

# Update muX meeting 14/07

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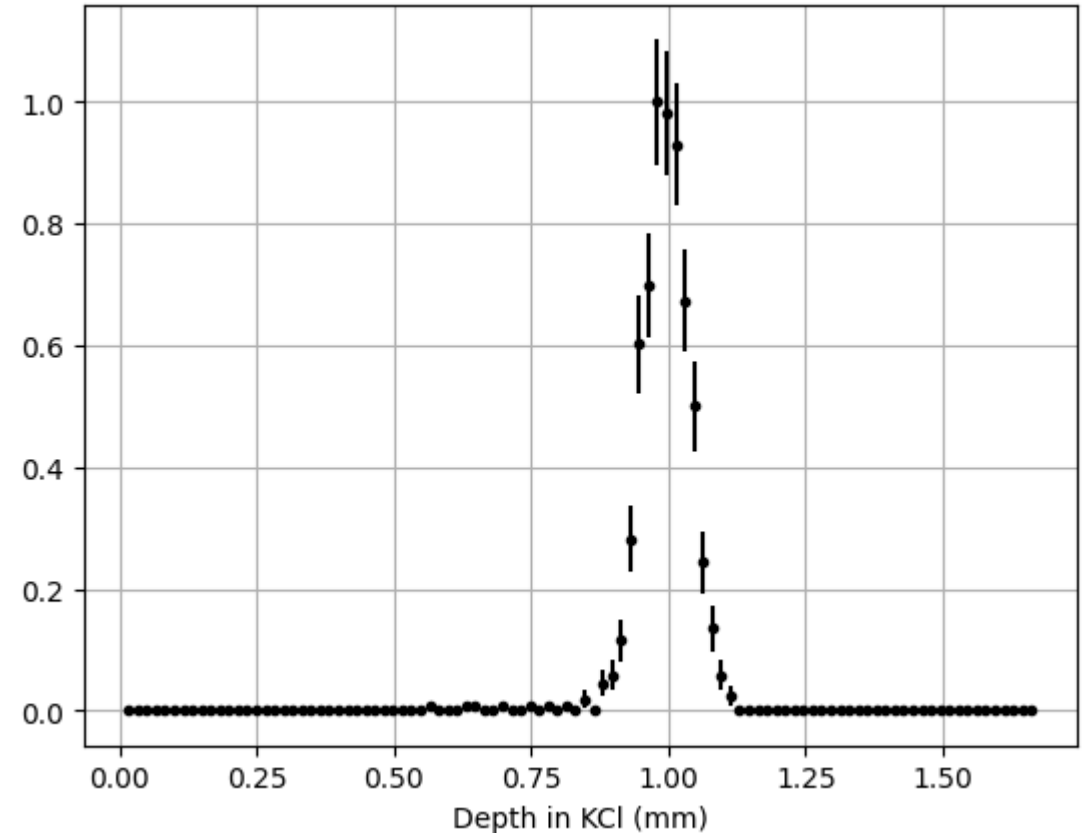
# Enriched K-39 and K-41



- K-39:
  - >99.97% purity
  - $m_K = 500$  mg
- K-41:
  - >98.8% purity
  - $m_K = 100$  mg
- On  $d = 15$  mm  $\rightarrow$  1.66 mm / 100 mg

# Stopping of muons in KCl

- Assuming  $p = 30 \text{ MeV}/c \rightarrow$  Muons stop around 1 mm
- ~50% of muons will be captured in the potassium
- More simulations needed?
  - Add thin plastic in front
  - Vary momentum
  - ...



# Germanium traces from IDS clover

Ge08 (Ge9524)  $\rightarrow \sigma_t < 5$  ns

IDS clover

