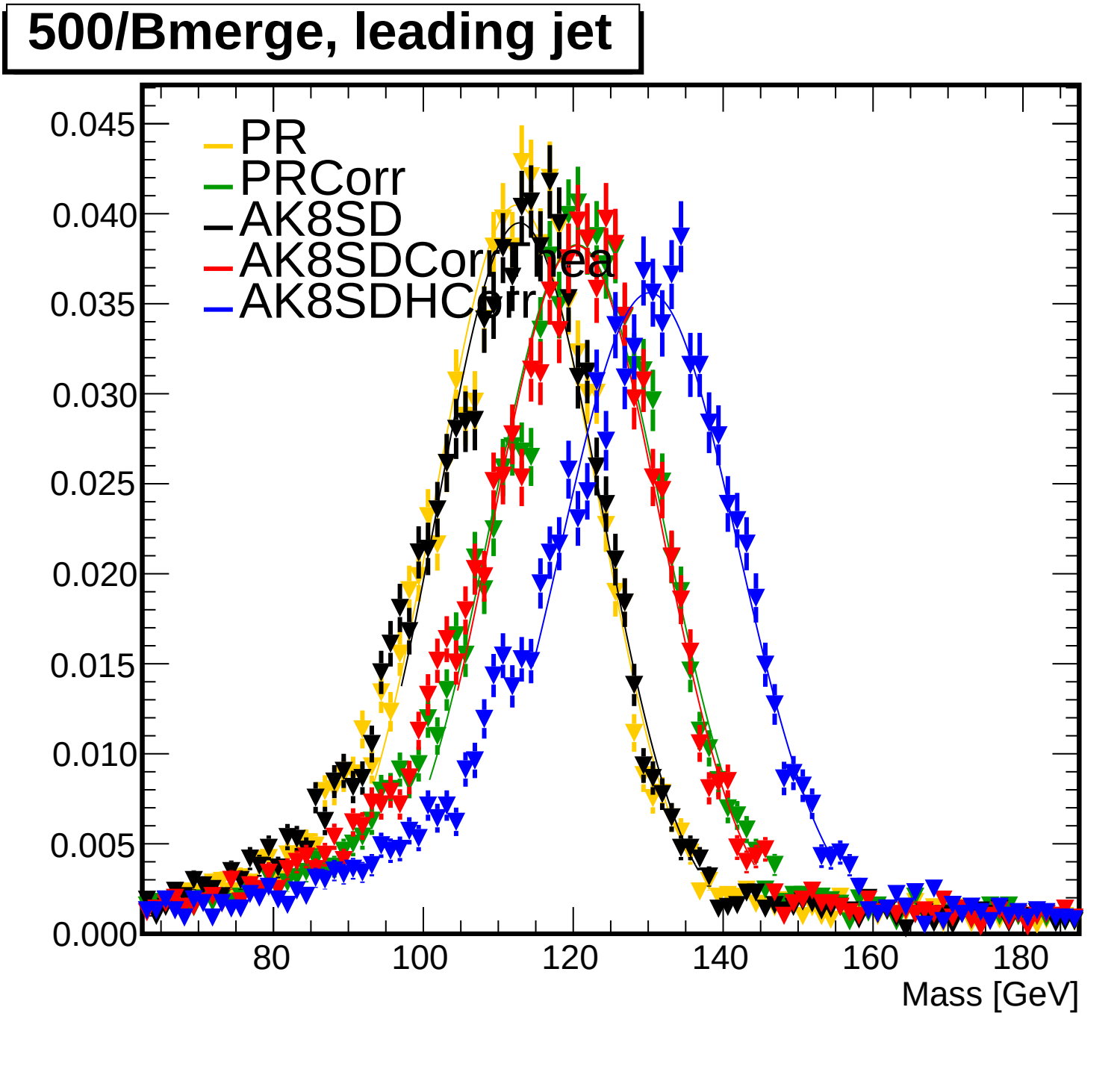
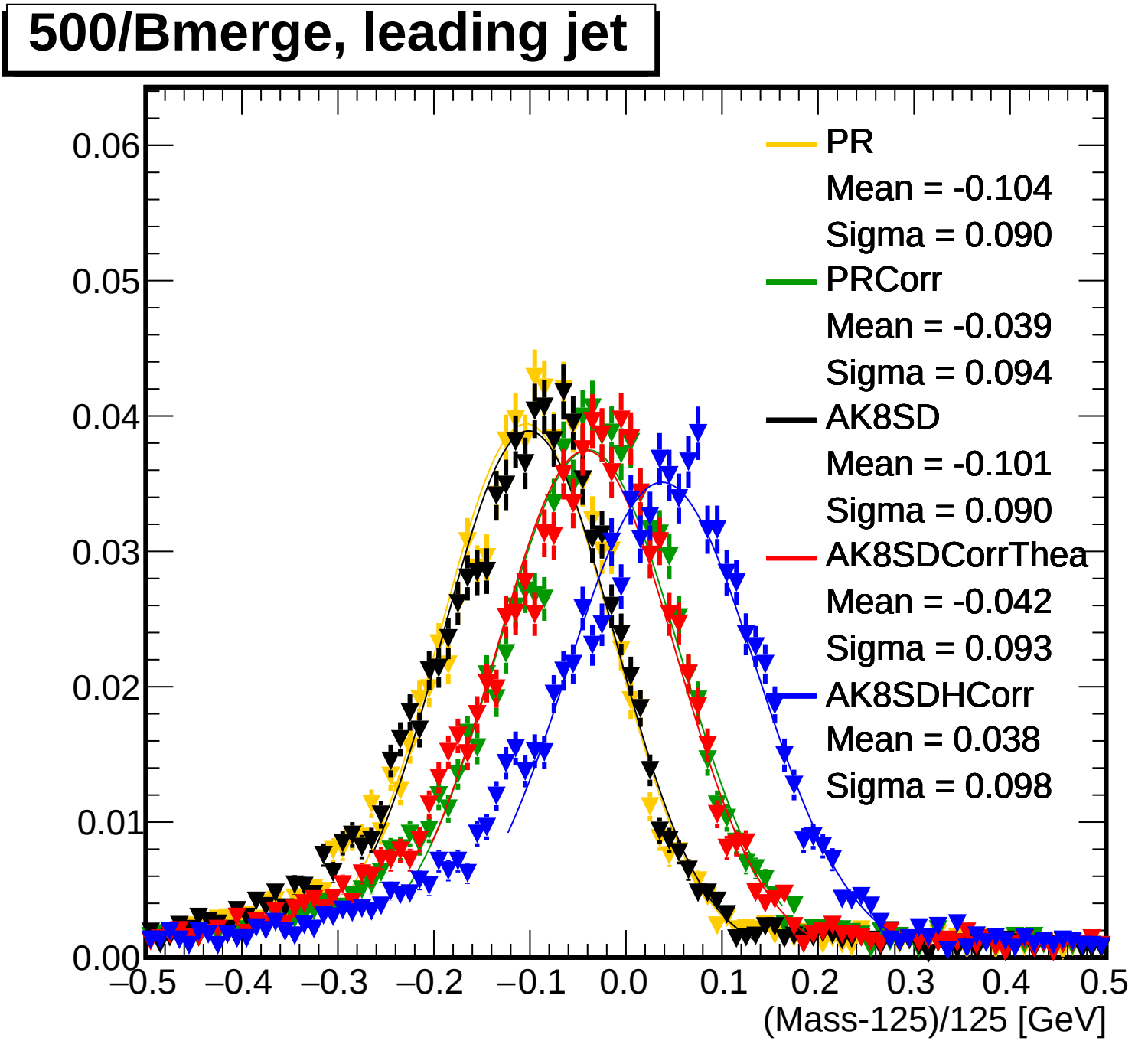
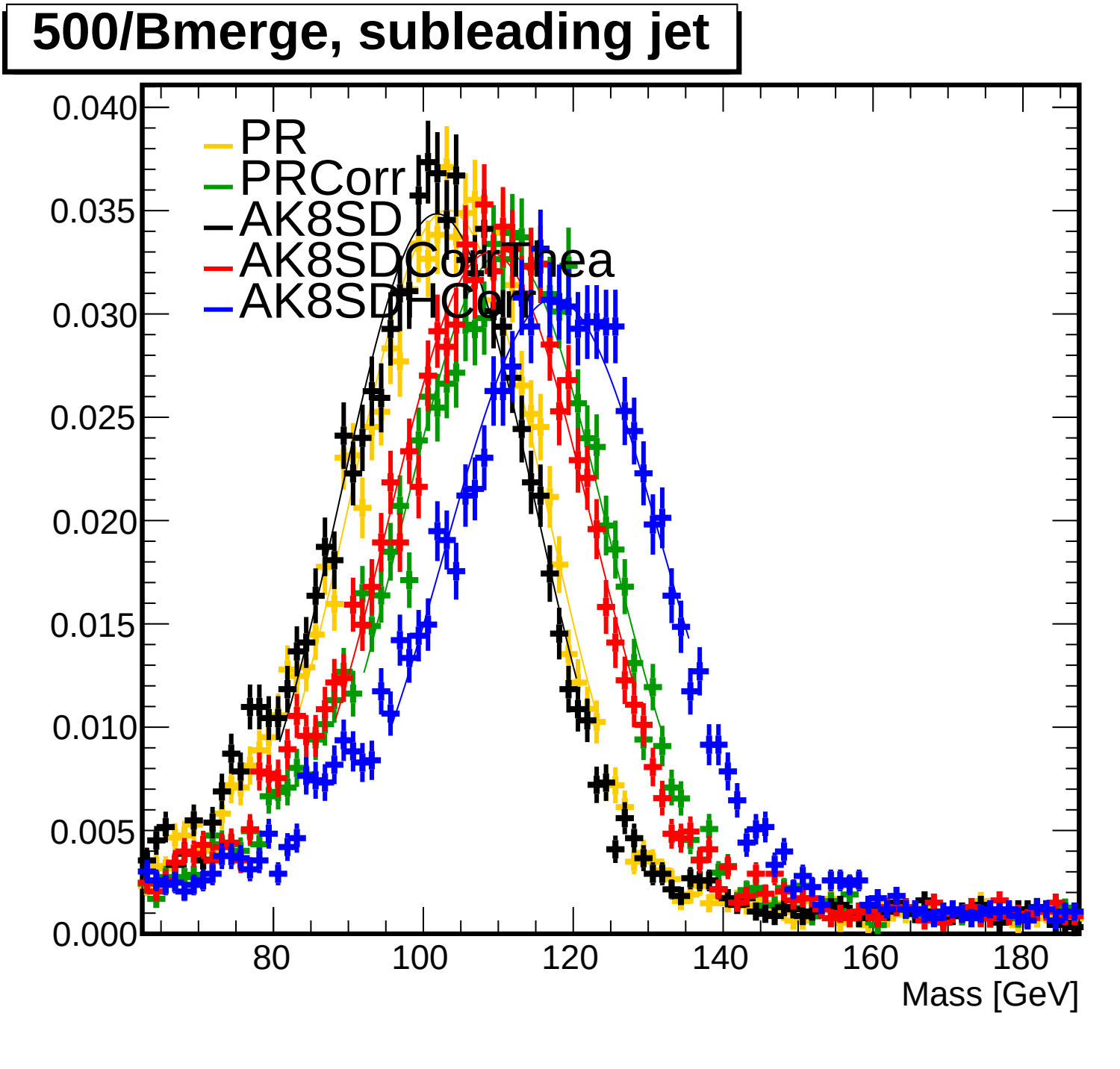
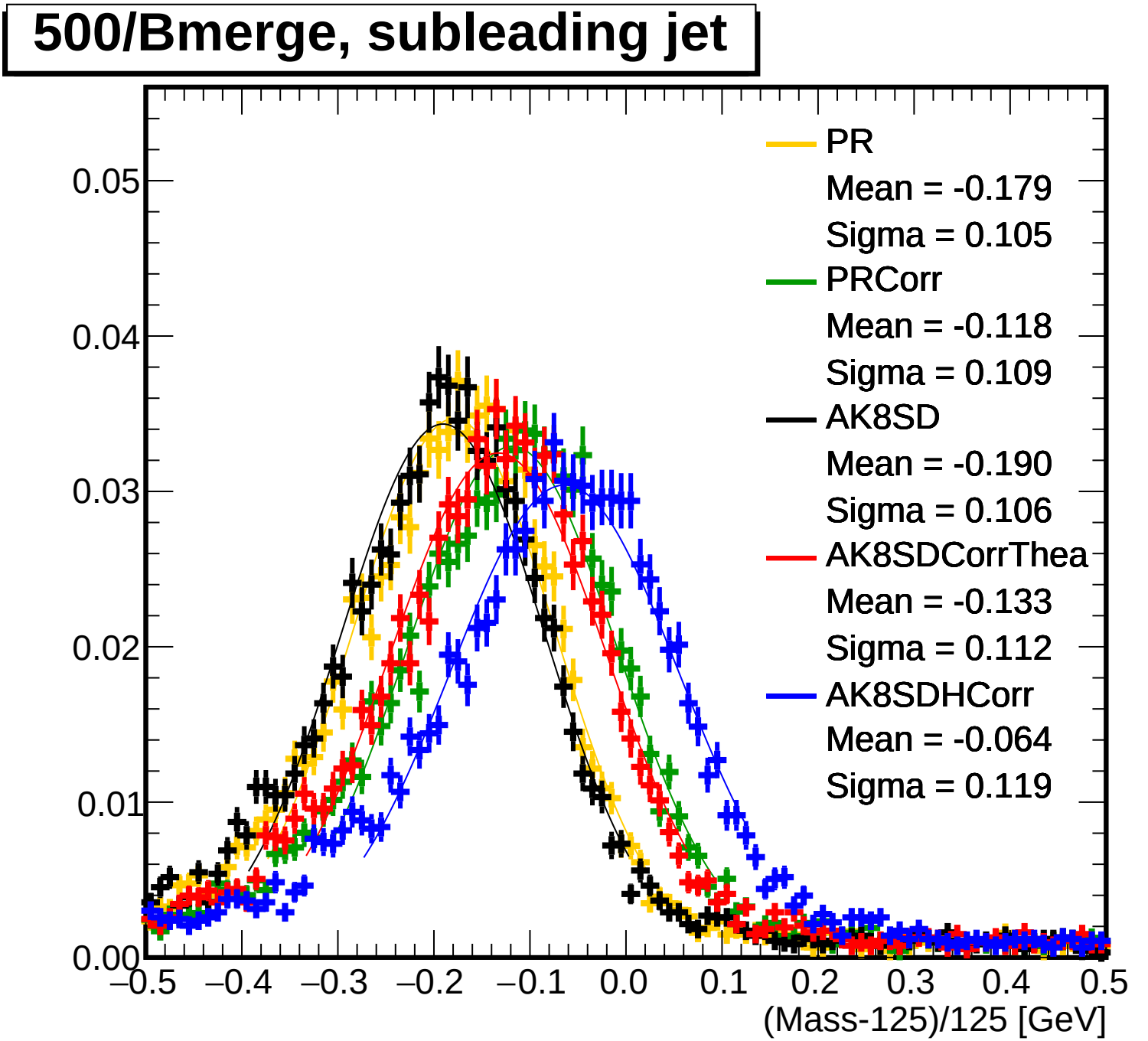
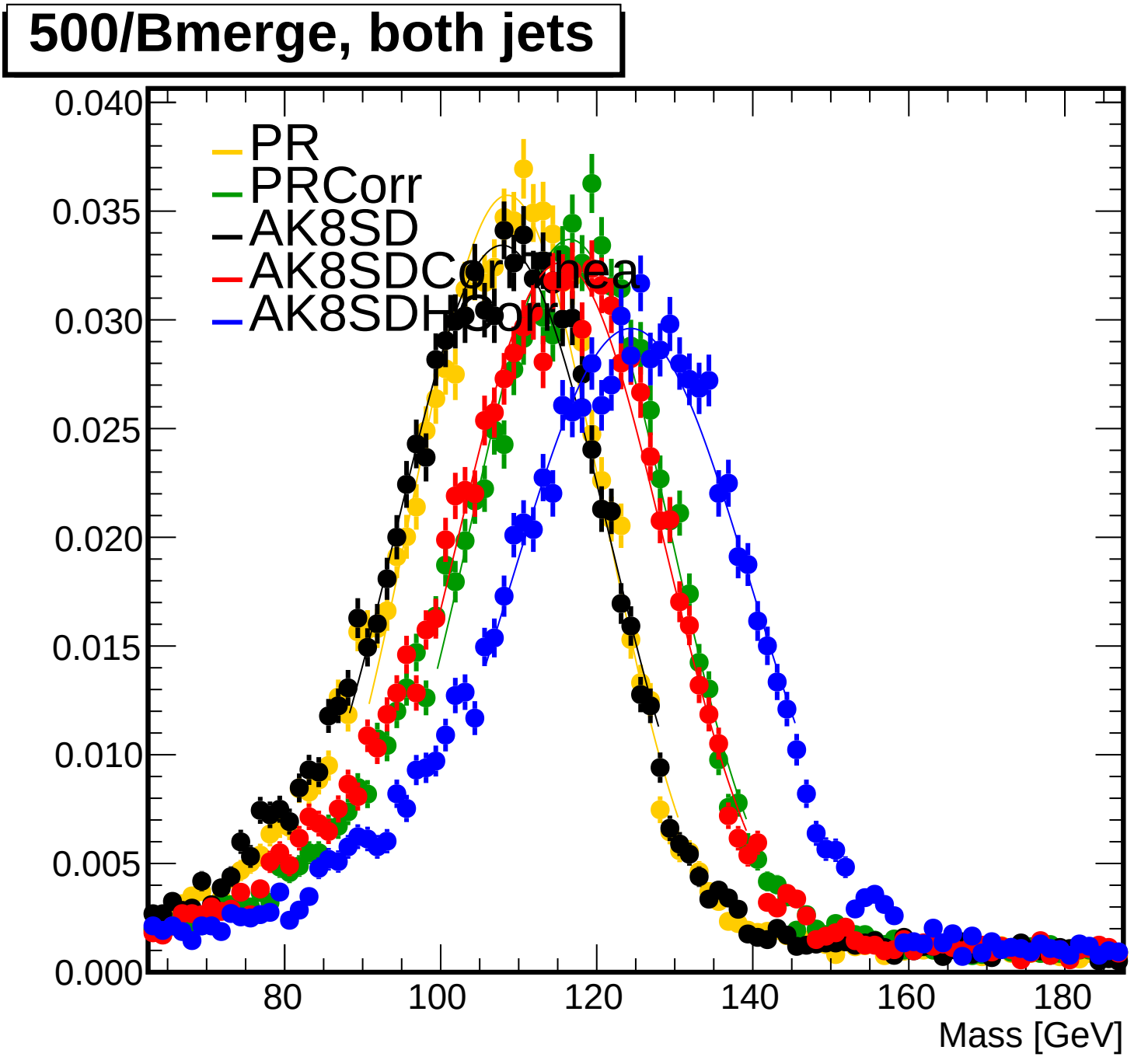
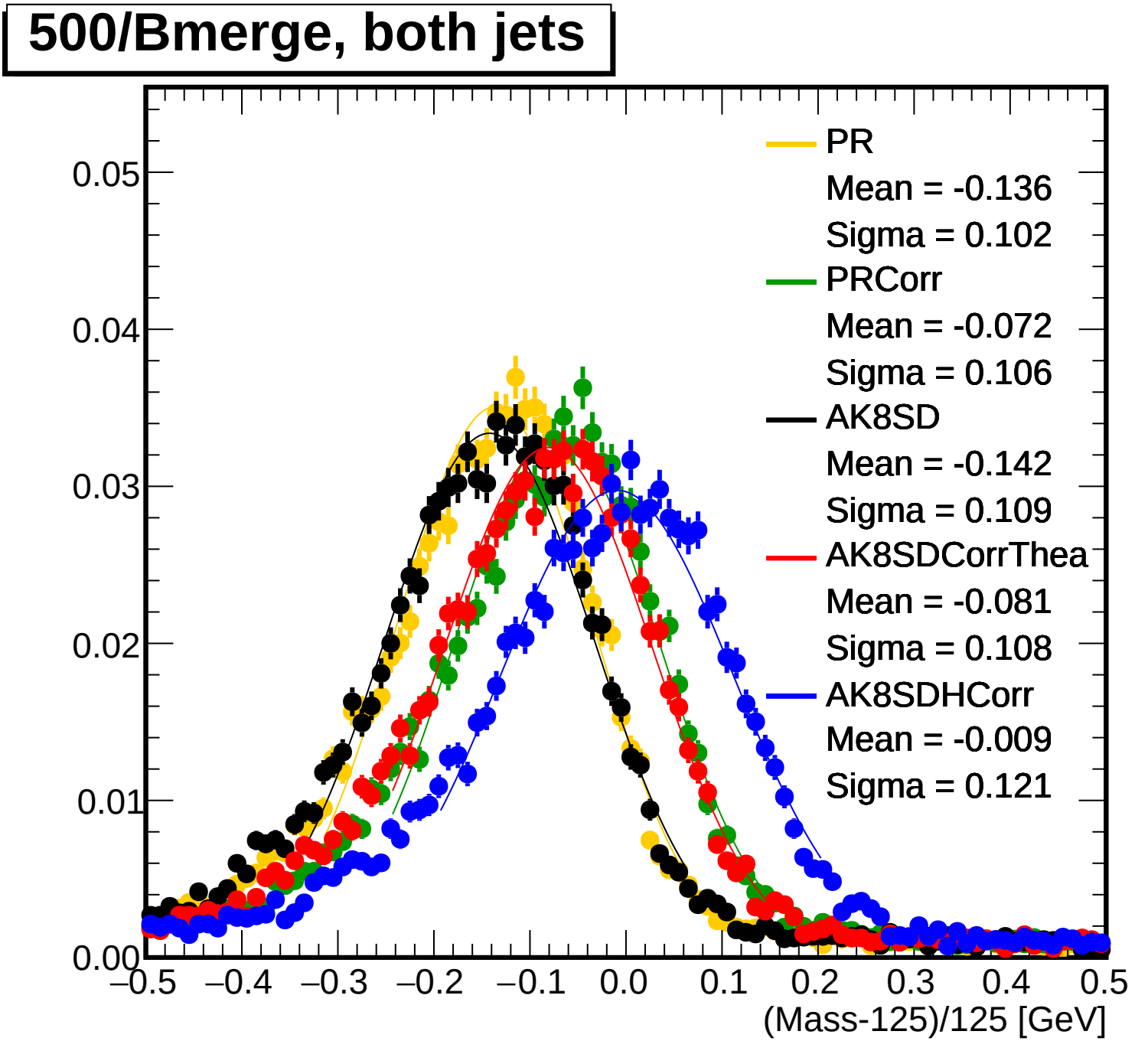

500/Bmerge, leading jet
PR
PRCorr
AK8SD
AK8SDCorr
AK8SDHCorr
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
80
100
120
140
160
180
Mass [GeV]

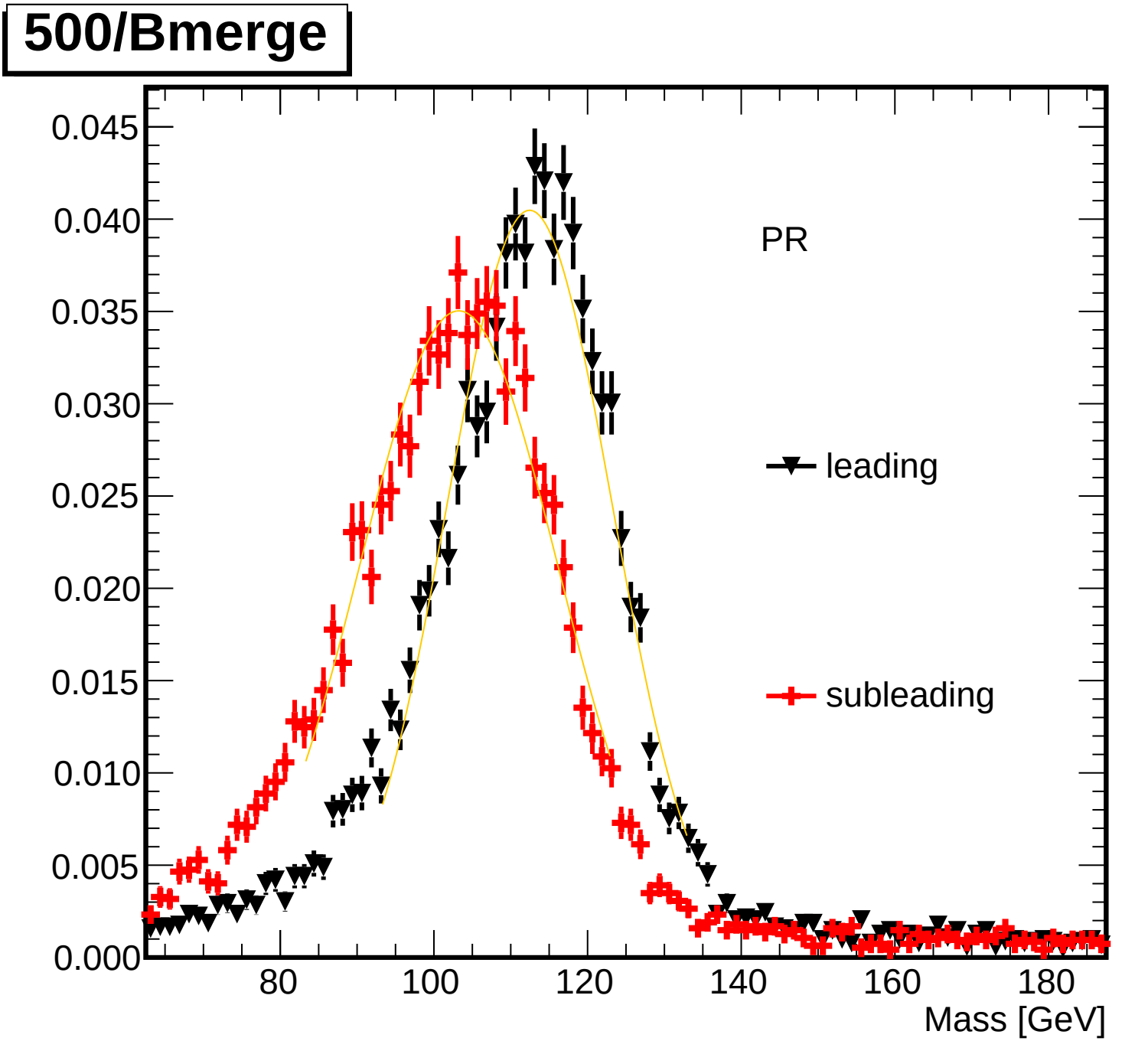

500/Bmerge, leading jet
PR
Mean = -0.104
Sigma = 0.090
PRCorr
Mean = -0.039
Sigma = 0.094
AK8SD
Mean = -0.101
Sigma = 0.090
AK8SDCorrThea
Mean = -0.042
Sigma = 0.093
AK8SDHCorr
Mean = 0.038
Sigma = 0.098
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

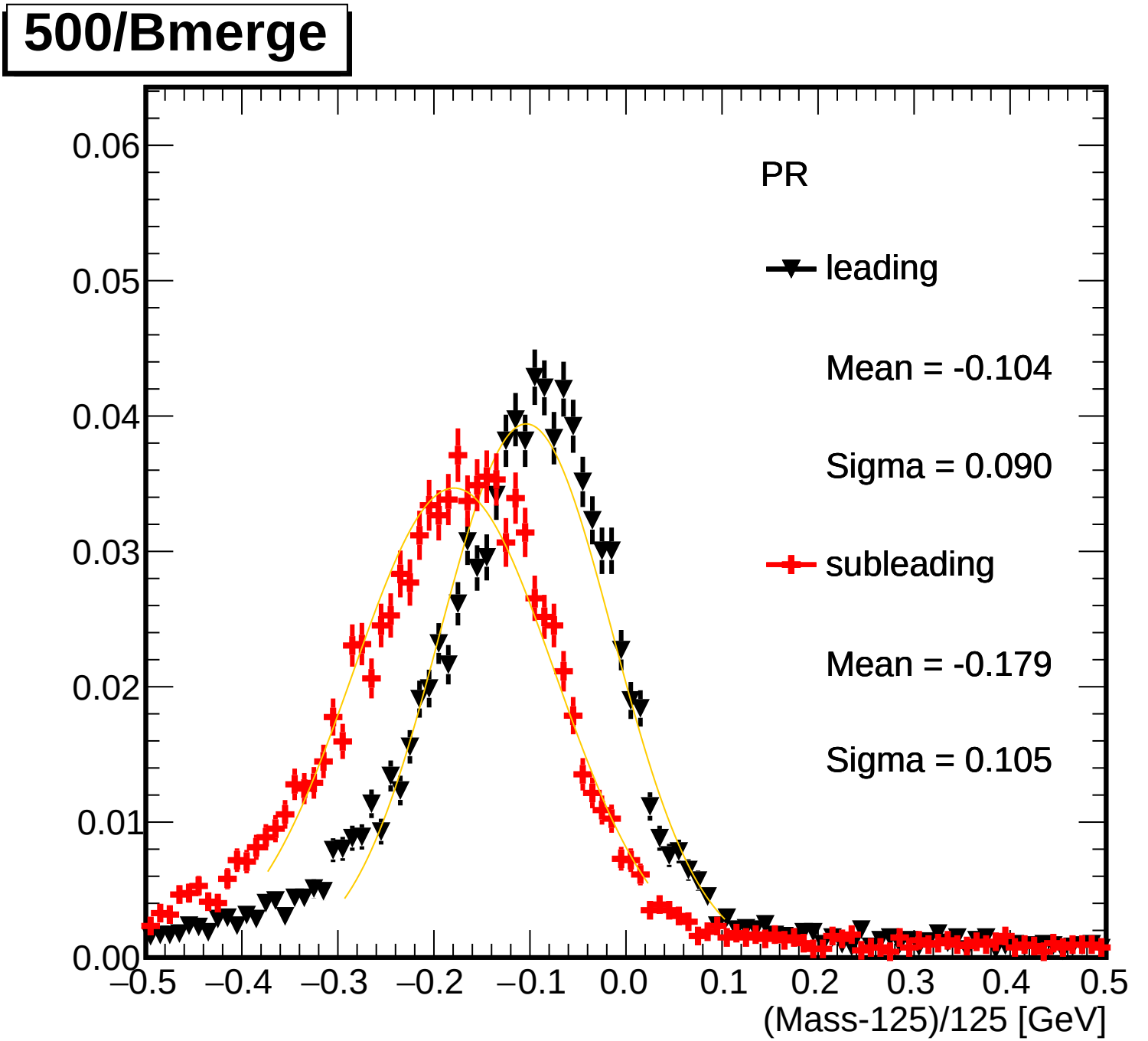

500/Bmerge, subleading jet
PR
PRCorr
AK8SDT
AK8SDCorrThea
AK8SDHCorr
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
80
100
120
140
160
180
Mass [GeV]

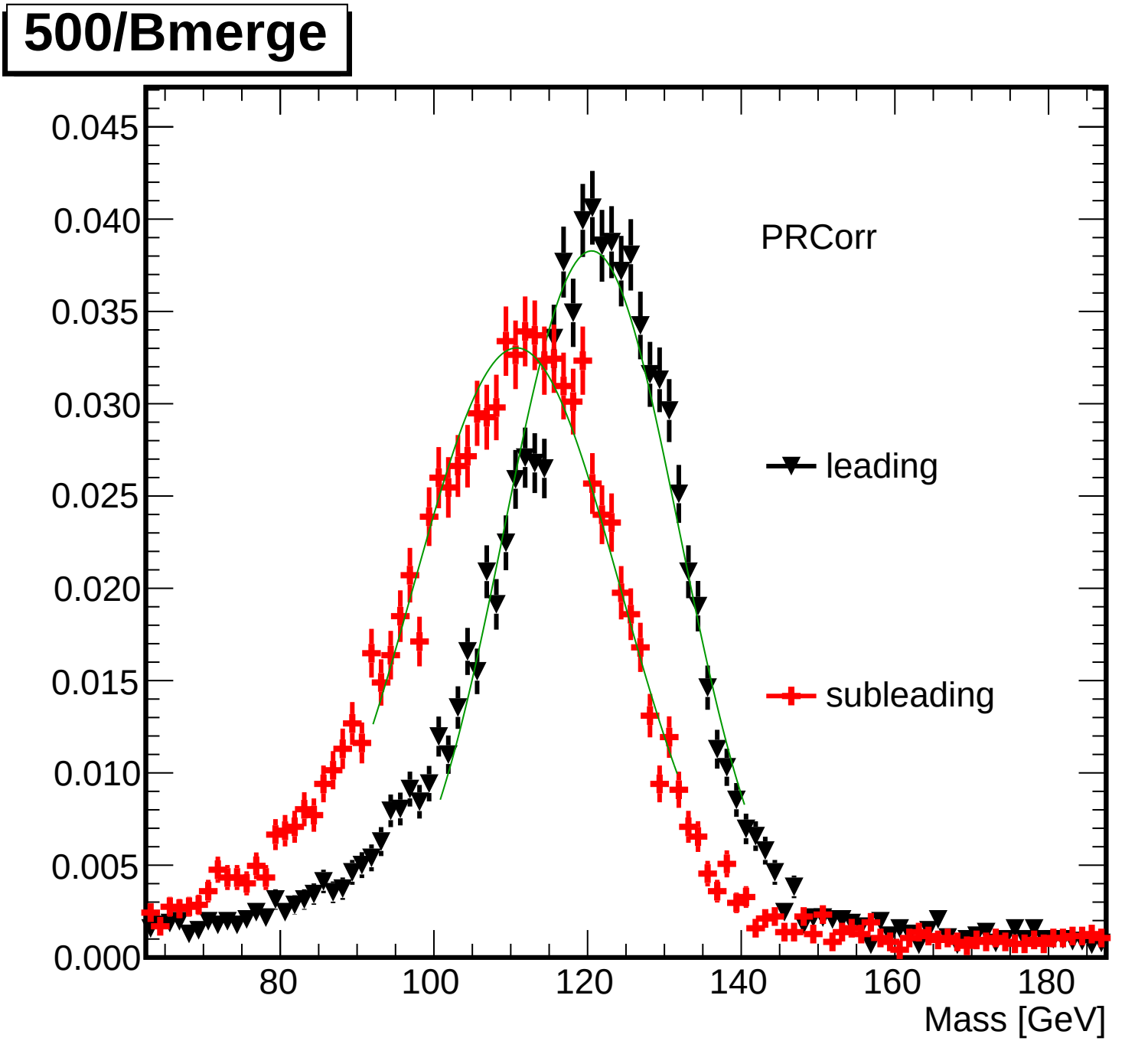

500/Bmerge, subleading jet
PR
Mean = -0.179
Sigma = 0.105
PRCorr
Mean = -0.118
Sigma = 0.109
AK8SD
Mean = -0.190
Sigma = 0.106
AK8SDCorrThea
Mean = -0.133
Sigma = 0.112
AK8SDHCorr
Mean = -0.064
Sigma = 0.119
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

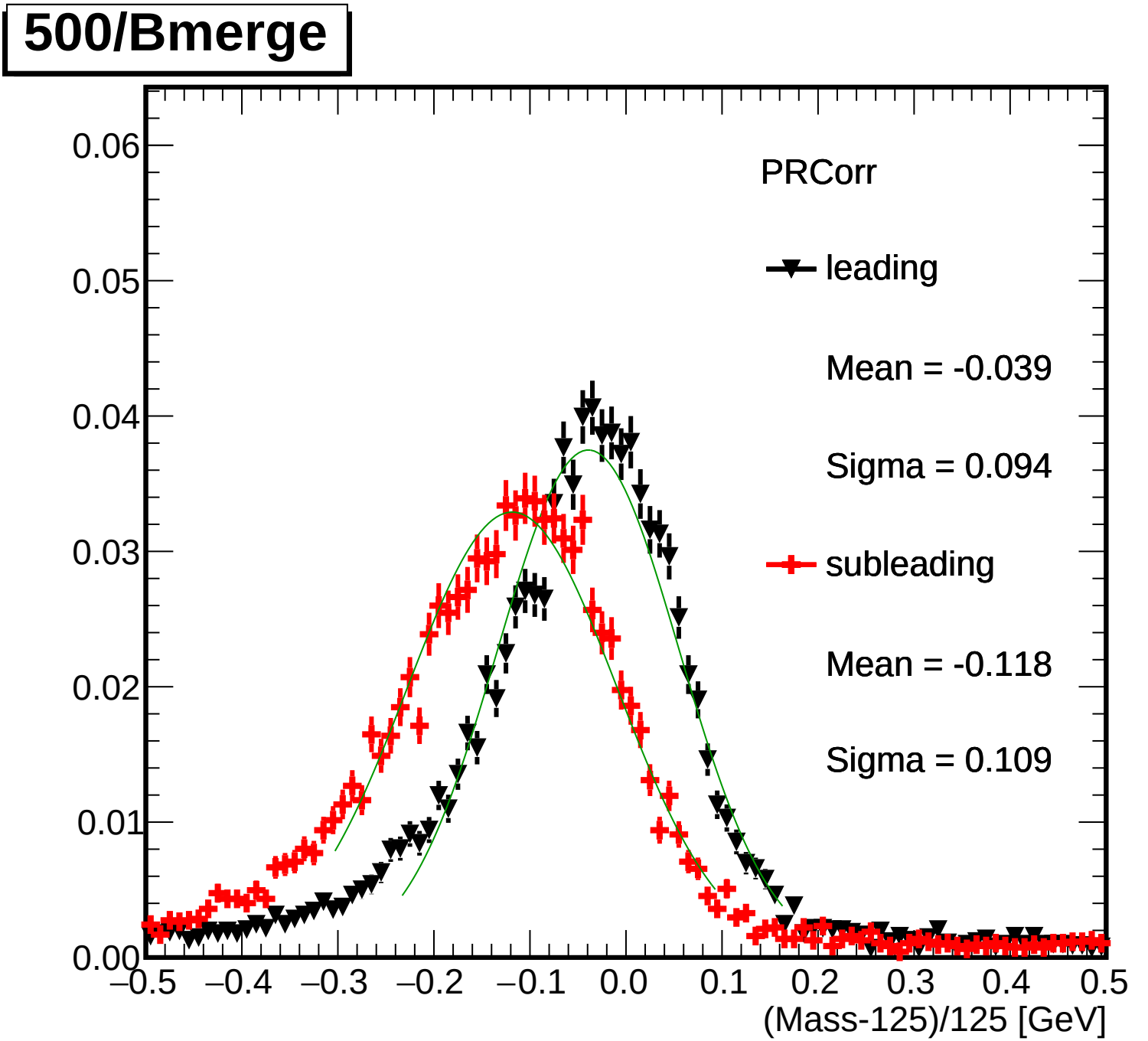

500/Bmerge, both jets
PR
PRCorr
AK8SD
AK8SDCorr
Thea
AK8SDHCorr
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
80
100
120
140
160
180
Mass [GeV]

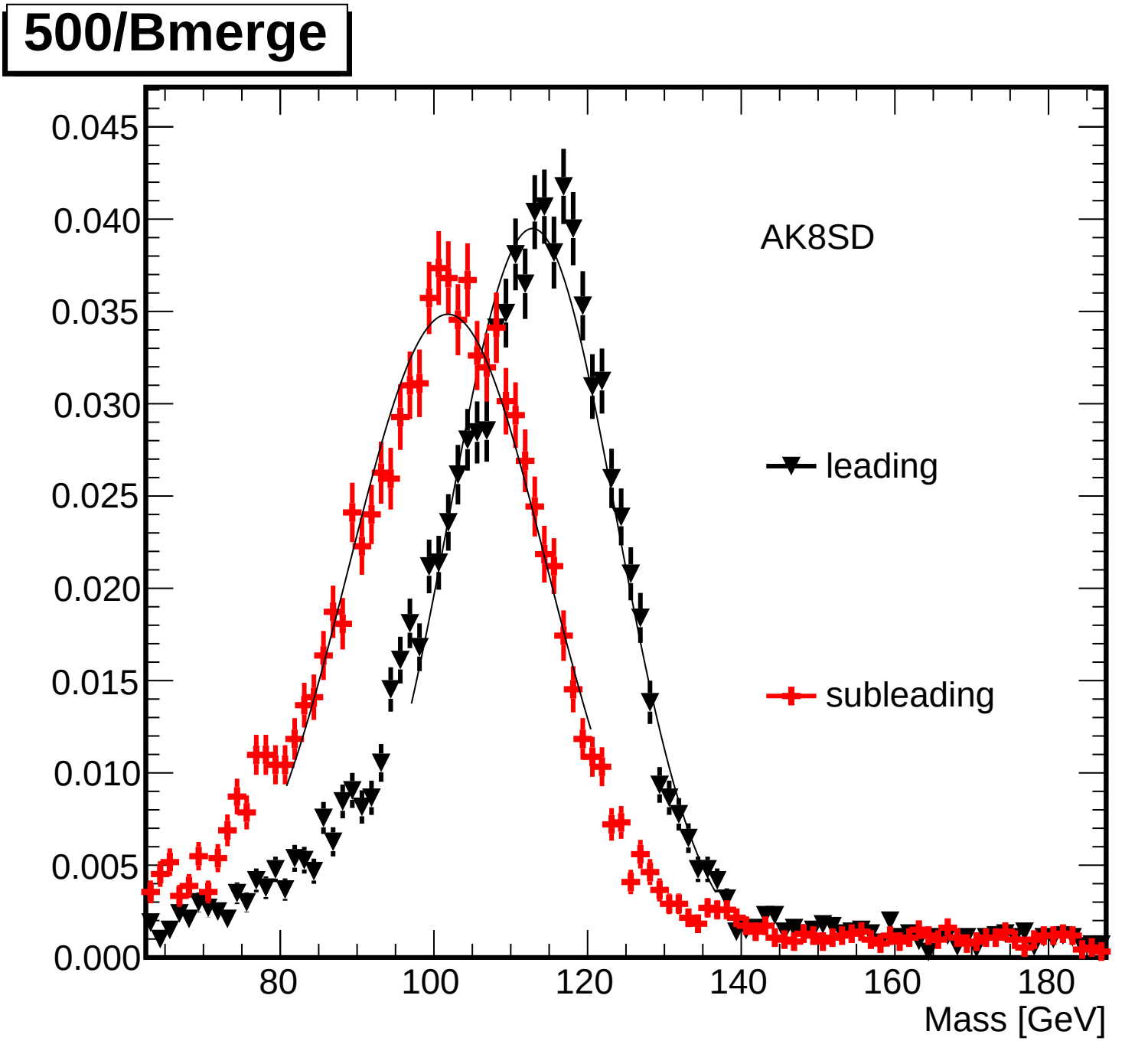

500/Bmerge, both jets
PR
Mean = -0.136
Sigma = 0.102
PRCorr
Mean = -0.072
Sigma = 0.106
AK8SD
Mean = -0.142
Sigma = 0.109
AK8SDCorrThea
Mean = -0.081
Sigma = 0.108
AK8SDHCorr
Mean = -0.009
Sigma = 0.121
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

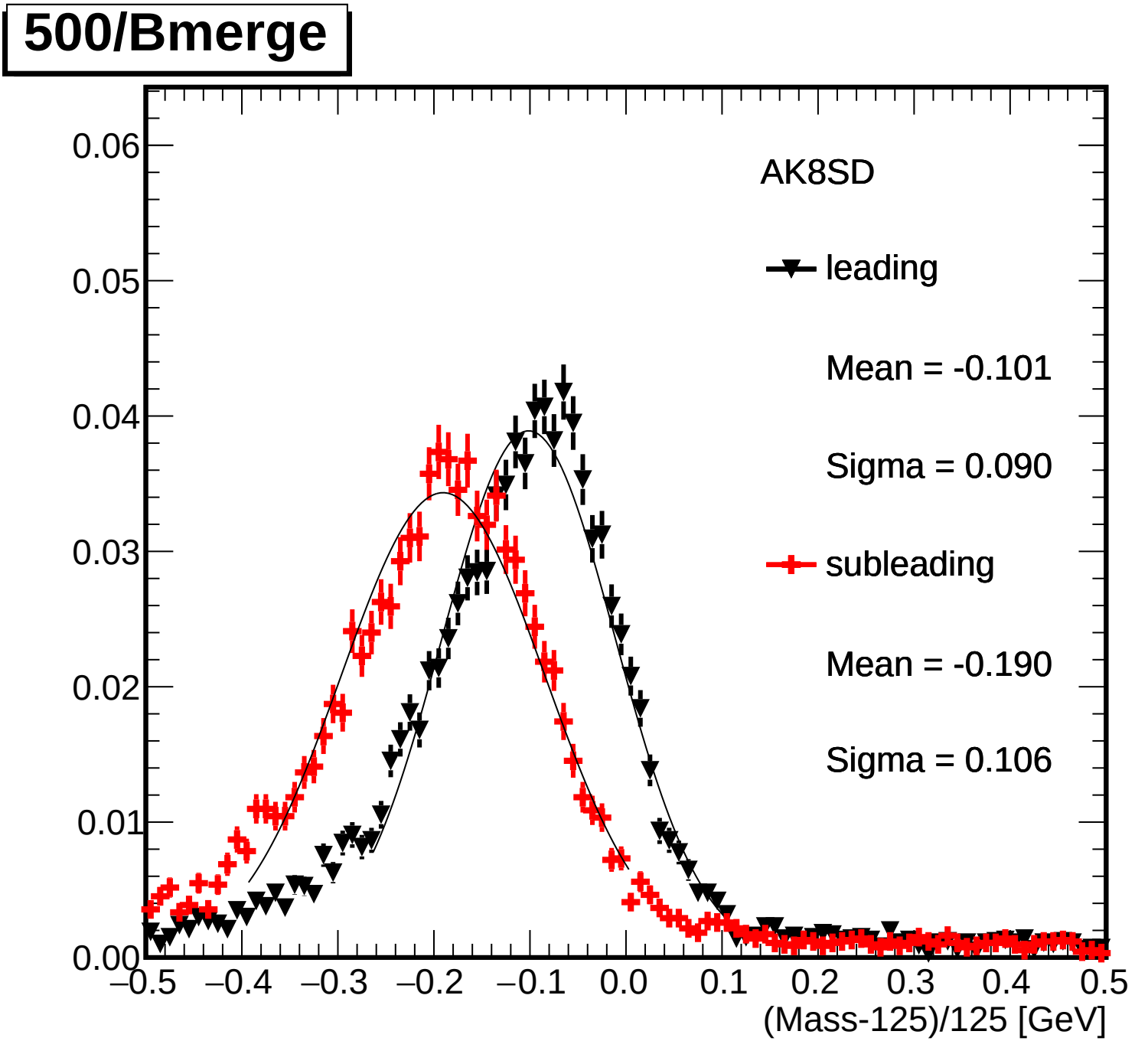

500/Bmerge
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
80
100
120
140
160
180
Mass [GeV]
PR
leading
subleading

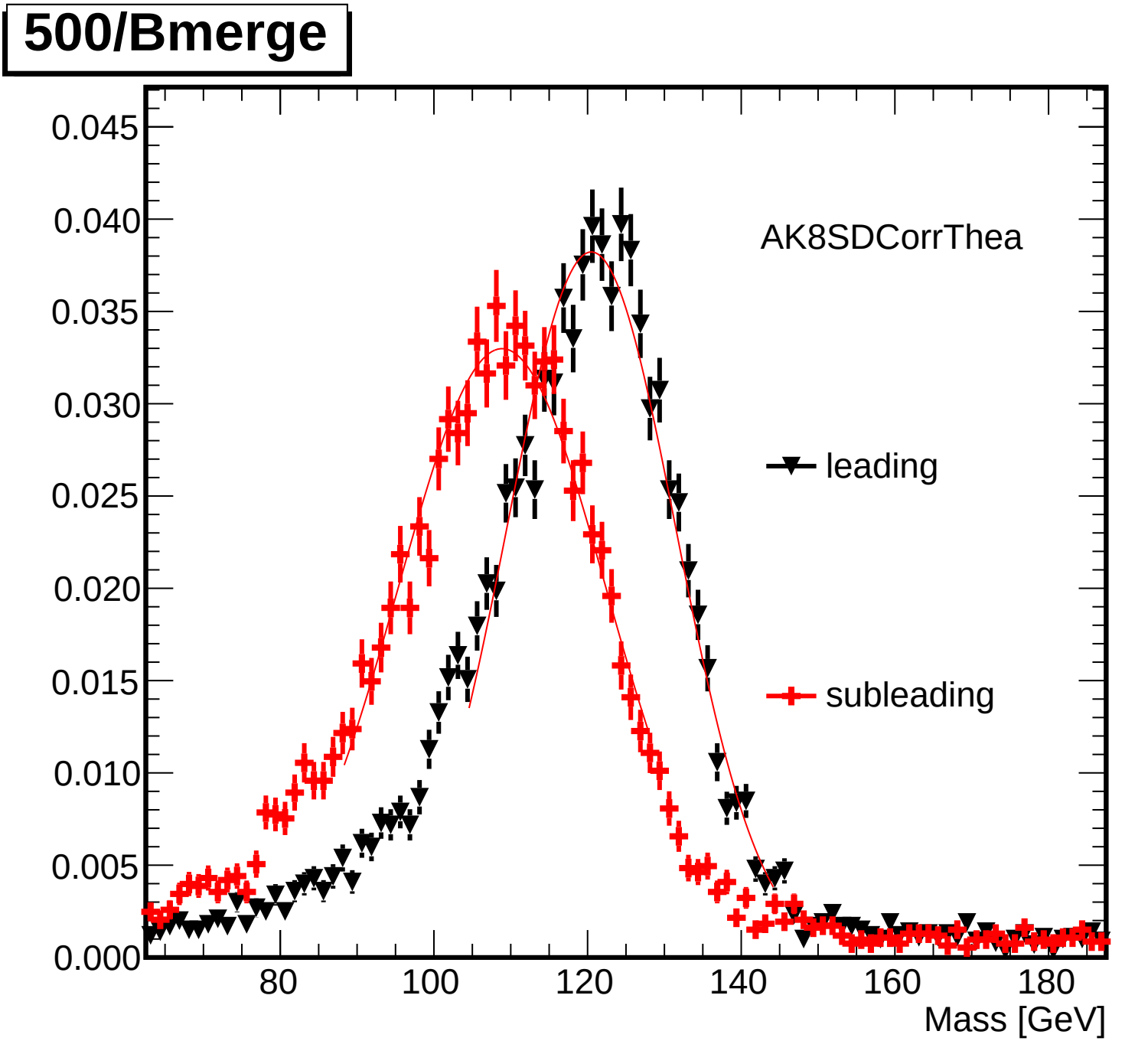

500/Bmerge
PR
leading
Mean = -0.104
Sigma = 0.090
subleading
Mean = -0.179
Sigma = 0.105
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

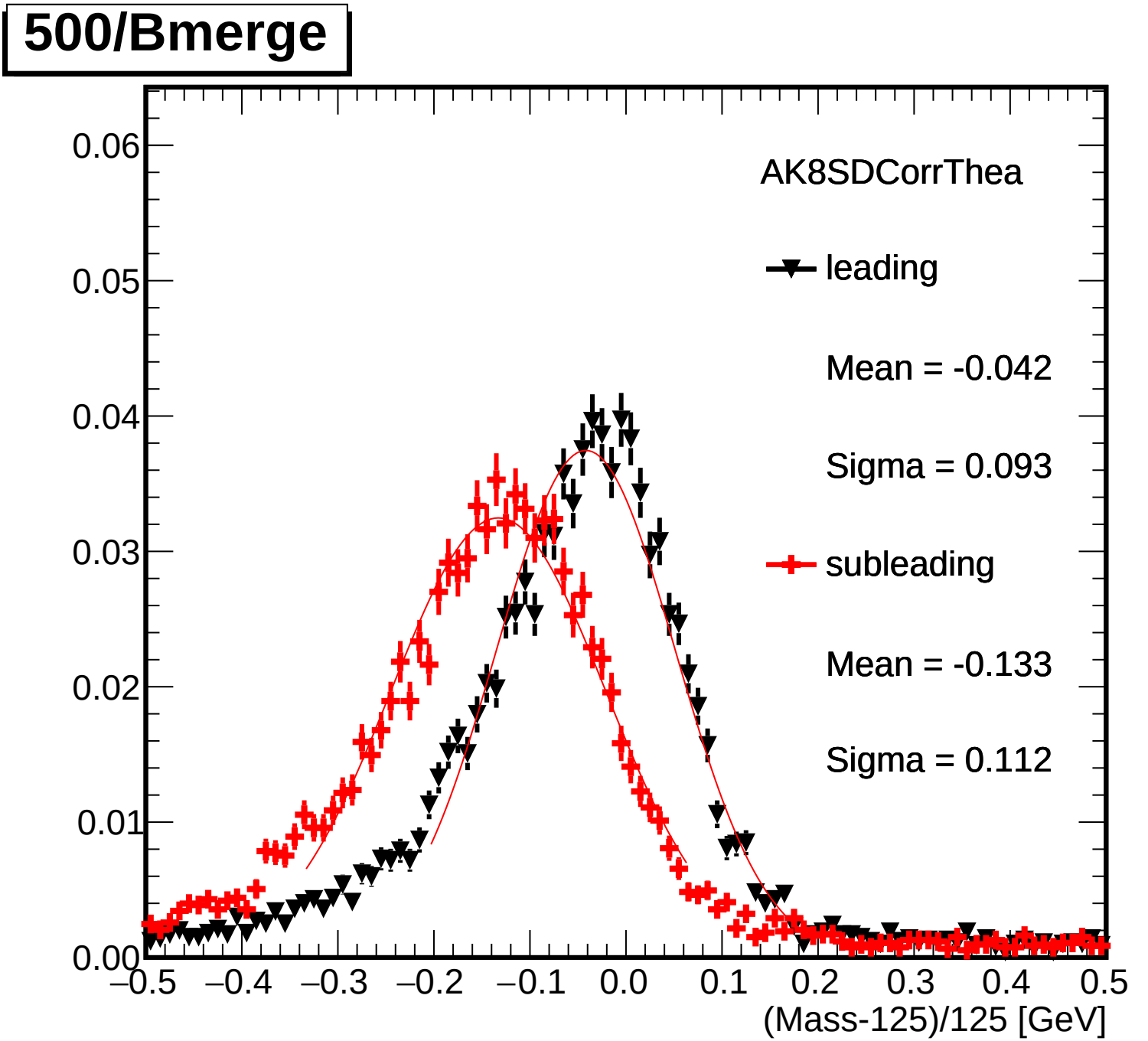

500/Bmerge
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
80
100
120
140
160
180
Mass [GeV]
PRCorr
leading
subleading

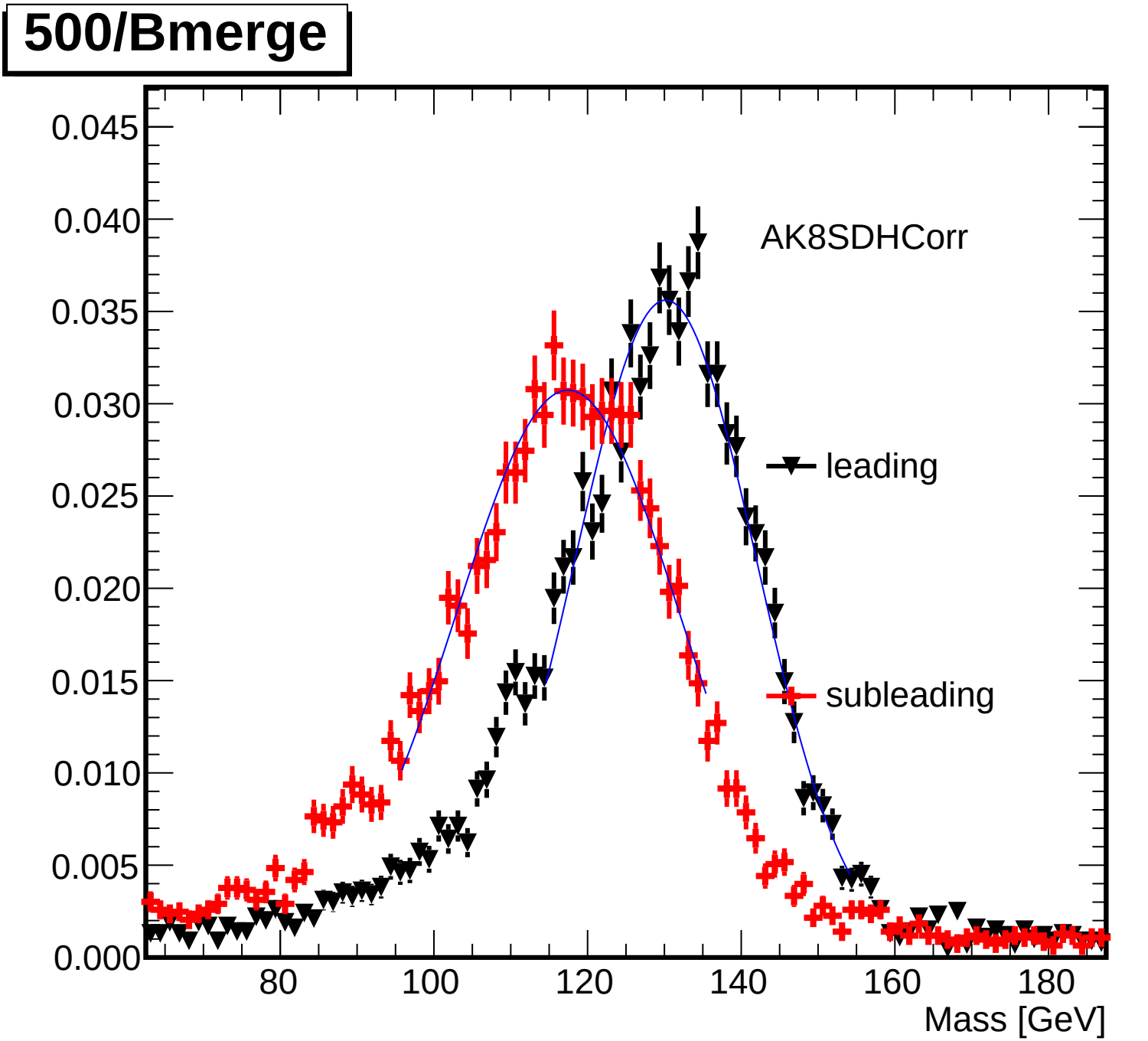

500/Bmerge
PRCorr
leading
Mean = -0.039
Sigma = 0.094
subleading
Mean = -0.118
Sigma = 0.109
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

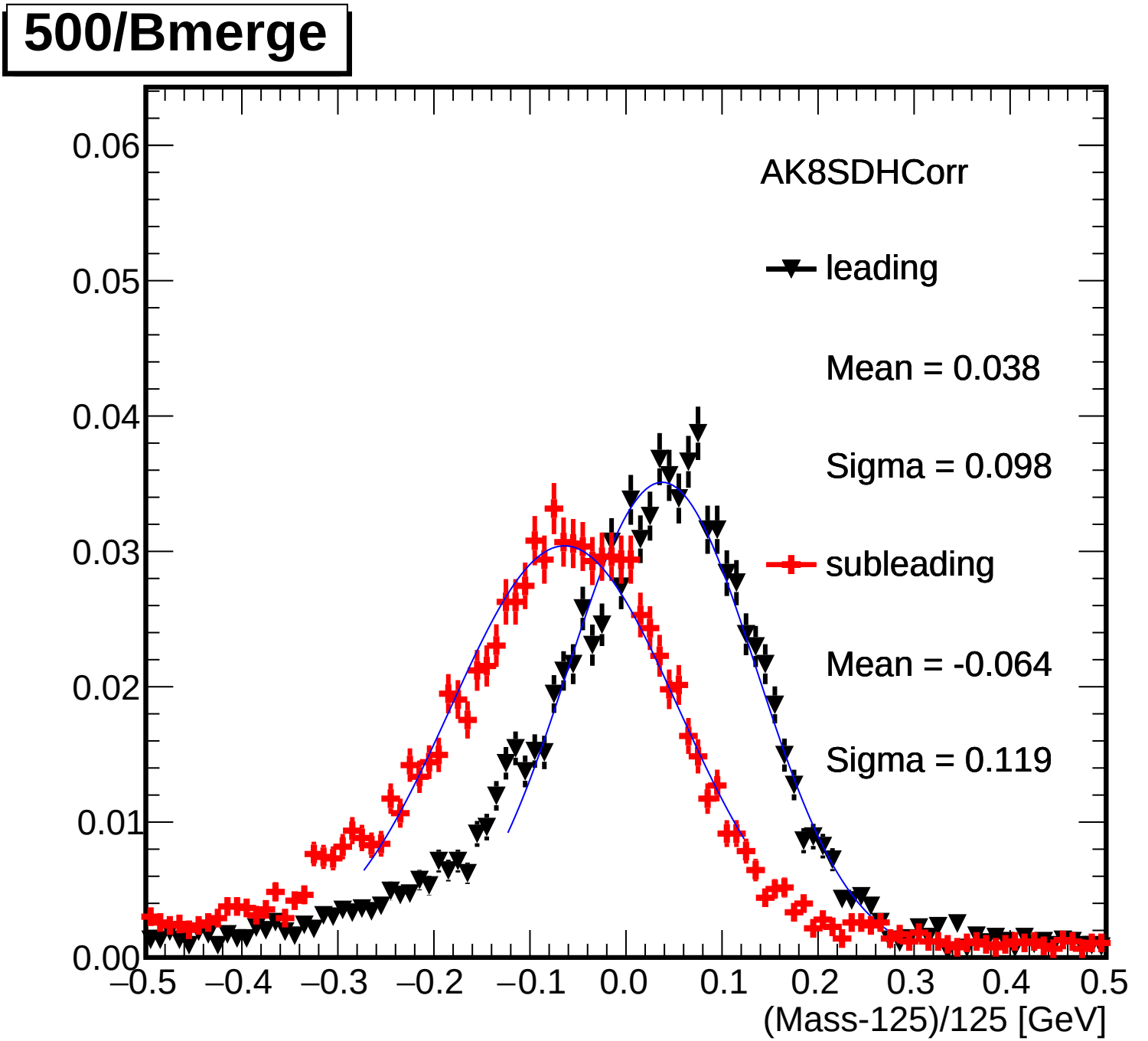

500/Bmerge
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
80
100
120
140
160
180
Mass [GeV]
AK8SD
leading
subleading


500/Bmerge
AK8SD
leading
Mean = -0.101
Sigma = 0.090
subleading
Mean = -0.190
Sigma = 0.106
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]


500/Bmerge
AK8SDCorrThea
leading
subleading
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
80
100
120
140
160
180
Mass [GeV]


500/Bmerge
AK8SDCorrThea
leading
Mean = -0.042
Sigma = 0.093
subleading
Mean = -0.133
Sigma = 0.112
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]


500/Bmerge
AK8SDHCorr
leading
subleading
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
80
100
120
140
160
180
Mass [GeV]


500/Bmerge
AK8SDHCorr
leading
Mean = 0.038
Sigma = 0.098
subleading
Mean = -0.064
Sigma = 0.119
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]