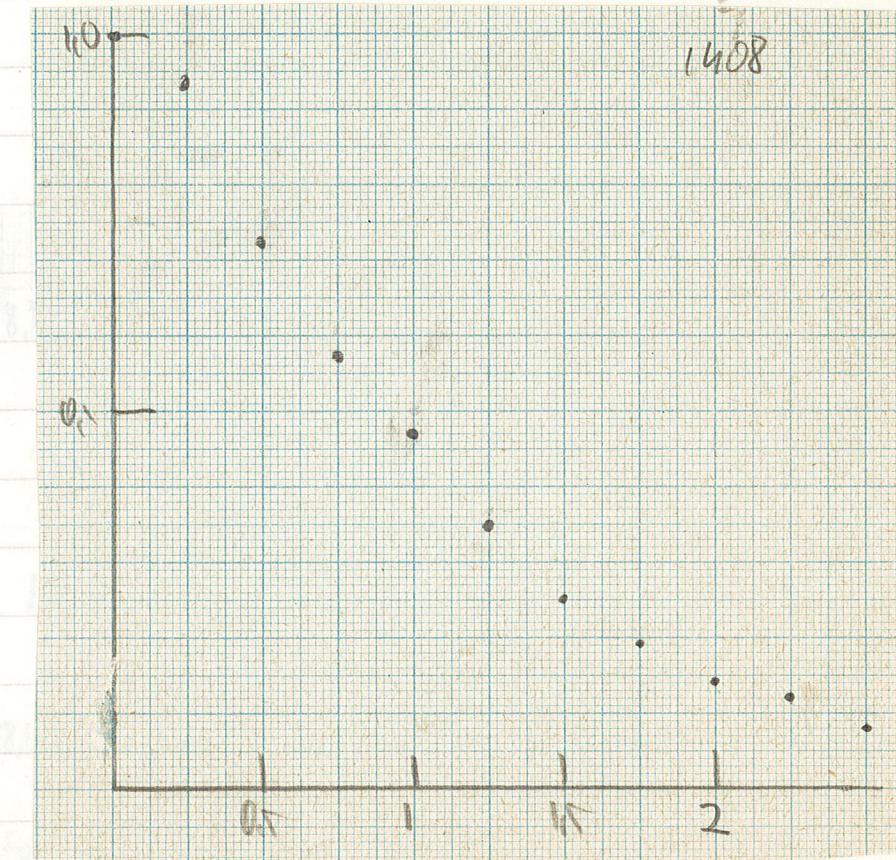
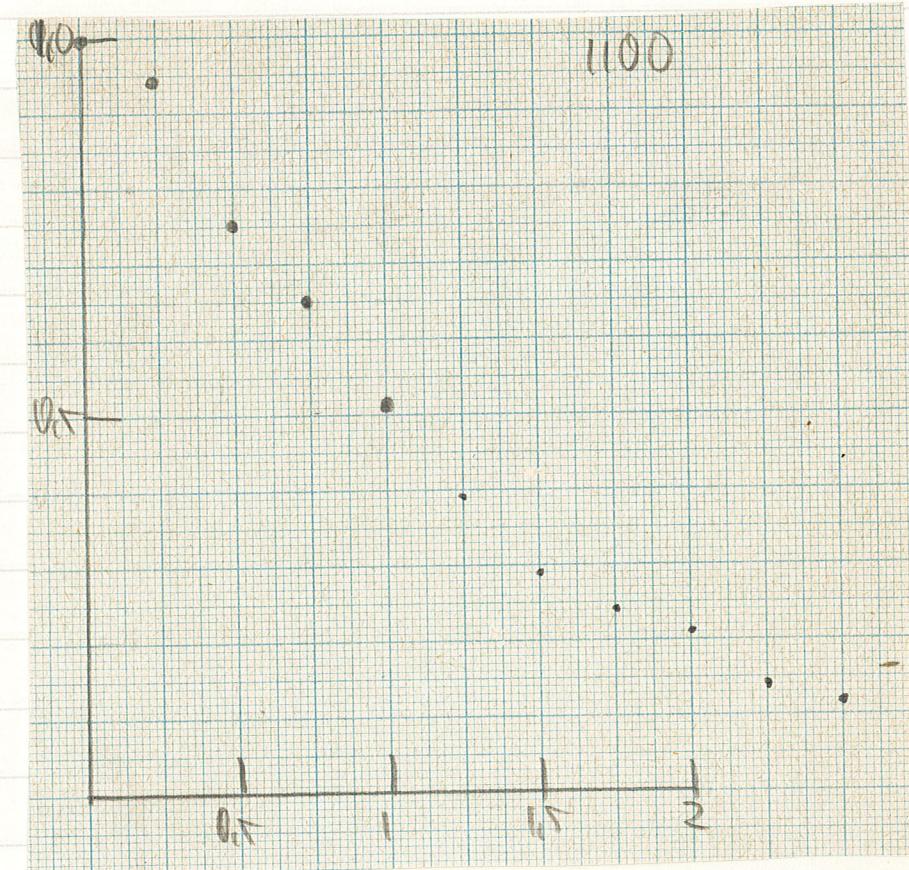
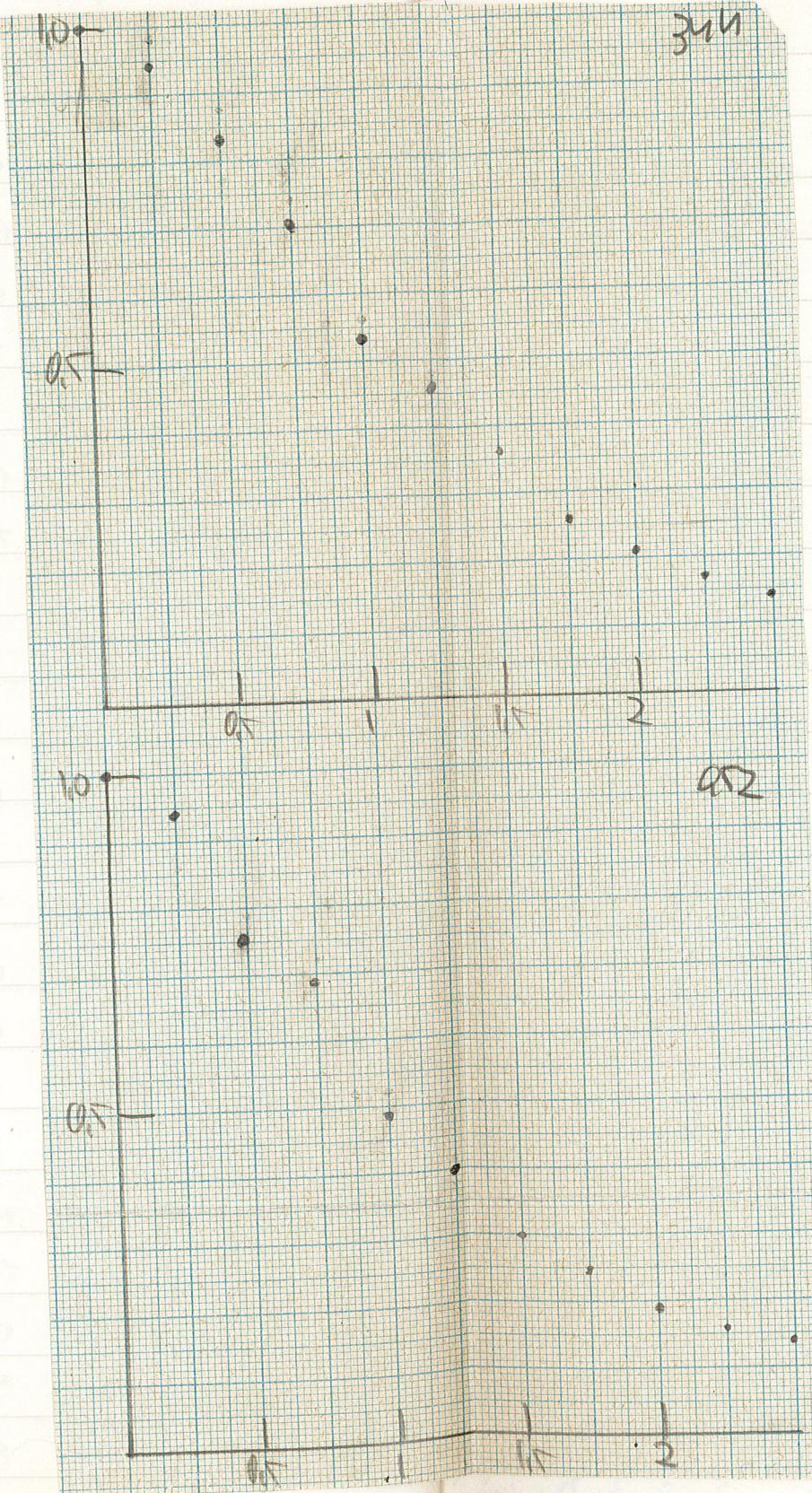
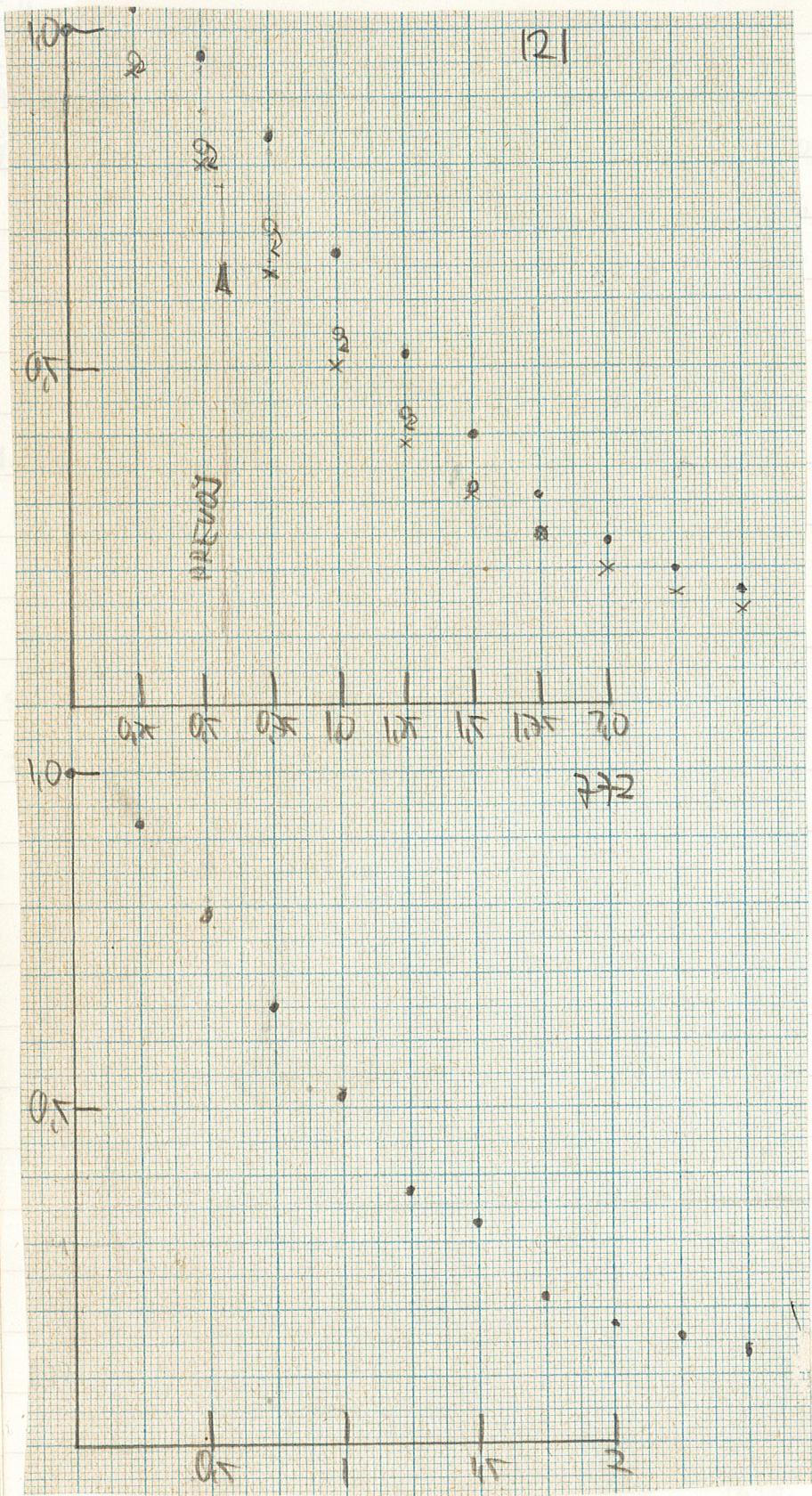
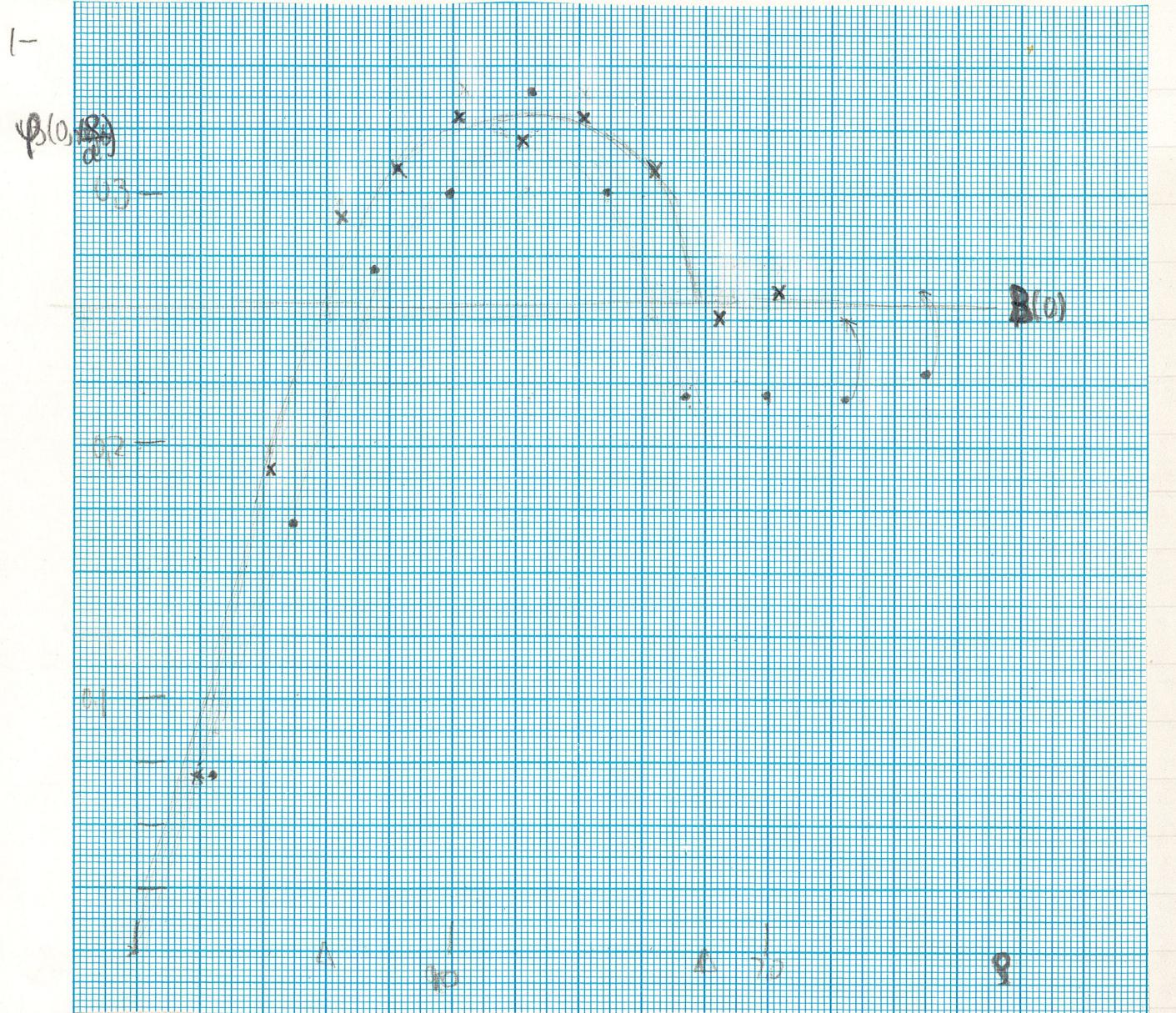


\vec{m} , $d = 1 \text{ m}$





$$B(0) = 1.24 \quad \varphi(0) = -1 \quad \varphi(0.6) = 0 \quad \varphi(1.8) = 0,$$

$$A(40) = 0.24$$

$$A(12) = 0.24$$

$$\varphi = -\frac{1}{0.6^2 \cdot 1.8^2} \left(\frac{\varrho^2}{0^2} - \frac{0^2}{0^2} \right) \left(\frac{\varrho^2}{0^2} - \frac{1.8^2}{0^2} \right) =$$

$$A(3m) = 0.12$$

$$A(2+3) = 0$$

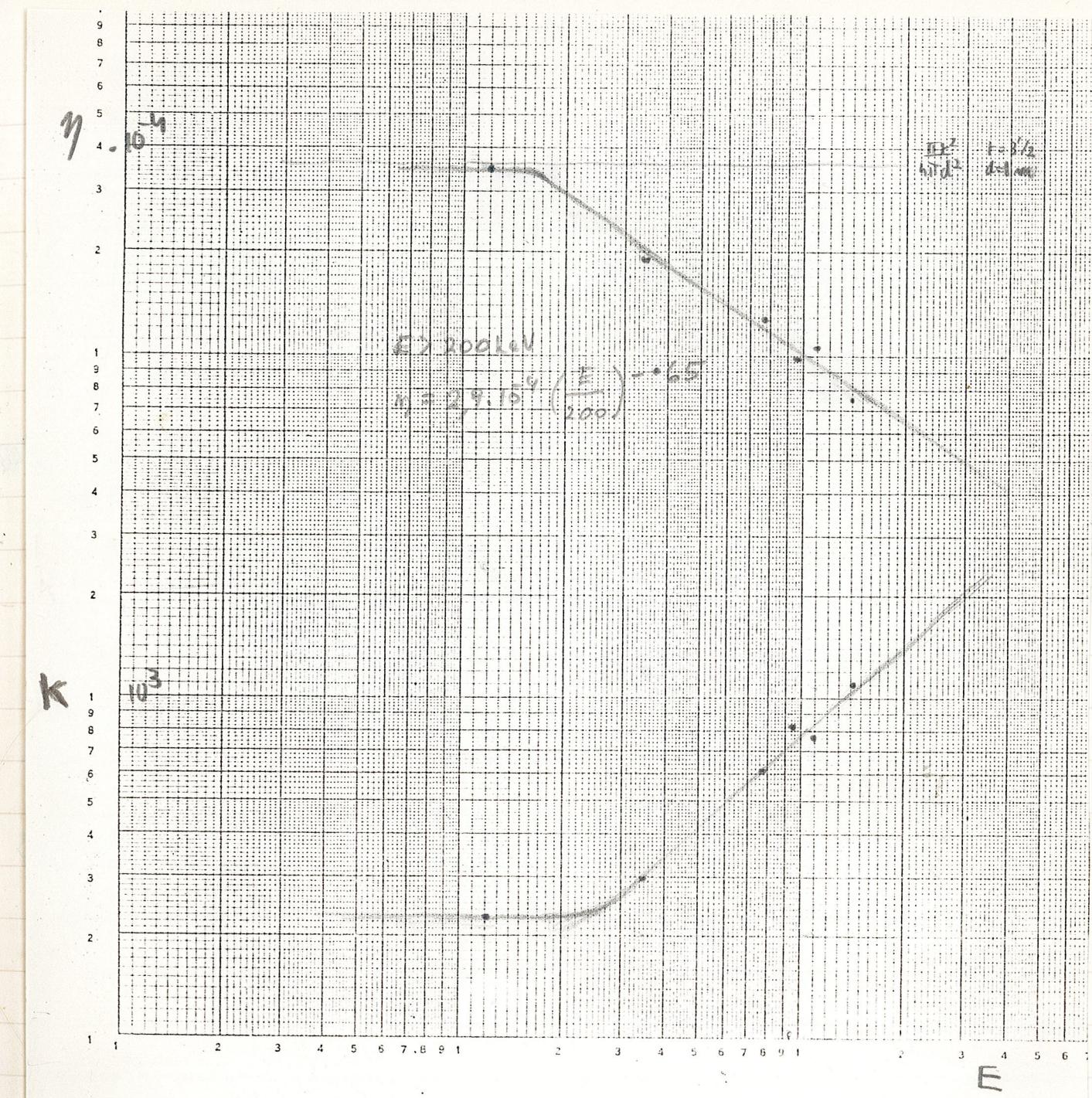
$$A(1110) = 0$$

$$A(1608) = 0$$

$$\Phi(dR) = \frac{-1}{4 \cdot 0.6^2 \cdot 1.8^2} \cdot 1.8^4 + \frac{1}{2} \left(\frac{0.6^2 + 1.8^2}{0.6^2 \cdot 1.8^2} + 1 \right) \cdot 1.8^2 + \frac{-1 - 0.6^2 - 0.8^2 - 0.6^2 \cdot 1.8^2}{0.6^2 \cdot 1.8^2} \ln(1.8^2)$$

$$= \frac{1}{0.6^2 \cdot 1.8^2} \left(-\frac{1}{4} \cdot 1.8^4 + \frac{0.6^2 \cdot 1.8^2}{2} + \frac{1.8^4}{2} + \frac{0.6^2 \cdot 1.8^2 \cdot 1.8^2}{2} - (1 + 0.6^2 + 0.8^2 + 0.6^2 \cdot 1.8^2) \ln(1.8^2) \right)$$

$$\Rightarrow \frac{1}{0.6^2 \cdot 1.8^2} \left(\frac{0.6^2 \cdot 1.8^2}{2} + \frac{1.8^4}{4} + \frac{0.6^2 \cdot 1.8^4}{2} - 5.77 \ln(1.8^2) \right) = \frac{1}{0.6^2 \cdot 1.8^2} \left(\frac{0.6^2 \cdot 1.8^2}{2} + \frac{1.8^4}{2} - \frac{(0.6^2 + 1.8^2)}{2} - \frac{5.77 \cdot 1.8^2}{2} \right) = \frac{1}{117} \left(\frac{1.8^2}{2} + \frac{9.03}{2} - \frac{8.31}{2} \right) = 0.81$$



$$\varphi\left(\frac{s^2}{a^2}\right) = -\frac{1}{0,6^2+1,8^2} \left(\frac{s^2}{a^2} - 0,6^2\right) \left(\frac{s^2}{a^2} - 1,8^2\right) = -\frac{1}{0,6^2+1,8^2} \left(\frac{s^2}{a^2}\right)^2 + \frac{0,6^2+1,8^2}{0,6^2+1,8^2} \left(\frac{s^2}{a^2}\right)^2 - 1$$

$$\Psi(u) = \Psi(u^2 - 1) = A' \frac{u^2}{a^2} + B' \frac{u^2}{a^2} + C'$$

$$A' = A = \frac{1}{0,6^2+1,8^2} = \underline{\underline{-0,86}} \quad B' = -2A + B = \frac{-2}{0,6^2+1,8^2} + \frac{0,6^2+1,8^2}{0,6^2+1,8^2} = \frac{-2+0,6^2+1,8^2}{0,6^2+1,8^2} = \underline{\underline{1,37}}$$

$$C' = A - B + C = \frac{1}{0,6^2+1,8^2} - \frac{0,6^2+1,8^2}{0,6^2+1,8^2} - 1 = -\frac{1+0,6^2+1,8^2-0,6^2-1,8^2}{0,6^2+1,8^2}$$

$$\underline{\underline{-1,94}}$$

KOLICINA, když nastopáv poúčitniski kontaminace:

$$\sum_1^K \frac{P_m}{2^m} \left[\left(\frac{R^2}{a^2} + 1 \right)^m - 1 \right] = \frac{1,37}{2} \cdot \left[(1,8^2) \right] + \frac{-0,86}{2 \cdot 2} \left[(1,8^2 + 1)^2 - 1 \right] = 2,22 + (-3,65) = -1,43$$

$$k=2 \quad P_1=B' \quad P_2=A' \quad \frac{R}{a}=1,8$$

