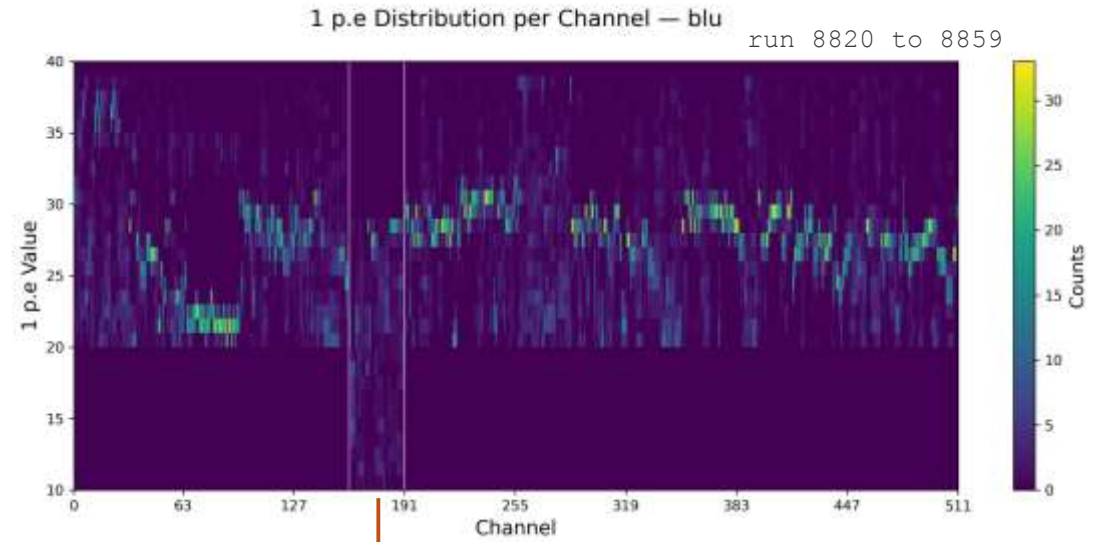
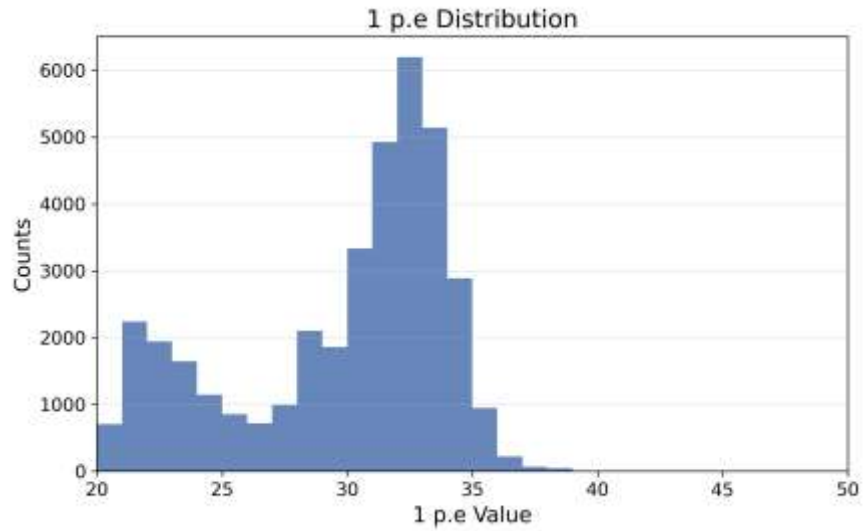


Digitalization Study

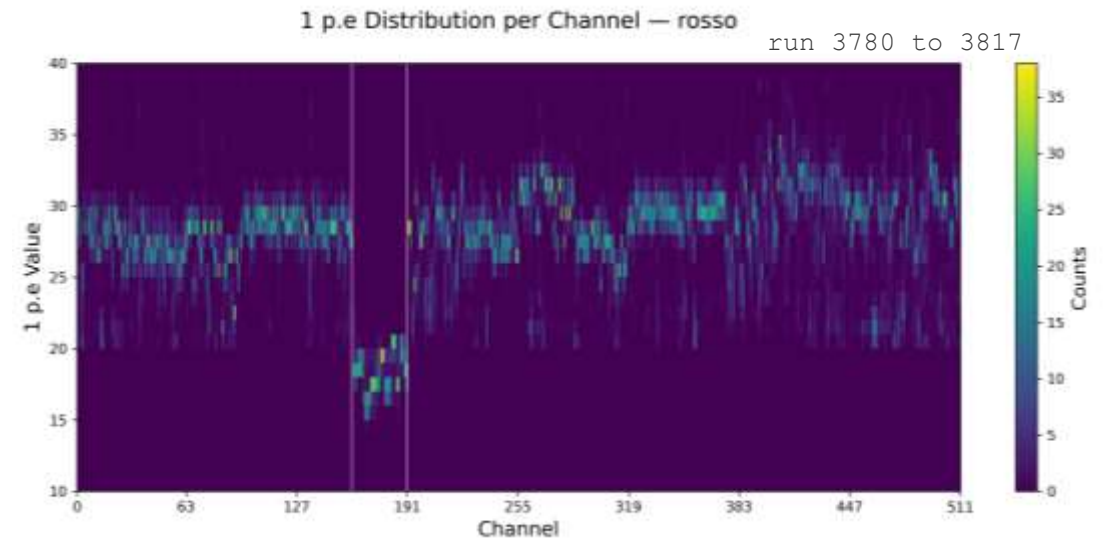
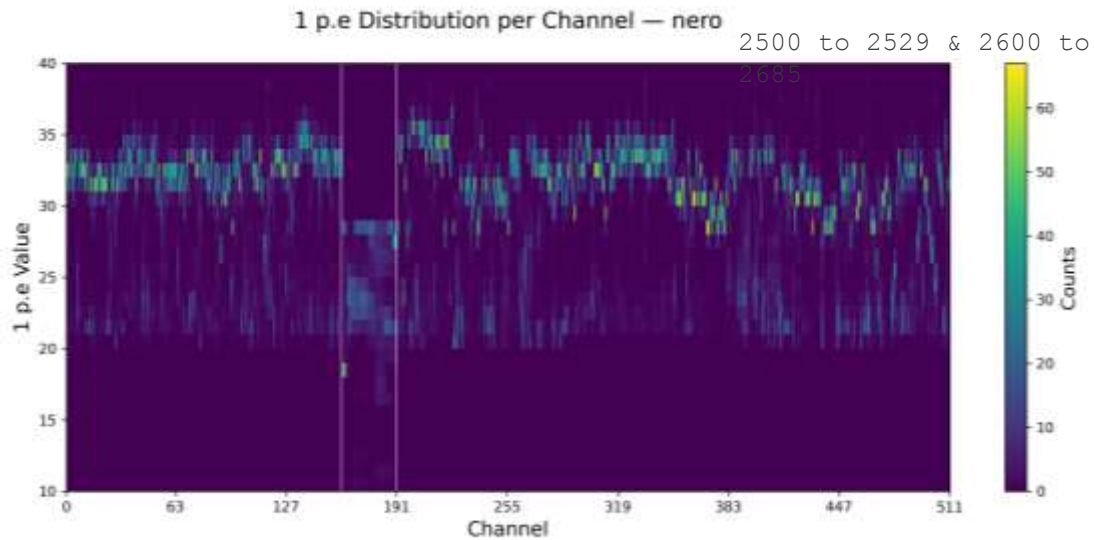
Adithyan Rajan



1pe Distribution

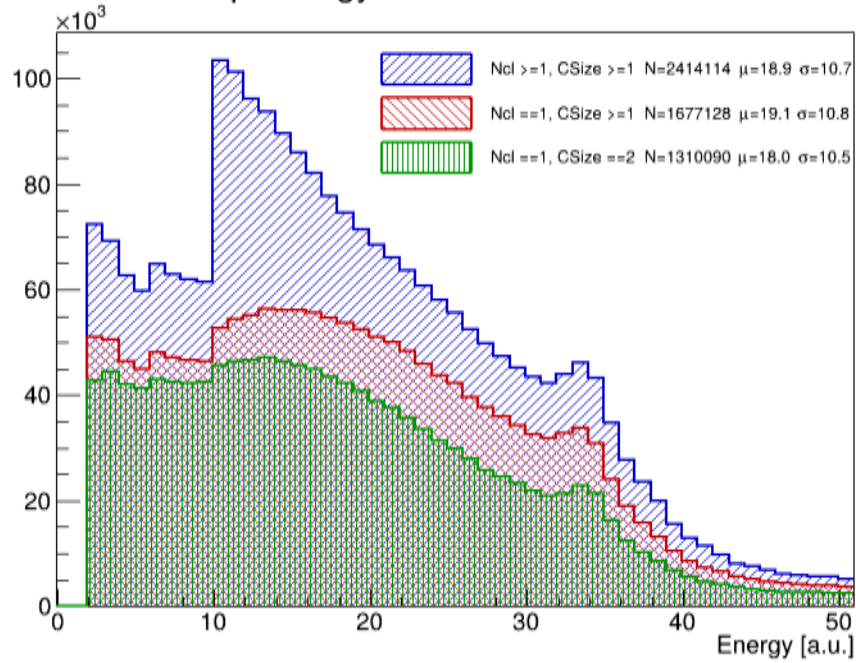


2nd station, X plane (last 32 channels), 160-191, board 5

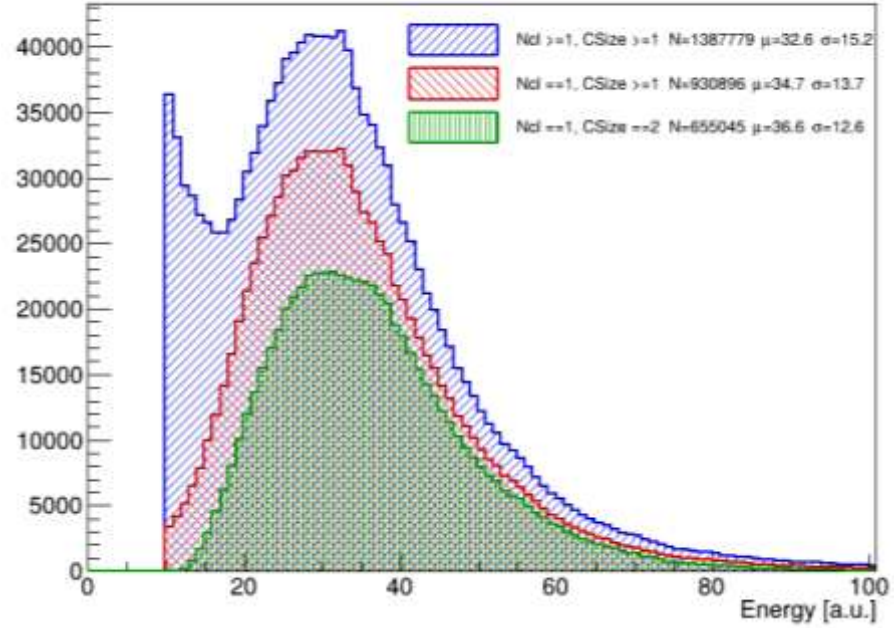


Digitalization

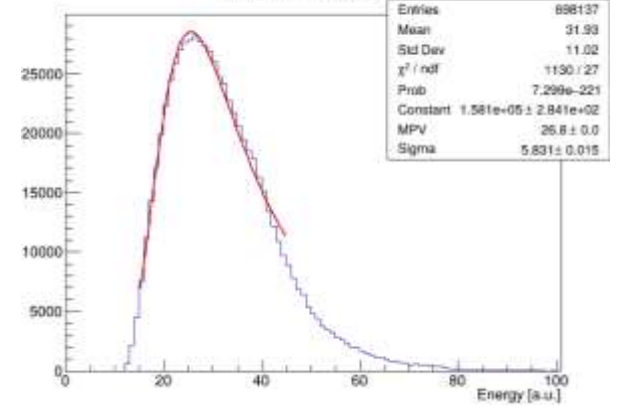
Strip Energy Y2 Ncl>=1 CSize>=1



Cluster Energy Y2 Ncl>=1 CSize>=1

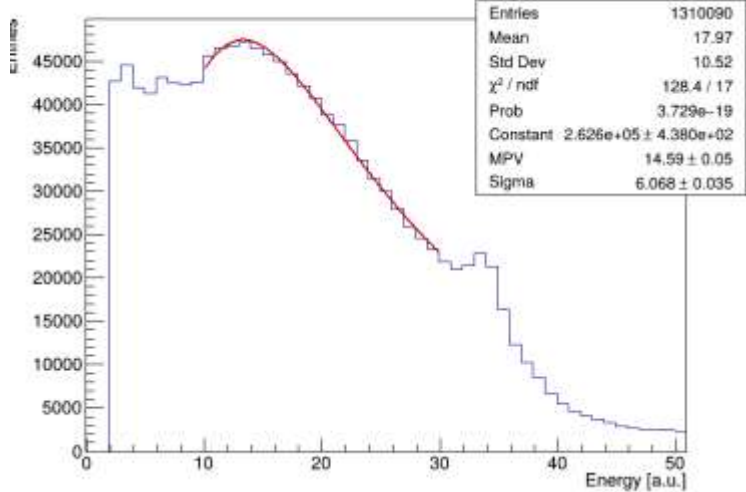


Cluster Energy Y3



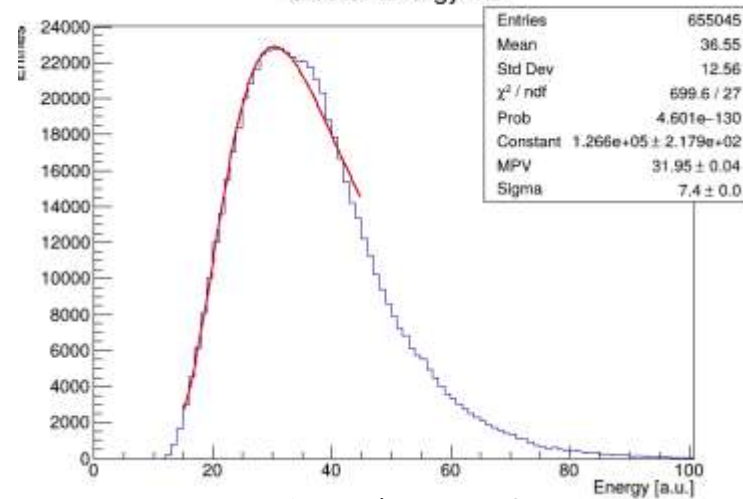
NERO RUN 2500 to 2528

Strip Energy Y2



Ncl ==1, Csize ==2

Cluster Energy Y2



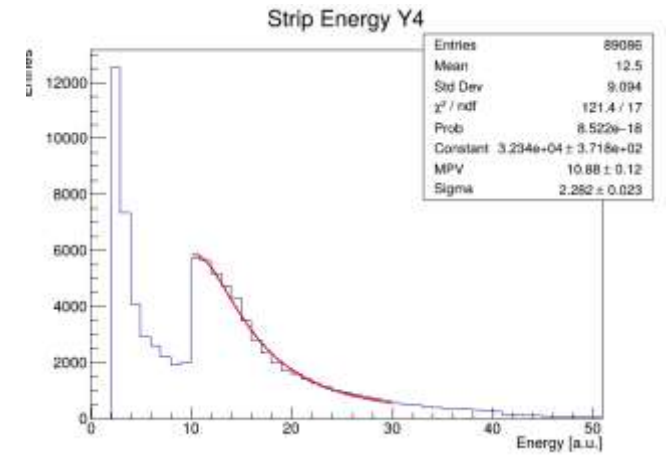
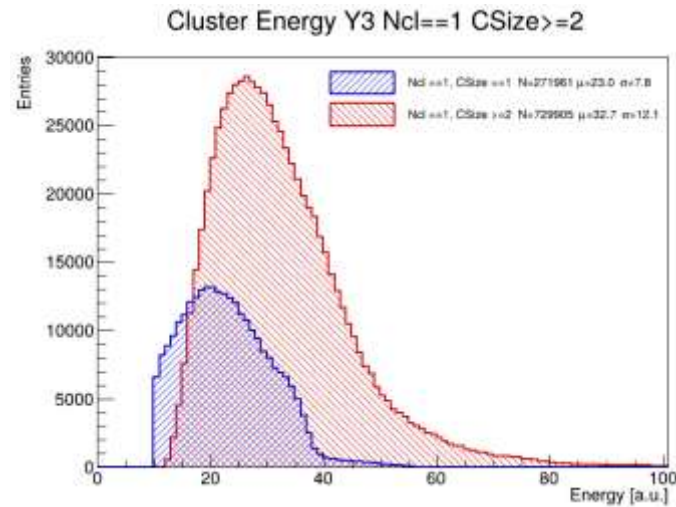
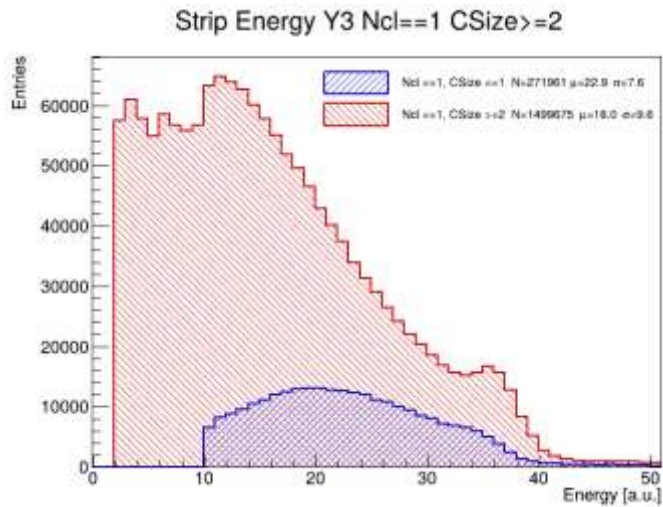
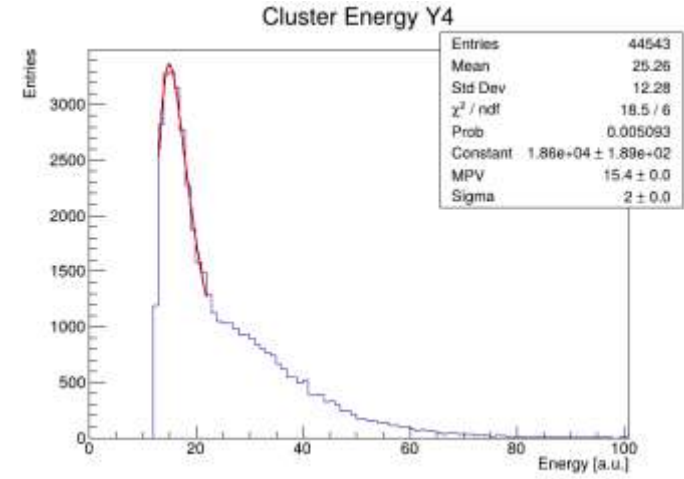
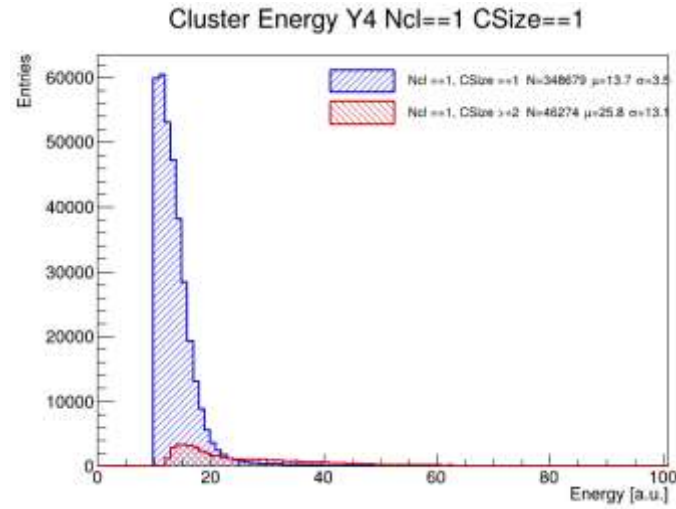
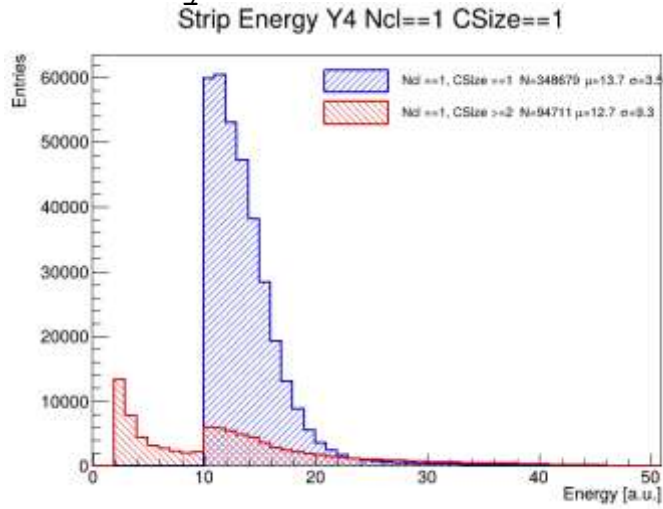
Ncl ==1, Csize ==2

Plane	Strip MPV	Cluster MPV
Y1	14.712 \pm 0.045	31.700 \pm 0.035
Y2	14.592 \pm 0.050	31.946 \pm 0.035
Y3	13.090 \pm 0.038	26.797 \pm 0.020
Y4	10.884 \pm 0.120	15.405 \pm 0.048
Z1	14.364 \pm 0.040	30.524 \pm 0.029
	15.409 \pm	32.964 \pm

Digitalization

Plane 4: ClSize=1 > ClSize≥2

• Why ?



Digitalization

