XRD 21/02/2025

Roy will help us with the test but we will prepare the samples.

We use the two salts: NaCl, NaBr

The placeholders and glass were cleaned with aceton (carefully)

Volume = ~~[illegible]~~ $314.16\,mm^2 = 3.1416\,cm^2$

$2^2\pi t$

$\rho_{NaCl} = 2.17\,g/cm^2$

$\rho_{NaBr} = 3.21\,g/cm^2$

→ we need: ~~[illegible]~~

6.8217 g of NaCl

10.085 g of NaBr

use weighing paper + a scale

The calculation seems like an overestimation, in reality we don't need that much

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⇒ there is enough salt so just fill up the sample holder

- During preparation: from manual, it wasn't clear that the double sided tape needed to be put inside the sample holder (and not underneath). Turns out, the tape is there to keep the salts in place, not the holder!

→ Roy helped at the XRD machine, nothing special there.

Problem! We did not bring a USB, and data is stored locally on XRD computer → we have to return another day or ask other students to borrow their USB stick