

Abstand $\ell = 17 \text{ cm}$, $I = 3 \text{ A}$

| Messung | Abstand [cm] | B-Feld [mT] |
|---------|--------------|------------------------|
| innen: | | |
| 1 | 2 | 2,044 2,060 |
| 2 | 3 | 1,789 |
| 3 | 4 | 1,572 |
| 4 | 5 | 1,423 |
| 5 | 6 | 1,347 |
| 6 | 7 | 1,338 |
| 7 | 8 | 1,404 |
| 8 | 9 | 1,538 |
| 9 | 10 | 1,742 |
| 10 | 11 | 2,003 |
| außen: | | |
| 11 | 18 | 2,250 |
| 12 | 19 | 2,897 |
| 13 | 19,5 | 1,726 |
| 14 | 21 | 1,266 |
| 15 | 23 | 0,828 |

300 Windungen,
 $x_0 = 1,6 \text{ cm}$

$V = 2,6 \text{ V}$, $I = 0,8 \text{ A}$

Länge der Spule $15,8 \text{ cm}$

| Messung | B-Feld [mT] | Abstand [cm] | | B-Feld [mT] | Abstand [cm] |
|---------|------------------------|--------------|--------------|--------------|--------------|
| | 0,780 | | | | |
| 1 | 1,002 | 0 | innen: links | 0,750 | 16,3 |
| 2 | 1,213 | 40,5 | | | |
| 3 | 1,393 | 1 | | 0,536 | 16,8 |
| 4 | 1,512 | 1,5 | | | |
| 5 | 1,614 | 2 | | 0,377 | 17,3 |
| 6 | 1,676 | 2,5 | | | |
| 7 | 1,720 | 3 | | 0,265 | 17,9 |
| 8 | 1,751 | 3,5 | | | |
| 9 | 1,774 | 4 | | 0,206 | 18,3 |
| 10 | 0,267 0,596 | -0,5 | außen: links | | |
| 11 | 0,378 0,433 | -1 | | | |
| 12 | 0,422 0,310 | -1,5 | | | |
| 13 | 0,315 0,244 | -2 | | | |
| 14 | 0,237 0,190 | -2,5 | | | |
| 15 | 1,005 | 15,8 | innen rechts | | |
| 16 | 1,192 | 15,3 | | | |
| 17 | 1,376 | 14,8 | | | |
| 18 | 1,485 | 14,3 | | | |
| 19 | 1,562 | 13,8 | | | |
| 20 | 1,629 | 13,3 | | | |
| 21 | 1,667 | 12,8 | | | |
| 22 | 1,696 | 12,3 | | | |
| 21 | 1,718 | 11,8 | | | |
| 22 | 1,732 | 11,3 | | | |
| | | | | außen rechts | |