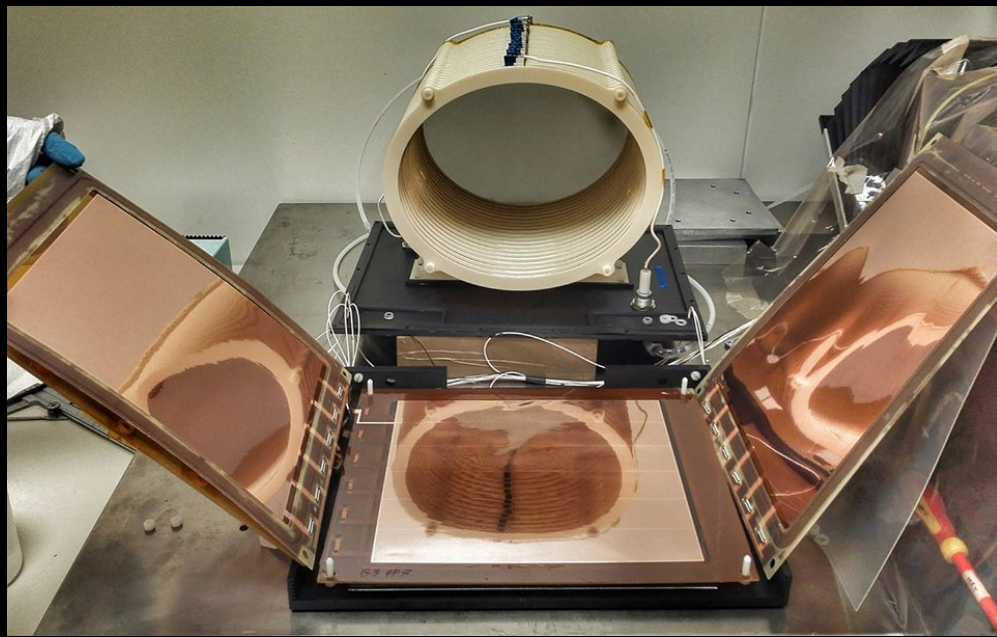


HIGH RESOLUTION TPC BASED ON OPTICALLY READOUT GEM

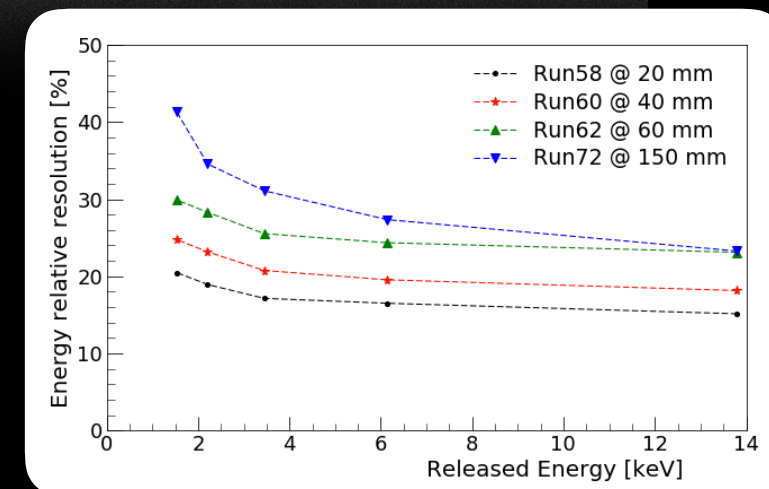
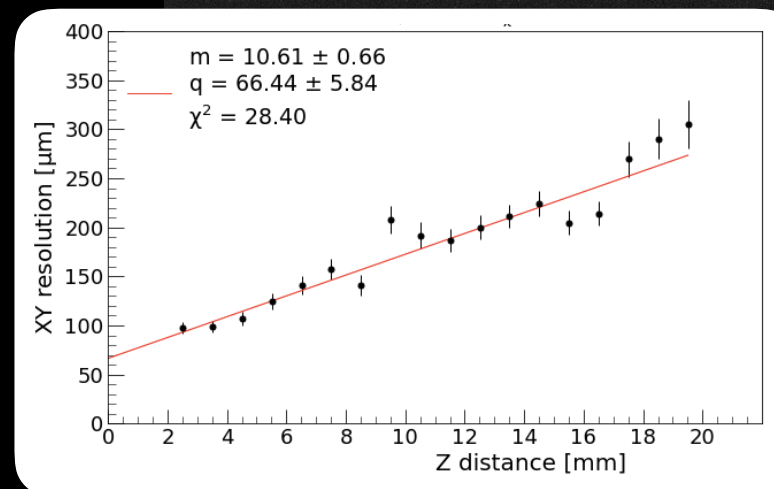
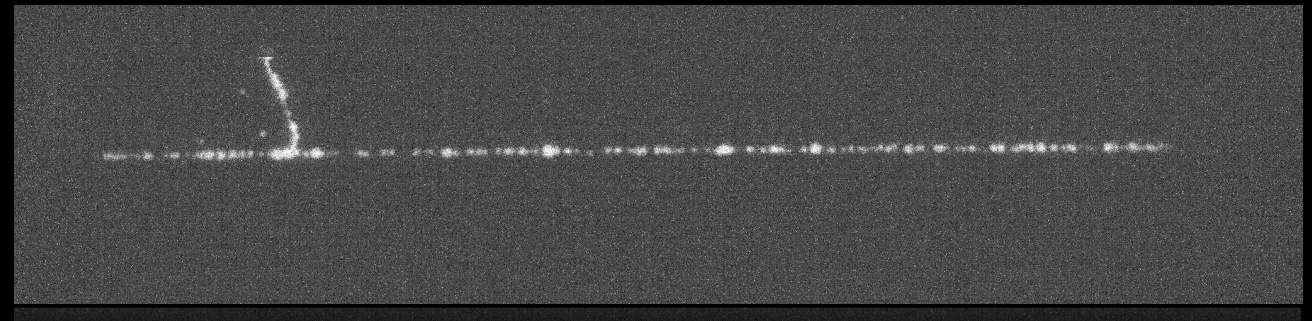
Daide Pinci



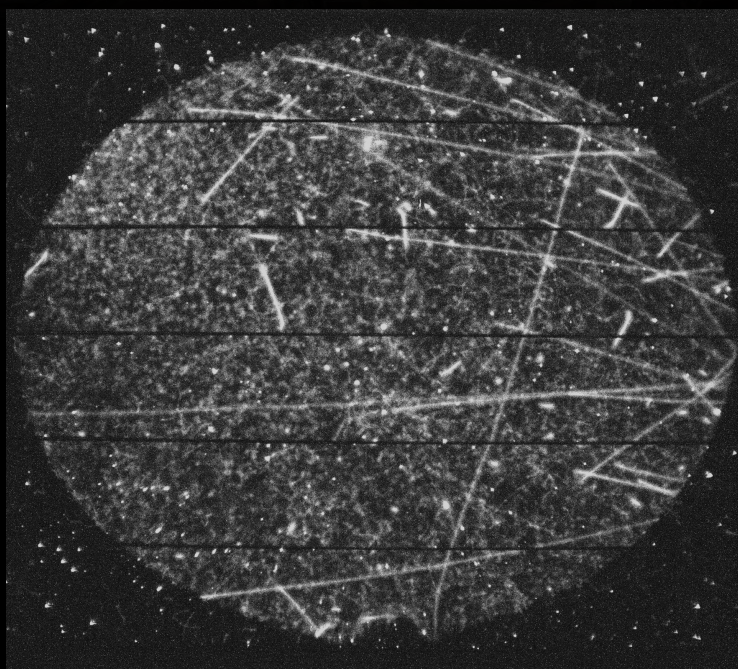
Results of test of a 7 litre volume TPC equipped with a Triple GEM amplification stage are presented;



Sensitive volume with the field cage and the three GEM during the assembly



Space and Energy resolutions were evaluated with mips.
In the keV range an Energy resolution of 20%-30% is achieved



Detector was exposed to low and high energy photon and neutron source.
A simple PID algorithm based on light density allows to separate the three particles.

