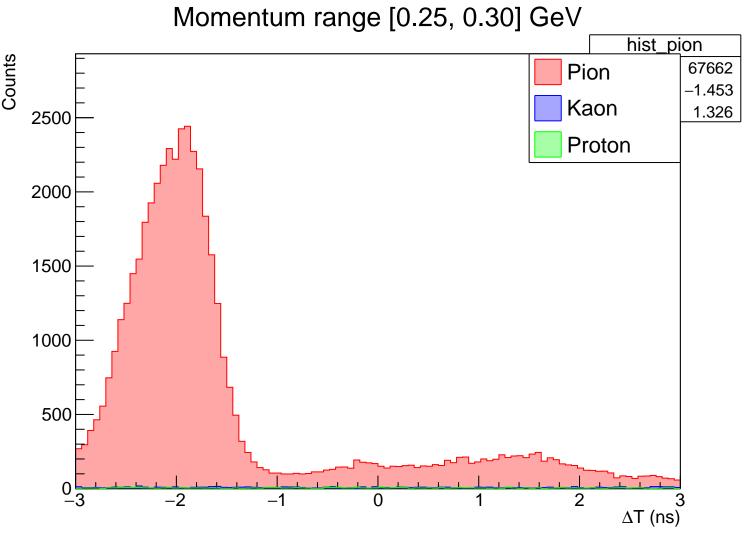
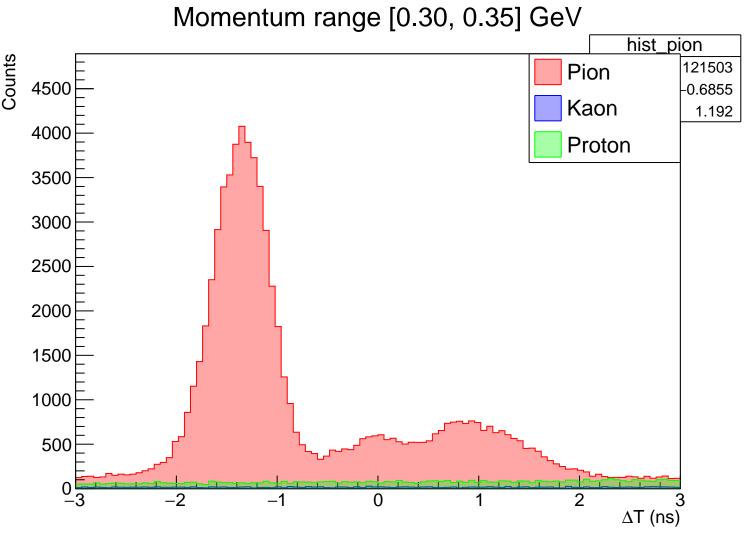
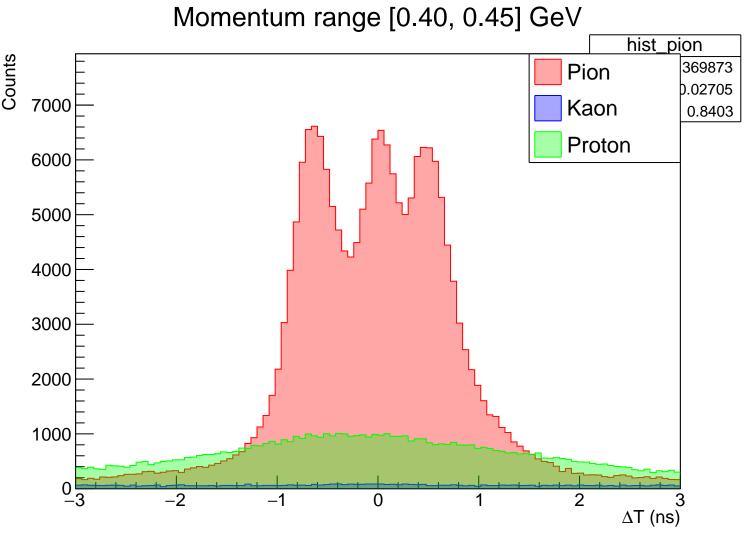
Momentum range [0.20, 0.25] GeV hist_pion Counts 22169 Pion -1.086600 Kaon 2.041 Proton 500 400 300 200 100 ΔT (ns)



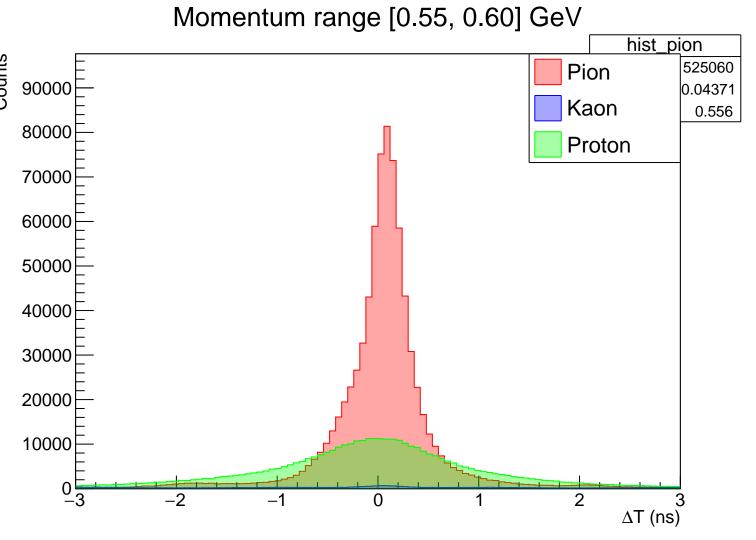


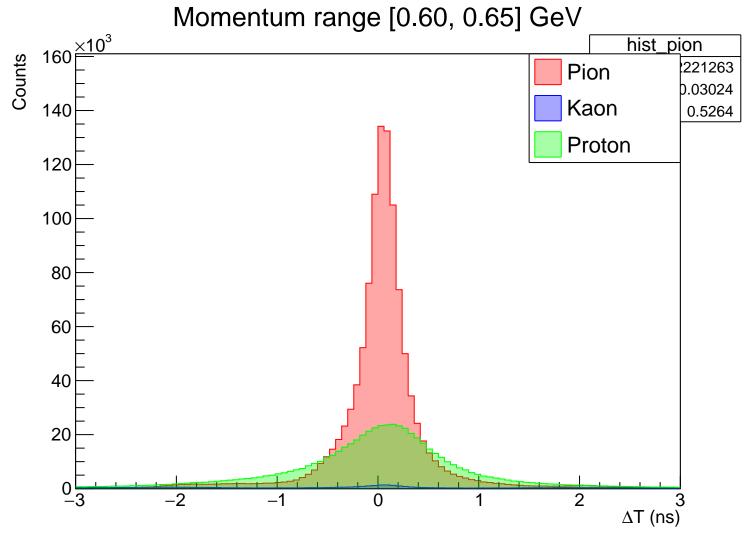
Momentum range [0.35, 0.40] GeV hist_pion 218070 Pion 6000 -0.2236 Kaon 1.025 Proton 5000 4000 3000 2000 1000 0 3 ΔT (ns)



Momentum range [0.45, 0.50] GeV hist_pion 18000 603496 Pion 0.03222 Kaon 16000 0.7146 **Proton** 14000 12000 10000 8000 6000 4000 2000 0 3 ΔT (ns)

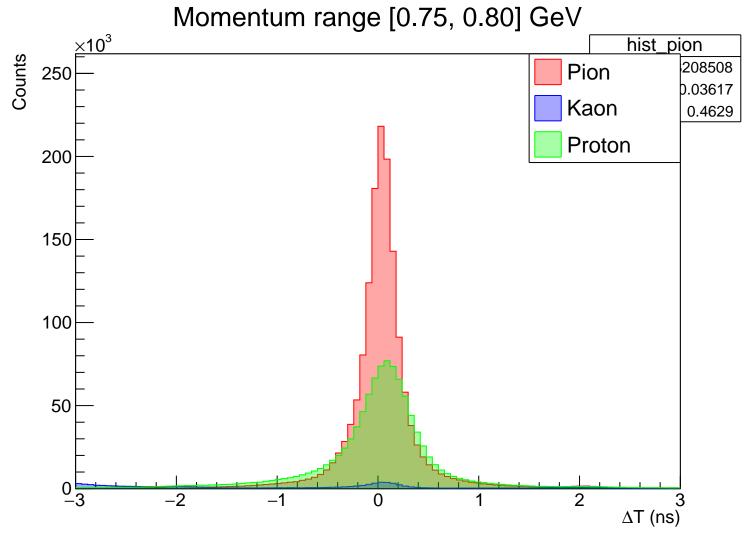
Momentum range [0.50, 0.55] GeV hist_pion 45000 994621 Pion .05753 Kaon 40000 0.6153 **Proton** 35000 30000 25000 20000 15000 10000 5000 ΔT (ns)

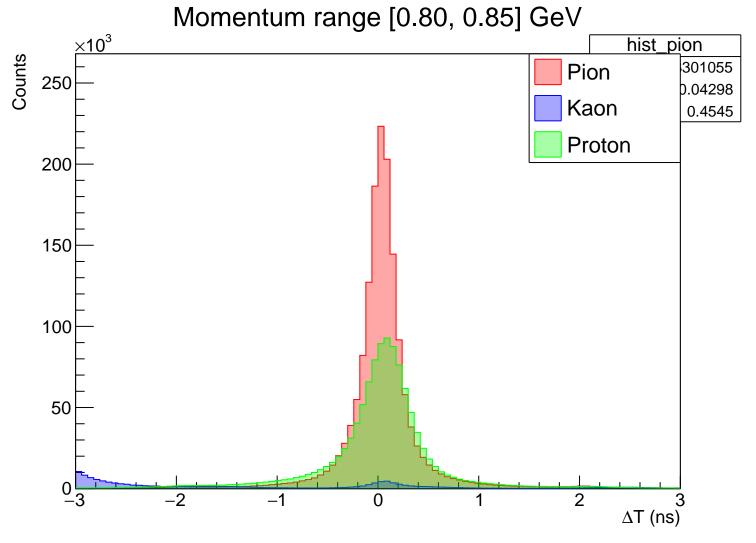


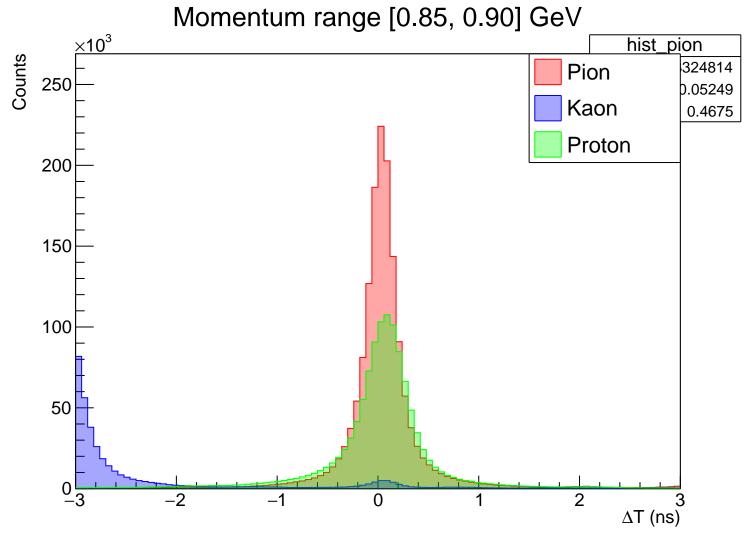


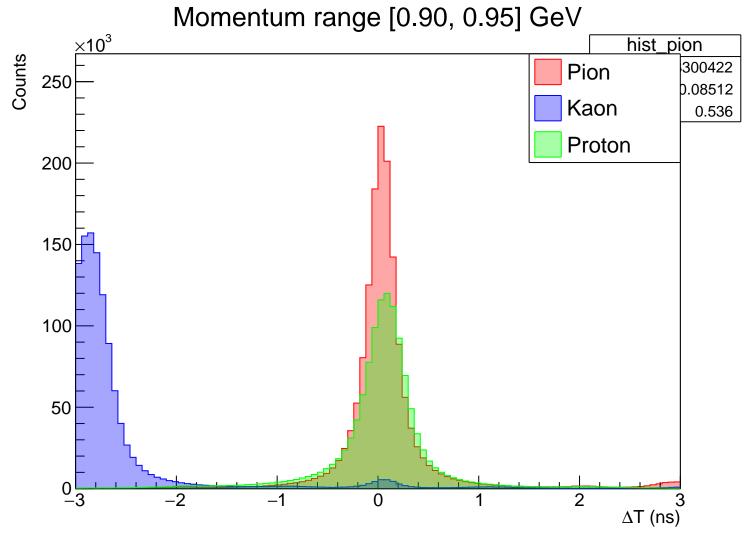
Momentum range [0.65, 0.70] GeV $\times 10^3$ hist_pion Counts 707105 Pion 200 0.02781 Kaon 0.495 180 Proton 160 140 120 100 80 60 40 20 05 $\Delta T (ns)$

Momentum range [0.70, 0.75] GeV 240 × 10³ hist_pion Counts 004530 Pion 0.03321 220 Kaon 0.4739 200 **Proton** 180 160 140 120 100 80 60 40 20 05 ΔT (ns)









Momentum range [0.95, 1.00] GeV $\times 10^3$ hist_pion Counts 244686 Pion 250 0.1144 Kaon 0.5846 Proton 200 150 100 50 0_3 ΔT (ns)

Momentum range [1.00, 1.05] GeV 250 × 10³ hist_pion Counts 167422 Pion 0.1249 Kaon 0.5787 Proton 200 150 100 50 0_3 ΔT (ns)

Momentum range [1.05, 1.10] GeV $\times 10^3$ hist_pion Counts 240 075922 Pion 0.126 220 Kaon 0.5688 200 **Proton** 180 160 140 120 100 80 60 40 20 0 = 3 ΔT (ns)

Momentum range [1.10, 1.15] GeV $\times 10^3$ hist_pion Counts 977272 Pion 220 0.1298 Kaon 0.5588 200 Proton 180 160 140 120 100 80 60 40 20 0=3 ΔT (ns)

Momentum range [1.15, 1.20] GeV $\times 10^3$ hist_pion Counts 2869721 Pion 220 0.1367 Kaon 200 0.5468 Proton 180 160 140 120 100 80 60 40 20 0 = 3 ΔT (ns)

Momentum range [1.20, 1.25] GeV 220 × 10³ hist_pion Counts 758656 Pion 0.1359 200 Kaon 0.5327 180 **Proton** 160 140 120 100 80 60 40 20 0 5 ΔT (ns)

Momentum range [1.25, 1.30] GeV $\times 10^3$ hist_pion Counts 643093 Pion 200 0.1323 Kaon 0.5226 180 Proton 160 140 120 100 80 60 40 20 05 $\Delta T (ns)$

Momentum range [1.30, 1.35] GeV 200 × 10³ hist_pion Counts 522132 Pion 0.135 180 Kaon 0.5151 Proton 160 140 120 100 80 60 40 20 0 5 ΔT (ns)

Momentum range [1.35, 1.40] GeV $\times 10^3$ hist_pion Counts 405147 Pion 180 0.1394 Kaon 0.5082 160 Proton 140 120 100 80 60 40 20 0 5 ΔT (ns)

Momentum range [1.40, 1.45] GeV $\times 10^3$ hist_pion Counts 180 2288521 Pion 0.1432 Kaon 160 0.5043 Proton 140 120 100 80 60 40 20 0 5 ΔT (ns)

Momentum range [1.45, 1.50] GeV ×10³ hist_pion Counts 168957 Pion 0.1458 160 Kaon 0.5072 Proton 140 120 100 80 60 40 20 0_3 ΔT (ns)

Momentum range [1.50, 1.55] GeV $\times 10^3$ hist_pion Counts 052045 Pion 160 0.1519 Kaon 0.5152 140 Proton 120 100 80 60 40 20 0_3 ΔT (ns)

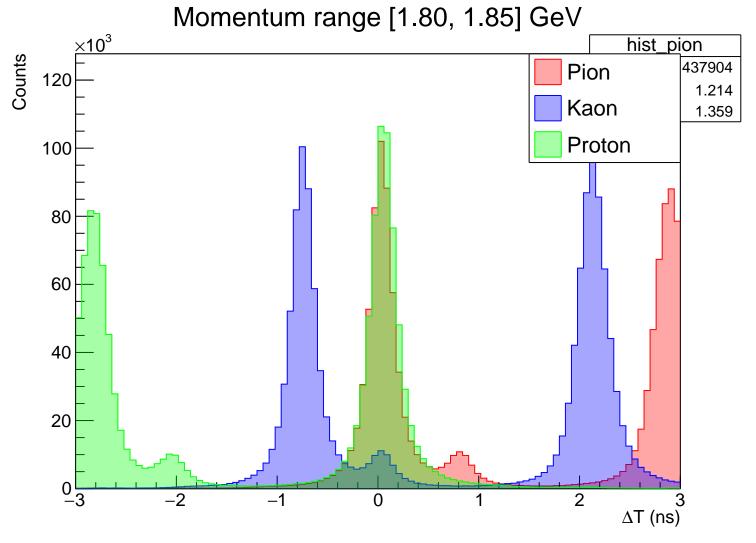
Momentum range [1.55, 1.60] GeV 160^{×10³} hist_pion Counts 941605 Pion 0.1618 Kaon 0.5412 140 Proton 120 100 80 60 40 20 0_3 ΔT (ns)

Momentum range [1.60, 1.65] GeV $\times 10^3$ hist_pion Counts 832497 Pion 0.1853 140 Kaon 0.5883 Proton 120 100 80 60 40 20 0_3 ΔT (ns)

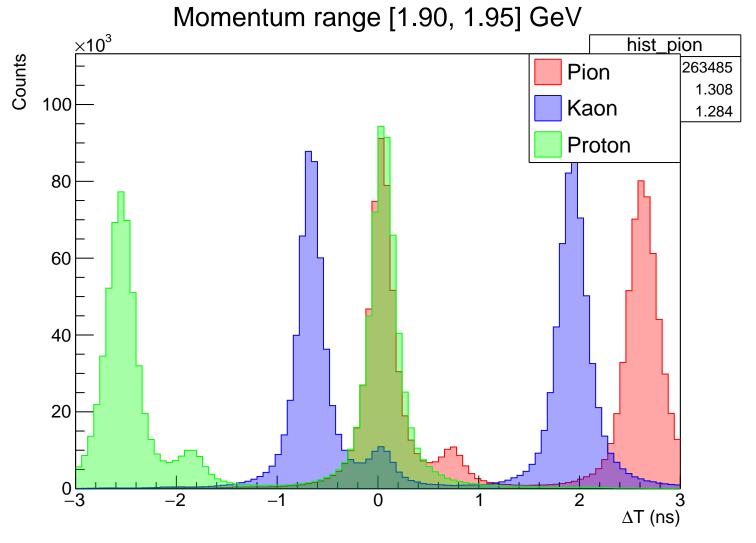
Momentum range [1.65, 1.70] GeV $\times 10^3$ hist_pion Counts 726369 Pion 140 0.2408 Kaon 0.6921 120 Proton 100 80 60 40 20 0_3 ΔT (ns)

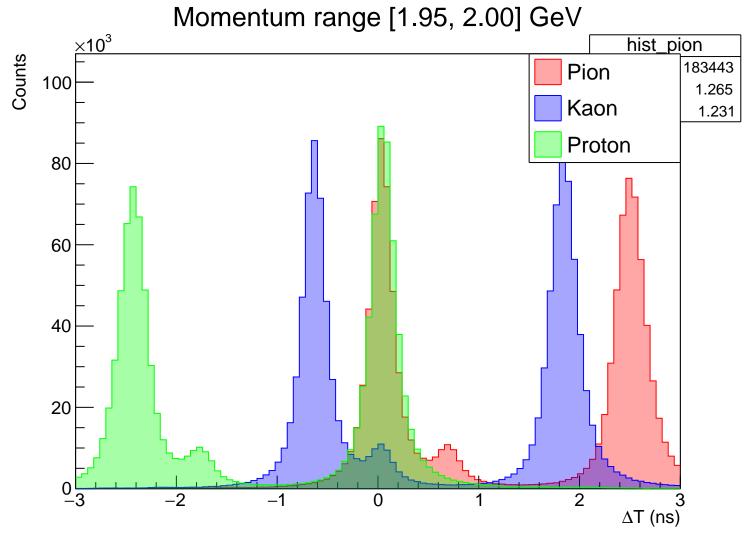
Momentum range [1.70, 1.75] GeV 140^{×10³} hist_pion Counts 626686 Pion 0.4208 Kaon 0.9401 120 Proton 100 80 60 40 20 0_3 ΔT (ns)

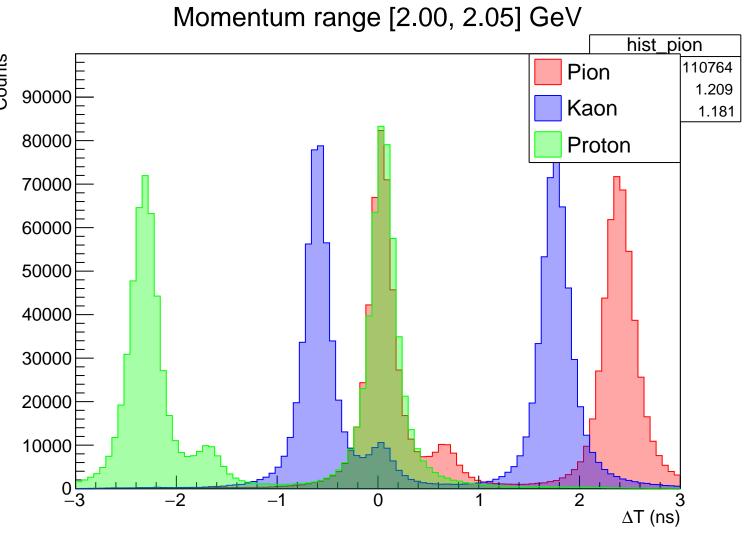
Momentum range [1.75, 1.80] GeV $\times 10^3$ hist_pion Counts 530603 Pion 0.8532 120 Kaon 1.261 Proton 100 80 60 40 20 0_3 ΔT (ns)



Momentum range [1.85, 1.90] GeV 120×10³ hist_pion Counts 349233 Pion 1.324 Kaon 1.334 100 Proton 80 60 40 20 0_3 ΔT (ns)





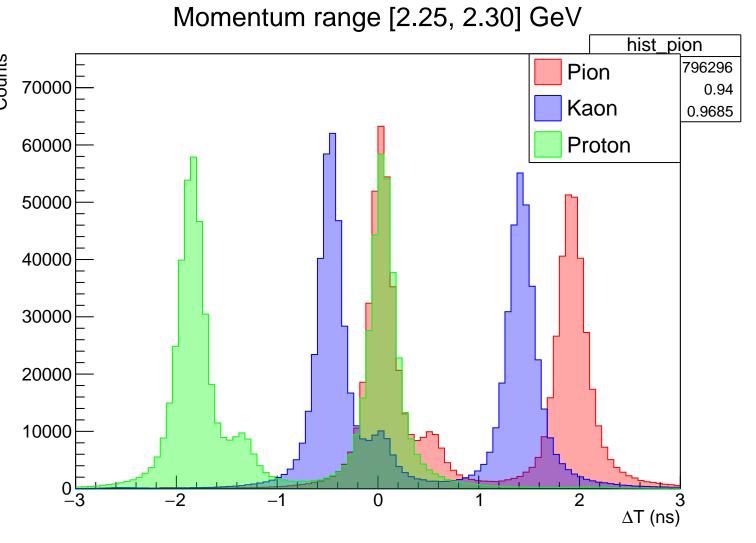


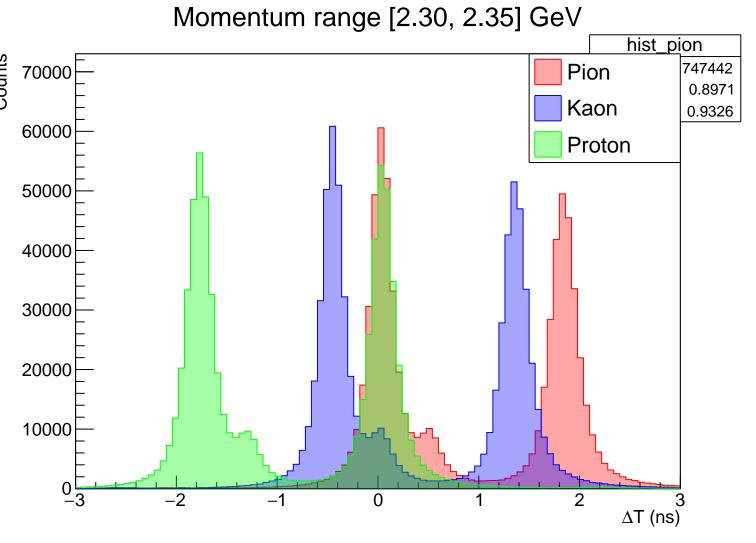
Momentum range [2.05, 2.10] GeV hist_pion 90000 041071 Pion 1.153 Kaon 1.134 80000 **Proton** 70000 60000 50000 40000 30000 20000 10000 ΔT (ns)

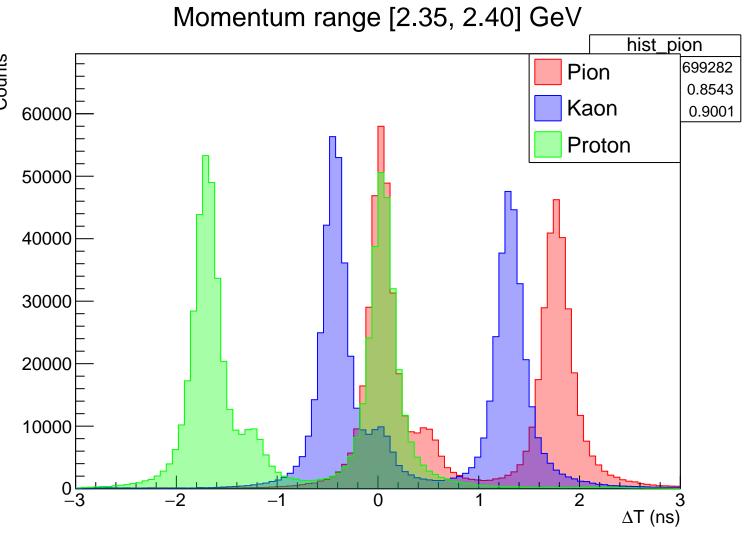
Momentum range [2.10, 2.15] GeV hist_pion 974097 Pion 1.096 80000 Kaon 1.088 **Proton** 70000 60000 50000 40000 30000 20000 10000 ΔT (ns)

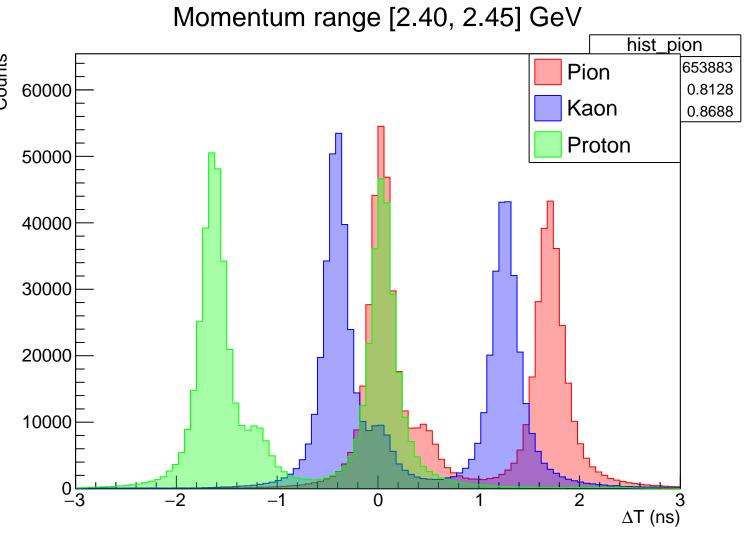
Momentum range [2.15, 2.20] GeV hist_pion 908881 Pion 80000 1.04 Kaon 1.046 70000 **Proton** 60000 50000 40000 30000 20000 10000 ΔT (ns)

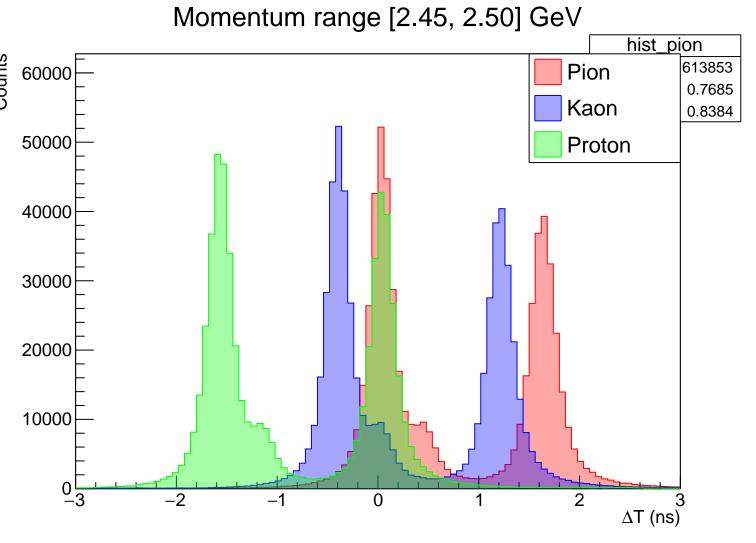
Momentum range [2.20, 2.25] GeV hist_pion 80000F 854164 Pion 0.9934 Kaon 70000 1.006 **Proton** 60000 50000 40000 30000 20000 10000 ΔT (ns)

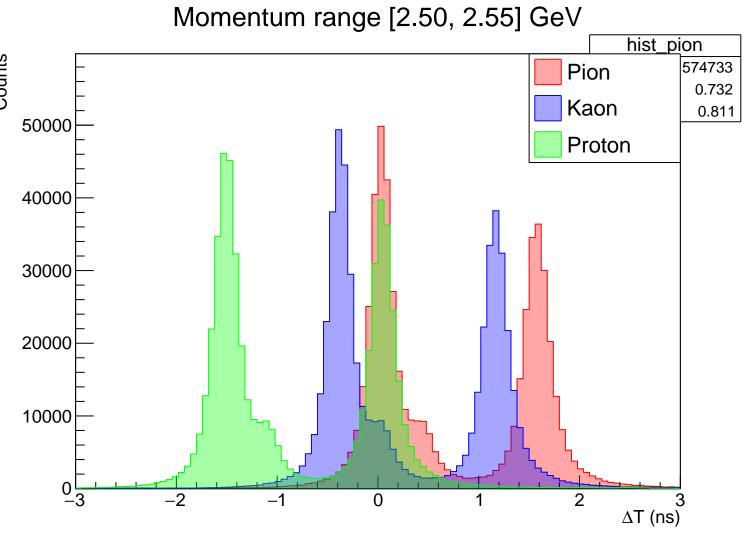




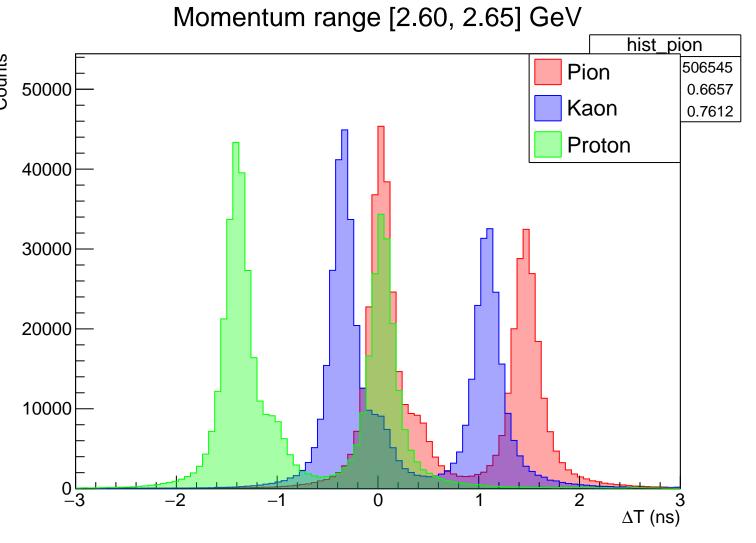








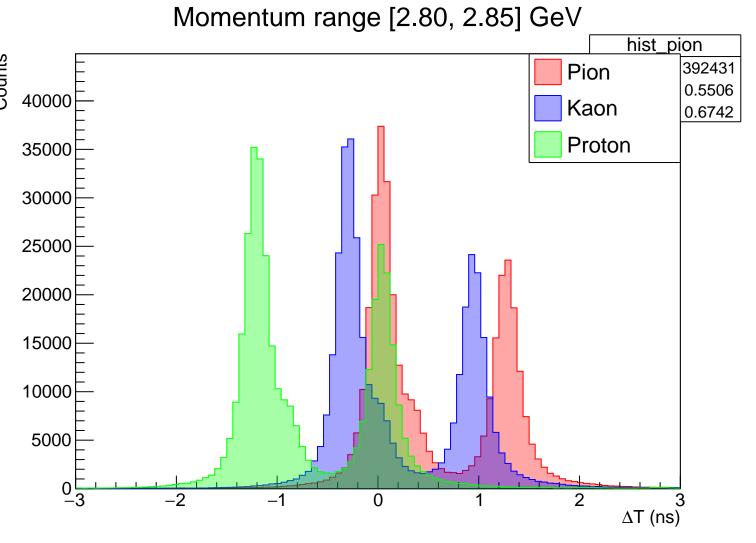
Momentum range [2.55, 2.60] GeV hist_pion 540603 Pion 0.6973 Kaon 50000 0.7843 **Proton** 40000 30000 20000 10000 ΔT (ns)



Momentum range [2.65, 2.70] GeV hist_pion 50000 474885 Pion 0.6318 Kaon 0.7355 **Proton** 40000 30000 20000 10000 0_3 ΔT (ns)

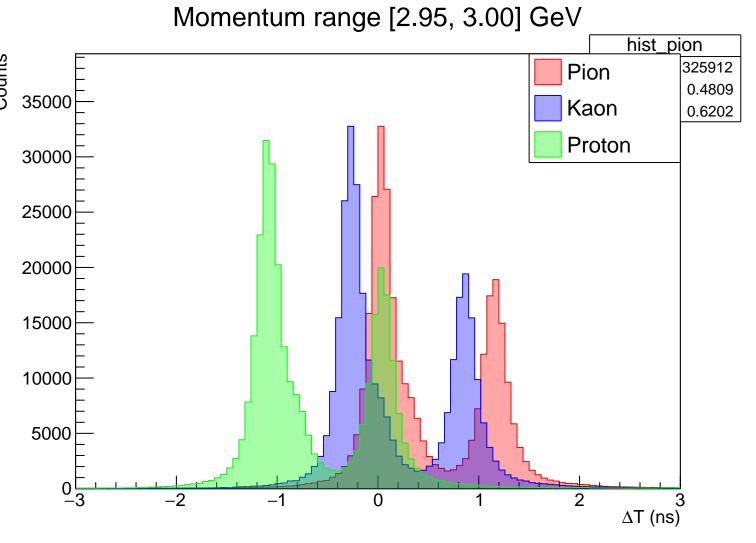
Momentum range [2.70, 2.75] GeV hist_pion 445287 Pion 0.6053 45000 Kaon 0.7146 40000 **Proton** 35000 30000 25000 20000 15000 10000 5000 0 5 $\Delta T (ns)$

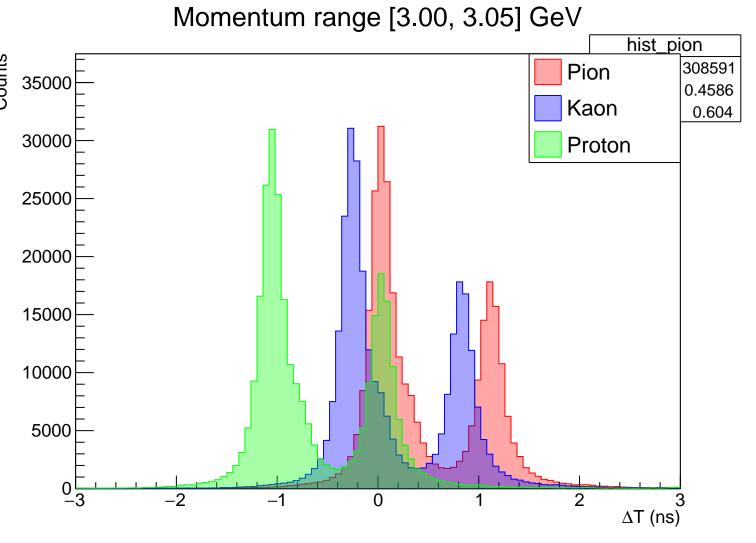
Momentum range [2.75, 2.80] GeV hist_pion 416292 45000 Pion 0.5751 Kaon 0.6917 40000 **Proton** 35000 30000 25000 20000 15000 10000 5000 $\Delta T (ns)$



Momentum range [2.85, 2.90] GeV hist_pion 368301 Pion 40000 0.5259 Kaon 0.6552 35000 **Proton** 30000 25000 20000 15000 10000 5000 ΔT (ns)

Momentum range [2.90, 2.95] GeV hist_pion 40000 347079 Pion 0.5052 Kaon 0.6382 35000 **Proton** 30000 25000 20000 15000 10000 5000 $\Delta T (ns)$





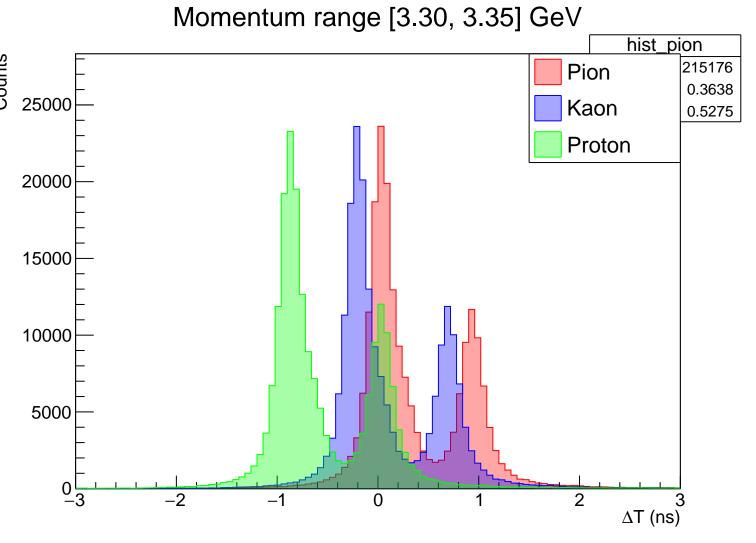
Momentum range [3.05, 3.10] GeV hist_pion 35000 289588 Pion 0.4418 Kaon 0.5895 30000 **Proton** 25000 20000 15000 10000 5000 ΔT (ns)

Momentum range [3.10, 3.15] GeV hist_pion 272171 Pion 0.423 30000 Kaon 0.5775 **Proton** 25000 20000 15000 10000 5000 $\Delta T (ns)$

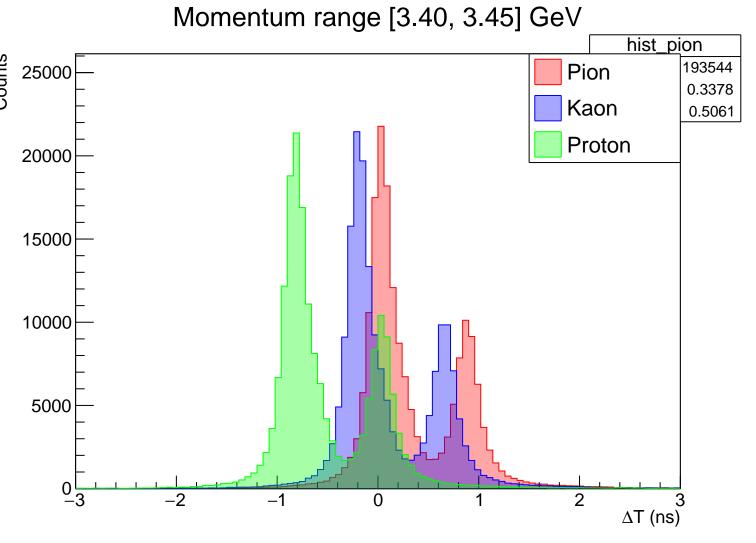
Momentum range [3.15, 3.20] GeV hist_pion 257882 Pion 30000 0.4087 Kaon 0.5605 **Proton** 25000 20000 15000 10000 5000 0_3 ΔT (ns)

Momentum range [3.20, 3.25] GeV hist_pion 30000 241944 Pion 0.3912 Kaon 0.5502 25000 **Proton** 20000 15000 10000 5000 0_3 ΔT (ns)

Momentum range [3.25, 3.30] GeV hist_pion 227598 Pion 0.3771 Kaon 0.5354 25000 **Proton** 20000 15000 10000 5000 0_3 ΔT (ns)



Momentum range [3.35, 3.40] GeV hist_pion 203255 Pion 25000 0.3492 Kaon 0.517 **Proton** 20000 15000 10000 5000 0_3 ΔT (ns)



Momentum range [3.45, 3.50] GeV hist_pion 24000 180892 Pion 0.3253 22000 Kaon 0.4976 20000 **Proton** 18000 16000 14000 12000 10000 8000 6000 4000 2000 0^L ΔT (ns)

Momentum range [3.50, 3.55] GeV hist_pion Pion 0.3164 Kaon 0.4879 **Proton** ΔT (ns)

Momentum range [3.55, 3.60] GeV hist_pion Pion 0.3031 Kaon 0.4812 **Proton** ΔT (ns)

Momentum range [3.60, 3.65] GeV hist_pion 152465 Pion 20000 0.2943 Kaon 0.4719 18000 **Proton** 16000 14000 12000 10000 8000 6000 4000 2000 ΔT (ns)

Momentum range [3.65, 3.70] GeV hist_pion 20000 F 144451 Pion 0.2868 18000 Kaon 0.4674 16000 **Proton** 14000 12000 10000 8000 6000 4000 2000 05 ΔT (ns)

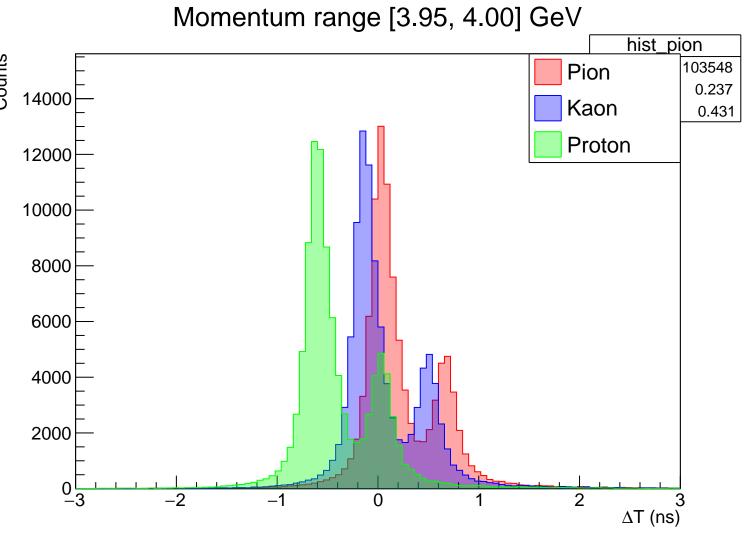
Momentum range [3.70, 3.75] GeV hist_pion 137059 Pion 18000 0.2766 Kaon 0.4607 16000 **Proton** 14000 12000 10000 8000 6000 4000 2000 ΔT (ns)

Momentum range [3.75, 3.80] GeV hist_pion 18000 128998 Pion 0.2658 Kaon 16000 0.456 **Proton** 14000 12000 10000 8000 6000 4000 2000 ΔT (ns)

Momentum range [3.80, 3.85] GeV hist_pion 123023 Pion 0.2571 16000 Kaon 0.4477 **Proton** 14000 12000 10000 8000 6000 4000 2000 ΔT (ns)

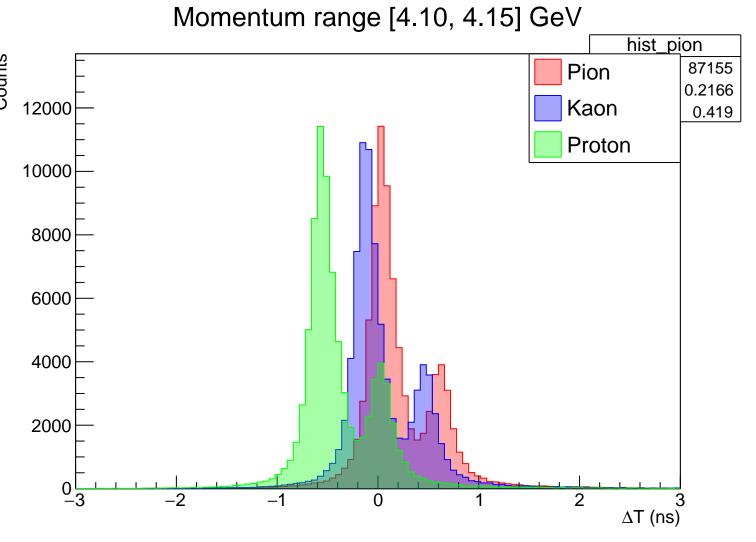
Momentum range [3.85, 3.90] GeV hist_pion 116779 Pion 16000 0.2514 Kaon 0.4436 14000 **Proton** 12000 10000 8000 6000 4000 2000 ΔT (ns)

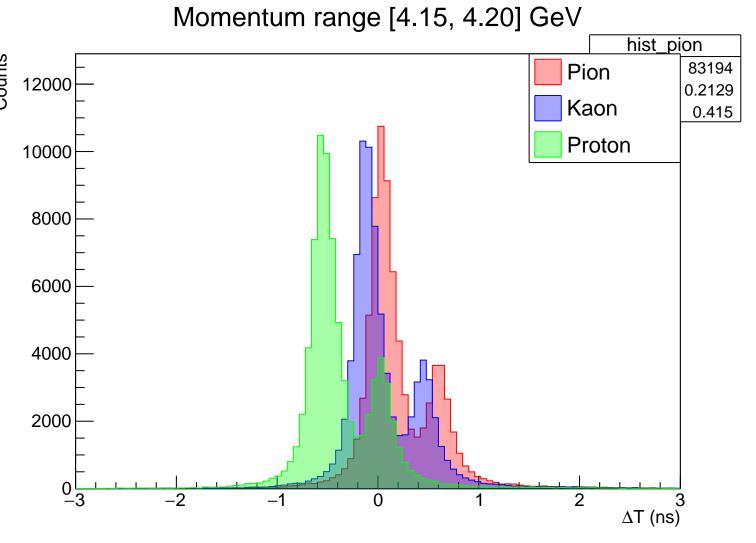
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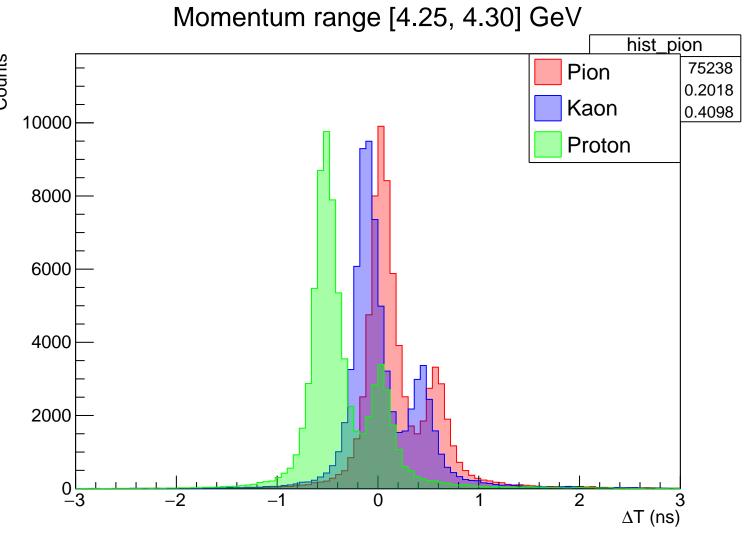
Momentum range [4.00, 4.05] GeV hist_pion 97780 Pion 14000 0.2291 Kaon 0.4253 12000 **Proton** 10000 8000 6000 4000 2000 0_3 ΔT (ns)

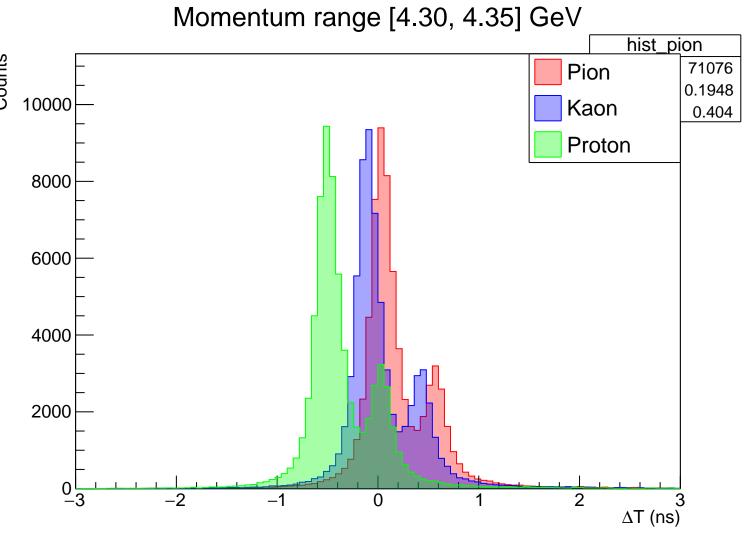
Momentum range [4.05, 4.10] GeV hist_pion 14000 92647 Pion 0.2253 Kaon 0.4218 12000 **Proton** 10000 8000 6000 4000 2000 0_3 ΔT (ns)

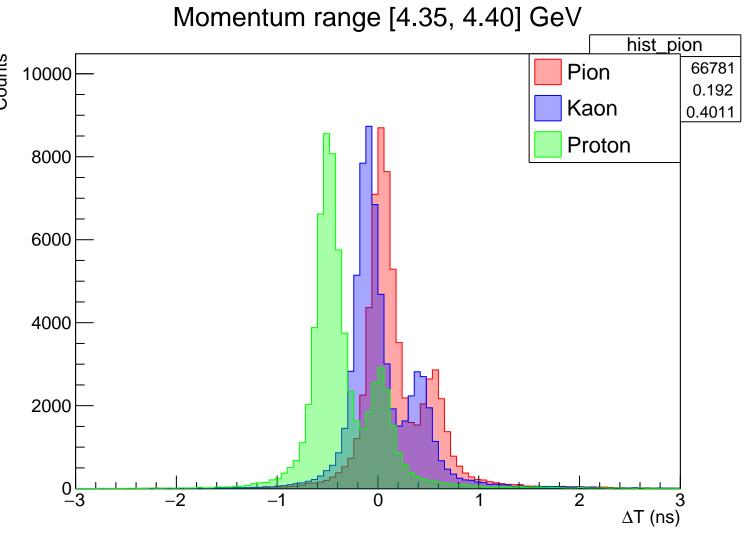


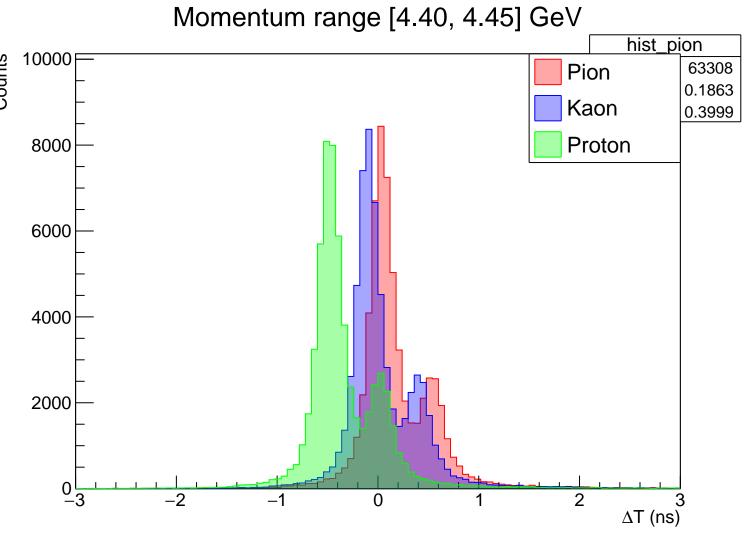


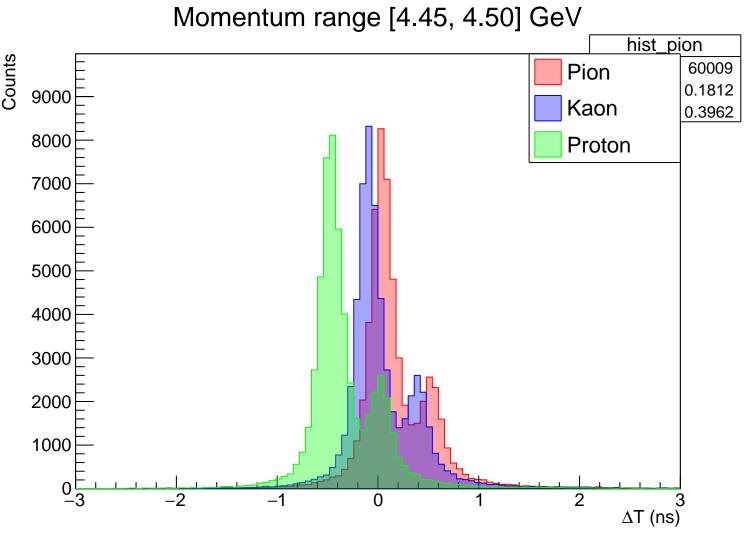
Momentum range [4.20, 4.25] GeV hist_pion 12000 78538 Pion 0.2068 Kaon 0.4112 10000 **Proton** 8000 6000 4000 2000 0 2 $\Delta T (ns)$



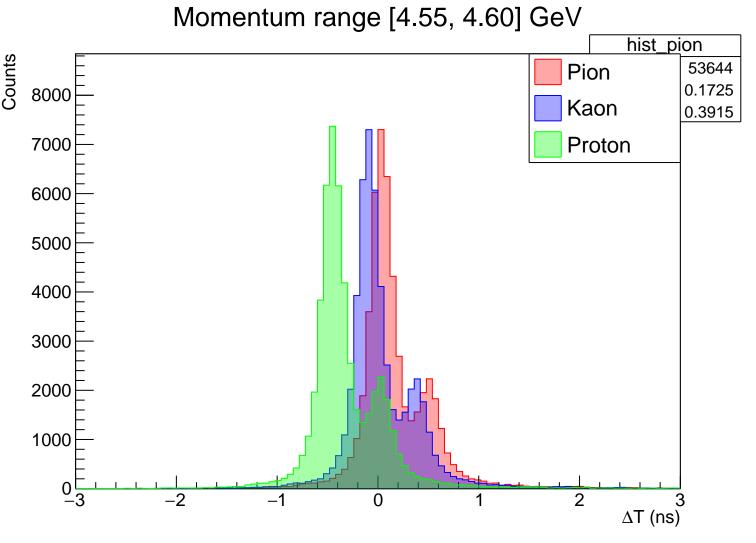


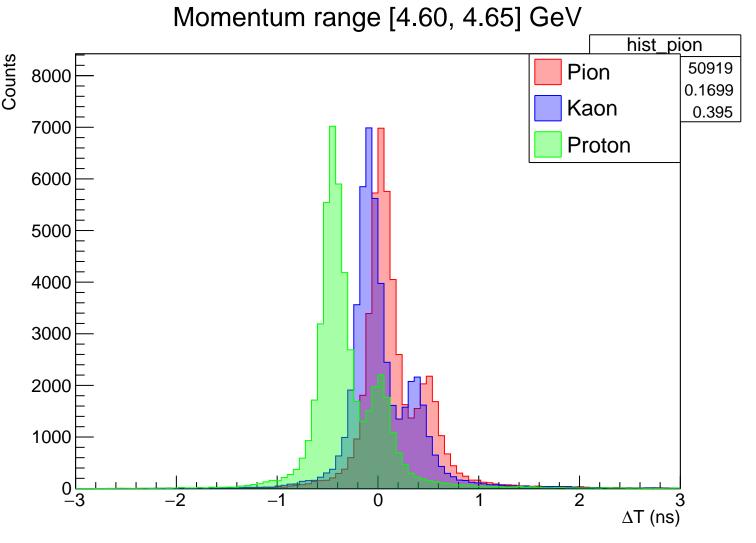






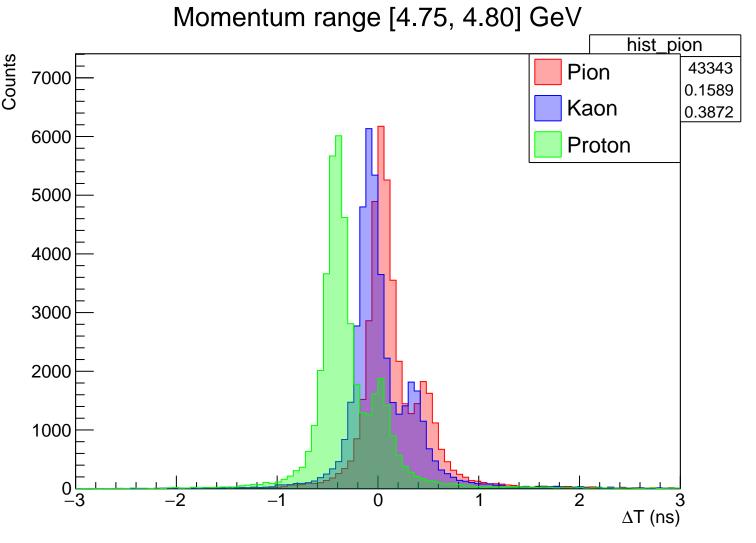
Momentum range [4.50, 4.55] GeV hist_pion 56358 9000 Pion 0.1815 Kaon 0.3965 8000 **Proton** 7000 6000 5000 4000 3000 2000 1000 05 ΔT (ns)



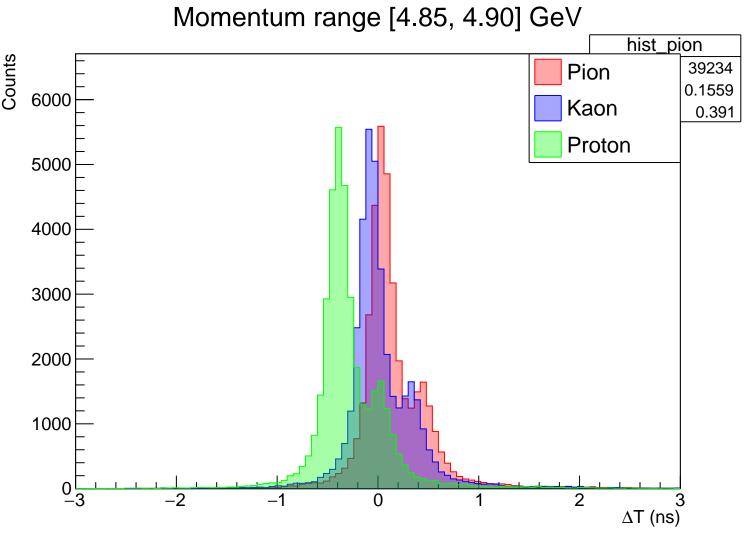


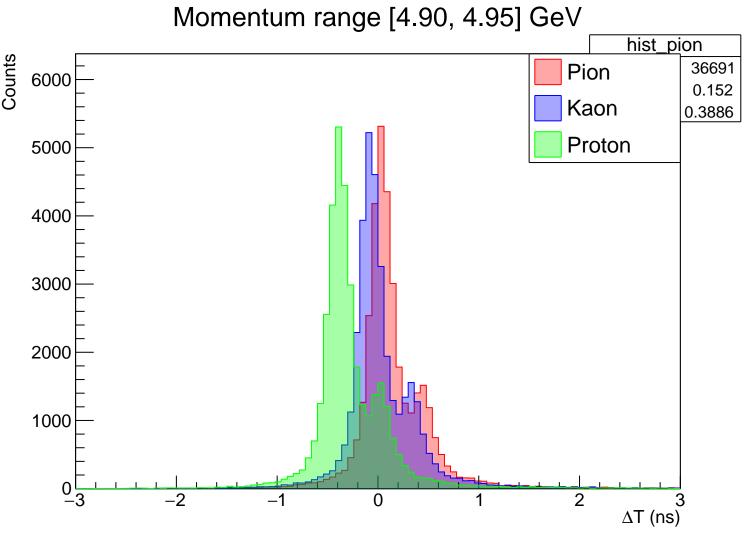
Momentum range [4.65, 4.70] GeV hist_pion 8000 48388 Pion 0.1655 Kaon 7000 0.3951 **Proton** 6000 5000 4000 3000 2000 1000 ΔT (ns)

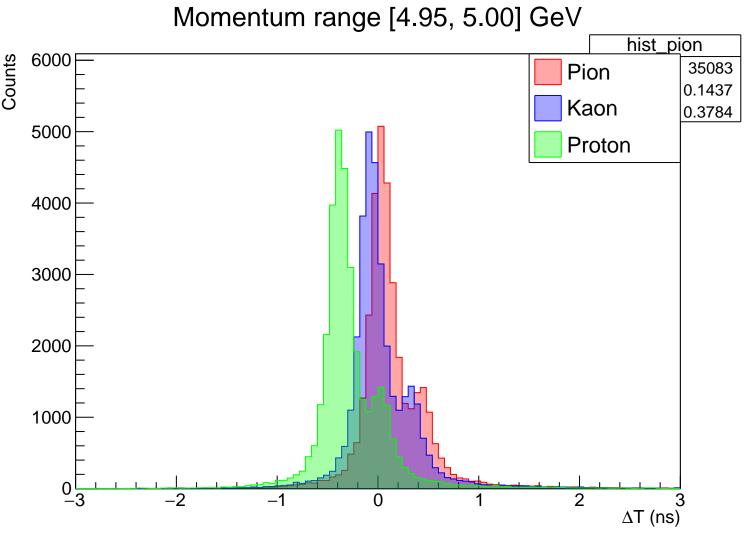
Momentum range [4.70, 4.75] GeV hist_pion 45419 Pion 7000 0.1622 Kaon 0.3856 6000 Proton 5000 4000 3000 2000 1000 $\Delta T (ns)$

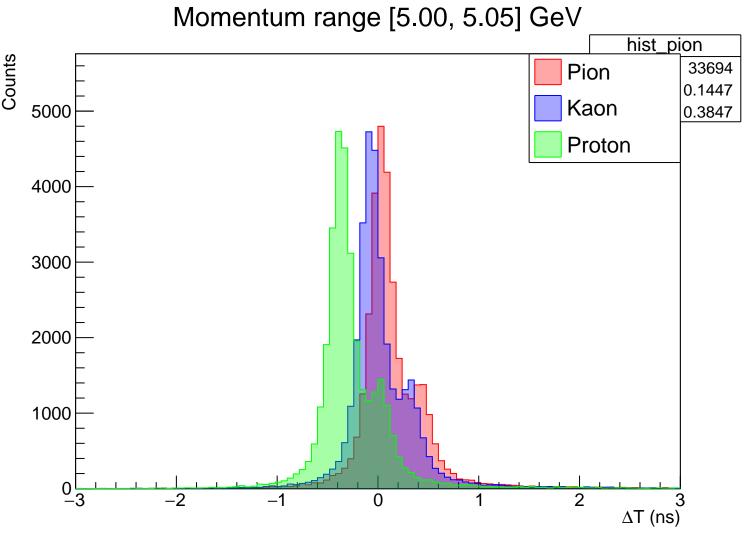


Momentum range [4.80, 4.85] GeV hist_pion 7000 40972 Pion 0.154 Kaon 0.3807 6000 **Proton** 5000 4000 3000 2000 1000 ΔT (ns)









Momentum range [5.05, 5.10] GeV hist_pion Counts 31302 Pion 5000 0.142 Kaon 0.3877 Proton 4000 3000 2000 1000 0 2 ΔT (ns)

Momentum range [5.10, 5.15] GeV hist_pion 5000 F 29480 Pion 0.1381 Kaon 0.3858 Proton 4000 3000 2000 1000 0 2 $\Delta T (ns)$

Momentum range [5.15, 5.20] GeV hist_pion 28130 Pion 4500 0.1393 Kaon 0.383 4000 **Proton** 3500 3000 2500 2000 1500 1000 500 05 $\Delta T (ns)$

Momentum range [5.20, 5.25] GeV hist_pion Counts 4500 26616 Pion 0.1373 Kaon 0.3848 4000 **Proton** 3500 3000 2500 2000 1500 1000 500 05 ΔT (ns)

Momentum range [5.25, 5.30] GeV hist_pion 4500 25364 Pion 0.1326 Kaon 4000 0.3812 **Proton** 3500 3000 2500 2000 1500 1000 500 ΔT (ns)

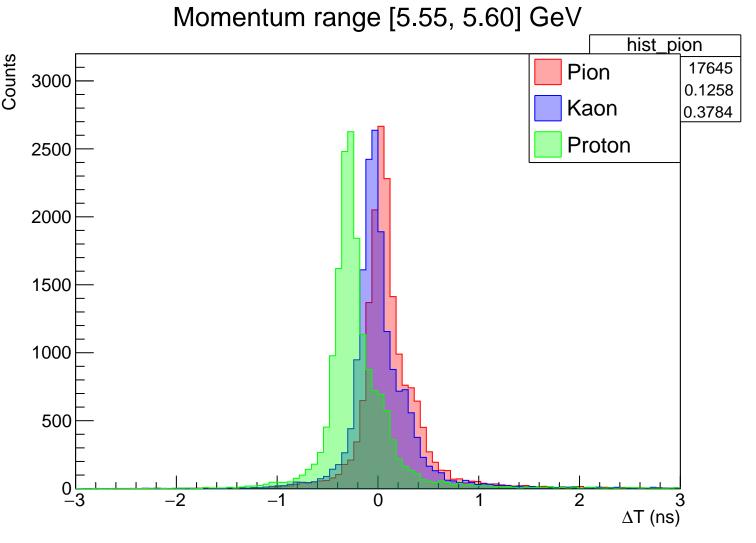
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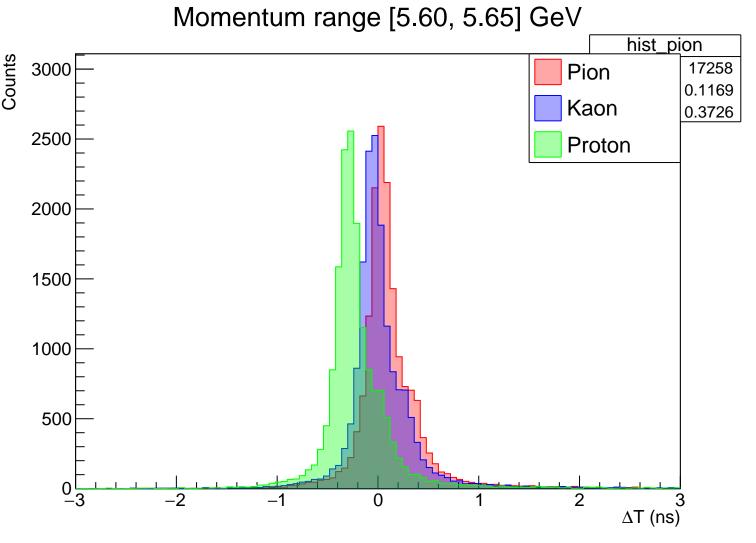
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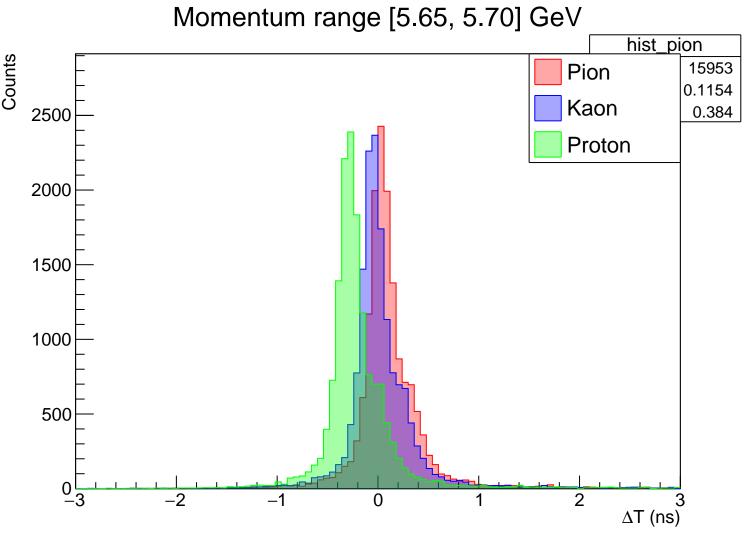
Momentum range [5.40, 5.45] GeV hist_pion 21066 Pion 3500 0.1277 Kaon 0.3782 3000 Proton 2500 2000 1500 1000 500 ΔT (ns)

Momentum range [5.45, 5.50] GeV hist_pion 3500 19896 Pion 0.1304 Kaon 0.4021 3000 **Proton** 2500 2000 1500 1000 500 ΔT (ns)

Momentum range [5.50, 5.55] GeV hist_pion Counts 18979 Pion 0.1176 Kaon 3000 0.376 Proton 2500 2000 1500 1000 500 ΔT (ns)







Momentum range [5.70, 5.75] GeV hist_pion Counts 15457 Pion 2500 0.1183 Kaon 0.3942 Proton 2000 1500 1000 500 0_3 ΔT (ns)

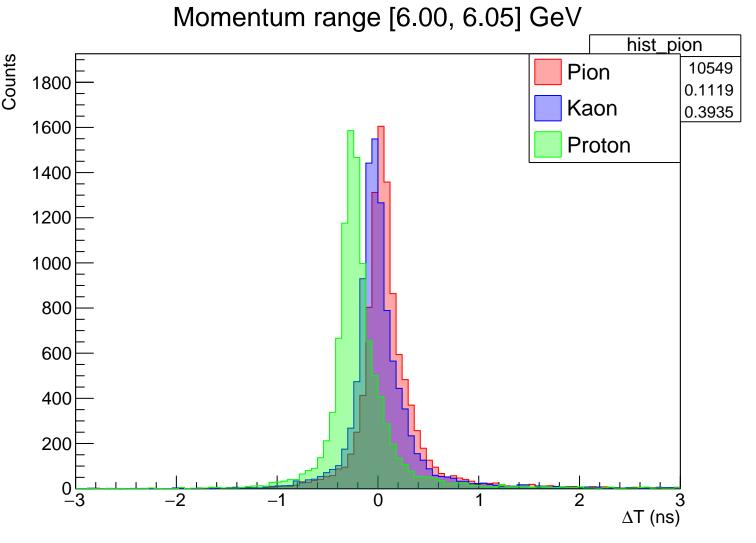
Momentum range [5.75, 5.80] GeV hist_pion Counts 2500 14338 Pion 0.1155 Kaon 0.391 Proton 2000 1500 1000 500 0 2 ΔT (ns)

Momentum range [5.80, 5.85] GeV hist_pion Counts 2500 13506 Pion 0.1213 Kaon 0.3916 Proton 2000 1500 1000 500 0 2 ΔT (ns)

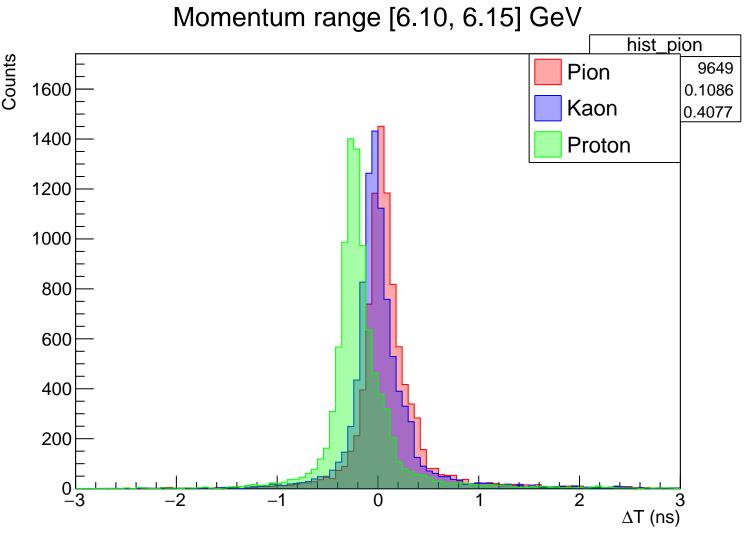
Momentum range [5.85, 5.90] GeV hist_pion Pion 0.1117 Kaon 0.3961 **Proton** ΔT (ns)

Momentum range [5.90, 5.95] GeV hist_pion Counts 2200 12124 Pion 0.1077 2000 Kaon 0.3837 1800 **Proton** 1600 1400 1200 1000 800 600 400 200 05 ΔT (ns)

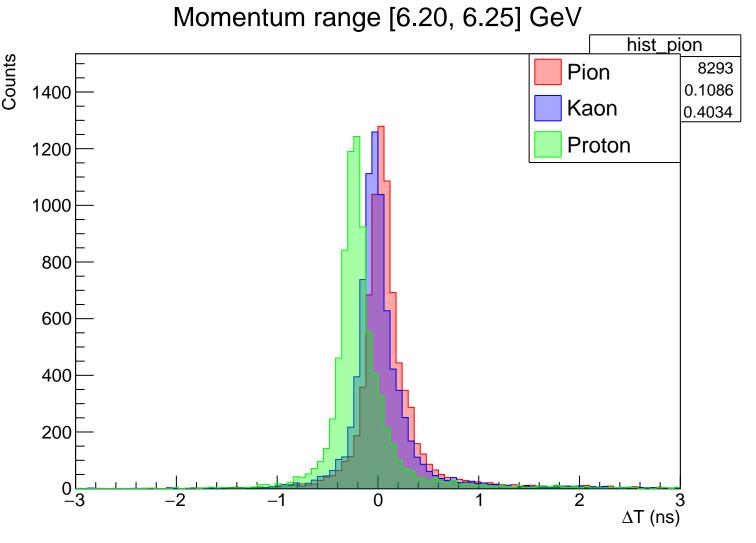
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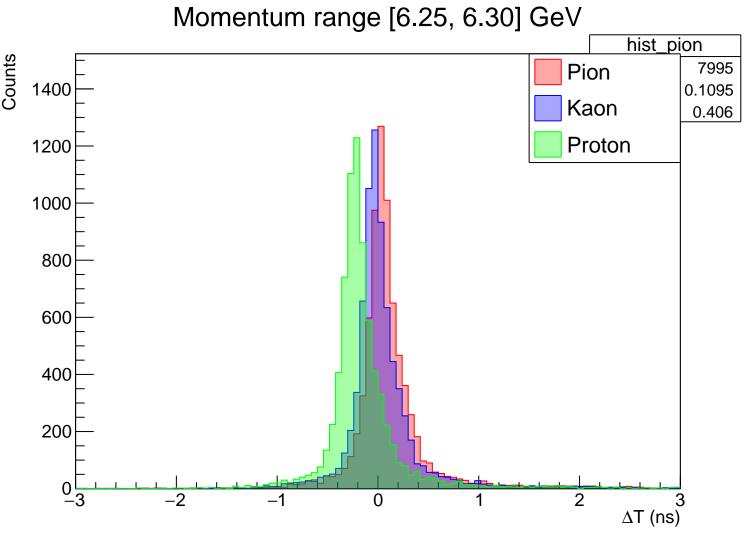


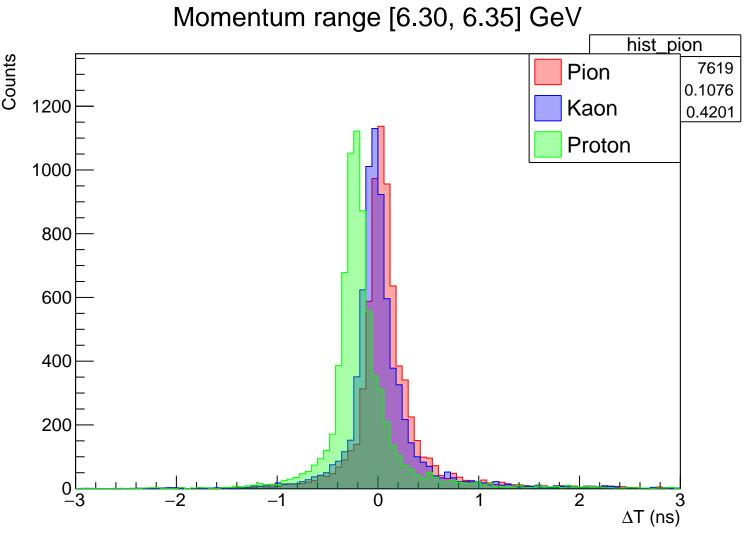
Momentum range [6.05, 6.10] GeV hist_pion 1800 9795 Pion 0.1107 1600 Kaon 0.4098 **Proton** 1400 1200 1000 800 600 400 200 ΔT (ns)

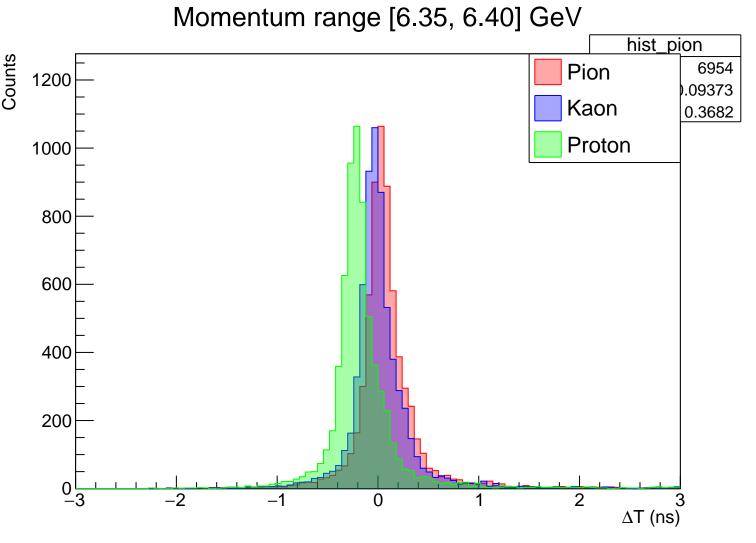


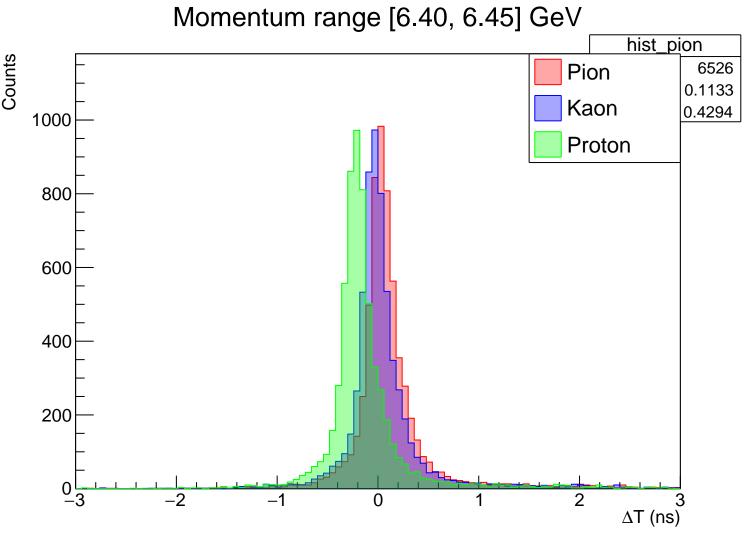
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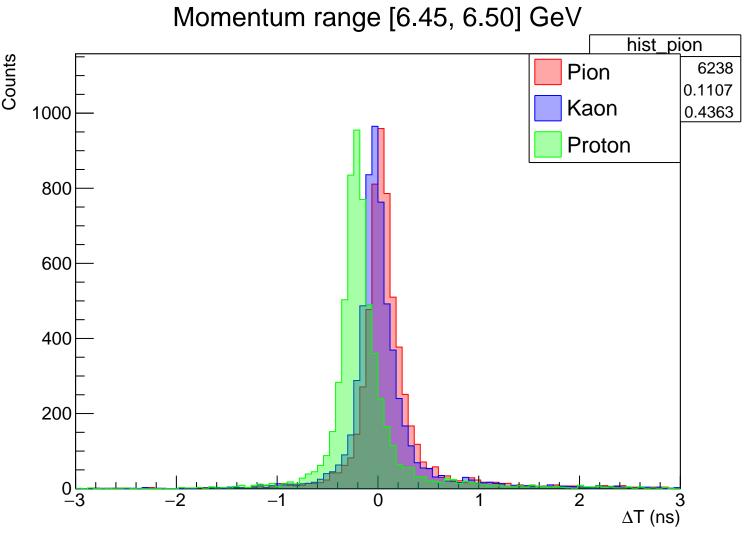


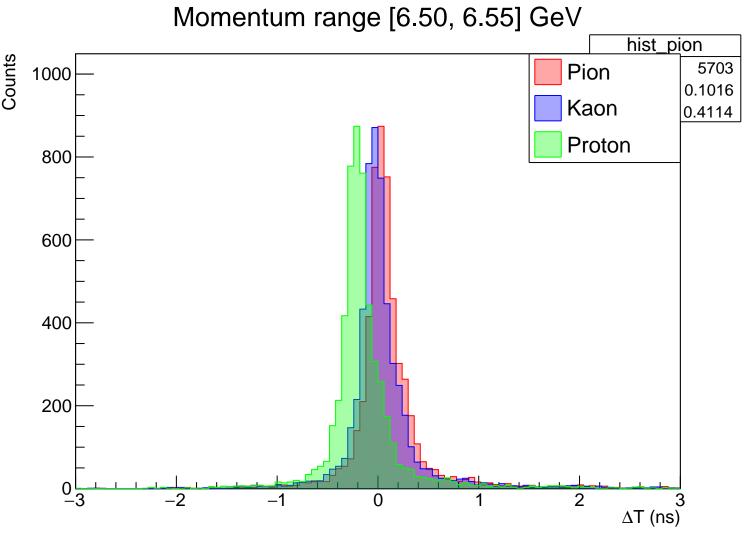












Momentum range [6.55, 6.60] GeV hist_pion Counts 5408 Pion 900 0.1054 Kaon 0.4241 800 Proton 700 600 500 400 300 200 100 ΔT (ns)

Momentum range [6.60, 6.65] GeV hist_pion Counts 900 Pion 4987 0.1134 Kaon 800 0.4399 Proton 700 600 500 400 300 200 100 ΔT (ns)

Momentum range [6.65, 6.70] GeV hist_pion Counts 4938 Pion b.09928 800 Kaon 0.4364 Proton 700 600 500 400 300 200 100 ΔT (ns)

Momentum range [6.70, 6.75] GeV hist_pion Counts 800 4473 Pion .09993 Kaon 0.4415 700 Proton 600 500 400 300 200 100 ΔT (ns)

Momentum range [6.75, 6.80] GeV hist_pion Counts 4144 Pion 700 .09752 Kaon 0.4391 Proton 600 500 400 300 200 100 ΔT (ns)

Momentum range [6.80, 6.85] GeV hist_pion Counts 3828 Pion 0.1022 Kaon 600 0.4558 Proton 500 400 300 200 100 ΔT (ns)

Momentum range [6.85, 6.90] GeV hist_pion Counts 3633 Pion 0.1007 600 Kaon 0.47 Proton 500 400 300 200 100 ΔT (ns)

Momentum range [6.90, 6.95] GeV hist_pion Counts 3434 Pion 600 0.1062 Kaon 0.469 500 Proton 400 300 200 100 0 3 ΔT (ns)

Momentum range [6.95, 7.00] GeV hist_pion Counts 3148 Pion 0.1138 500 Kaon 0.4436 Proton 400 300 200 100 0_3 ΔT (ns)