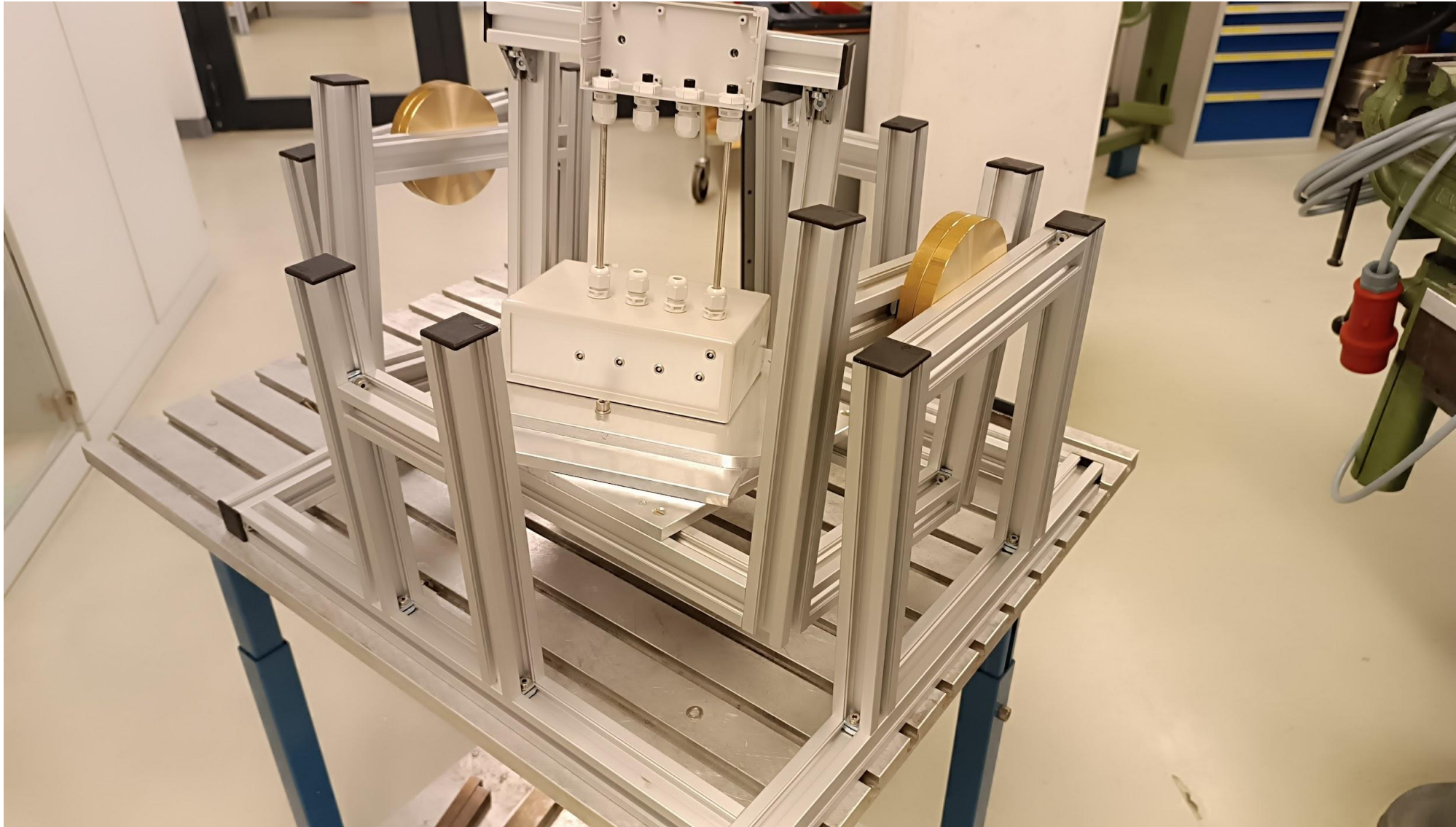


Status update: Proto-Prototype

Straw reflectivity

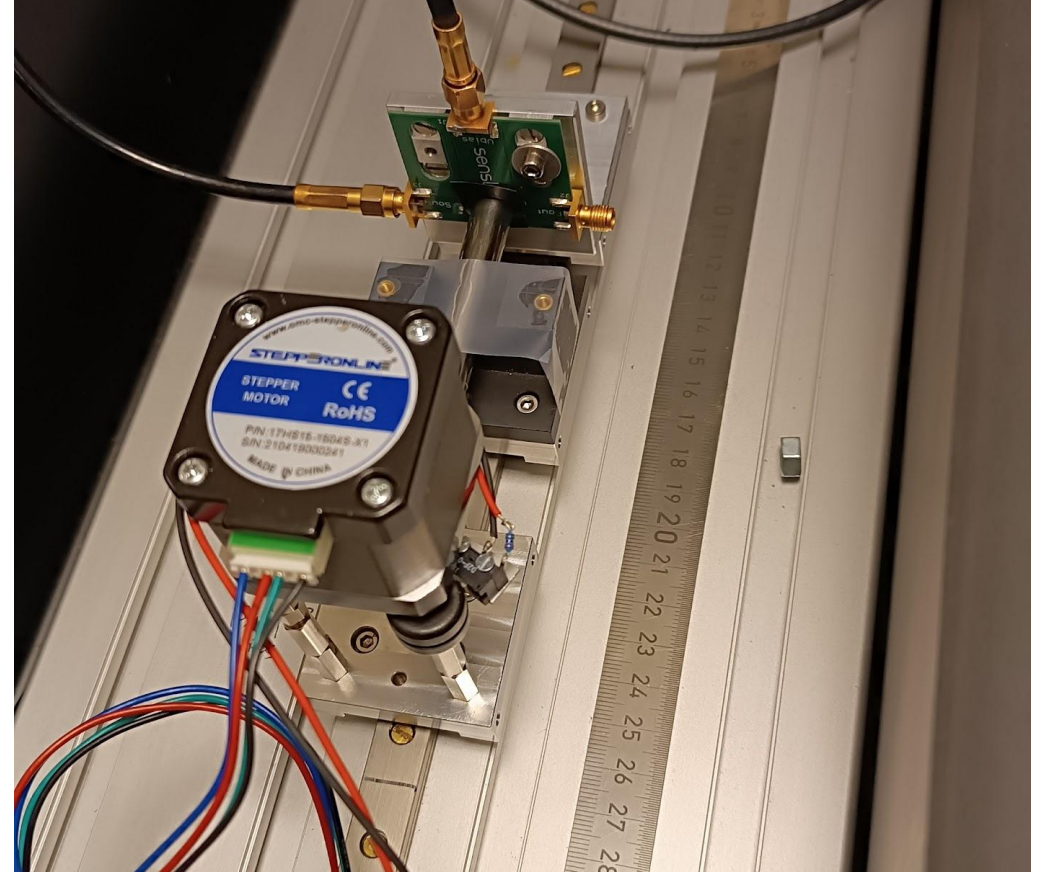
Antonios Athanassiadis
09.02.2023

Proto-Prototype



Reflectivity measurements

- Stepper motor which moves fiber in front of straw
- resolution of 1.8° steps possible
- Fiber attached to arduino pulser
- Measured 10k events from 16.2° to 10.8° two times with/without straw



Reflectivity measurements

- Comparison of amplitudes with and without straw
- How to compare this to the number of reflections

- $$n = \frac{l+a}{2r} \cdot \tan(\alpha) + \frac{1}{2}$$

