

# PROGRESS REPORT

- **Standalone Track Finding**

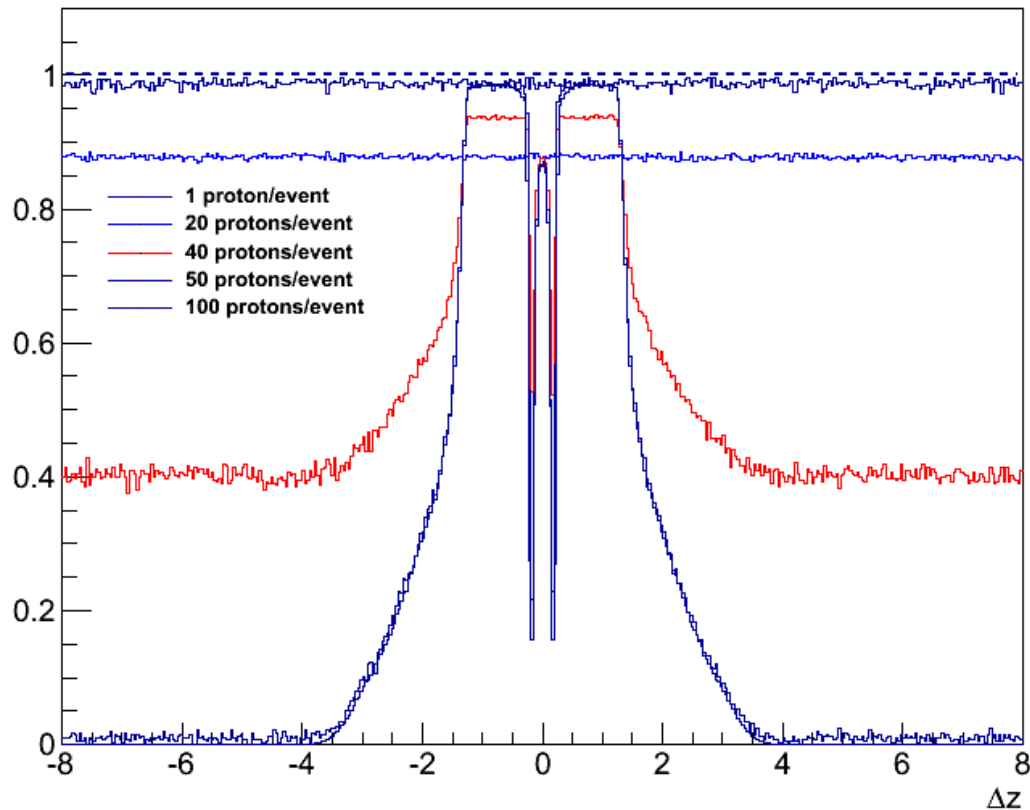
09/06/2016 VXT Japanese Meeting

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# Efficiency

Generated by Kurt's macro(singlePartGen.C)  
particle : proton  
the number of event: 1,000,000  
 $\phi < 2\pi$ ,  $|\eta| < 1.5$ ,  $0.2 < p_T < 4.0$  GeV/c (flat)  
vertex = (0,0,-15 ~ 15)  
cluster threshold = 30

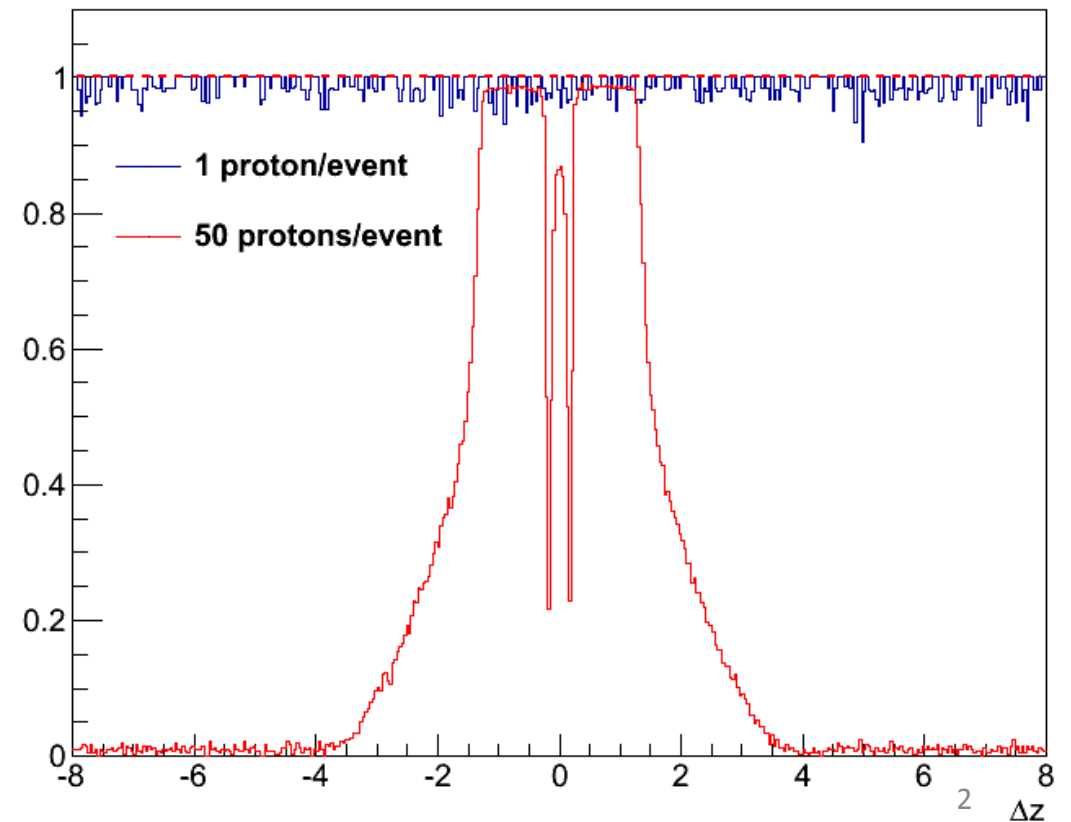
Track finding efficiency



SvxStandAloneReco restricts  
the z when looking for clusters  
to make segments **only if** there  
are **more than 30 clusters** in  
B0

Vertex: (0,0,-15~15)  $\rightarrow$  (0,0,0)

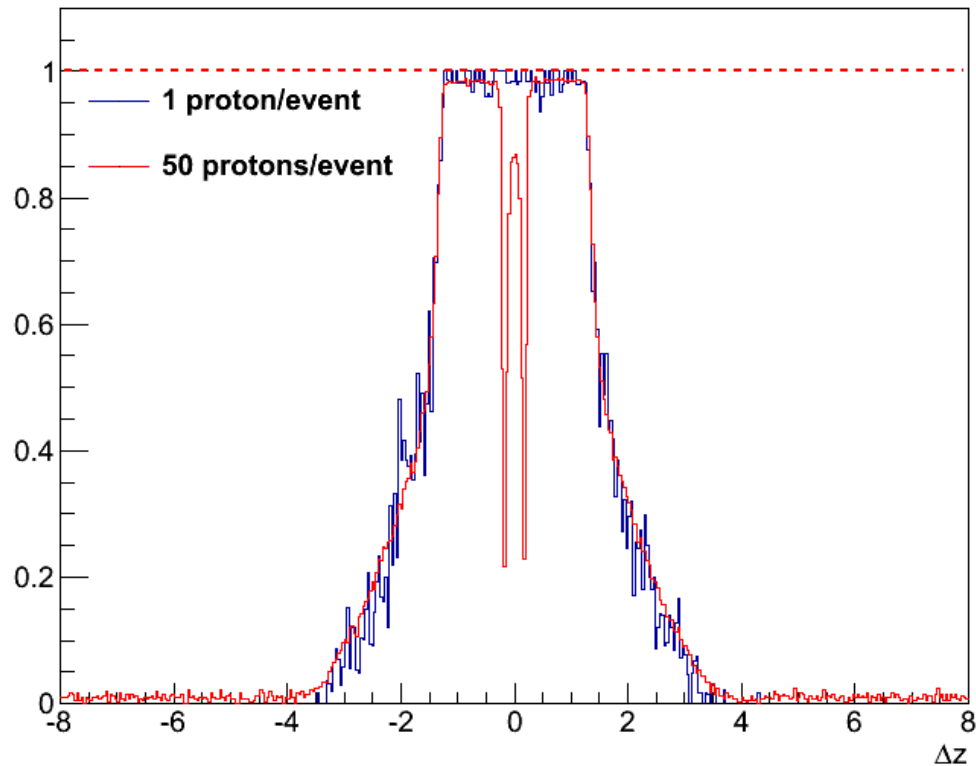
Track finding efficiency



# Efficiency

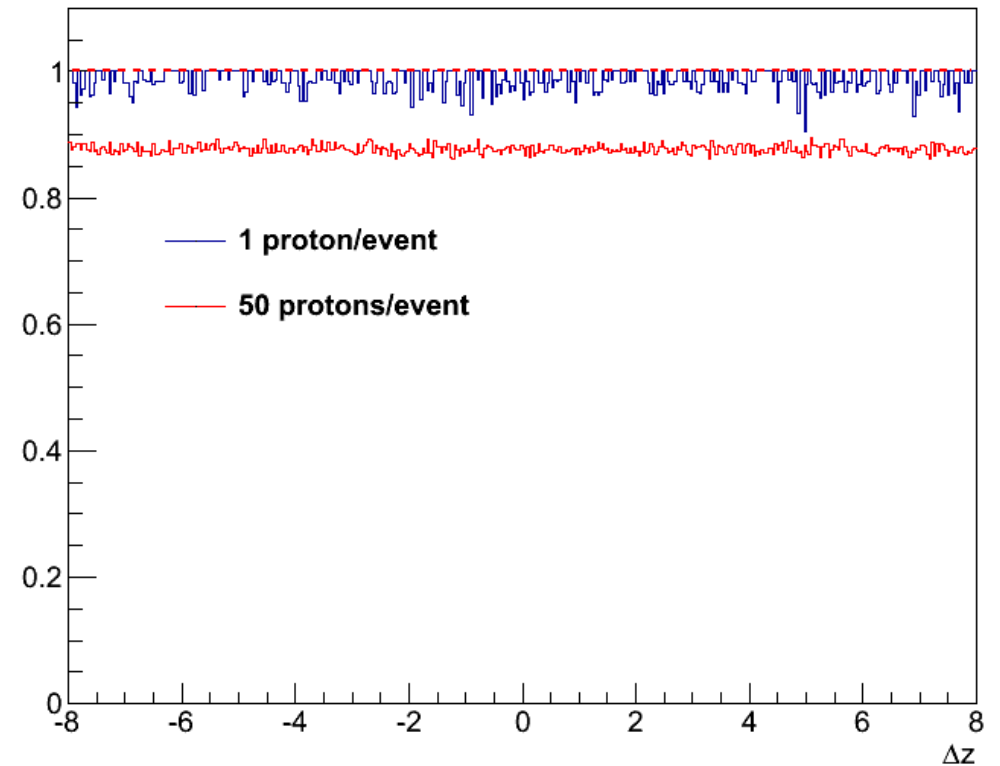
cluster threshold : 30  $\rightarrow$  0

Track finding efficiency



cluster threshold : 30  $\rightarrow$  1000

Track finding efficiency





# Efficiency

Kurt さんの plot (8/3 VTX meeting)

