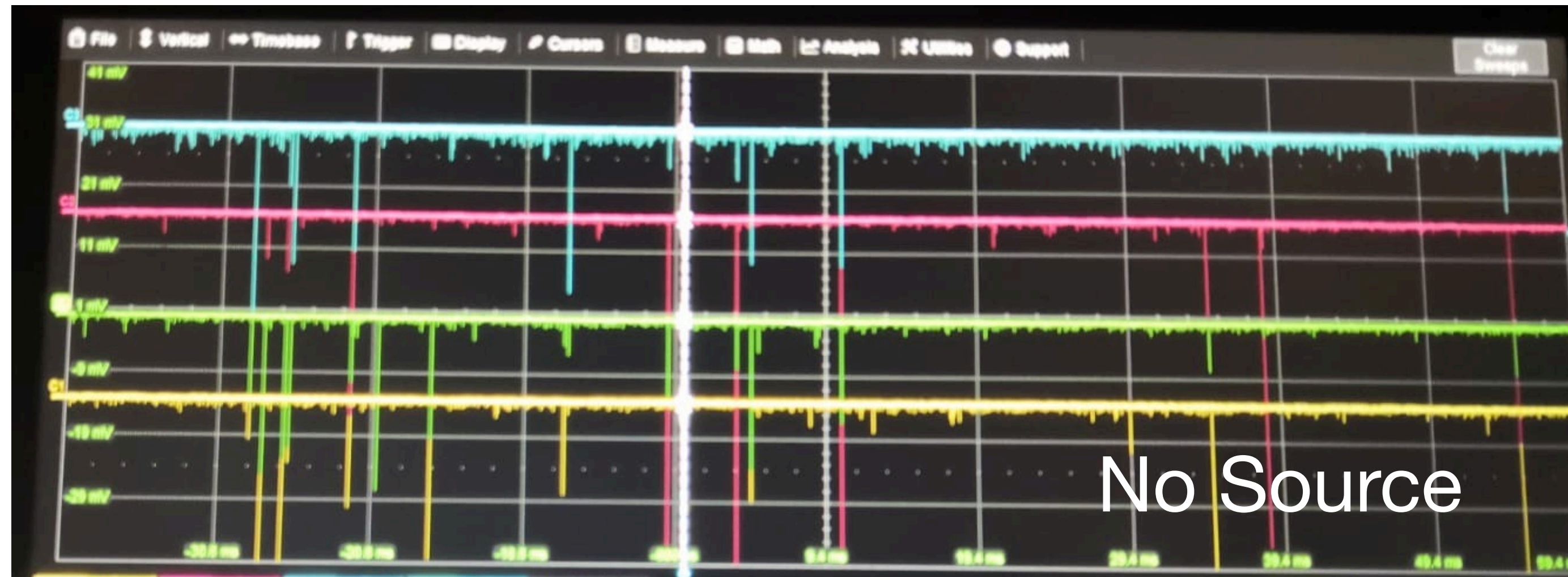


News

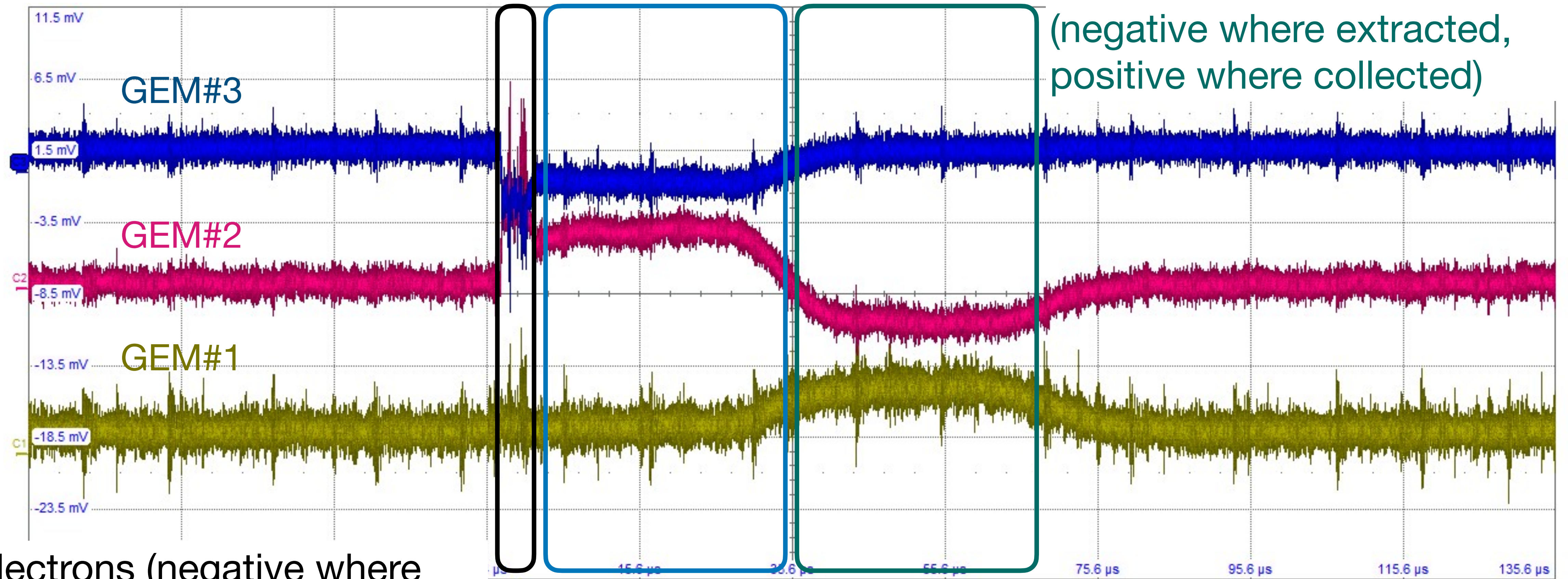
LIME is back

PMT were installed (with forced ventilation) and checked: Ok.



LIME is back

We checked and understood (feat. Chiara and Donatella) the GEM electrical signals:



Ion back flow from G2-G1
(negative where extracted,
positive where collected)

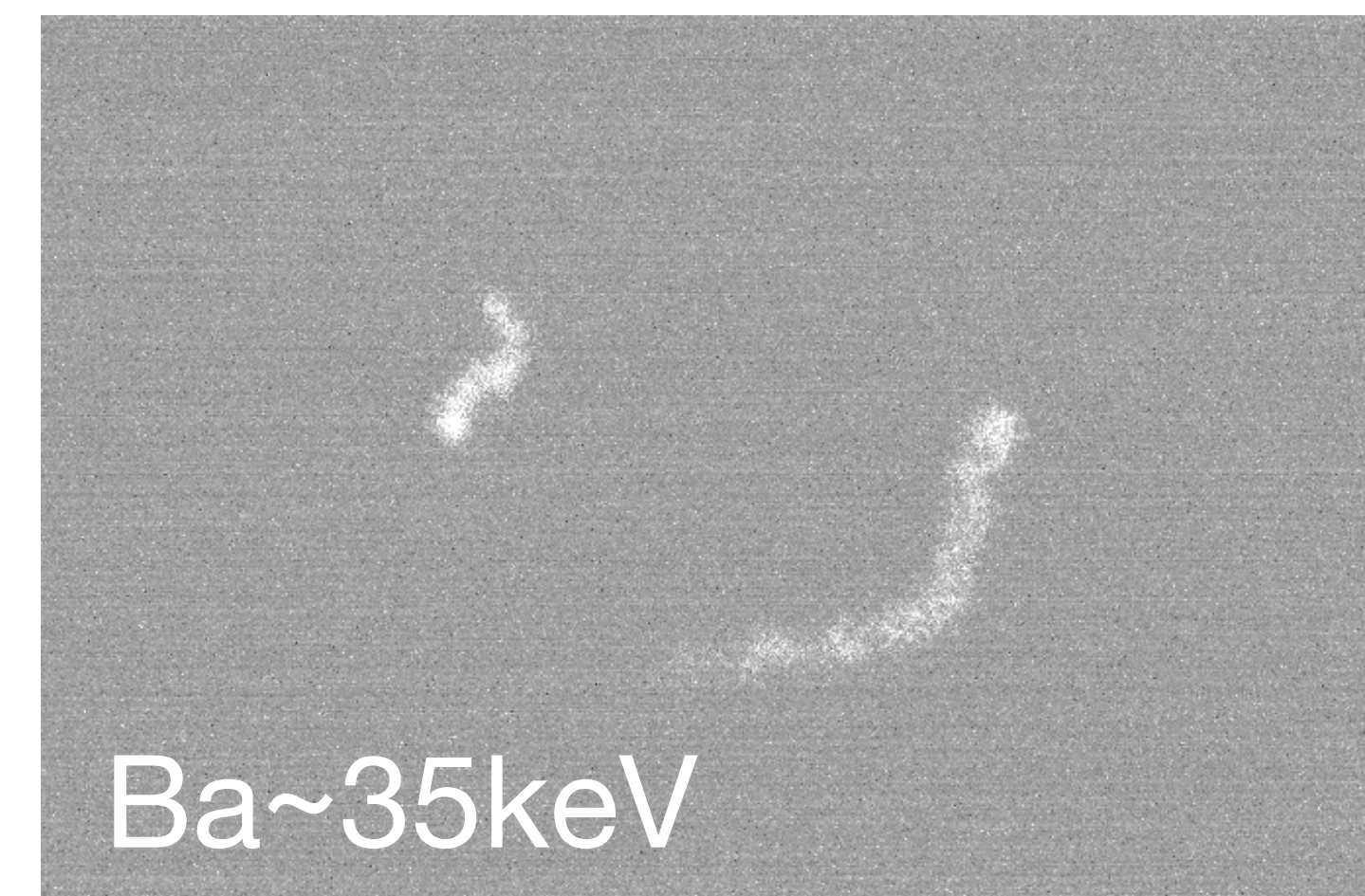
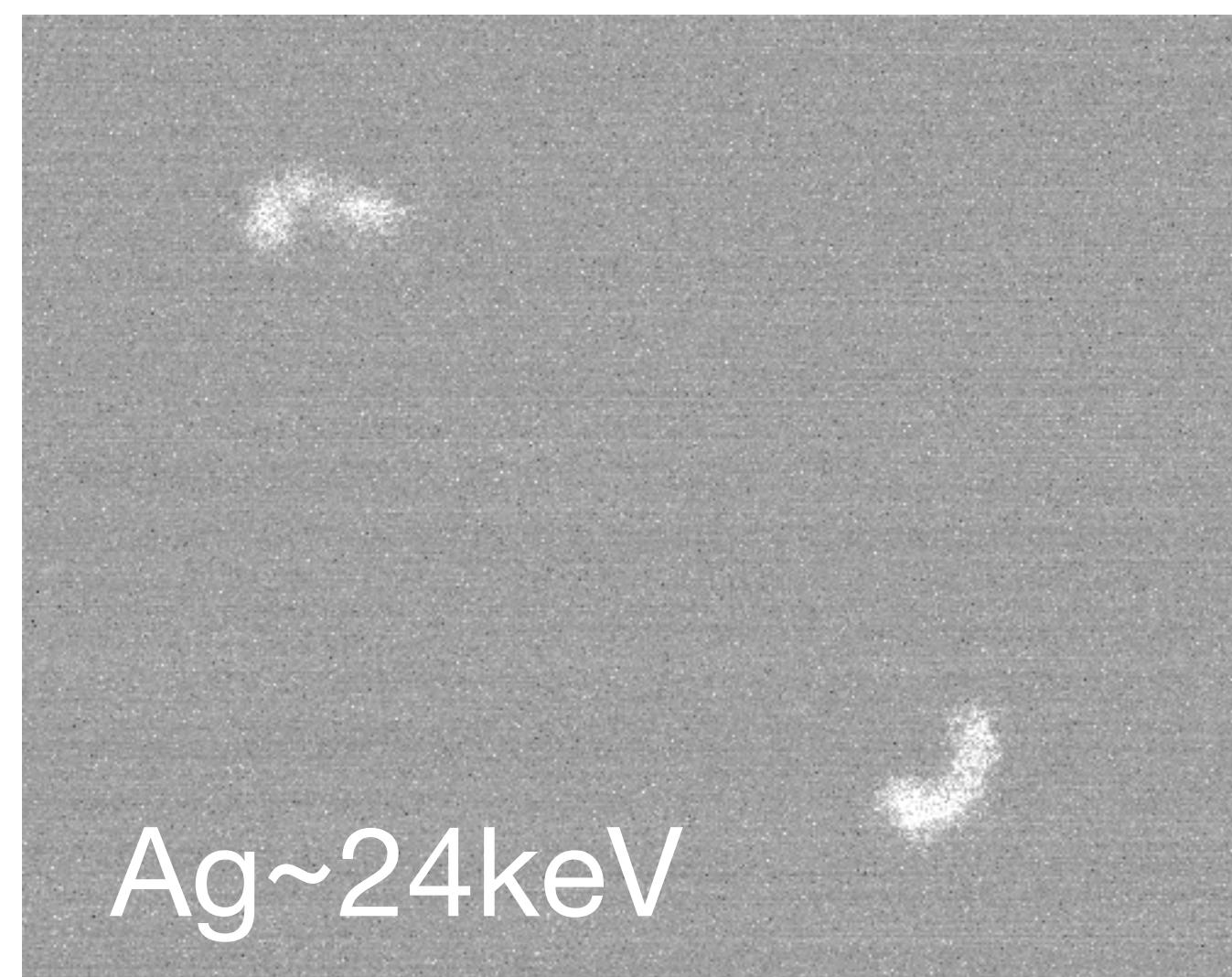
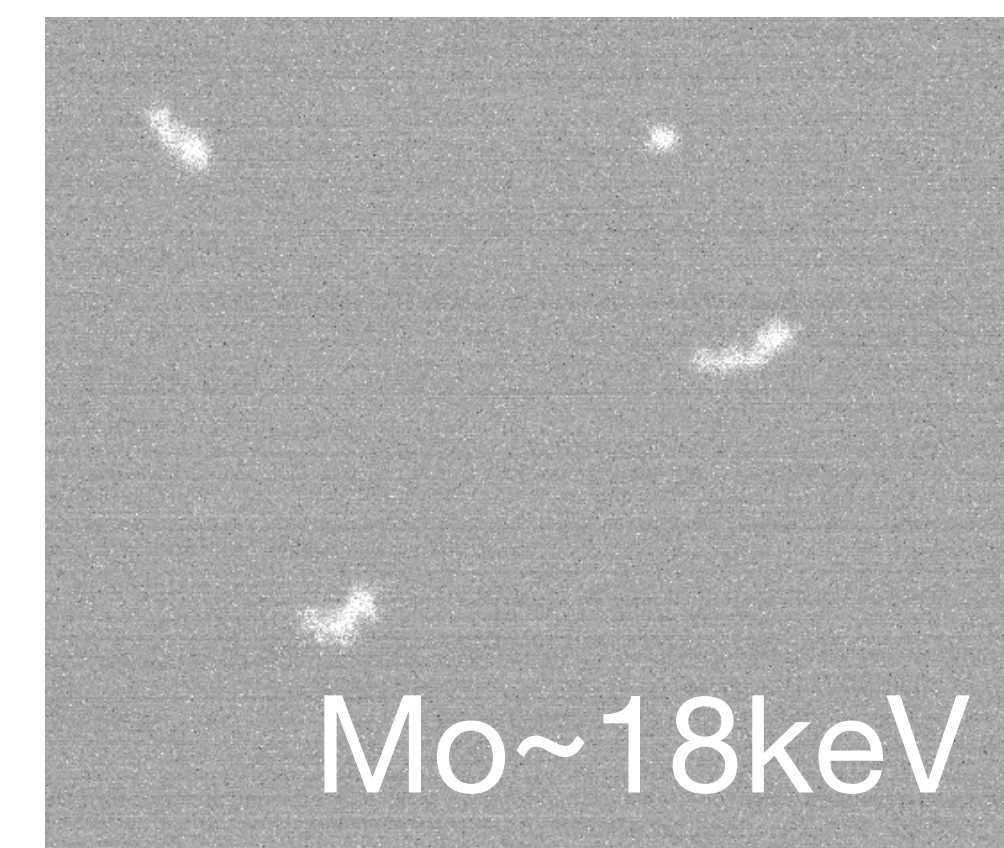
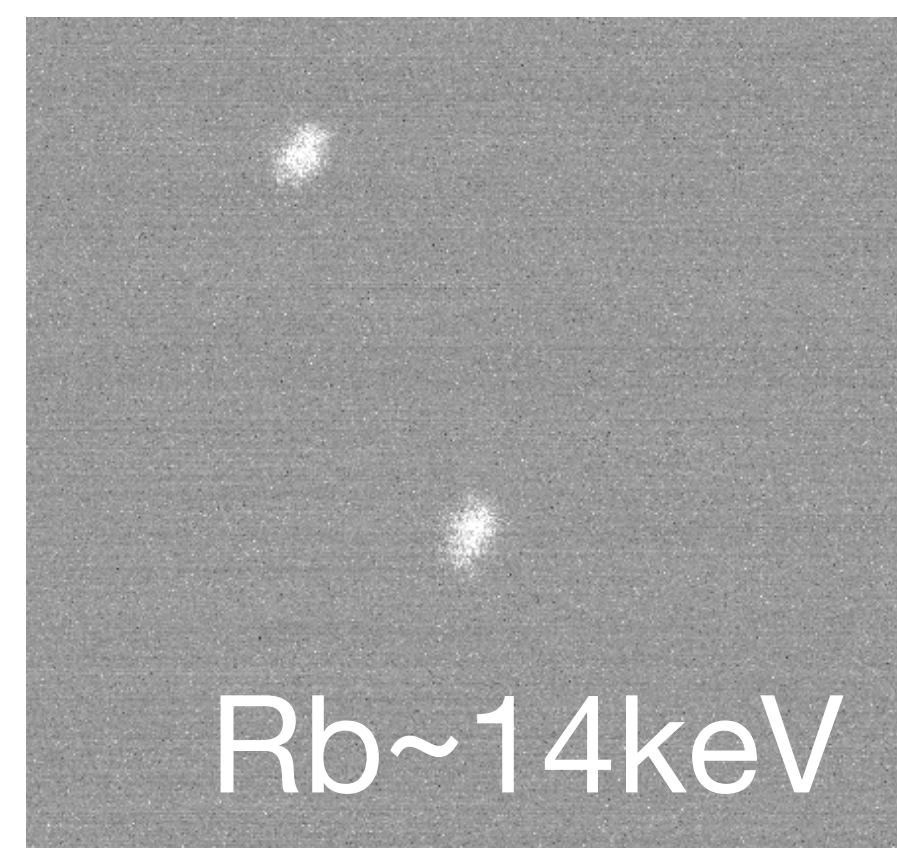
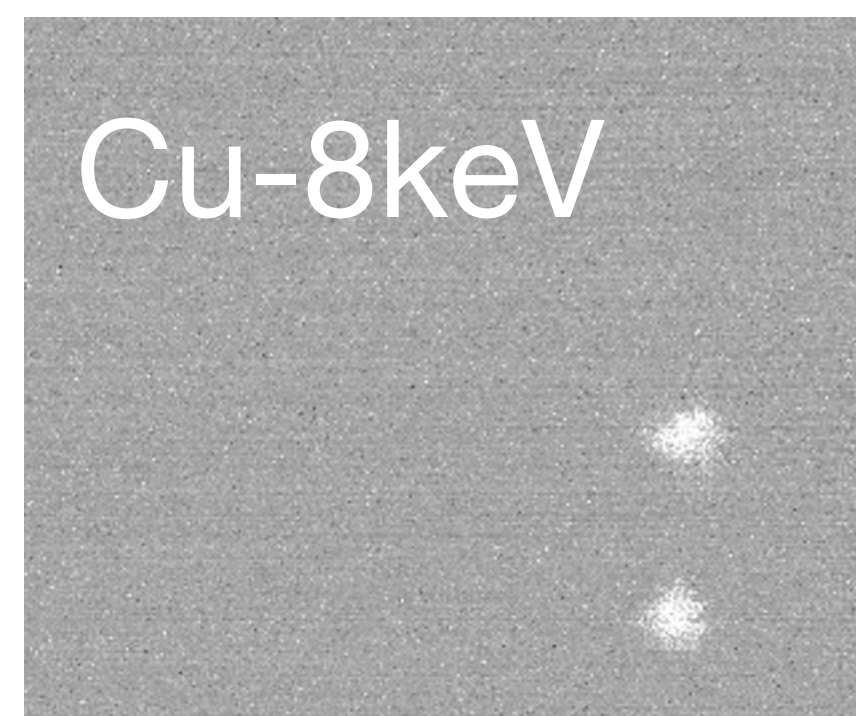
Electrons (negative where
collected, positive where
extracted)

Ion back flow from G3->G2
(negative where extracted, positive
where collected)

LIME is back

We made a preliminary test with the selectable Xray source:

Target	Energy (keV)	Photon Yield (#/sec/steradian)	
Selected	K_alpha	K_beta	
Cu	8.04	8.91	2,500
Rb	13.37	14.97	8,800
Mo	17.44	19.63	24,000
Ag	22.10	24.99	38,000
Ba	32.06	36.55	46,000
Tb	44.23	50.65	76,000

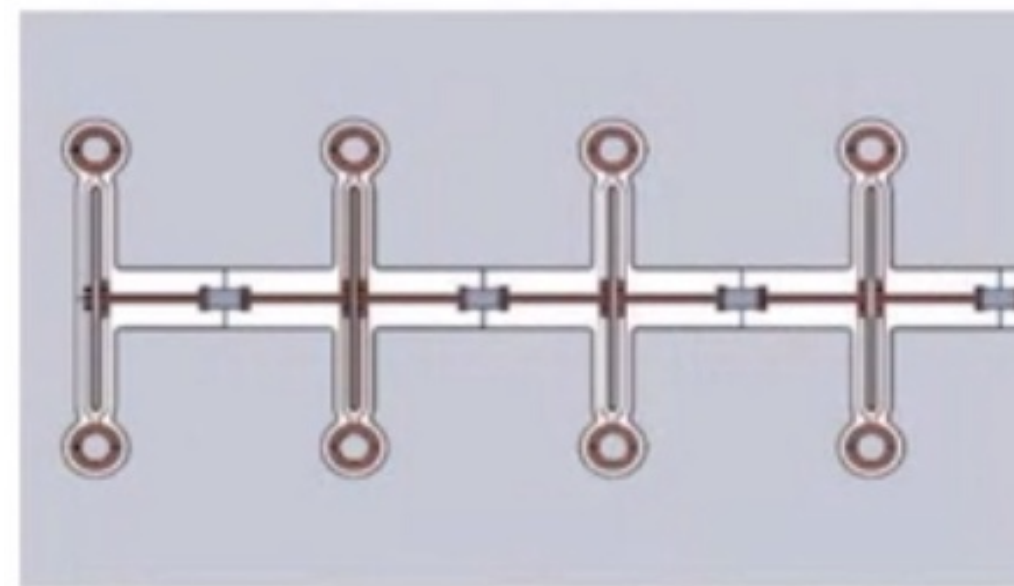
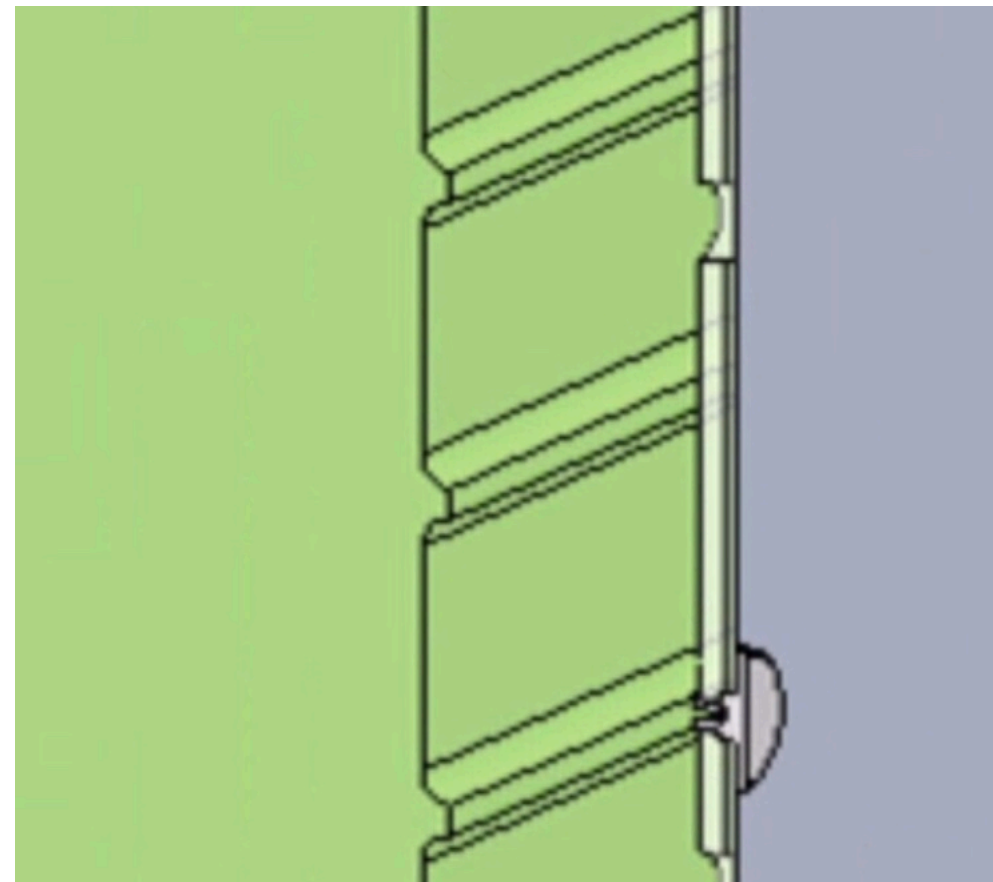


Disclaimer: spots choice strongly biased by my expectations

Other news

LOBRE: for a **custom lens** based on low radioactive crystal (Suprasil): 5k for a feasibility study + 15k for design + 15k for prototype;

DARKSIDE: for “**copperless**” FC: we could shape the acrylic box and paint it with clevios



They can indicate low radioactive resistors

TELEDYNE: to study a possible **modification of the sensor** to reduce radioactivity. They will try to understand where the ^{40}K on the sensor comes from (see Elisabetta's talk).