

E m d $\frac{d}{m}$

60 10^6 $3,67 \cdot 10^6$ 3,67

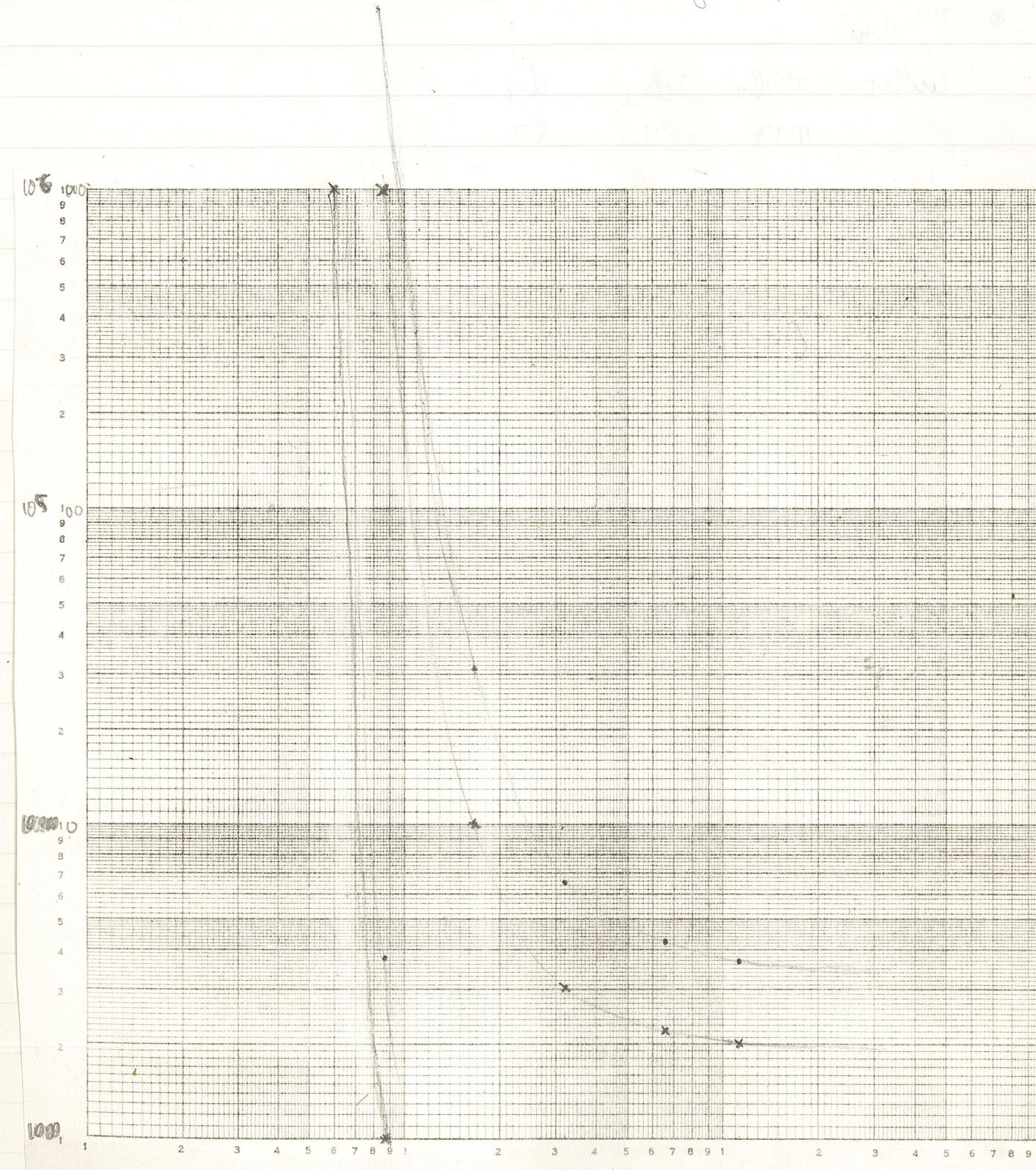
88 10^3 $3,77 \cdot 10^3$ 3,77

168 10 30,9 3,1

320 3,0 6,60 2,2

661 2,2 4,21 1,9

1105 2,0 3,71 1,86



23.3.88.

① 201 Am

Gunter d_1 d_2 d_3
17 31 53

F 64+ N Npia
0 0 362969 11227
3 0 305746 9447 3
3 90 304567 8952 4
3 180 390383 9292 1
3 270 308605 9426 2

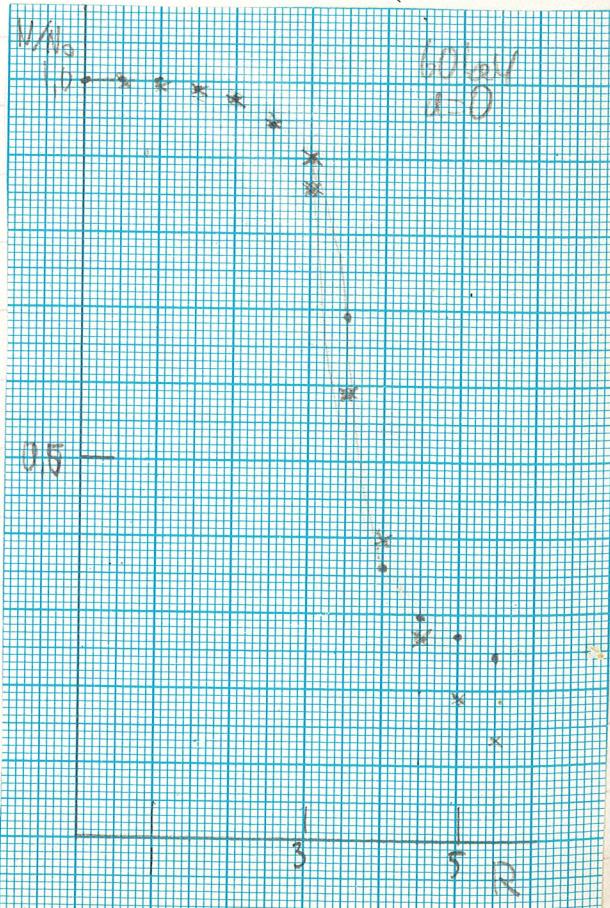
65± $d_1 = 317$ $d_2 = 433$ $\alpha = \text{merionbast, type}$

to the Izvor u Mosici

F ϕ N
3+8 0 56337 3
3+8 90 58568 1
3+8 90 55964 4
3+8 780 58030 2

$E = 60 \text{ keV}$ $d = 0$ $T = 30 \text{ s}$ $d_1 = 17$ $d_{12} = 31$ $d_{23} = 53$

| r | v | N_p | $N = N_{\text{He}} N_{\text{D}} - N_{\text{O}_2}$ | 07 = 1828 |
|------|--------|-------|---|-----------|
| 0 | 338850 | 11122 | 9 359266 | |
| 0,5 | 339832 | 11040 | 0,5 360084 | |
| 1 | 339199 | 10965 | 1 361049 | |
| 1,5 | 337171 | 10760 | 1,5 356863 | |
| 2 | 333052 | 10615 | 2 352454 | |
| 2,5 | 328617 | 10434 | 2,5 344657 | |
| 3 | 304888 | 9319 | 3 321698 | |
| 3,5 | 235230 | 6245 | 3,5 245892 | |
| 4 | 128440 | 3266 | 4 132144 | |
| 4,5 | 104358 | 2961 | 4,5 108452 | |
| 5 | 94162 | 2764 | 5 97862 | |
| 5,5 | 86709 | 2467 | 5,5 89315 | |
| 6 | 339592 | 10960 | 6 359484 | |
| 6,5 | 339197 | 11119 | 6,5 359607 | |
| 7 | 337884 | 11239 | 7 358634 | |
| 7,5 | 334897 | 10861 | 7,5 354791 | |
| 8 | 331438 | 10671 | 8 350952 | |
| 8,5 | 326013 | 10051 | 8,5 334236 | |
| 9 | 309758 | 9004 | 9 325938 | |
| 9,5 | 240320 | 6147 | 9,5 250786 | |
| 10 | 123480 | 3124 | 10 127900 | |
| 10,5 | 101367 | 2794 | 10,5 105127 | |
| 11 | 93410 | 2635 | 11 97170 | |
| 11,5 | 84811 | 2444 | 11,5 97871 | |



$$\gamma = 1 - ar^n$$

$$n(1-\gamma) = ha + m ar$$

$$R = 3 \text{ cm}$$

$$(H/N)_r = t \cdot 0.00132 \cdot 34163$$

$$0.0 - w/0 \quad 0.998 \quad w=0$$

$$0.0 - w/0 \quad 0.9977 \quad w=0$$

$$0.0 - w/0 \quad 0.9907 \quad w=0$$

$$0.0 - w/0 \quad 0.9752 \quad w=0$$

$$0.0555 \quad w/2 \quad 0.9469 \quad w/2$$

$$0.0989 \quad w/2 \quad 0.9010 \quad w/2$$

$$w=0 \quad 0.9 \quad 0.8683$$

$$1 \quad 0.904$$

$$1,5 \quad 0.8760 \quad 0.0212 \quad 0 \quad 0$$

$$w=0 \quad 2 \quad 0.1883 \quad 0.0831 \quad 0,5 \quad 0.1661$$

$$w=0 \quad 2,5 \quad 0.1285 \quad 0.1180 \quad 1,0 \quad 0.1186$$

$$0.8683e^{-0.5642(R-r)}$$

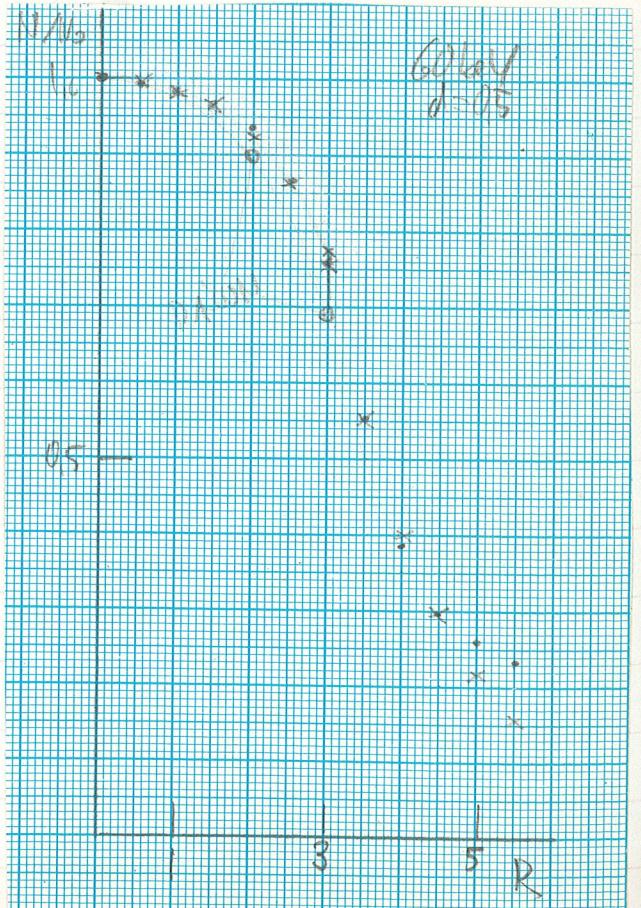
$$\Delta \left(\frac{N}{N_0} \right) r$$

$$R - R_i \quad k = \frac{\Delta}{R - R_i}$$

$$k = 0.1424$$

E=60 d=0.5

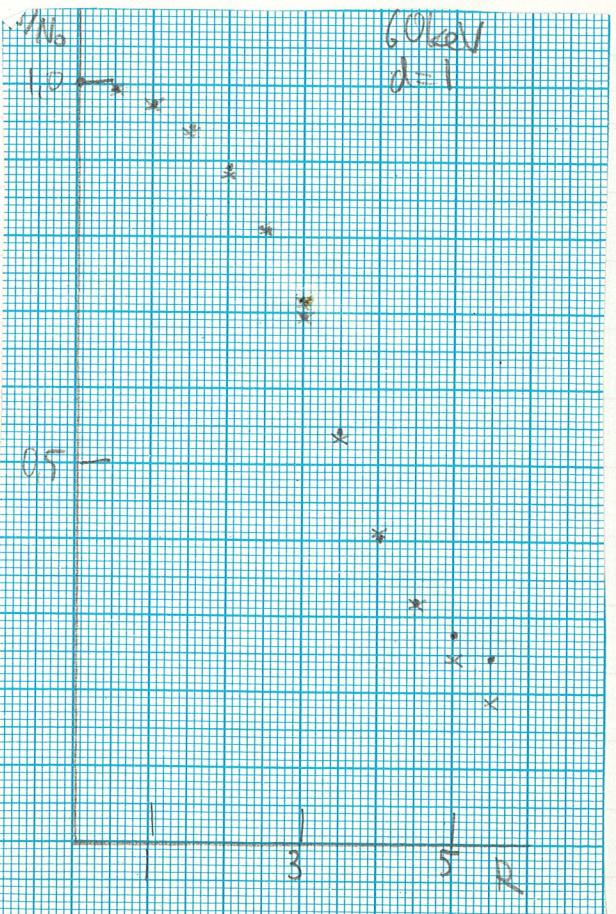
| | N | Np | $N = N_0 e^{-Np/2}$ | N | NN ₀ | $1 - \frac{N}{N_0}$ | $\ln(N/N_0) = (-0.01194 r^{2.6675})$ | $(\frac{N}{N_0})_r = 1 - 0.01097 r^{7.2593}$ |
|-----|--------|------|---------------------|-----|-----------------|---------------------|--------------------------------------|---|
| 0 | 316305 | 9783 | 334043 | 0 | 333544 | 1 | 0 | 0 |
| 15 | 315135 | 9508 | 332323 | 0.5 | 331469 | 0.9939 | 0.0061 | 0.9981 w=0 |
| 1 | 311550 | 9271 | 328264 | 1 | 329404 | 0.9876 | 0.0124 | 0.9881 w=0 |
| 18 | 304424 | 9118 | 320832 | 1.5 | 321353 | 0.9635 | 0.0365 | 0.9648 |
| 2 | 294884 | 8567 | 310190 | 2 | 311181 | 0.9330 | 0.0670 | 0.9242 |
| 25 | 279003 | 7750 | 288657 | 2.5 | 289627 | 0.8683 | 0.1314 | 0.8625 w=2 |
| 3 | 236204 | 6140 | 246656 | 3 | 253506 | 0.7600 | 0.2400 | 0.7763 w=2 |
| 35 | 164699 | 4144 | 171159 | 3.5 | 184315 | 0.5526 | | 0.7726 w=2 |
| 4 | 117167 | 3031 | 121401 | 4 | 128237 | 0.3845 | | 0.3995 |
| 25 | 93895 | 2592 | 97251 | 4.5 | 99268 | 0.2976 | | 0.2908 |
| 5 | 81922 | 2478 | 85050 | 5 | 86636 | 0.2197 | | 0.2117 |
| 25 | 74096 | 2387 | 77042 | 5.5 | 77801 | 0.1333 | | 0.1541 |
| 0 | 315522 | 9675 | 333044 | | | | | $(\frac{N}{N_0})_r = 0.7539 e^{-0.6351(r-1)}$ |
| 0.5 | 313423 | 9510 | 330615 | | | | | $E = 0.0858$ |
| -1 | 313218 | 9573 | 330534 | | | | | |
| 15 | 305439 | 9131 | 321873 | | | | | |
| -2 | 296754 | 8623 | 312172 | | | | | |
| 25 | 227319 | 7553 | 290597 | | | | | |
| 3 | 249095 | 6544 | 260355 | | | | | |
| 35 | 190249 | 4525 | 197471 | | | | | |
| -h | 130609 | 3146 | 135073 | | | | | |
| h | 97894 | 2609 | 101284 | | | | | |
| 5 | 81029 | 2510 | 88221 | | | | | |
| 25 | 75707 | 2340 | 78559 | | | | | |



$$\Delta P / P = \frac{3-0.7/2}{3-0.9} = \frac{0.35}{0.9} = 4\%$$

$E=60\text{keV}$ $d=1$

| | N | N _p | N _{T2&UP-02} | N | N _{N_b} | 1- $\frac{N}{N_0}$ |
|------|--------|----------------|---------------------------|-----|----------------------------|--------------------|
| 0 | 281927 | 7202 | 295503 | 0 | 295255 | 1 |
| 0.5 | 279458 | 7880 | 293390 | 0.5 | 293015 | 0.9924 |
| 1 | 273502 | 2595 | 286864 | 1 | 286931 | 0.9718 |
| 1.5 | 266351 | 7180 | 278883 | 1.5 | 278865 | 0.9445 |
| 2 | 252152 | 6613 | 263550 | 2 | 262706 | 0.8898 |
| 2.5 | 229657 | 5952 | 239733 | 2.5 | 238515 | 0.8078 |
| 3 | 199909 | 4878 | 207837 | 3 | 206022 | 0.6978 |
| 3.5 | 153183 | 3678 | 158711 | 3.5 | 159785 | 0.5412 |
| 4 | 112474 | 2885 | 116416 | 4 | 118630 | 0.4018 |
| 4.5 | 89645 | 7604 | 93025 | 4.5 | 94558 | 0.3203 |
| 5 | 78324 | 2410 | 81316 | 5 | 81898 | 0.2774 |
| 5.5 | 69976 | 2308 | 72764 | 5.5 | 72898 | 0.2469 |
| 0 | 280240 | 8047 | 295806 | | | |
| -0.5 | 278647 | 7910 | 292639 | | | |
| -1 | 273660 | 7583 | 286998 | | | |
| -1.5 | 266216 | 7229 | 278846 | | | |
| -2 | 250609 | 6540 | 2611861 | | | |
| -2.5 | 227463 | 5831 | 237297 | | | |
| -3 | 196706 | 4764 | 204206 | | | |
| -3.5 | 155283 | 3702 | 160859 | | | |
| -4 | 116753 | 2959 | 120843 | | | |
| -4.5 | 92669 | 2625 | 96091 | | | |
| -5 | 79501 | 2403 | 92479 | | | |
| -5.5 | 70415 | 2222 | 73031 | | | |



V2031
 MALKIN
 RADUN
 SAVAN
 SUINEC
 ND DICK

$$(N_0) = 1 - 0.02550 r^{7.2083}$$

$$(N_0) = 1 - 0.02039 r^{7.450}$$

$$\begin{aligned}
 & 0.9964 \quad w=0 \quad 0.9963 \quad w=0 \\
 & 0.9745 \quad 0.9796 \quad w=0 \\
 & 0.9346 \quad 0.9449 \quad w=1 \\
 & 0.8821 \quad 0.8885 \quad w=1 \\
 & 0.8071 \quad w=2 \quad 0.8074 \quad w=2 \\
 & 0.7114 \quad w=2 \quad 0.6989 \quad w=2 \\
 & 0.5 \quad 0.5356 \\
 & 1 \quad 0.04116 \\
 & 1.5 \quad 0.3163 \quad 0 \quad 0.0040 \\
 & 2 \quad 0.2431 \quad 0.5 \quad 0.0343 \quad 0.0686 \\
 & 2.5 \quad 0.1867 \quad 1 \quad 0.0602 \quad 0.0602 \\
 & R_{10} \quad (N_0) = 0.670 e^{-0.5268(R_{10})} \quad E=0.0644
 \end{aligned}$$