



# Update Scanner and EvapChamber

Argoncube group meeting, 29.04.26

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FOR FUNDAMENTAL PHYSICS

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# Scanner

New cabling:

- New feedthrough
  - MiniFT
- New Samtec cables

To Check:

- Noise from bundle of cable?



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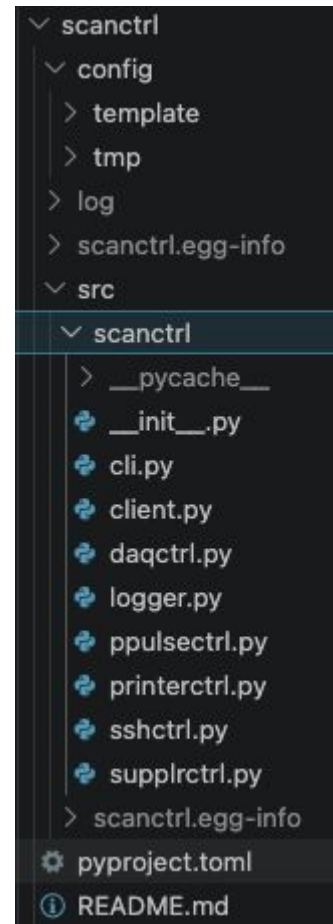
# Scanner

New python module to run the scanner:

- modular -> reusable
- (hopefully) understandable

Main upgrades:

- Logging
- Easy configuration
- Easy to add new features



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# Scanner

## Left to do:

- Set “zero” position of LT
- Define calibration scope:
  - full warm calib
  - gain computation
- Setup storage mount
  - Firewall issue
- Setup automatic ndlar-flow pipeline on neutrino01

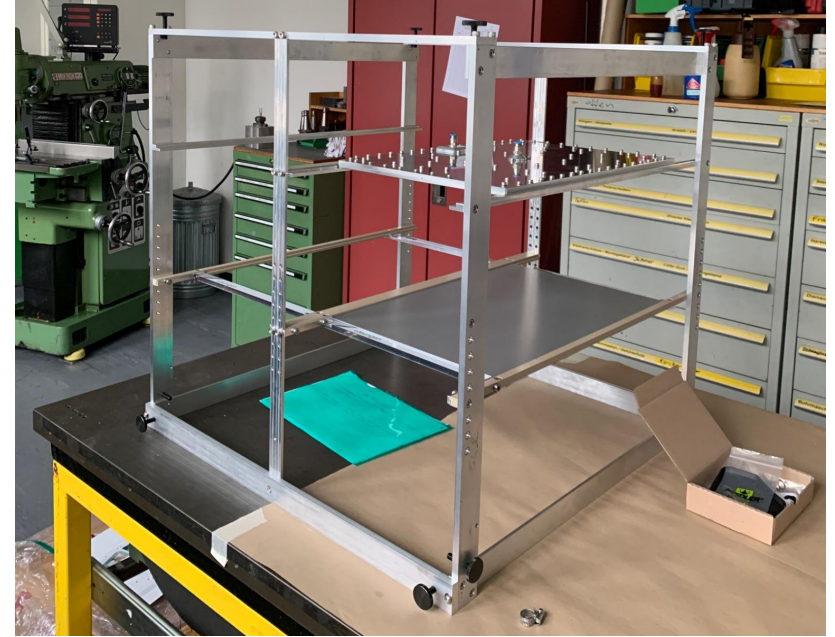
## Bonus:

- Add motor for mid-scan shift
  - Design bottomless drawer for more accurate scan

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# EvapChamber

- New structure
  - Two plates at a time
- Mini-PLC
  - Automated coating: “one button push”



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# EvapChamber

## Missing:

- Second heating plate
  - Poor one received
- Second TPB tray
- Crystal coating monitor

## To do:

- Test PLC code
- Test full setup