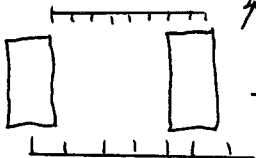


b) $n = 100$
 $d = 125 \text{ mm}$

Skizze:



① Abstand $z_0 = 10 \text{ cm}$ $I = 3 \text{ A}$

Messung	Abstand [cm]	B-Feld [mT]
<u>innerhalb:</u> 1	1	3,03
2	1,5	2,98
3	2	2,93
4	2,5	2,90
5	3	2,88
6	3,5	2,89
7	4	2,92
8	4,5	2,97
9	5	3,03
10	5,5	3,07
<u>außerhalb:</u>		
11	11	2,39
12	13	2,00
13	14	1,34
14	18	0,58
15	25	0,19

② Abstand $z_0 = 14 \text{ cm}$ $I = 3 \text{ A}$

Messung	Abstand [cm]	B-Feld [mT]
<u>innerhalb:</u> 1	2,4 1,0	2,44 2,450 2,450
2	1,8	2,261
3	2,6	2,081
4	3,4	1,940
5	4,2	1,850
6	5	1,807
7	5,8	1,825
8	6,6	
9	7,4	
10	8,2	
<u>außerhalb:</u> 11	15	
12	15,5	
13	16,5	
14	18,5	
15	22,5	

~~2,527~~
~~3,325~~
~~2,139~~
~~1,935~~
~~1,900~~
~~1,862~~
~~1,883~~
~~1,954~~
~~2,060~~
~~2,272~~
~~2,2~~
~~2,097~~
~~1,744~~
~~1,158~~
~~0,507~~

Fehlerhafte Messung
 (Hall-Sonde nicht richtig)

Kdo