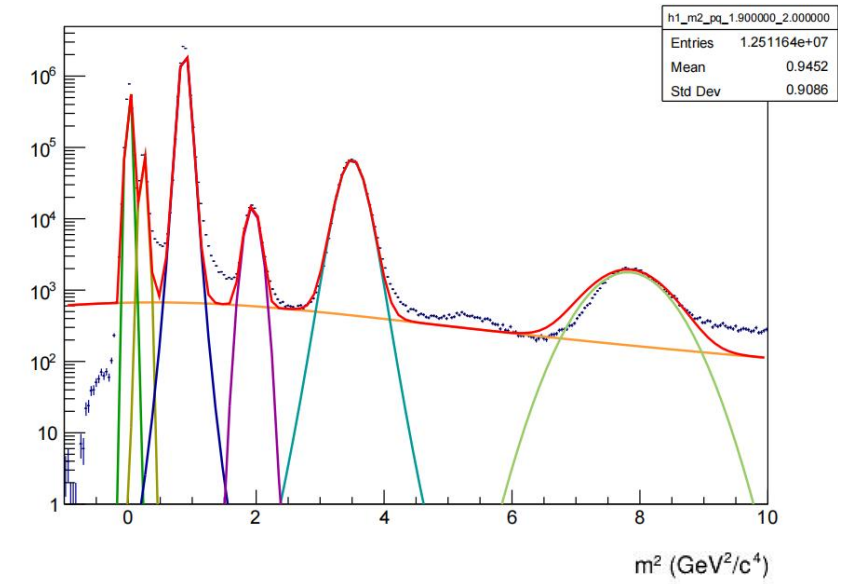
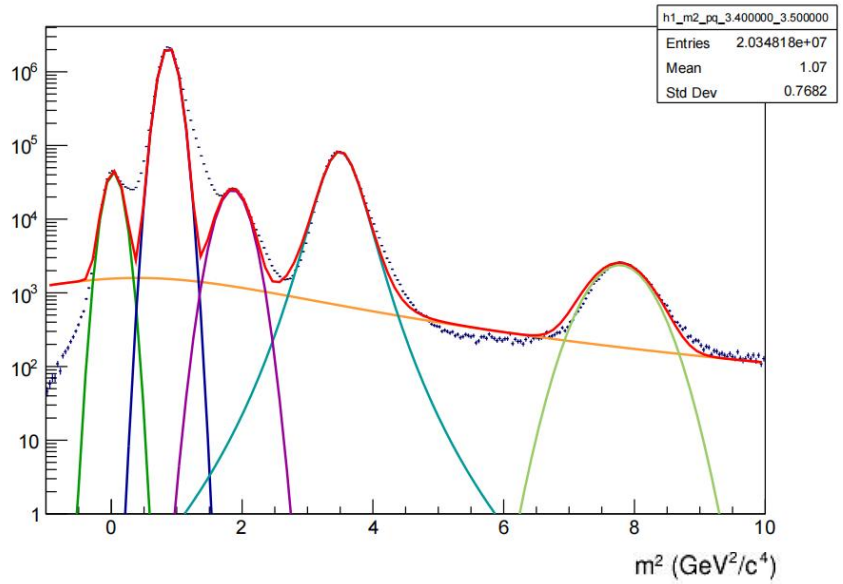
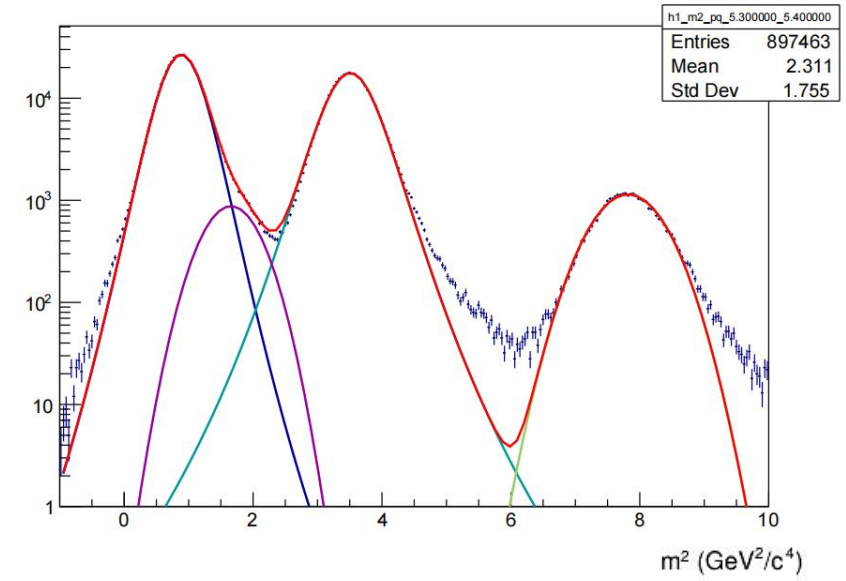
Отбор данных:
RunId: 6950-8312
VtxNTracks > 2
Vtx_z < 1 cm
Vtx_R < 1.5 cm
no PileUp

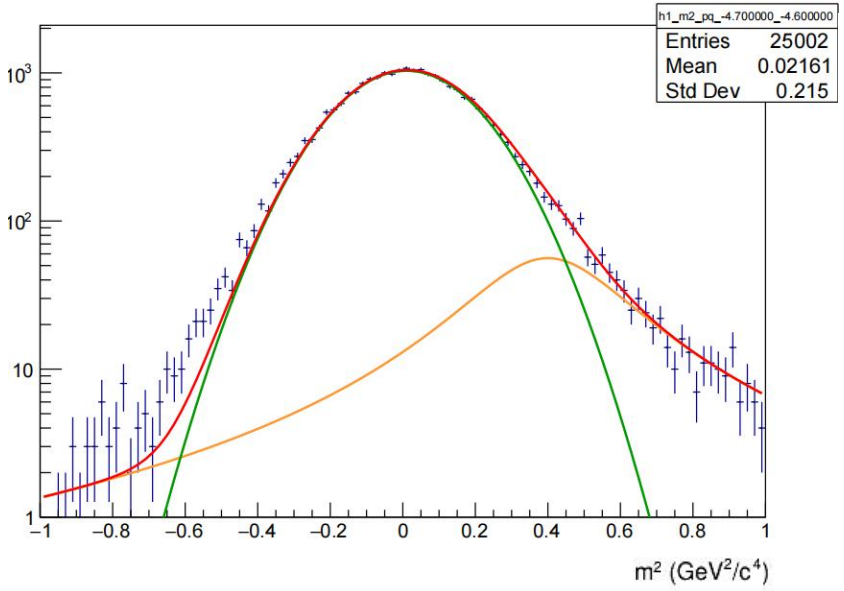
Отбор трека:
Nhits > 5
Chi2/Ndf < 5
DCA_R < 5

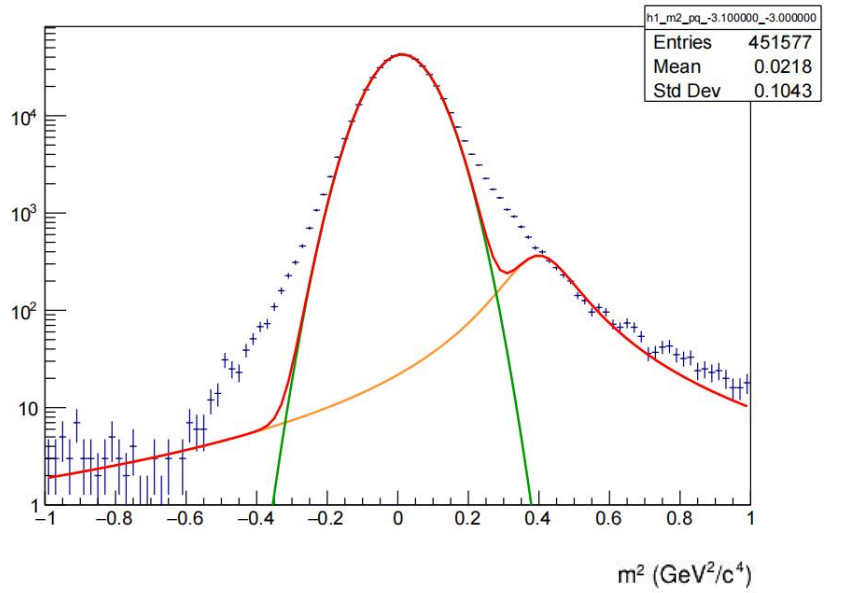
ToF400 fit

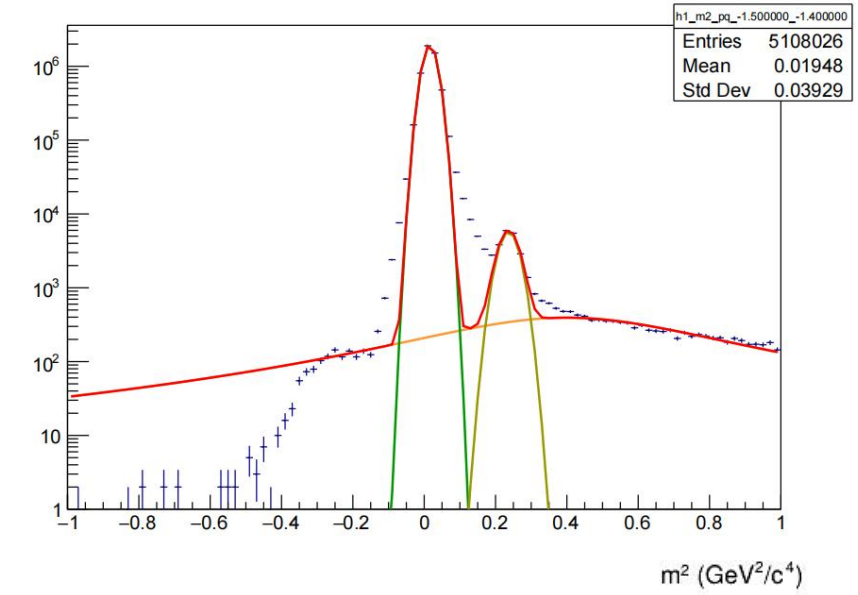

h1_m2_pq_1.900000_2.000000
Entries 1.251164e+07
Mean 0.9452
Std Dev 0.9086
m² (GeV²/c⁴)


h1_m2_pq_3.400000_3.500000
Entries 2.034818e+07
Mean 1.07
Std Dev 0.7682
m² (GeV²/c⁴)

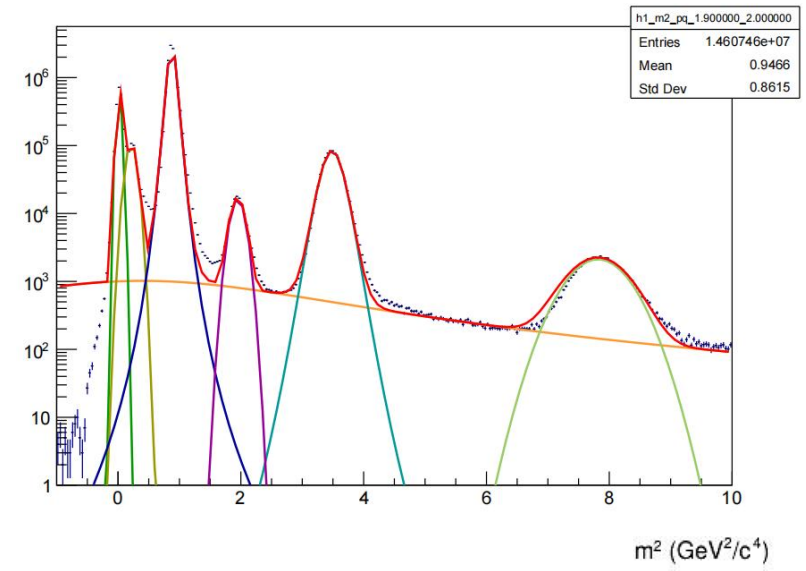

h1_m2_pq_5.300000_5.400000
Entries 897463
Mean 2.311
Std Dev 1.755
m² (GeV²/c⁴)

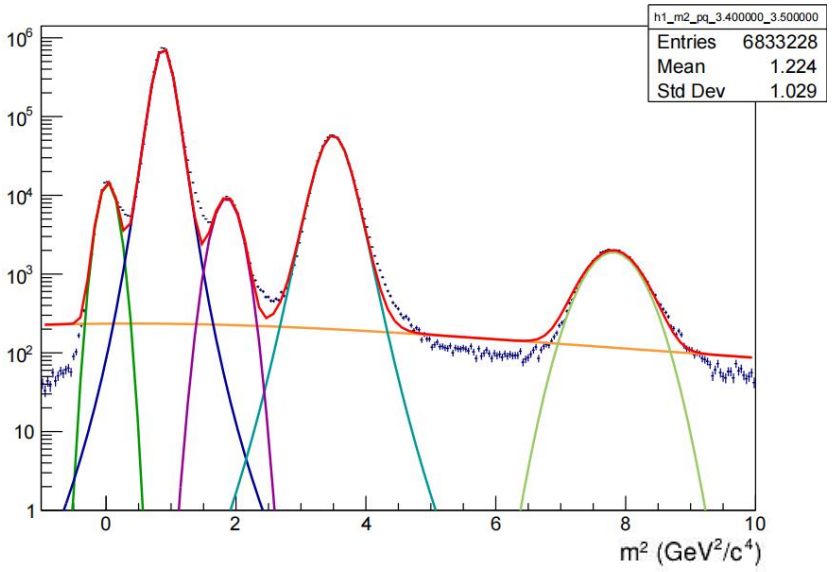

h1_m2_pq_-4.700000_-4.600000
Entries 25002
Mean 0.02161
Std Dev 0.215
m² (GeV²/c⁴)

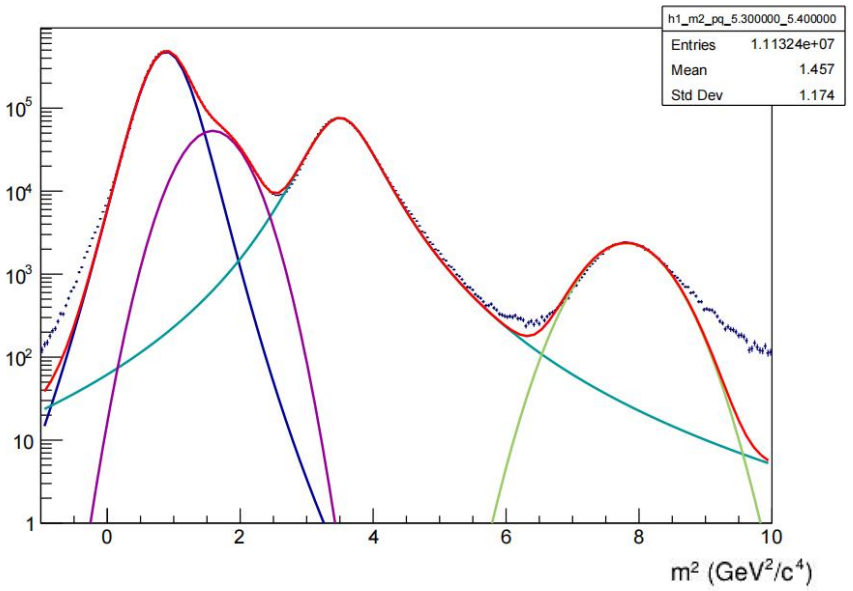

h1_m2_pq_-3.100000_-3.000000
Entries 451577
Mean 0.0218
Std Dev 0.1043
m² (GeV²/c⁴)

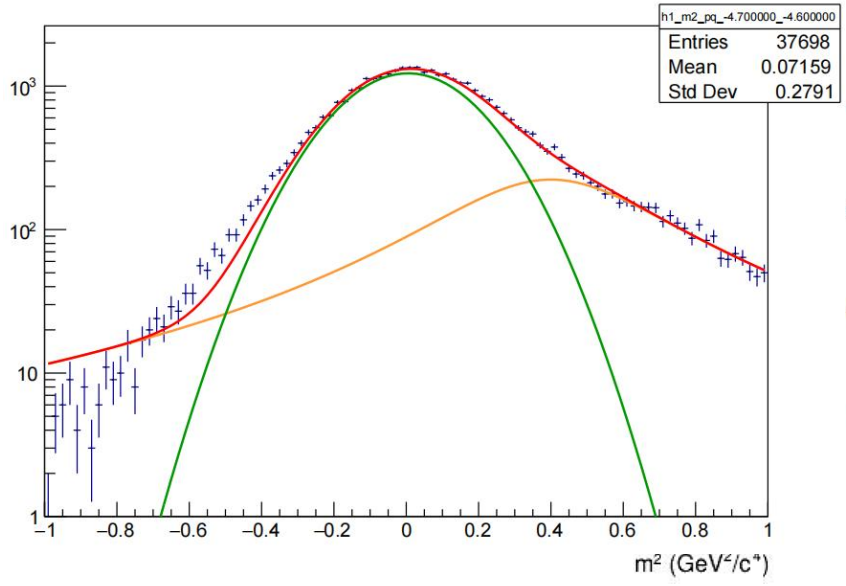

h1_m2_pq_-1.500000_-1.400000
Entries 5108026
Mean 0.01948
Std Dev 0.03929
m² (GeV²/c⁴)

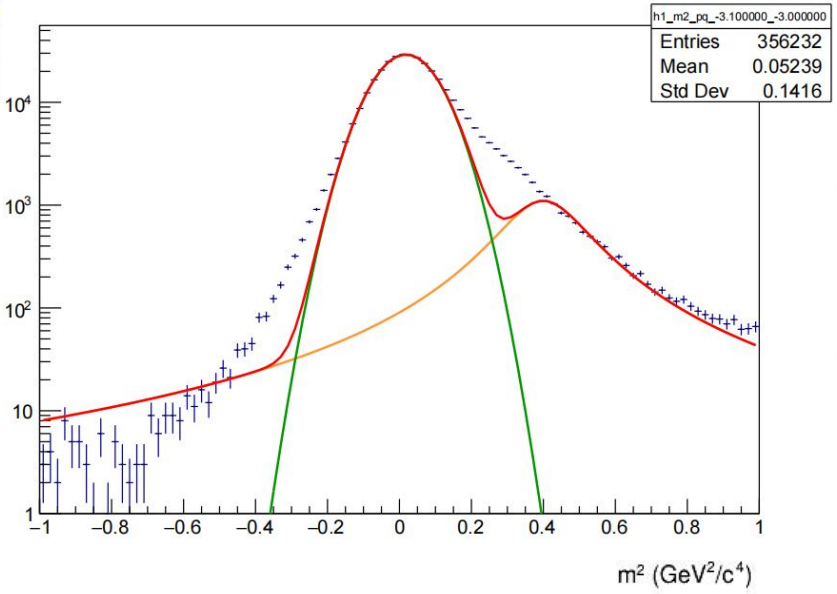
ToF700 fit

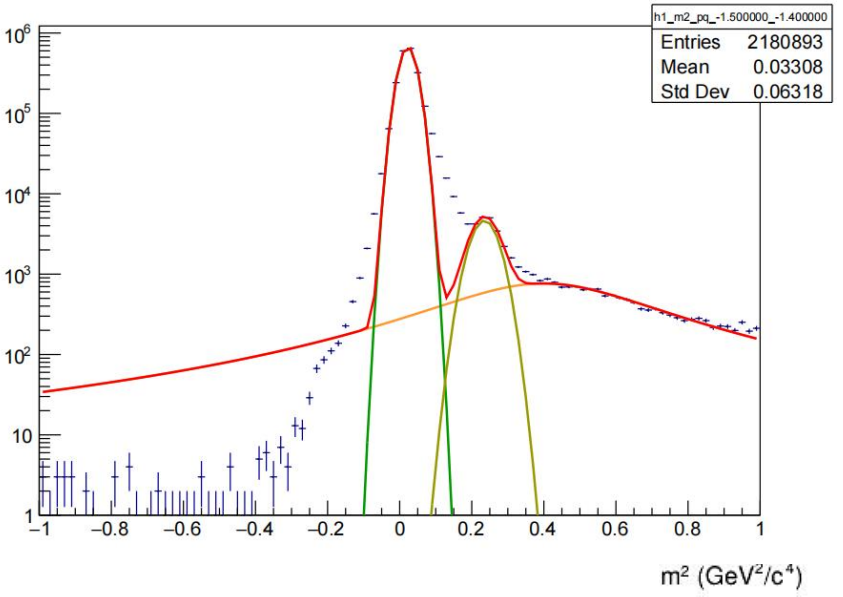

h1_m2_pq_1.900000_2.000000
Entries 1.460746e+07
Mean 0.9466
Std Dev 0.8615
m² (GeV²/c⁴)


h1_m2_pq_3.400000_3.500000
Entries 6833228
Mean 1.224
Std Dev 1.029
m² (GeV²/c⁴)


h1_m2_pq_5.300000_5.400000
Entries 1.11324e+07
Mean 1.457
Std Dev 1.174
m² (GeV²/c⁴)

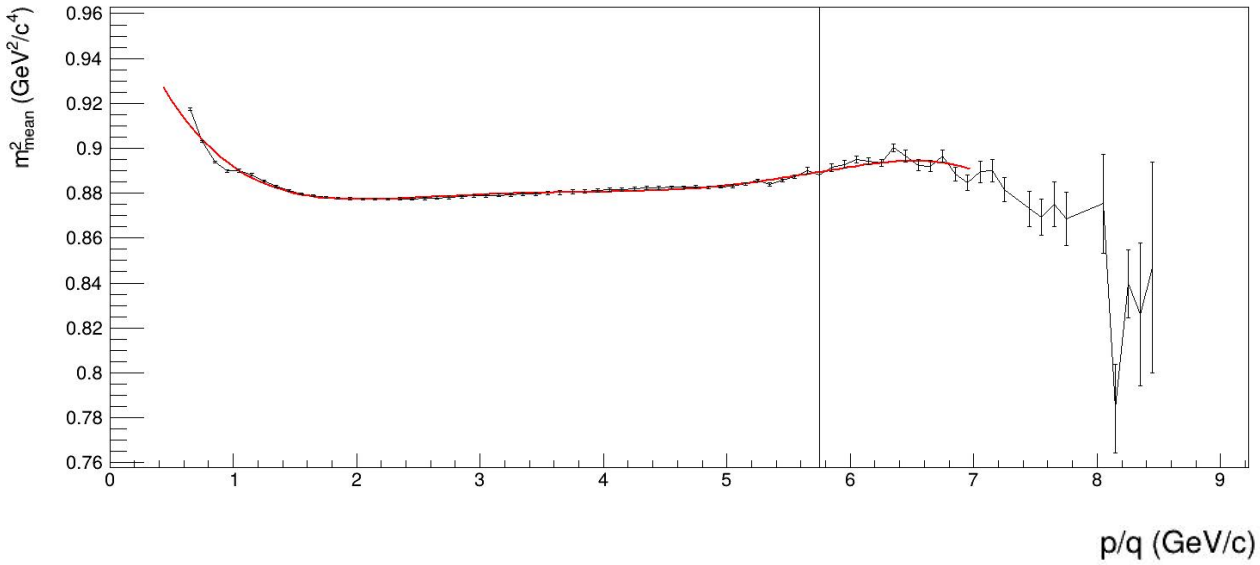

h1_m2_pq_-4.700000_-4.600000
Entries 37698
Mean 0.07159
Std Dev 0.2791
m² (GeV²/c⁴)

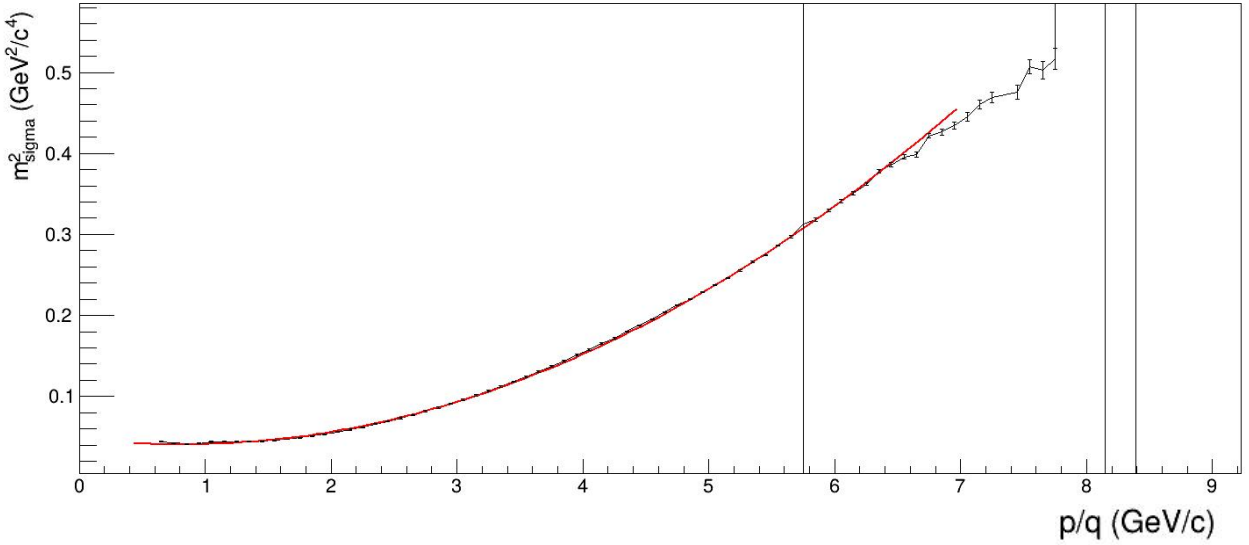

h1_m2_pq_-3.100000_-3.000000
Entries 356232
Mean 0.05239
Std Dev 0.1416
m² (GeV²/c⁴)


h1_m2_pq_-1.500000_-1.400000
Entries 2180893
Mean 0.03308
Std Dev 0.06318
m² (GeV²/c⁴)

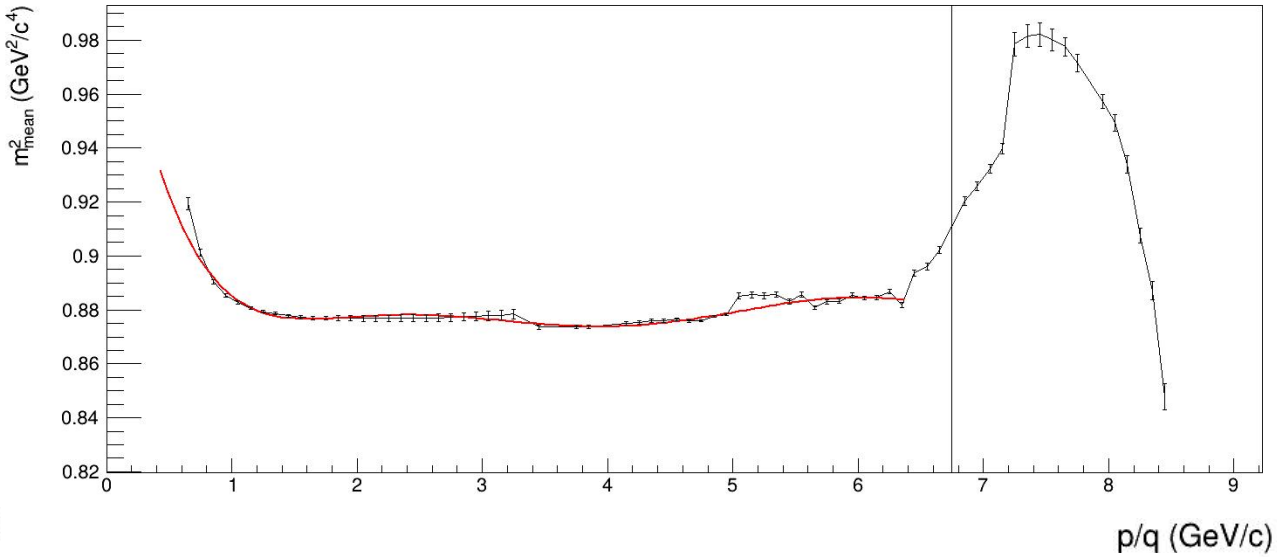
p - mean, sigma

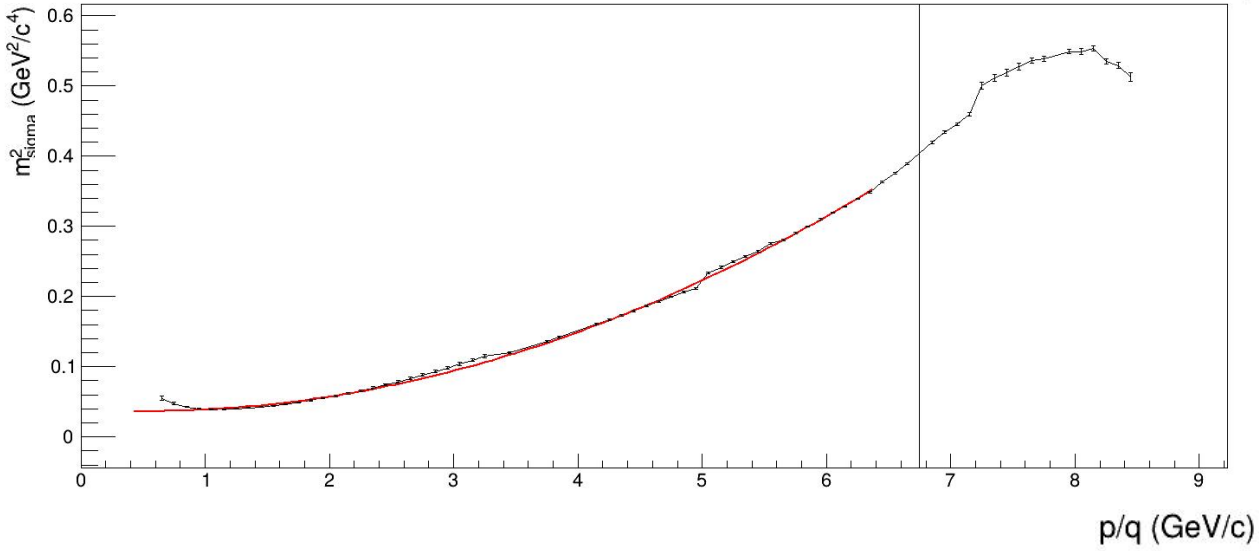
ToF400:





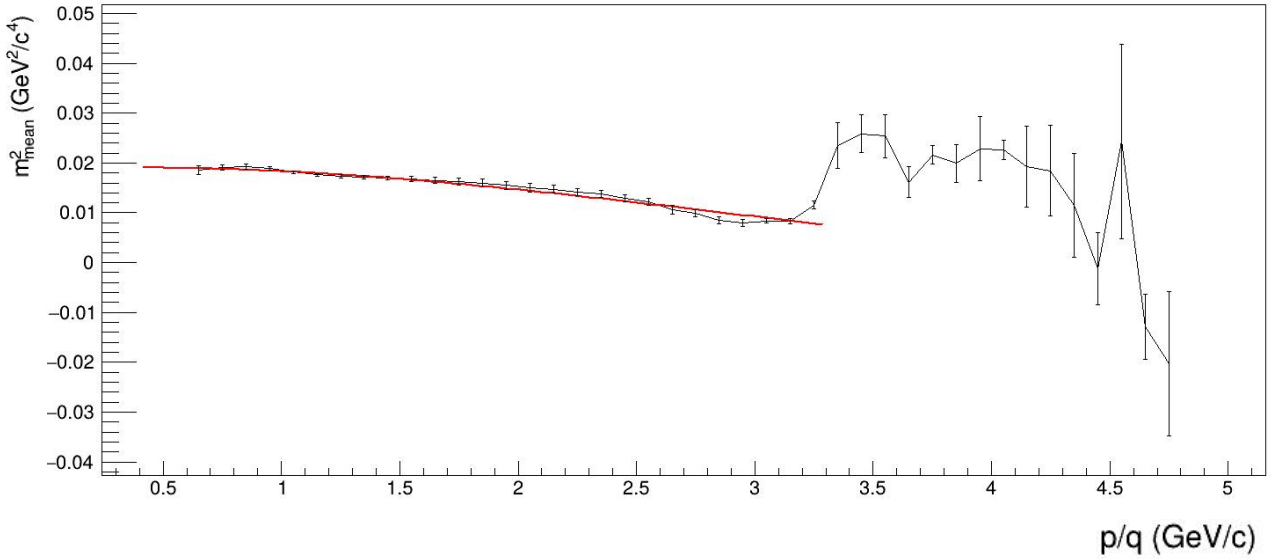
ToF700:

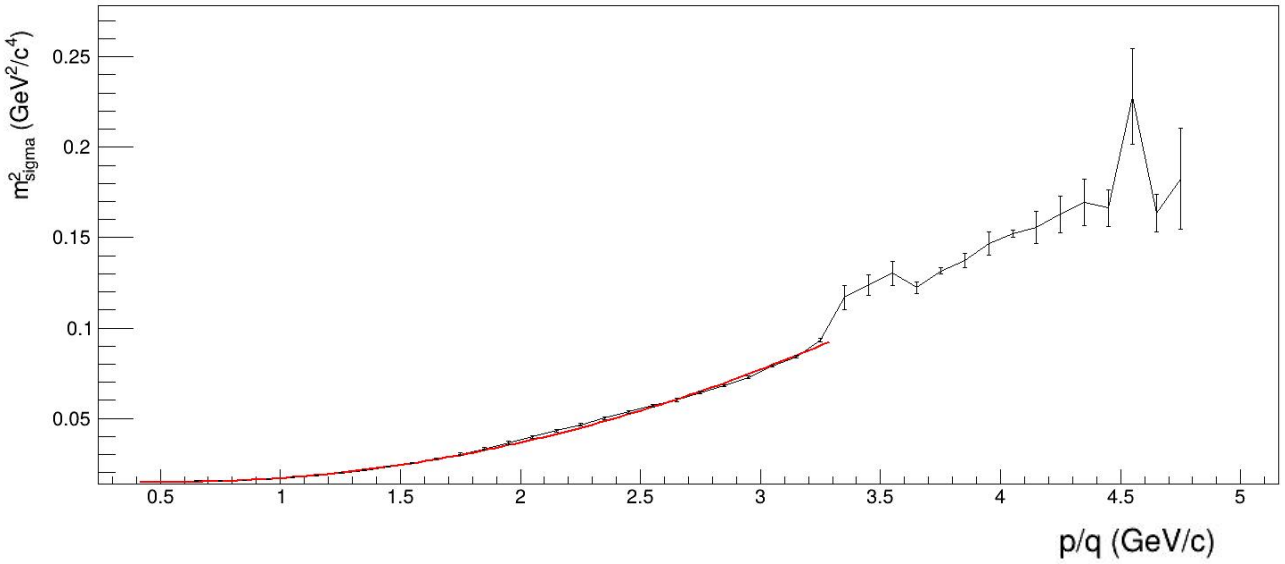




π^+ - mean, sigma

ToF400:





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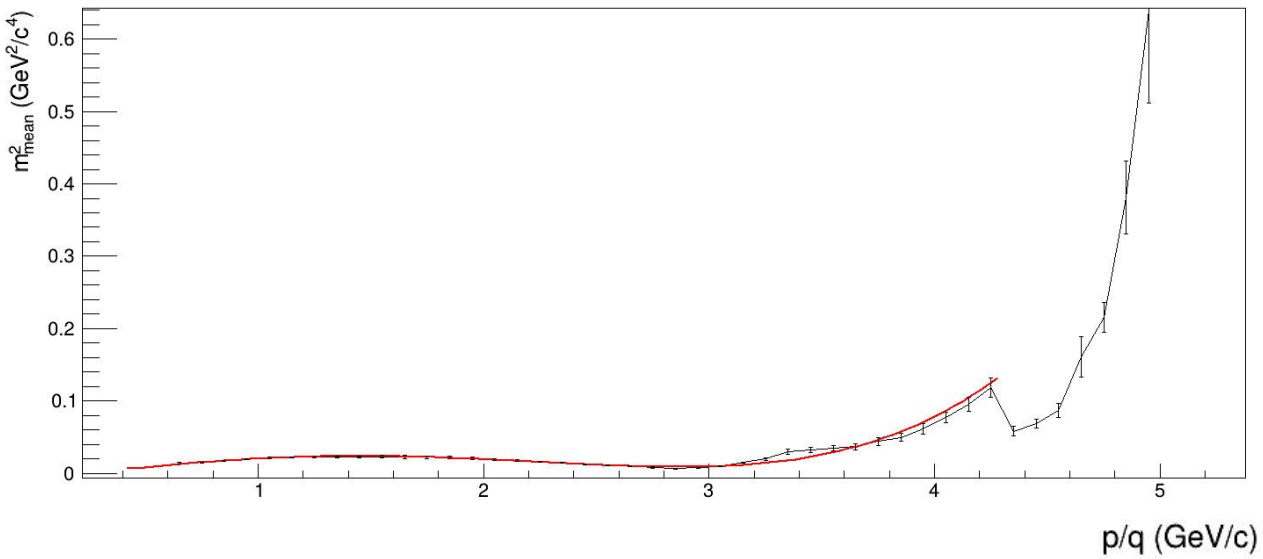
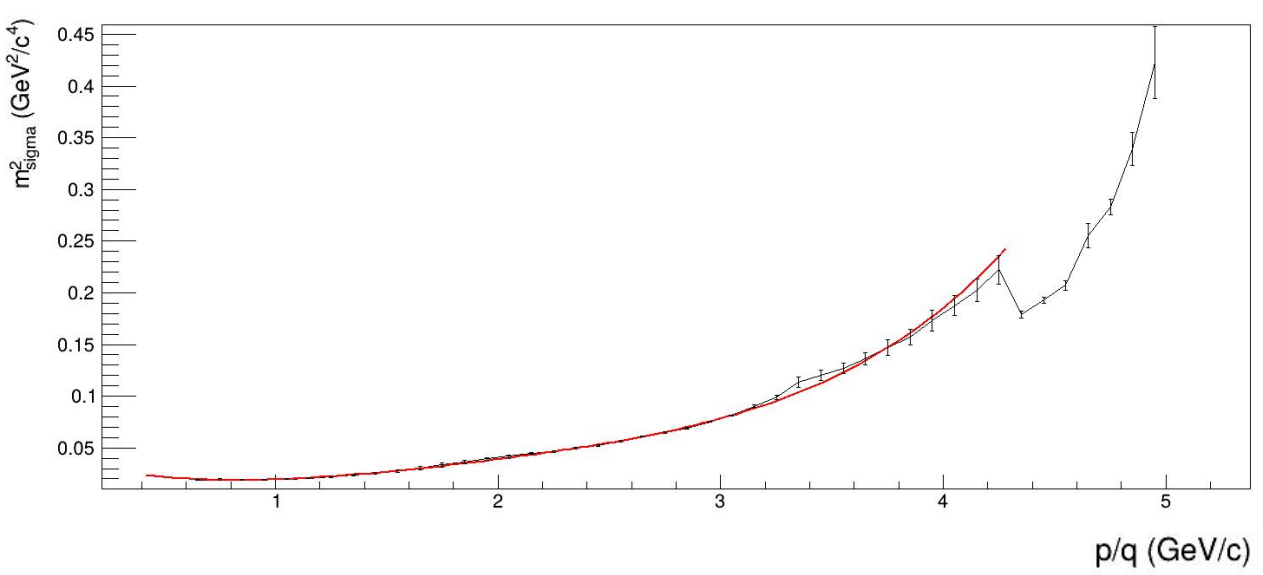
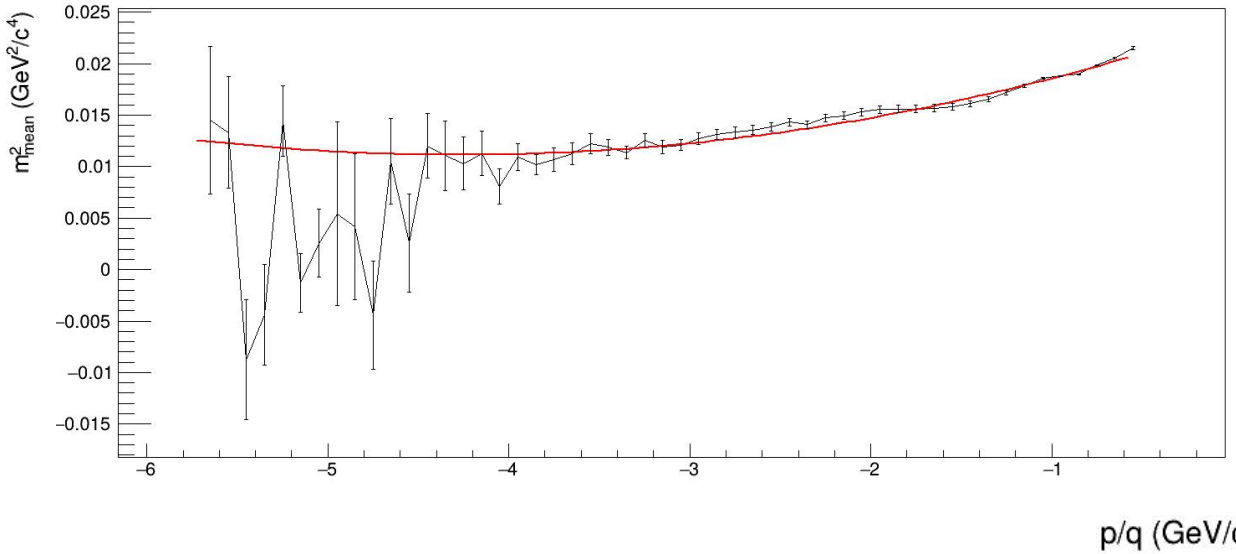
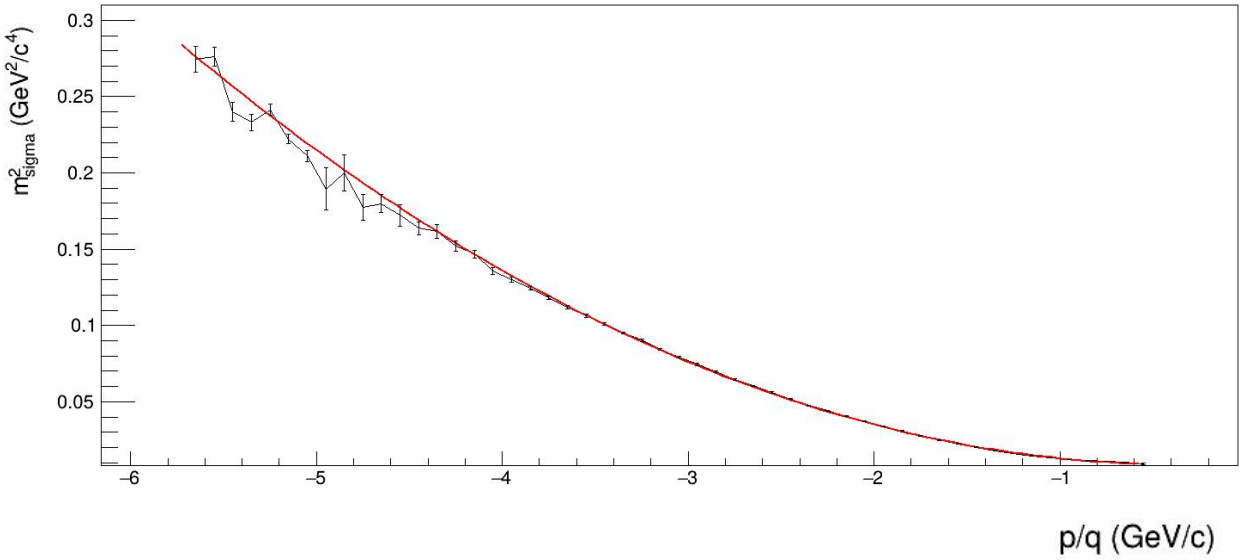




π^- - mean, sigma

ToF400:





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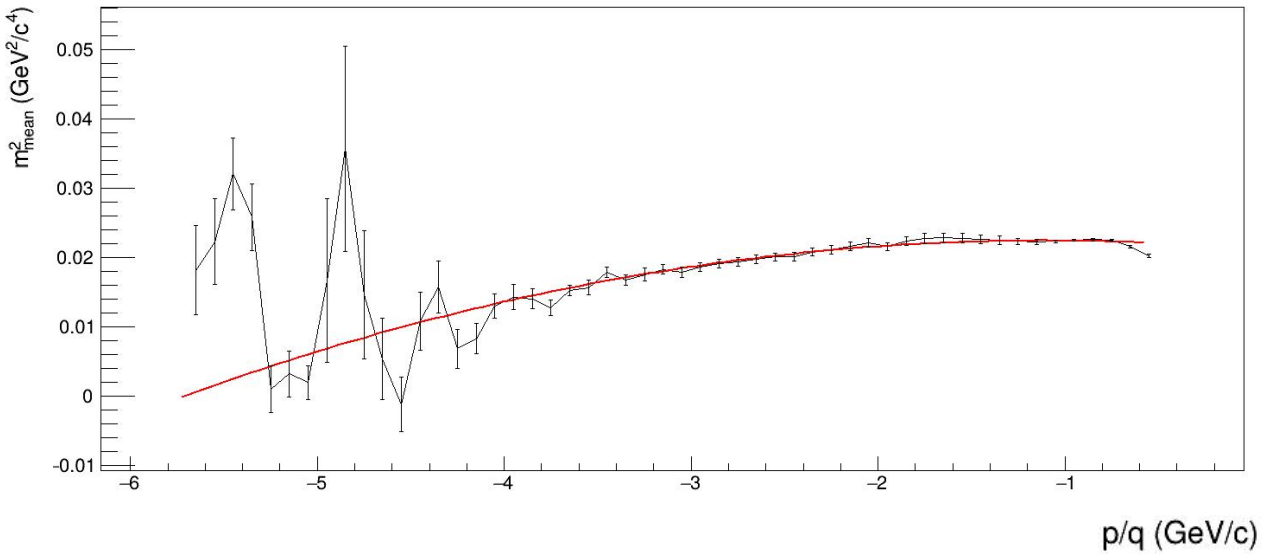
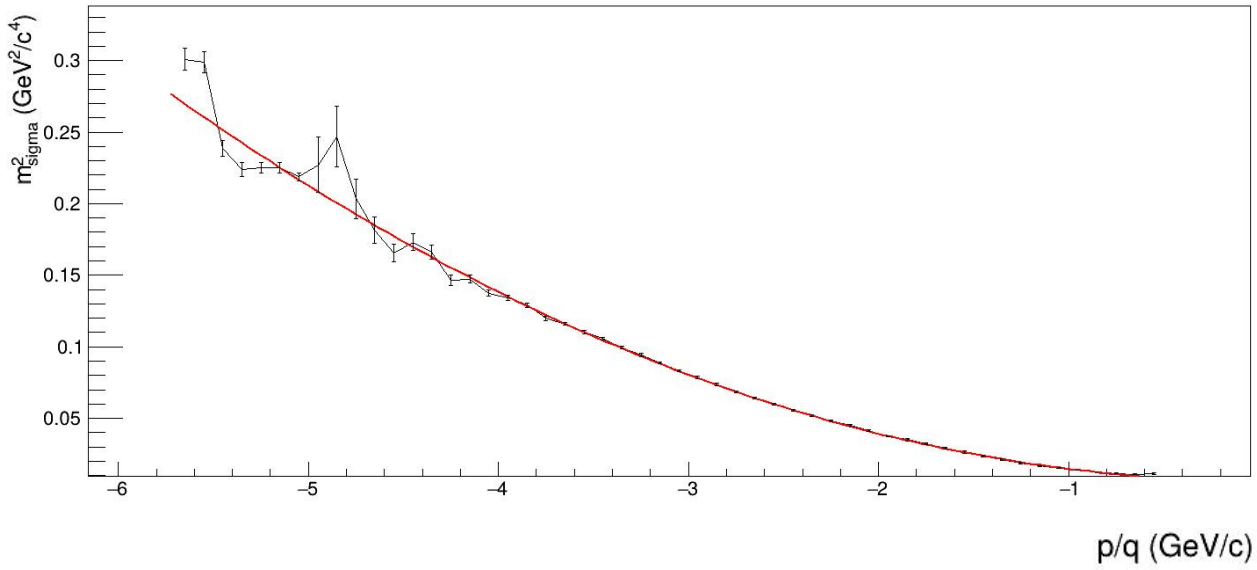
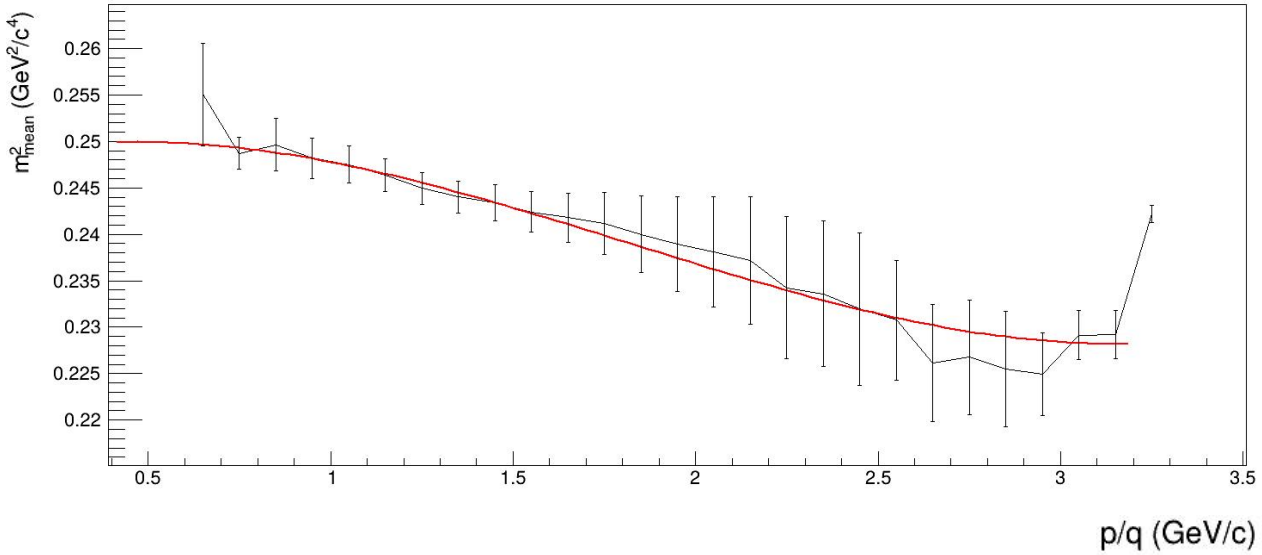
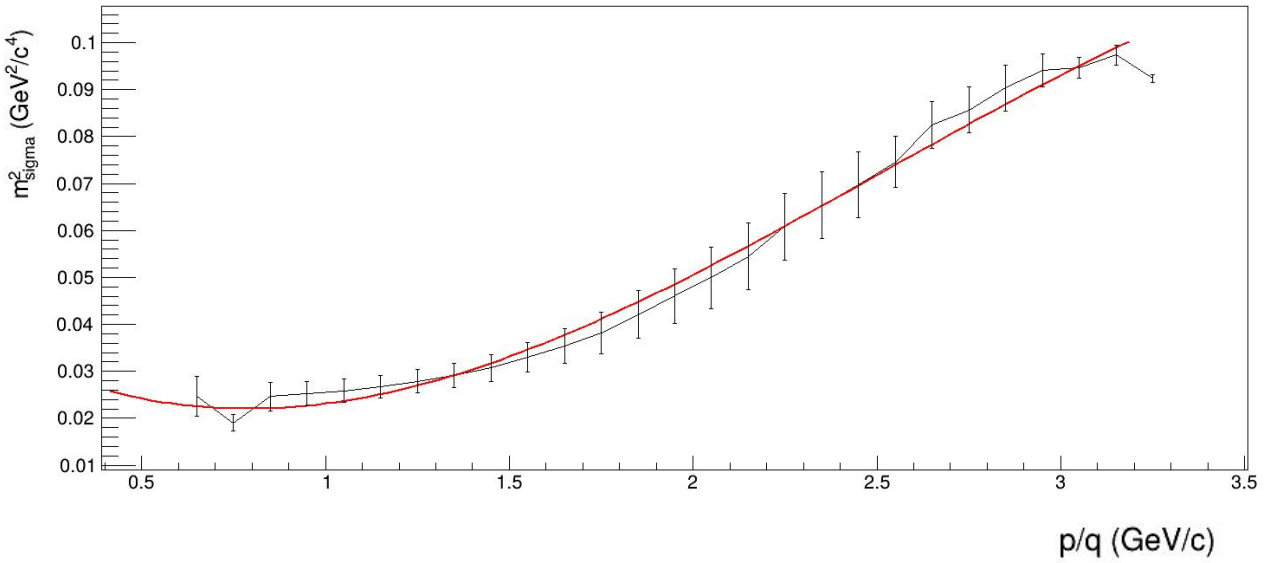




K^+ - mean, sigma

ToF400:





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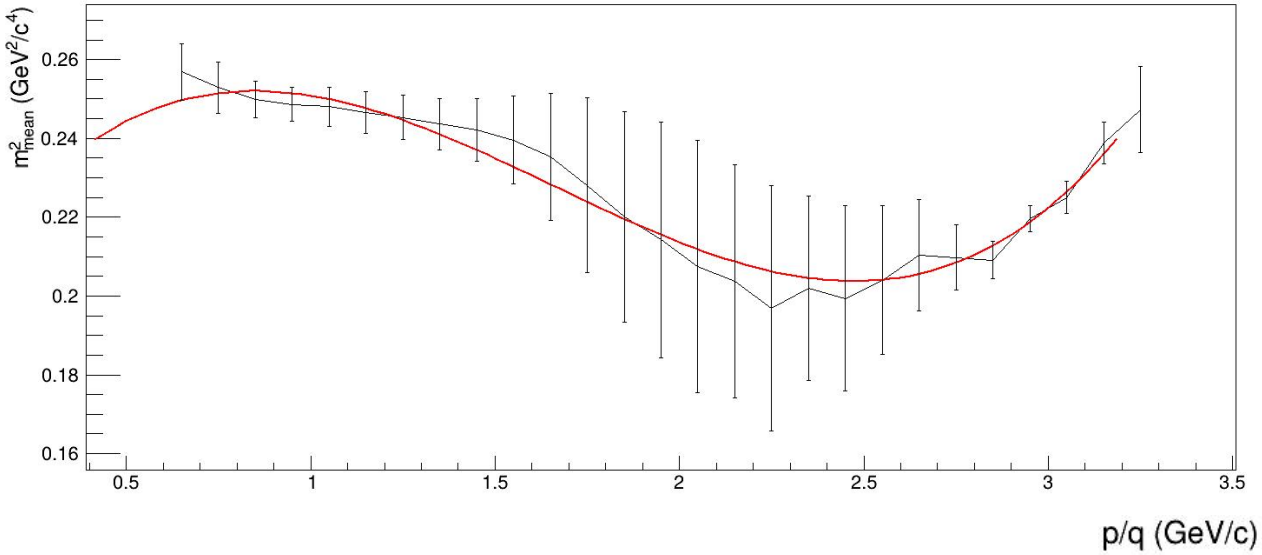
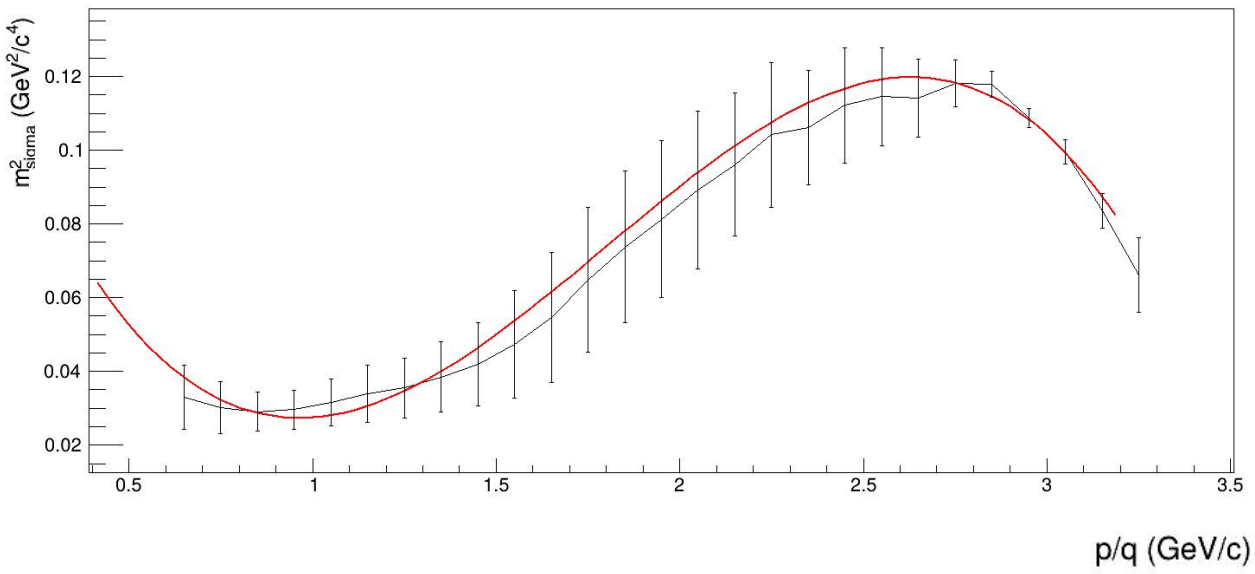
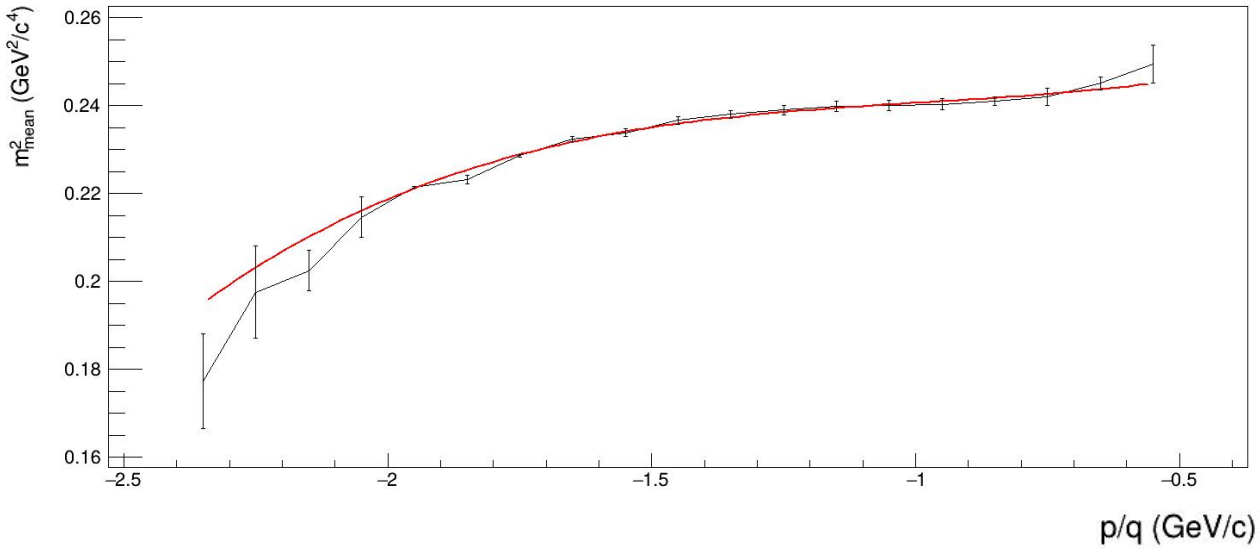
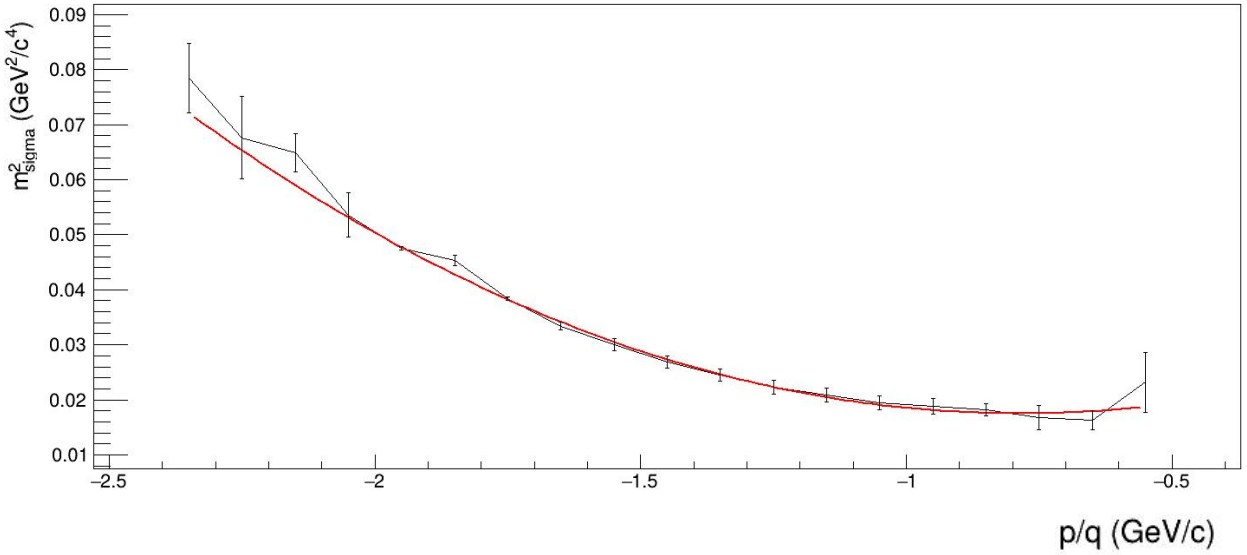




K^- - mean, sigma

ToF400:





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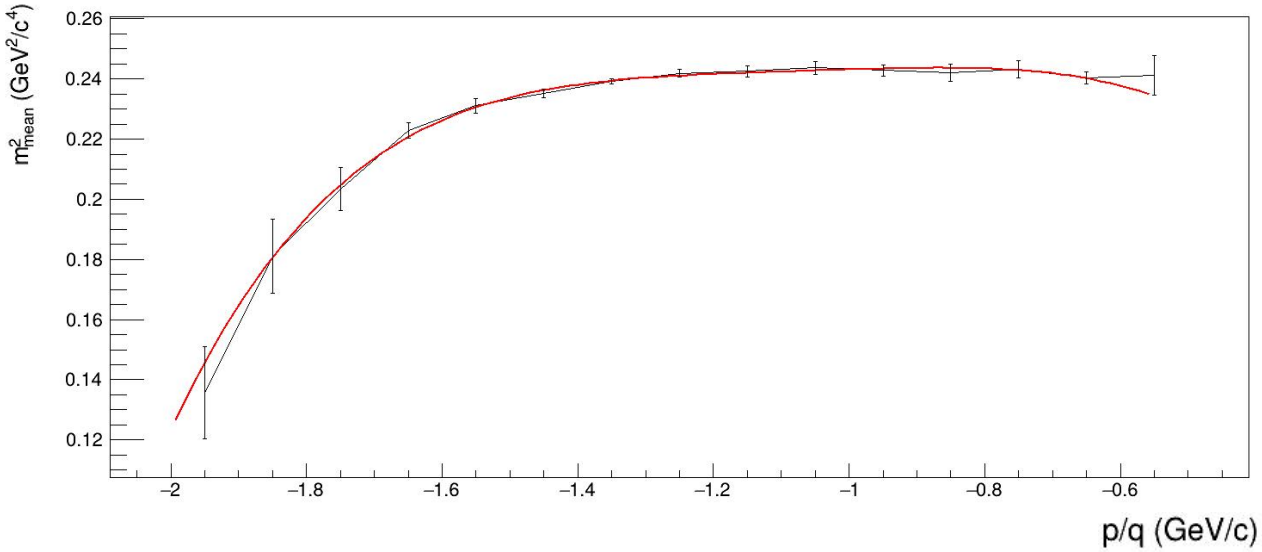
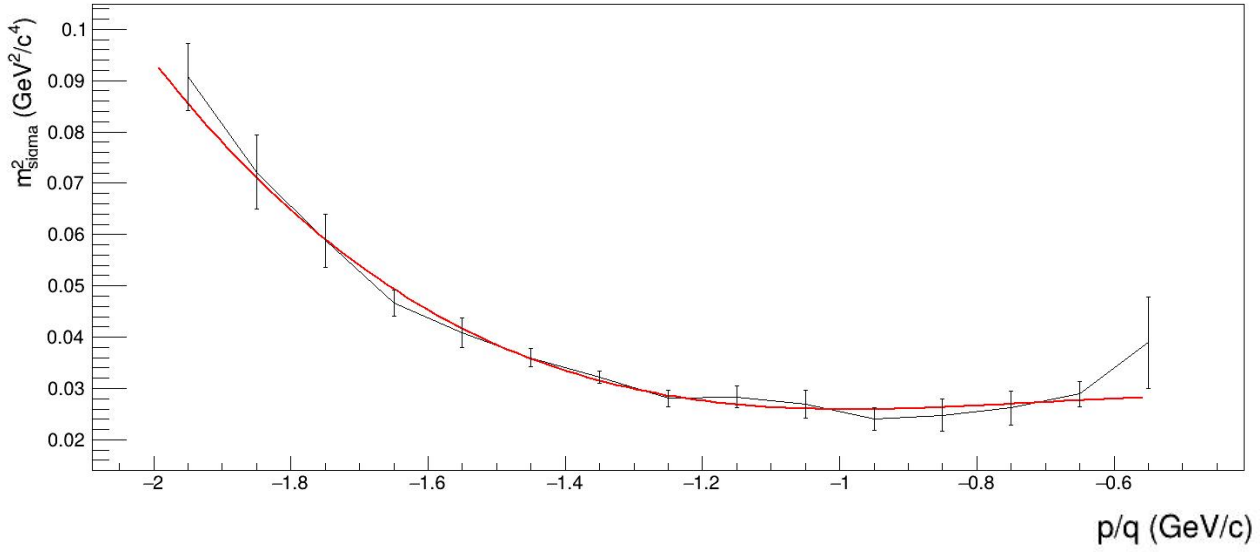
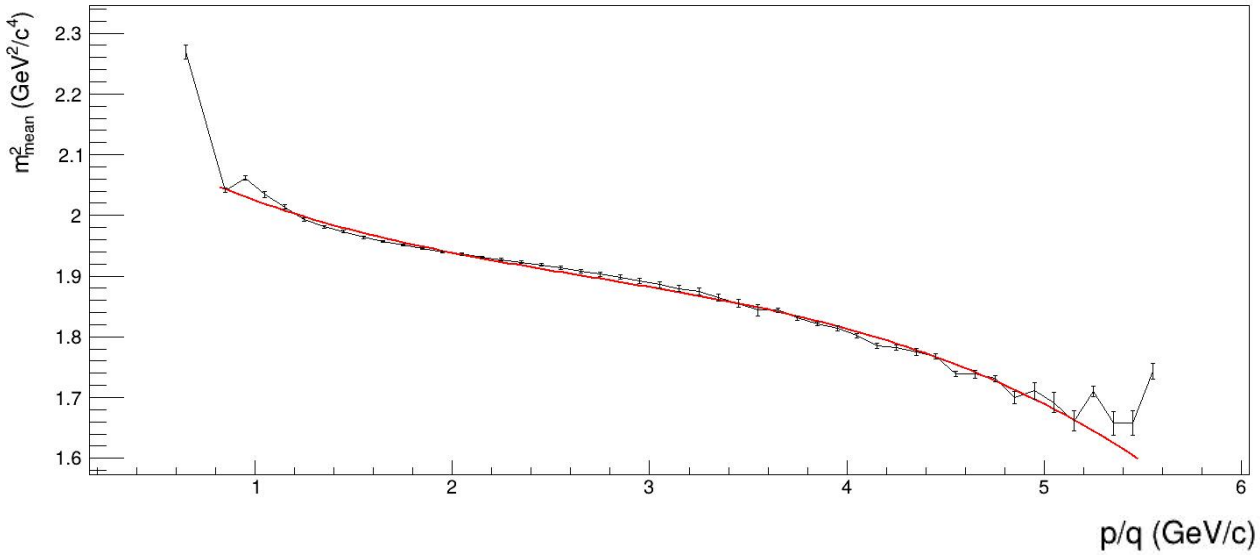
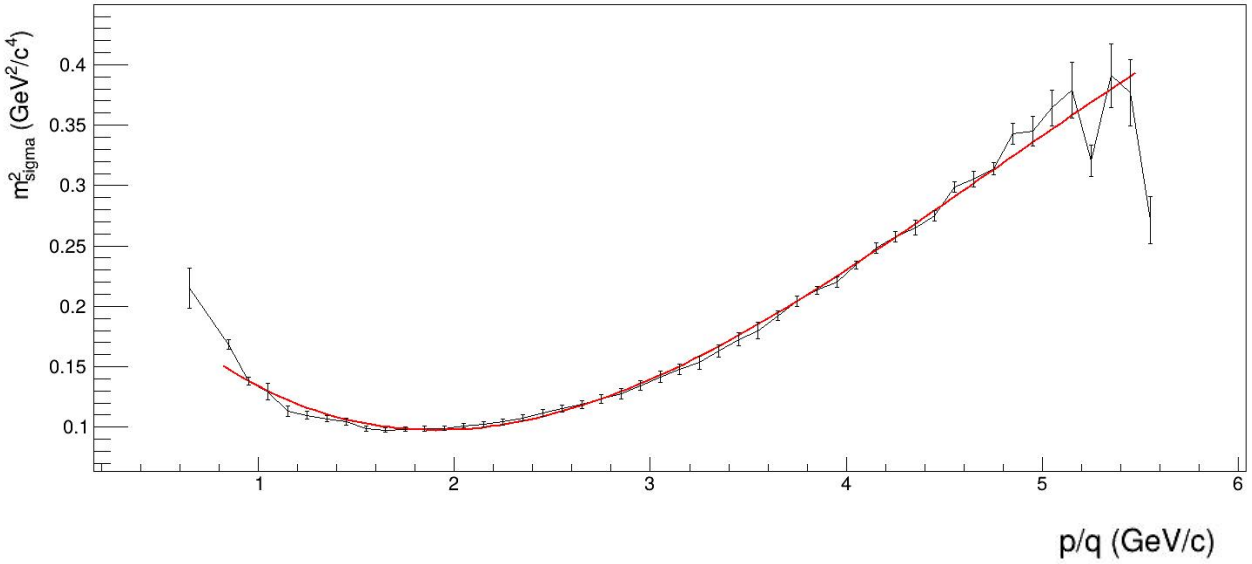




He3 - mean, sigma

ToF400:





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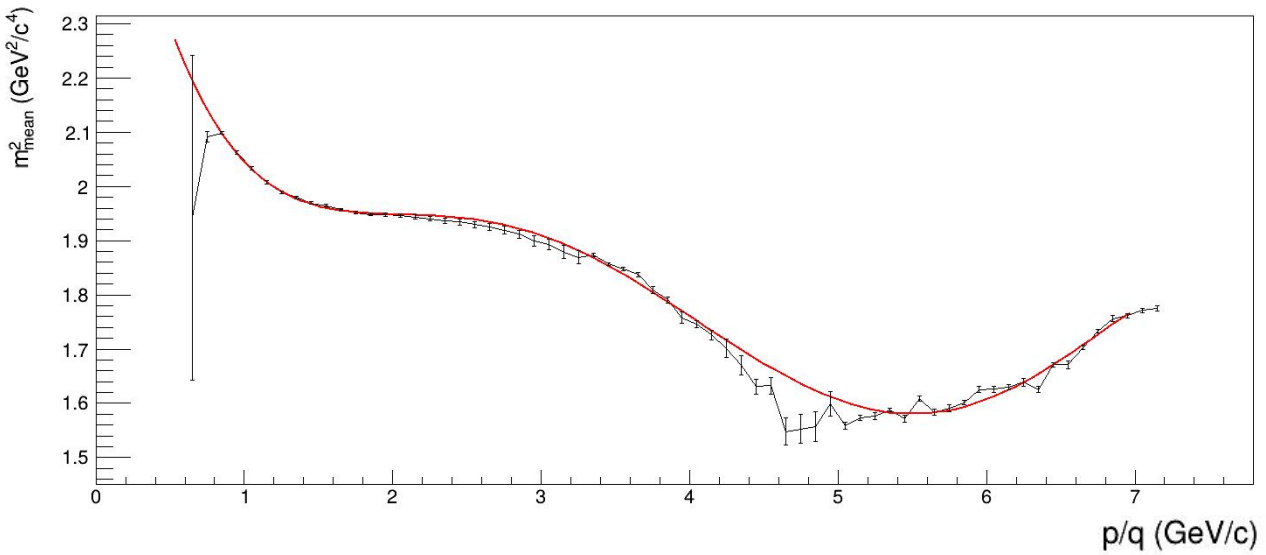
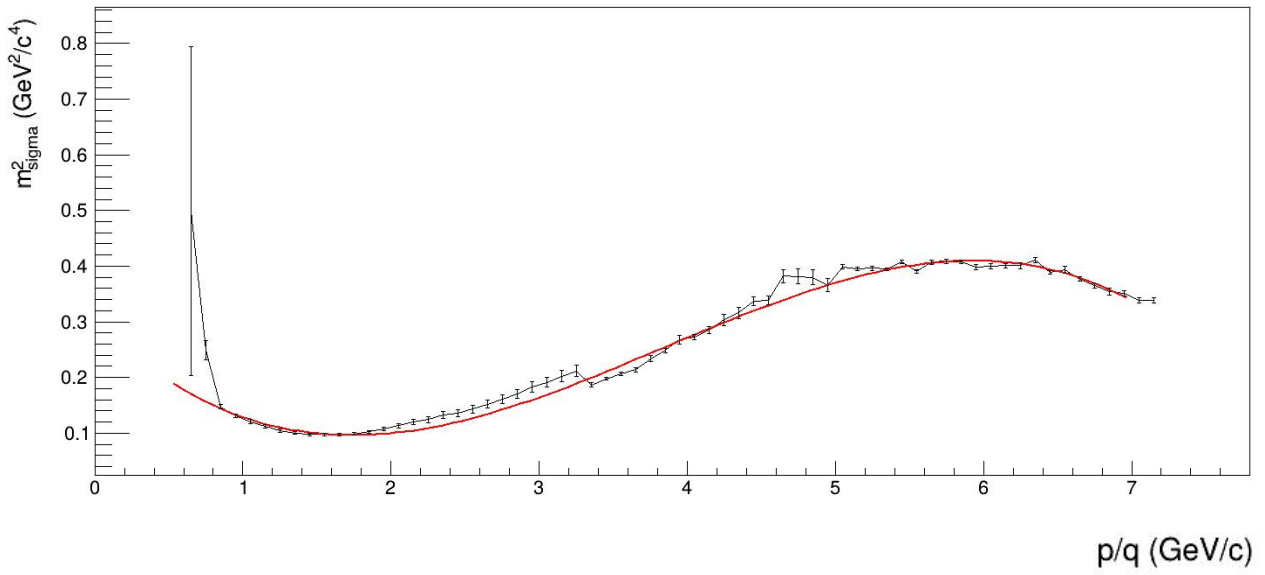
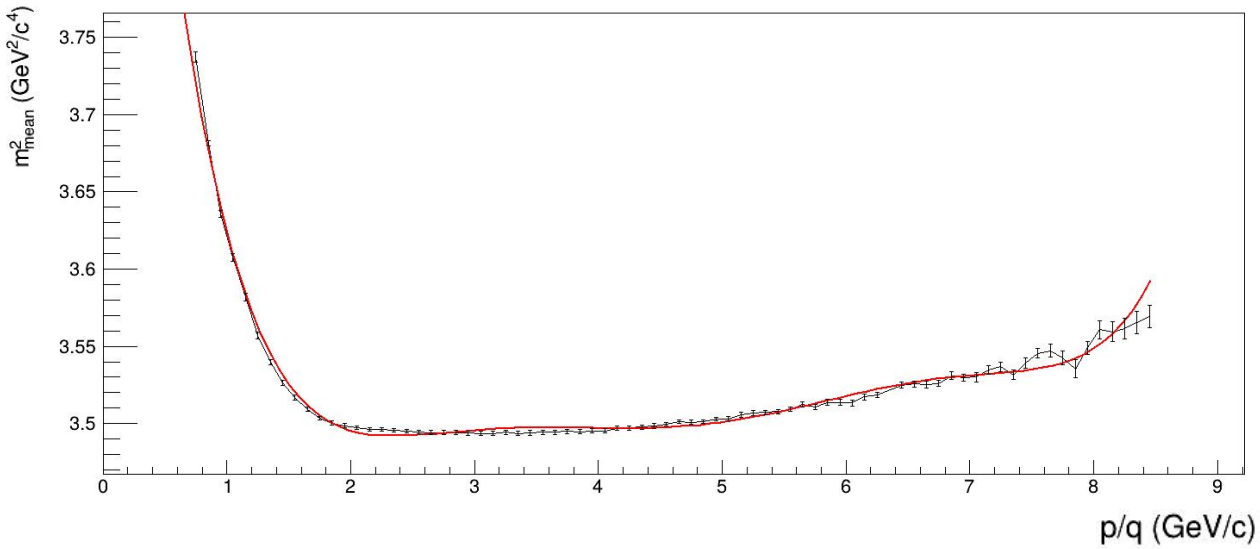
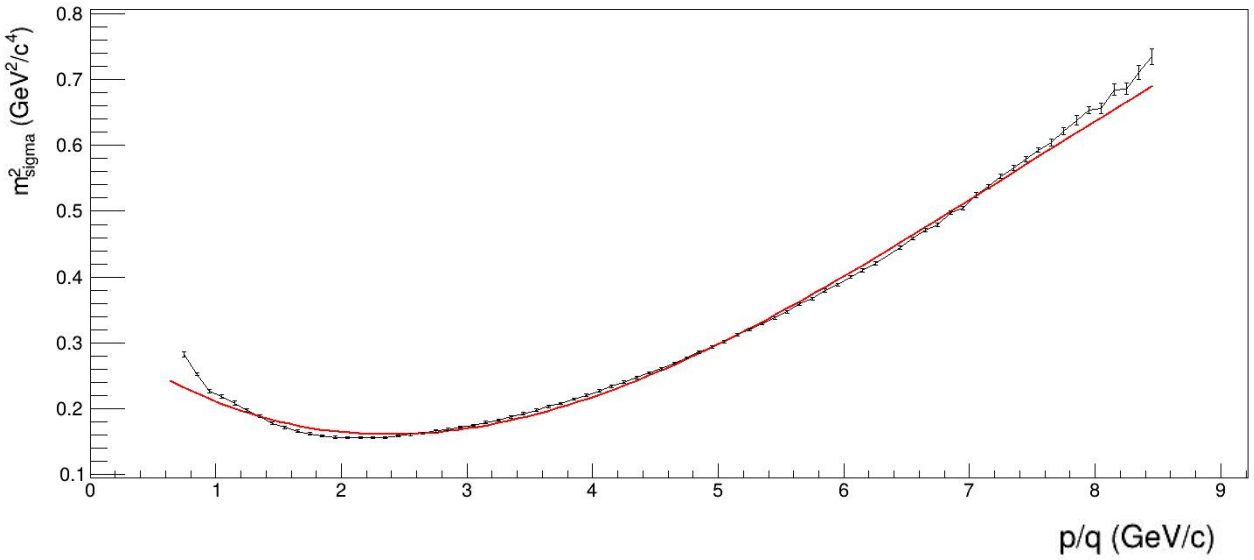




d - mean, sigma

ToF400:





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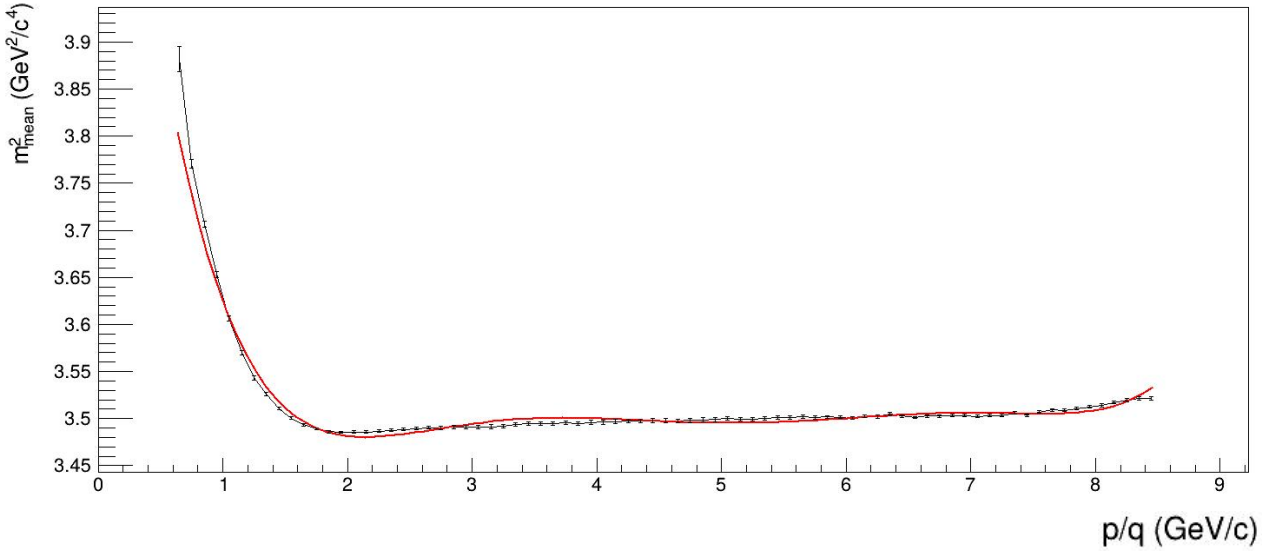
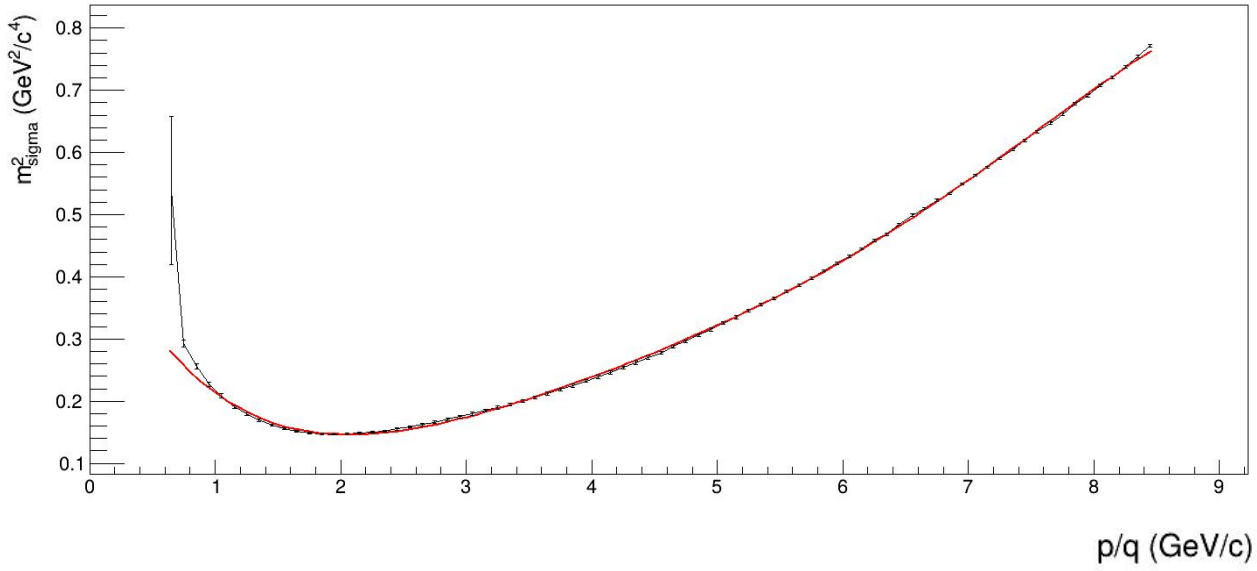
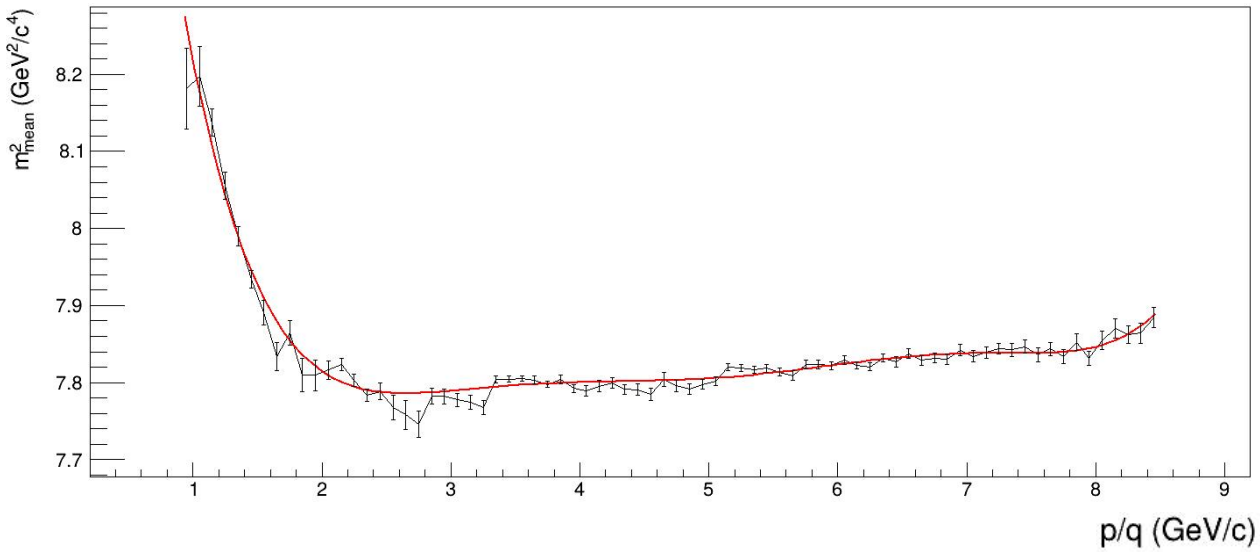
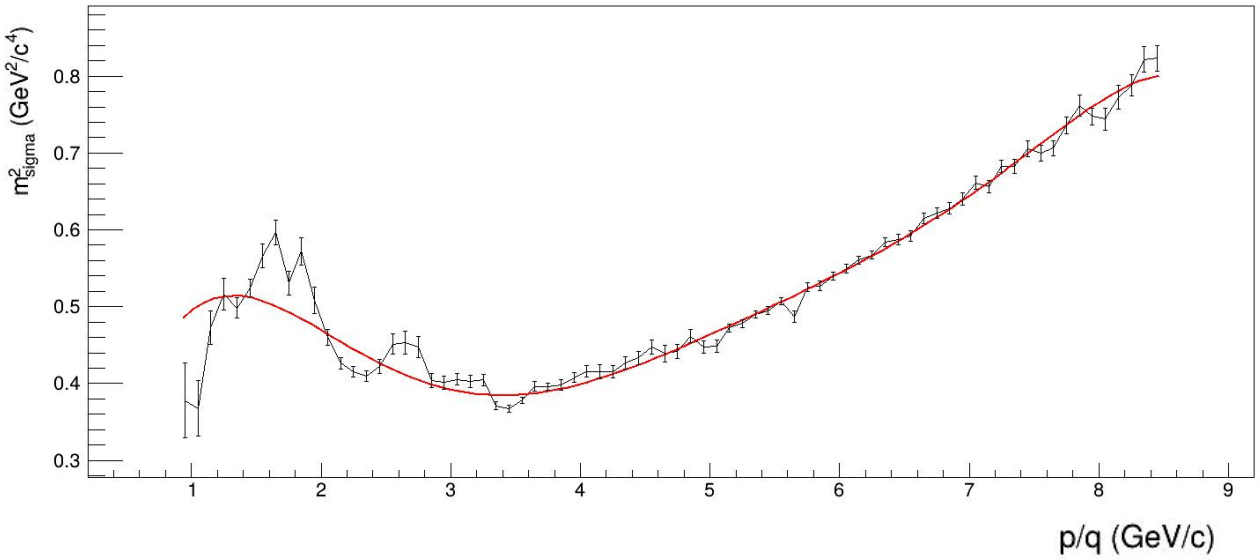




t - mean, sigma

ToF400:





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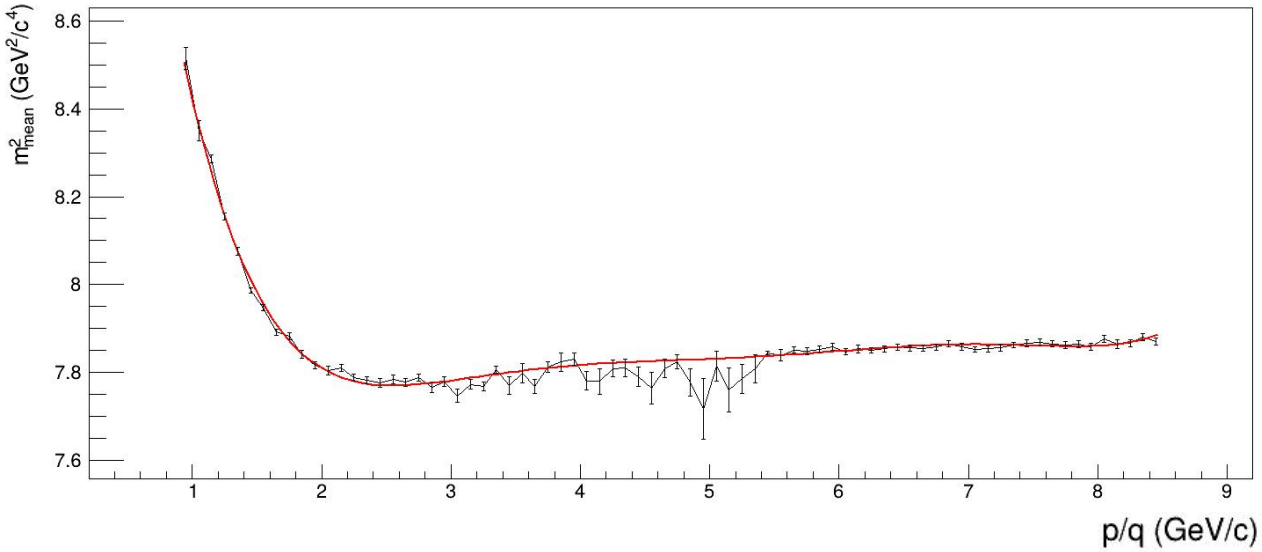
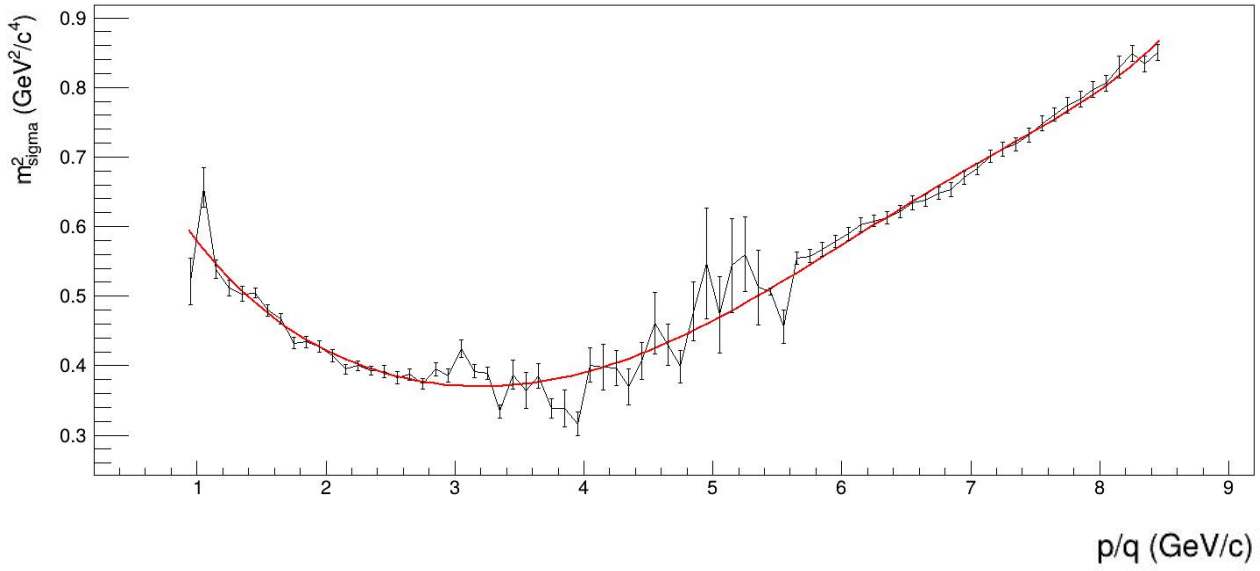
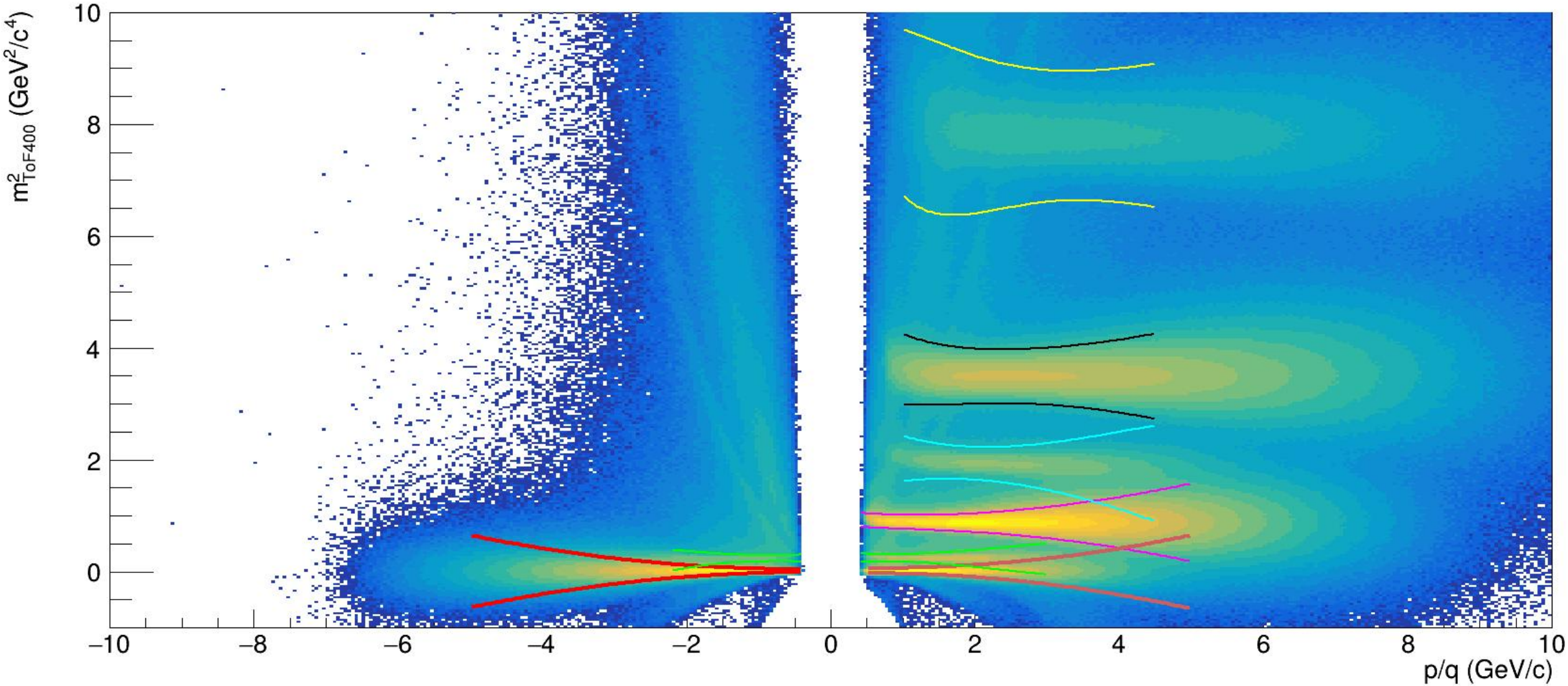




m2 vs p/q ToF400



m2 vs p/q ToF700

