Track length Update

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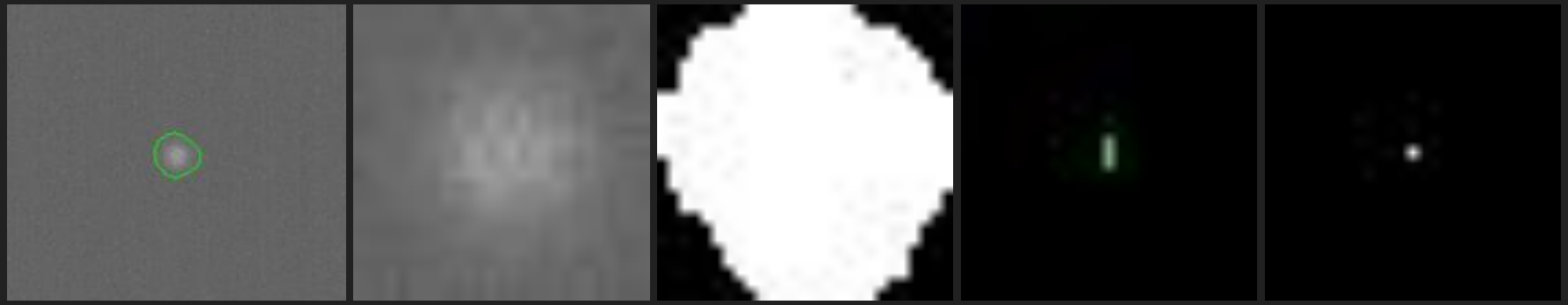
15/04/2021

30 keV NR with noise

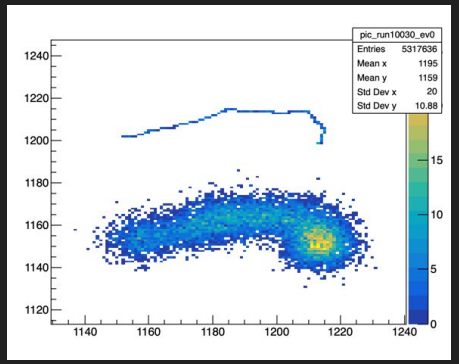


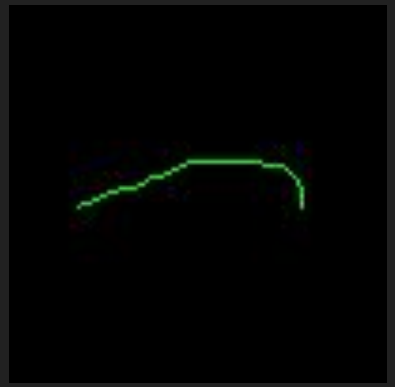
(a) Contour (b)Track (c)Thresholded track (d) Skeleton (e) Thinning

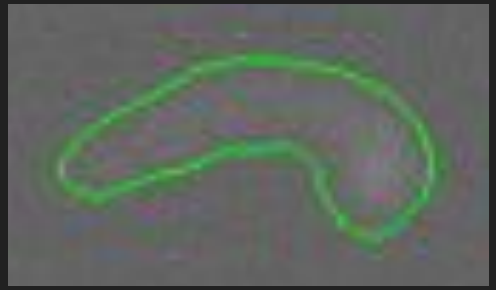
60 keV NR with noise

(a) Contour (b)Track (c)Thresholded track (d) Skeleton (e) Thinning

30 keV ER (with and without noise)



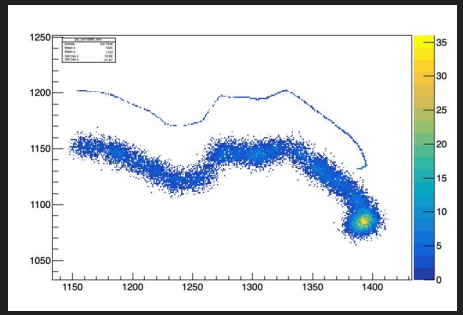


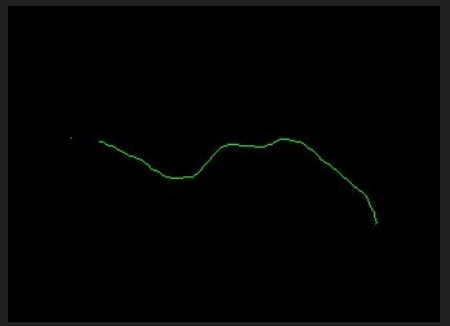


First row is analysis without noise and second row is with noise.

60 keV ER (with and without noise)

Reconstructed 60 keV ER with GAC algorithm (with noise).





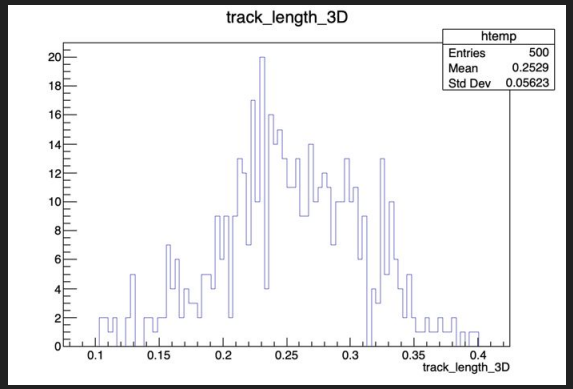
(a) Thresholded image

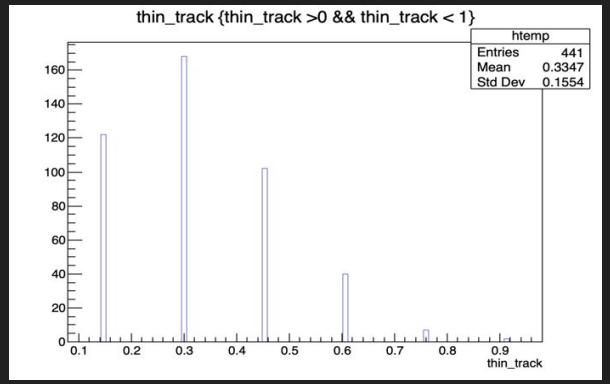
(b) Skeleton

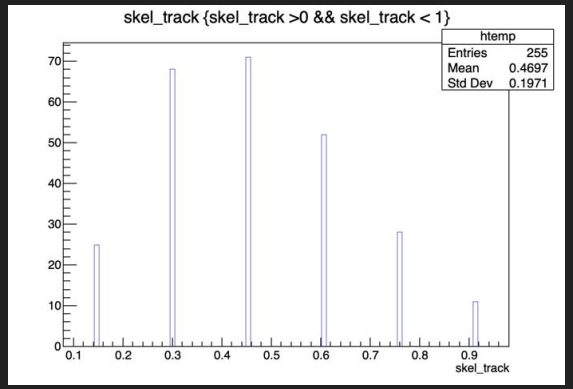
(c) Thinning

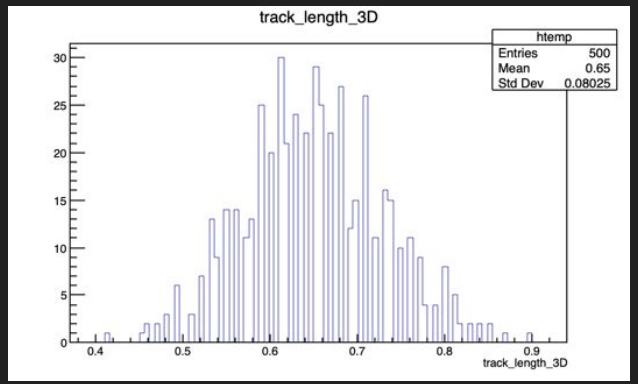
- First row is analysis without noise and second row is with noise.
- Need to apply pruning for the skeleton and thinning method.

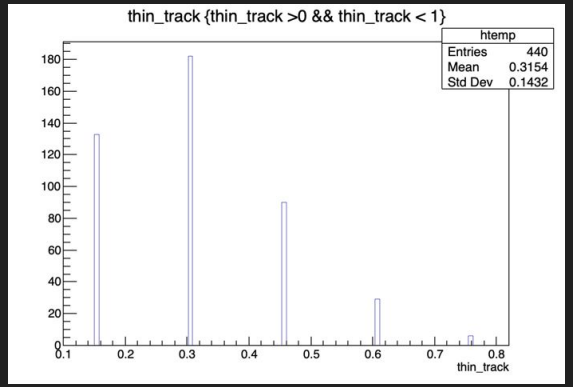
10 keV and 30 keV NR track length

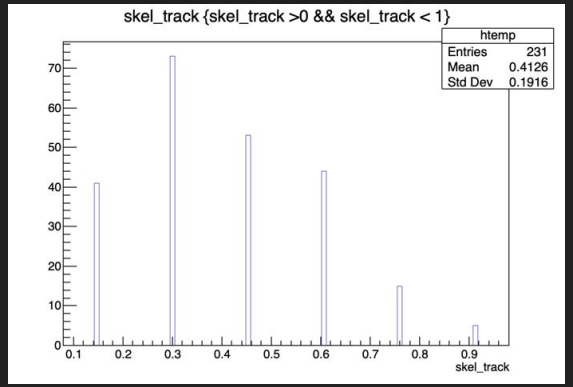








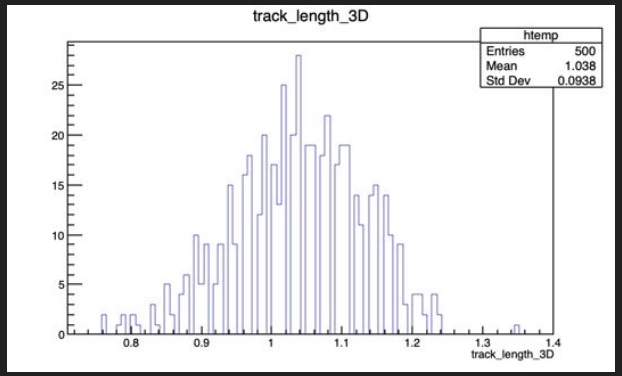




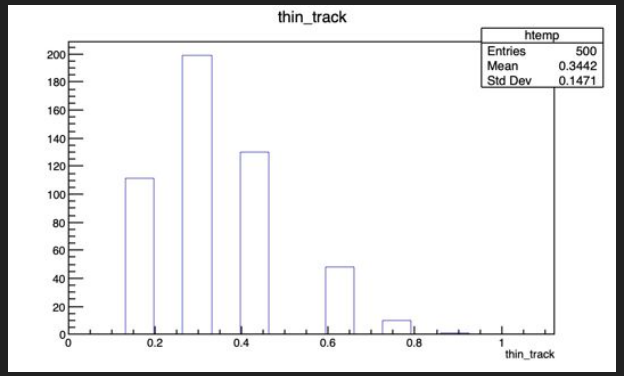
(a) MC track-length (b) Thinning (c) Skeleton

- First row is track length for 10 keV and second row is for 30 keV NR.

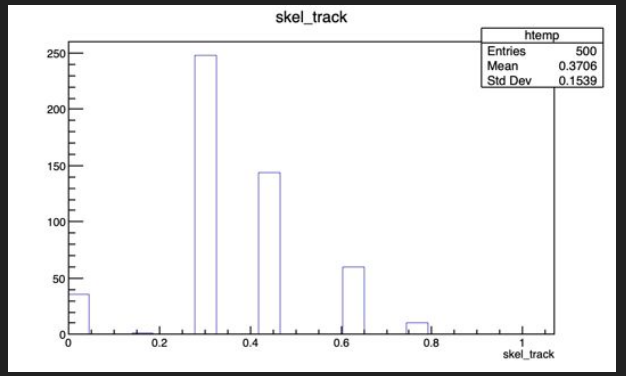
60 keV NR track length



(a) MC track length

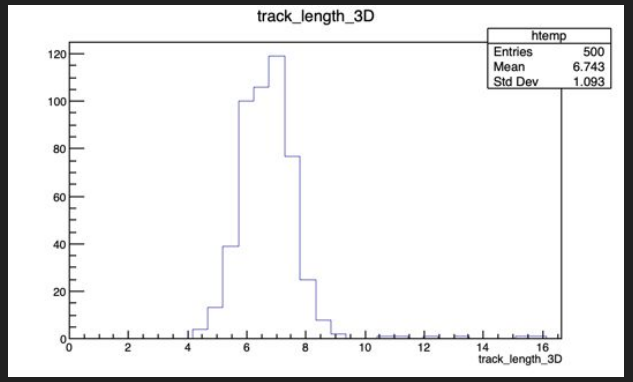


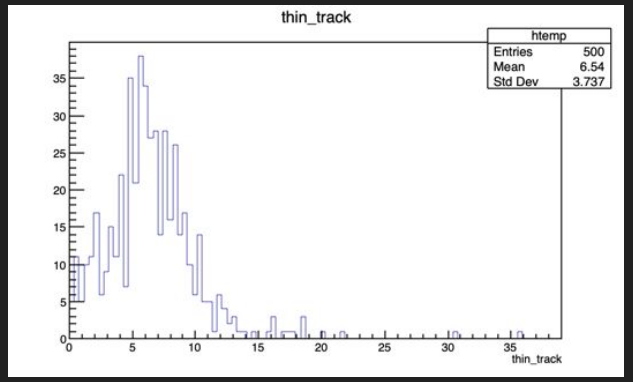
(b) Thinning

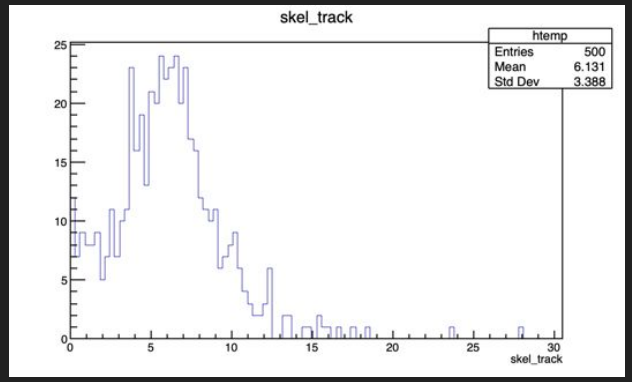


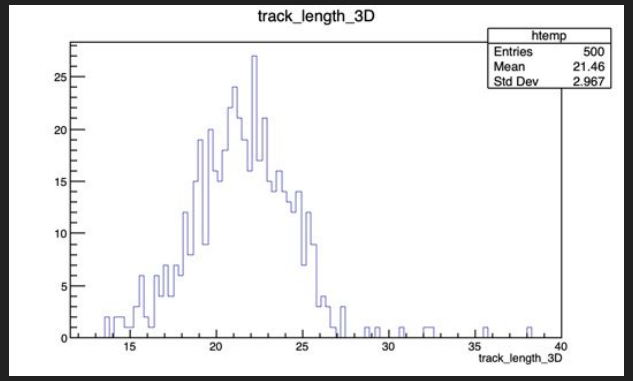
(c) Skeleton

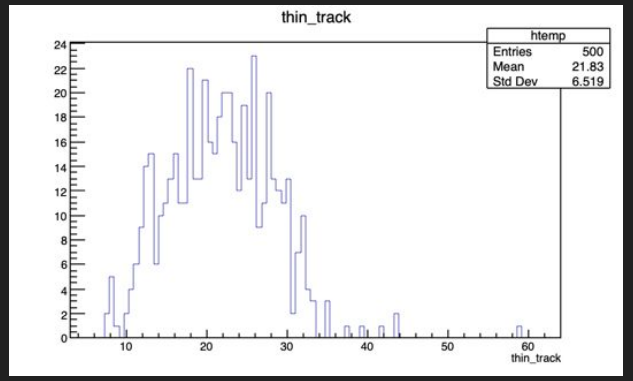
30 keV and 60 keV ER track length

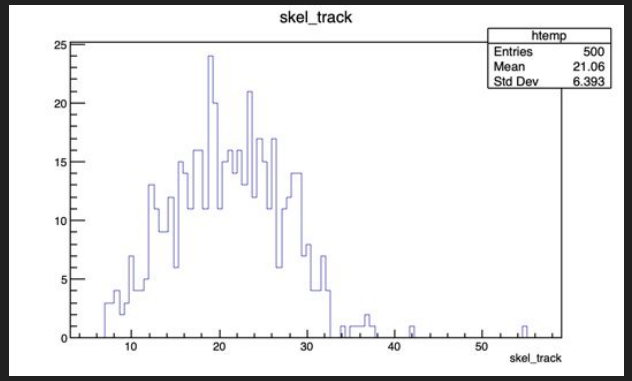












First row is track length for 30 keV and second is for 60 keV ER.