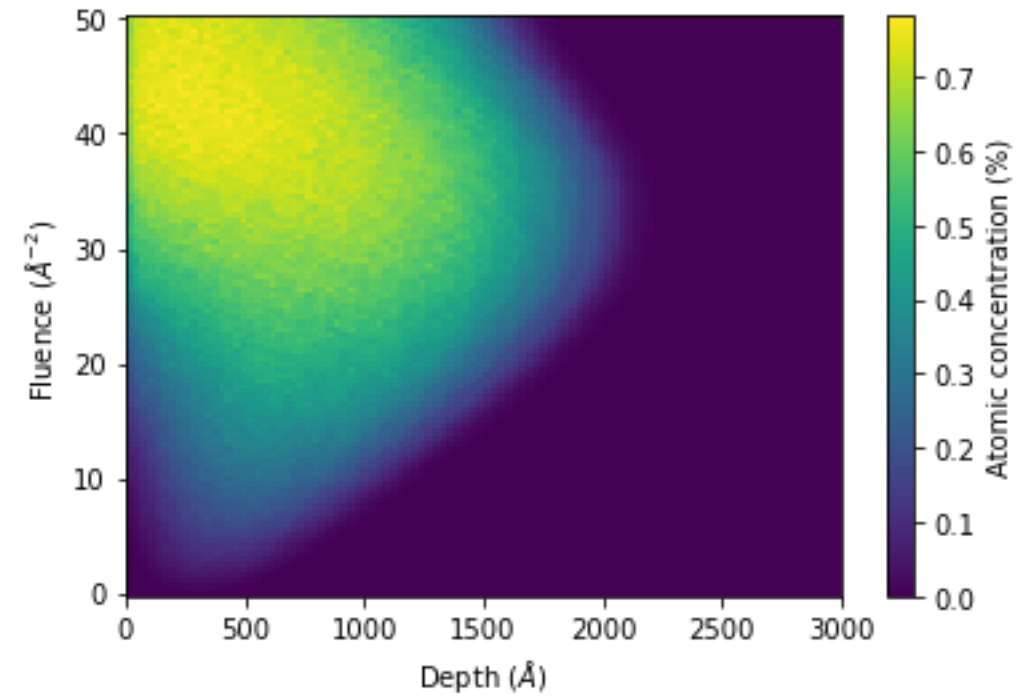
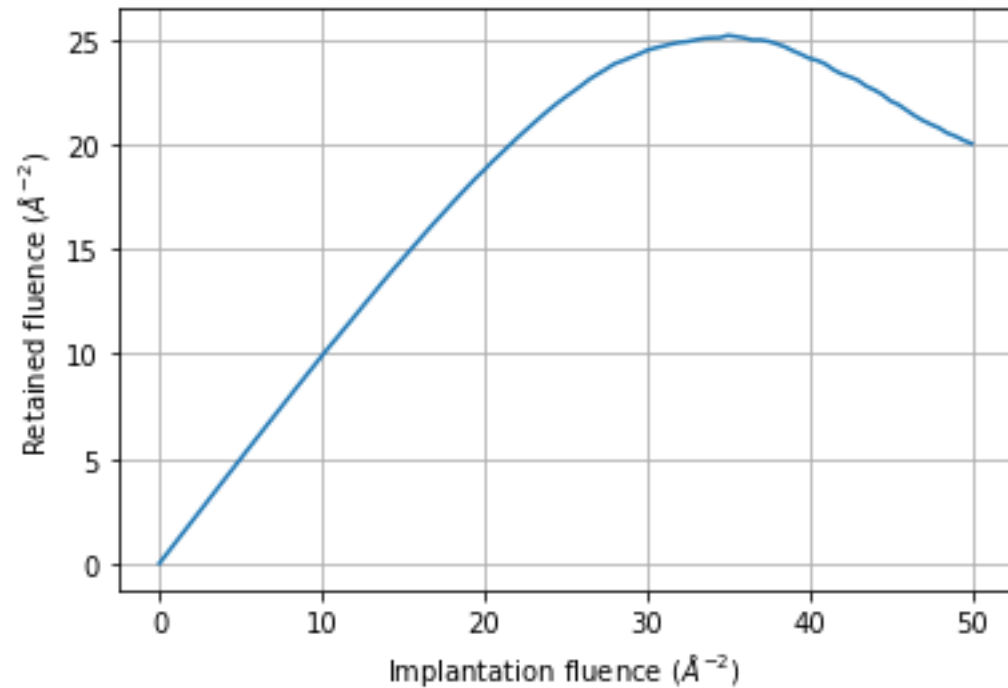


# Update muX meeting 26/08

Michael Heines

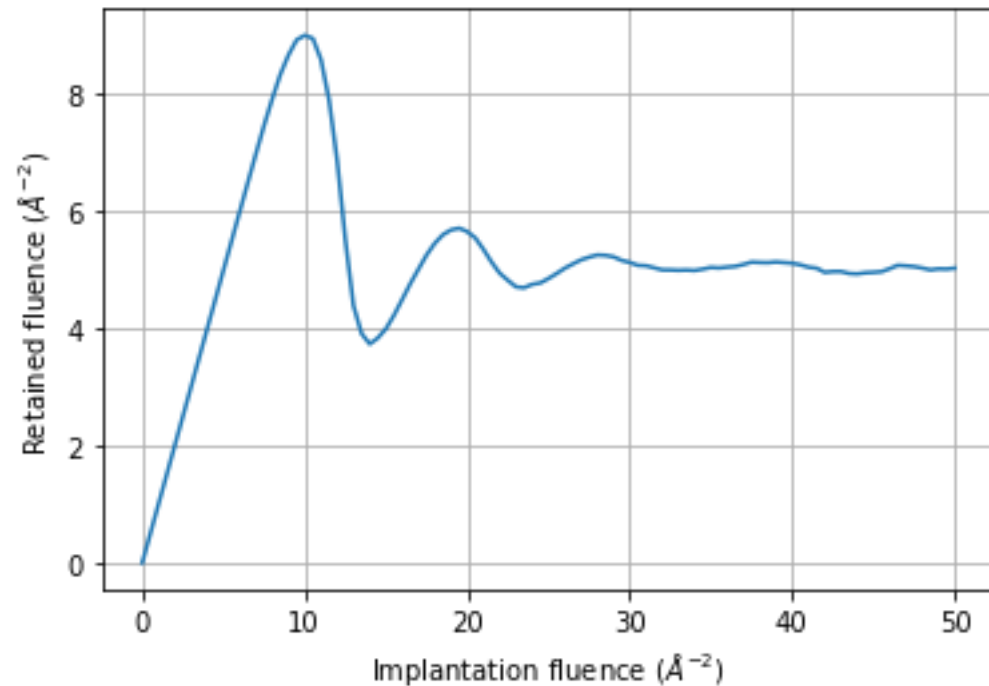
# TRIDYN – $^{39}\text{K}$

30 keV

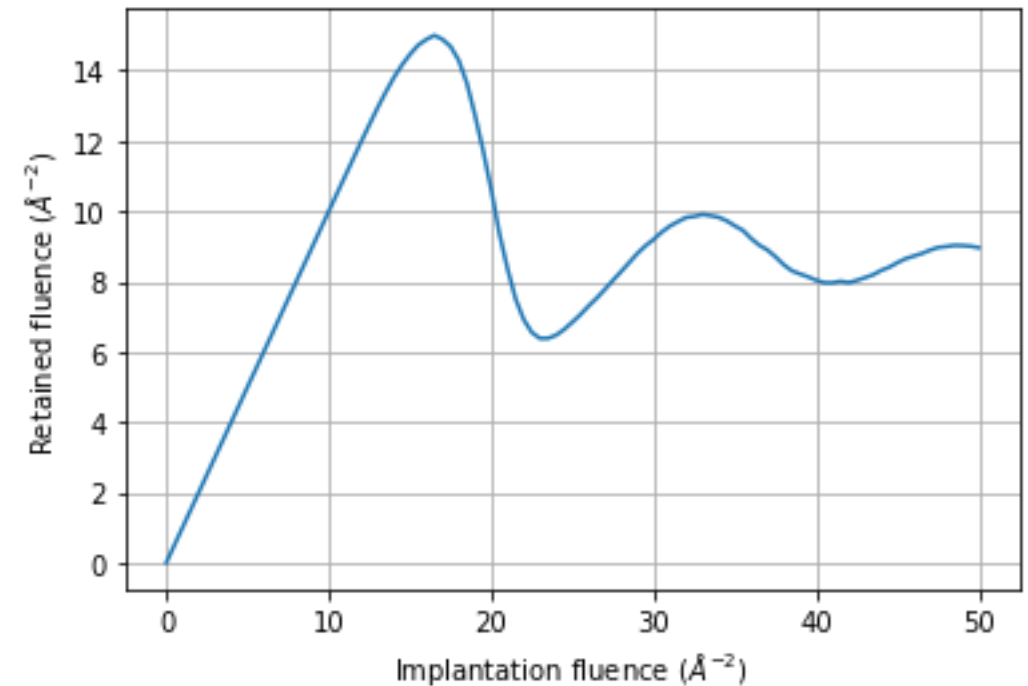


# TRIDYN – $^{197}\text{Au}$

30 keV

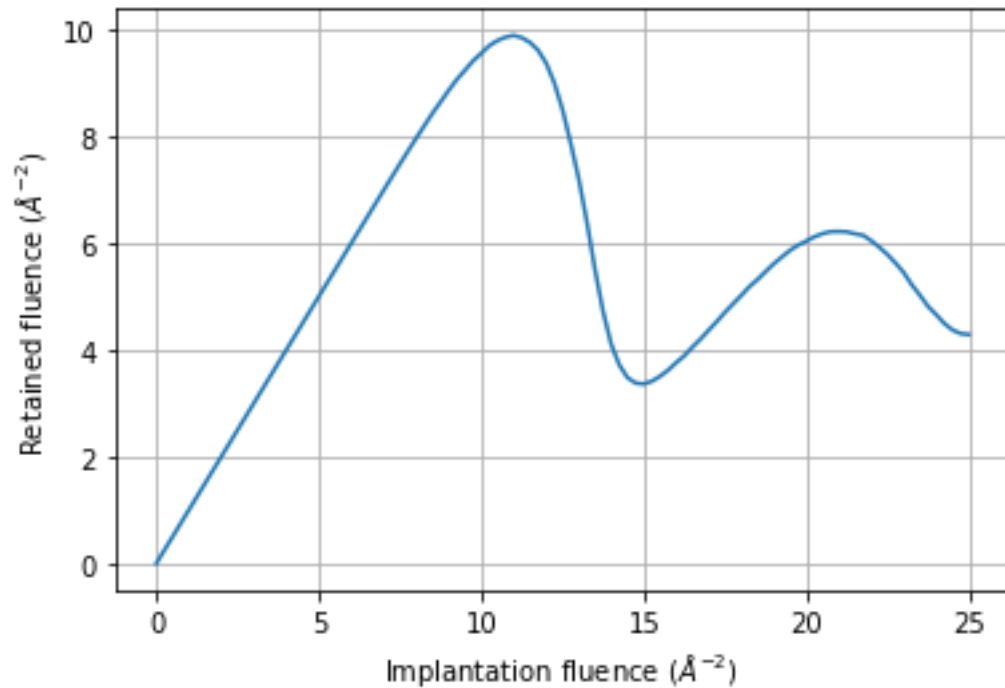


100 keV

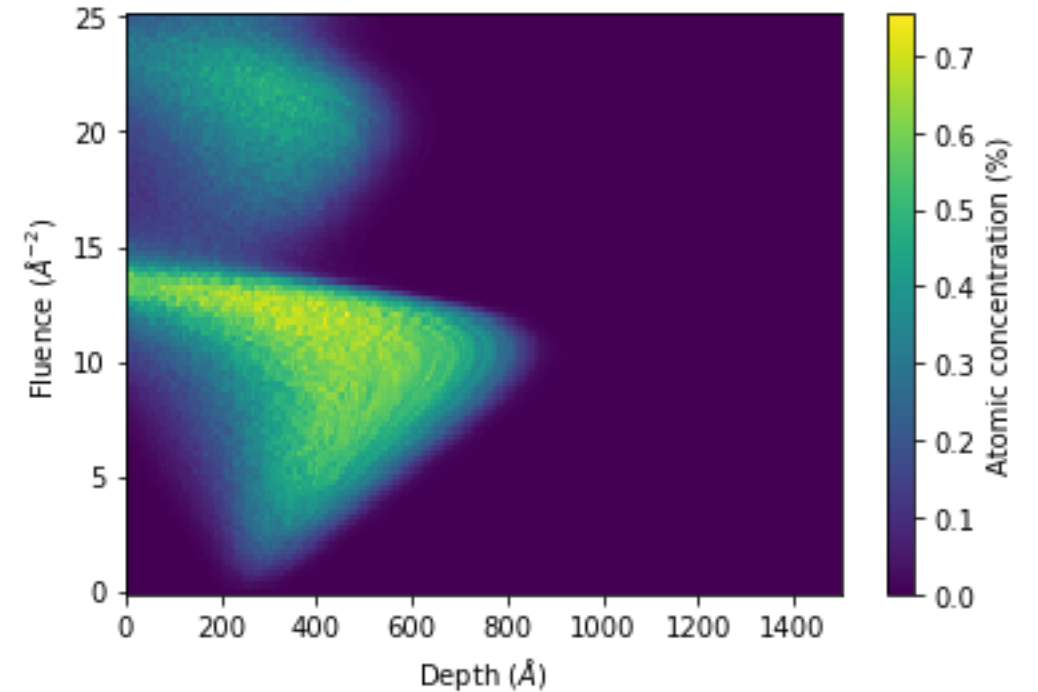


# TRIDYN - $^{226}\text{Ra}$

30 keV



$5\mu\text{g} = 1.33 \times 10^{16}$  particles = 184 kBq



Where to implant and with what beam spot size?

# Systematic study

- What type/size of pyrolytic graphite
- Small squares (5mm x 5mm) cut from a larger sheet
- Start with multiple samples in the beamspot → Remove one after each “implantation step”

# What's next

- EMIS conference
- Starting on analysis
  - Implement writing trees in analyzer (maybe some help needed)
  - General energy calibration
  - Gain drift → Full energy calibration or change to general
- Systematic study
  - Order and cut pyrolytic graphite
  - New RADIATE proposal on  $4\text{-}5 \text{ E}17 \text{ cm}^{-2}$  at Dresden

