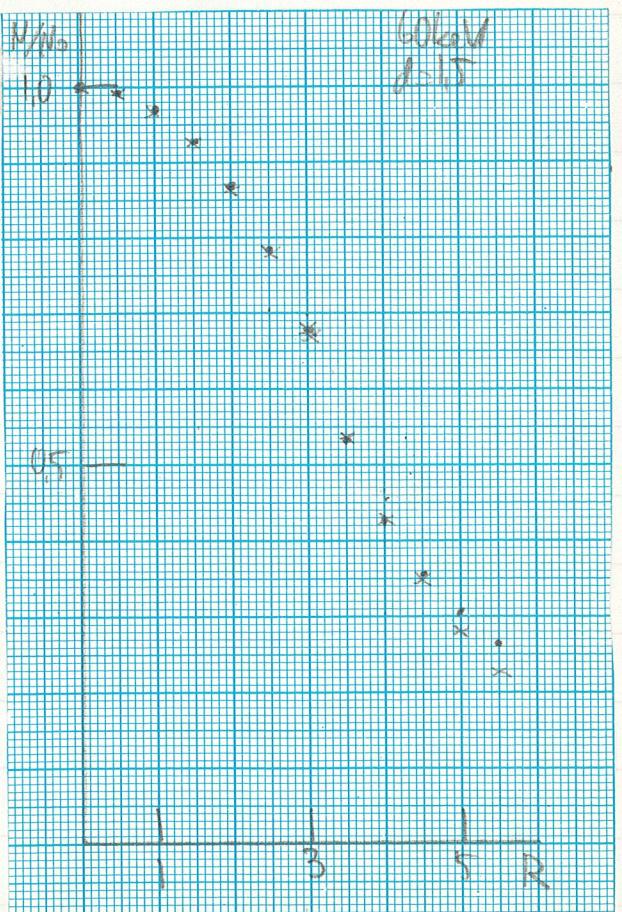


$E=60\text{GeV}$ $\delta=1.5$

	N	N_p	$W(N_p N_0 - N_0)$	N	N_0	W/N_0	$1 - W/N_0$
0	244187	6555	252469	0	214172	1	0
0,5	262314	6156	252798	0,5	212388	0.9932	0.0068
1	235035	6270	245747	1	246174	0.9687	0.0313
1,5	226096	5785	235838	1,5	235586	0.9271	0.0729
2	210379	5180	218911	2	220389	0.8673	0.1327
2,5	189434	4592	196790	2,5	198907	0.7827	0.2173
3	163181	3940	169233	3	171792	0.6760	0.3240
3,5	128356	3152	132832	3,5	136072	0.5355	
4	103246	2845	107108	4	108907	0.4270	
4,5	86169	2487	89315	4,5	89493	0.3522	
5	74177	2291	76931	5	76634	0.3016	
5,5	65955	2312	66923	5,5	67164	0.2643	
0	244967	6329	255775				
-0,5	243080	6777	251978				
-1	237825	6216	246601				
-1,5	227183	5903	235333				
-2	217250	5316	221866				
-2,5	195124	4778	201024				
-3	169834	4086	174350				
-3,5	136336	3316	139312				
-4	107995	2783	109905				
-4,5	88354	2486	89670				
-5	75476	2258	76336				
-5,5	66379	2341	67405				



$1 - 0.0305 r^{2/5}$

$(N/N_0)_r = 1 - 0.03011 r^{2/5}$

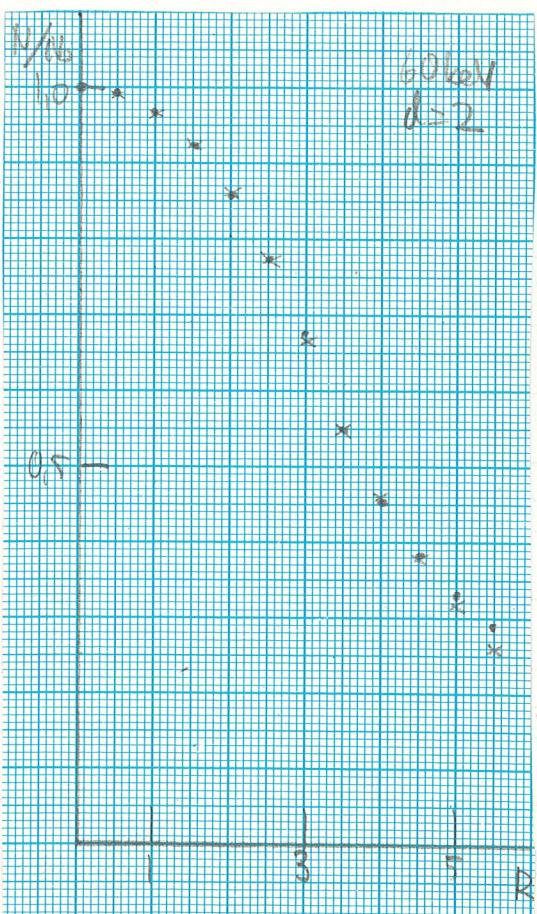
$r = 0.6701 \sqrt{\frac{N}{N_0}}$ $\Gamma = 0.0414$

Handwritten notes and data points follow:

- $0.9931 \quad w=0$
- $0.9695 \quad w=0$
- $0.9272 \quad w=0$
- $0.8650 \quad w=0$
- $0.7819 \quad w=2$
- $0.6724 \quad w=2$
- $0.5387 \quad w=2$
- $0.4331 \quad w=2$
- $0.3482 \quad 0, 0.0040$
- $0.2799 \quad 0, 0.0217$
- $0.2250 \quad 1, 0.0393$
- $0.1701 \quad 0.4365(r-r_0)$

$$E = 60 \text{ keV} \quad d = 2 \text{ m}$$

	N	U_b	$W + (N_b - 0_2) b_2$		N	N/N_b	$1 - N/N_b$
0	207910	5138	214530	6	214784	1	0
0.5	206973	5007	213331	0.5	213379	0.9932	0.0068
1	201278	4919	207458	1	207902	0.9680	0.0320
1.5	191630	4745	197464	1.5	197908	0.9214	0.0786
2	177728	4142	182356	2	183673	0.8551	0.1449
2.5	160923	3897	165061	2.5	165707	0.7715	0.2285
3	140034	3470	143318	3	145031	0.6752	0.3428
3.5	114035	2991	116361	3.5	117980	0.5493	
4	94993	2568	96473	4	97213	0.4526	
4.5	80322	2390	81446	4.5	81955	0.3817	
5	70494	2243	71324	5	71082	0.3309	
5.5	63369	2208	64129	5.5	63043	0.2935	
0	208396	5149	215038				
-0.5	206766	5108	213326				
-1	202059	4971	208345				
-1.5	192597	4705	198351				
-2	180083	4281	184989				
-2.5	162365	3822	166353				
-3	143481	3459	146743				
-3.5	117402	2926	119598				
-4	96373	2618	97953				
-4.5	81329	2395	82463				
-5	69849	2323	70839				
-5.5	61244	2184	61956				

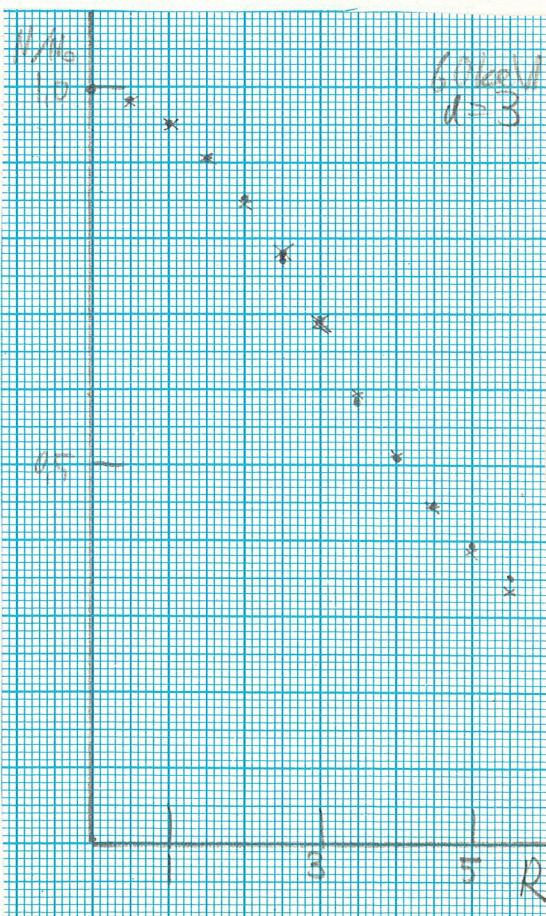


$$\eta = (1 - 0.03079 r^{2.1670}) \quad 0.03320 r^{2.1118}$$

0.03320 $\text{r}^{2.118}$

$E = 60 \text{ keV}$ $d = 3 \text{ cm}$

	N	N_p	$U + (U_0 - U)k_2$		N	N/N_0	$1 - N/N_0$
0	154645	3822	118633	0	158133	1	0
0.5	151735	3711	155501	0.5	15573	0.9838	0.0162
1	147083	3452	140381	1	140817	0.9537	0.0463
1.5	139608	3361	142674	1.5	143219	0.9057	0.0943
2	131325	3170	134009	2	134754	0.8522	0.1478
2.5	918217	2981	120523	2.5	121635	0.7692	0.220
3	107053	2873	109143	3	109611	0.6935	0.3065
3.5	90305	2535	391719	3.5	93035	0.5883	
4	79690	2329	80692	4	80616	0.5098	
4.5	69703	2301	70649	4.5	70846	0.4480	
5	61393	2164	62065	5	62259	0.3937	
5.5	55553	2185	16267	5.5	16034	0.3543	
0	153409	3705	157663				
-0.5	151876	3712	155644				
-1	148009	3485	151323				
-1.5	140577	3421	143763				
-2	132723	3216	135499				
-2.5	120337	3033	122247				
-3	108229	2803	110179				
-3.5	92909	2549	94351				
-4	79668	2264	80540				
-4.5	69962	2368	71042				
-5	61833	2138	62453				
-5.5	55176	2140	55800				



$$\frac{(N)}{(N_0)} = 1 - 0.048631^{1.6503} \quad 1 - 0.04621^{1.711}$$

$$W = 0 \quad W = 0$$

$$(1 - \frac{N}{N_0}) \frac{(N)}{(N_0)} = 0.6877 e^{0.7908(\frac{N}{N_0})} \quad k = 0.0205$$

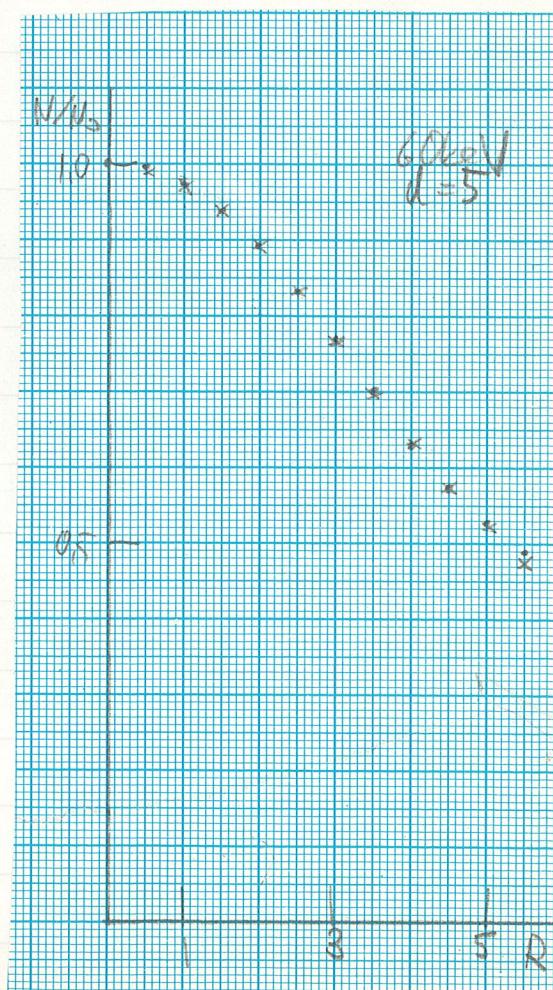
$E=60\text{ keV}$ $d=4\text{ cm}$

	N	N_p	$W-2(\mu_b-\mu_s)$	W	N/N_p	W/N_p	$\frac{\mu}{\mu_0} = 1 - 0.03938 r^{1.7330}$	$0.03693 r^{1.810}$
0	114326	2850	116370	0	115990	1	1	
0.5	111981	2883	114091	0.5	114332	0.9857	0.9882	$w=0$
1	109564	2897	111702	1	111707	0.9631	0.9606	$w=0.5$
1.5	105458	2722	107746	1.5	107188	0.9241	0.9205	$w=0.5$
2	99799	2699	101541	2	100843	0.8694	0.8691	$w=0.5$
2.5	91755	2574	93247	2.5	93102	0.8027	0.8073	$w=2$
3	84028	2458	85288	3	85122	0.7359	0.7357	$w=2.0$
3.5	73603	2212	74371	3.5	75269	0.6489	0.7357	$w=2.0$
4	65870	2232	66678	4	66330	0.5719	0.5870	$w=2.0$
4.5	59072	2115	59646	4.5	59327	0.5115	0.5870	$w=2.0$
5	53046	2159	53708	5	53439	0.4607	0.5870	$w=2.0$
5.5	48228	2169	49910	5.5	49009	0.4225	0.5870	$w=2.0$
0	113515	2875	115609					
-0.5	112731	2749	114573					
-1	109723	2822	111711					
-1.5	104890	2858	106950					
-2	98630	2585	100144					
-2.5	91698	2457	92956					
-3	83768	2422	84956					
-3.5	75023	2400	76067					
-4	65042	2298	65982					
-4.5	58337	2163	59007					
-5	52340	2034	53170					
-5.5	48371	2096	48907					



$E = 60 \text{ keV}$ $d = 5 \text{ cm}$

	N	N_b	$W - 2\gamma(N_b - N)$	N	W/N_b	$F/N/N_b$	τ
0	85249	2528	86649	0	86484	1	0
0.5	85375	2469	86607	0.5	86271	0.9975	0.0025
1	83882	2481	85188	1	84023	0.9715	0.0285
1.5	81087	2352	82135	1.5	81187	0.9388	0.0612
2	77729	2296	78667	2	77713	0.8928	0.1072
2.5	73430	2263	74300	2.5	71915	0.8315	0.1685
3	68356	2317	69331	3	66766	0.7697	0.2303
3.5	62376	2191	63102	3.5	60163	0.6957	
4	56402	2117	56980	4	54664	0.6321	
4.5	51323	2134	51935	4.5	49840	0.5763	
5	47356	2037	47774	5	45882	0.5305	
5.5	43152	2042	43580	5.5	42248	0.4885	
0	85298	2338	86318				
-0.5	84873	2509	85935				
-1	81791	2362	82859				
-1.5	79133	2381	80239				
-2	74778	2319	75760				
-2.5	68813	2186	69529				
-3	63159	2147	63797				
-3.5	56623	2128	57223				
-4	51767	2118	52347				
-4.5	47399	2001	47745				
-5	43657	1994	43989				
-5.5	40544	2014	40916				
0.7AD2E	-73	18283	$T > 3005$				



$$(f_b) = 1 - 0.02847 + 1.9168 \cdot 1.02839 + 1.920$$

$$0.9925 \quad w=0$$

$$0.9715$$

$$0.9381$$

$$0.8925$$

$$0.8351 \quad w=2$$

$$0.7661 \quad w=2$$

$$w=0$$

$$w=0$$

$$w=2$$

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