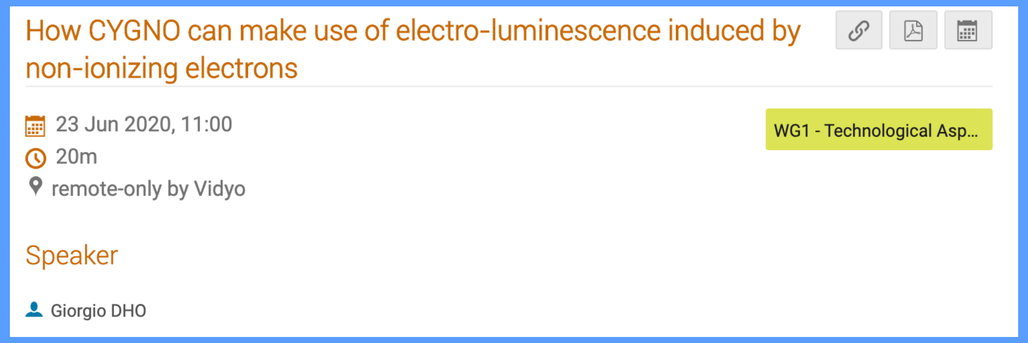
NEWS

In July we have to present Preventivi to INFN. So, I'd ask every RL to collect information about FTE (some new entry?) and financial requests to make an homogeneous plan.

We are in mid 2020, please check the local financial situations: make a plan for the rest of 2020 in order not to have leftovers. In case of new needs, ask.

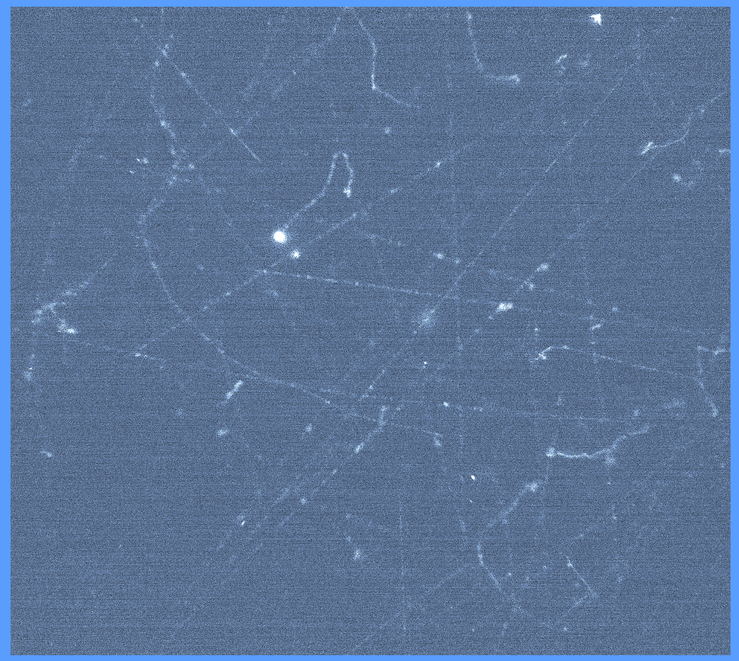
In last 2 days we had meeting with abroad colleagues (Dinesh Loomba USA, Sheffield Univ. UK, UFJF Brazil). They agreed to work with us in CYGNO project.

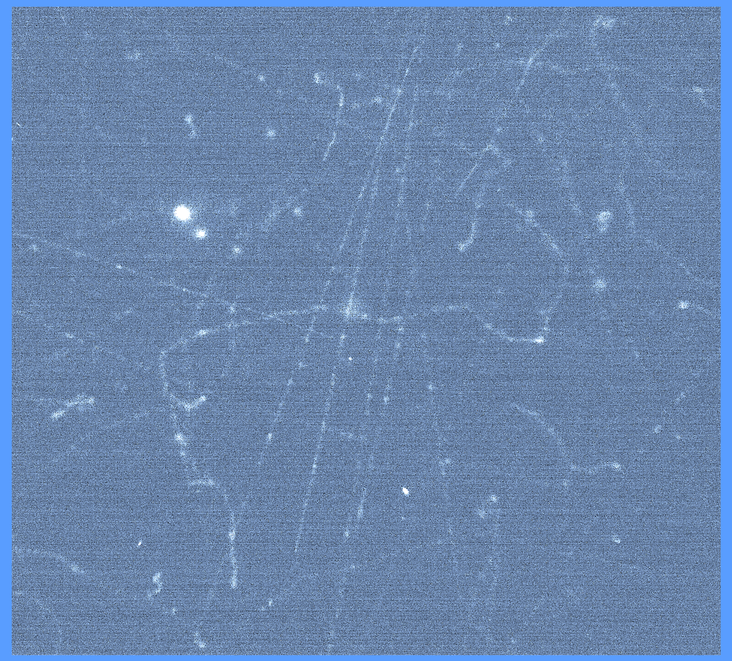
Next week there will be RD51 Coll Meeting.

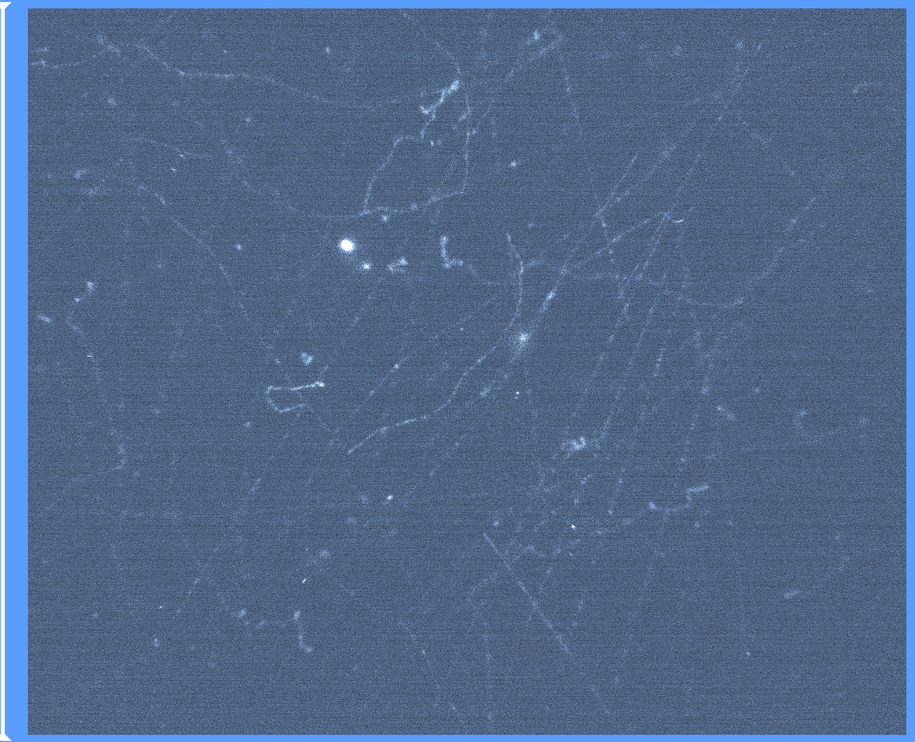


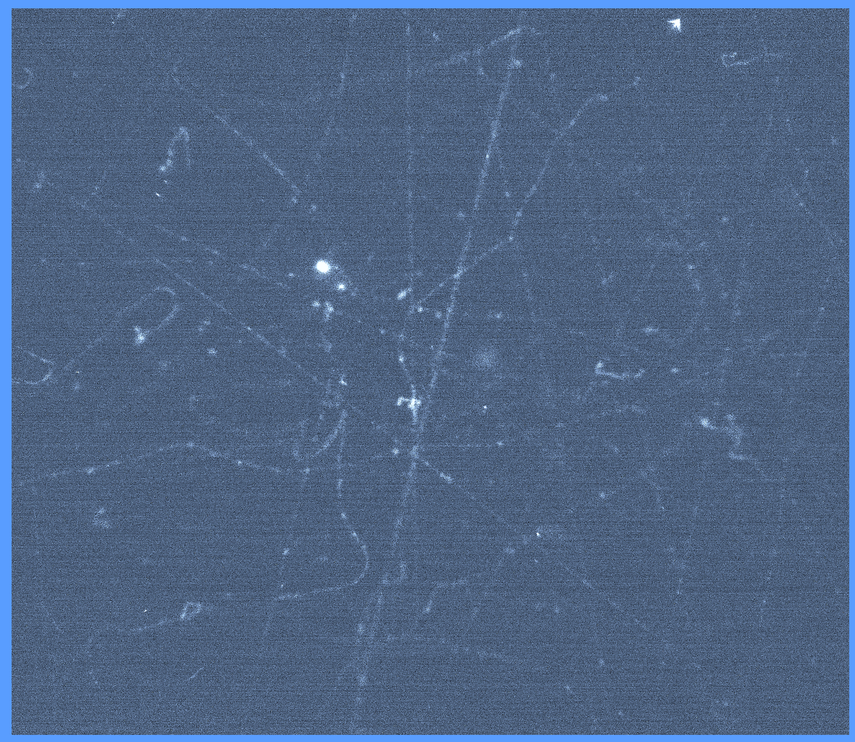
LIME

- 50 cm drift parth
- 1000 cm^2 sensitive area
- 50 litre sensitive volume





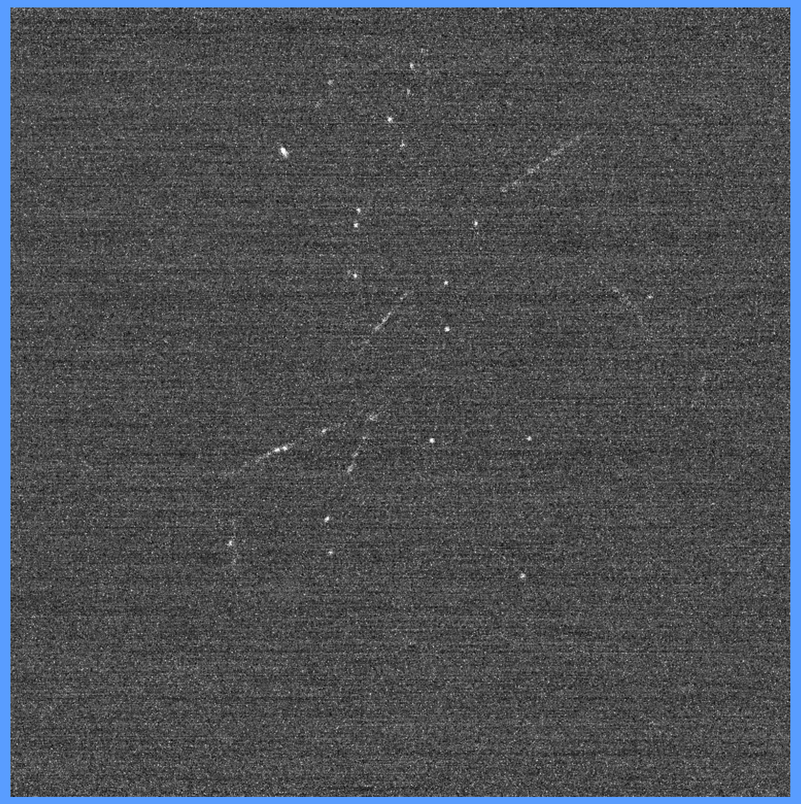




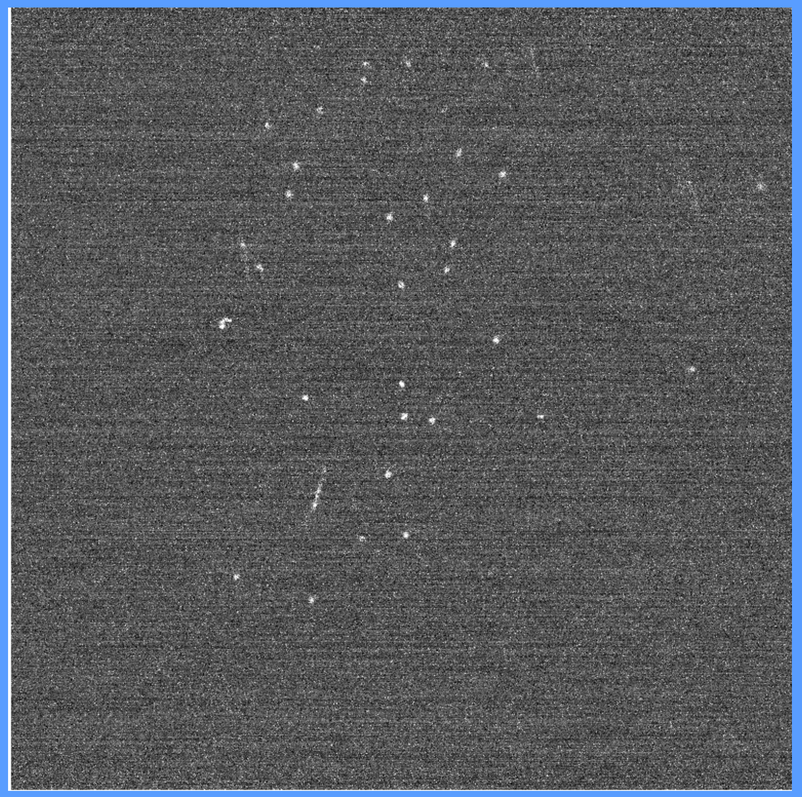
33 cm

LIME - ^{55}FE SPOTS - ZOOM

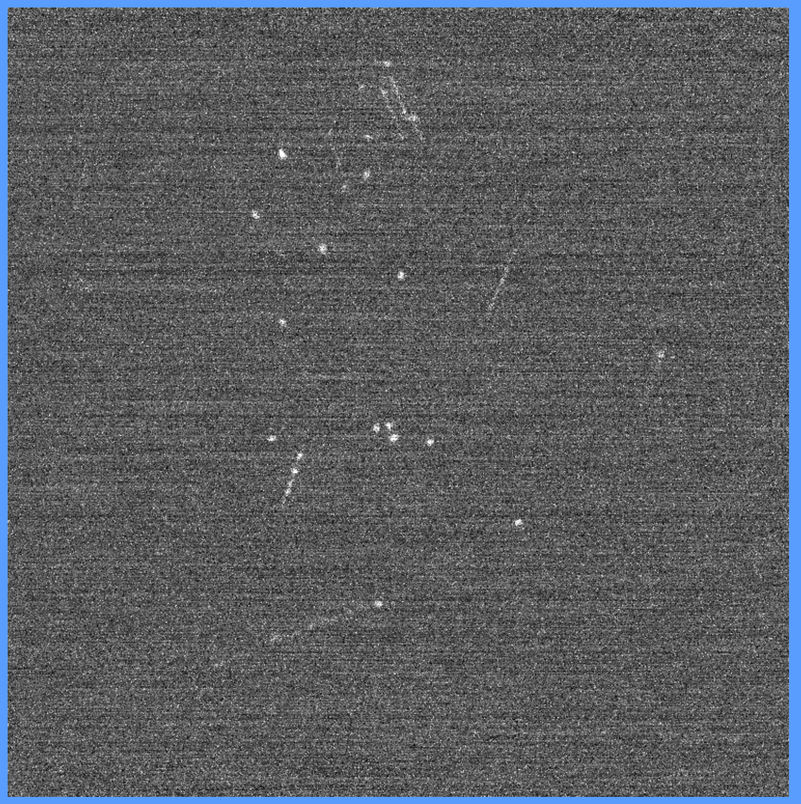
- 5 cm from GEMs



- 20 cm from GEMs



- 45 cm from GEMs

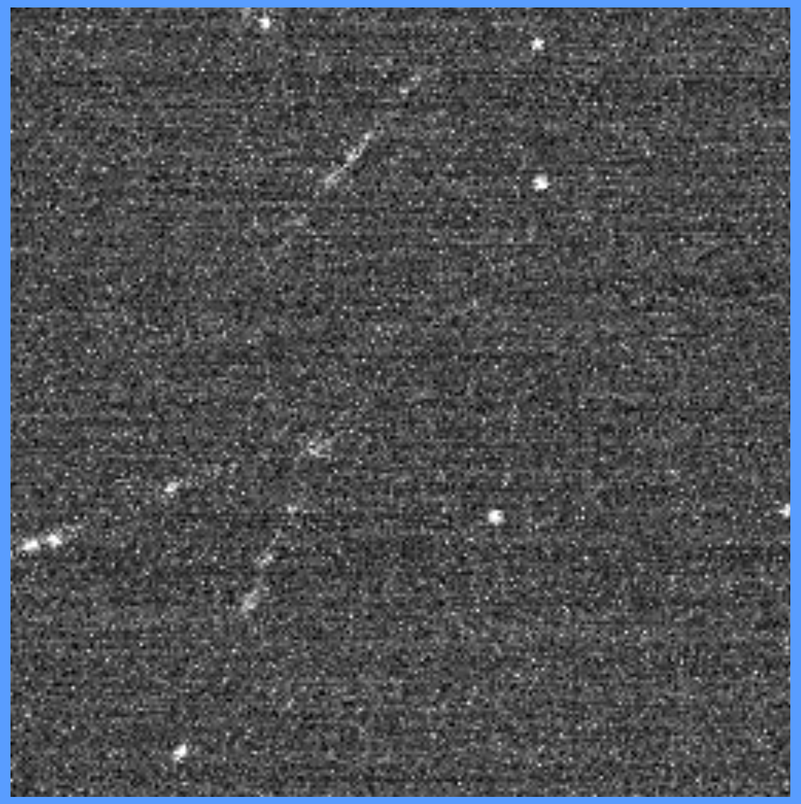


V_{GEM} = 440, E_D = 0.8 kV/cm

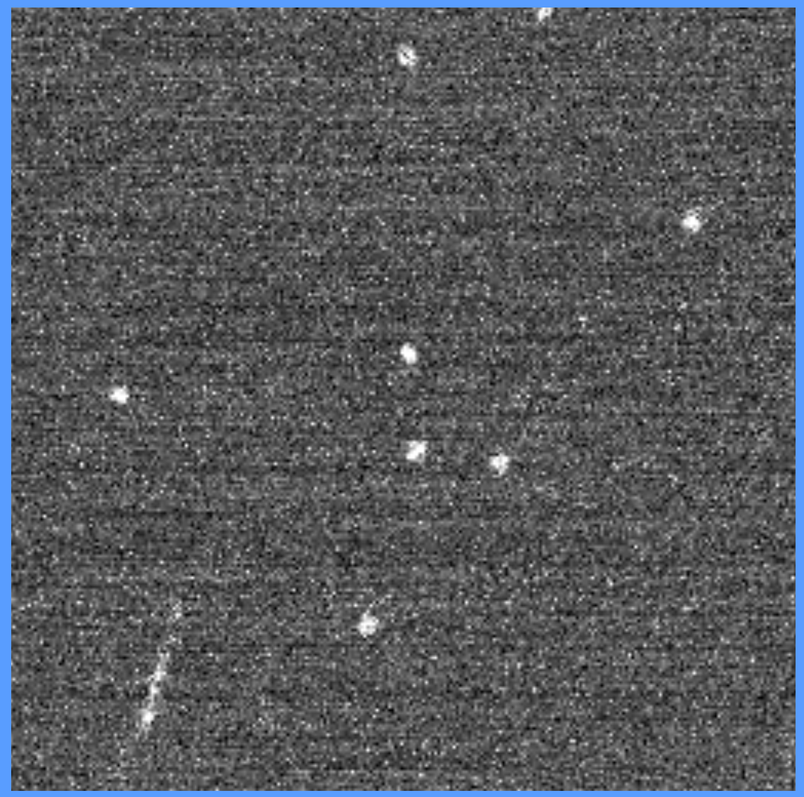
No evidence of efficiency loss (Pinci Method)

LIME - ^{55}FE SPOTS - ZOOM

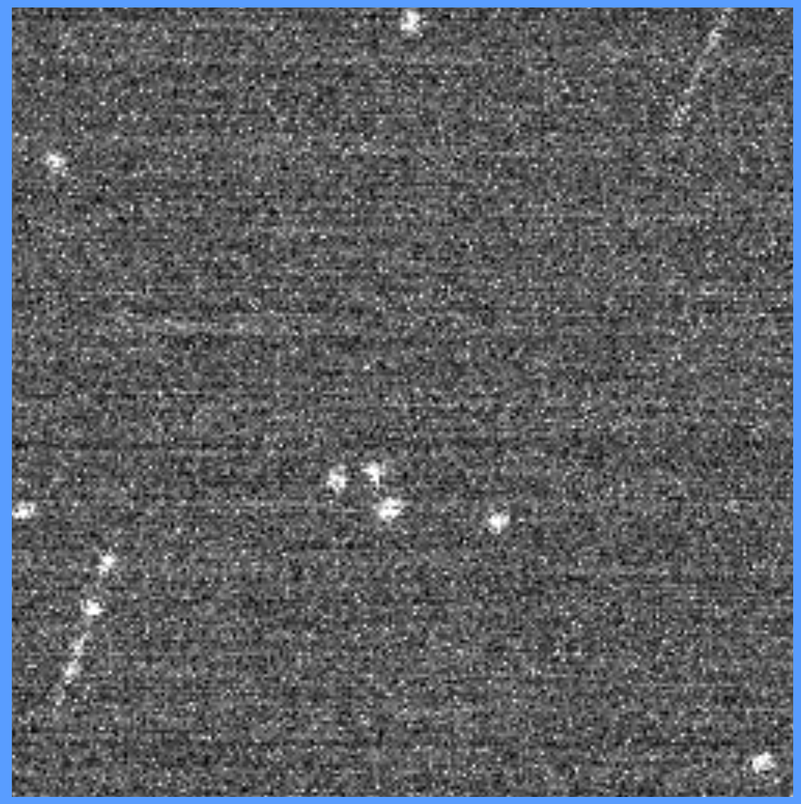
- 5 cm from GEMs



- 20 cm from GEMs



- 45 cm from GEMs



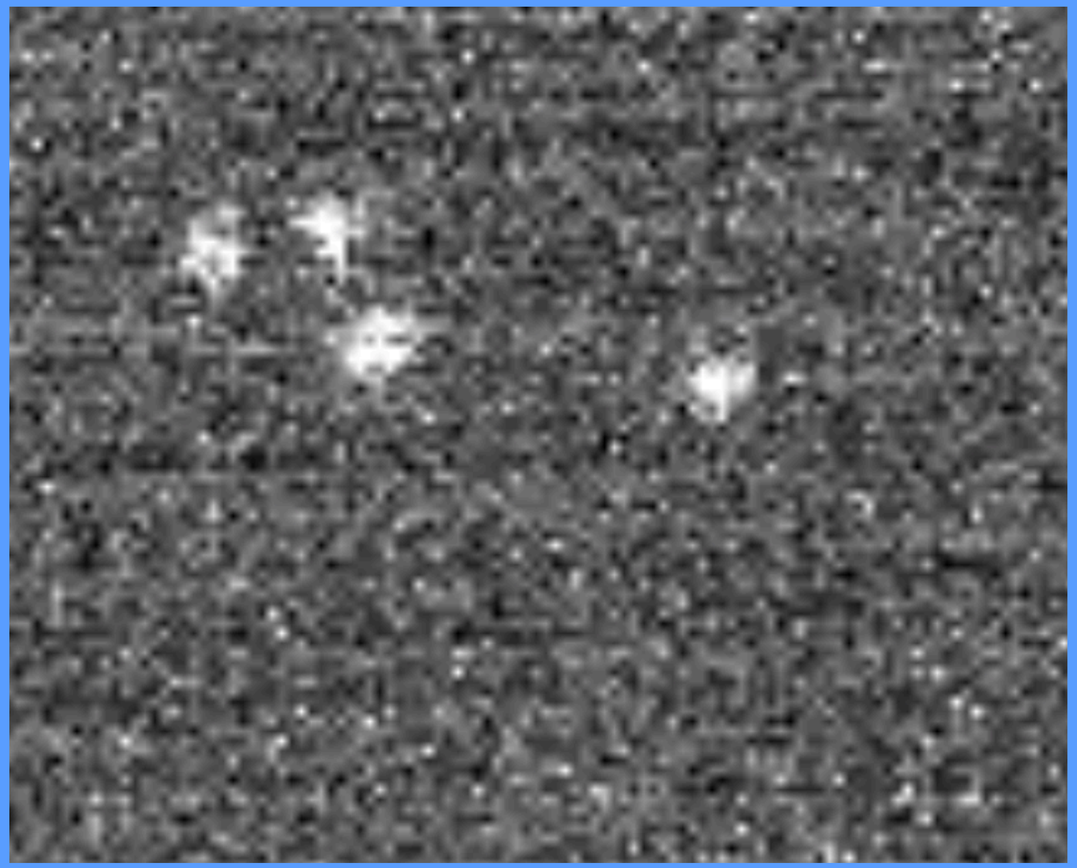
V_{GEM} = 440, E_D = 0.8 kV/cm

Diffusion effect visible

LIME - ^{55}FE SPOTS - ZOOM

- 45 cm from GEMs

V_{GEM} = 440, E_D = 0.8 kV/cm



Spot size around 2.5-3.0 mm

Plans:

- We took also few cosmic runs (3000 events)
- More detailed analysis will start;
- As soon as LIME-trolley will be ready, we move it in lab to test with ^{137}Cs and AmBe source;