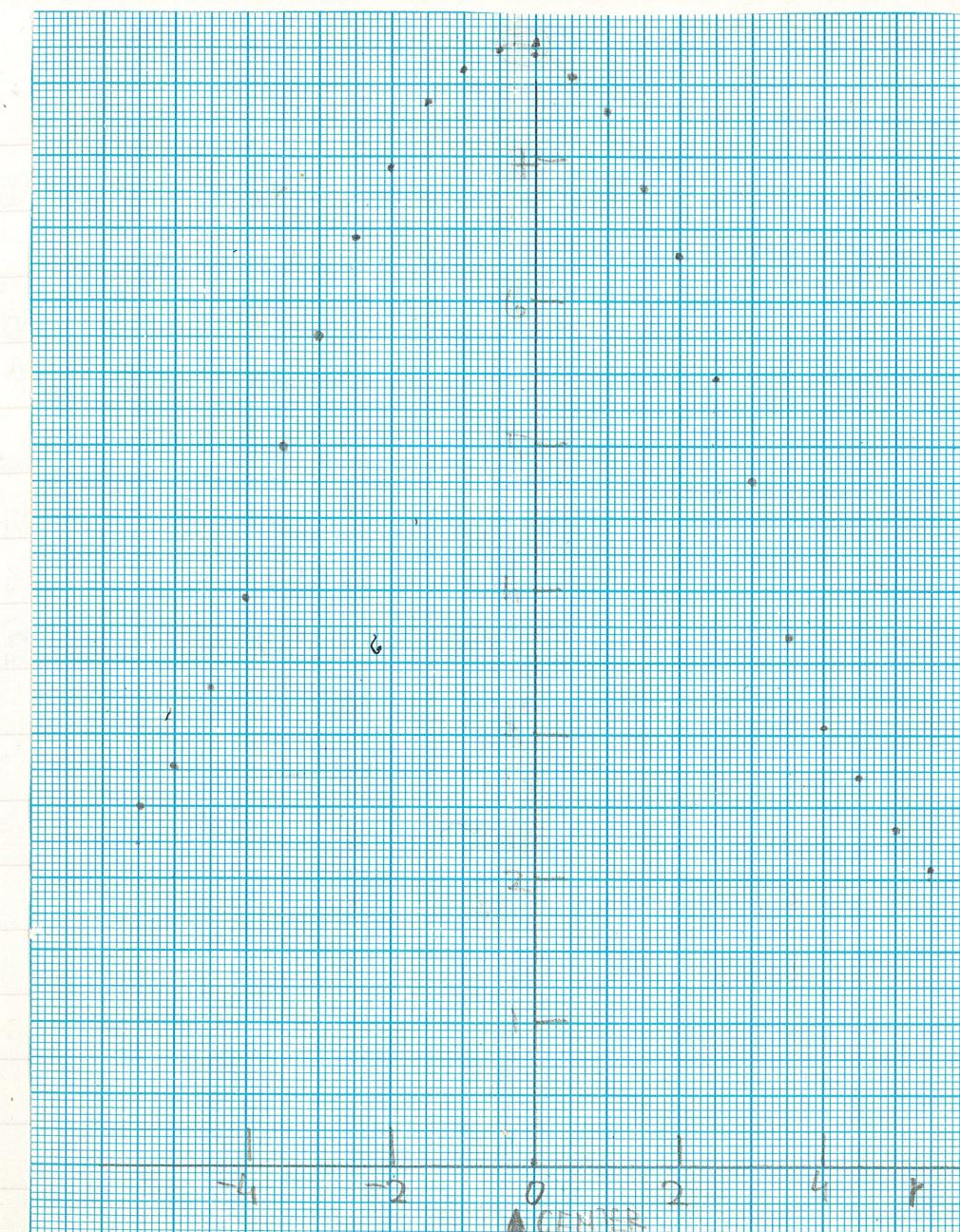
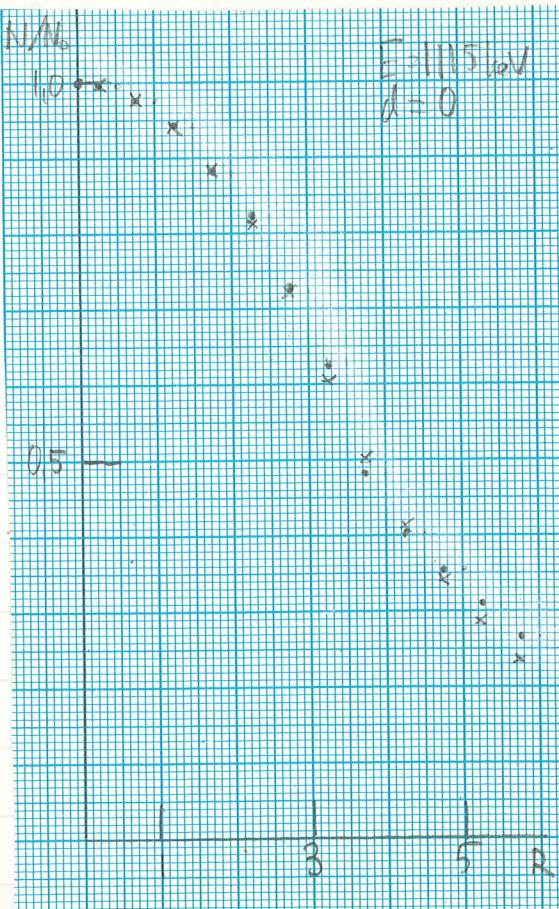
$$r-r_3 \quad \left(\frac{N}{W_o}\right)_r = 0.7762 e^{-0.1756(r-r_3)} \quad b = 0.0210$$

Lg. 88.

DnOR (Z CENTRE)

 $\Delta r = 1 \text{ mm}$ 
 $E=1115 \text{ keV}$   $d=6$   $d_1=354$   $d_2=432$   $d_3=802$ 

$d$	$N$	$N_b$	$N_{tot} = N + N_b/2$	$d$	$N$	$N/N_b$	$1 - N_b$
0	77930	14397	79185	0.75	78548	0.9943	0.0057
0.5	75426	1430	76672	0.75	76948	0.9710	0.0260
1	73131	1393	74340	1.25	74455	0.9425	0.0575
1.5	67644	1222	68682	1.75	69383	0.9783	0.1217
2	63001	1071	63888	2.25	64495	0.8864	0.1836
2.5	54758	857	55431	2.75	56873	0.7199	0.2801
3	47569	699	48084	3.25	49315	0.6242	
3.5	36486	503	36805	3.75	38371	0.4857	
4	30528	359	30703	4.25	32126	0.4067	
4.5	27029	311	27156	4.75	28048	0.3550	
5	23530	263	23609	5.25	24384	0.3087	
5.5	20873	269	20958	5.75	20958	0.2653	
0	77052	1375	78243				
-0.5	76993	1407	78216				
-1	76034	1373	77223				
-1.5	73728	1335	74879				
-2	69075	1182	70083				
-2.5	64207	1079	65102				
-3	57585	93	58314				
-3.5	49936	794	50546				
-4	39561	559	39936				
-4.5	33312	420	33548				
-5	28284	339	29939				
-5.5	25020	323	25158				
0.2	1938	T=300s					



$$r_b \quad N_b \quad N_b = 0.6649 e^{-0.3741(r/b)}$$

$$0.75 \quad 0.642 \quad 0.6056$$

$$0.75 \quad 0.4857 \quad 0.5072$$

$$1.25 \quad 0.4067 \quad 0.4166$$

$$1.75 \quad 0.3550 \quad 0.3457 \quad 0.25 \quad 0.0095 \quad 0.0380$$

$$2.25 \quad 0.3087 \quad 0.2966 \quad 0.75 \quad 0.0221 \quad 0.0295$$

$$2.75 \quad 0.2653 \quad 0.2377 \quad 1.25 \quad 0.0226 \quad 0.0221$$

$$r_b \quad \Delta \quad \frac{\Delta}{r_b} = k$$

$$\bar{k} = 0.0299$$

$$(N_b)_r = 1 - 0.03792 r^{1.9731}$$

$$0.9975 \quad W=0$$

$$0.9785 \quad W=0$$

$$0.9411 \quad W=0$$

$$0.8856 \quad W=0$$

$$0.8122 \quad W=0$$

$$0.7209 \quad W=0$$

$$0.63 \quad W=0$$

$$0.58 \quad W=0$$

$$0.50 \quad W=0$$

$$0.43 \quad W=0$$

$$0.39 \quad W=0$$

$$0.32 \quad W=0$$

$$0.27 \quad W=0$$

$$0.22 \quad W=0$$

$$0.18 \quad W=0$$

$$0.14 \quad W=0$$

$$0.10 \quad W=0$$

$$0.06 \quad W=0$$

$$0.02 \quad W=0$$

$E = 1115 \text{ keV}$   $d = 0.5$

d	N	Np	Ntot
0	61053	891	61760
0.5	59586	959	60361
1	56690	885	57391
1.5	56780	799	55395
2	49214	694	49724
2.5	44265	615	44696
3	38365	509	38690
3.5	31454	381	31651
4	27553	354	27723
4.5	24005	302	24733
5	21252	289	21357
5.5	18640	278	18734
6	60810	943	61569
6.5	61576	937	62379
7	60930	896	61622
7.5	58329	912	59037
8	56159	862	56137
8.5	51562	775	52153
9	46684	683	47183
9.5	40251	534	40601
10	34153	425	34394
10.5	29401	370	29587
11	25524	325	25665
11.5	22789	308	22413

