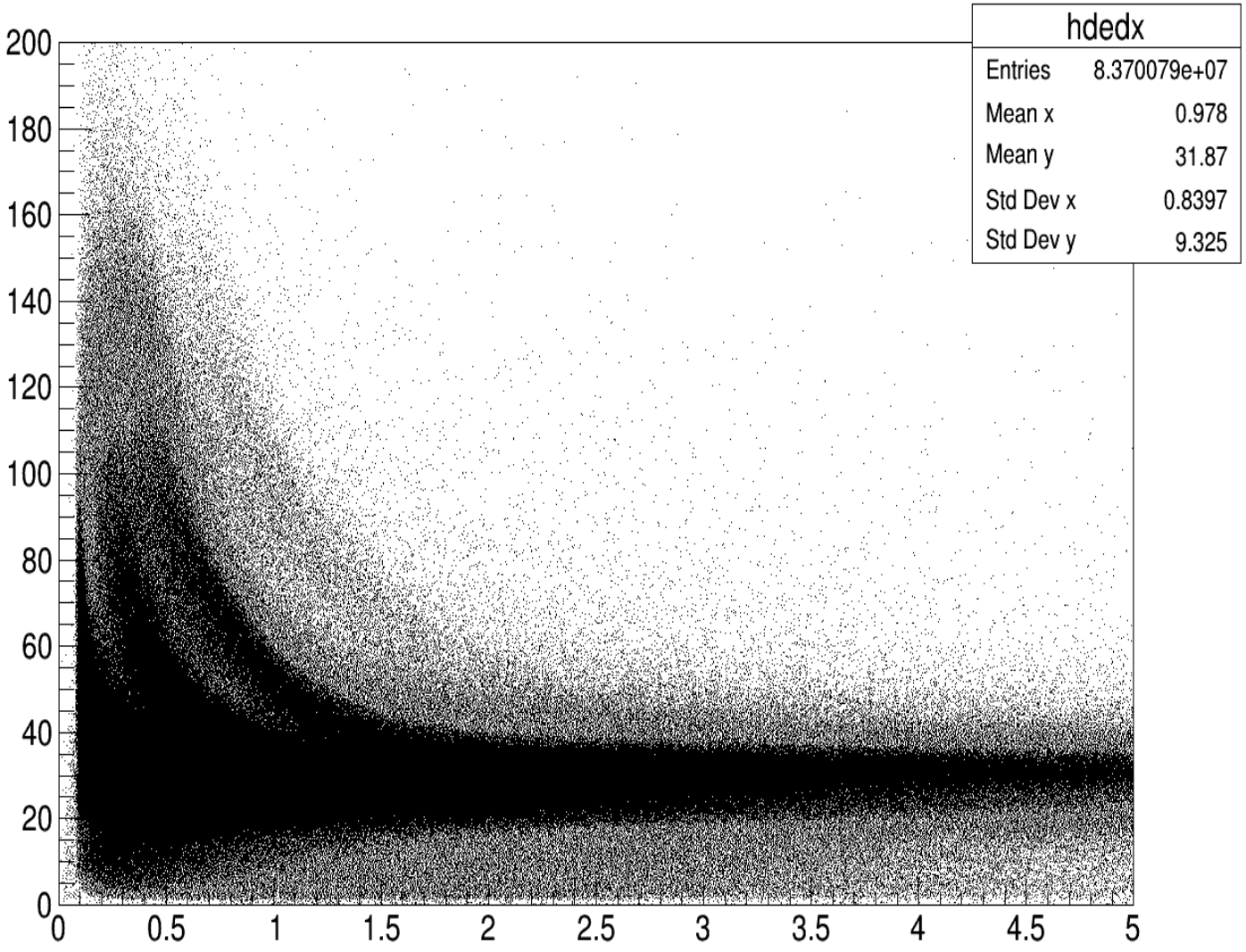
Tom’s K+K- analysis



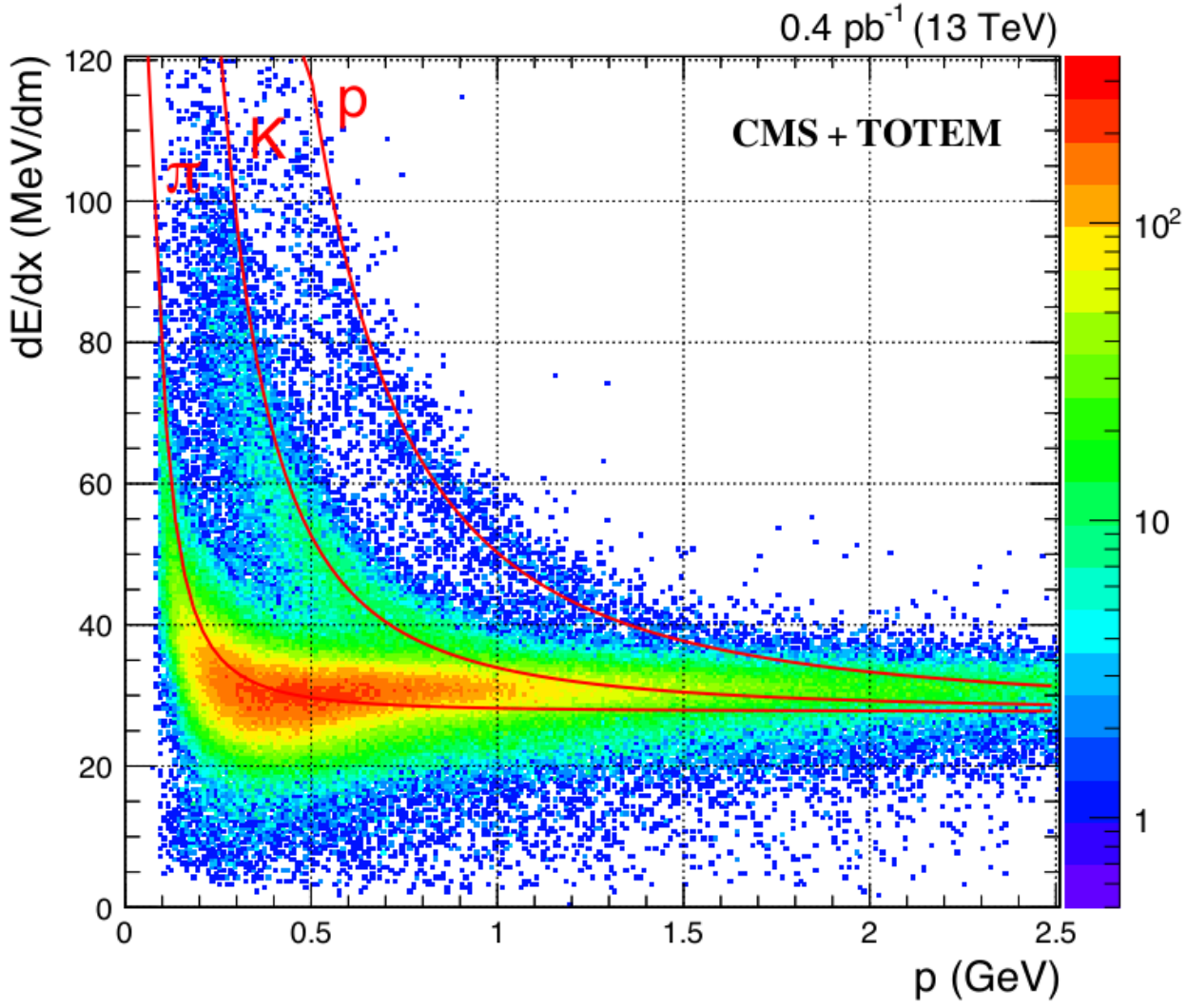


Figure 13: Distribution of the track energy loss dE/dx versus momentum, for tracks in the four-track sample. Solid (red) lines, corresponding to a simplified parameterization of the mean energy loss for pions, kaons and protons [51], are shown to guide the eye.

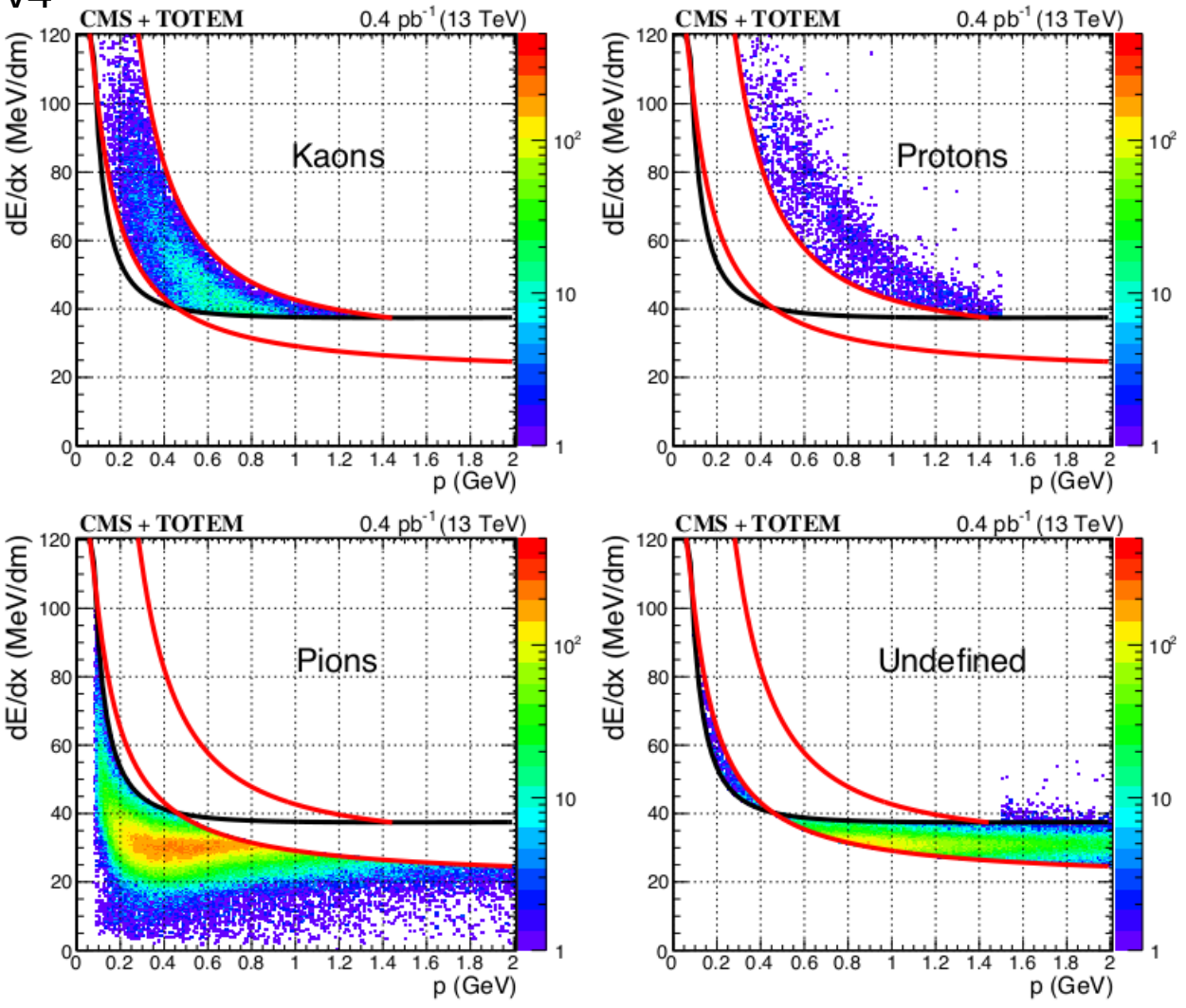
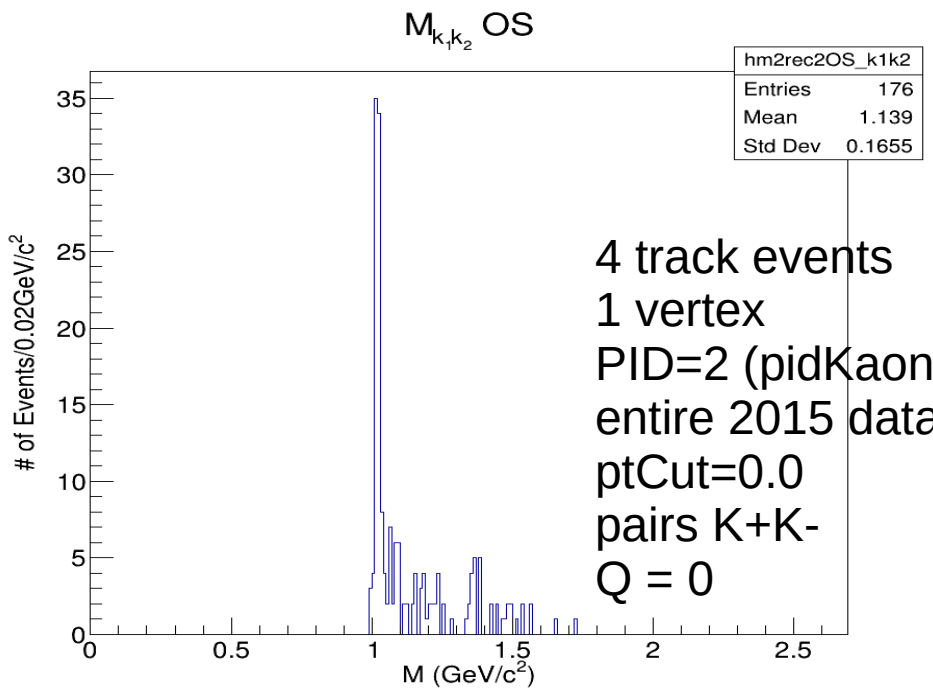
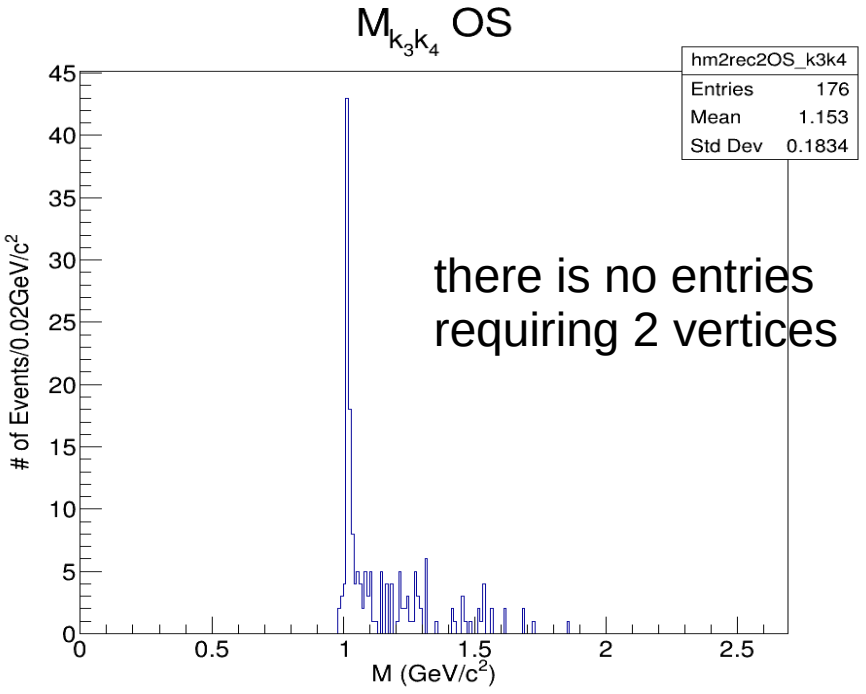


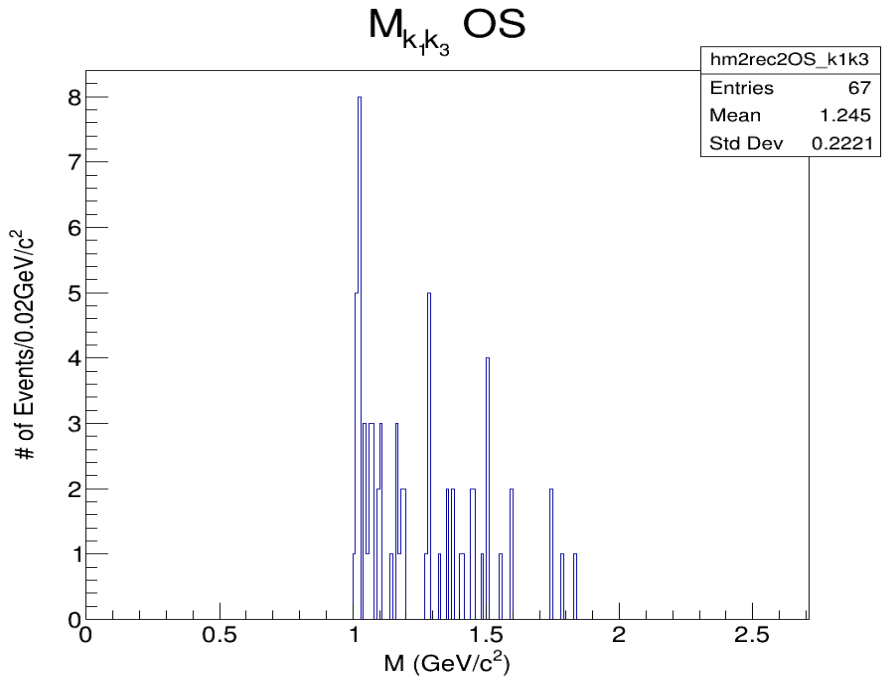
Figure 17: Particle identification in the dE/dx vs p space. Entries populate regions, in which tracks are classified as pions (**bottom left**), kaons (**top left**), protons (**top right**), or remain undefined (**bottom right**). Red curves bracket the $\pm 2.56\sigma$ region around the kaon average dE/dx, while the black curve marks the $+2.56\sigma$ bound above the pion average dE/dx.

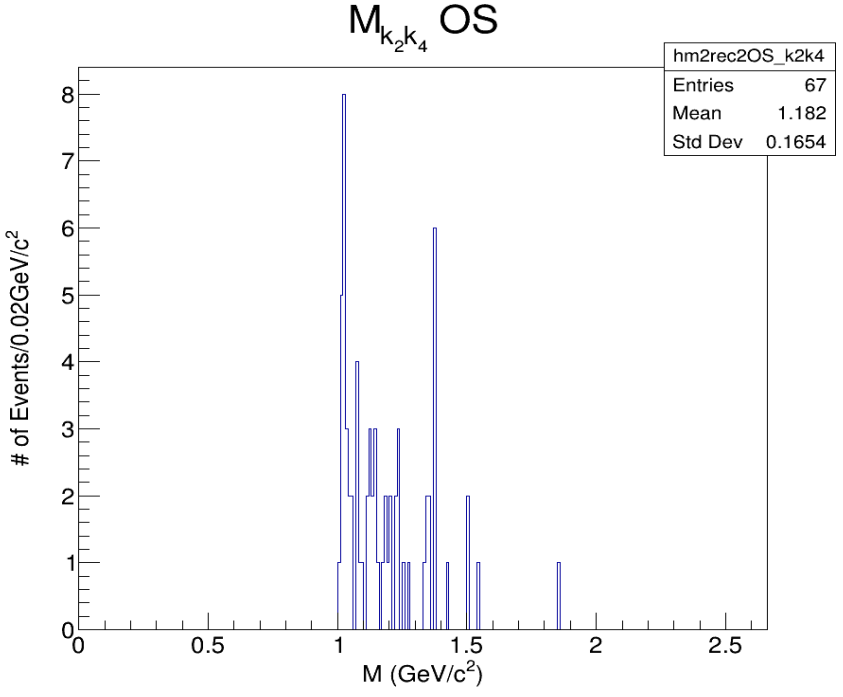


4 track events
1 vertex
PID=2 (pidKaon)
entire 2015 data
ptCut=0.0
pairs K+K-
Q = 0

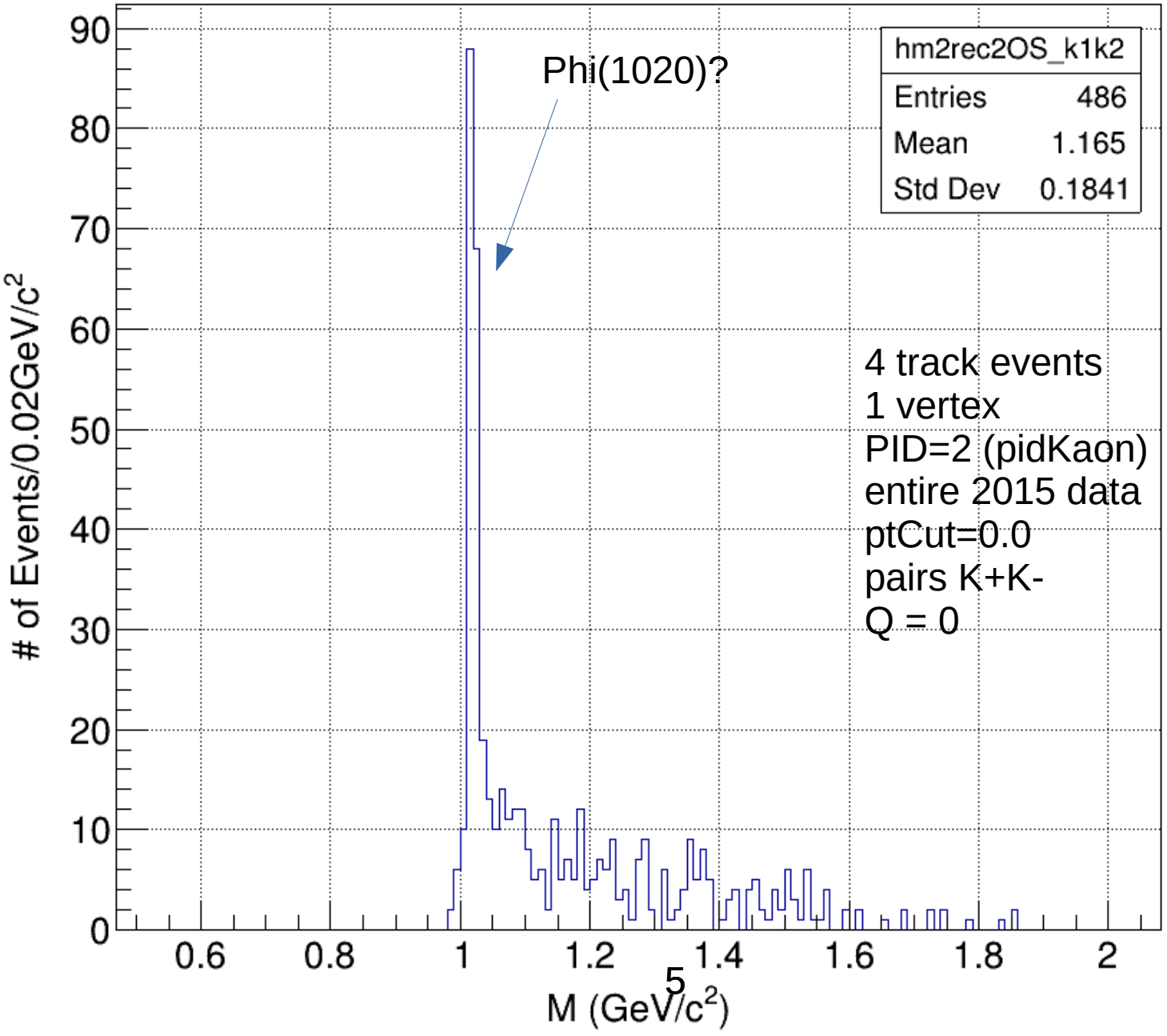


there is no entries
requiring 2 vertices





$M_{k_1k_2}+M_{k_3k_4}+M_{k_1k_3}+M_{k_2k_2}$ OS



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