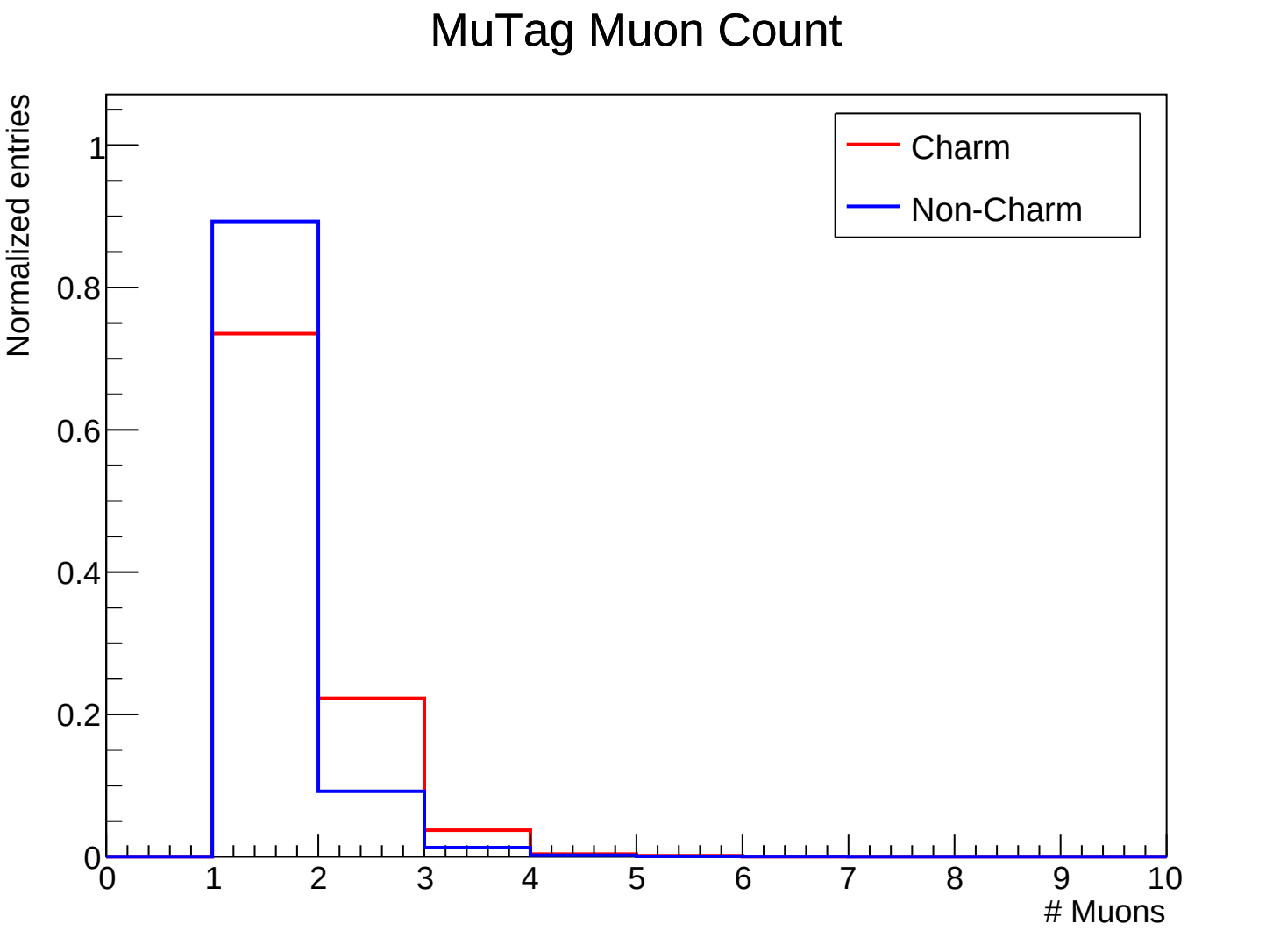
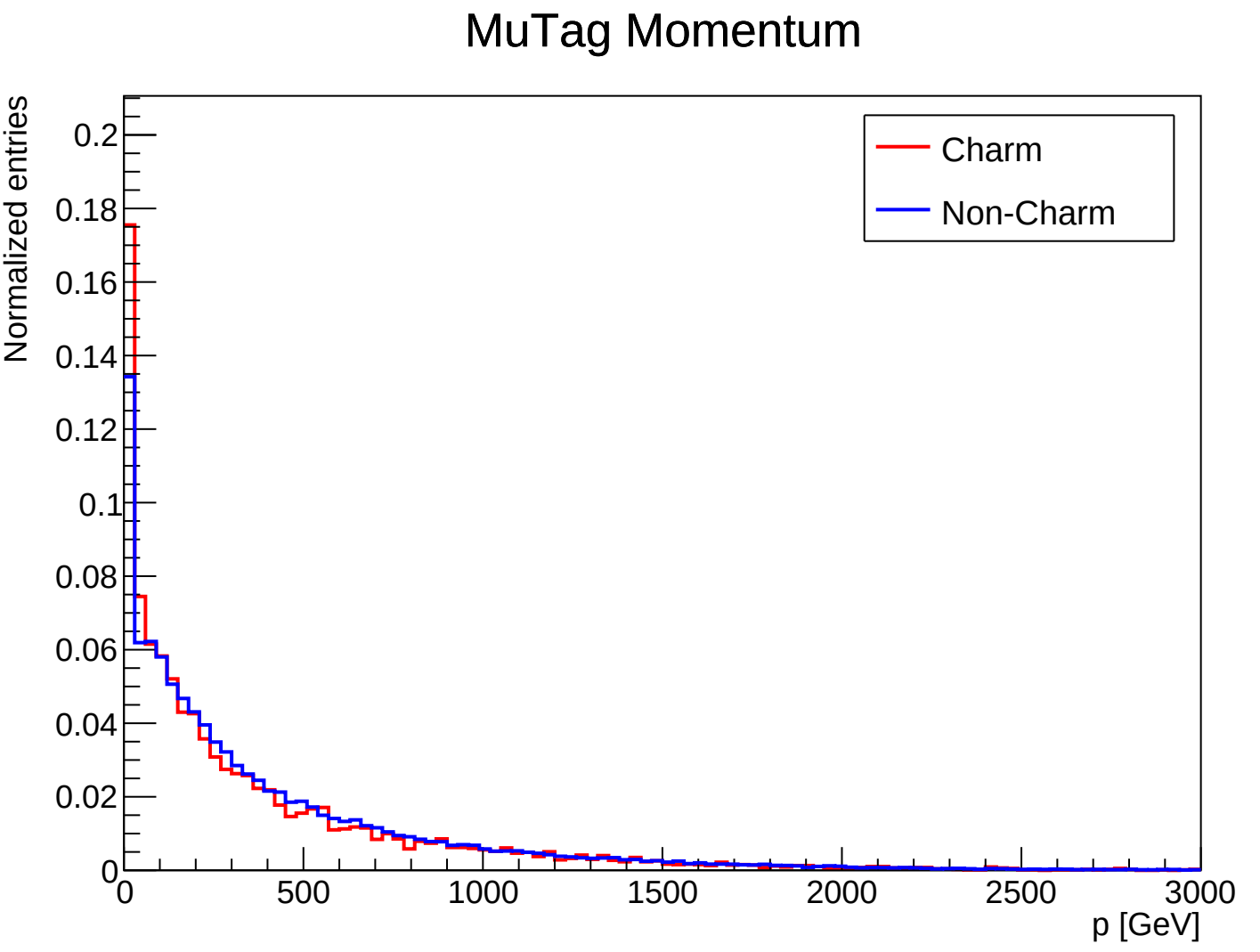
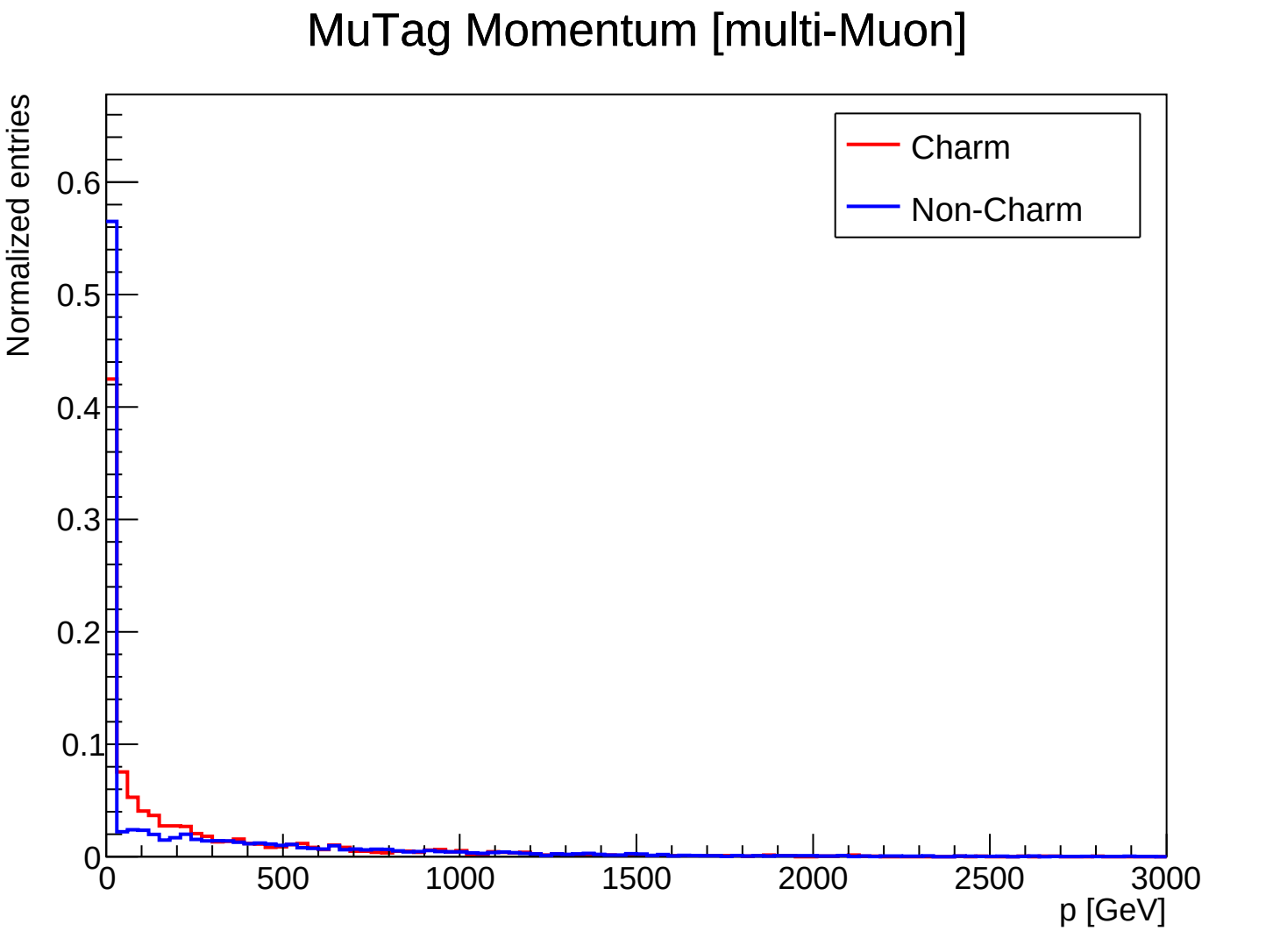
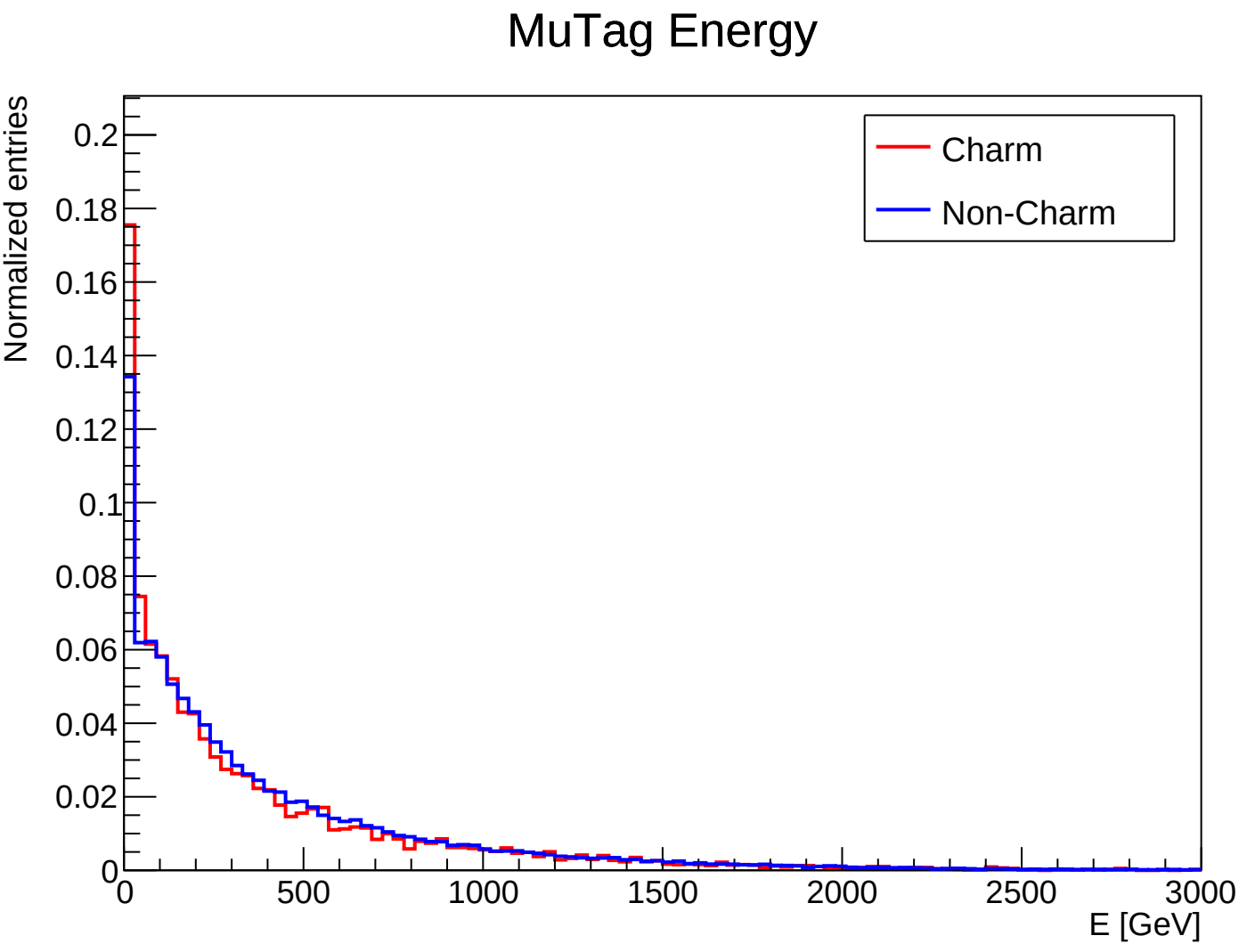
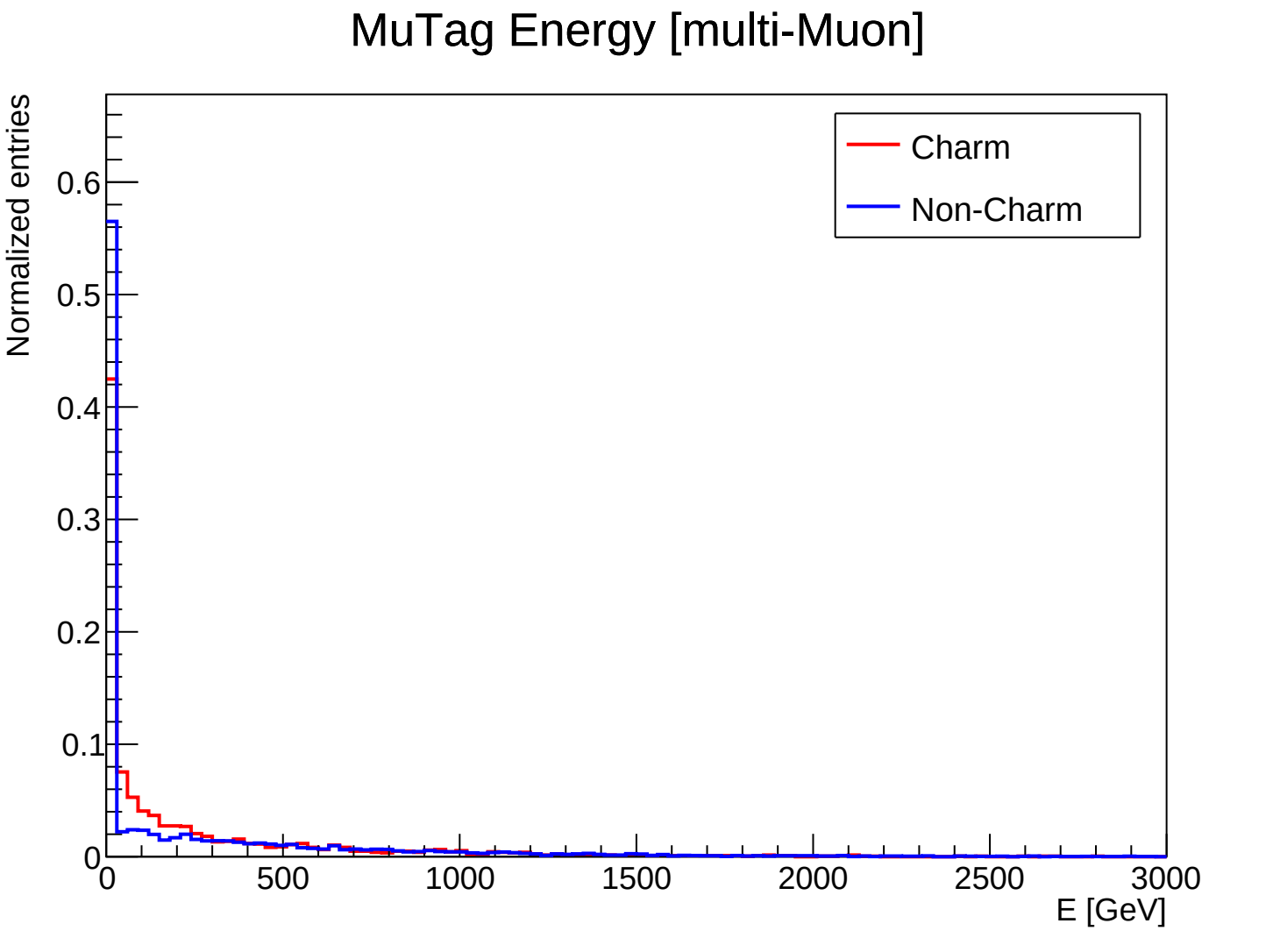
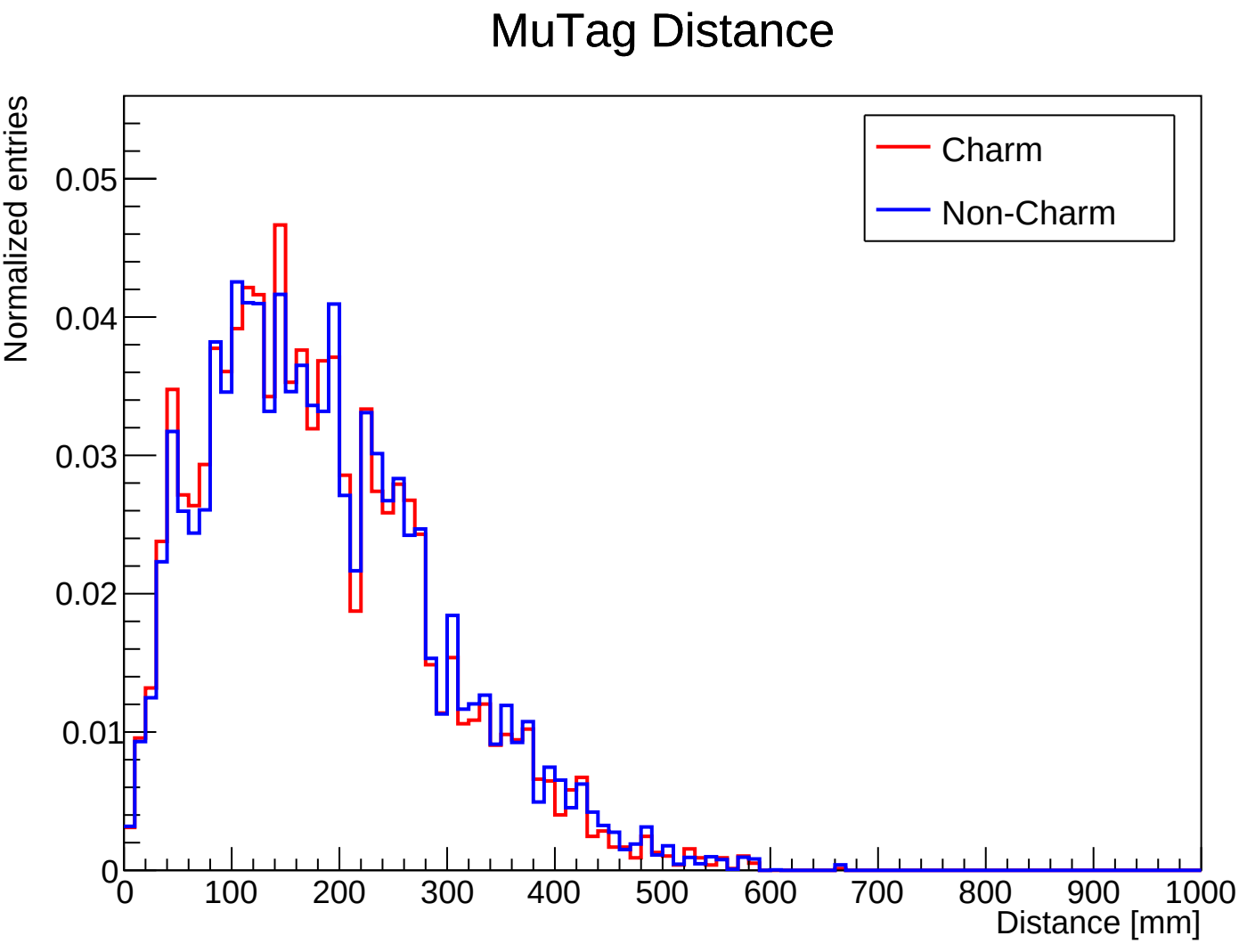

MuTag Muon Count
Normalized entries
1
0.8
0.6
0.4
0.2
0
0
1
2
3
4
5
6
7
8
9
10
Muons
Charm
Non-Charm

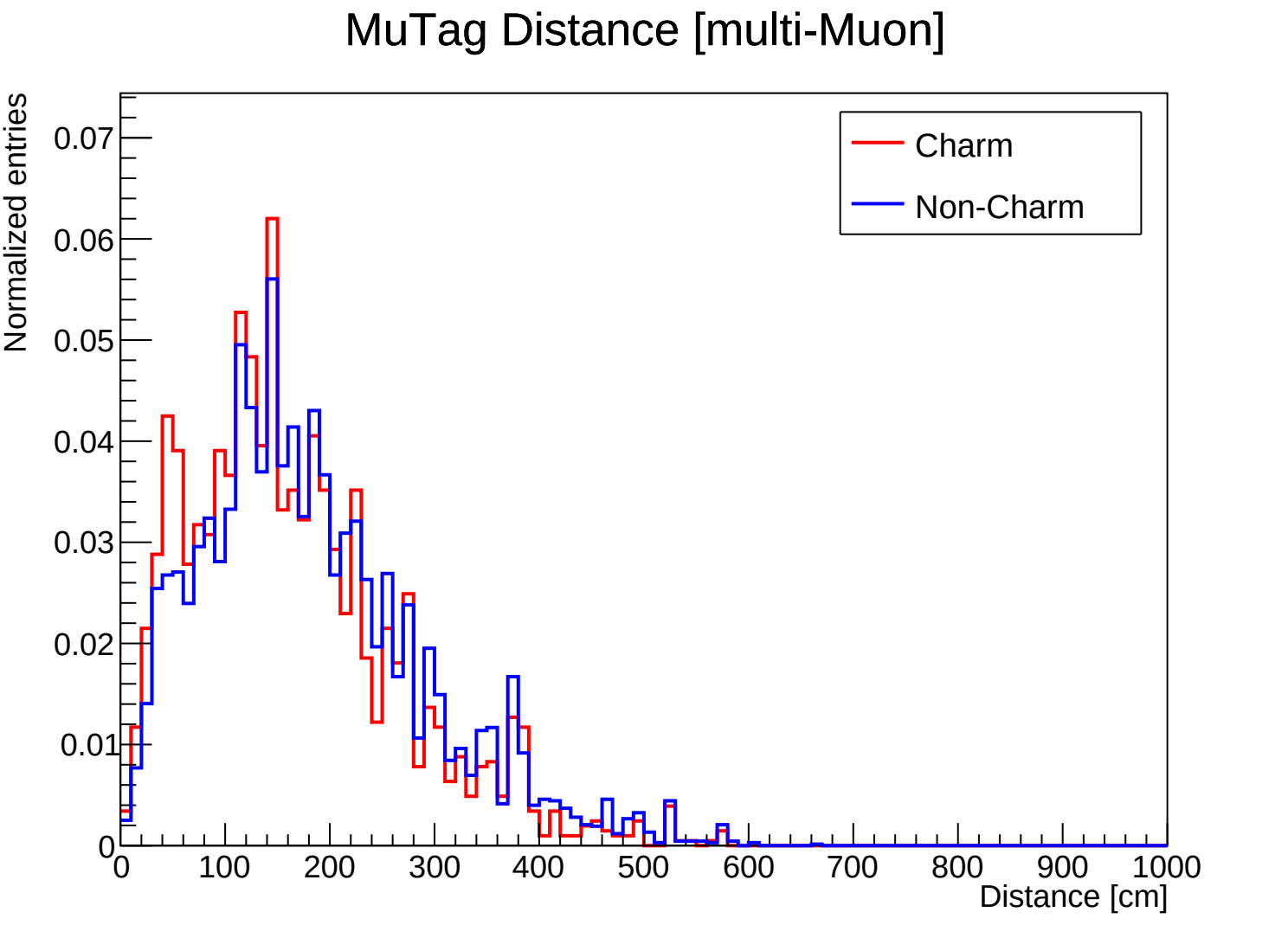

MuTag Momentum
Normalized entries
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0
500
1000
1500
2000
2500
3000
p [GeV]
Charm
Non-Charm

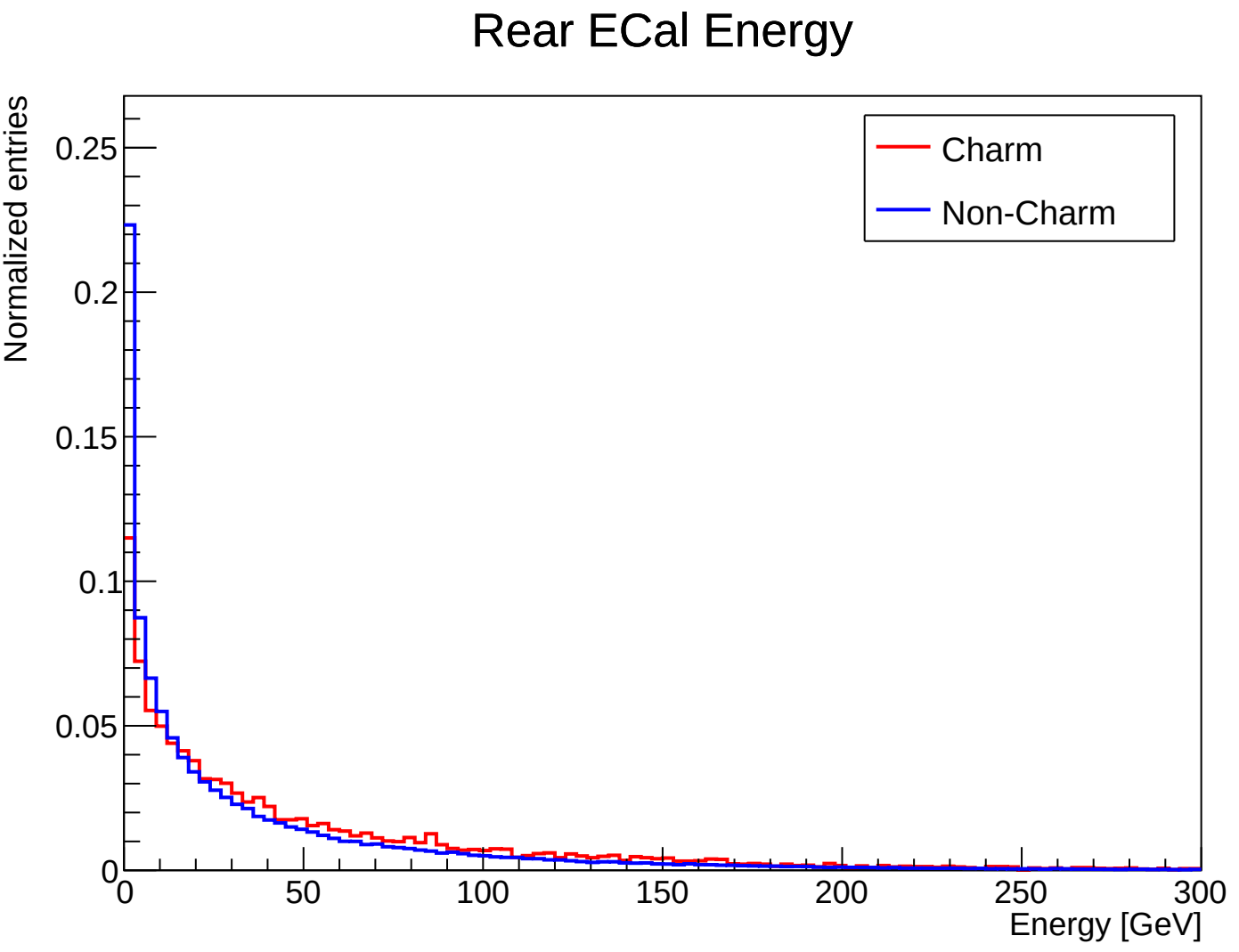

MuTag Momentum [multi-Muon]
Normalized entries
0.6
0.5
0.4
0.3
0.2
0.1
0
0
500
1000
1500
2000
2500
3000
p [GeV]
Charm
Non-Charm

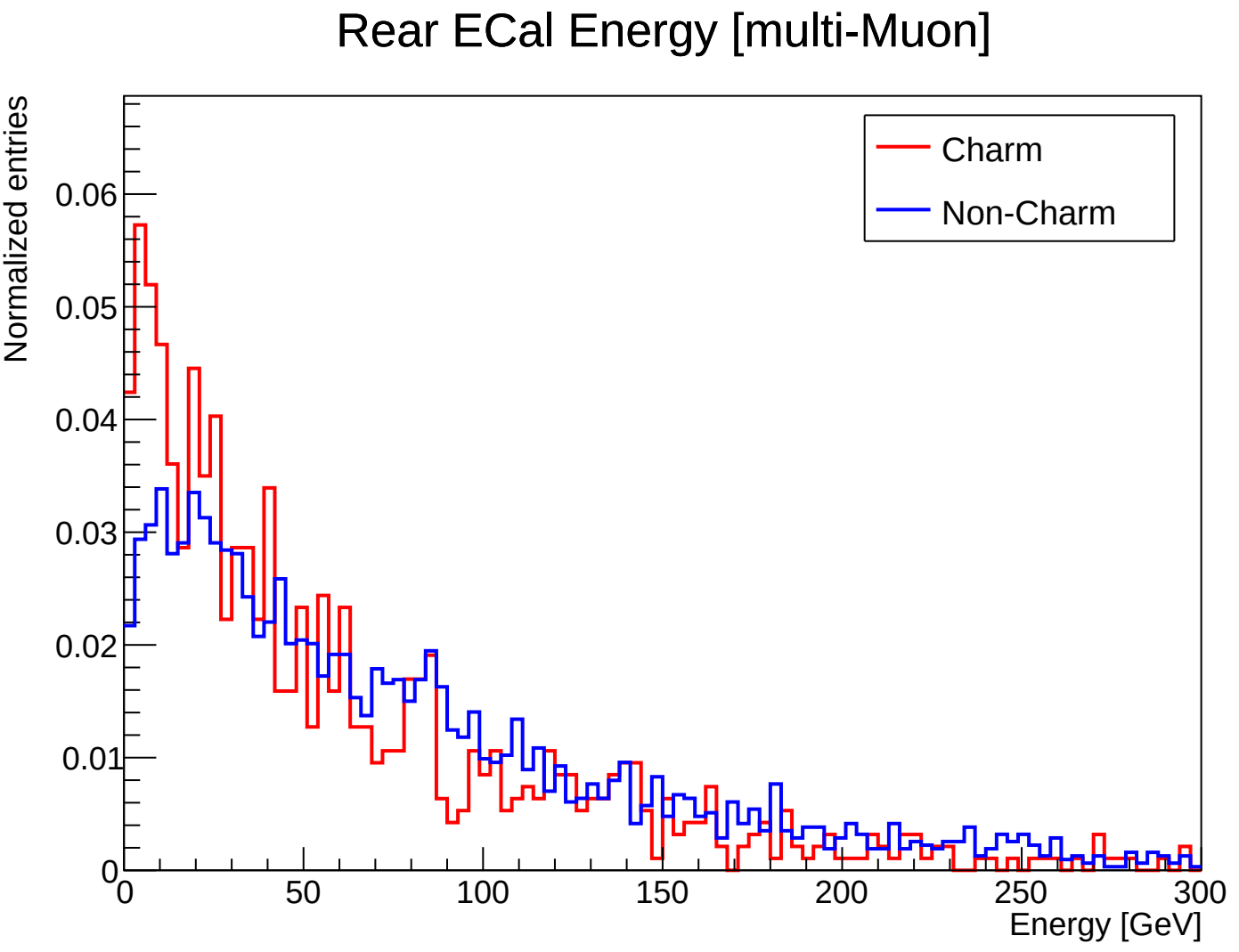

MuTag Energy
Normalized entries
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0
500
1000
1500
2000
2500
3000
E [GeV]
Charm
Non-Charm

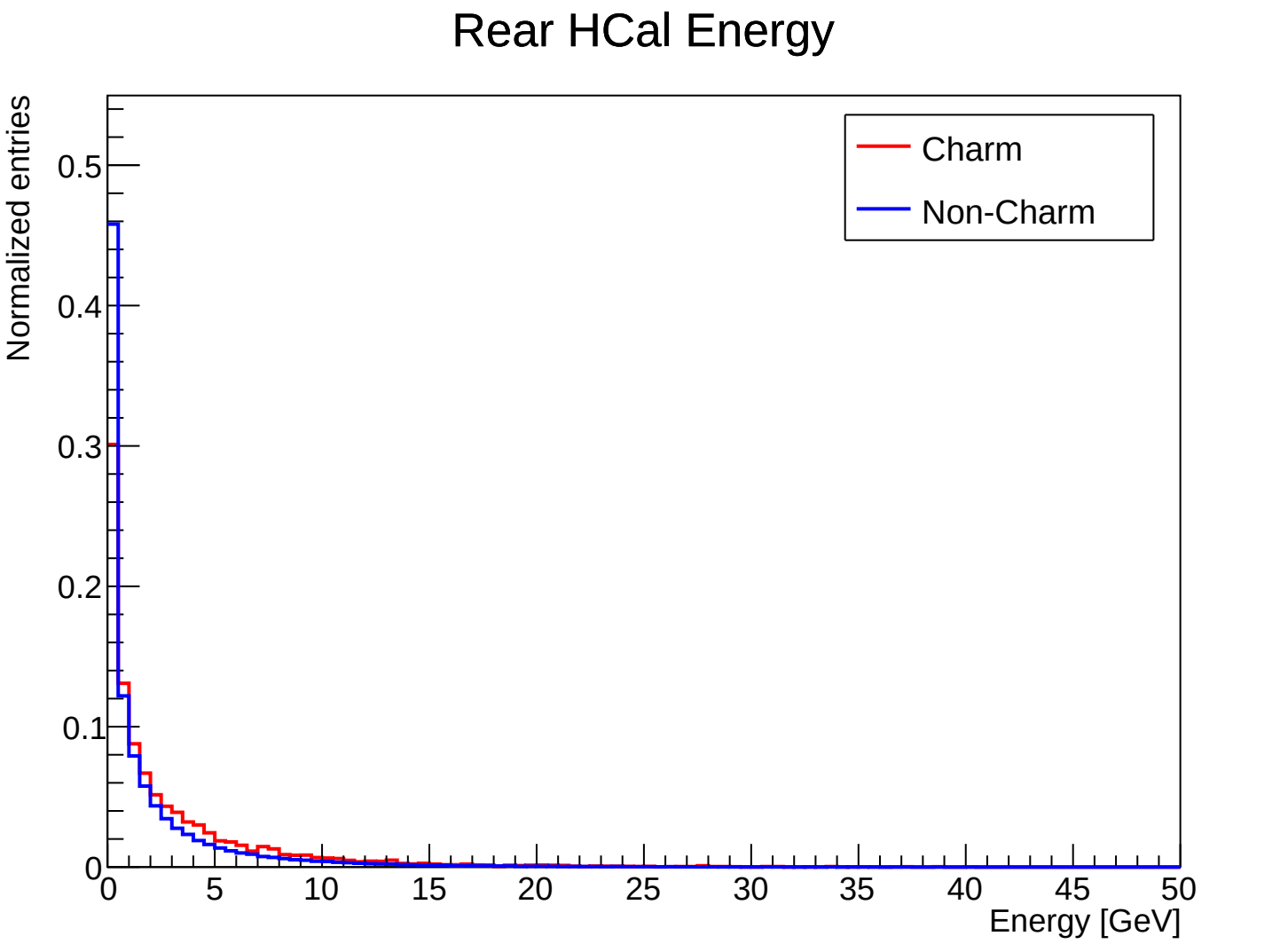

MuTag Energy [multi-Muon]
Normalized entries
0.6
0.5
0.4
0.3
0.2
0.1
0
0
500
1000
1500
2000
2500
3000
E [GeV]
Charm
Non-Charm

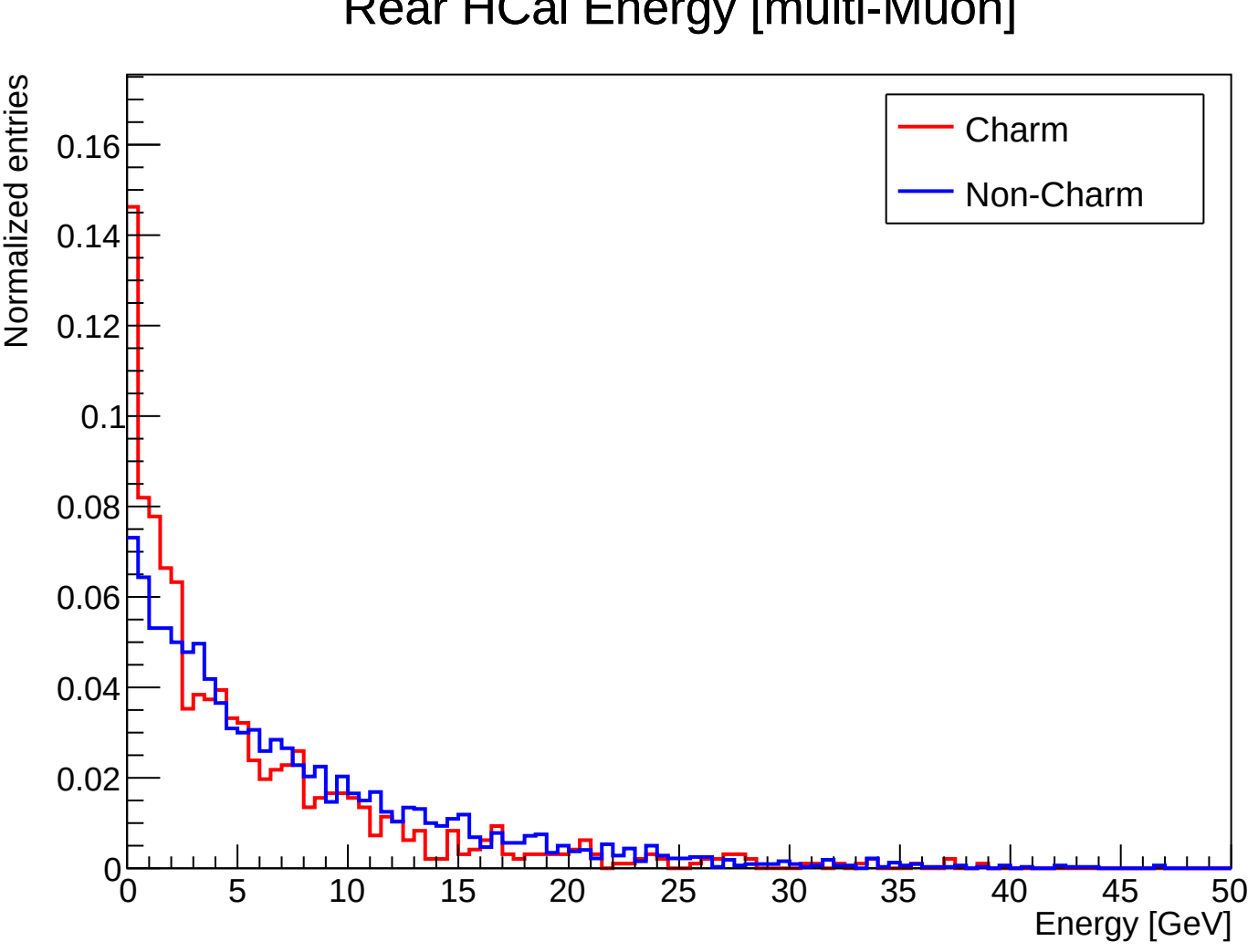

MuTag Distance
Normalized entries
0.05
0.04
0.03
0.02
0.01
0
0
100
200
300
400
500
600
700
800
900
1000
Distance [mm]
Charm
Non-Charm

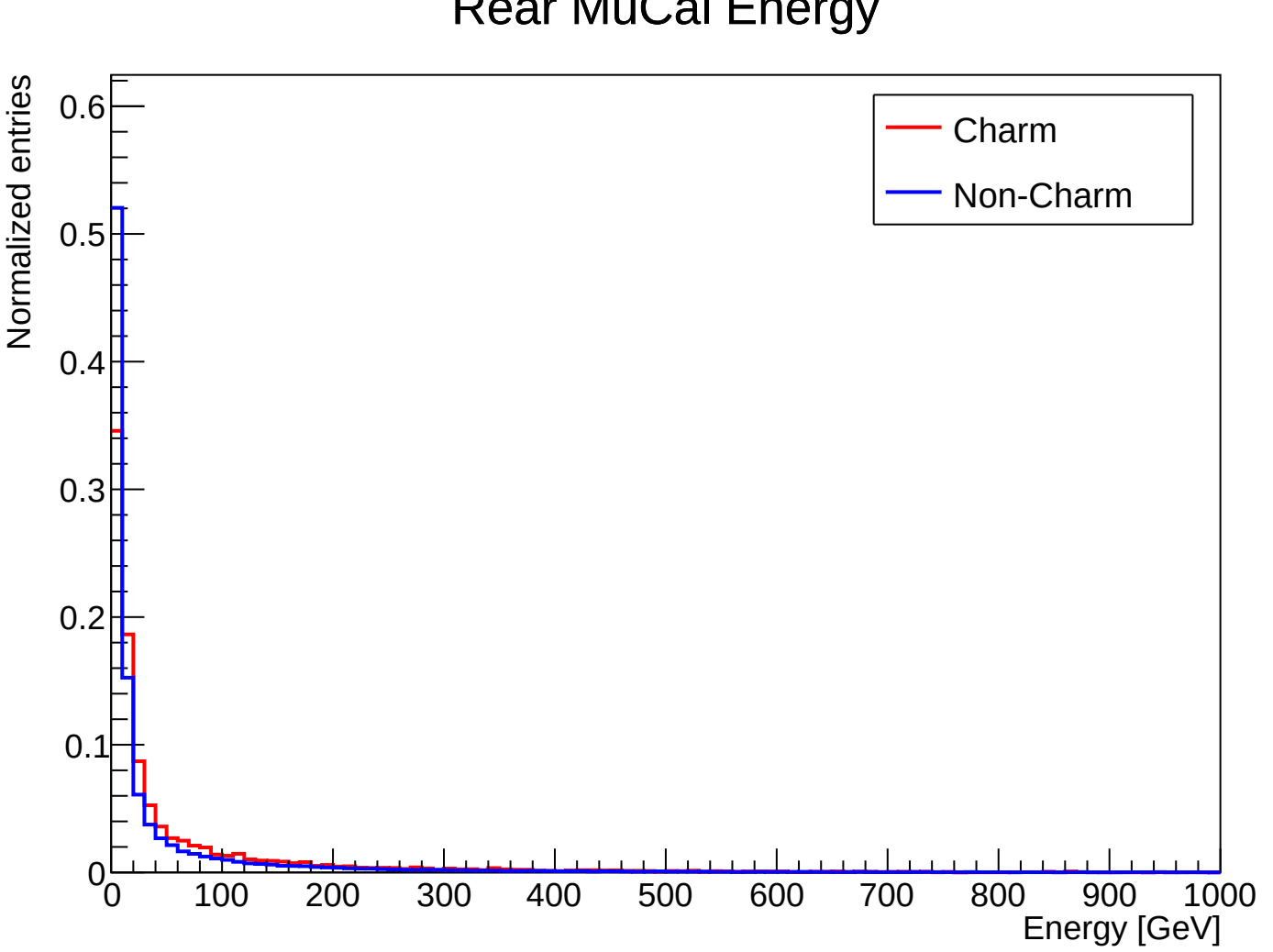

MuTag Distance [multi-Muon]
Normalized entries
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
0
100
200
300
400
500
600
700
800
900
1000
Distance [cm]
Charm
Non-Charm

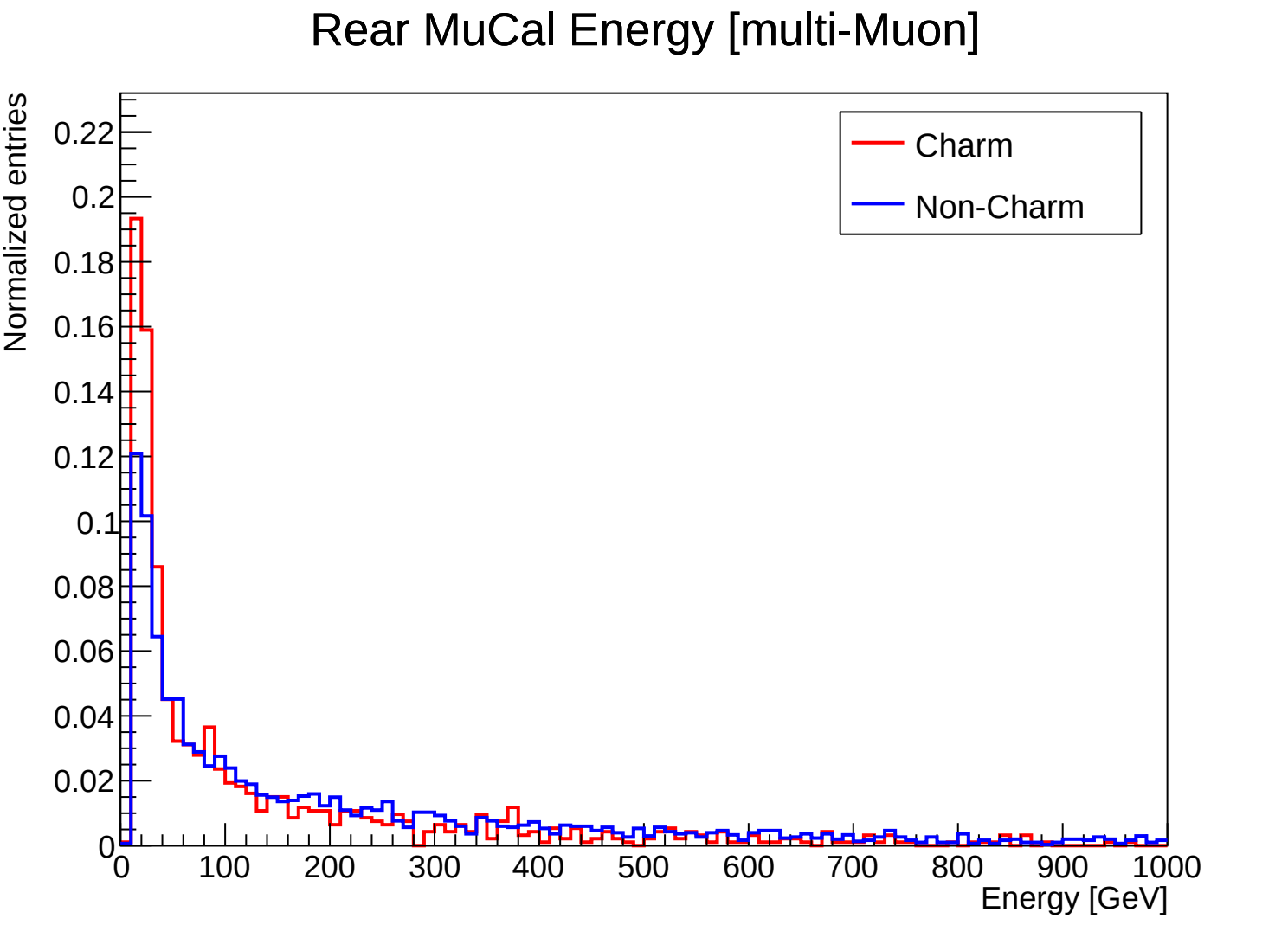

Rear ECal Energy
Normalized entries
0.25
0.2
0.15
0.1
0.05
0
0
50
100
150
200
250
300
Energy [GeV]
Charm
Non-Charm

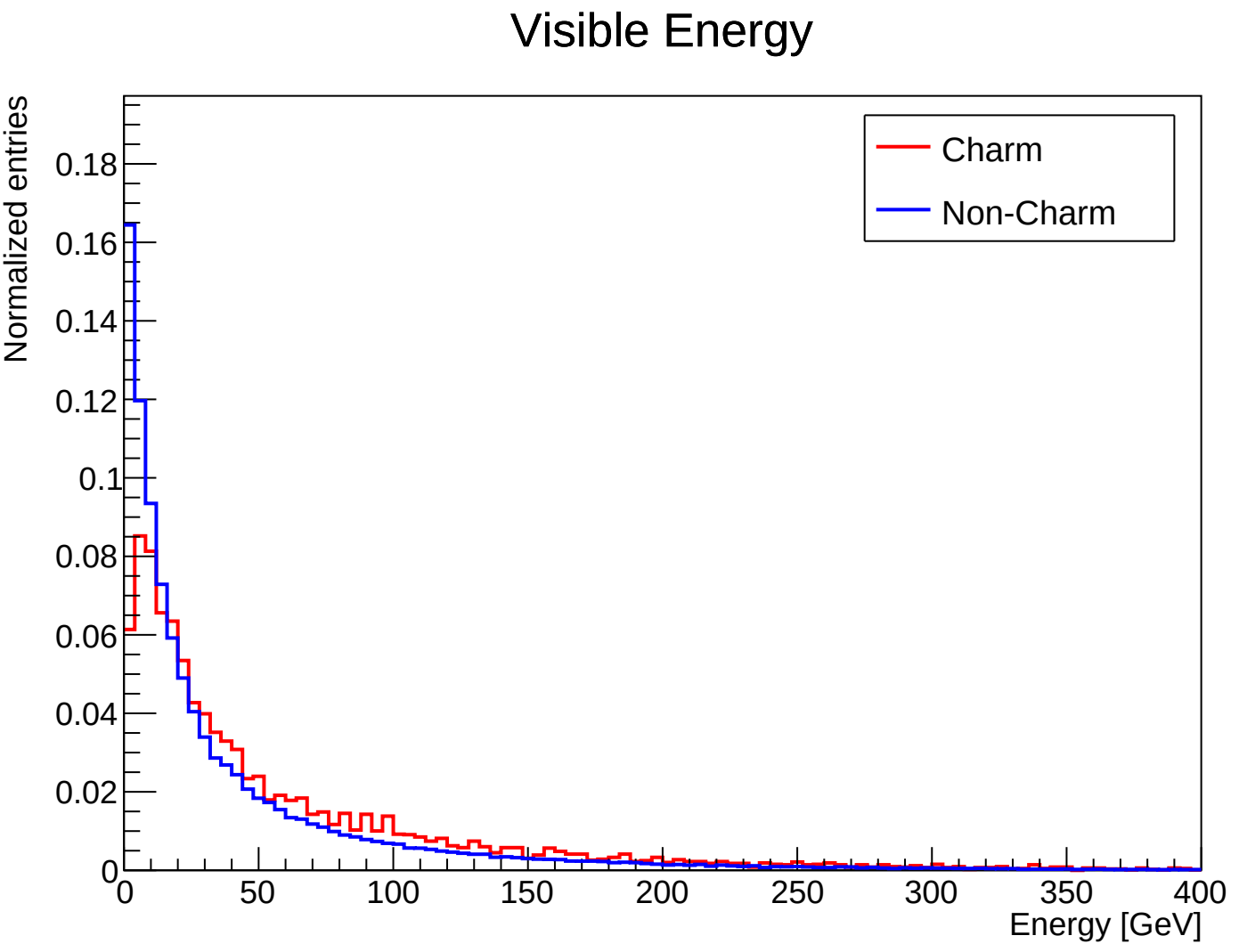

Rear ECal Energy [multi-Muon]
Normalized entries
0.06
0.05
0.04
0.03
0.02
0.01
0
0
50
100
150
200
250
300
Energy [GeV]
Charm
Non-Charm

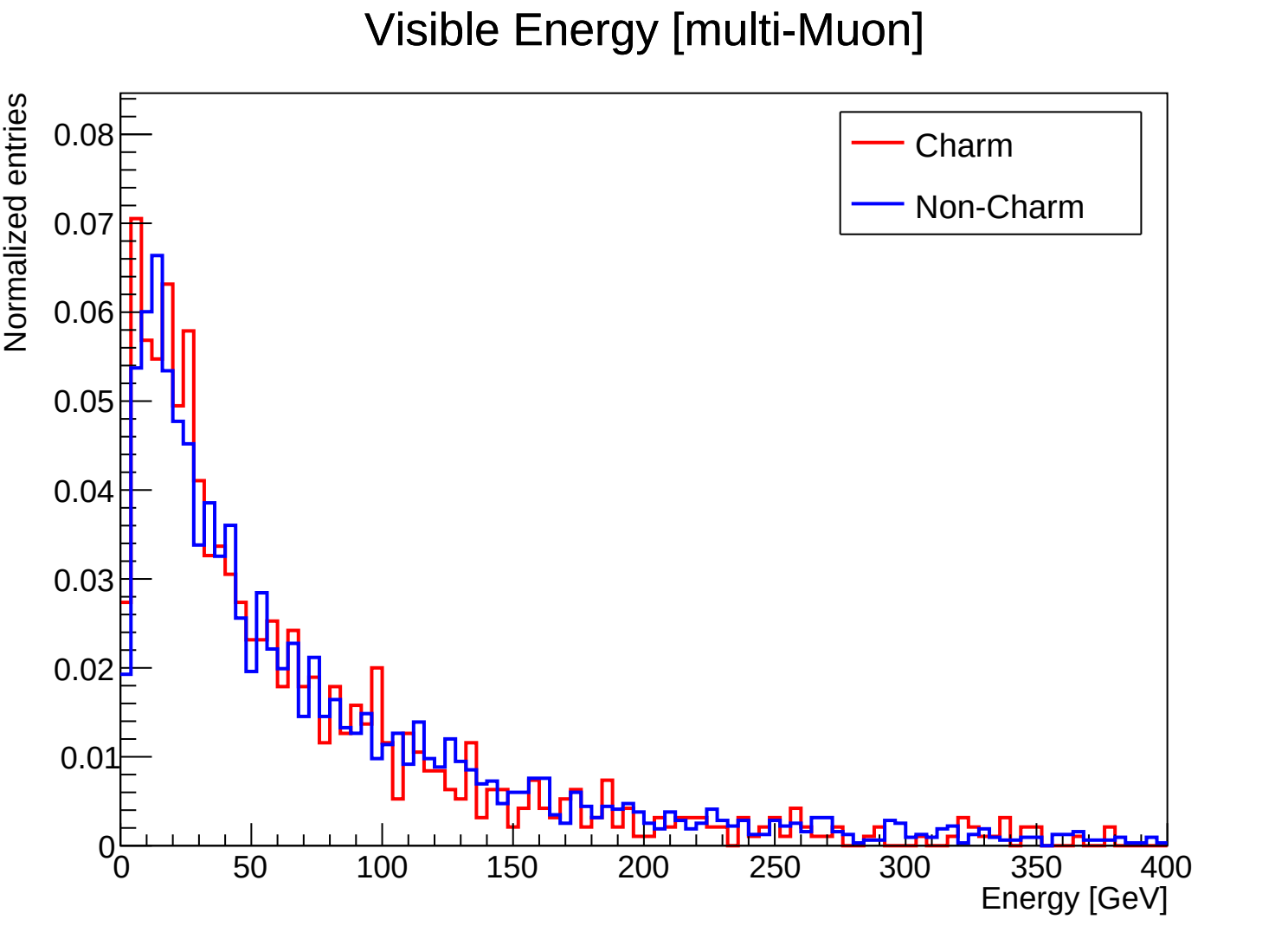

Rear HCal Energy
Normalized entries
0.5
0.4
0.3
0.2
0.1
0
0
5
10
15
20
25
30
35
40
45
50
Energy [GeV]
Charm
Non-Charm

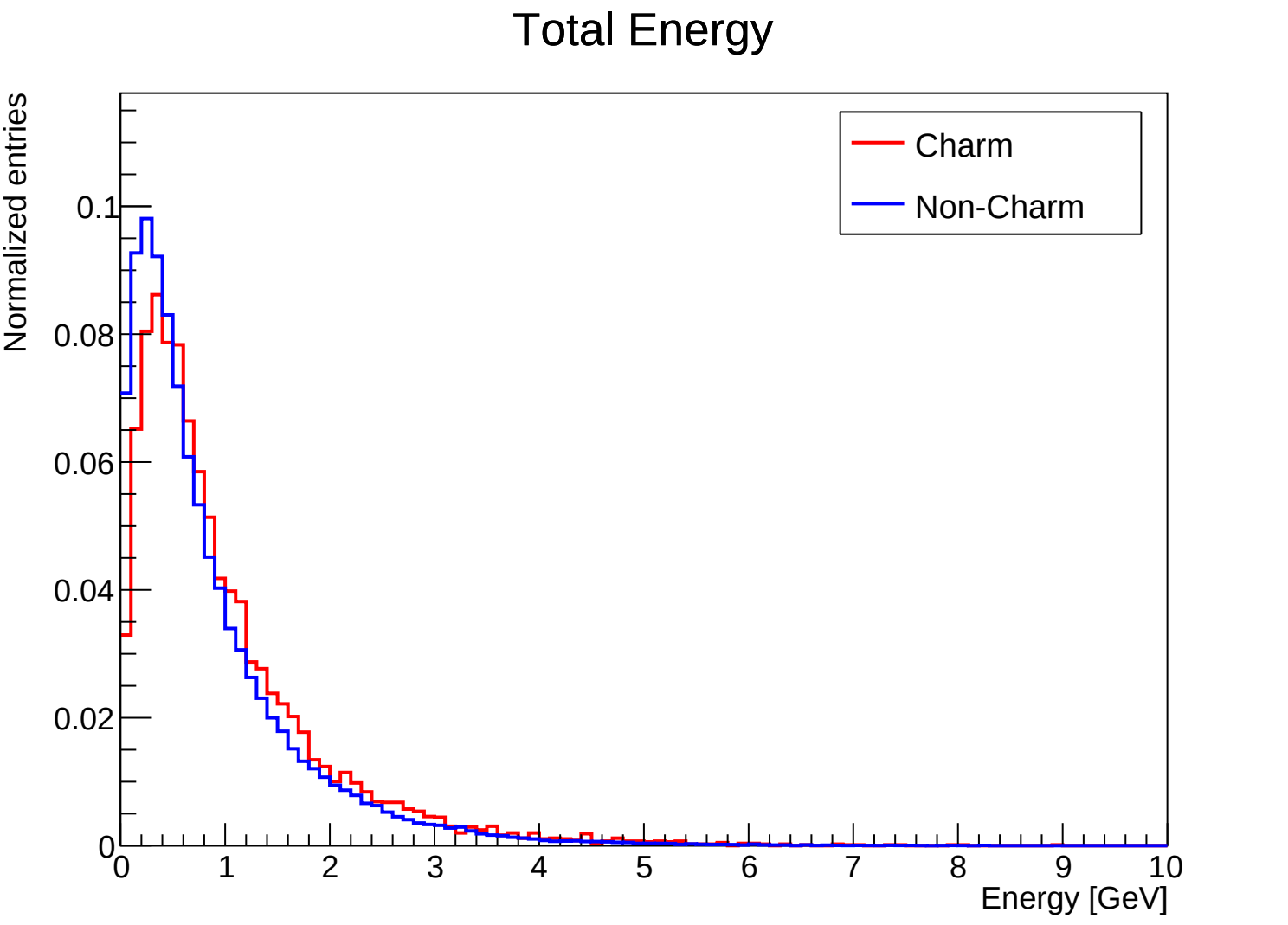

Rear HCal Energy [multi-Muon]
Normalized entries
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0
5
10
15
20
25
30
35
40
45
50
Energy [GeV]
Charm
Non-Charm

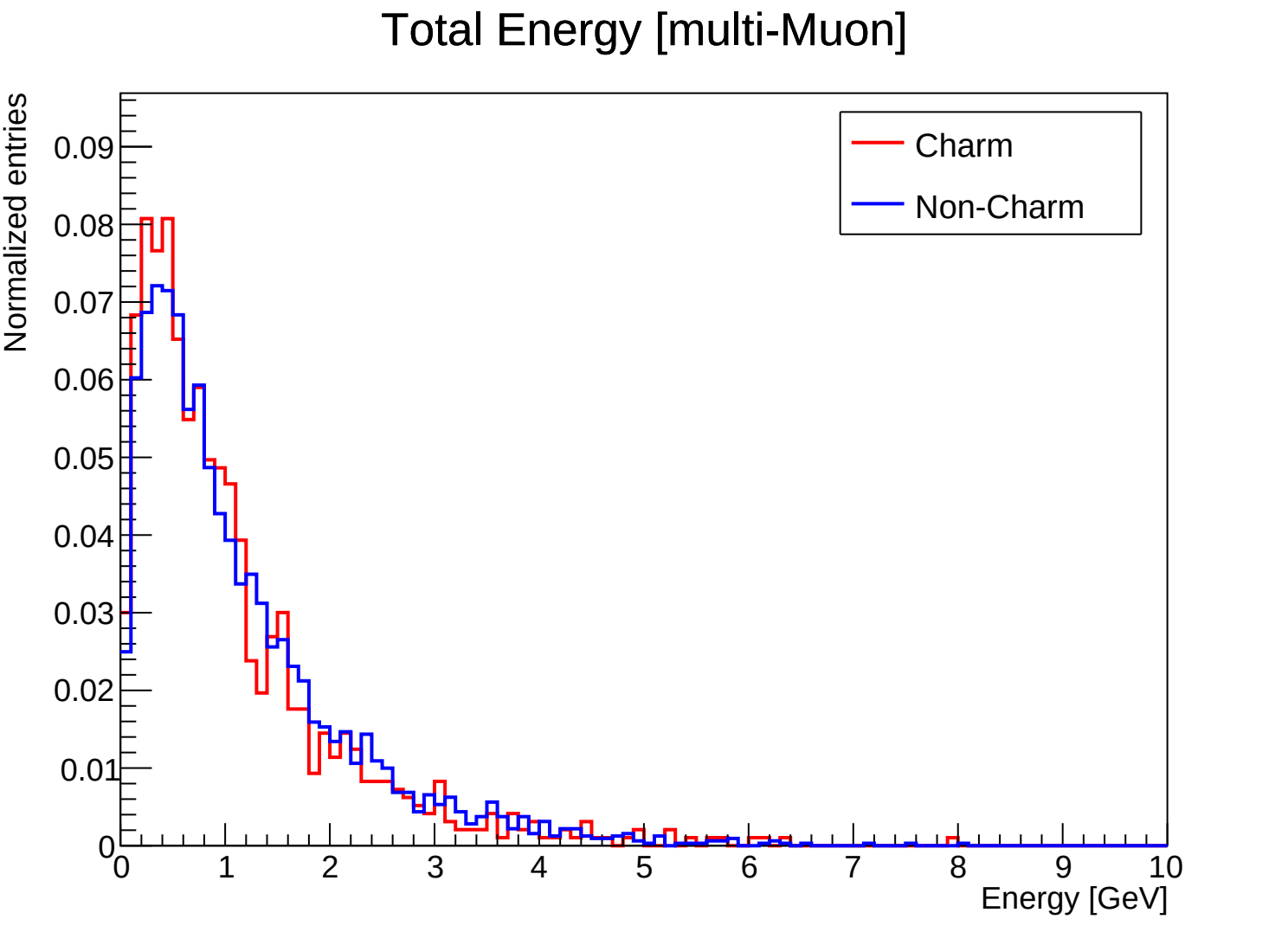

Rear MuCal Energy
Normalized entries
0.6
0.5
0.4
0.3
0.2
0.1
0
0
100
200
300
400
500
600
700
800
900
1000
Energy [GeV]
Charm
Non-Charm


Rear MuCal Energy [multi-Muon]
Normalized entries
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0
100
200
300
400
500
600
700
800
900
1000
Energy [GeV]
Charm
Non-Charm


Visible Energy
Normalized entries
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0
50
100
150
200
250
300
350
400
Energy [GeV]
Charm
Non-Charm


Visible Energy [multi-Muon]
Normalized entries
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
0
50
100
150
200
250
300
350
400
Energy [GeV]
Charm
Non-Charm


Total Energy
Normalized entries
0.1
0.08
0.06
0.04
0.02
0
0
1
2
3
4
5
6
7
8
9
10
Energy [GeV]
Charm
Non-Charm


Total Energy [multi-Muon]
Normalized entries
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
0
1
2
3
4
5
6
7
8
9
10
Energy [GeV]
Charm
Non-Charm