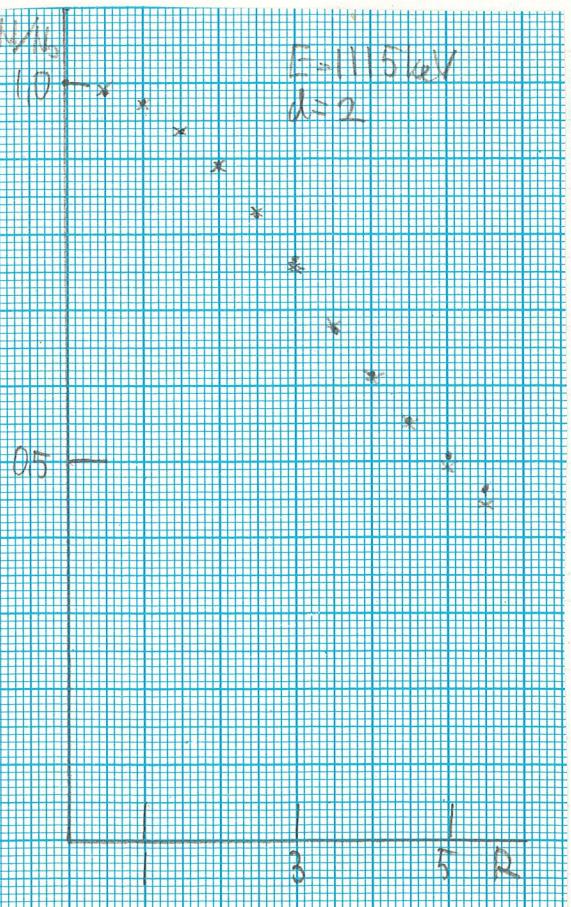


DOLDEN NOV (SNYER ZWICK RELENT NIKK)

$E=1115 \text{ keV}$ $d=2 \text{ cm}$

N	N_0	N_{tot}	d	V	N/N_0	$1 - \frac{N}{N_0}$	$\frac{N}{N_0} - 1 - 0.021721^{19022}$
0	33077	437	33330	0	33305	1	0
0.5	32729	440	32985	0.5	33044	0.9922	0.0078 0.9920
1	31824	402	32042	1.0	32482	0.9753	0.0247 0.9703
1.5	30893	382	31091	1.5	31163	0.9357	0.0643 0.9357
2	29347	333	29496	2	29722	0.8924	0.1076 0.8889
2.5	27112	356	27284	2.5	27447	0.8241	0.1759 0.8302
3	24940	353	25109	3	25453	0.7643	0.2357 0.7597
3.5	22245	297	22358	3.5	22579	0.6780	
4	20099	295	20210	4	20419	0.6131	
4.5	18303	277	18396	4.5	18494	0.5553	
5	16790	249	16855	5	16899	0.5074	
5.5	15284	247	15347	5.5	15507	0.4656	
0	33053	410	33279	10	33411	$E=1115 \text{ keV}$	
-0.5	32847	439	33102	10	33236	$d=2 \text{ cm}$	
-1	32681	424	32921	*	*		
-1.5	31026	393	31235	*	*		
-2	29776	356	29948	*	*		
-2.5	27458	336	27610	*	*		
-3	25651	330	25797	*	*		
-3.5	22677	307	22800	*	*		
-4	20544	267	20627				
-4.5	18526	249	18591				
-5	16876	250	16942				
-5.5	15621	230	15667				



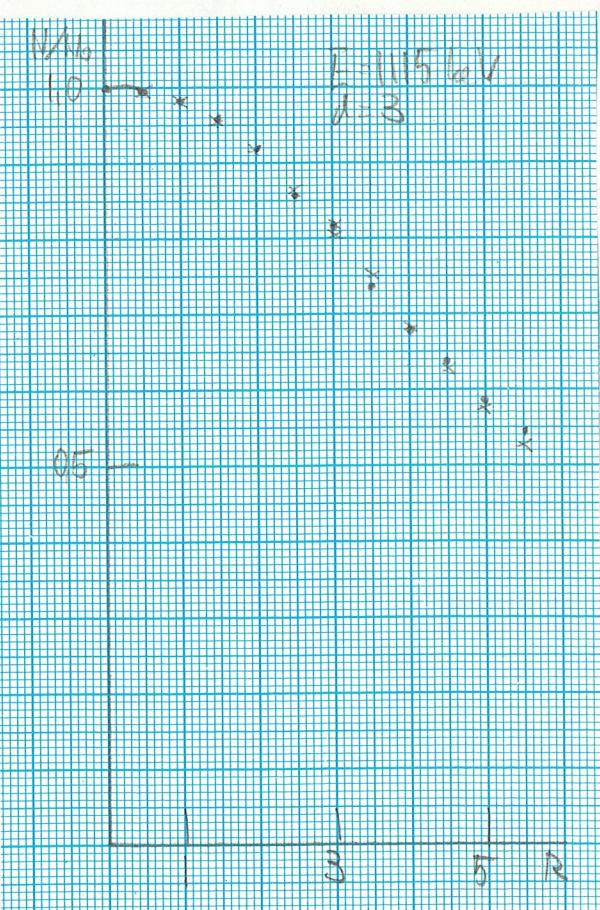
$$W_0 = 2.5 \quad W_2 = 0 \quad W_{20} = 2.5 \quad W_{22} = 0$$

$$\frac{d}{dr} \left(\frac{d}{dr} \right) = \frac{1}{r^2} \quad k = \frac{1}{r^2}$$

$$(k-1) \frac{d}{dr} \left(\frac{d}{dr} \right) = 0.7587 e^{-0.2118(r-r_0)} \quad r_0 = 0.0140$$

E21115 do3ch

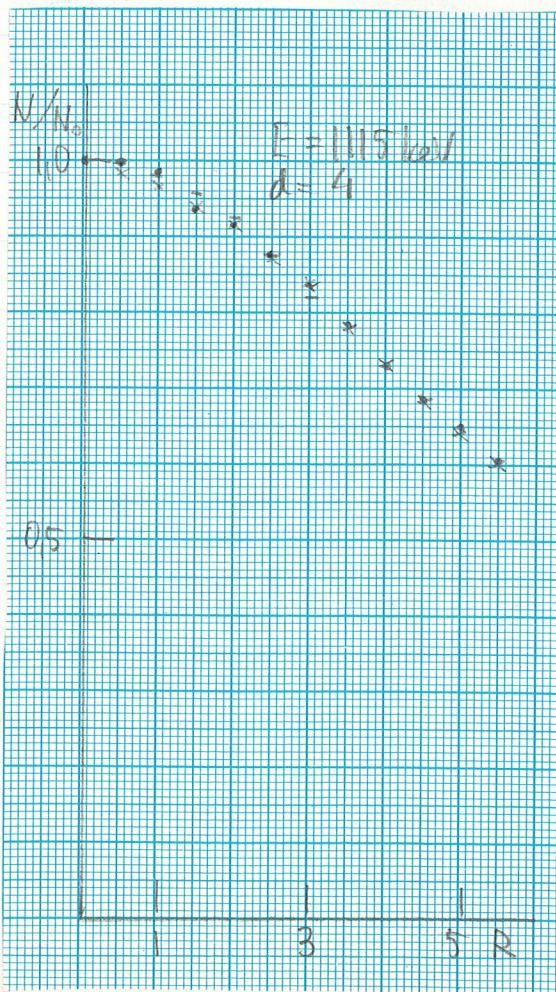
	N	N_{pt}	N_{tot}	d	u	N/N_0	$1 - \frac{N}{N_0}$	$\frac{N}{N_0} = 1 - 0.01742$
0	24068	320	24204	0	23821	1	0	
0,1	23864	255	23935	0,5	23751	0.9971	0.0029	0.9962
1	23618	311	23745	1	23519	0.9873	0.0127	0.9827
1,1	22955	285	23056	1,5	22847	0.9591	0.0409	0.9574
2	21916	217	22019	2	21934	0.9208	0.0792	0.9197
2,1	20522	259	20797	2,5	20392	0.8561	0.1439	0.8687
3	19432	256	19504	3	19440	0.8161	0.1839	0.8038
3,1	17559	250	17625	3,5	17505	0.7349		
4	16145	239	16200	4	16192	0.6798		
4,1	15099	246	15161	4,5	15275	0.6413		
5	13917	217	13950	5	14007	0.5880		
5,1	12974	232	13022	5,5	13002	0.5458		



22035

$E = 1115 \text{ keV}$ ascan

	N	Np	Nstat	d	N	N/N_0	$1 - \frac{N}{N_0} (\frac{R}{R_0})^d = 1 - 0.03294 R$	1437
0	17720	250	17786	0	17950	1	x	
0.5	17925	255	17996	0.5	17898	0.9971	0.0029	0.9878
1	17593	259	17668	1	17709	0.9865	0.0135	0.9671
1.5	16760	244	16821	1.5	16848	0.9386	0.0617	0.9410
2	16201	249	16266	2	16438	0.9158	0.0842	0.9108
2.5	15730	264	15810	2.5	15792	0.8797	0.1203	0.8771
3	15049	241	15106	3	15003	0.8358	0.1642	0.8403
3.5	14037	249	14102	3.5	14105	0.7858		
4	12914	205	12935	4	13071	0.7282		
4.5	12147	238	12201	4.5	12340	0.6874		
5	11494	210	11520	5	11712	0.6525		
5.5	11051	222	11089	5.5	10887	0.6065		
6	18029	269	18114					
-0.5	17687	297	17800					
-1	17696	237	17749					
-1.5	16819	239	16874					
-2	16579	215	16610					
-2.5	15731	226	15773					
-3	14852	231	14899					
-3.5	14047	244	14107					
-4	91155	235	88206	0.5				
-4.5	17454	208	17478					
-5	11874	214	11904					
-5.5	10665	203	10684					



$$1 - \frac{N}{N_0} \left(\frac{R}{R_0} \right)^d = 1 - 0.03294 R$$

$$1 - 0.01780 R^{2.104}$$

$$0.9959 \text{ for } w=0$$

$$0.9822 \text{ for } w=1$$

$$0.9582 \text{ for } w=2$$

$$0.9235 \text{ for } w=3$$

$$0.8777 \text{ for } w=4$$

$$0.8206 \text{ for } w=5$$

$$0.7727 \text{ for } w=6$$

$$0.7325 \text{ for } w=7$$

$$0.6856 \text{ for } w=8$$

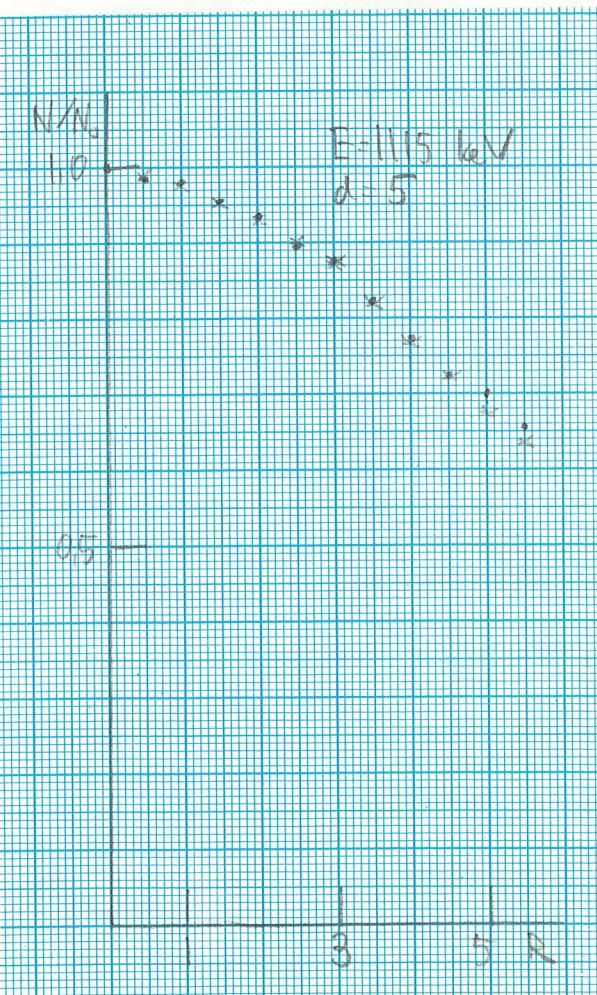
$$0.6416 \text{ for } w=9$$

$$0.6005 \text{ for } w=10$$

$$r - r_0 \left(\frac{R}{R_0} \right)^d = 0.8363 e^{-0.1325(R-R_0)}$$

$$R = 0.0096$$

	$E = 1115 \text{ keV}$	$d = 5 \text{ cm}$						
	M	N ₀	N _{tot}	d	M	N/N ₀	$1 - \frac{N}{N_0} (M)$	$1 - 0.02544 R$
0	13666	247	13729	0	13756	1	0	1.4718
0.5	13363	239	13418	0.5	13574	0.9868	0.0132	0.9908 W=0
1	13358	223	13397	1	13503	0.9816	0.0184	0.9746 W=0
1.5	13006	219	13071	1.5	13125	0.9541	0.0459	0.9538
2	12781	235	12832	2	12856	0.9345	0.0655	0.9294
2.5	12295	246	12357	2.5	12272	0.8922	0.1078	0.9020 W>2
3	17060	236	12112	3	12087	0.8787	0.1213	0.8719 W>2
3.5	11443	229	11488	3.5	11286	0.8205		
4	10500	219	10535	4	10627	0.7726		
4.5	10113	220	10149	4.5	9941	0.7227		
5	9349	239	9404	5	9609	0.6986		
5.5	8975	235	9026	5.5	9026	0.6562		
6	13702	264	13782					
6.5	13664	250	13730					
-1	13547	245	13608					
-1.5	13103	259	13178					
-2	12828	234	12878					
-2.5	12112	259	12187					
-3	12000	245	12061					
-3.5	11036	232	11084					
-4	10700	233	10719					
-4.5	9717	240	9773					
-5	9766	232	9814					
-5.5	9015	195	9026					
0.2		173						



$$R = \frac{\Delta}{k}$$

$$0 \quad 0.8777$$

$$0.5 \quad 0.7227$$

$$1 \quad 0.7712$$

$$1.5 \quad 0.7229$$

$$2 \quad 0.6777 \quad 0.75 \quad 0.0709 \quad 0.0279$$

$$2.5 \quad 0.6352 \quad 0.75 \quad 0.0210 \quad 0.0168$$

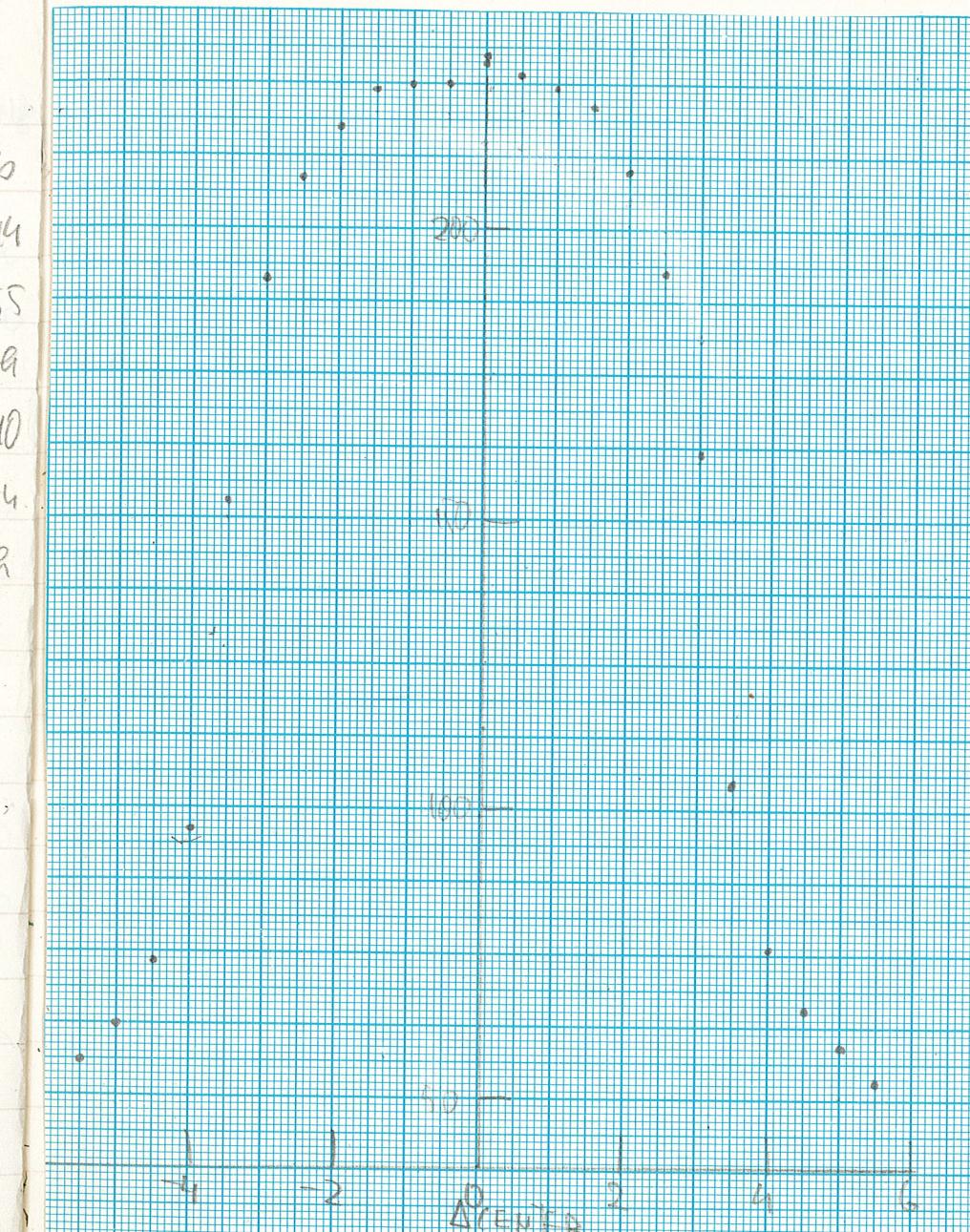
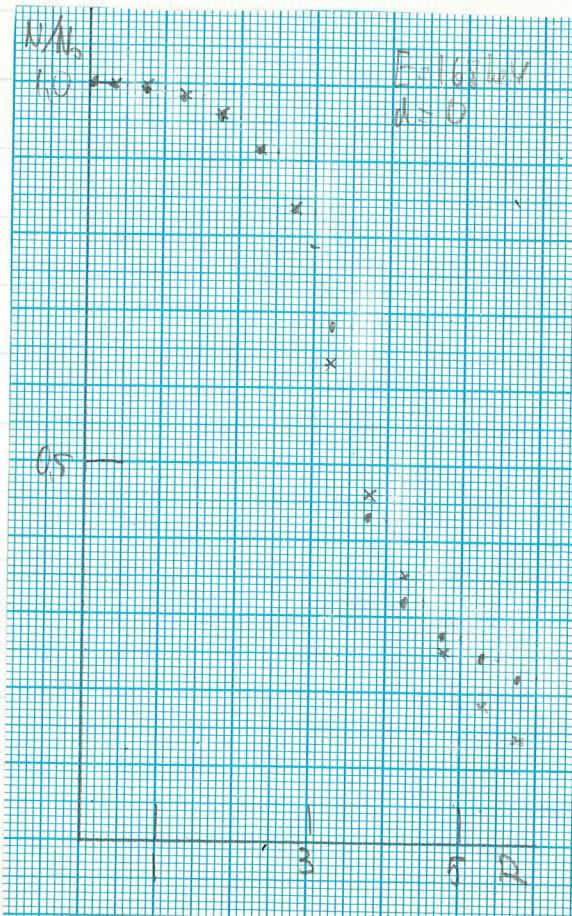
$$R = 0.0224$$

$$R = 0.0224$$

5.4.88

$E=168 \text{ keV}$ $d=0$ $d_{11}=53$ $d_{12}=88$ $d_{13} \rightarrow 150$

	N	N_p	$N_{Np} = N + 2(N_p - 0)$	d
0	229832	4764	236180	0.25
0.5	227633	4176	233809	0.75
1	229558	4115	230612	1.25
1.5	220614	3906	226250	1.75
2	210096	3799	215518	2.25
2.5	192167	3273	196537	2.75
3	162141	2710	165385	3.25
3.5	104365	1719	105627	3.75
4	75719	1486	76515	4.25
4.5	65332	1377	65910	4.75
5	58563	1353	59093	5.25
5.5	52974	1252	53302	5.75
6	229198	4115	235252	6.25
6.5	226306	4235	232608	6.75
7	226538	4392	233146	7.25
7.5	224552	4066	230508	7.75
8	218819	3909	224461	8.25
8.5	209310	3611	214356	8.75
9	191634	3248	195954	9.25
9.5	193317	7478	156097	9.75
10	96043	1638	97143	10.25
10.5	74314	1417	74972	10.75
11	67511	1359	63053	11.25
11.5	56919	1242	57777	11.75
12	10869	T=3005		12.25



$$r = N/N_p \quad (N_p)_r = 0.7371 e^{-0.6063(r-b)}$$

r	N/N_p	$(N_p)_r$
0.25	0.6840	0.6334
0.75	0.4317	0.4677
1.25	0.3223	0.3454
1.75	0.2449	0.2651
2.25	0.1884	0.22
2.75	0.1391	0.17

$$W=0 \quad r=0.25 \quad 0.75 \quad 1.25 \quad 1.75 \quad 2.25 \quad 2.75 \quad 0.0791 \quad 0.0788$$

$$W=0 \quad r=0.25 \quad 0.75 \quad 1.25 \quad 1.75 \quad 2.25 \quad 2.75 \quad 0.0702$$

$$r = 0.0745$$