

KaonLT Analysis Update

(Pion PID Study)

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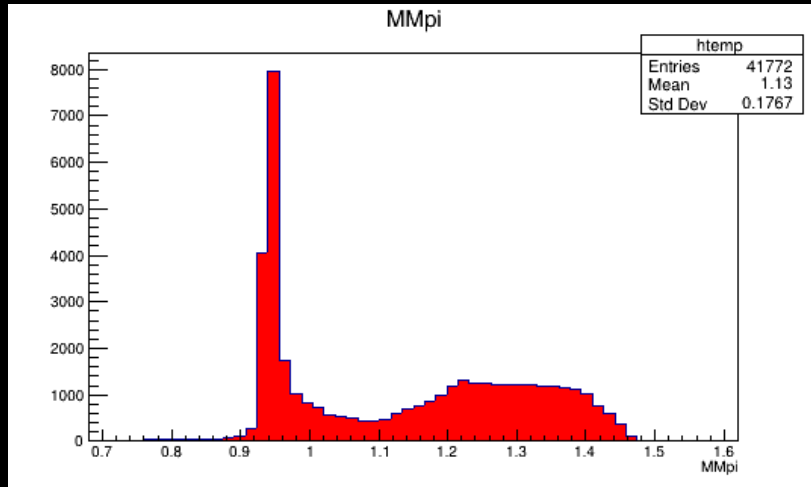


Preview

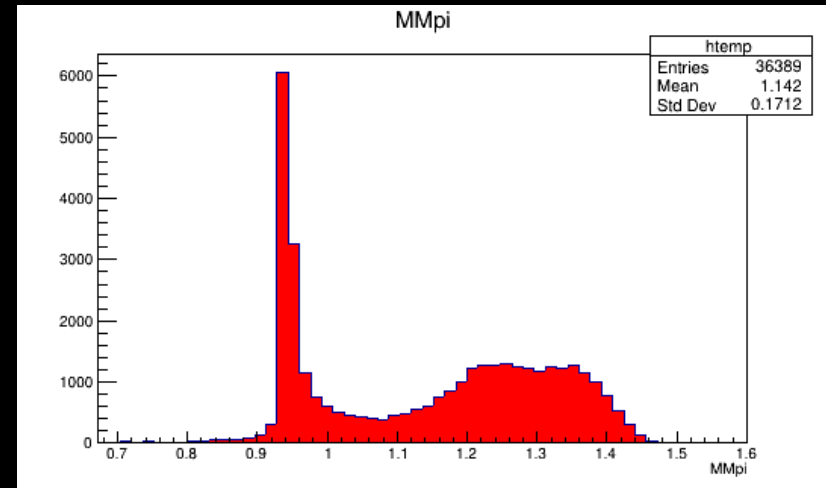
- Looked at all KaonLT High Q2 data. ($Q2 > 2.0$)
- Using HGC to remove any Kaon leak through.
 - Accept. + PID + epi CTime
- Showing all low e data. (Spring 2019 data)
 - High e data is still running.
 - Will add those plots once ready.

$Q = 3.0, W = 2.32$ (Low e)

Center

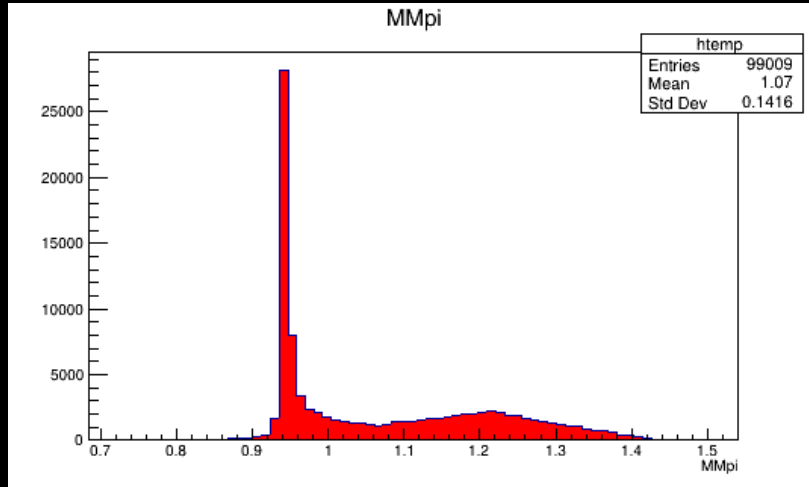


Left

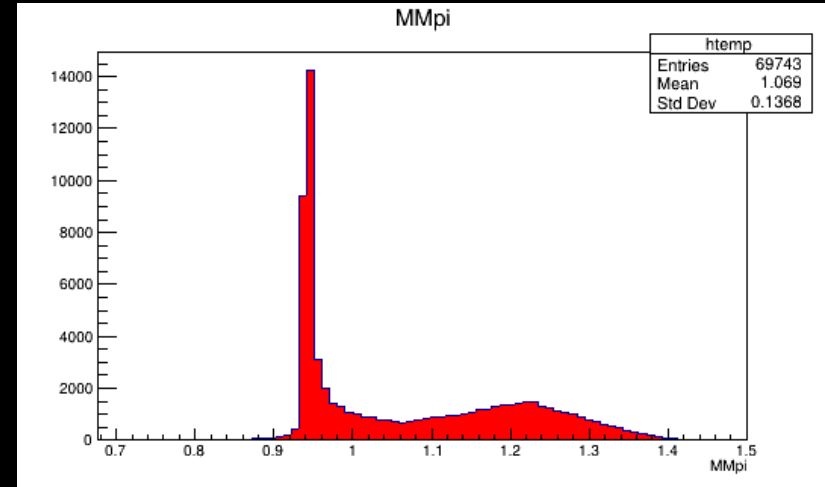


$Q = 2.1, W = 2.95$ (Low e)

Center

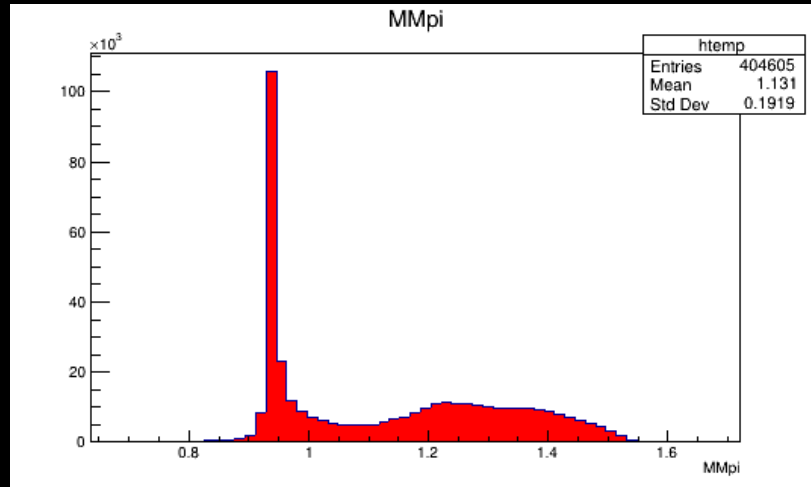


Left

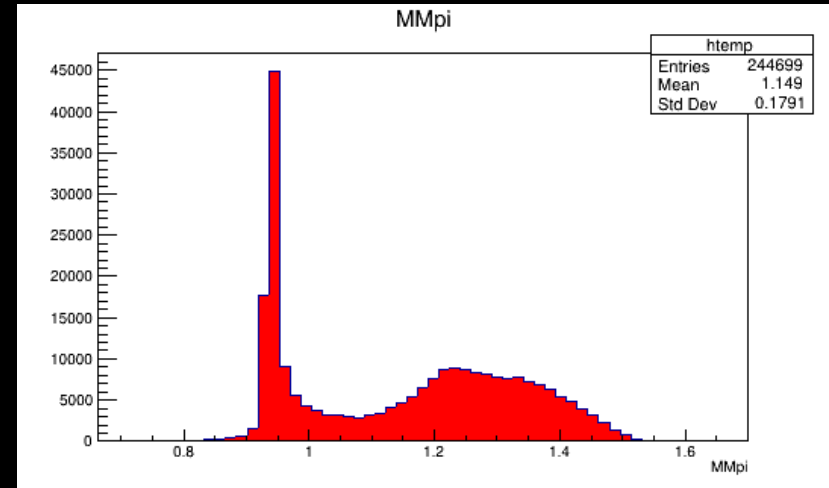


$Q = 3.0, W = 3.14$ (Low e)

Center

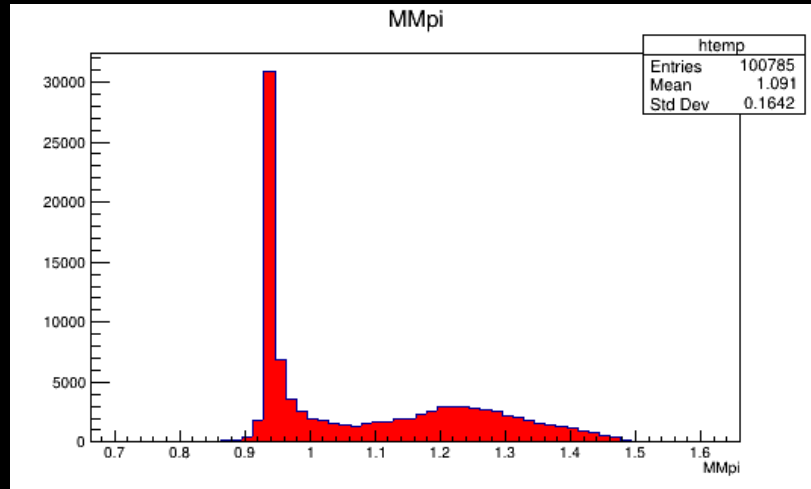


Left

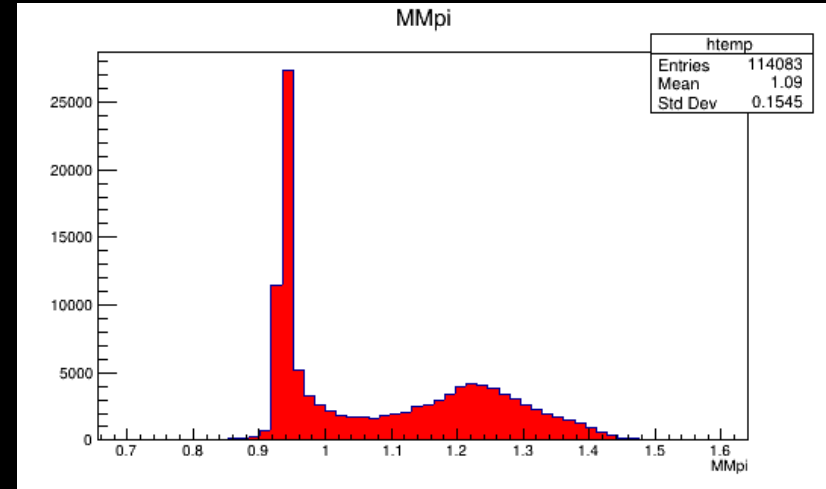


$Q = 4.4, W = 2.74$ (Low e)

Center

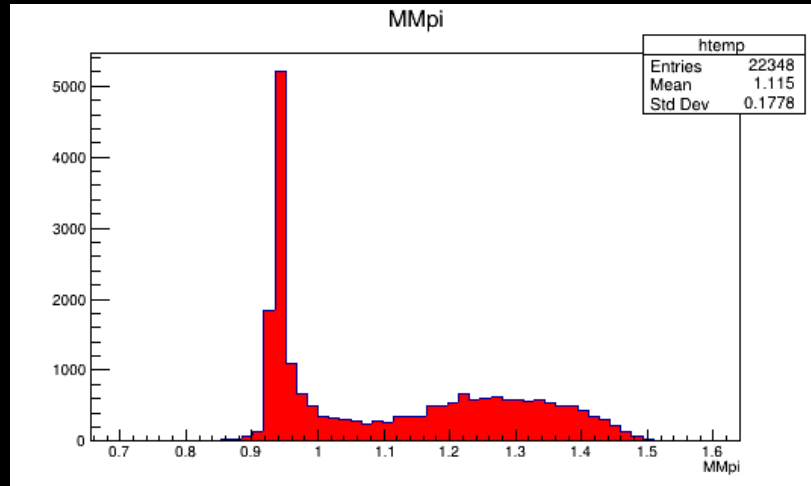


Left

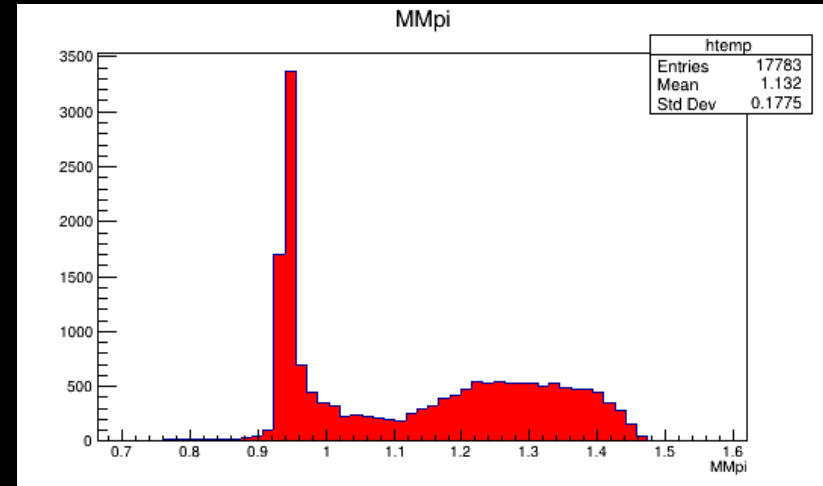


$Q = 5.5, W = 3.02$ (Low e)

Center



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Summary

- Pion PID for all high Q2 KaonLT data is almost complete.
 - High e data will be finished in 1-2 days
- No kaon or proton leak through.

To do list

- Need to finish yield and all related corrections.
- Will start comparing with SIMC.