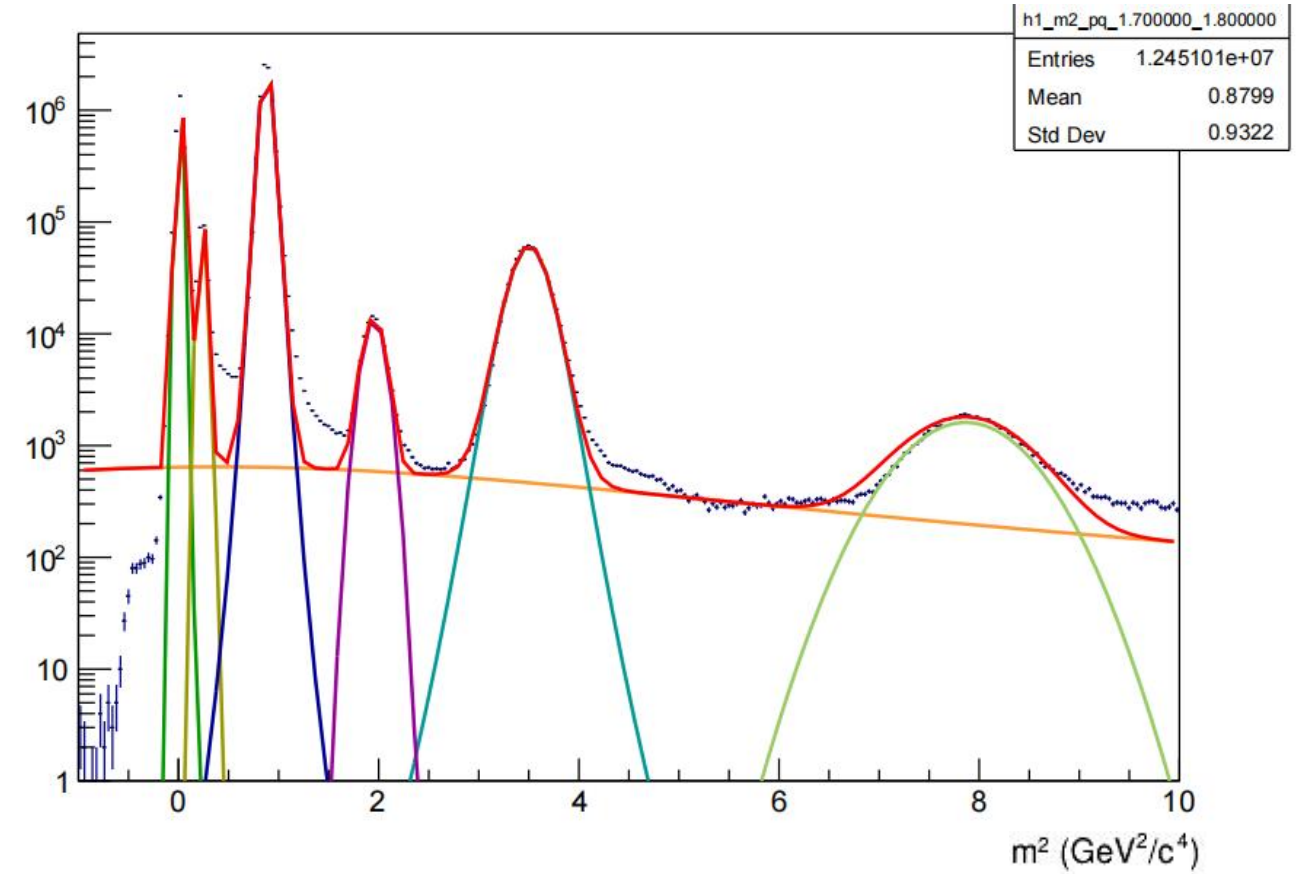
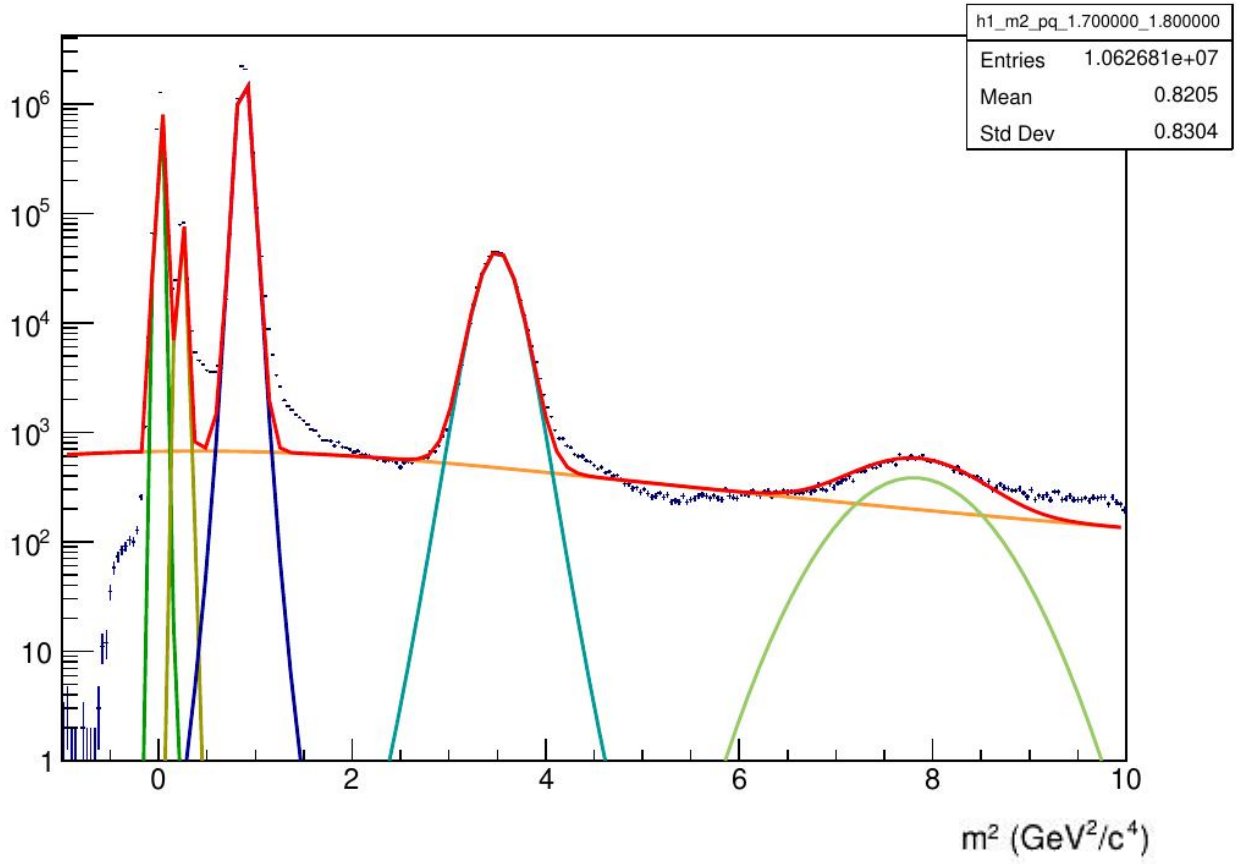
m^2 fit vs m^2 fit dEdx

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

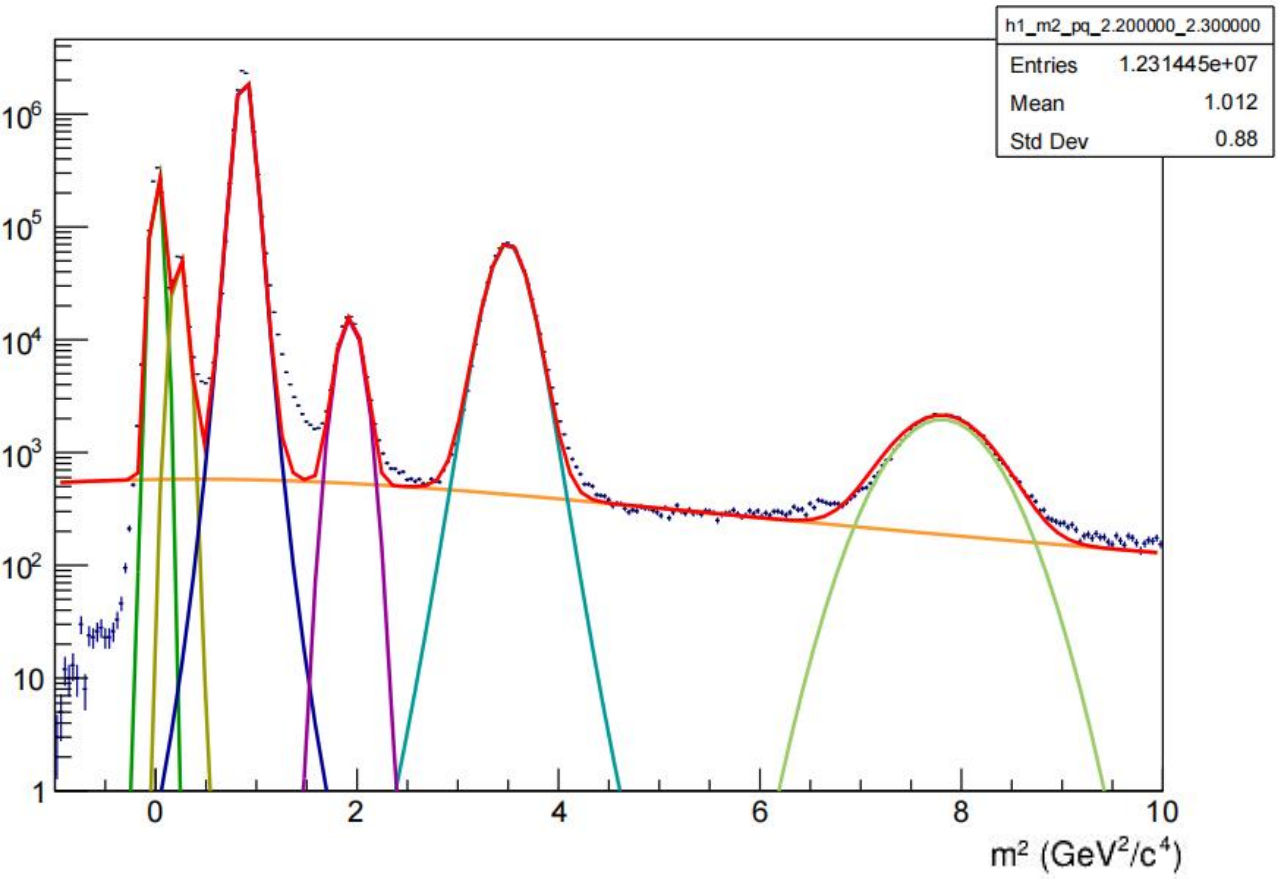
Отбор трека:
Nhits > 5
Chi2/Ndf < 5
DCA_R < 5

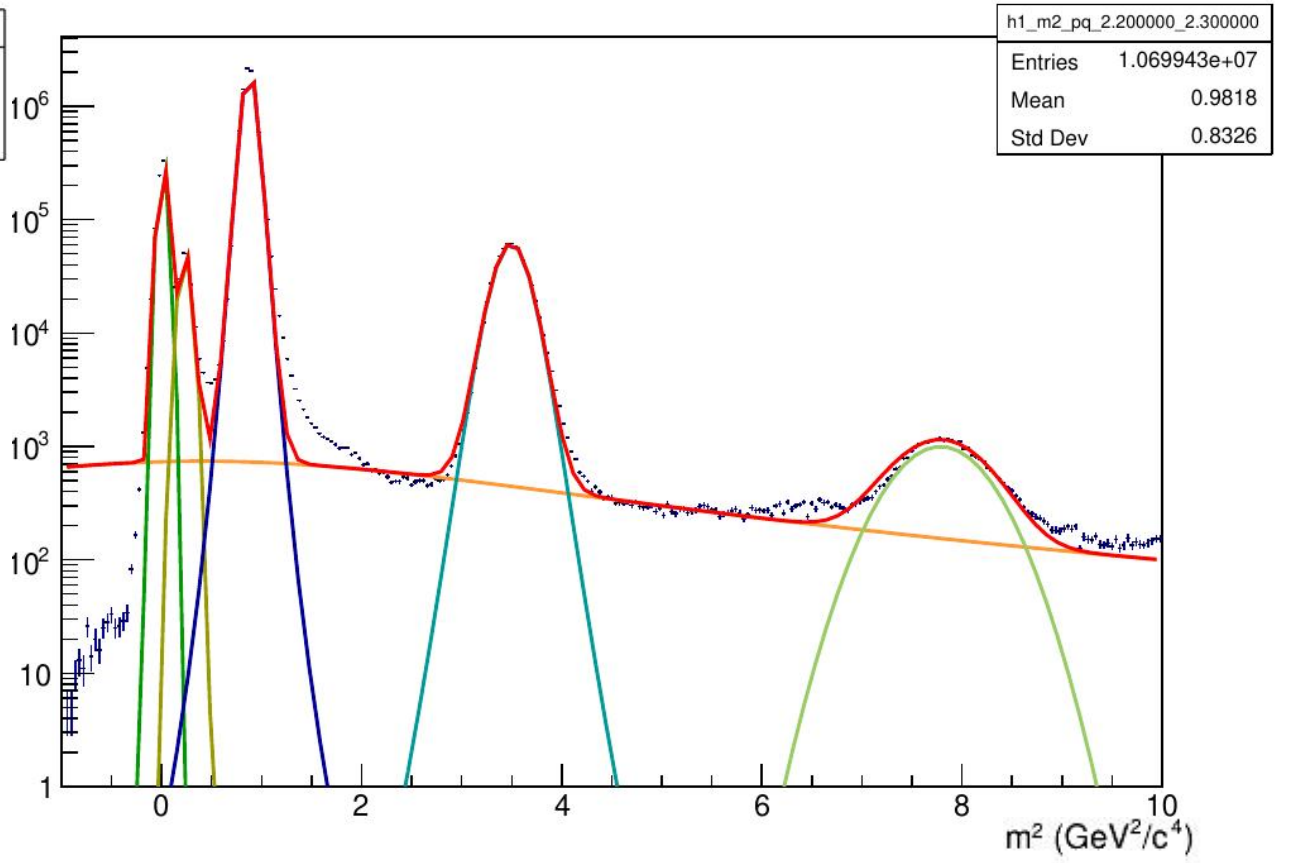
ToF400


h1_m2_pq_1.700000_1.800000
Entries 1.245101e+07
Mean 0.8799
Std Dev 0.9322
m² (GeV²/c⁴)

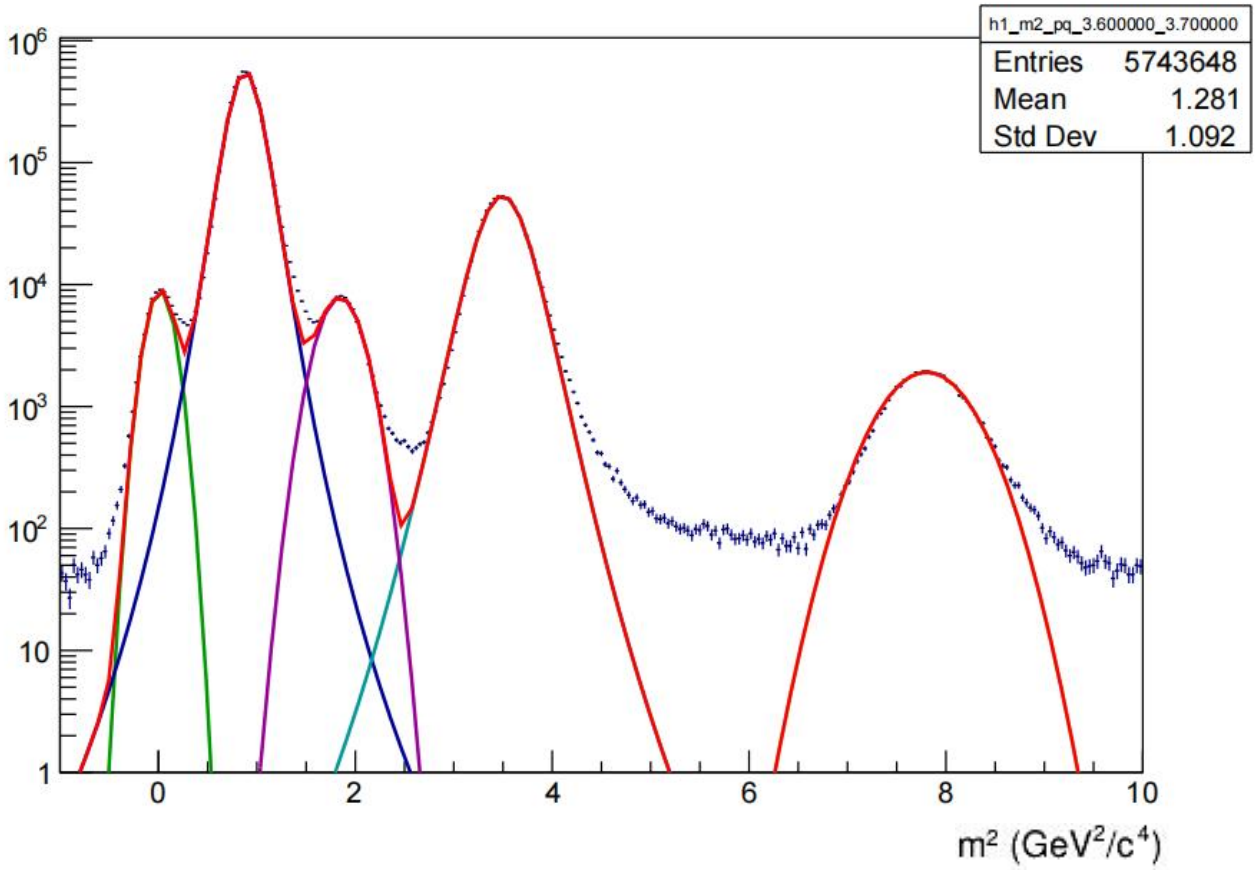

h1_m2_pq_1.700000_1.800000
Entries 1.062681e+07
Mean 0.8205
Std Dev 0.8304
m² (GeV²/c⁴)

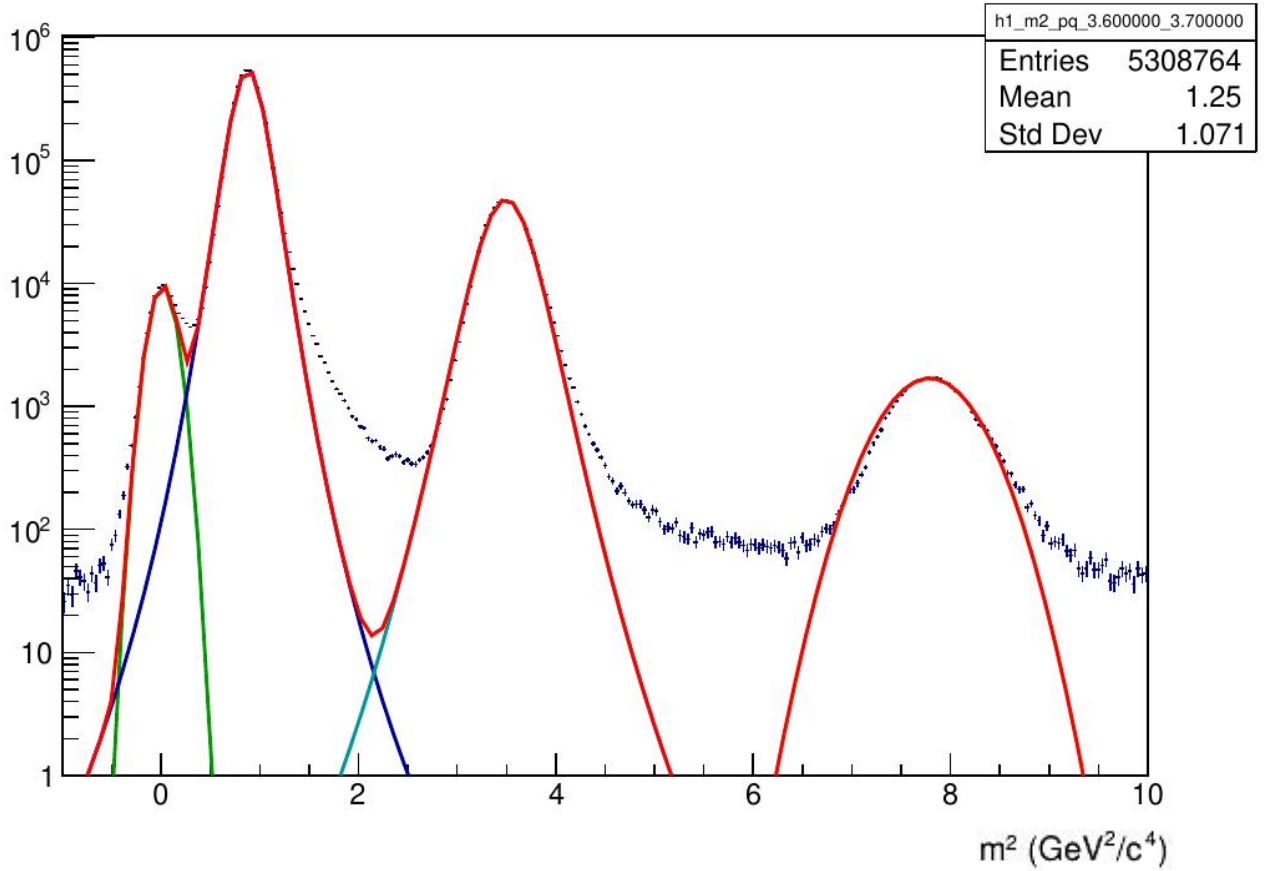
ToF400


h1_m2_pq_2.200000_2.300000
Entries 1.231445e+07
Mean 1.012
Std Dev 0.88
m² (GeV²/c⁴)

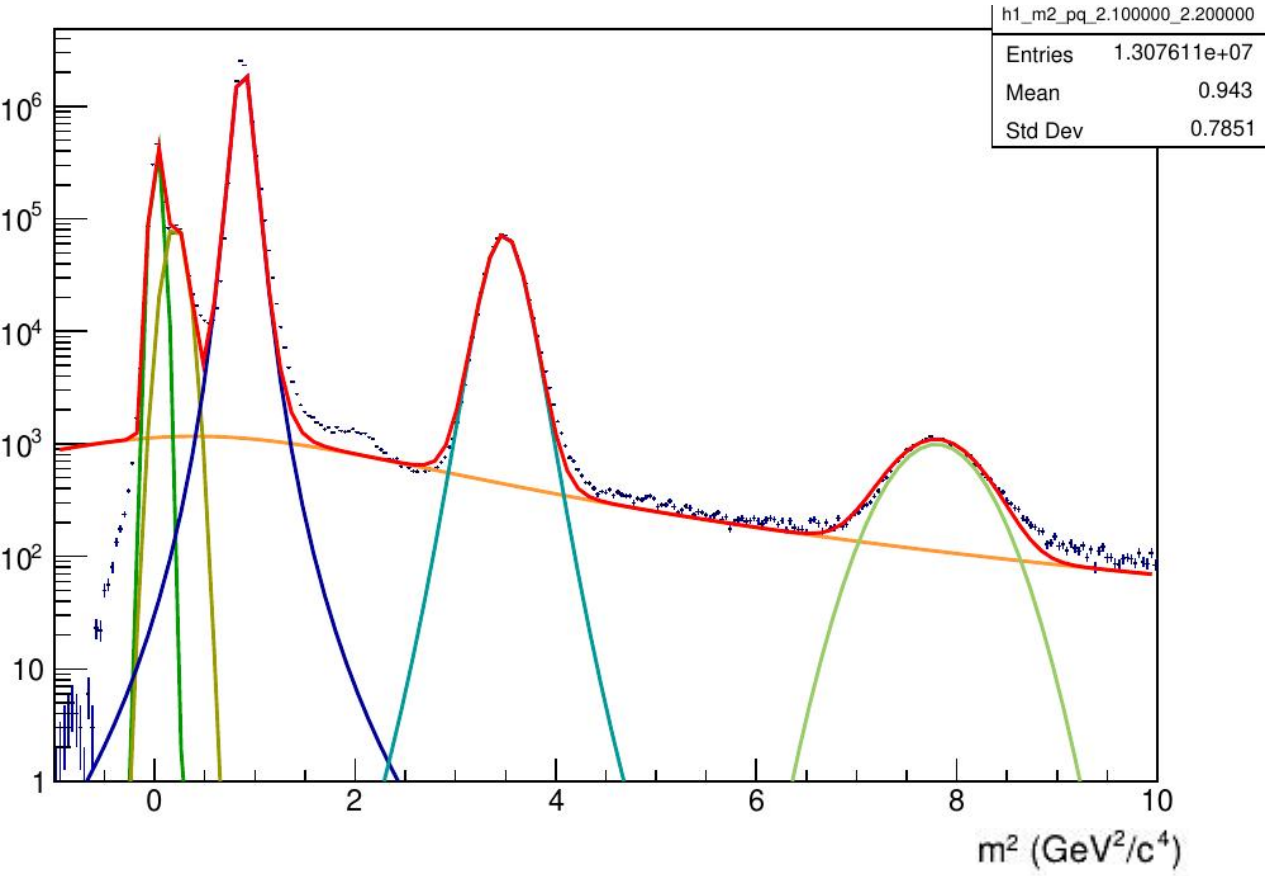

h1_m2_pq_2.200000_2.300000
Entries 1.069943e+07
Mean 0.9818
Std Dev 0.8326
m² (GeV²/c⁴)

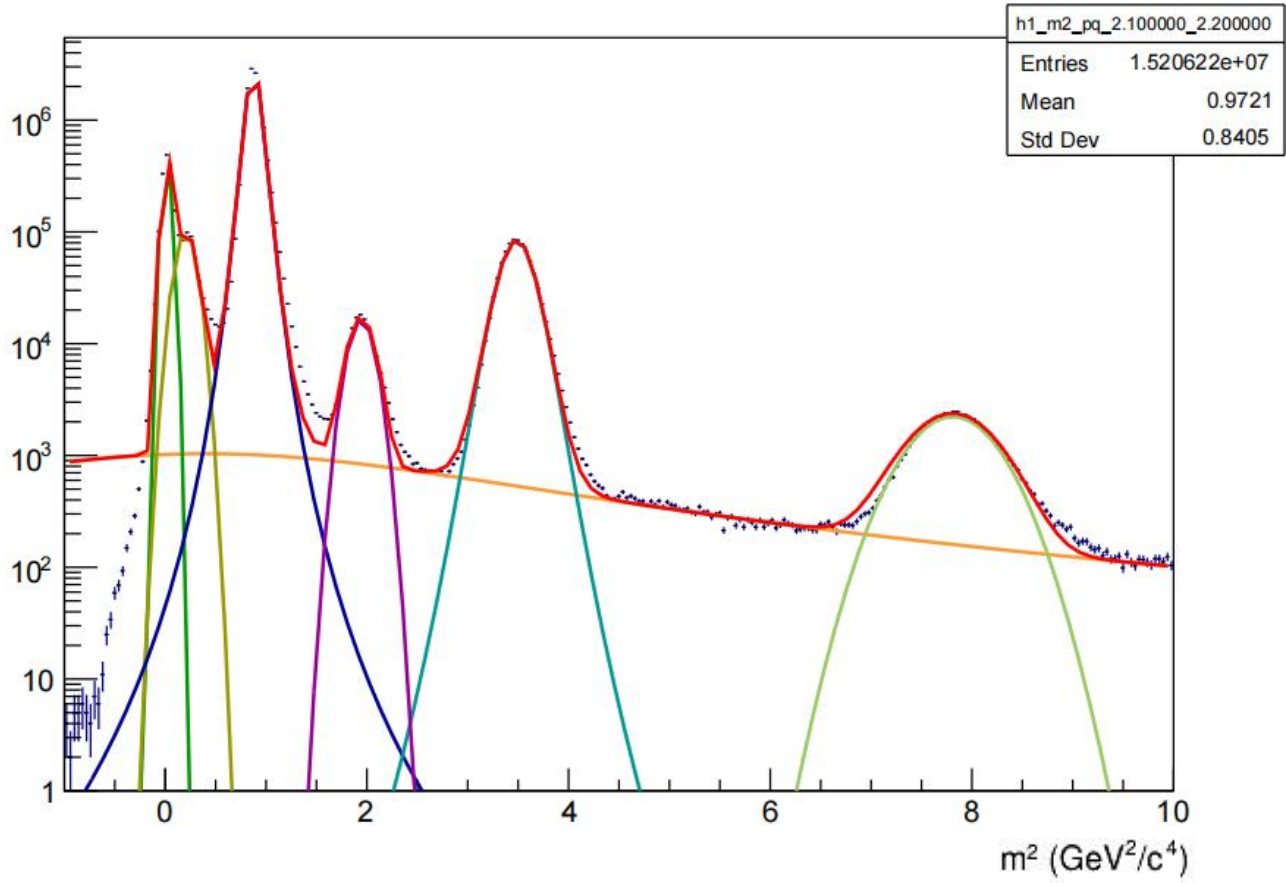
ToF400


h1_m2_pq_3.600000_3.700000
Entries 5743648
Mean 1.281
Std Dev 1.092
10^6
10^5
10^4
10^3
10^2
10
1
0
2
4
6
8
10
m^2 (GeV^2/c^4)

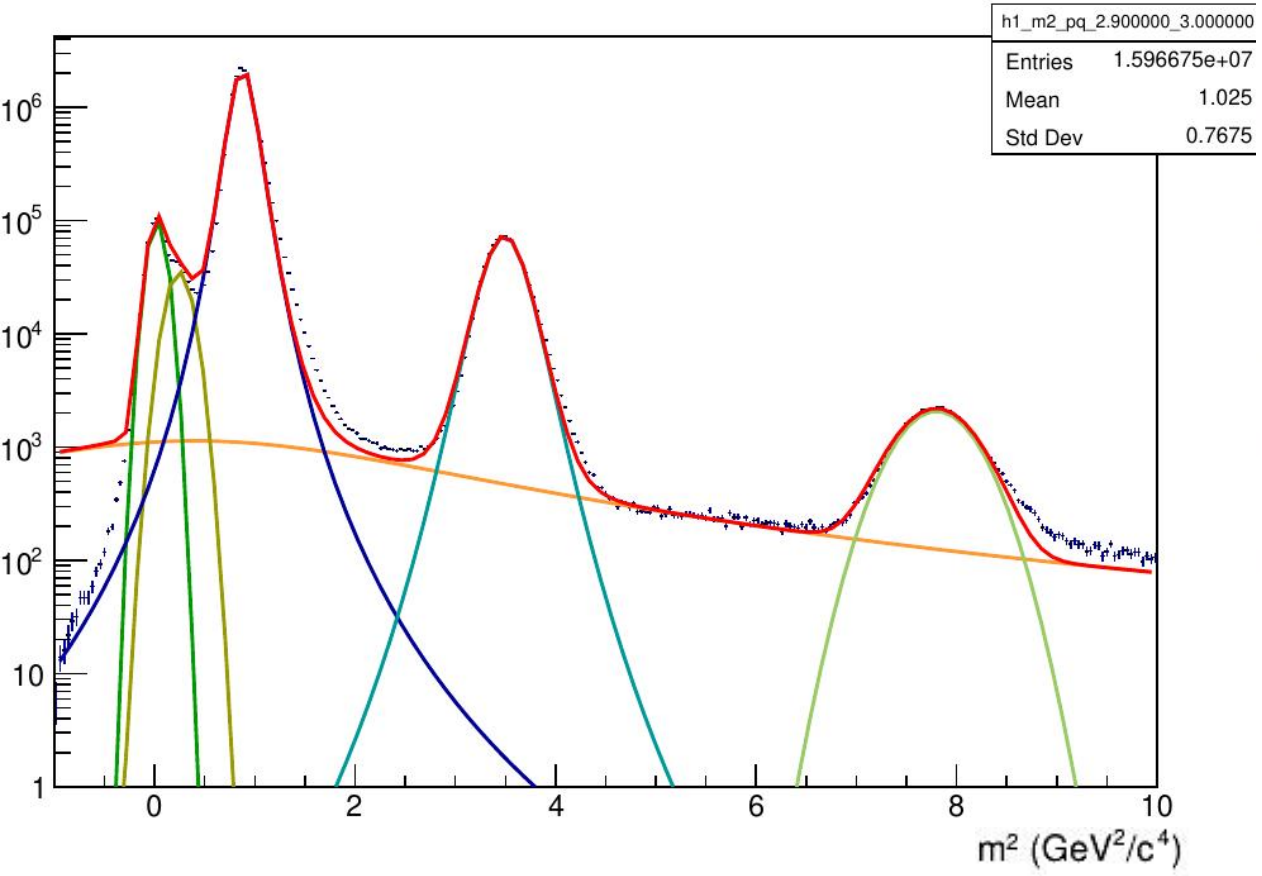

h1_m2_pq_3.600000_3.700000
Entries 5308764
Mean 1.25
Std Dev 1.071
10^6
10^5
10^4
10^3
10^2
10
1
0
2
4
6
8
10
m^2 (GeV^2/c^4)

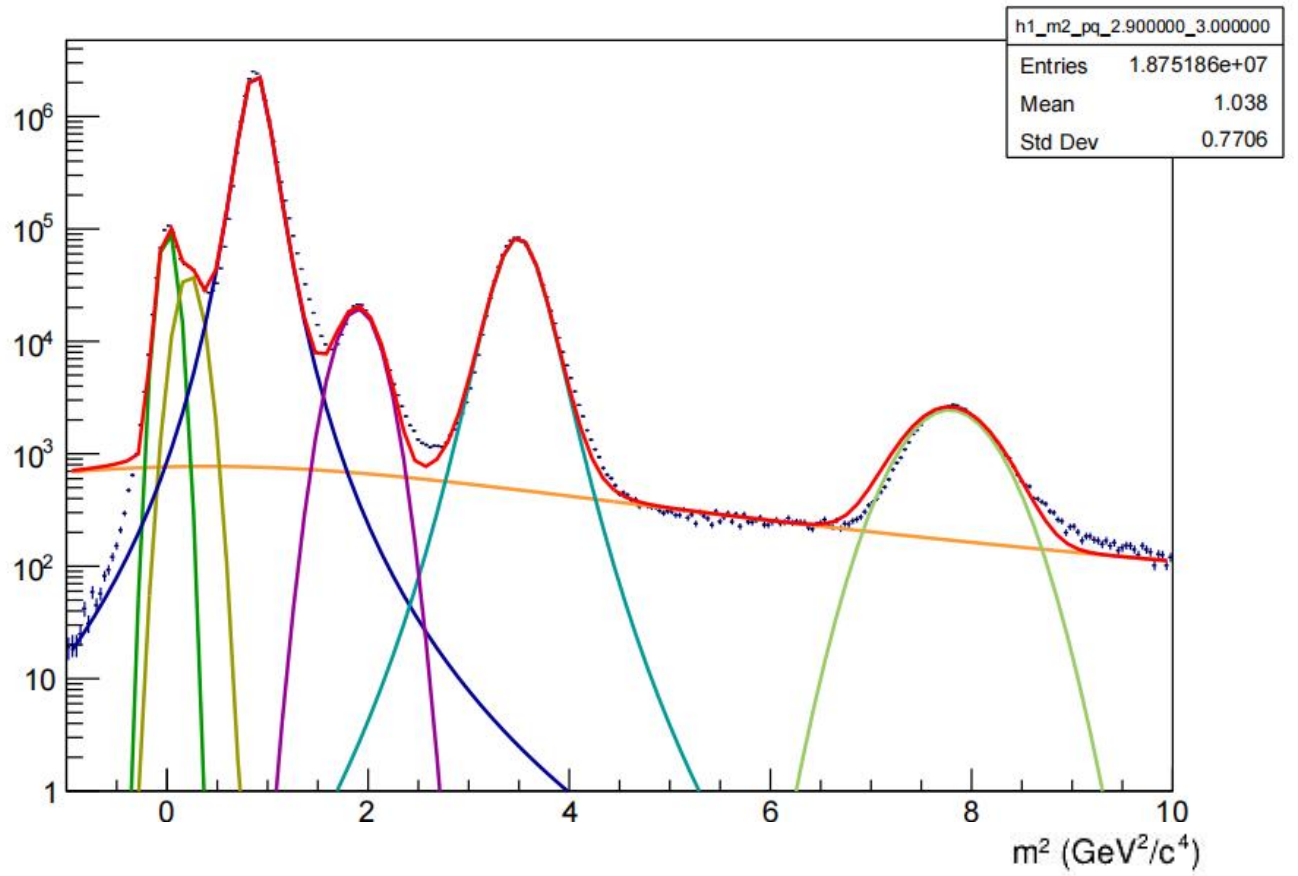
ToF700


h1_m2_pq_2.100000_2.200000
Entries 1.307611e+07
Mean 0.943
Std Dev 0.7851
m² (GeV²/c⁴)


h1_m2_pq_2.100000_2.200000
Entries 1.520622e+07
Mean 0.9721
Std Dev 0.8405
m² (GeV²/c⁴)

ToF700


h1_m2_pq_2.900000_3.000000
Entries 1.596675e+07
Mean 1.025
Std Dev 0.7675
m² (GeV²/c⁴)


h1_m2_pq_2.900000_3.000000
Entries 1.875186e+07
Mean 1.038
Std Dev 0.7706
m² (GeV²/c⁴)