Preliminary

Study of cluster properties

G. Bencivenni, **L. Borgonovi**, G. Cibinetto, R. Farinelli,
E. Fontanesi, P. Giacomelli, G. Morello, M. Poli Lener

Preliminary

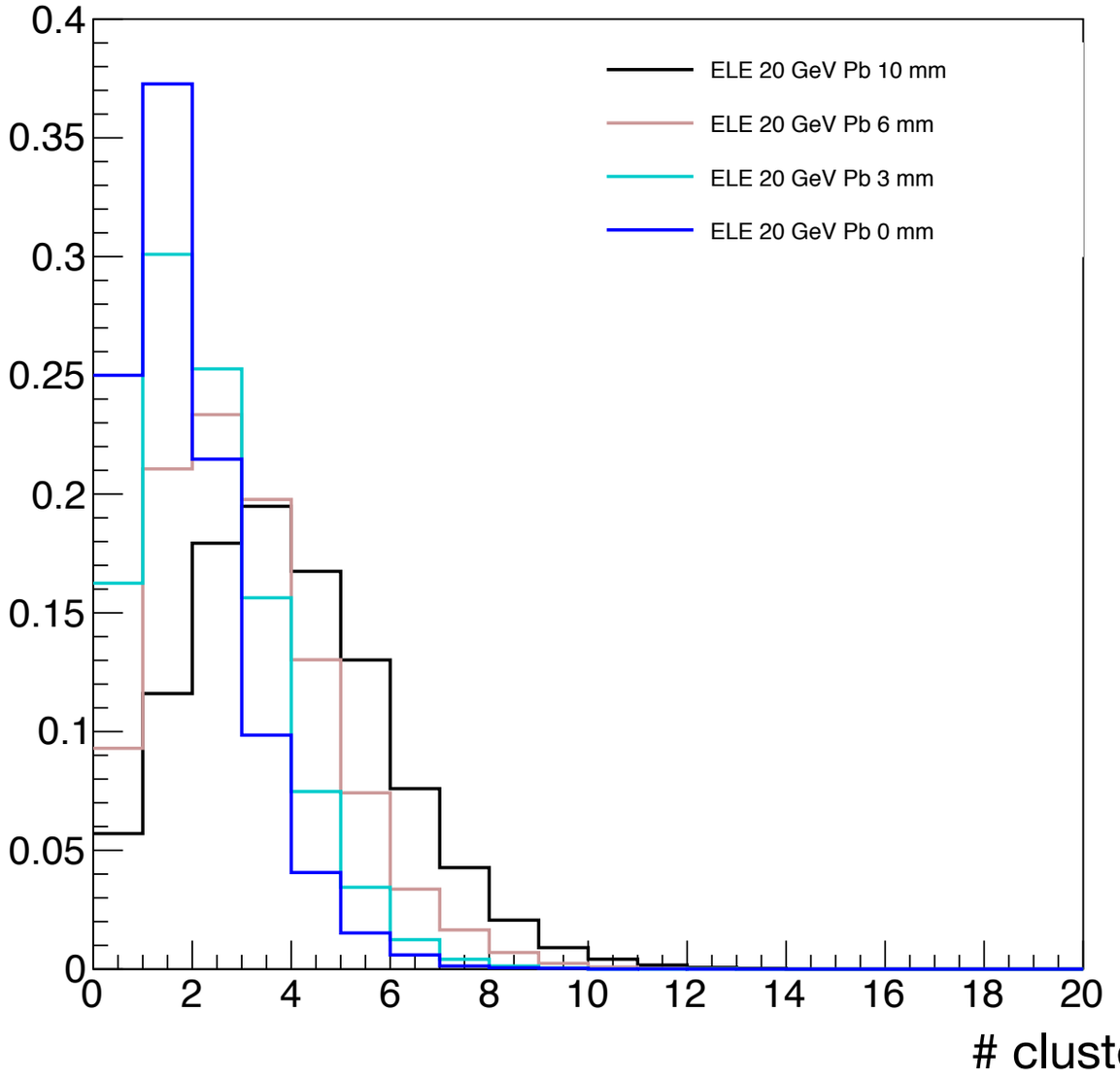
Electron beam and different lead thickness

Run64 (Pb 10mm)
Run65 (Pb 6mm)
Run66 (Pb 3mm)
Run71 (Pb 0mm)

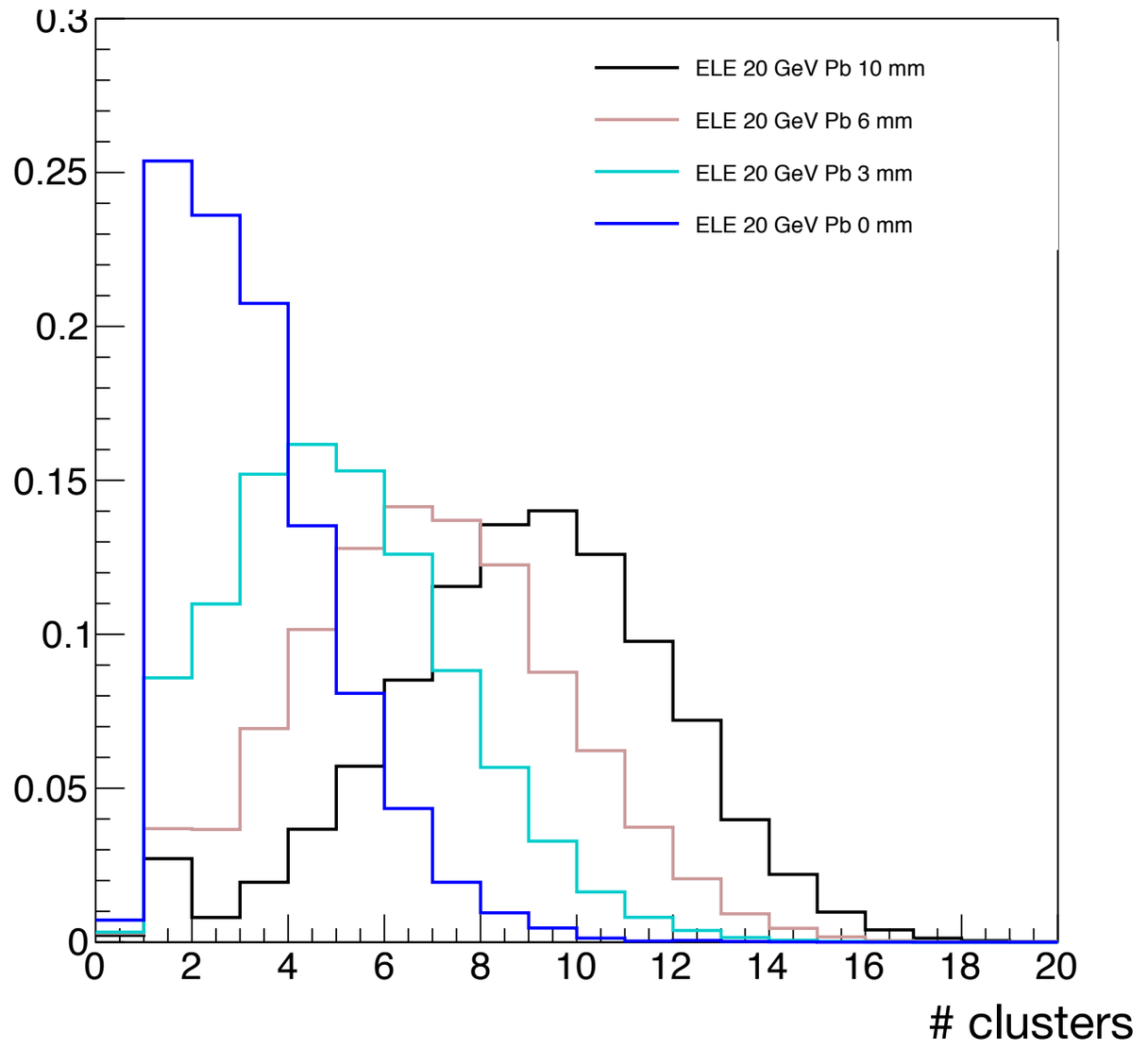
Pre-shower: number of clusters

x-direction (y distributions are almost the same)

GEM 0



GEM 1

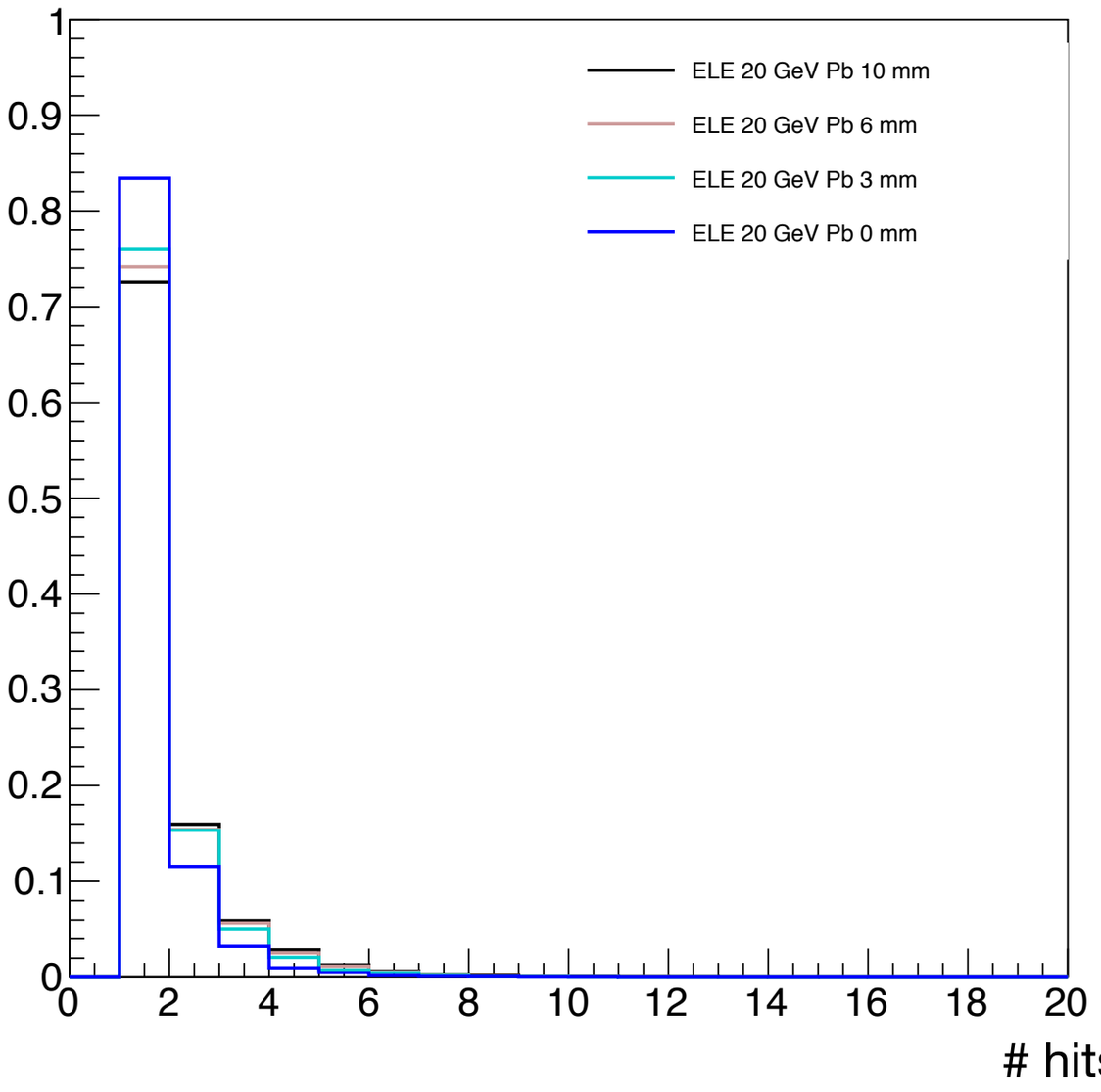


GEM0 was not as efficient as GEM1 -> kept at lower voltage not to saturate
(while GEM1 was saturating)

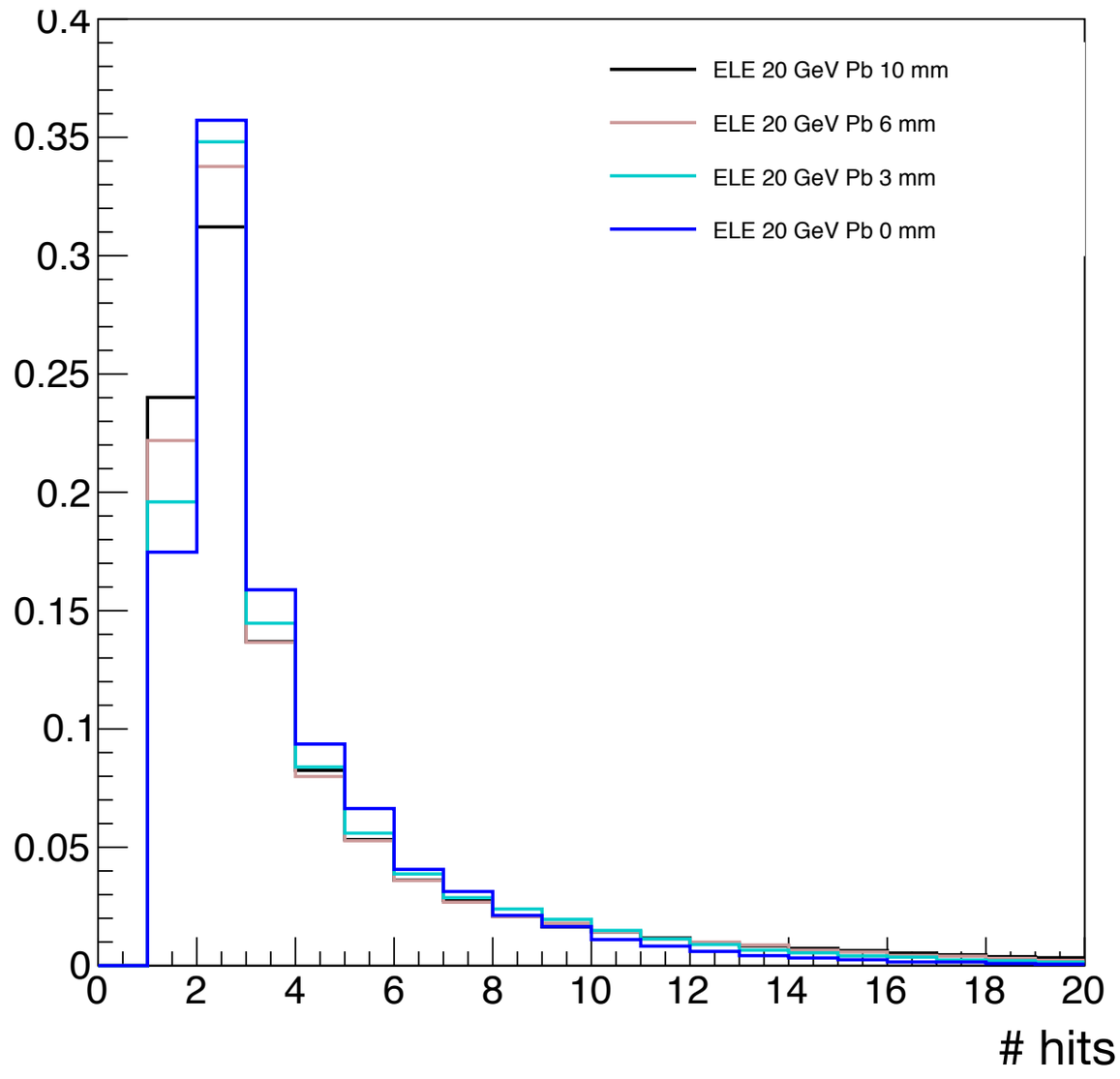
Pre-shower: number of hits per cluster

x-direction (y distributions are almost the same)

GEM 0



GEM 1



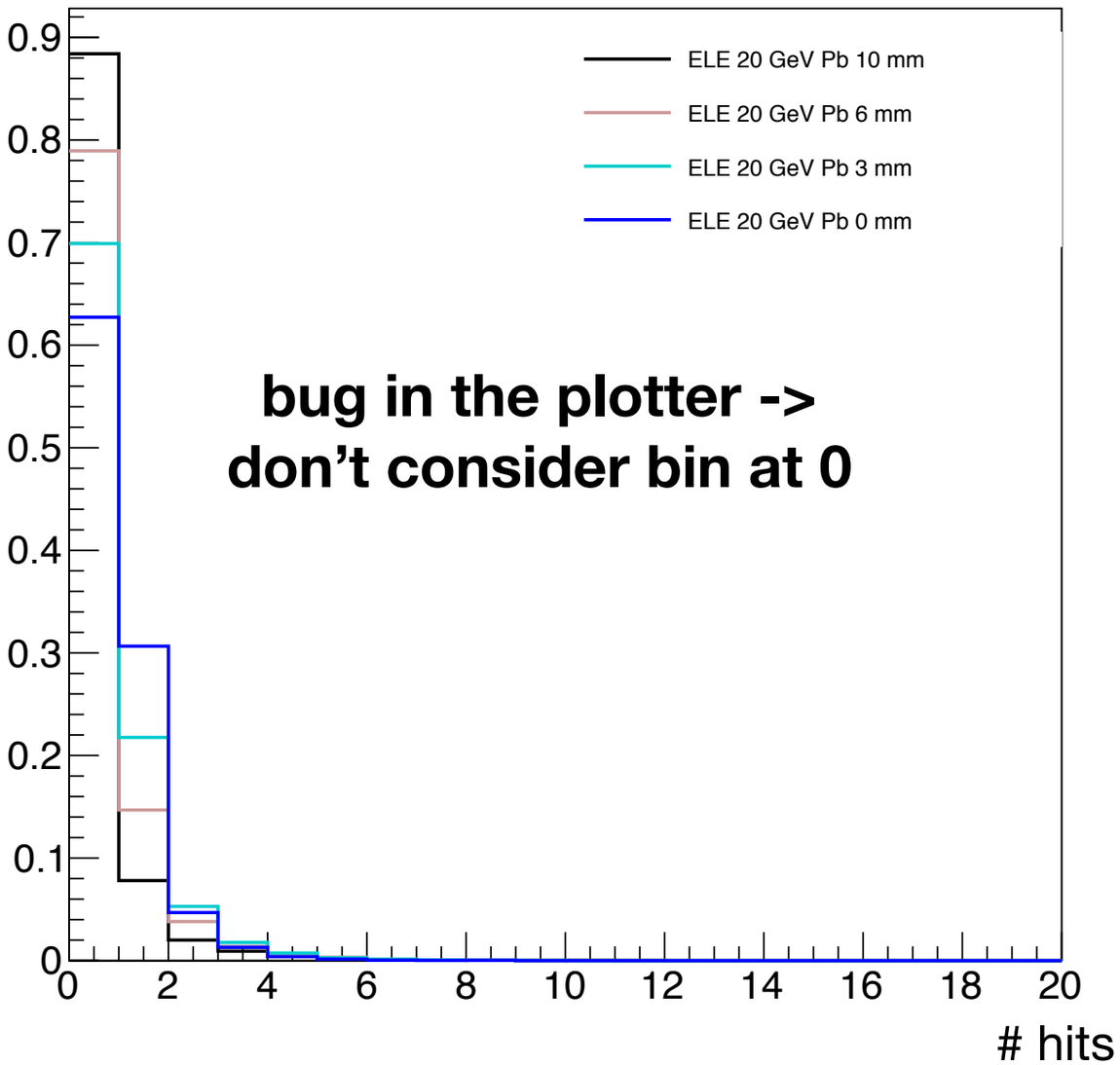
GEM0 was not as efficient as GEM1 -> kept at lower voltage not to saturate
(while GEM1 was saturating)

Pre-shower: number of hits per cluster *

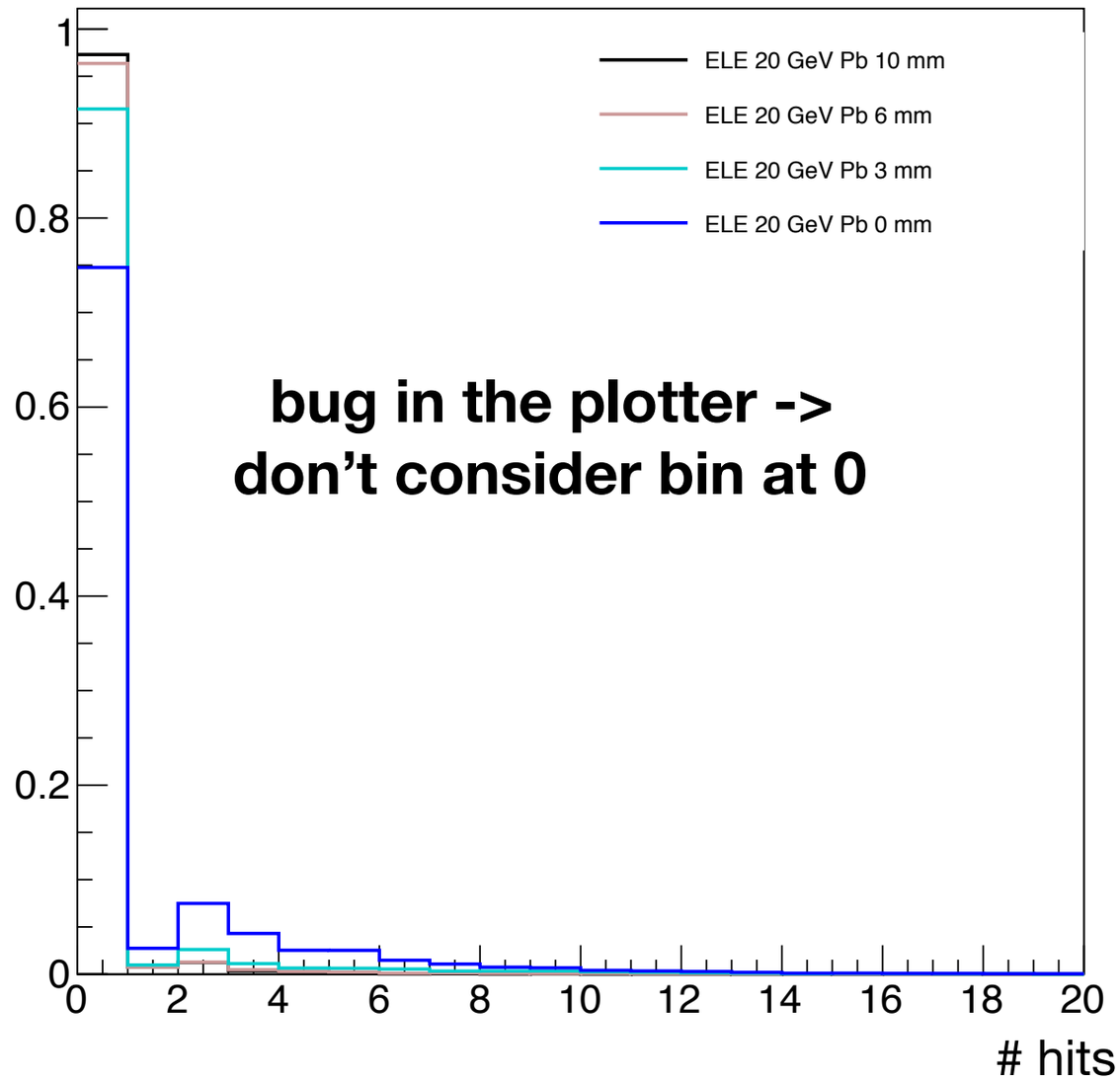
x-direction (y distributions are almost the same)

In events with ONE cluster

GEM 0



GEM 1



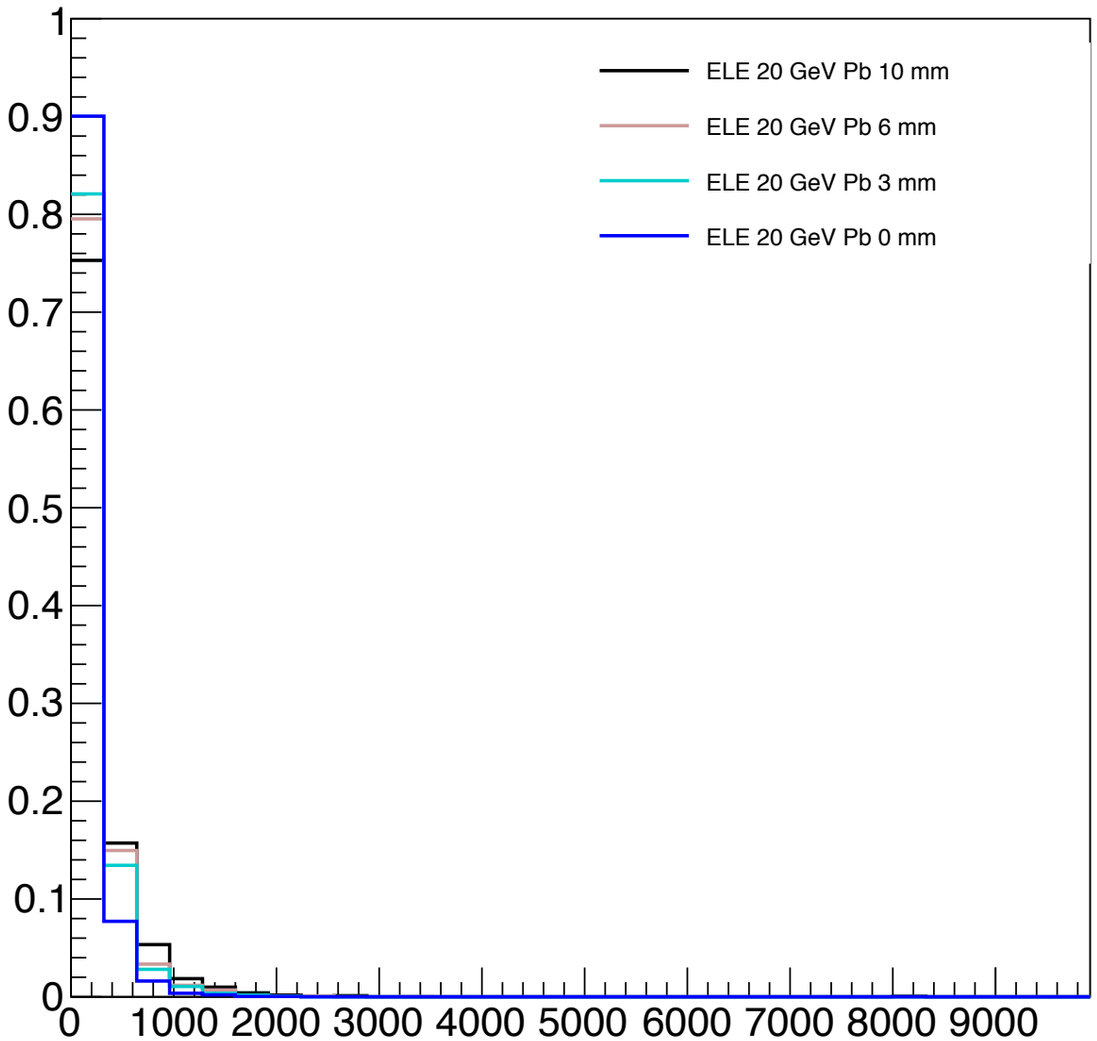
GEM0 was not as efficient as GEM1 -> kept at lower voltage not to saturate
(while GEM1 was saturating)

Pre-shower: charge of the cluster*

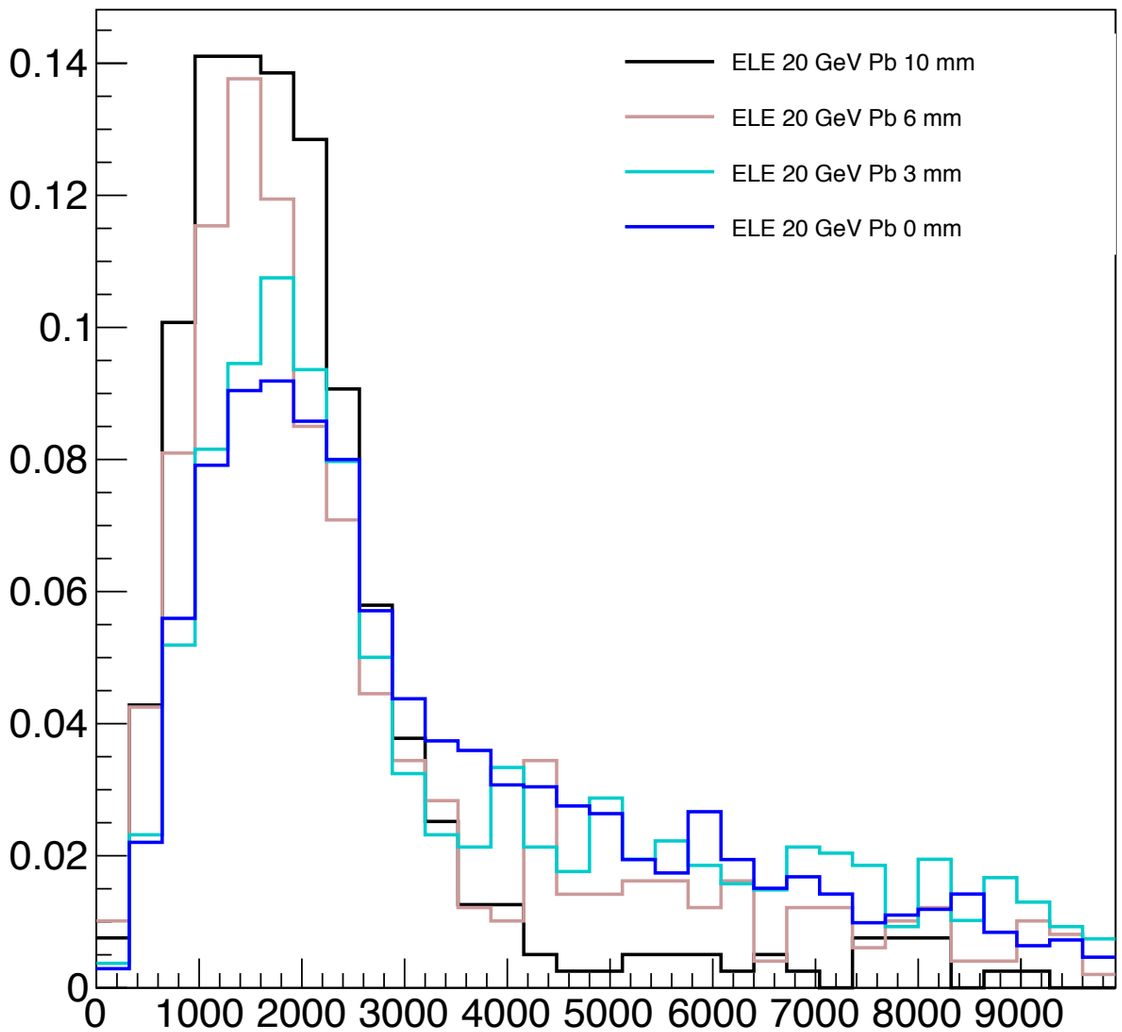
x-direction (y distributions are almost the same)

In events with ONE cluster

GEM 0



GEM 1



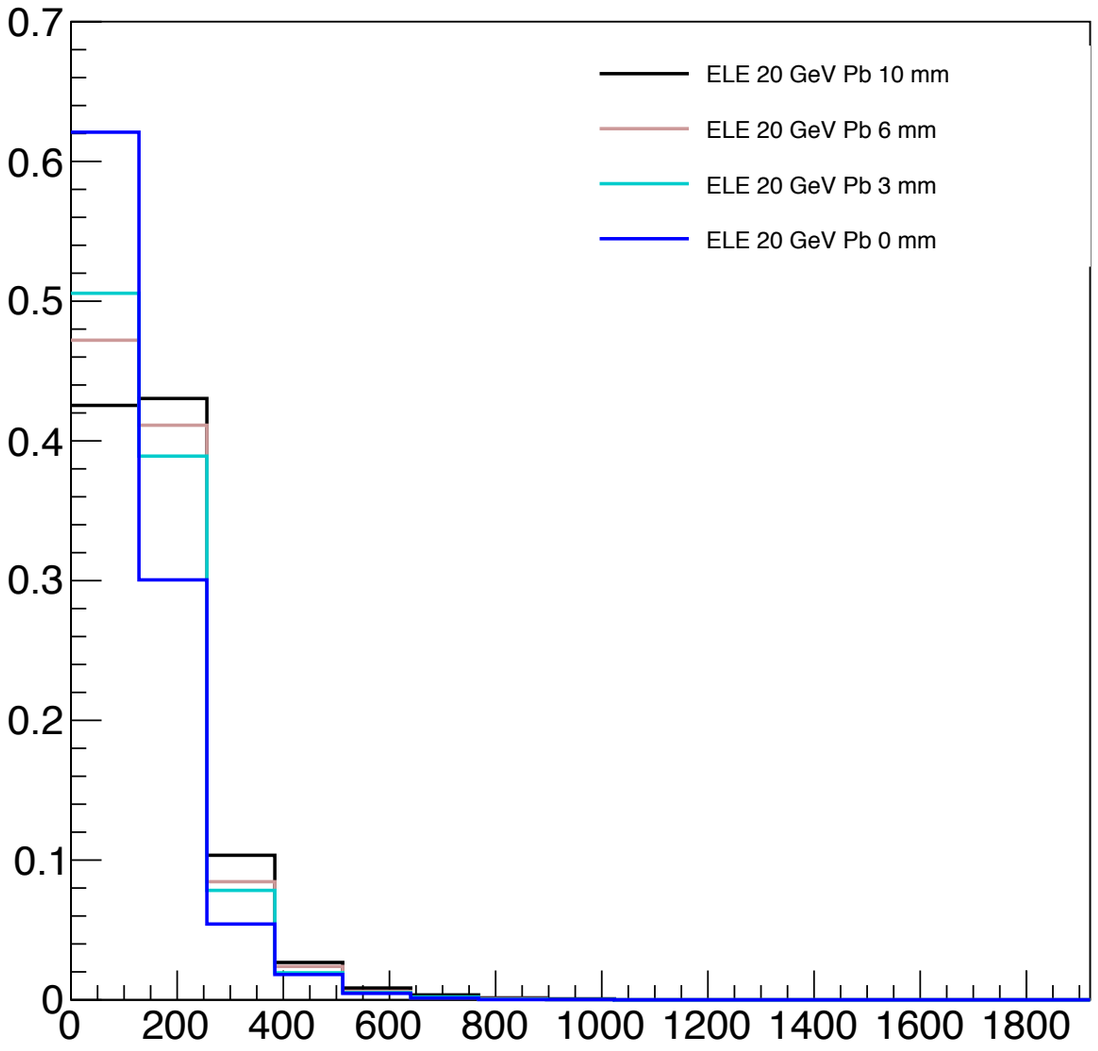
GEM0 was not as efficient as GEM1 -> kept at lower voltage not to saturate
(while GEM1 was saturating)

Pre-shower: charge of the hits*

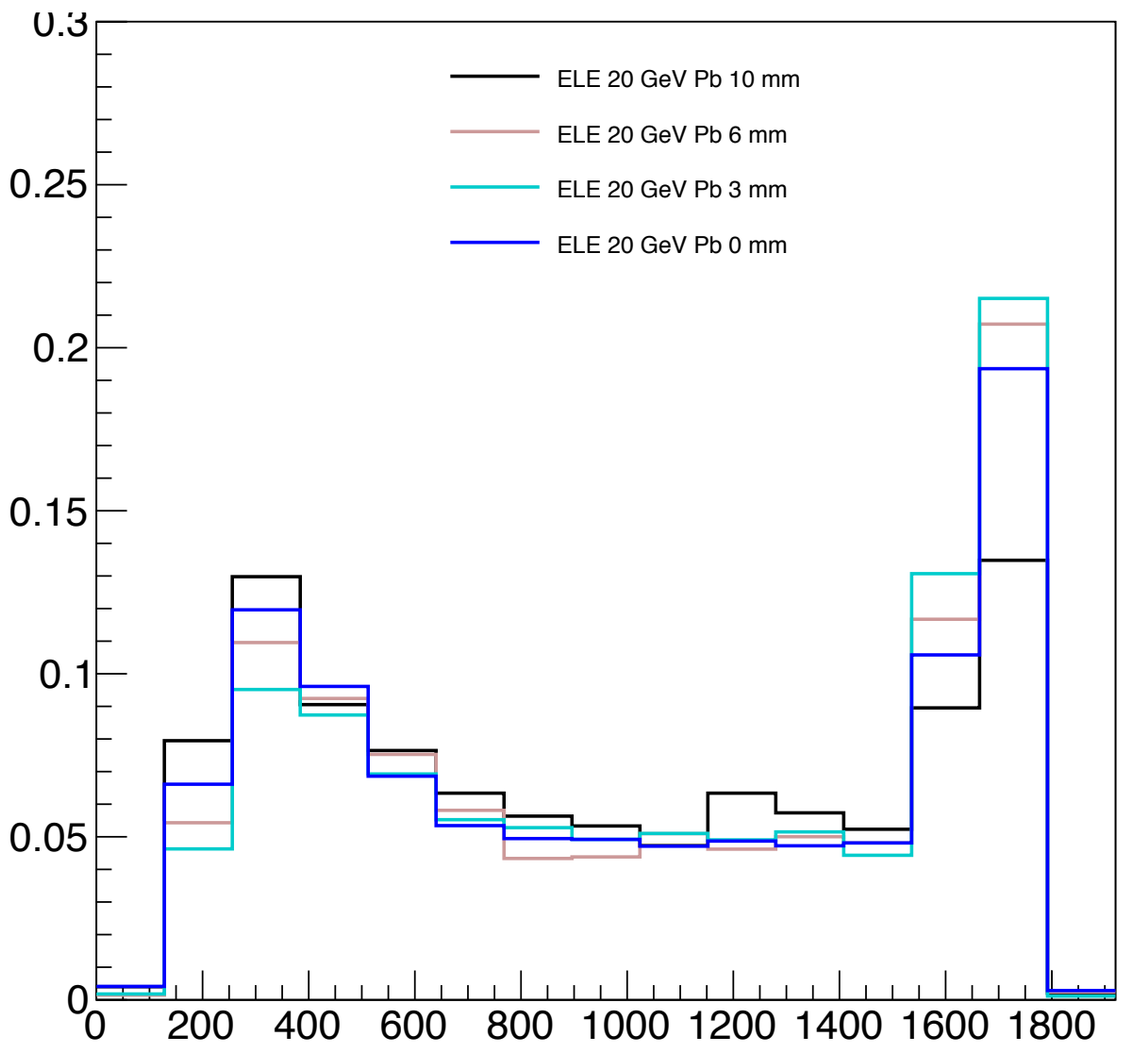
x-direction (y distributions are almost the same)

In events with ONE cluster

GEM 0



GEM 1



GEM0 was not as efficient as GEM1 -> kept at lower voltage not to saturate
(while GEM1 was saturating)

Muon system:

GEM 2 (x)

uRWELL 1 (x)

uRWELL 2 (y)

number of clusters

number of hits per cluster

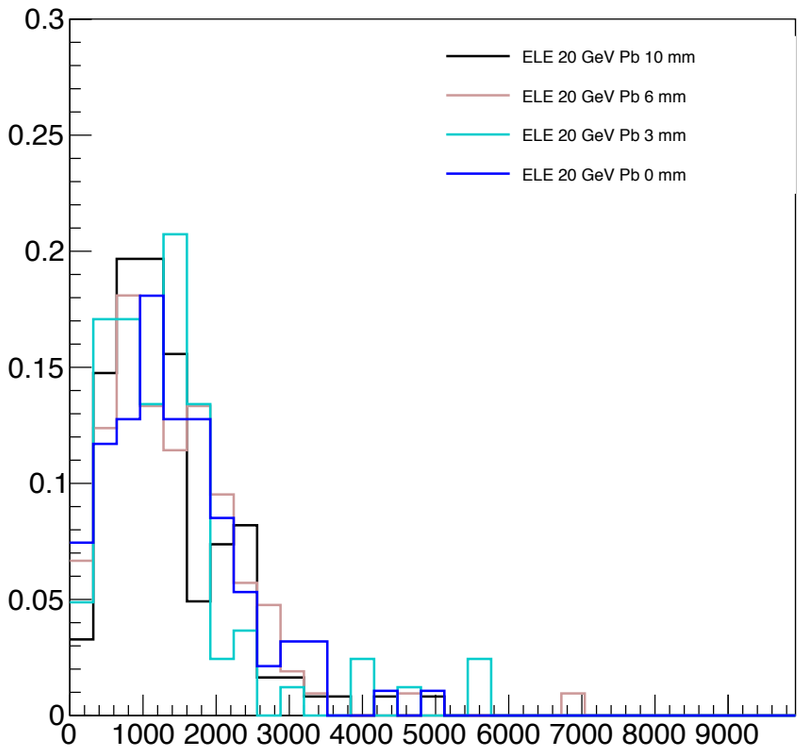
~0

Muon system: charge of the cluster*

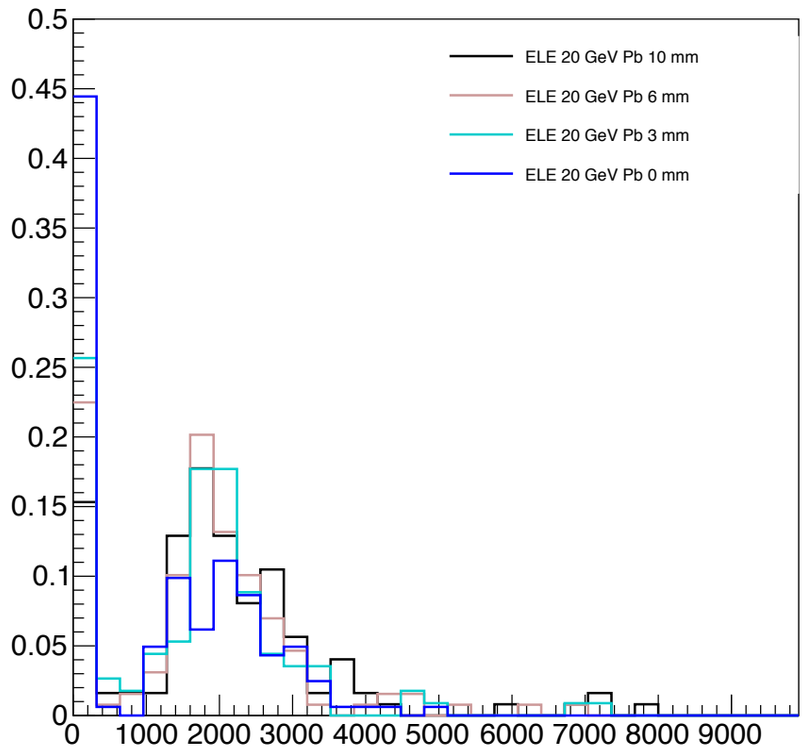
Poor statistics!!

In events with ONE cluster

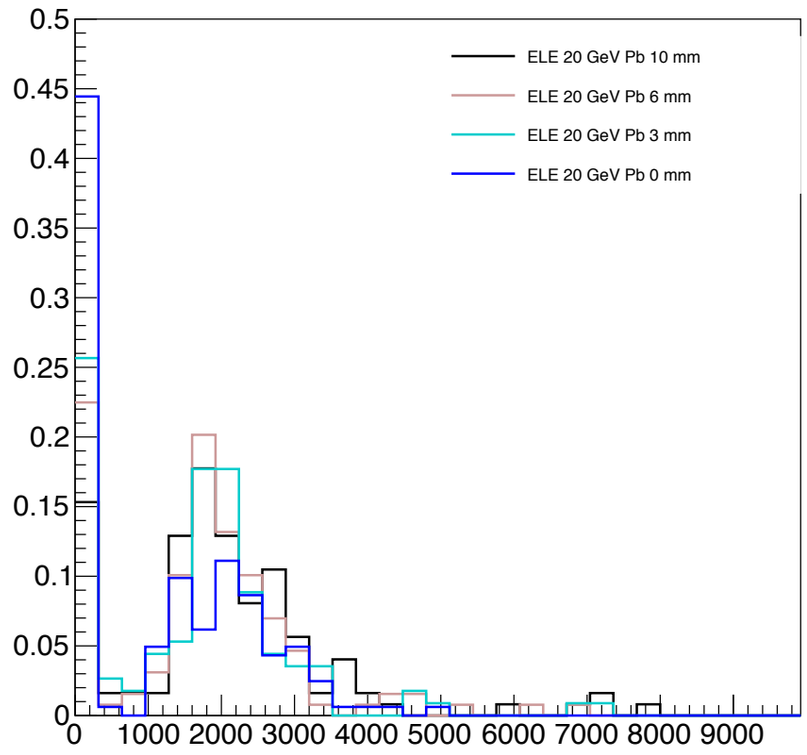
GEM 2 (x)



u-RWELL 1 (x)



u-RWELL 2 (x)

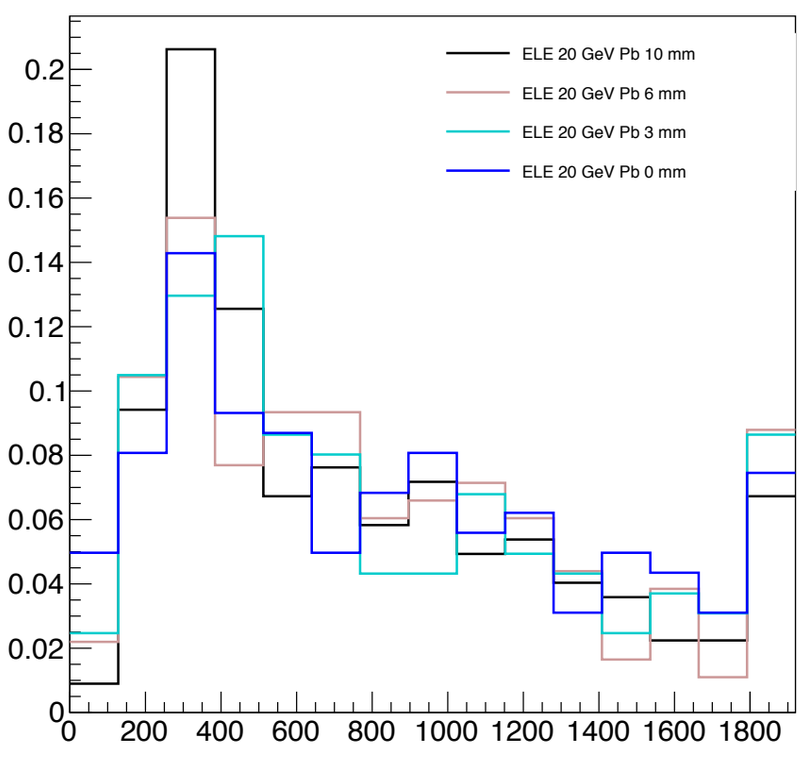


Muon system: charge of the hits*

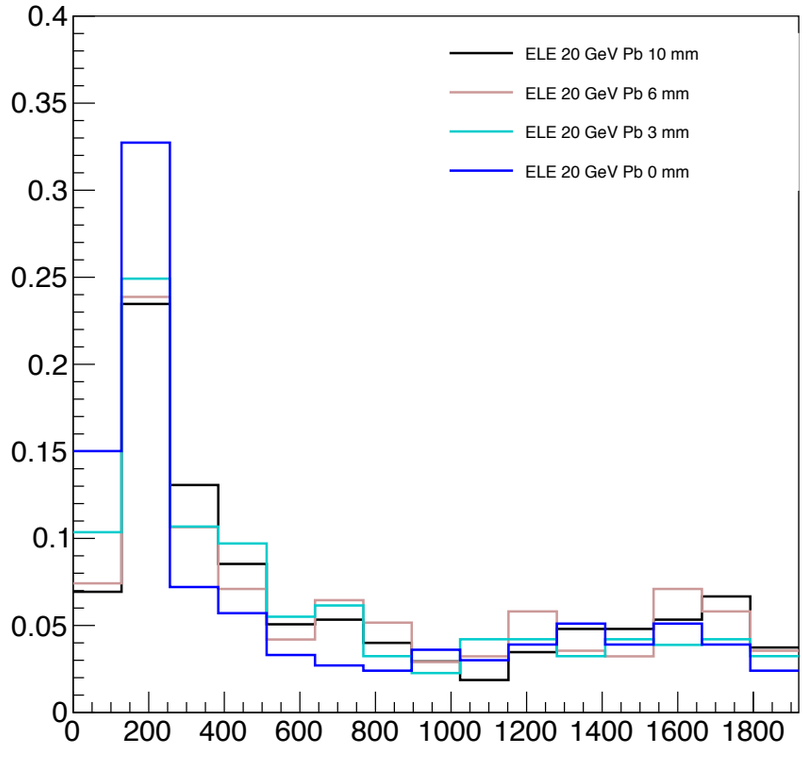
Poor statistics!!

In events with ONE cluster

GEM 2 (x)



u-RWELL 1 (x)



u-RWELL 2 (x)