Magnetic field strength as function of the current 0.65 Linear fit:  $B(I) = (0.040 + /-0.002) \cdot / + (0.098 + /-0.015) \text{ mT}$ Linear fit:  $B(I) = (0.042 + -0.001) \cdot I + (0.088 + 0.012) \text{ mT}$ Increasing current Not included for the fit Decreasing current 0.60 Not included for the fit 0.55 0.50 0.45 0.40 10 11 12 13