

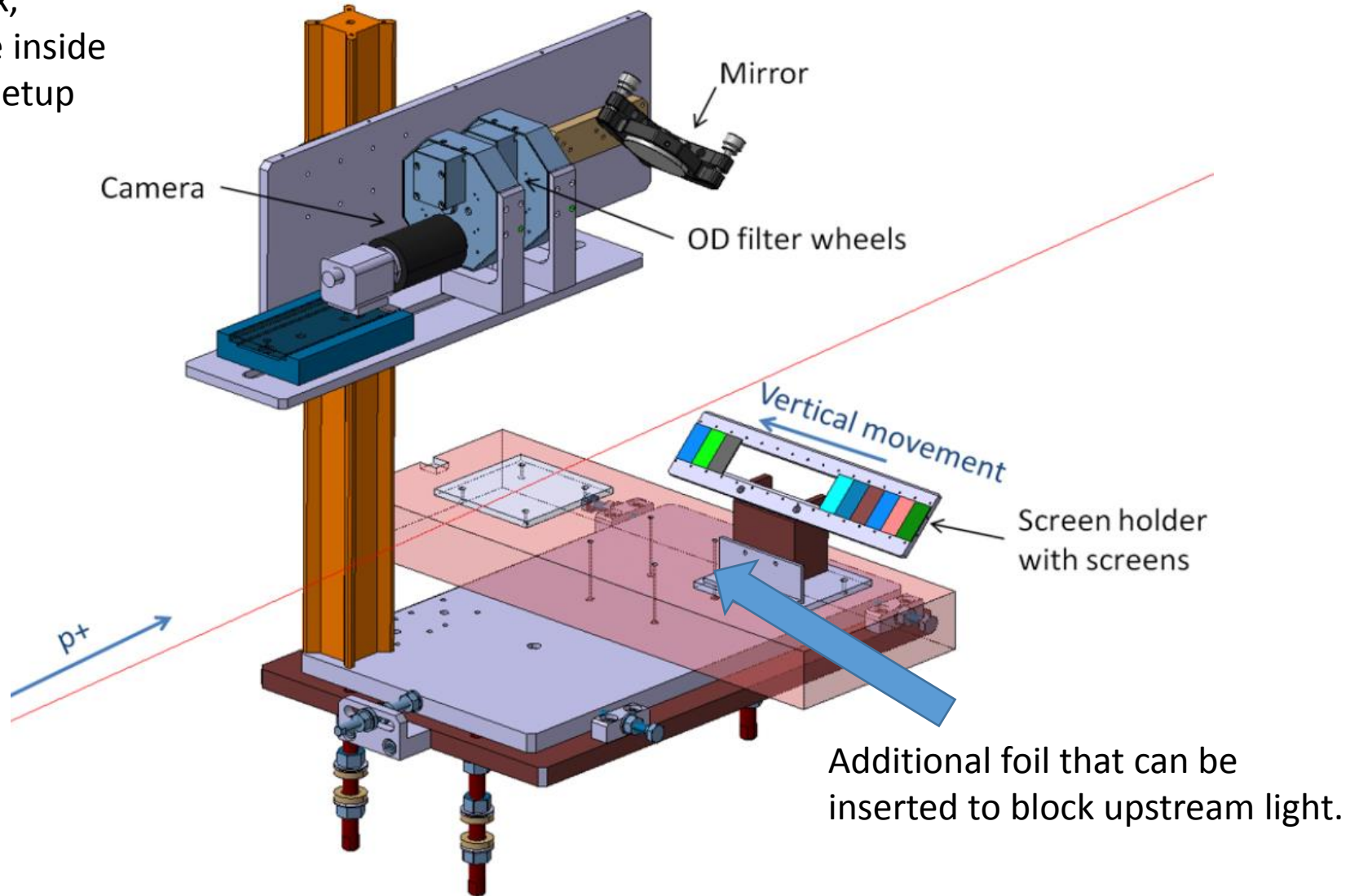
HRMT33- BTV2

Summary of the measurement

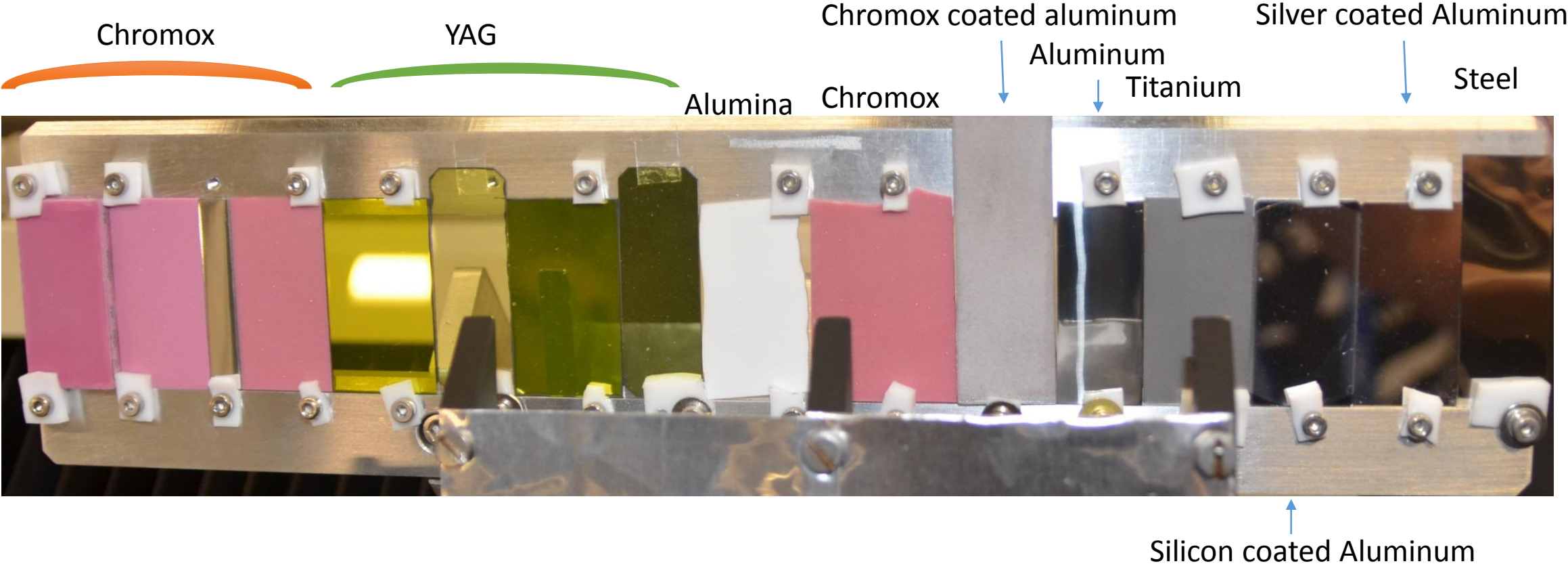
Marlene Turner, Bartolomej Biskup, Stephane Burger, Edda
Gschwendtner, Stefano Mazzoni

A reminder of the setup

An aluminum box,
blackened on the inside
surrounded the setup



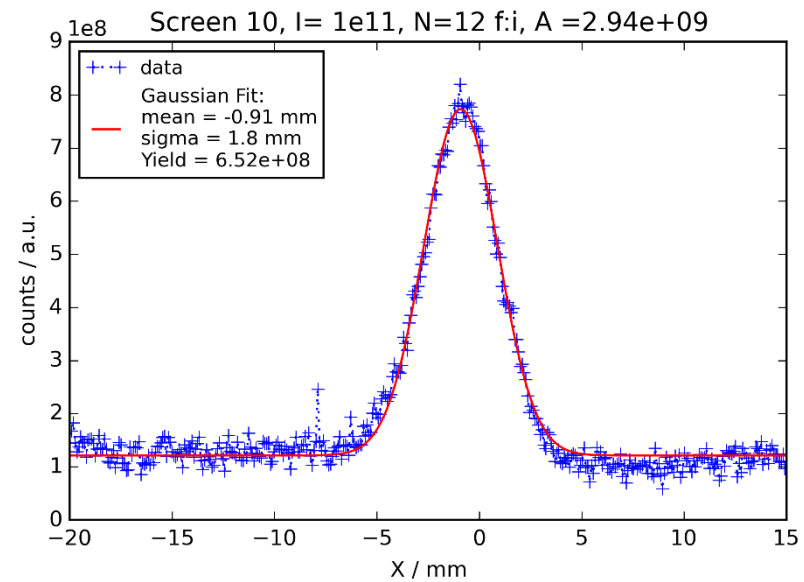
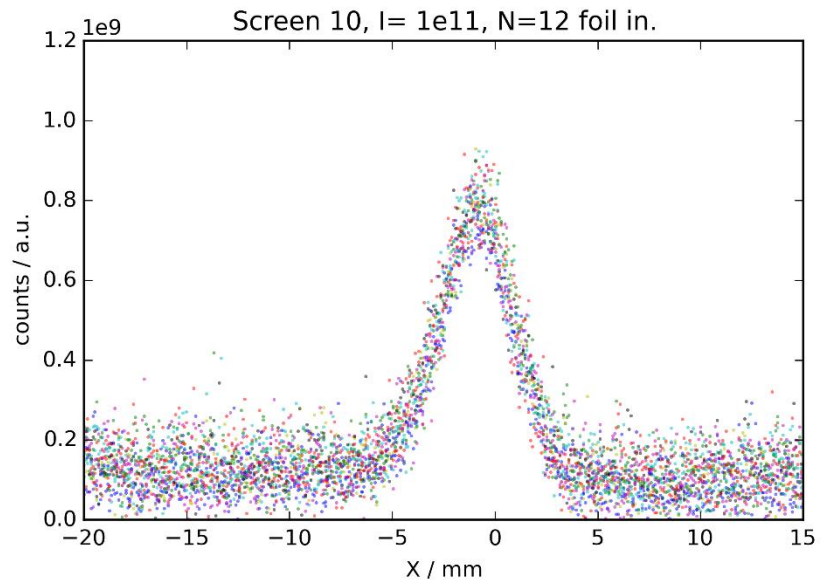
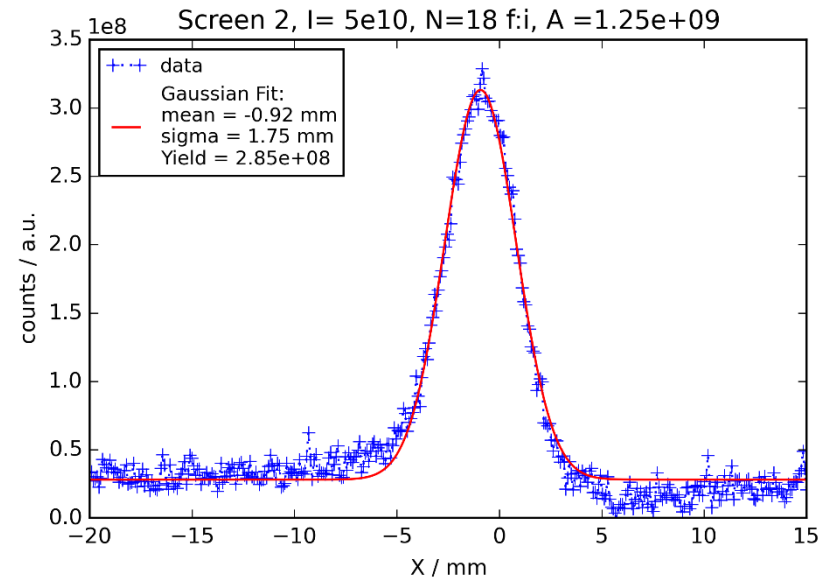
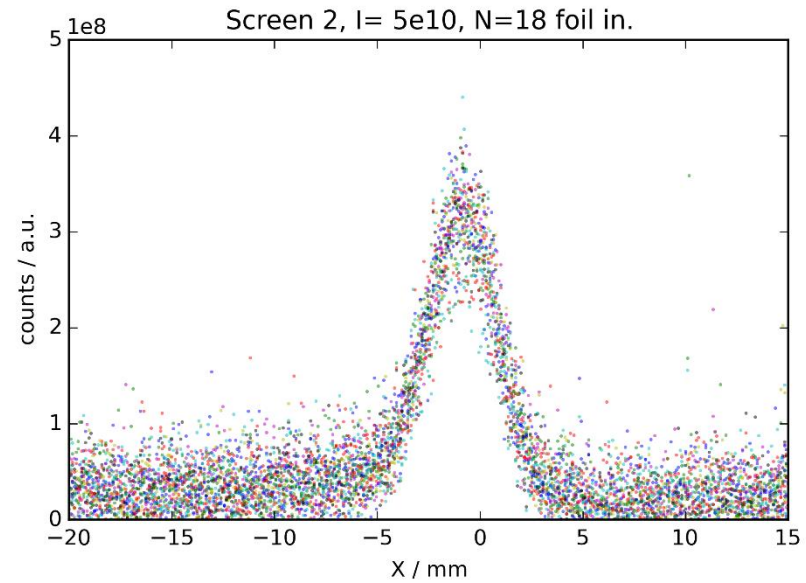
The screen holder



Beam time on Thursday 9th of June

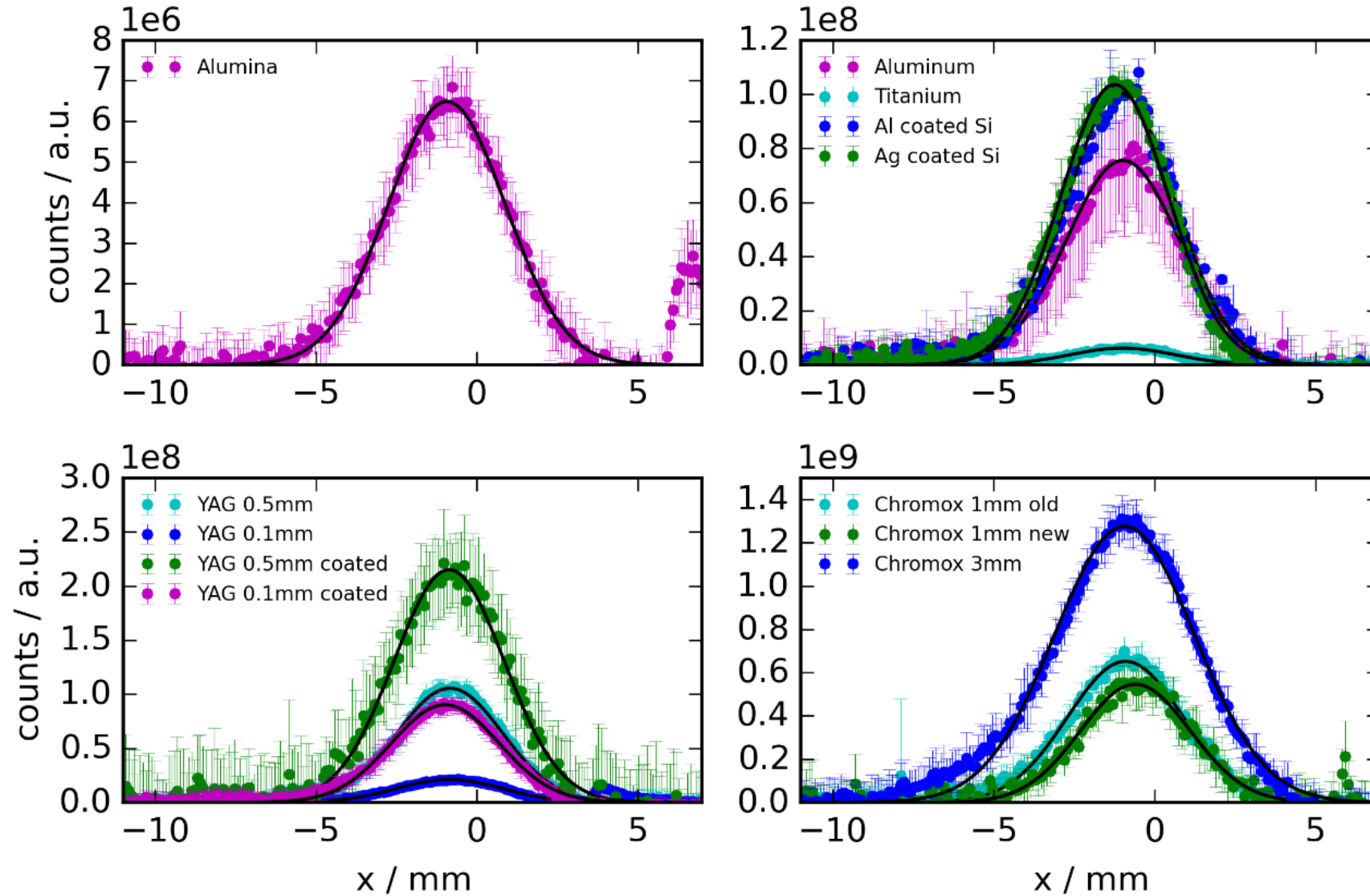
- Beam from 2:30 pm and finished around 02:00 am (with approximately 4 hrs. of waiting time in between due to LHC).
- We started with $1e11$ protons (1 bunch) and took approx. 350 shots.
- We switched to $5e10$ exactly at midnight and took approx. 150 shots.
- Beam spot size: $\sigma = 2$ mm

Measurement results

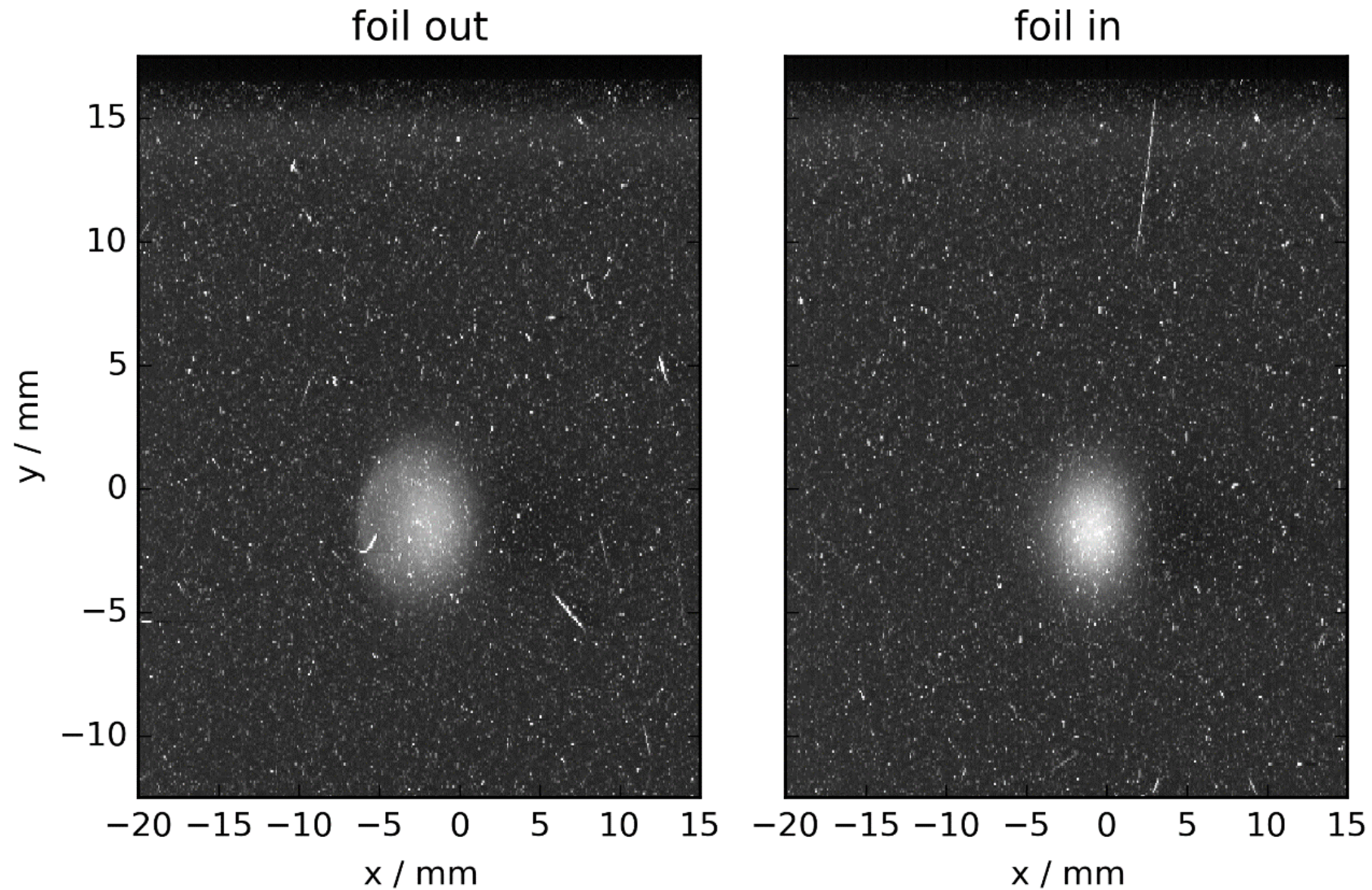


Measurement result

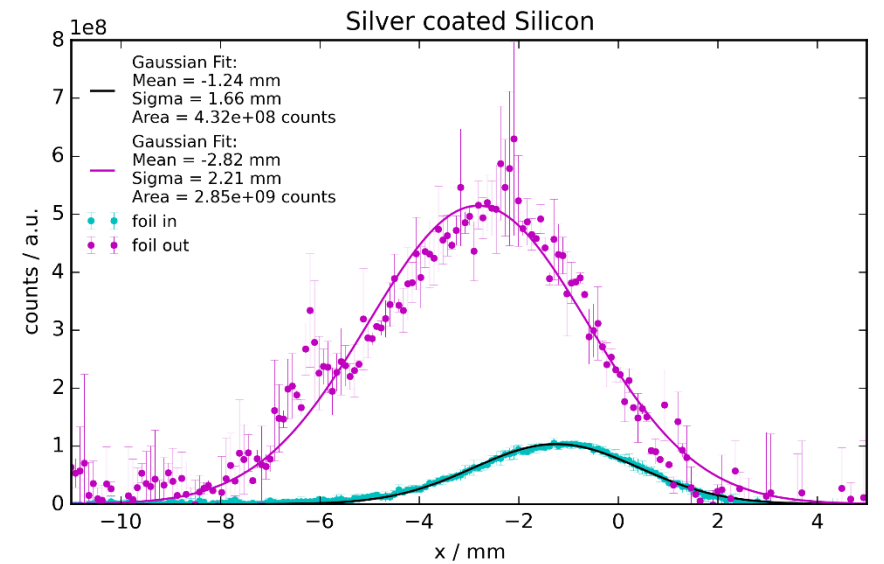
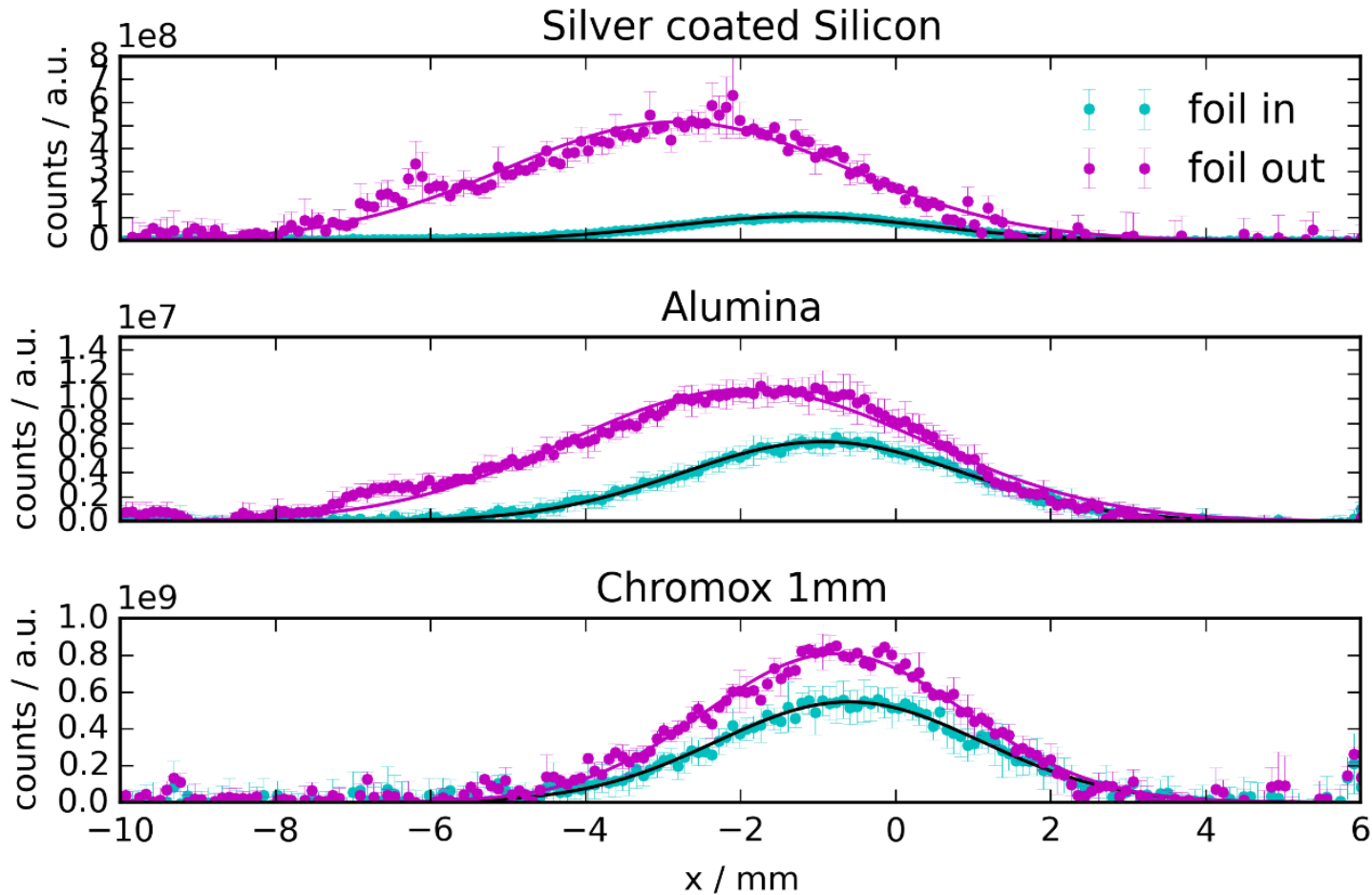
2e11 protons
per bunch



Influence of the light-blocking foil



Influence of the light-blocking foil



Conclusions

- The measurements were successful and we have good statistics.
- We are working on the interpretation of the results to get the individual contributions.
- In the progress of writing a IBIC conference proceeding.