

PPACMon1 and PPACMon2 status



PPACs - design

The electrodes:

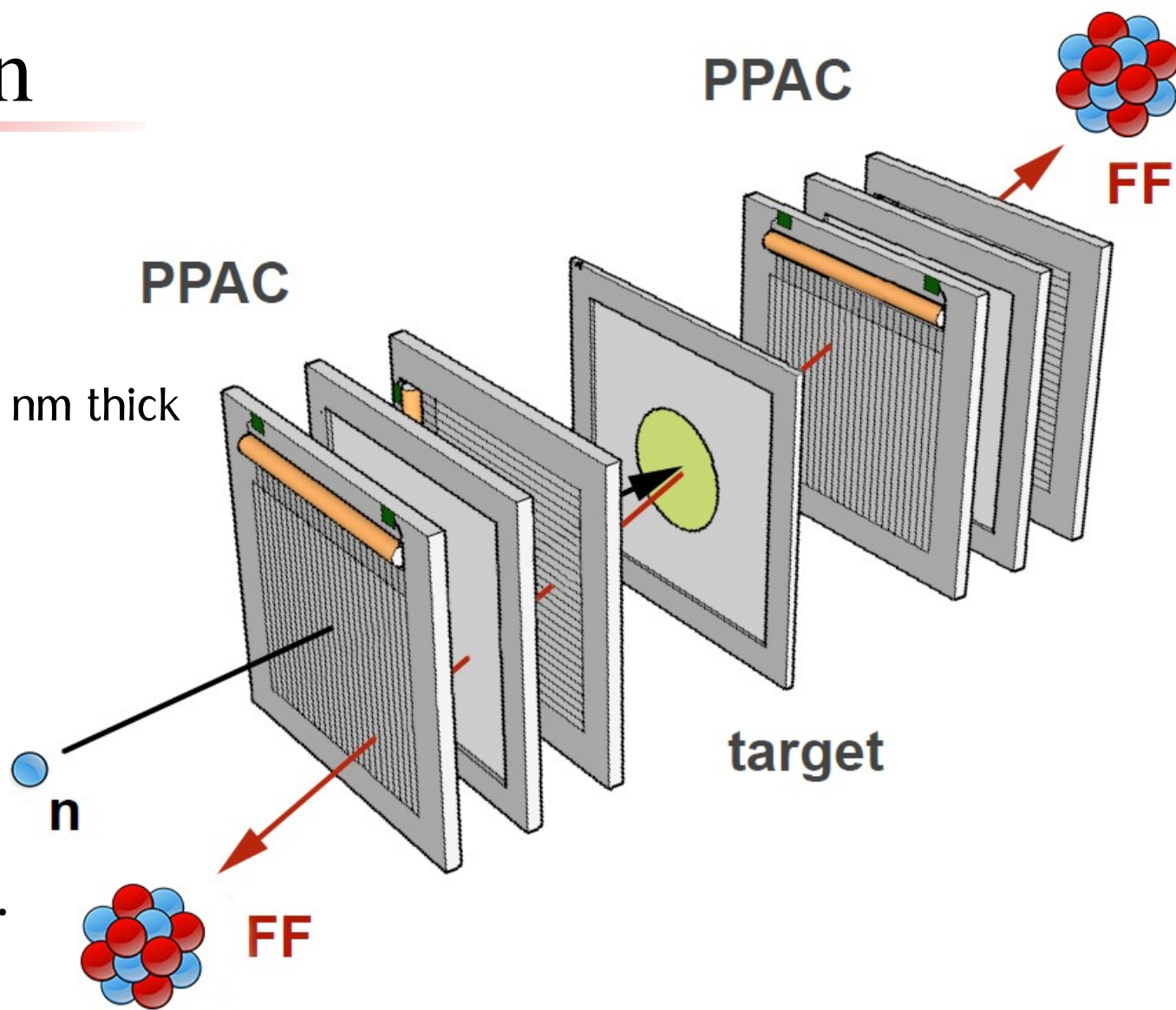
area of $20 \times 20 \text{ cm}^2$,
1.7 μm mylar foils,
coated with gold, 700 nm thick

- Anode:

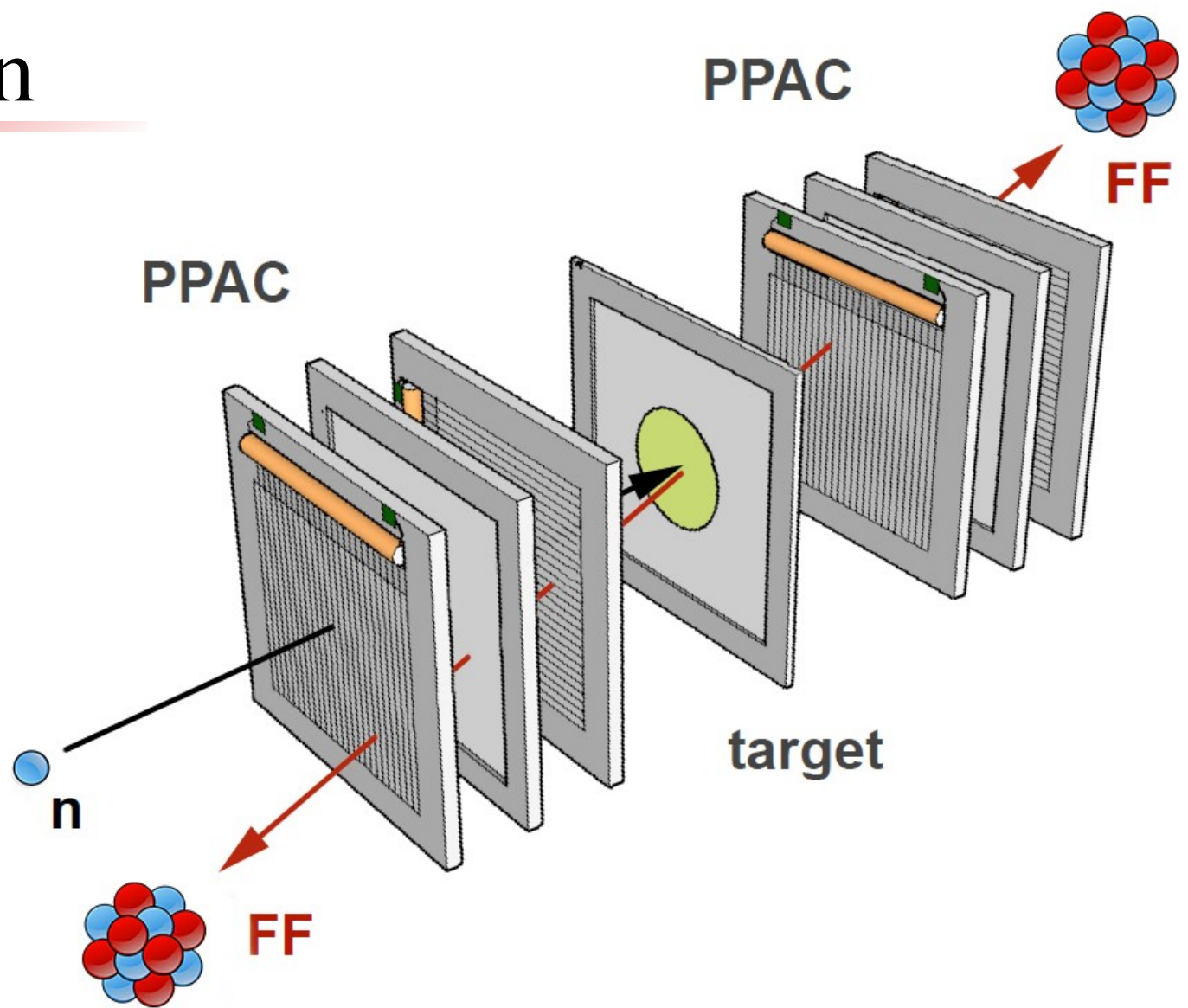
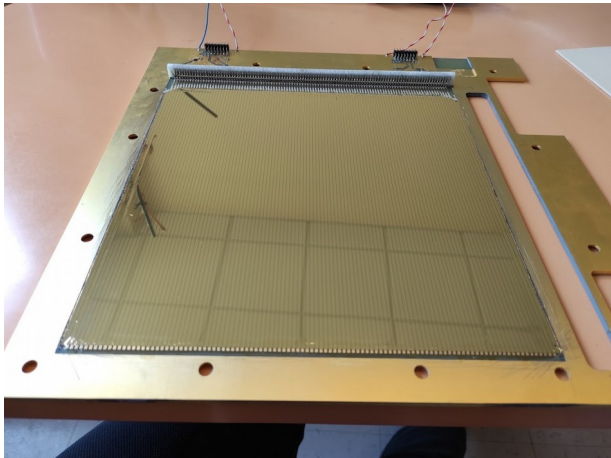
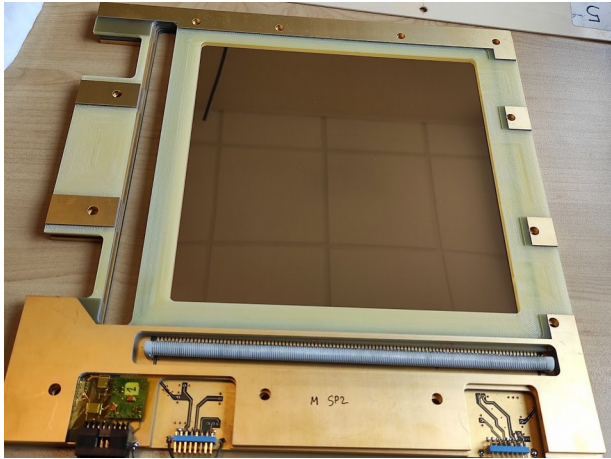
the coating is uniform
and double sided

- Cathodes:

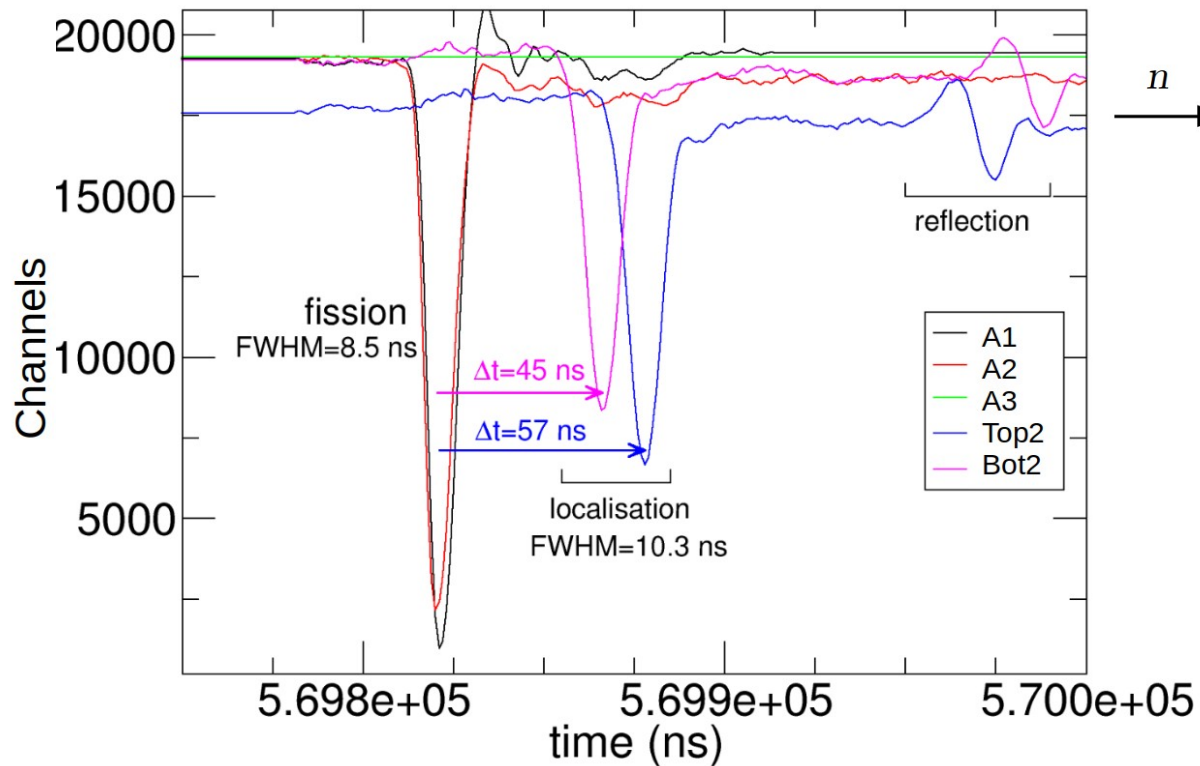
the coating is divided
into 2 mm wide strips.



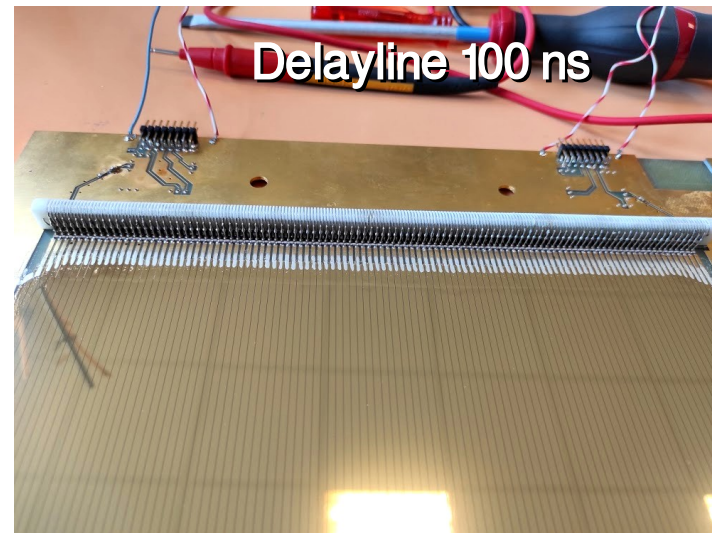
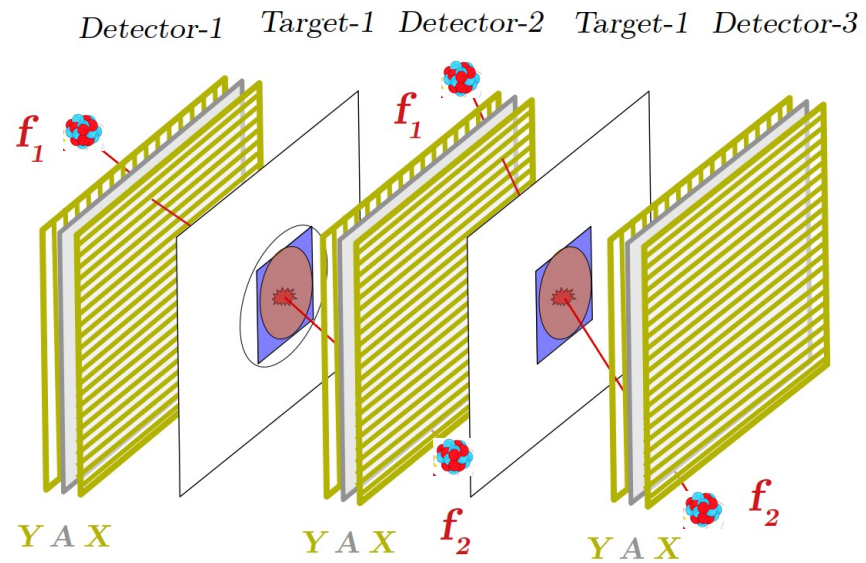
PPACs - design



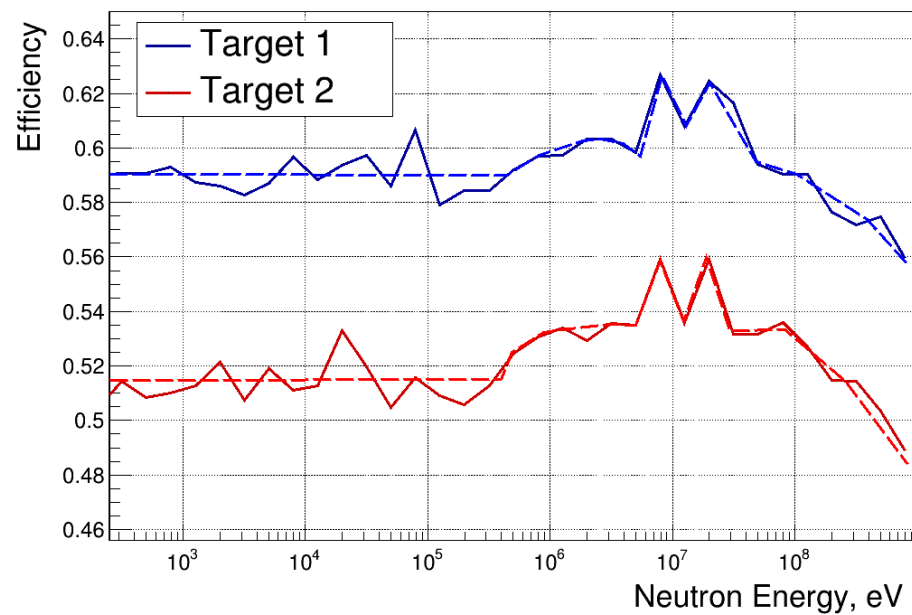
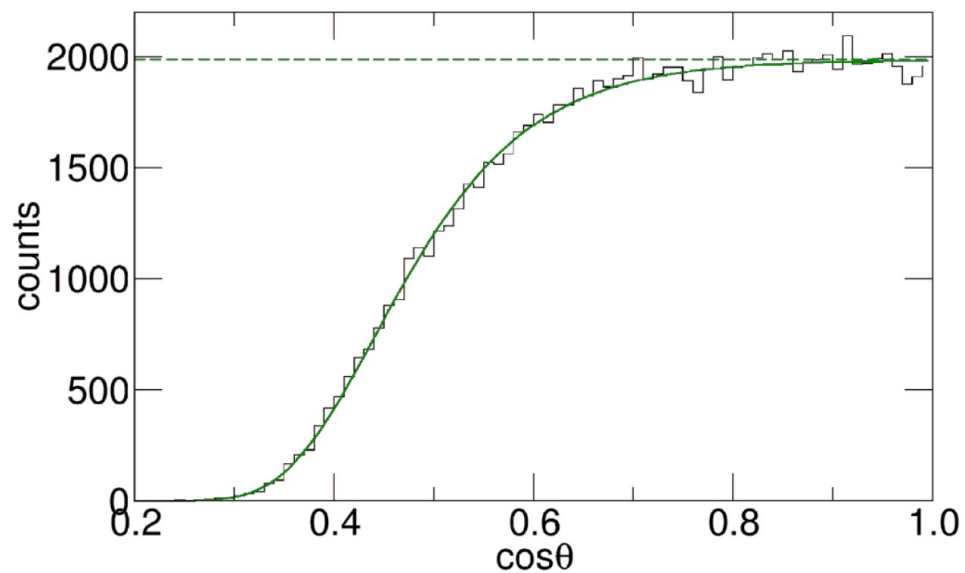
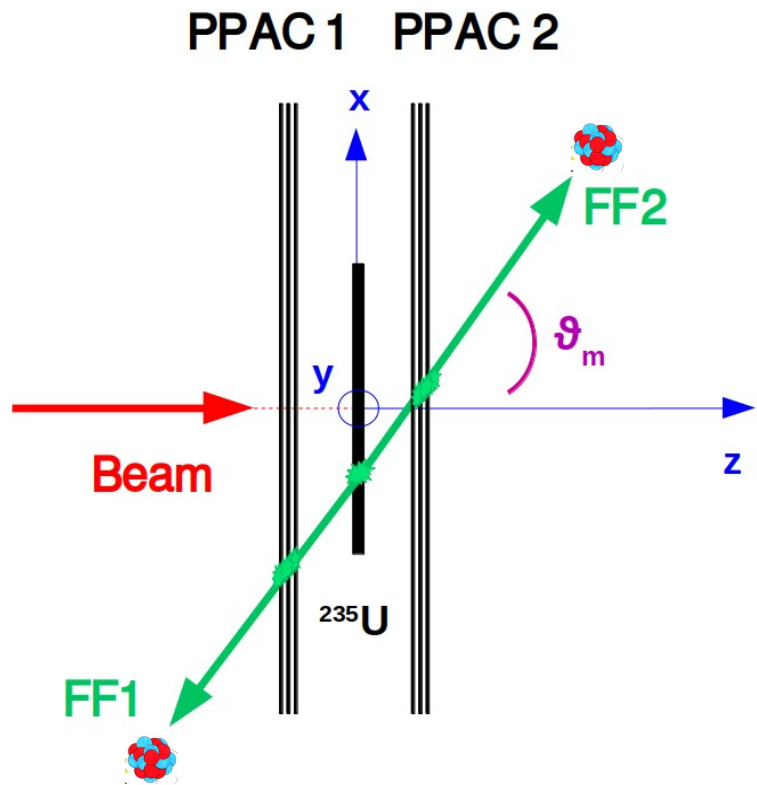
PPACs - basic idea



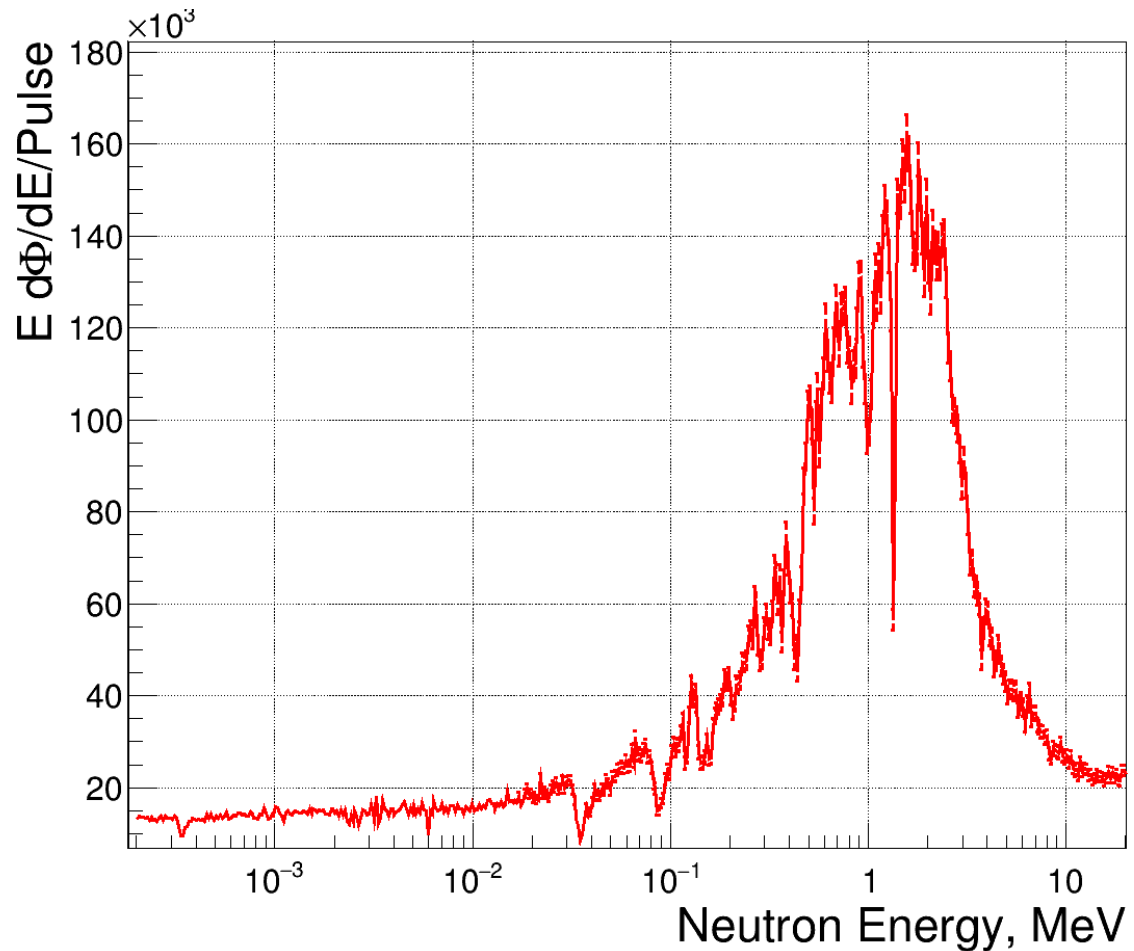
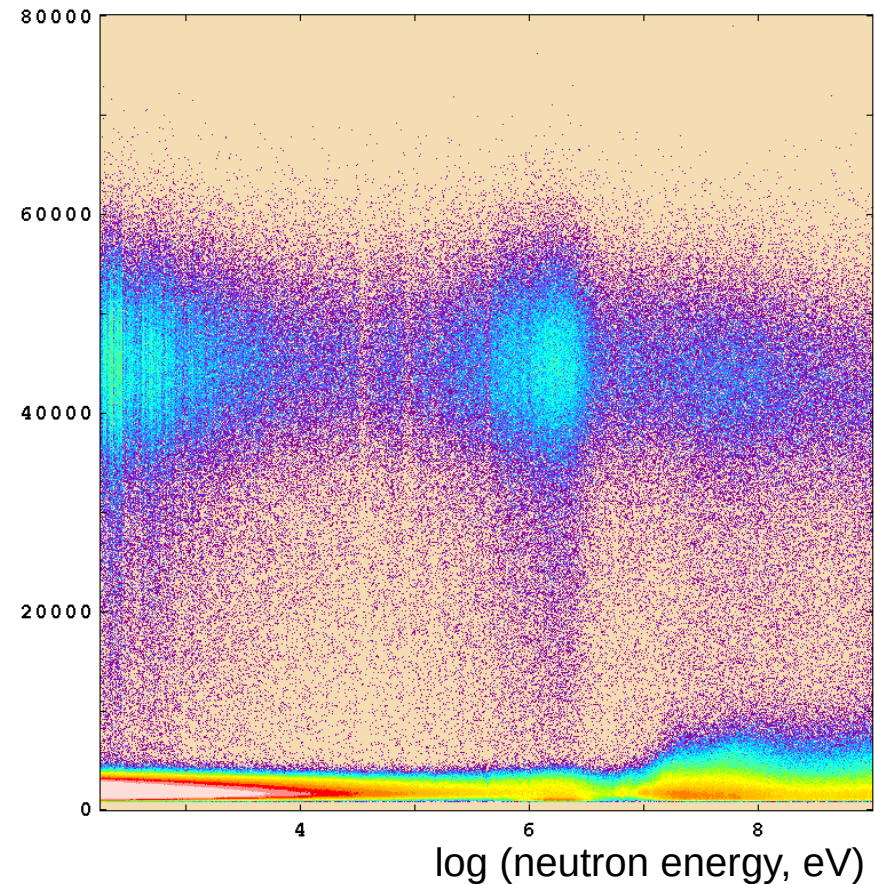
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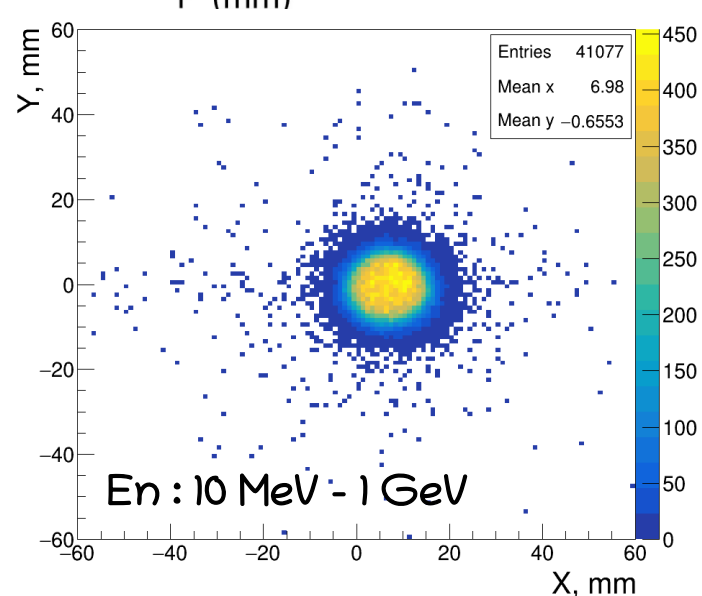
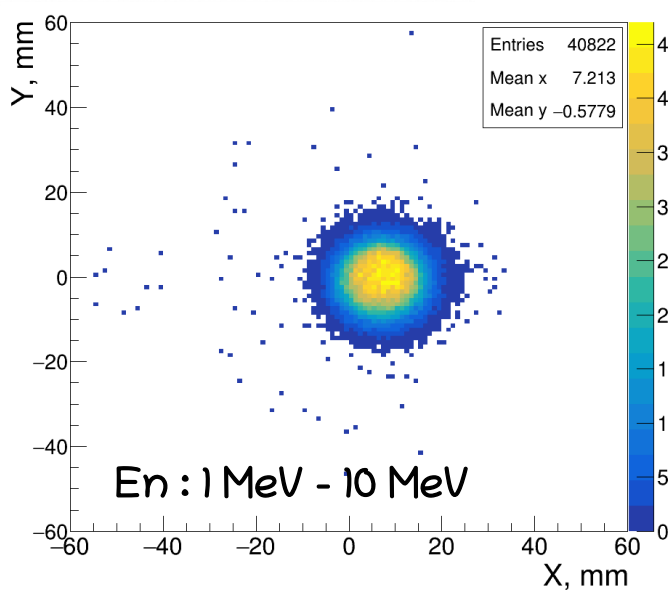
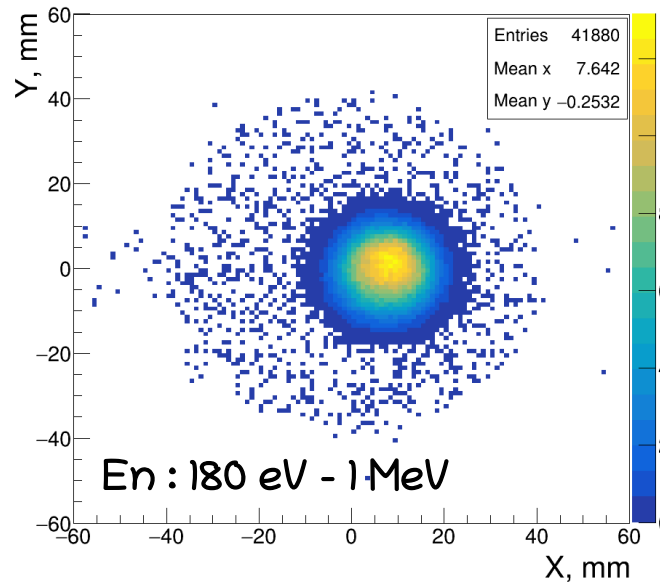
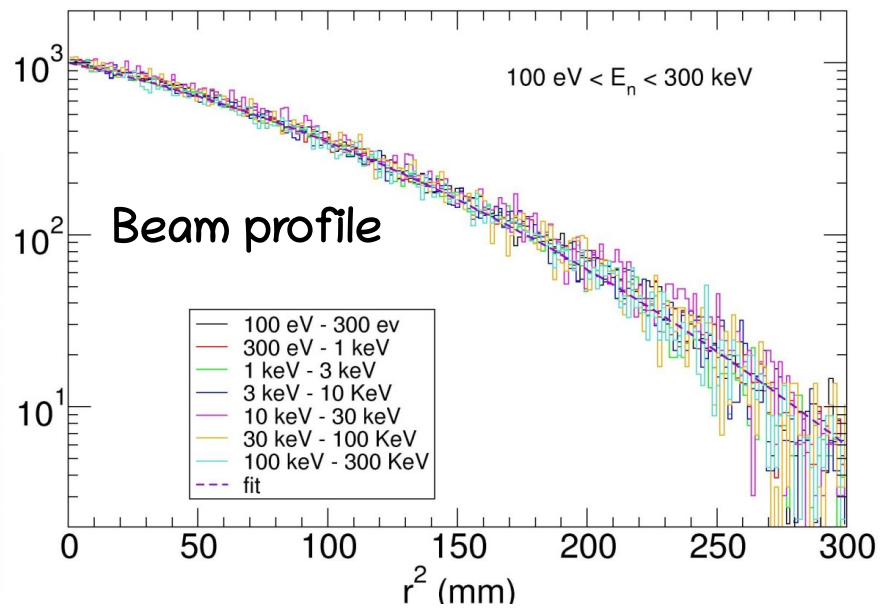
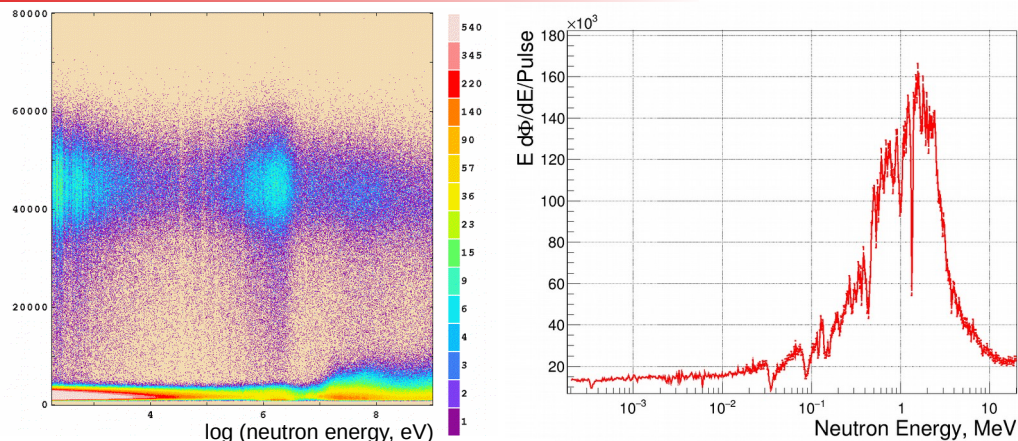
PPACs - basic idea



PPACs - basic idea

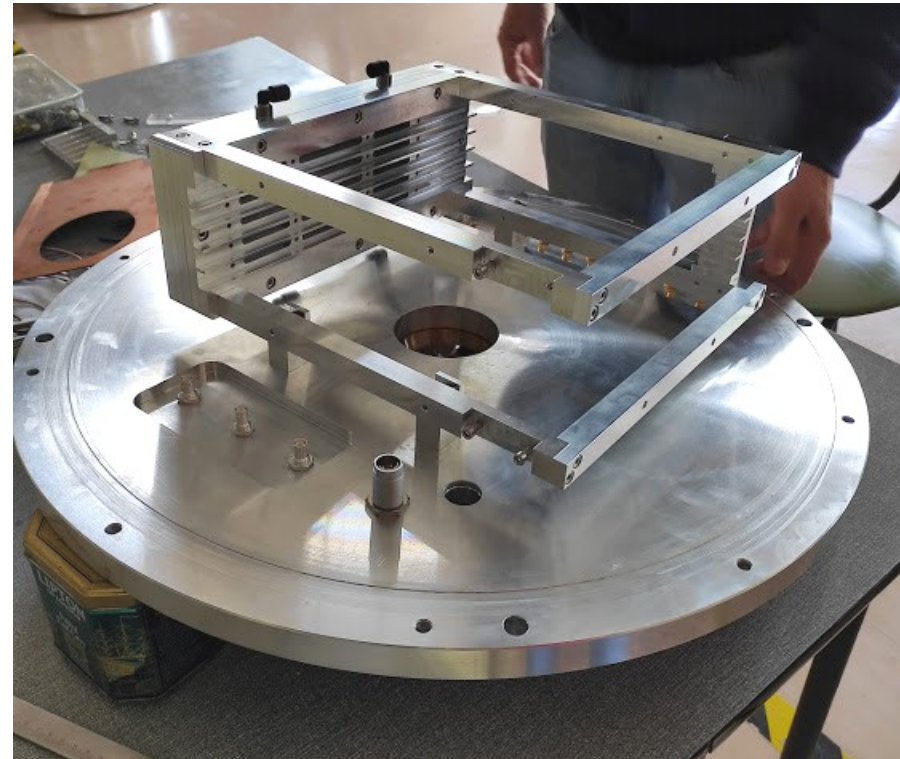
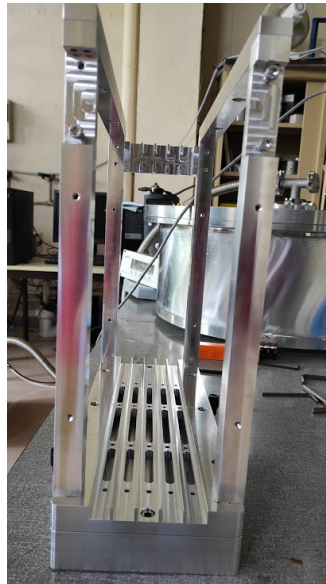
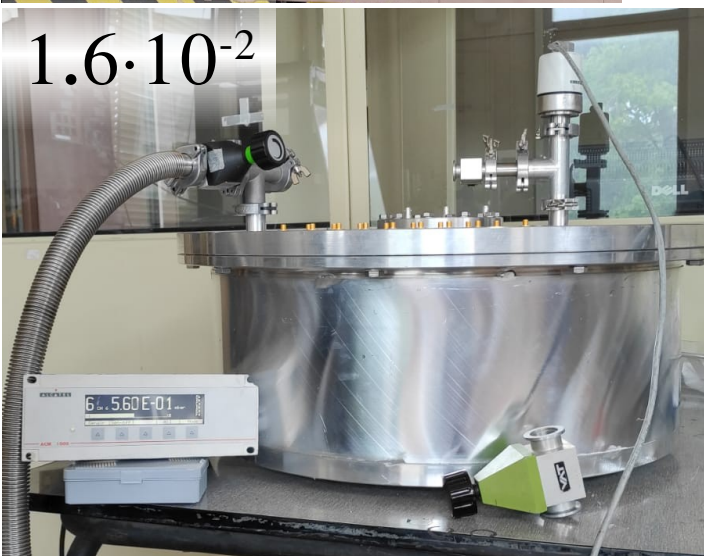
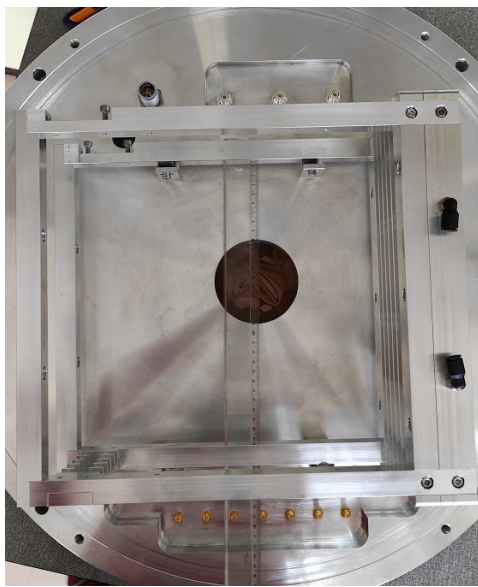
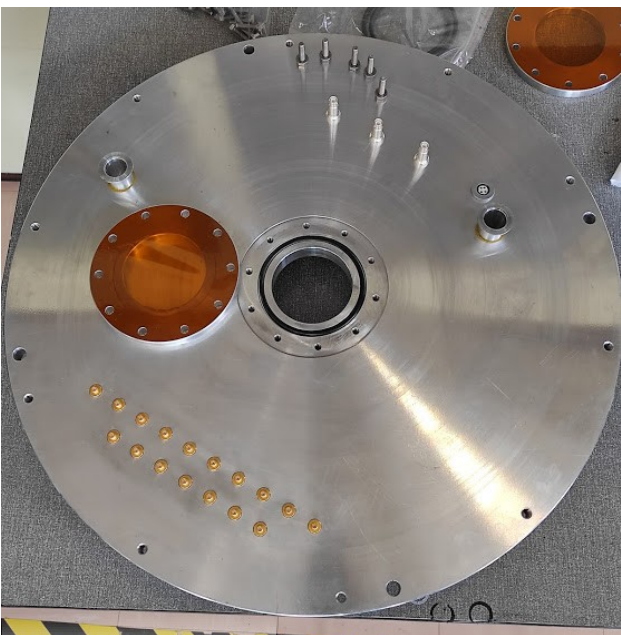


PPACs - basic idea



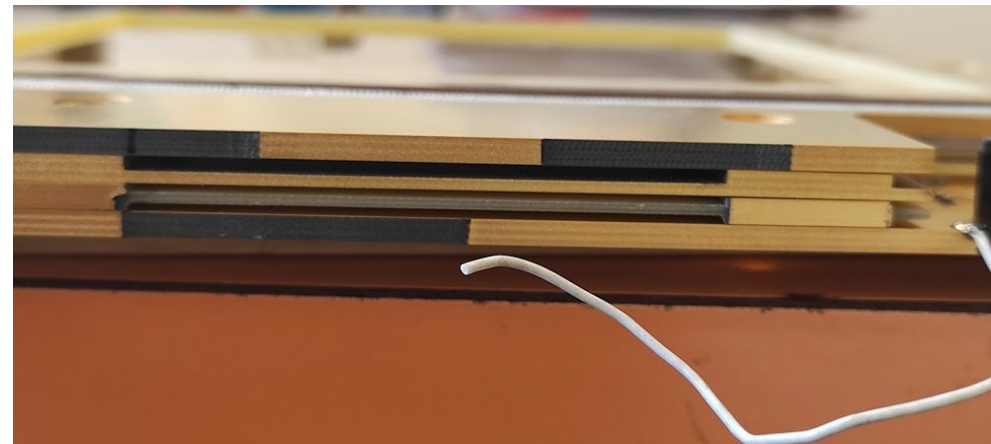
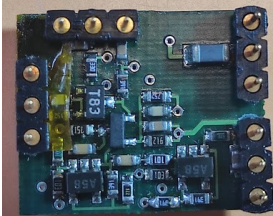
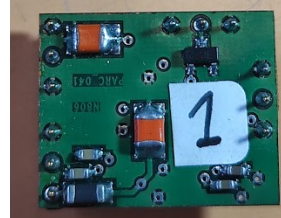
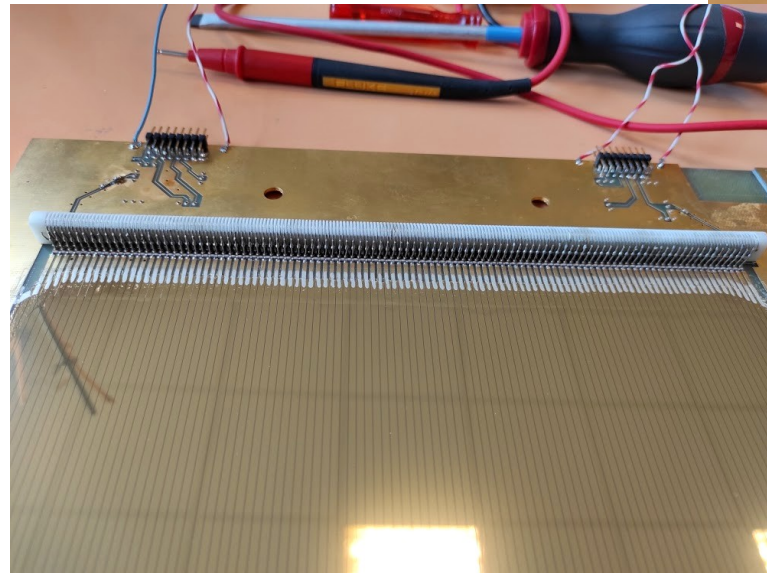
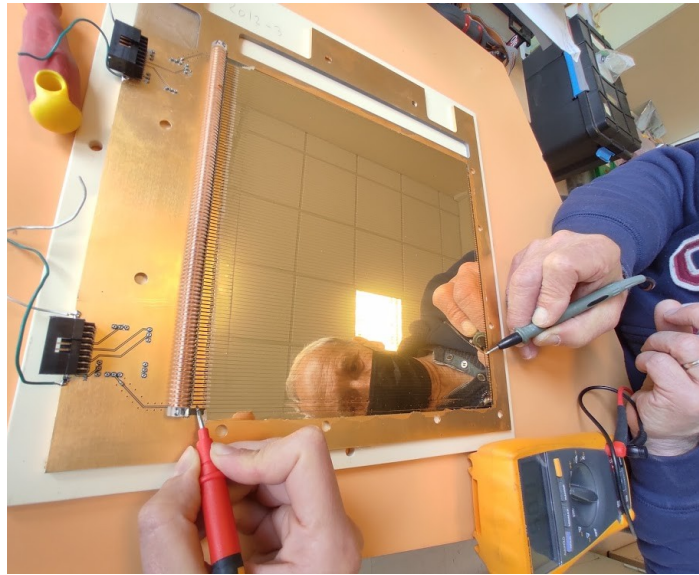
PPACMon1

@EAR1



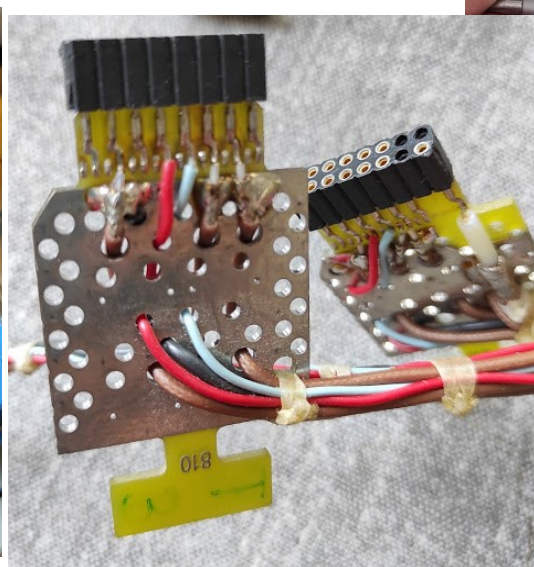
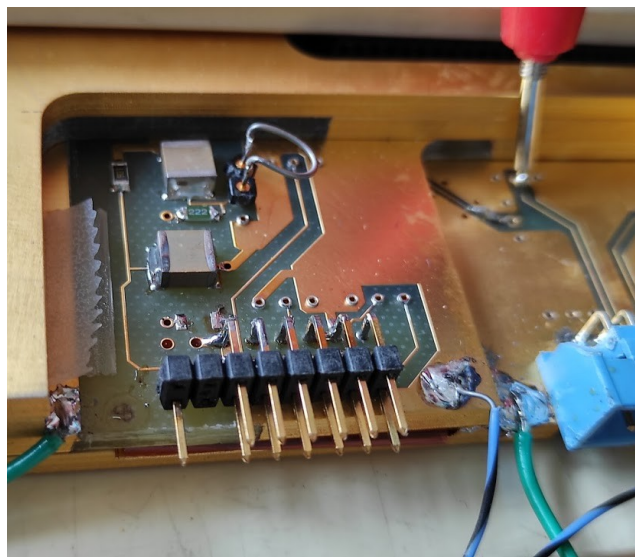
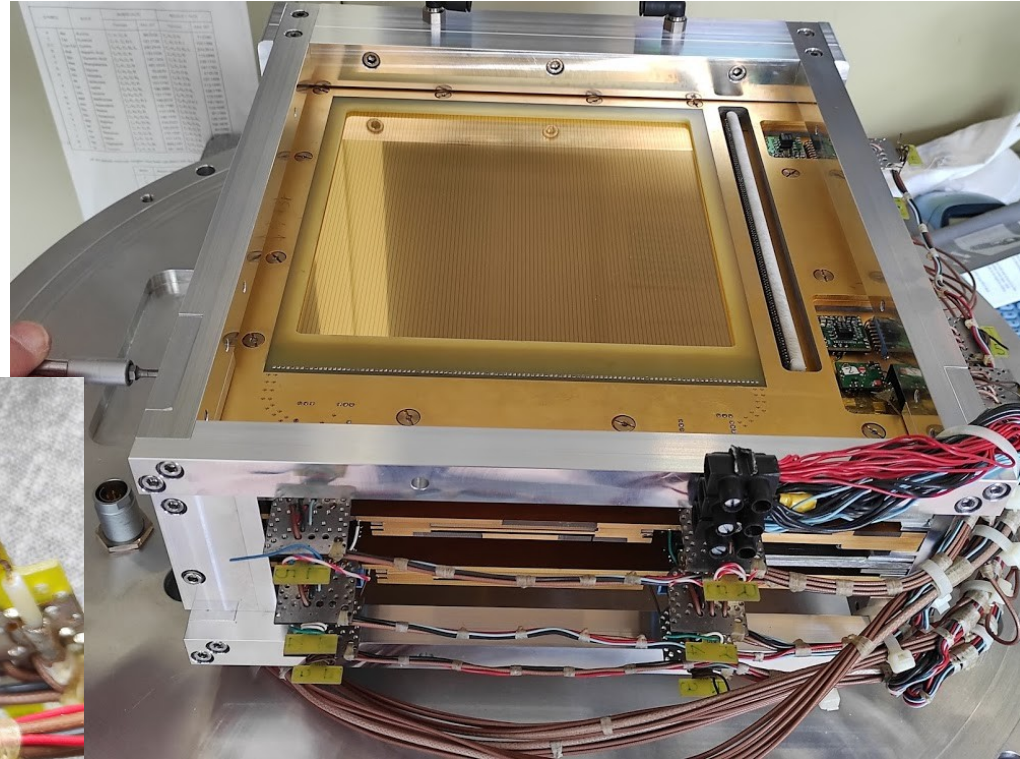
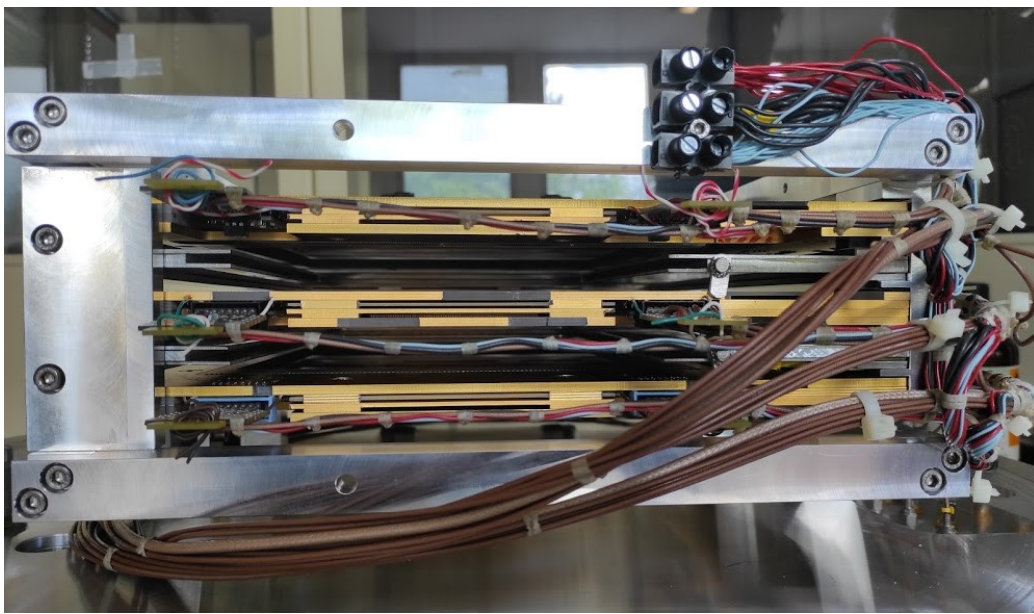
PPACMon1

@EAR1



PPACMon1

@EAR1



Present status:

- Assembling, cabling finished
- Electronic has been tested

PPACMon1

@EAR1



Present status:

- Assembling, cabling finished
- Electronic has been tested

Last tasks to be done @ Orsay:

- Cable the second gas regulation device
- Place the samples inside the chamber

Near future @ CERN

- The chamber is shipped from Orsay to CERN with samples inside (expected delivery on 7th July)
- Gas delivery

PPACMon1

@EAR1

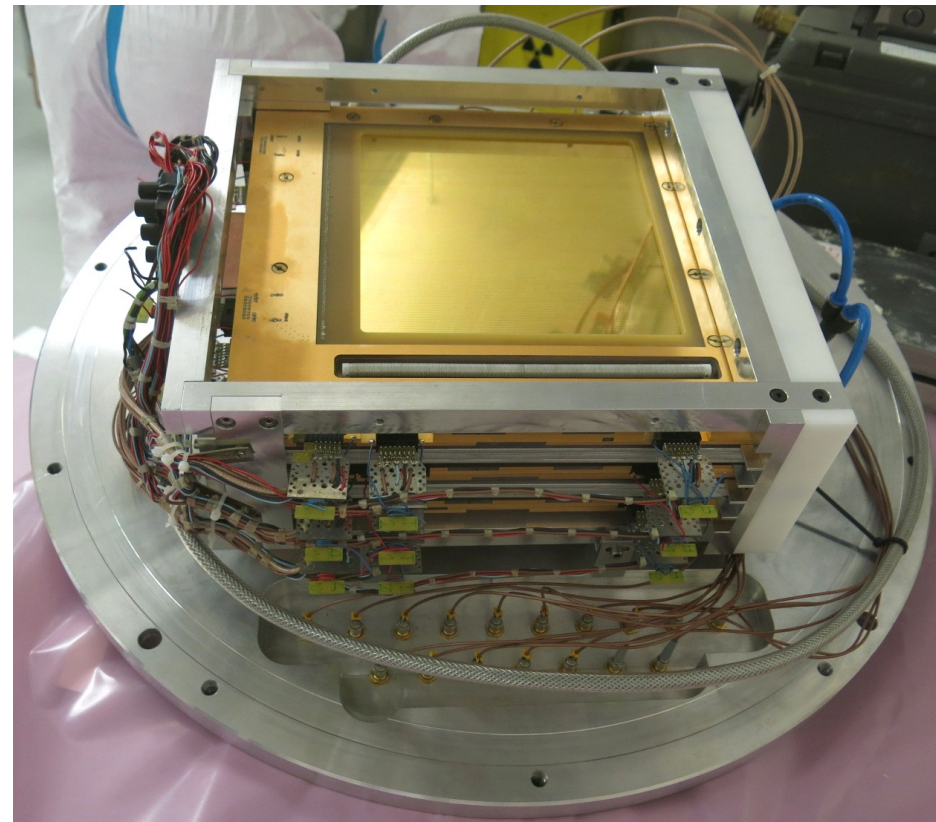
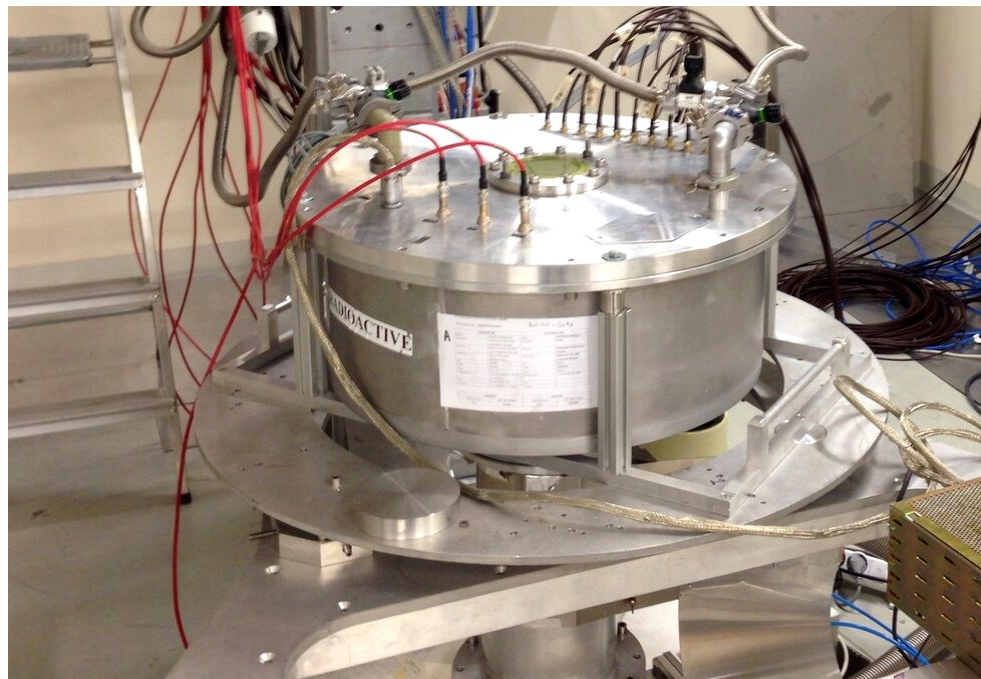
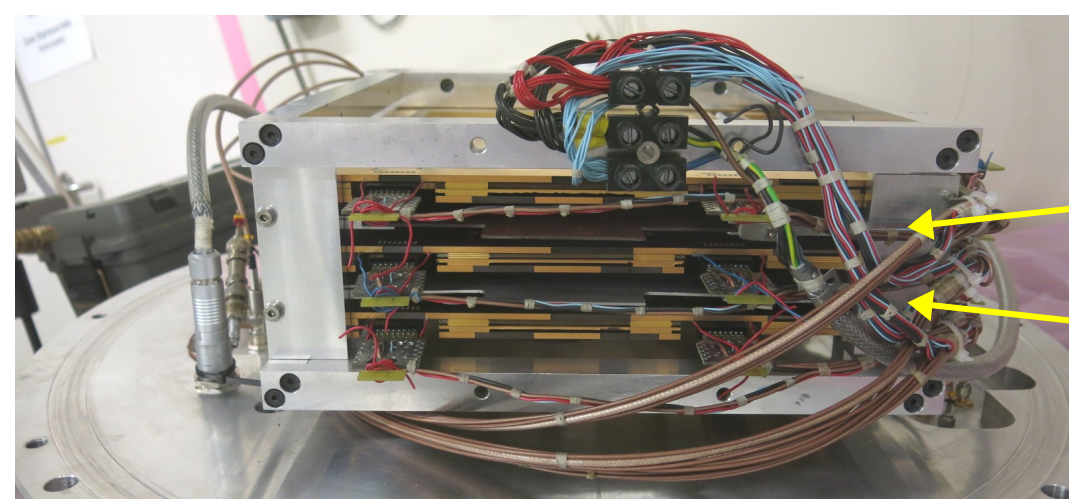


PPACMon2

@EAR2

^{235}U

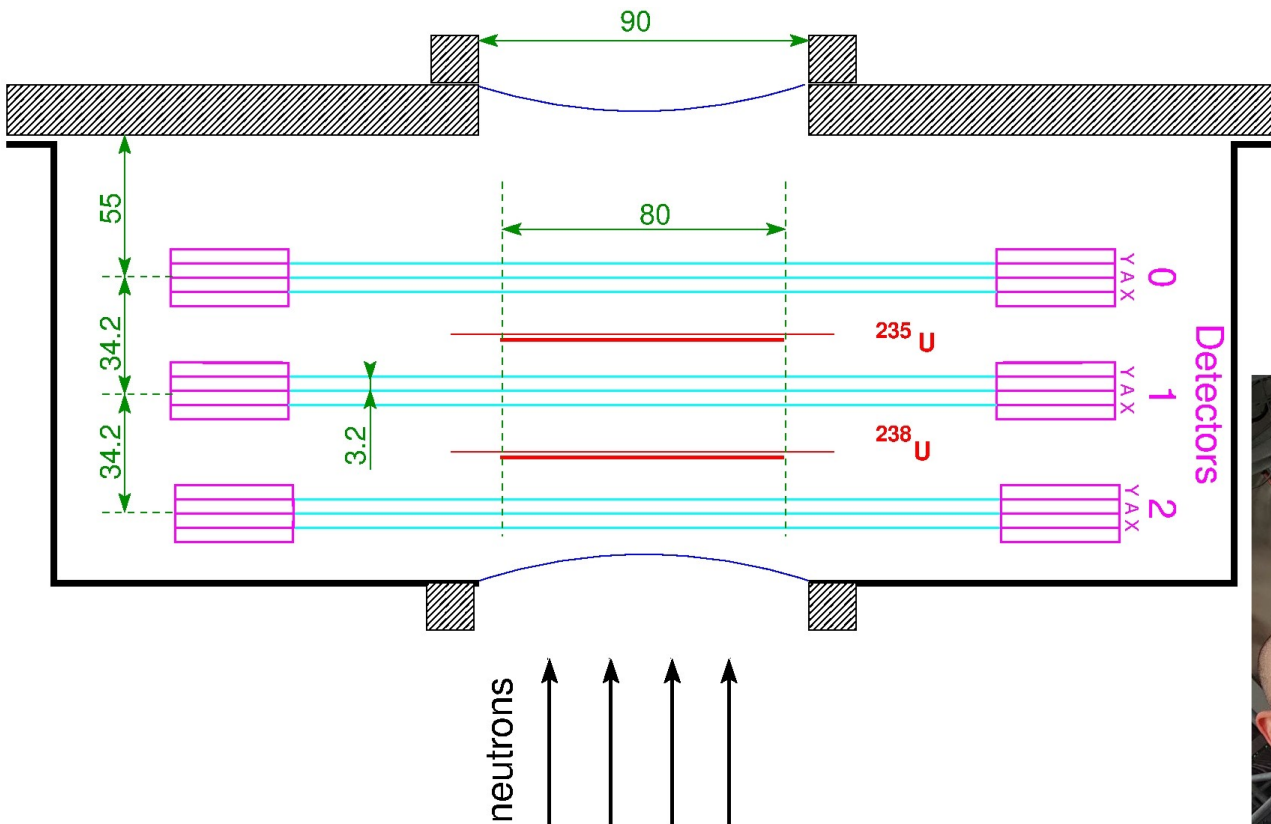
^{238}U



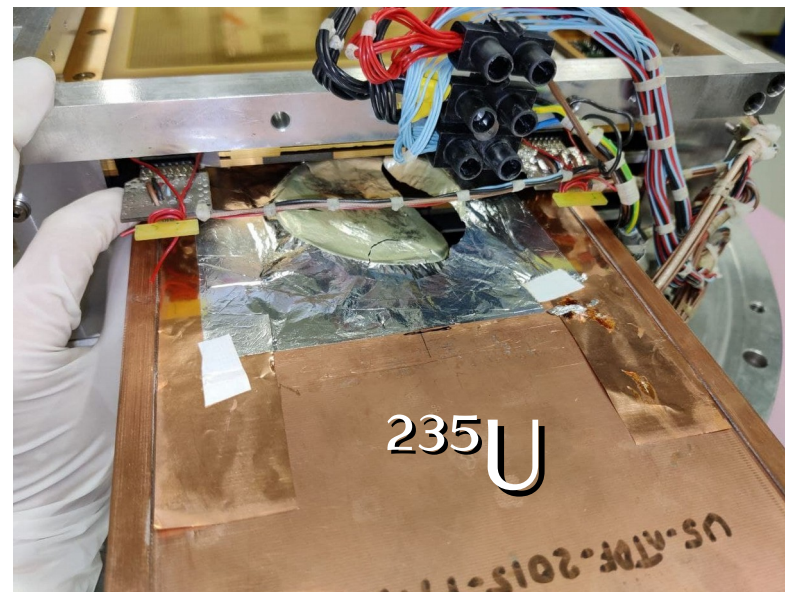
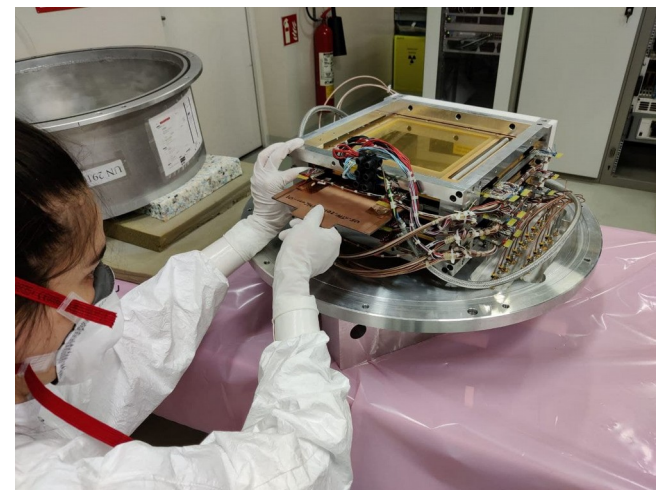
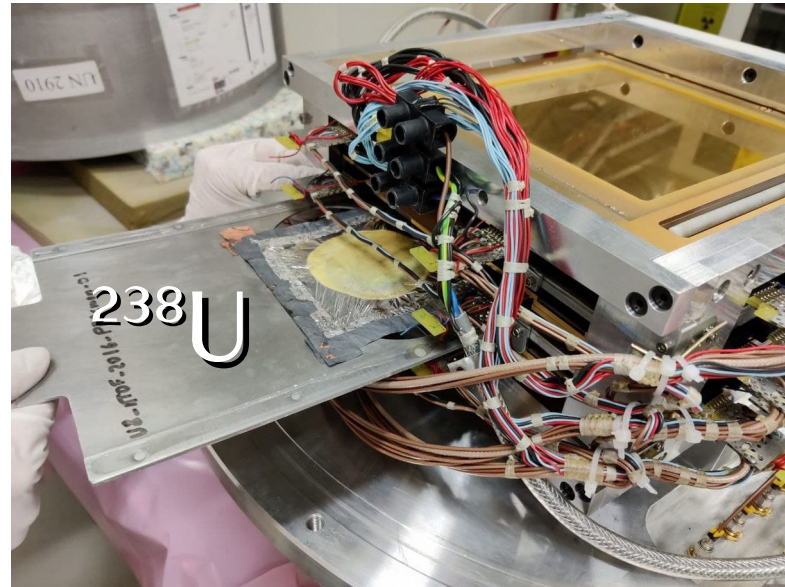
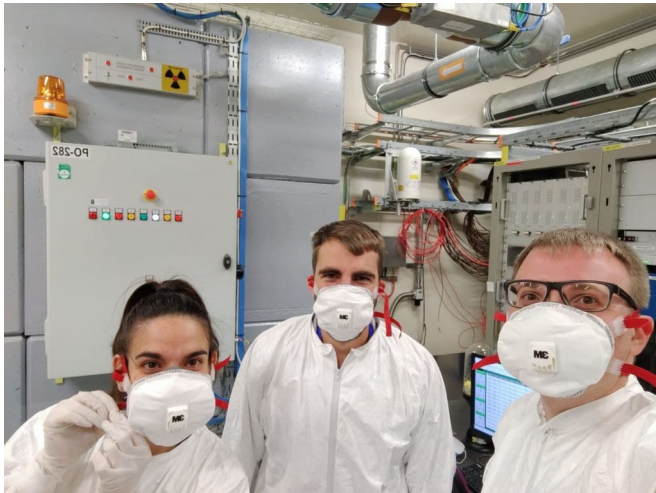
PPACMon2

@EAR2

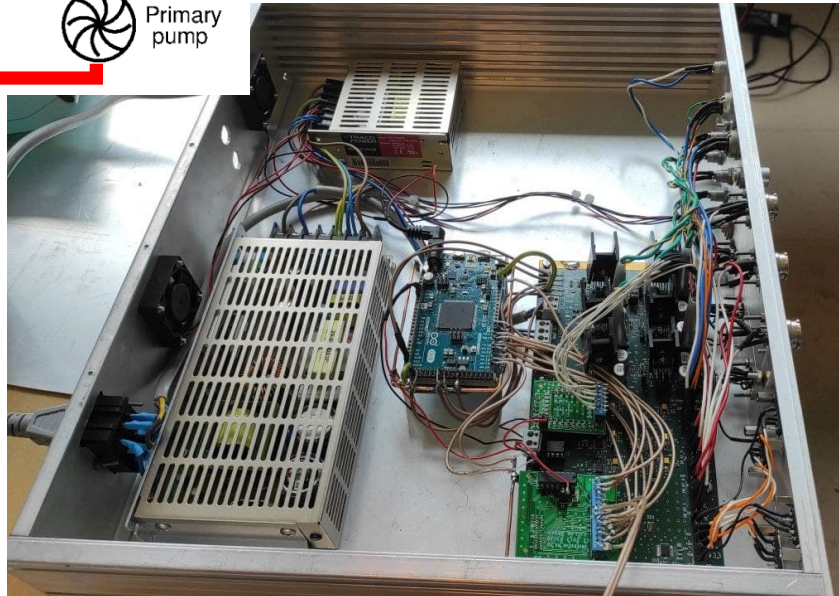
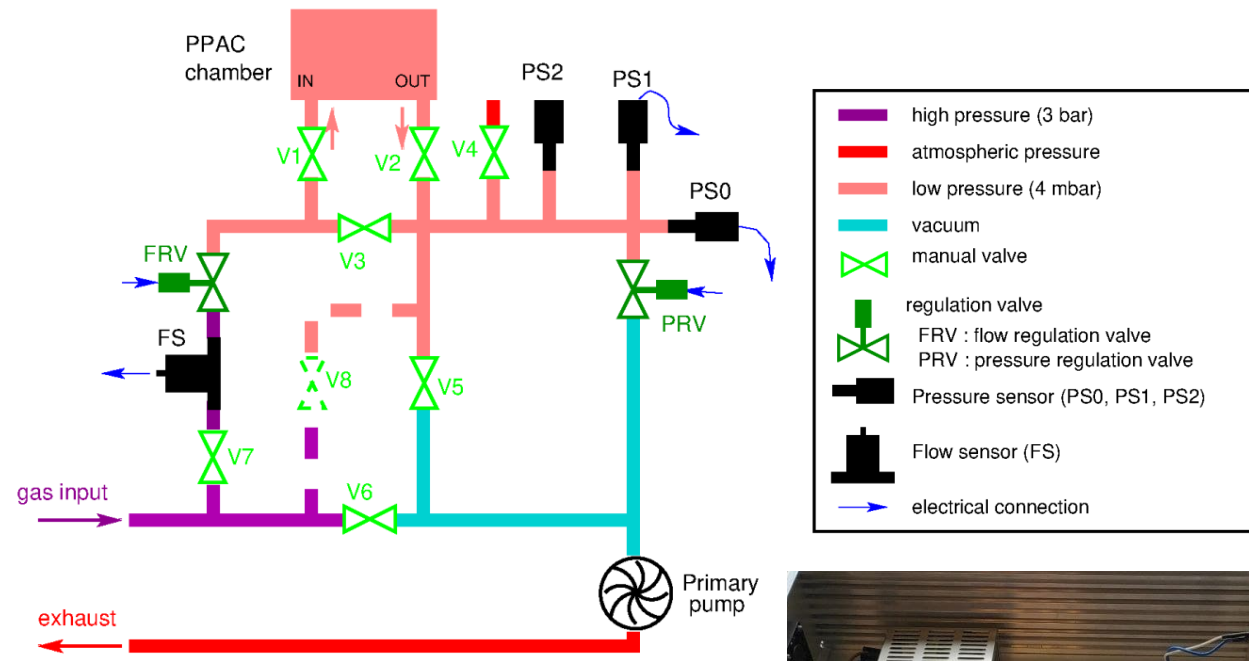
PPACMon2 is already at CERN with samples inside



PPACMon2 @EAR2



Gas Regulation

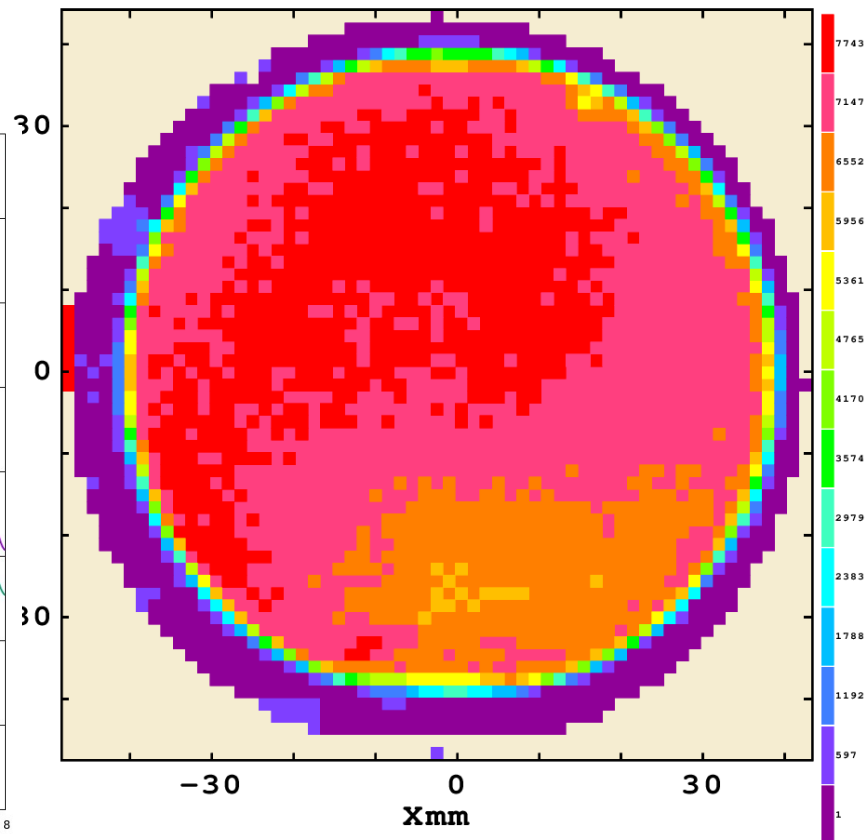
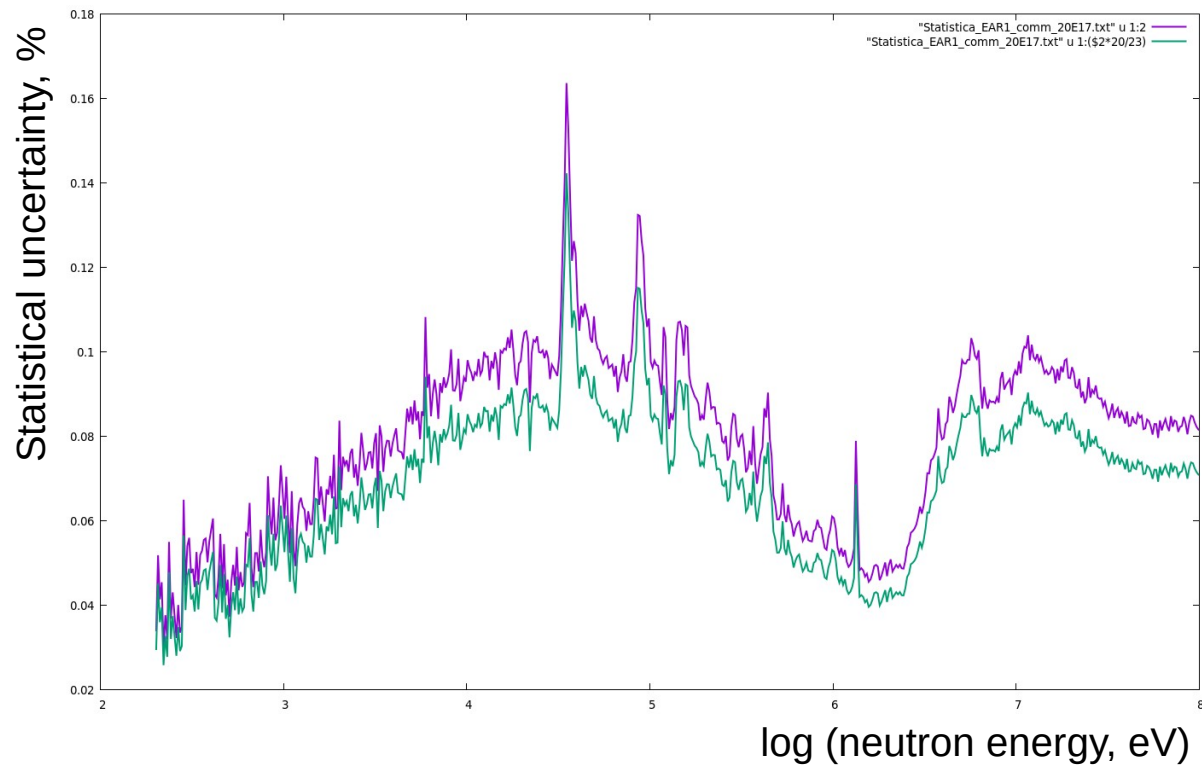


@EAR1

Samples

2 μm aluminium foil + 280 μm fission deposit

1. ^{235}U well characterized
2. ^{235}U not characterized




@EAR1

2 μm aluminium foil + 280 μm fission deposit

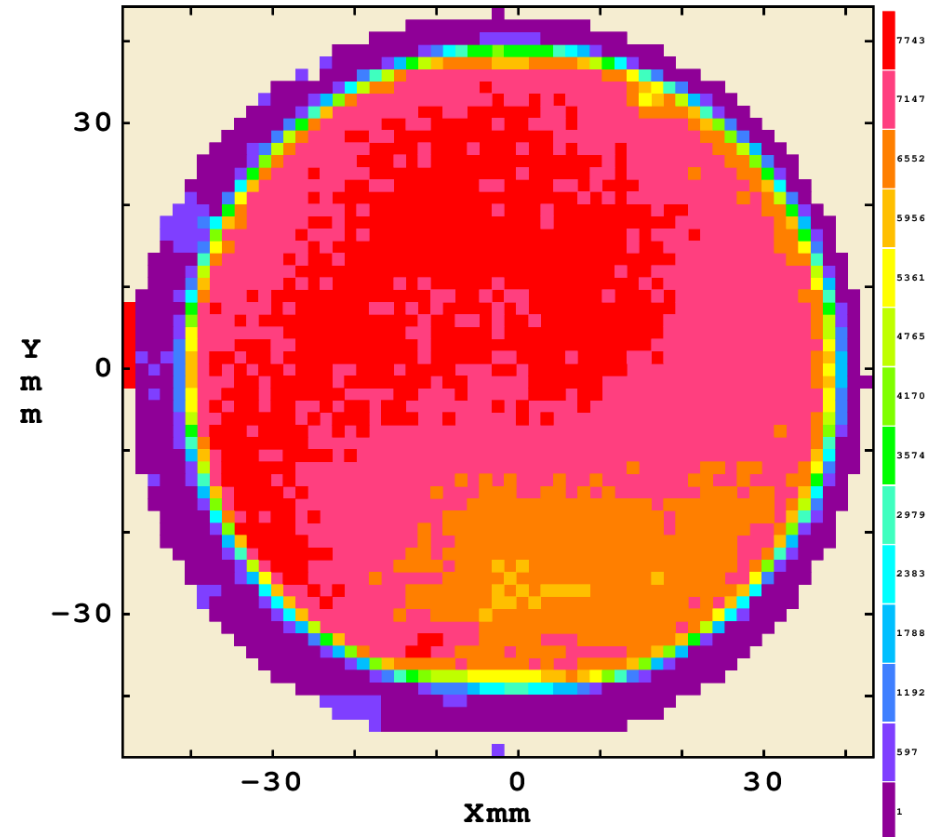
1. ^{235}U well characterized
2. ^{235}U not characterized

@EAR2

0.7 μm aluminium foil + 70 μm fission deposit

1. ^{235}U not characterized 
2. ^{238}U not characterized
→ for time-to-energy calibration

 Np?!?!?!?



Summary



PPACMon1:

ready @IJCLab with two ^{235}U samples inside
should arrive @CERN on the 7th of July



PPACMon2:

@CERN with a ^{235}U broken and a ^{238}U sample alive inside
it is needed the change of the broken sample



Gas Regulation:

one is ready - Laurent is completing second
both should arrive @ CERN on the 7th of July



Gas C_3F_8 :

there are not gas bottle available @CERN
order done but the bottles will arrive @CERN in August
→ we are trying to find something earlier





*Thank you for
your attention*