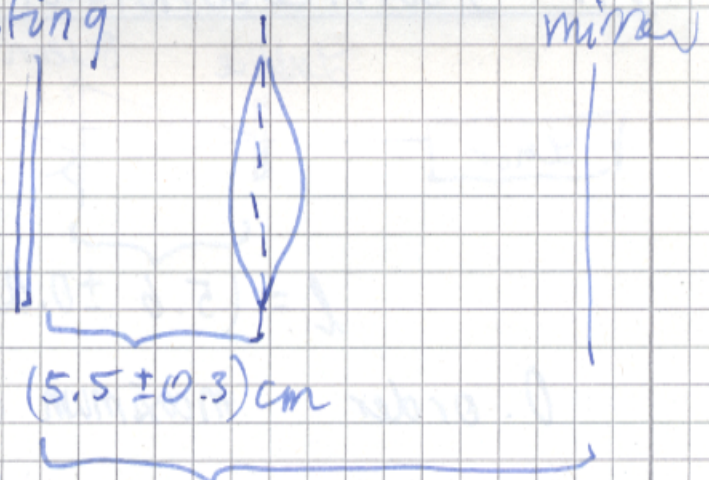
Furthermore we adjusted the lengths in such a way that the beam is collimated



2. Measuring Amplitude Gratings

2.1 Calibration

2.1 ⇒ file 2.1_gauge-lattice

used grating: 10 Lines / mm

Observations: ○ More peaks observed with grating $\frac{10\ \text{lines}}{\text{mm}}$ ~~steps~~ with respect to the one with $\frac{8\ \text{lines}}{\text{mm}}$

○ Distribution of heights of peaks is not symmetric!

⇒ We tried to obtain as much symmetry as possible by adjusting the angle of detector D1, which changed the observed distribution of heights dramatically.

Comments on triggering detector D2:
quite sharp signal, stable signal of D1

○ Orientation of grating does change quite a lot in the distribution.
⇒ file: 2.1b_gauge-lattice (Label towards laser)