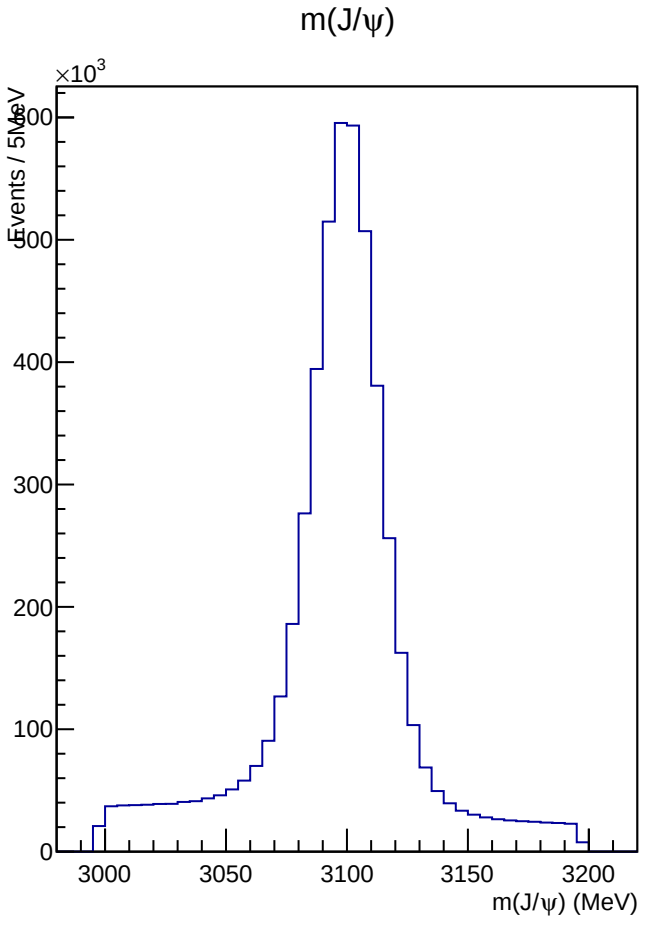
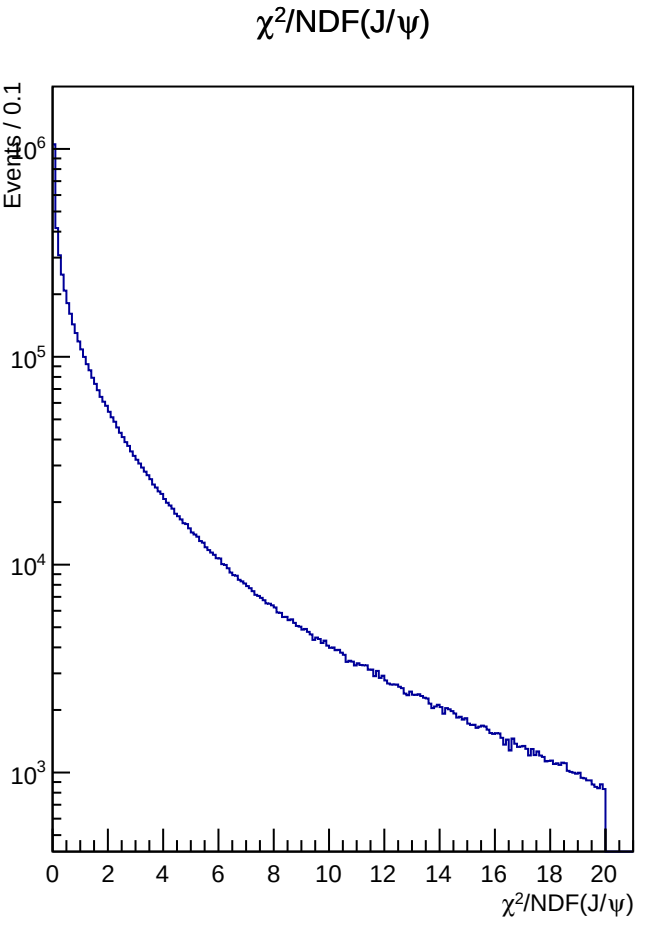
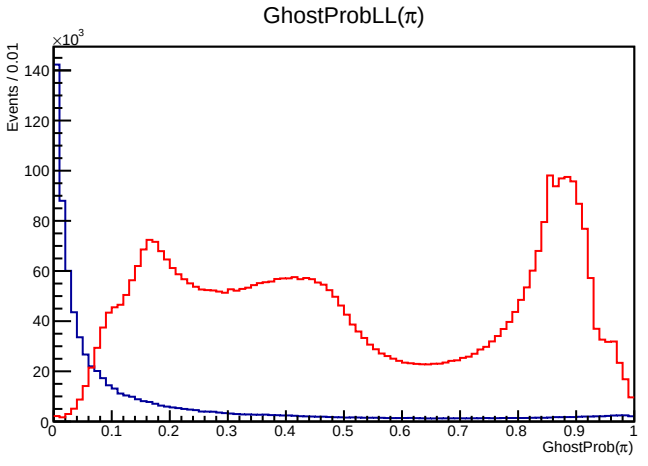
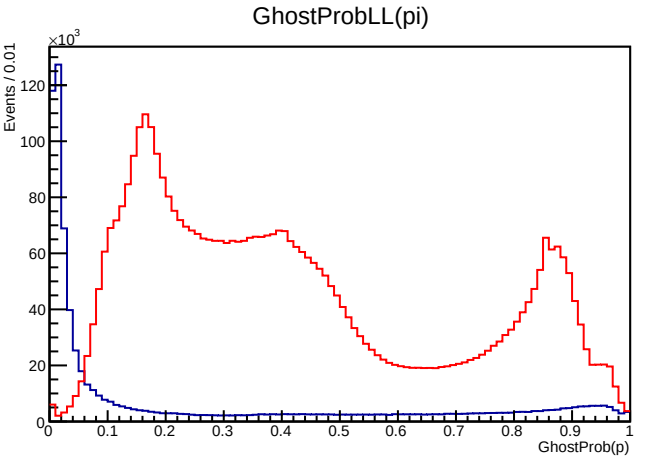
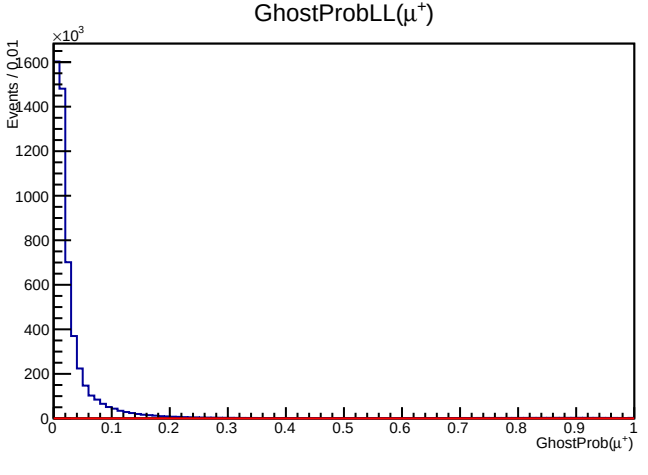
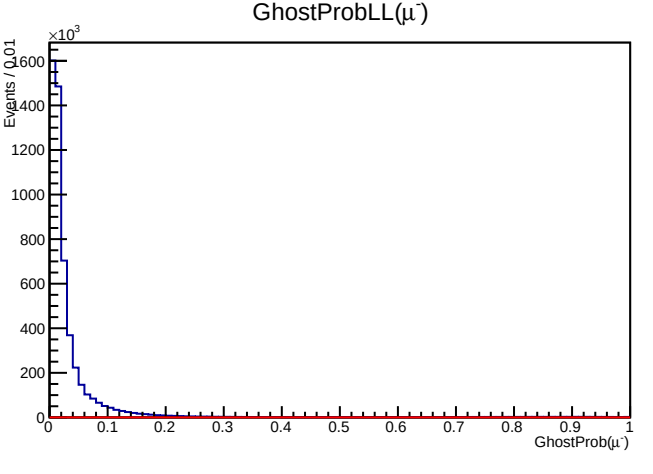

m(J/ψ)
×10^3
Events / 5MeV
500
400
300
200
100
0
3000
3050
3100
3150
3200
m(J/ψ) (MeV)

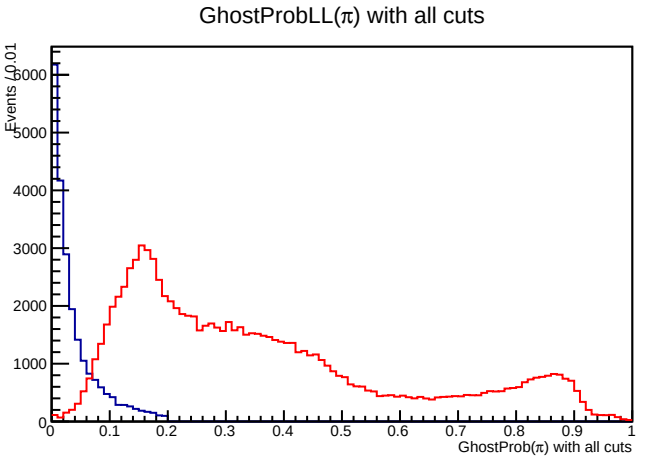

χ²/NDF(J/ψ)
Events / 0.1
10^6
10^5
10^4
10^3
0
2
4
6
8
10
12
14
16
18
20
χ²/NDF(J/ψ)

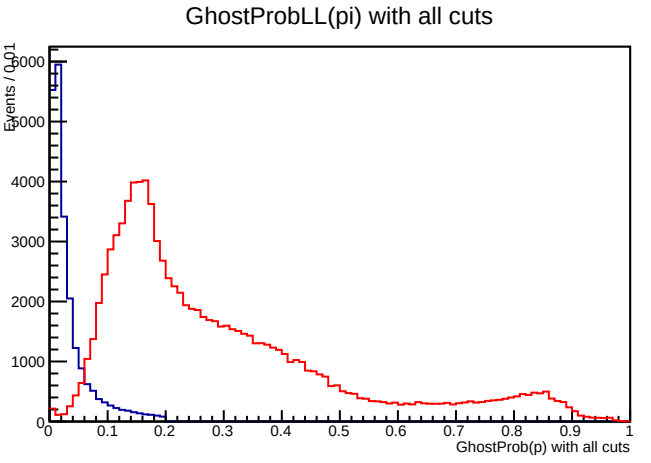

GhostProbLL(π)
×10^3
Events / 0.01
GhostProb(π)

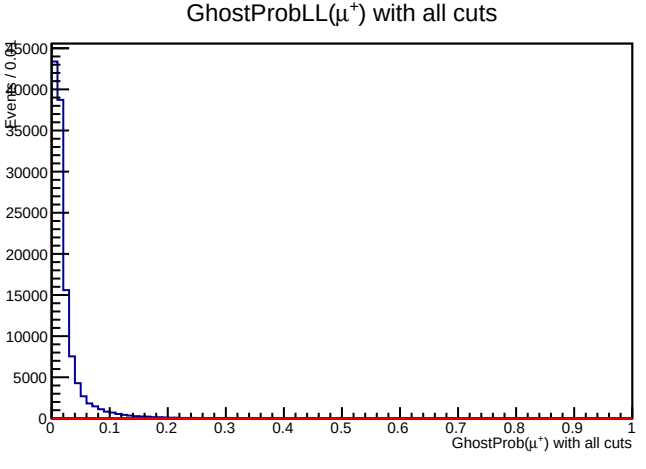

GhostProbLL(pi)
×10^3
Events / 0.01
GhostProb(p)

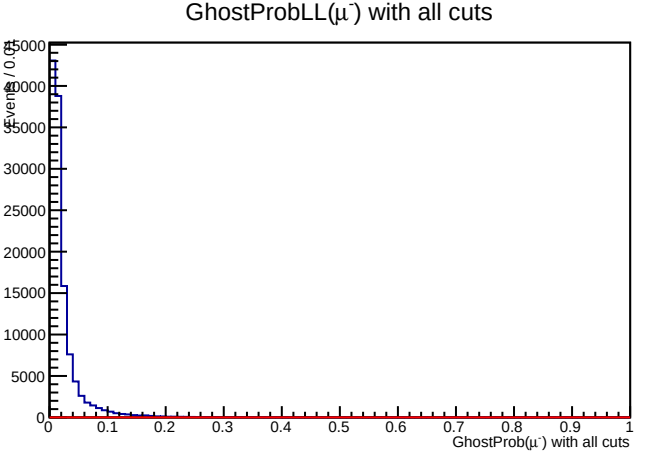

GhostProbLL(μ+)
×10^3
Events / 0.01
GhostProb(μ+)

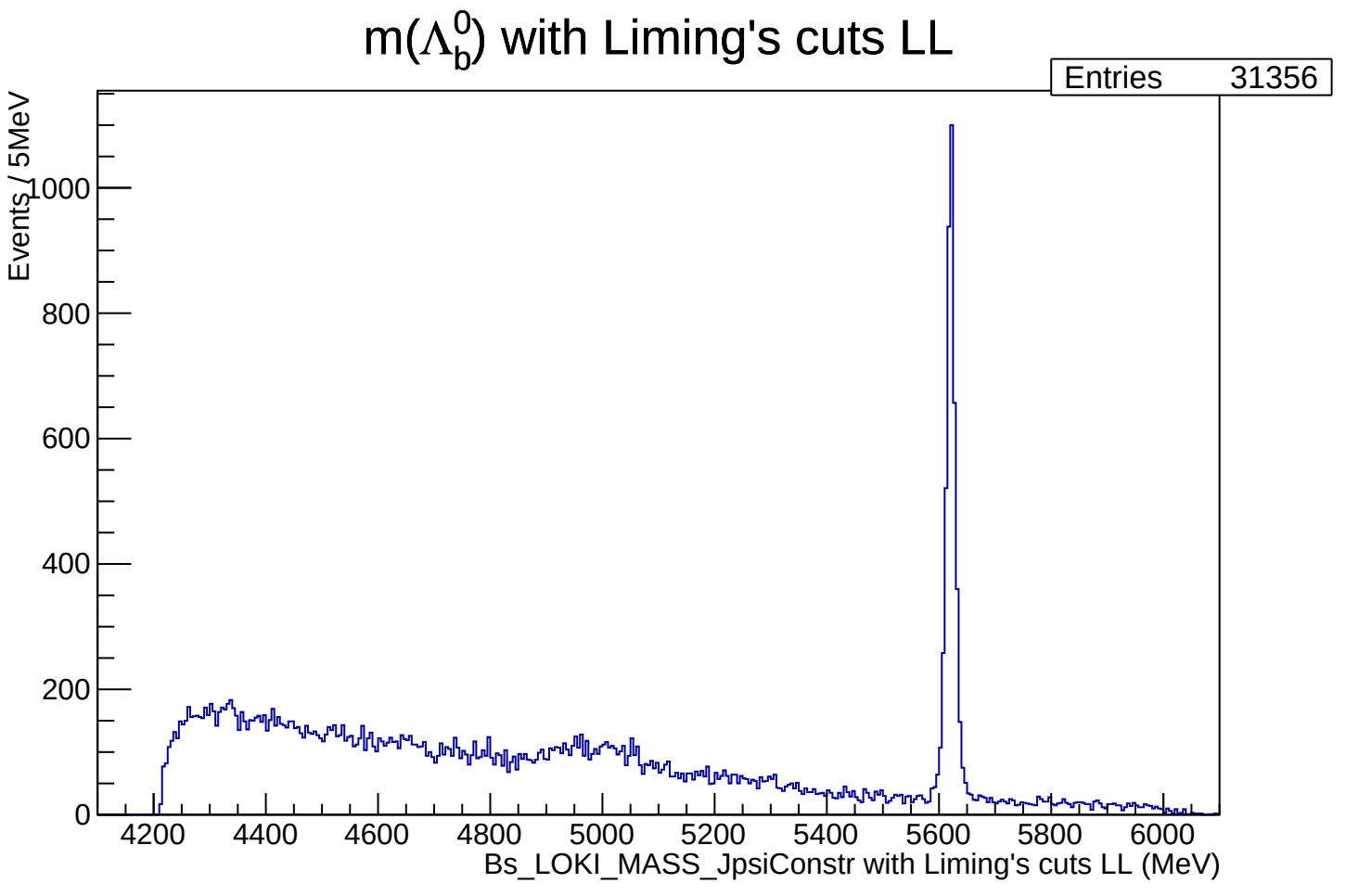

GhostProbLL(μ-)
×10^3
Events / 0.01
GhostProb(μ-)

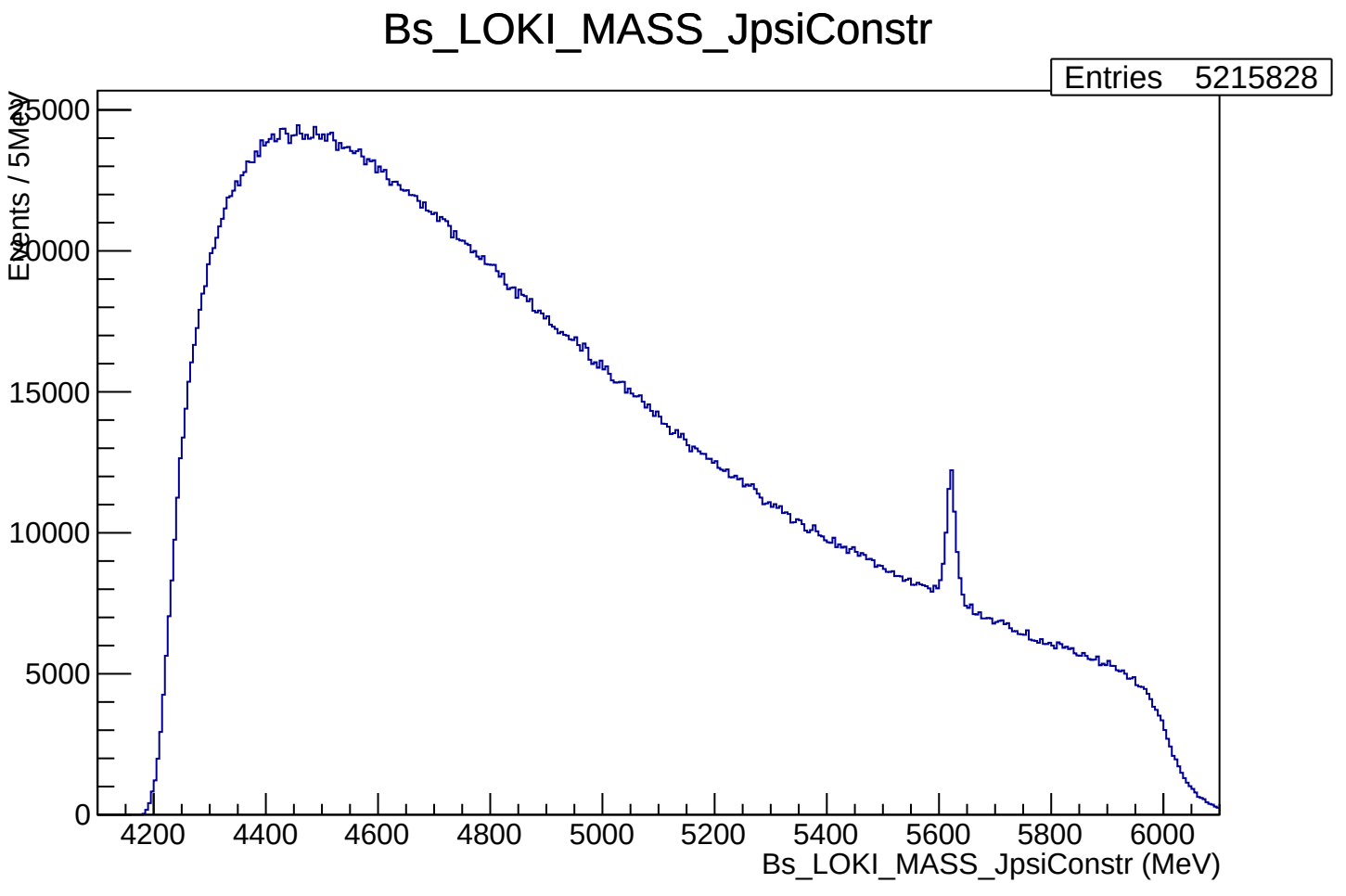

GhostProbLL(π) with all cuts
Events / 0.01
GhostProb(π) with all cuts

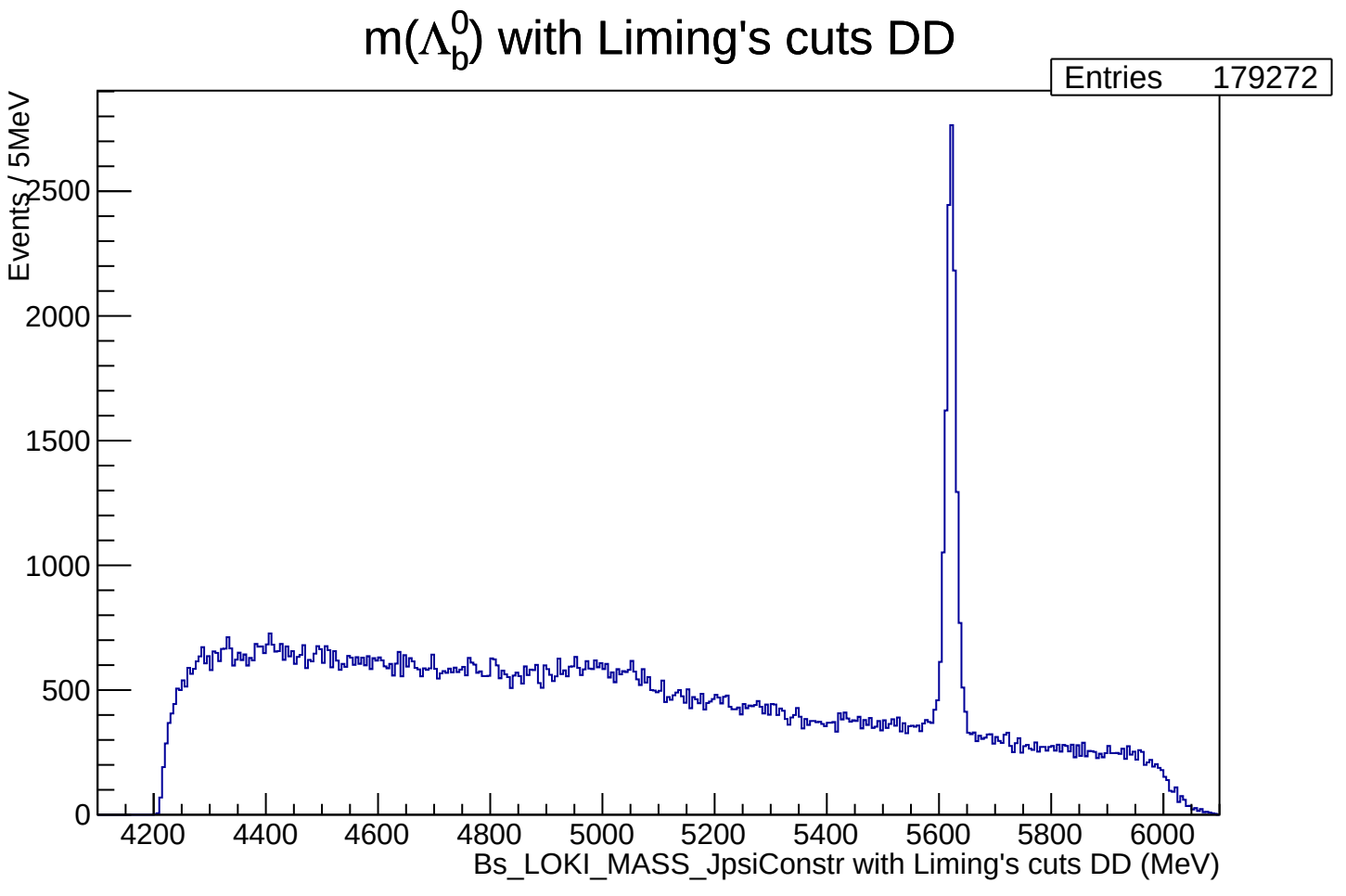

GhostProbLL(pi) with all cuts
Events / 0.01
GhostProb(p) with all cuts

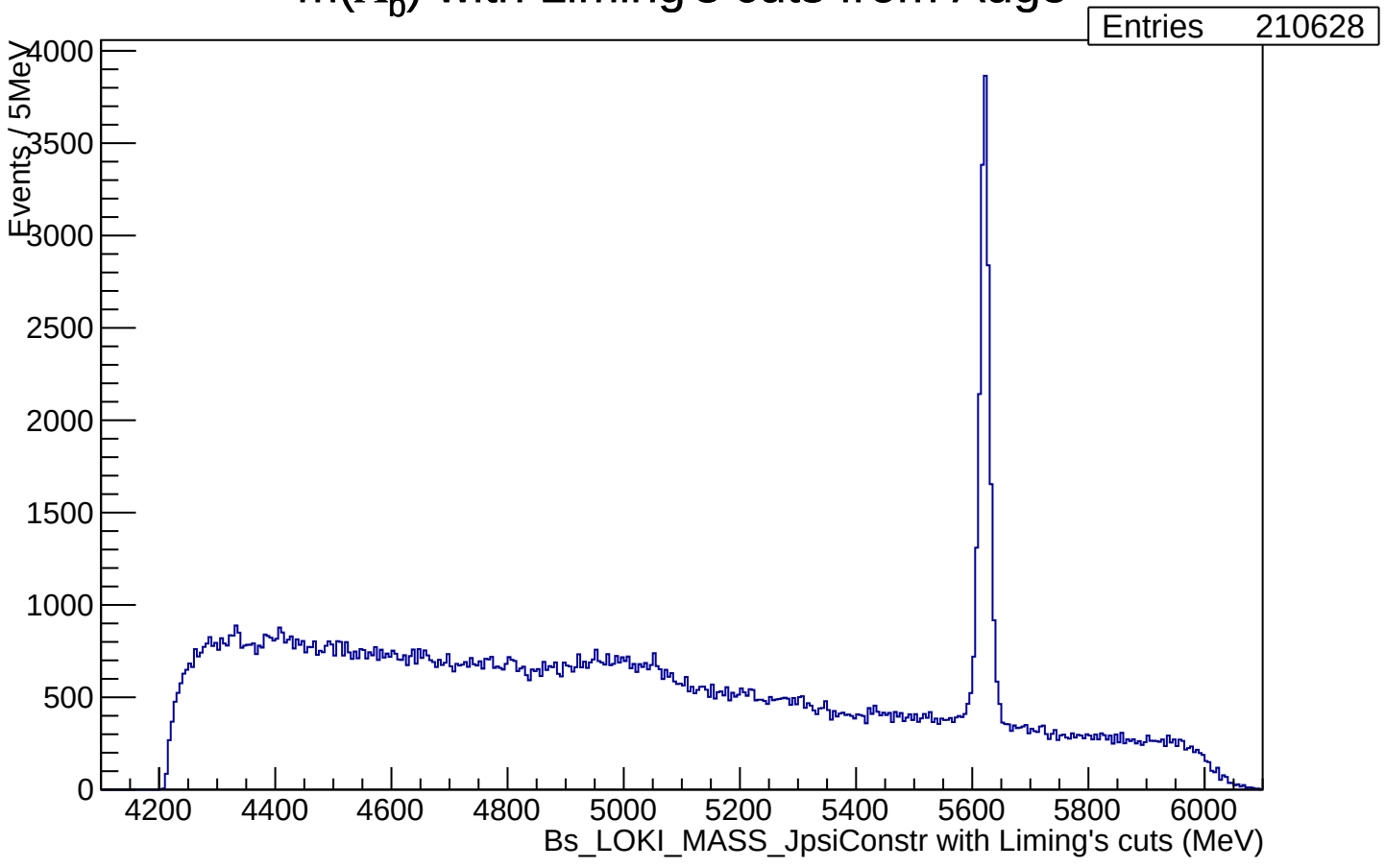

GhostProbLL(μ+) with all cuts
Events / 0.01
GhostProb(μ+) with all cuts

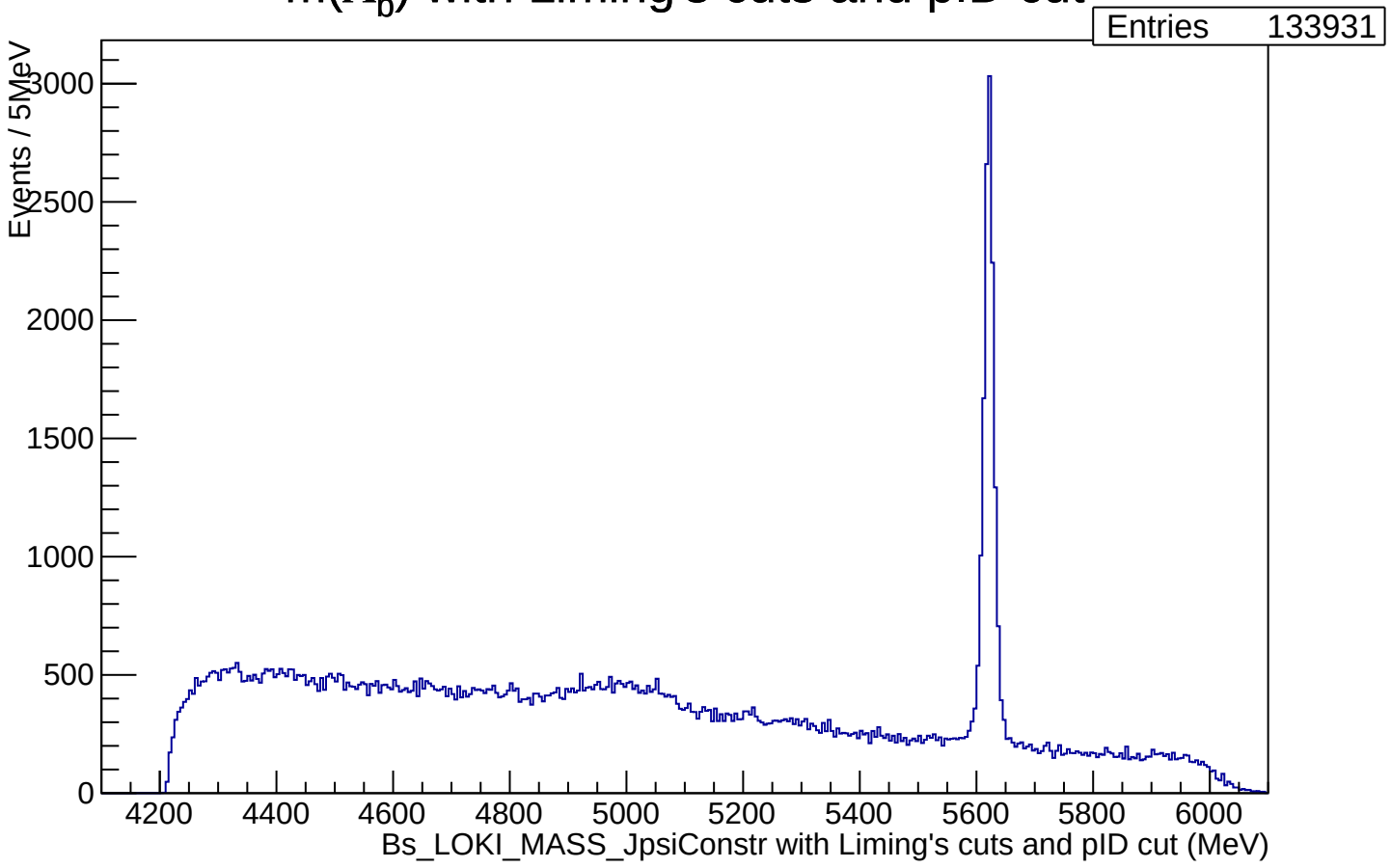

GhostProbLL(μ-) with all cuts
Events / 0.01
GhostProb(μ-) with all cuts

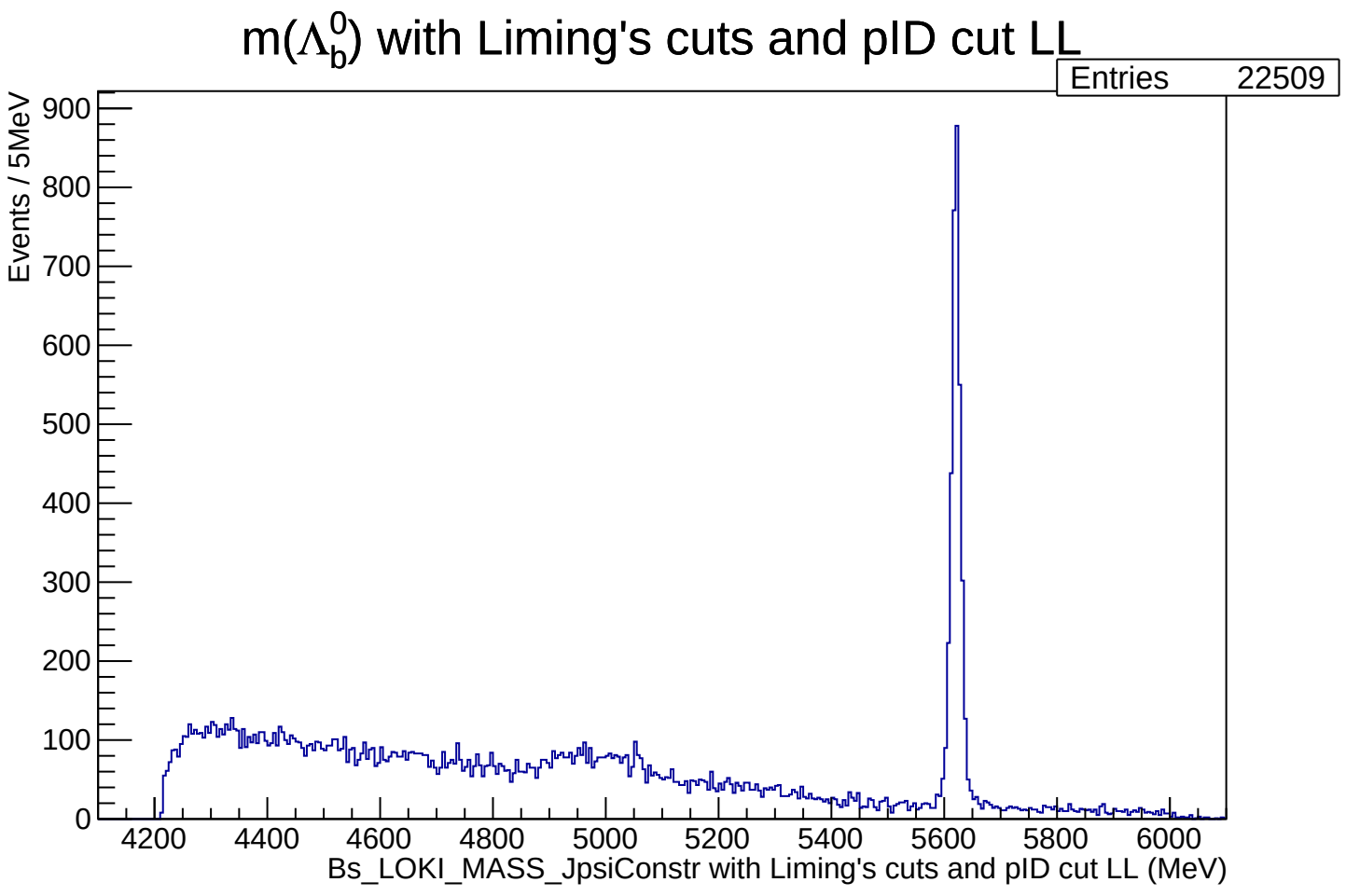

m(Λ_b^0) with Liming's cuts LL
Entries 31356
Events / 5MeV
0
200
400
600
800
1000
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000
Bs_LOKI_MASS_JpsiConstr with Liming's cuts LL (MeV)

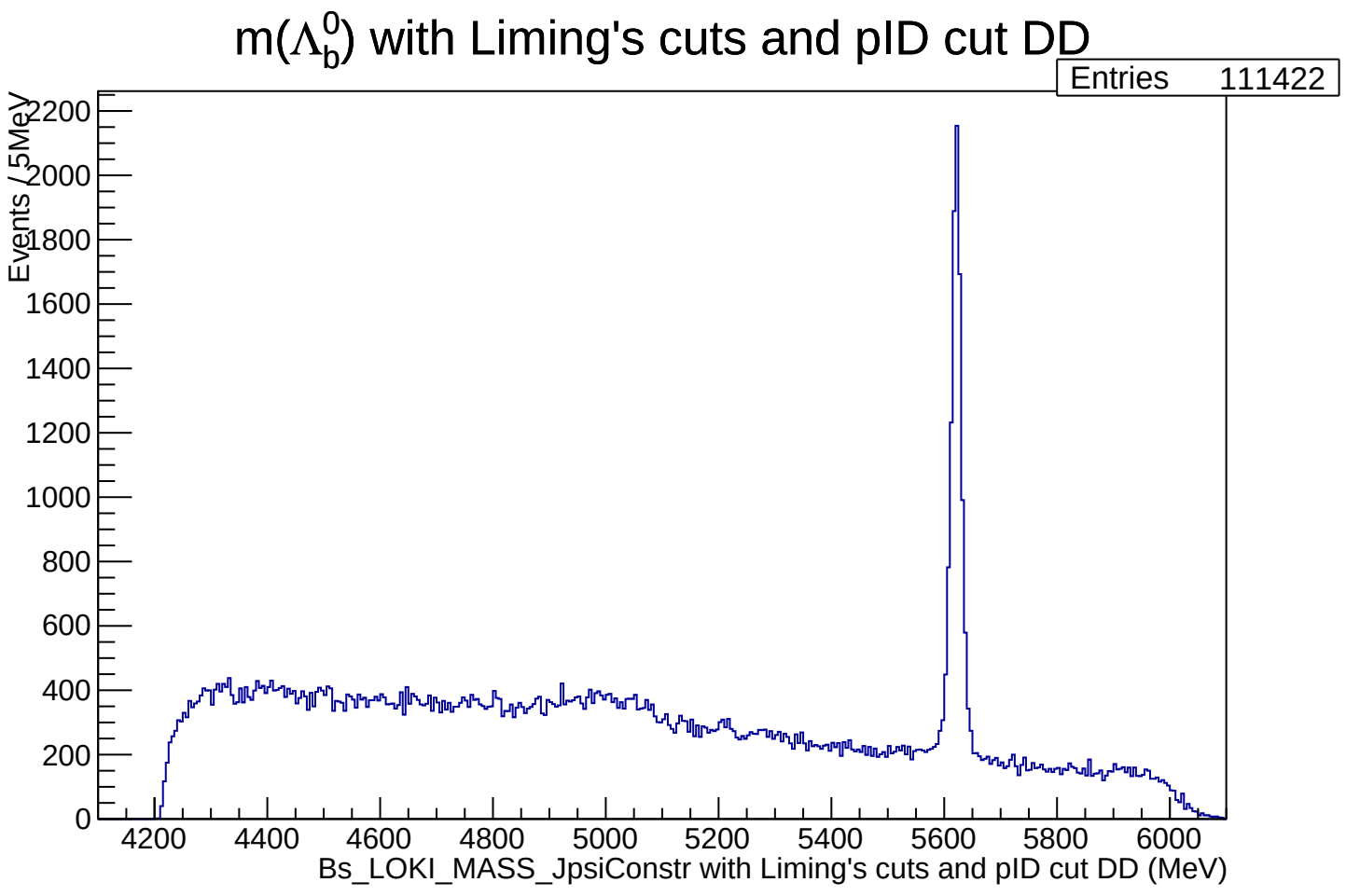

Bs_LOKI_MASS_JpsiConstr
Entries 5215828
Events / 5MeV
25000
20000
15000
10000
5000
0
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000
Bs_LOKI_MASS_JpsiConstr (MeV)

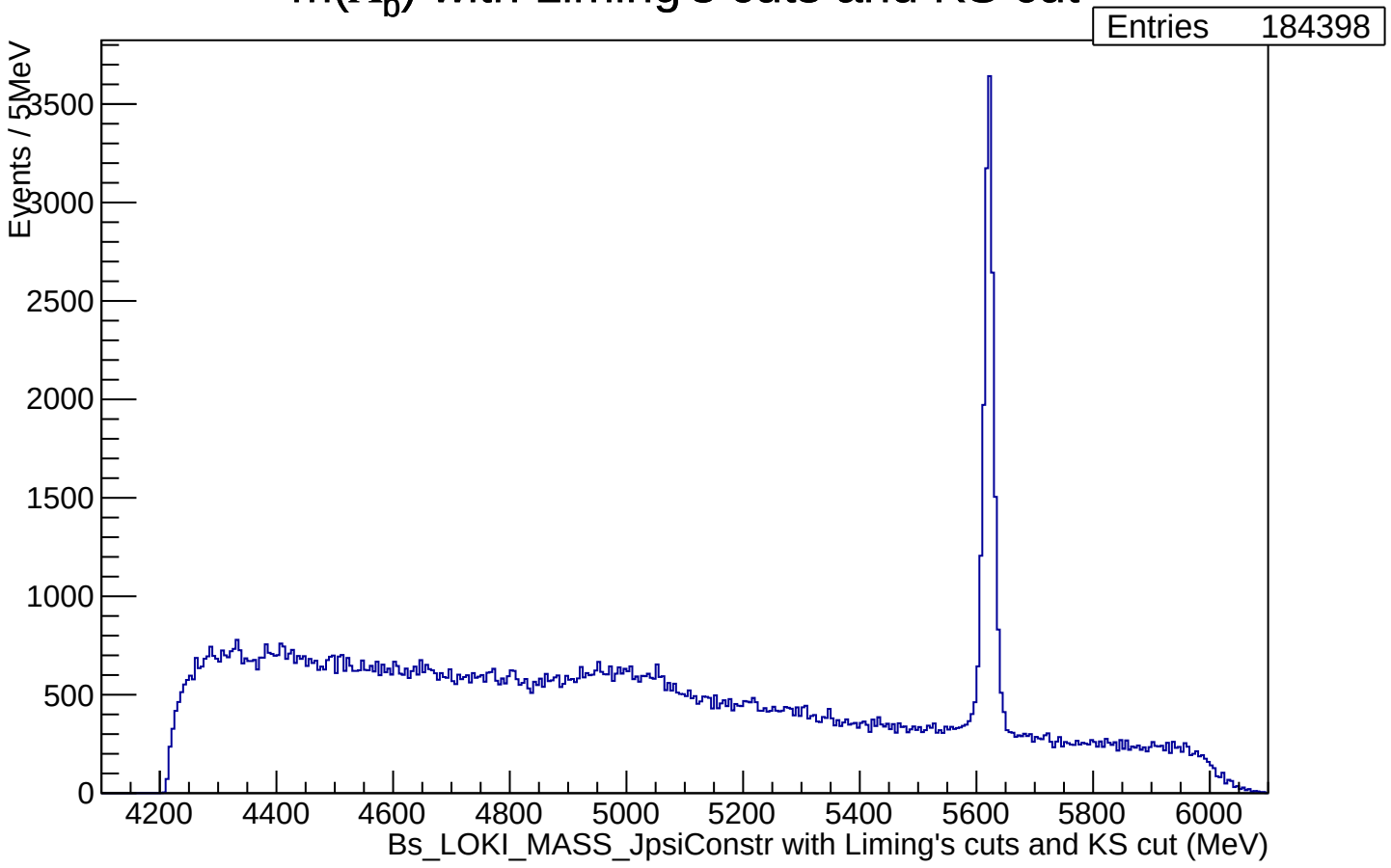

$m(\Lambda_b^0)$ with Liming's cuts DD
Entries 179272
Events / 5MeV
0
500
1000
1500
2000
2500
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000
Bs_LOKI_MASS_JpsiConstr with Liming's cuts DD (MeV)

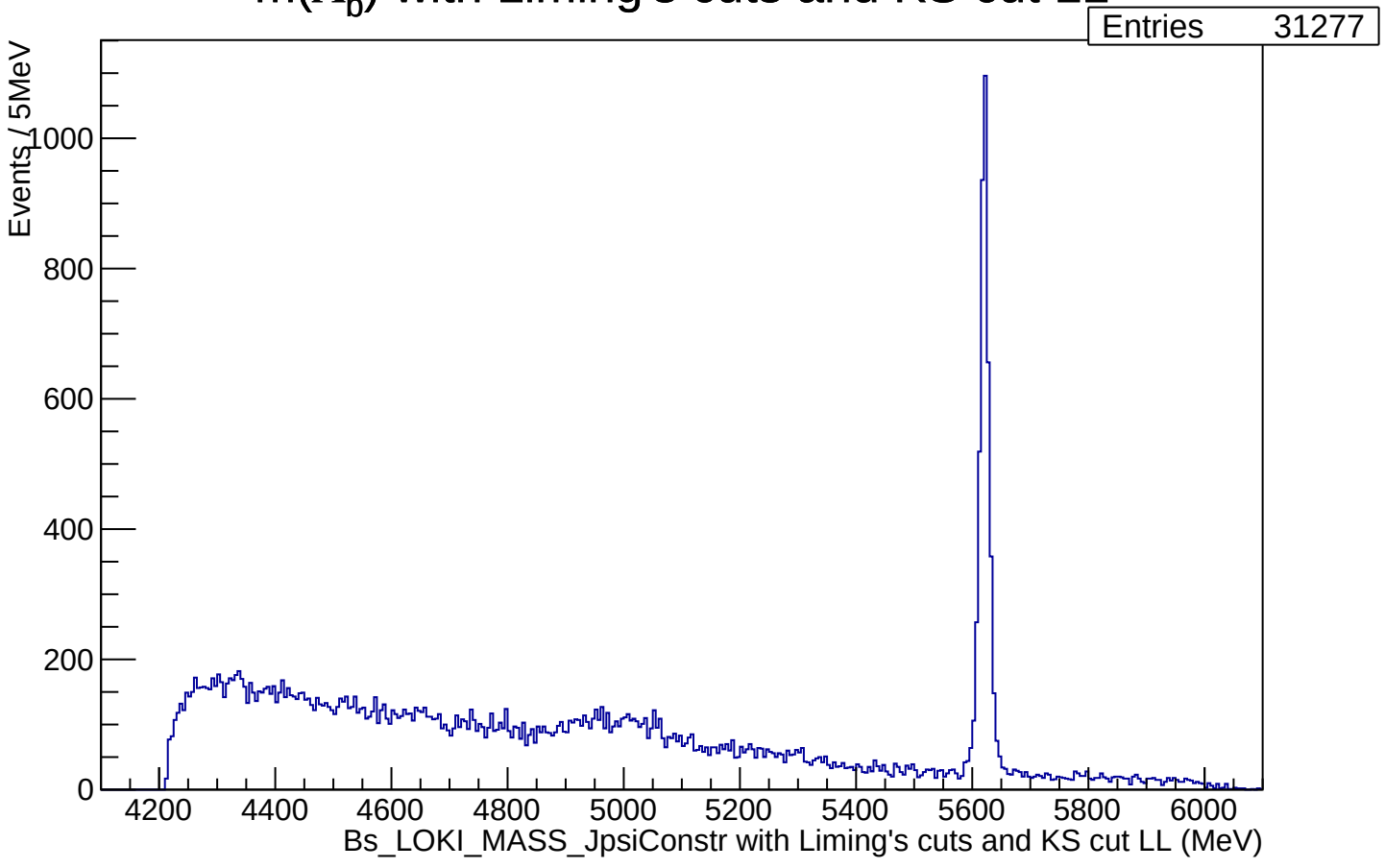

m(Λ_b^0) with Liming's cuts from Aug5
Entries 210628
Events / 5MeV
4000
3500
3000
2500
2000
1500
1000
500
0
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000
Bs_LOKI_MASS_JpsiConstr with Liming's cuts (MeV)

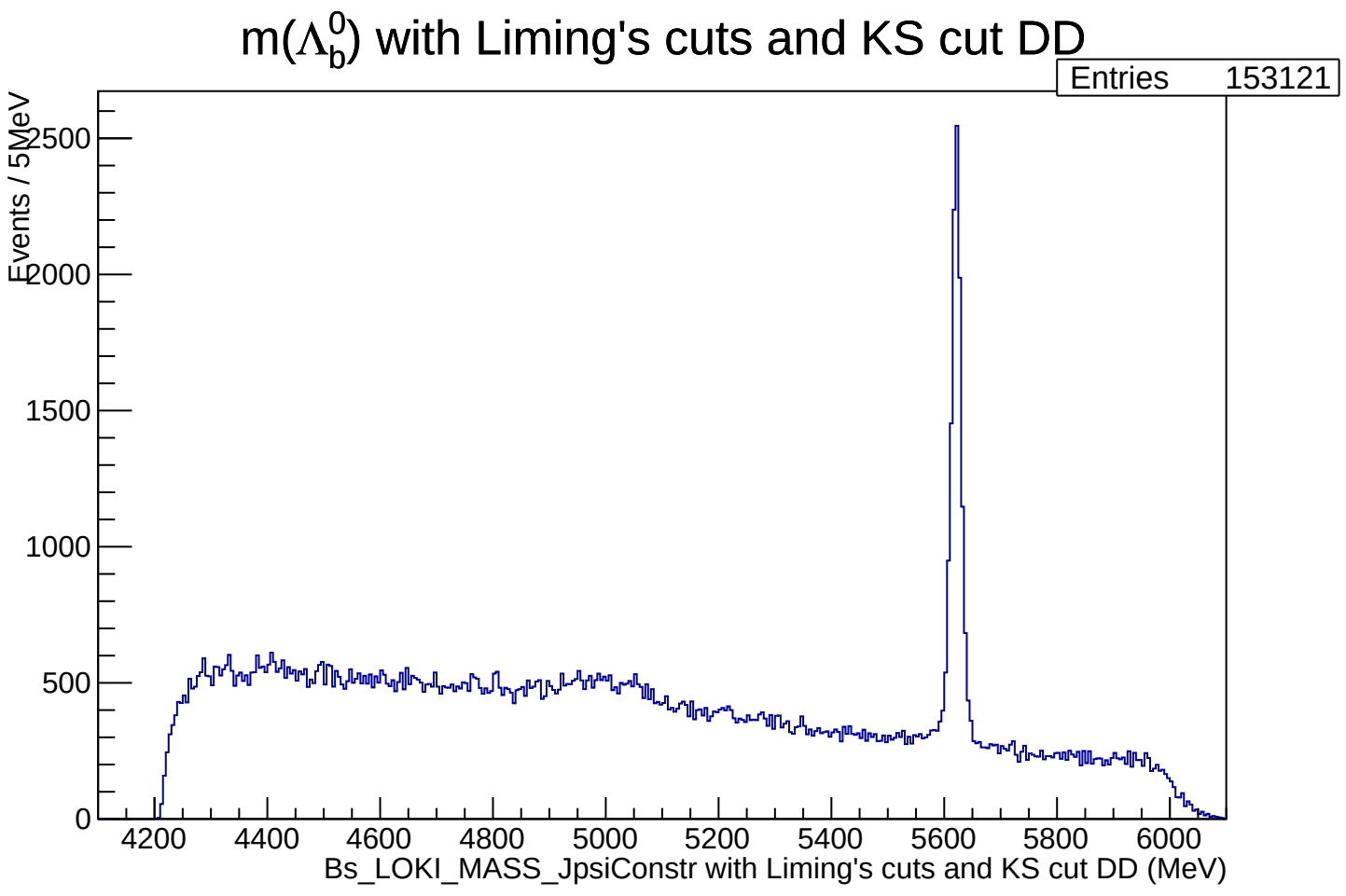

m(Λ_b^0) with Liming's cuts and pID cut
Entries 133931
Events / 5MeV
3000
2500
2000
1500
1000
500
0
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000
Bs_LOKI_MASS_JpsiConstr with Liming's cuts and pID cut (MeV)

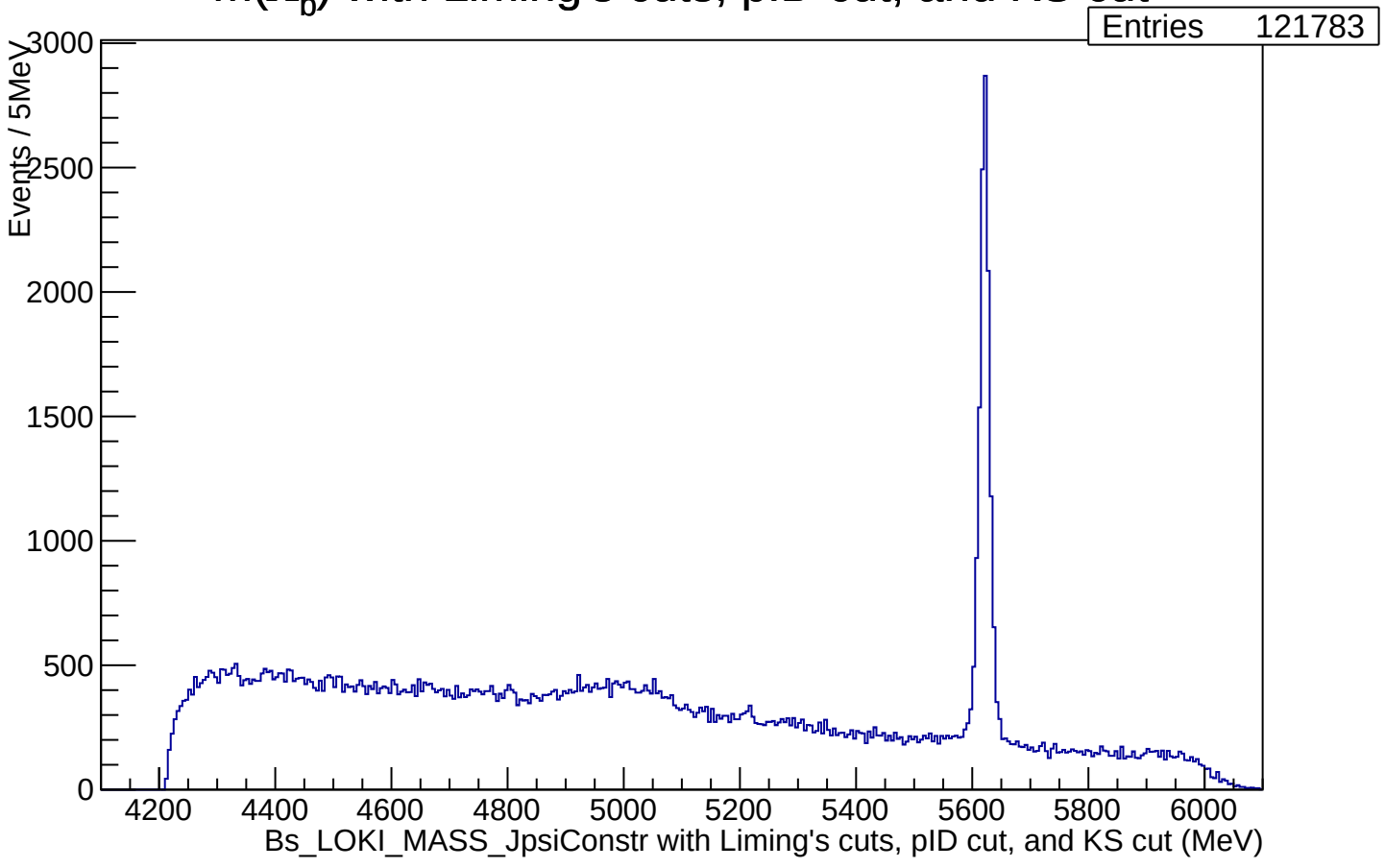

m(Λ_b^0) with Liming's cuts and pID cut LL
Entries 22509
Events / 5MeV
0
100
200
300
400
500
600
700
800
900
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000
Bs_LOKI_MASS_JpsiConstr with Liming's cuts and pID cut LL (MeV)

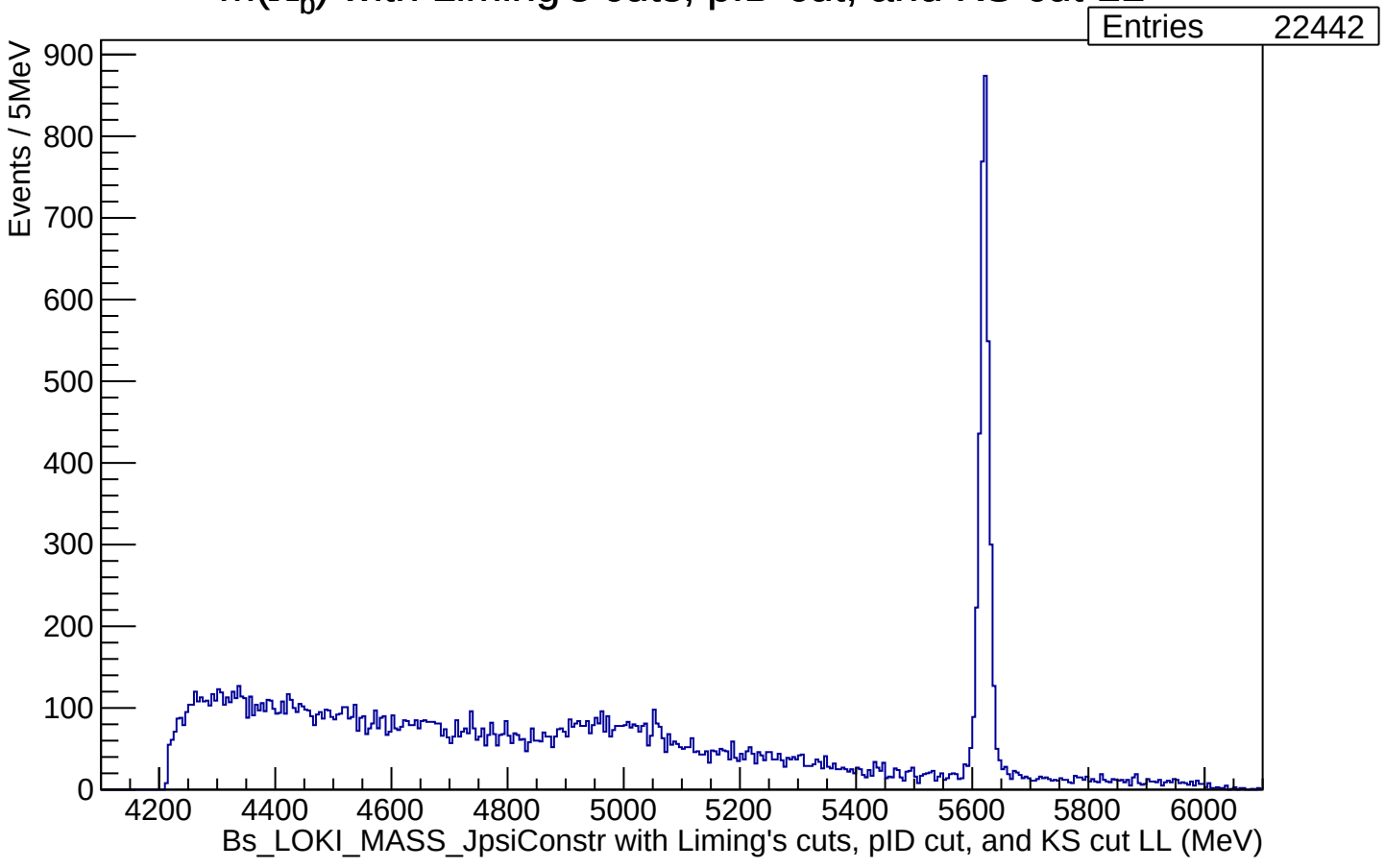

m(Λ_b^0) with Liming's cuts and pID cut DD
Entries 111422
Events / 5MeV
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000
Bs_LOKI_MASS_JpsiConstr with Liming's cuts and pID cut DD (MeV)

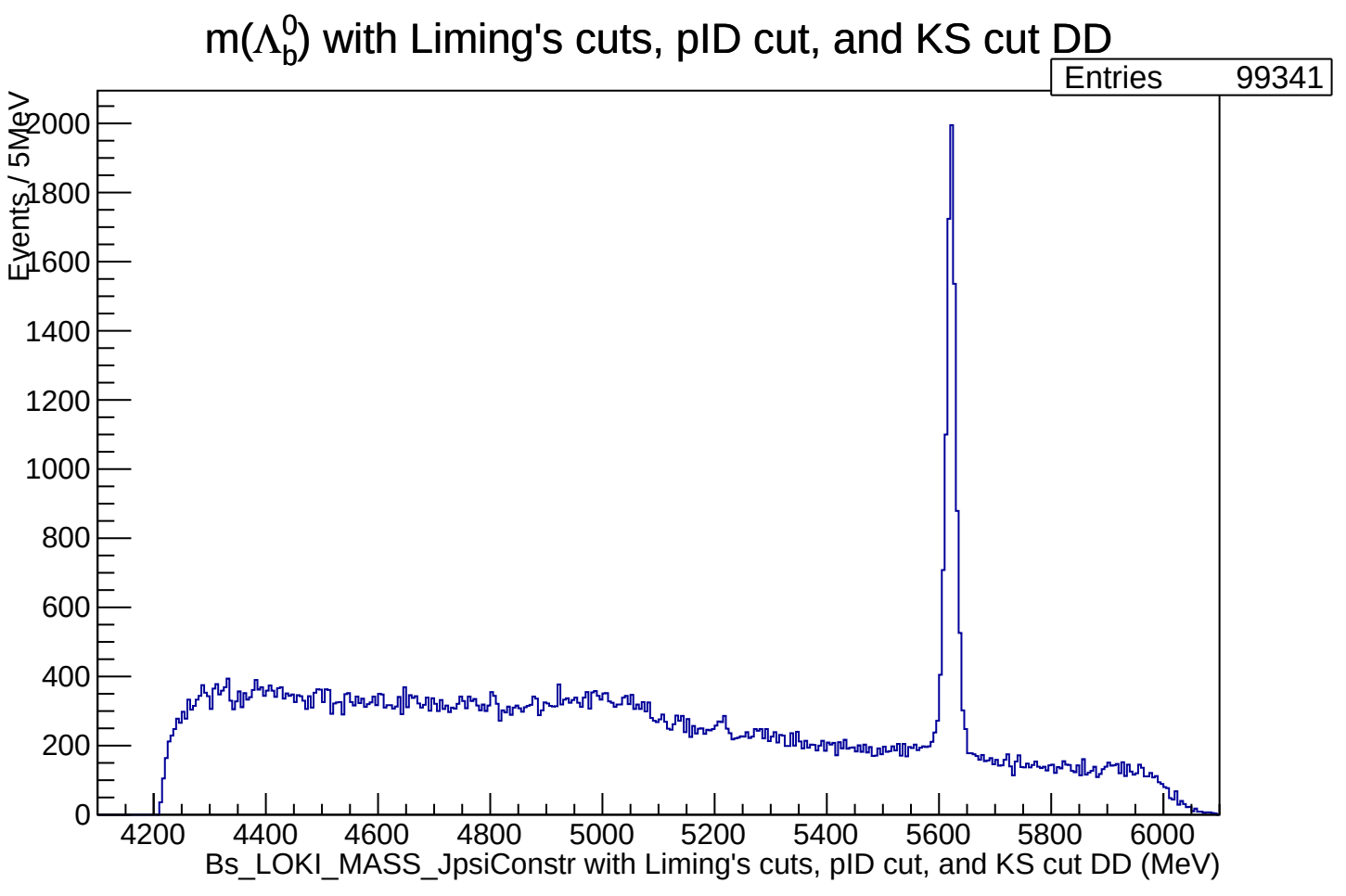

m(Λ_b^0) with Liming's cuts and KS cut
Entries 184398
Events / 5MeV
3500
3000
2500
2000
1500
1000
500
0
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000
Bs_LOKI_MASS_JpsiConstr with Liming's cuts and KS cut (MeV)

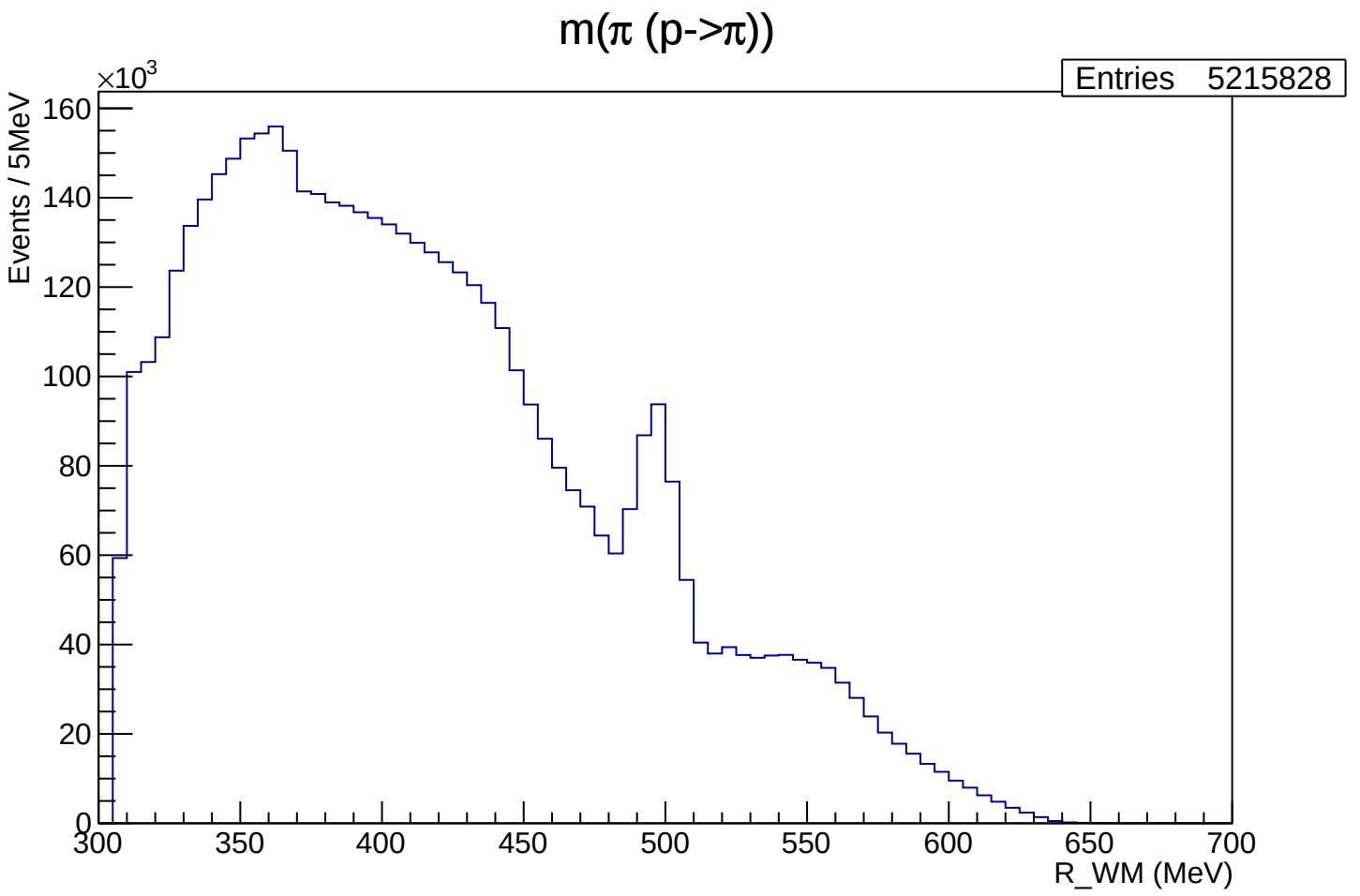

m(Λ_b^0) with Liming's cuts and KS cut LL
Entries 31277
Events / 5MeV
0
200
400
600
800
1000
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000
Bs_LOKI_MASS_JpsiConstr with Liming's cuts and KS cut LL (MeV)


m(Λ_b^0) with Liming's cuts and KS cut DD
Entries 153121
Events / 5MeV
2500
2000
1500
1000
500
0
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000
Bs_LOKI_MASS_JpsiConstr with Liming's cuts and KS cut DD (MeV)


m(Λ_b^0) with Liming's cuts, pID cut, and KS cut
Entries 121783
Events / 5MeV
3000
2500
2000
1500
1000
500
0
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000
Bs_LOKI_MASS_JpsiConstr with Liming's cuts, pID cut, and KS cut (MeV)


m(Λ_b^0) with Liming's cuts, pID cut, and KS cut LL
Entries 22442
Events / 5MeV
0
100
200
300
400
500
600
700
800
900
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000
Bs_LOKI_MASS_JpsiConstr with Liming's cuts, pID cut, and KS cut LL (MeV)


m(Λ_b^0) with Liming's cuts, pID cut, and KS cut DD
Entries 99341
Events / 5MeV
0
200
400
600
800
1000
1200
1400
1600
1800
2000
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000
Bs_LOKI_MASS_JpsiConstr with Liming's cuts, pID cut, and KS cut DD (MeV)


m(π (p->π))
Entries 5215828
×10^3
Events / 5MeV
160
140
120
100
80
60
40
20
0
300
350
400
450
500
550
600
650
700
R_WM (MeV)