

Report on KOTO EMCAL Study

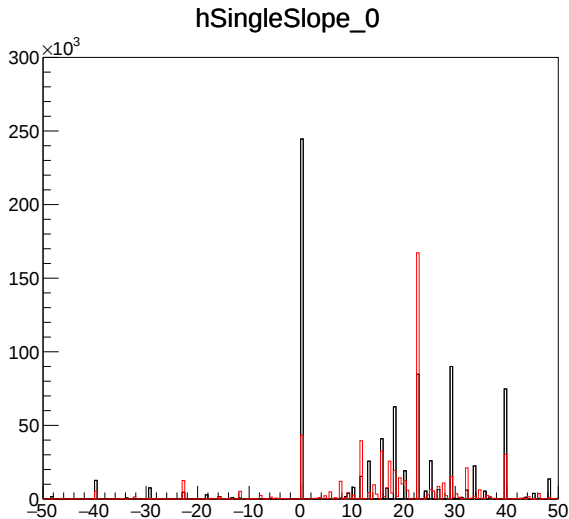
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October 20, 2020

Updates contents

- ▶ Individual angle distribution.
- ▶ Rejection of pair consisting of neighboring hits.

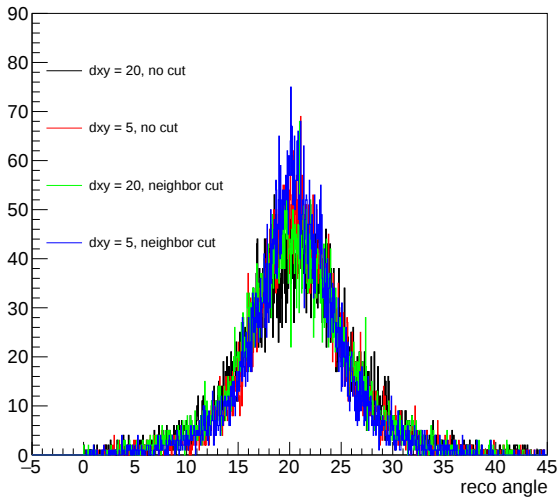
Angle distribution



- ▶ Black($dxy = 20$ mm) and Red($dxy = 5$ mm)
- ▶ thinner segment provides better resolution for each

Angle Recon.

hSlope_proc_smooth

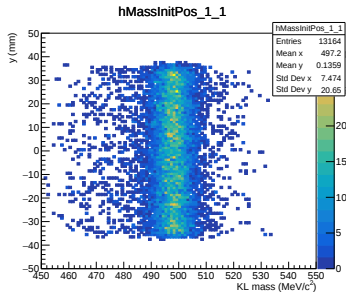
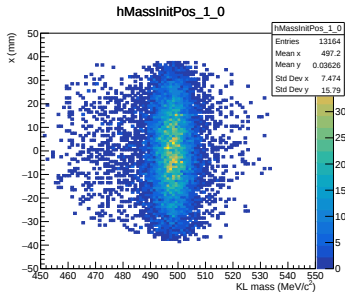
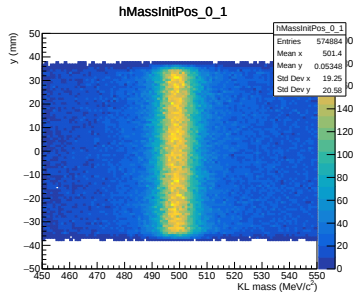
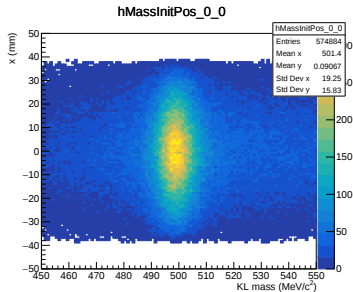


- Reject neighboring paris.
- Not effective

Outlook

- ▶ Further investigating possible improvement of current tracking algorithm
- ▶ Consideration of deep learning method.

g5ana results



► Not dependent.