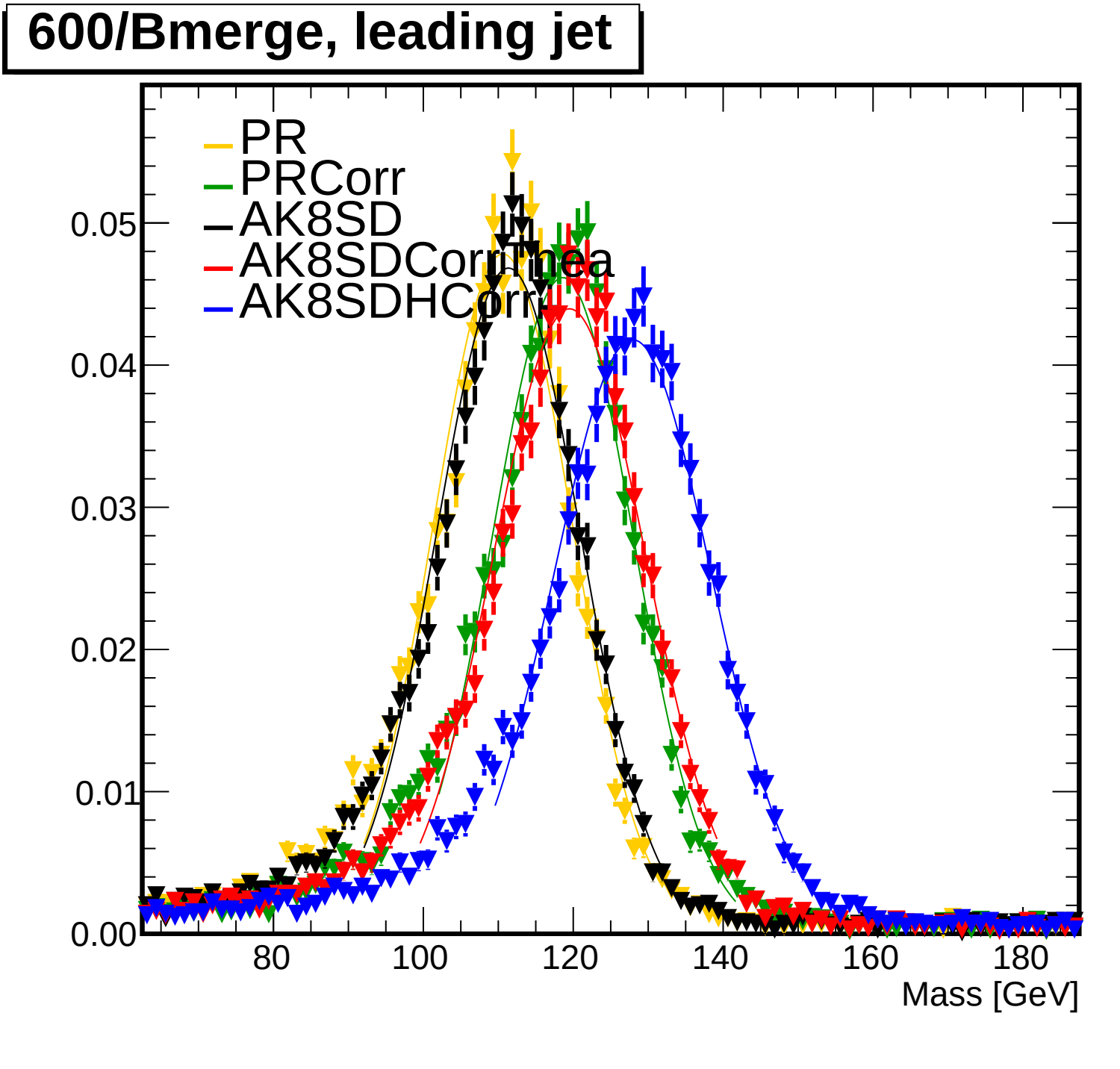
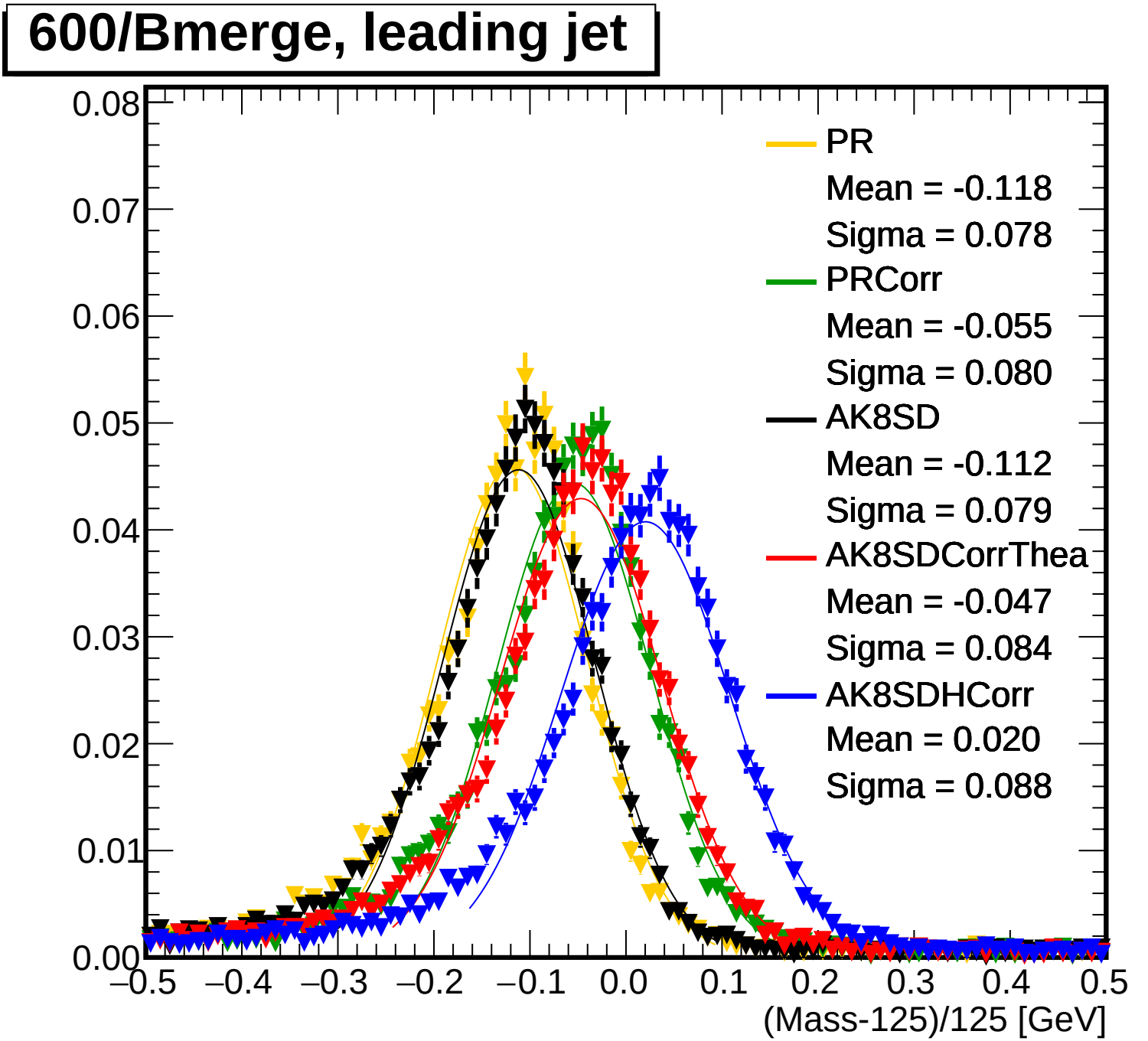
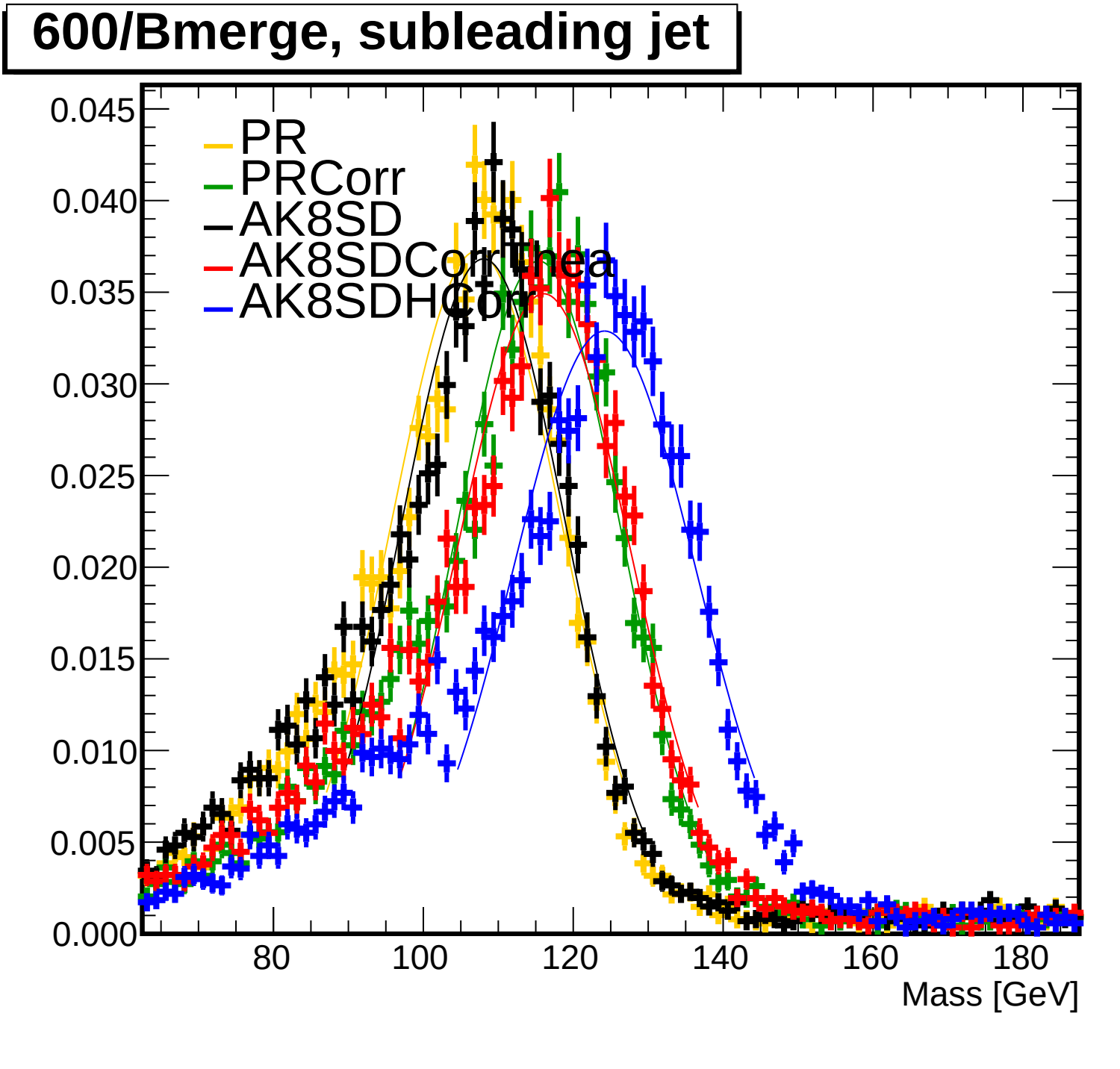
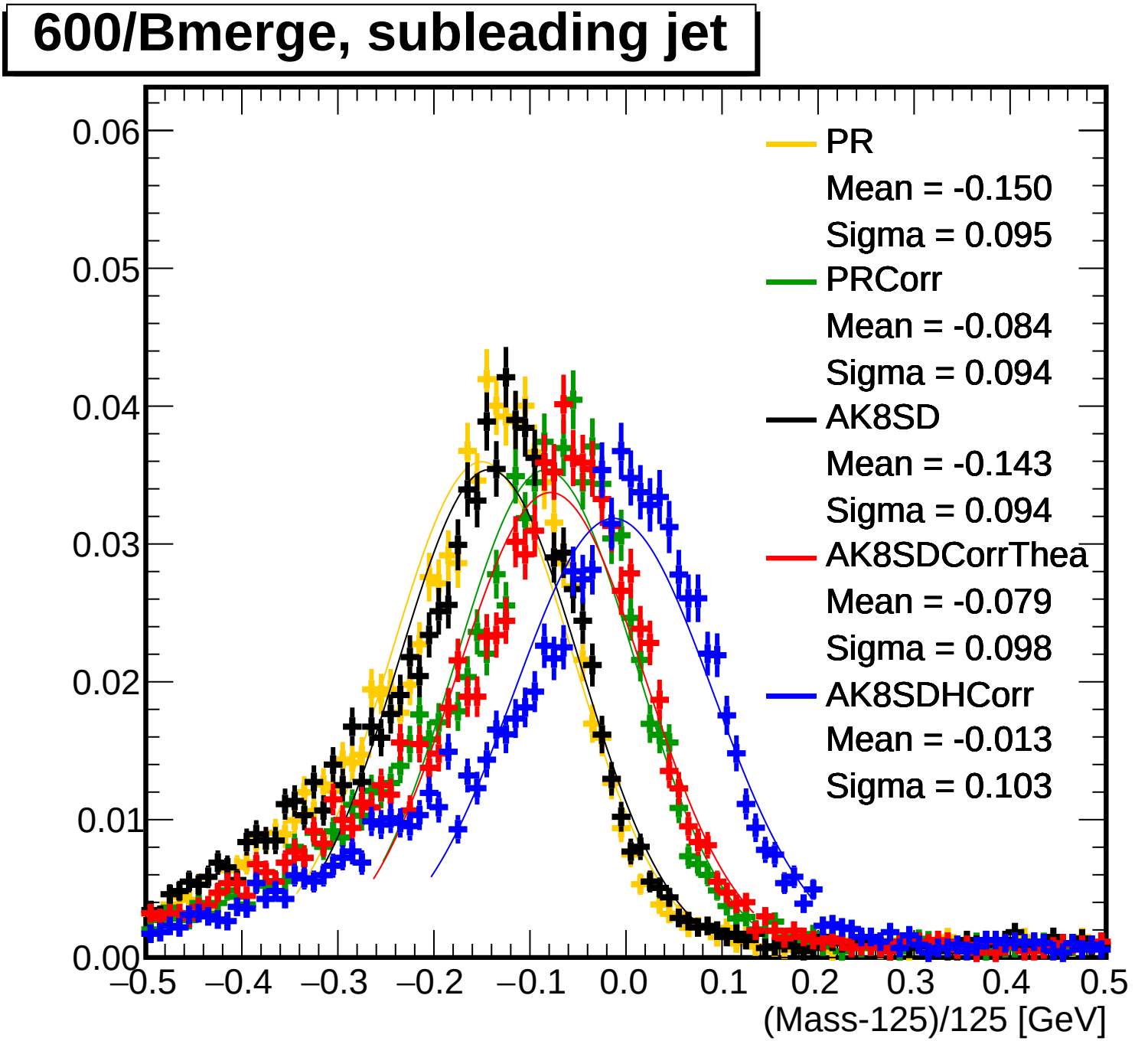
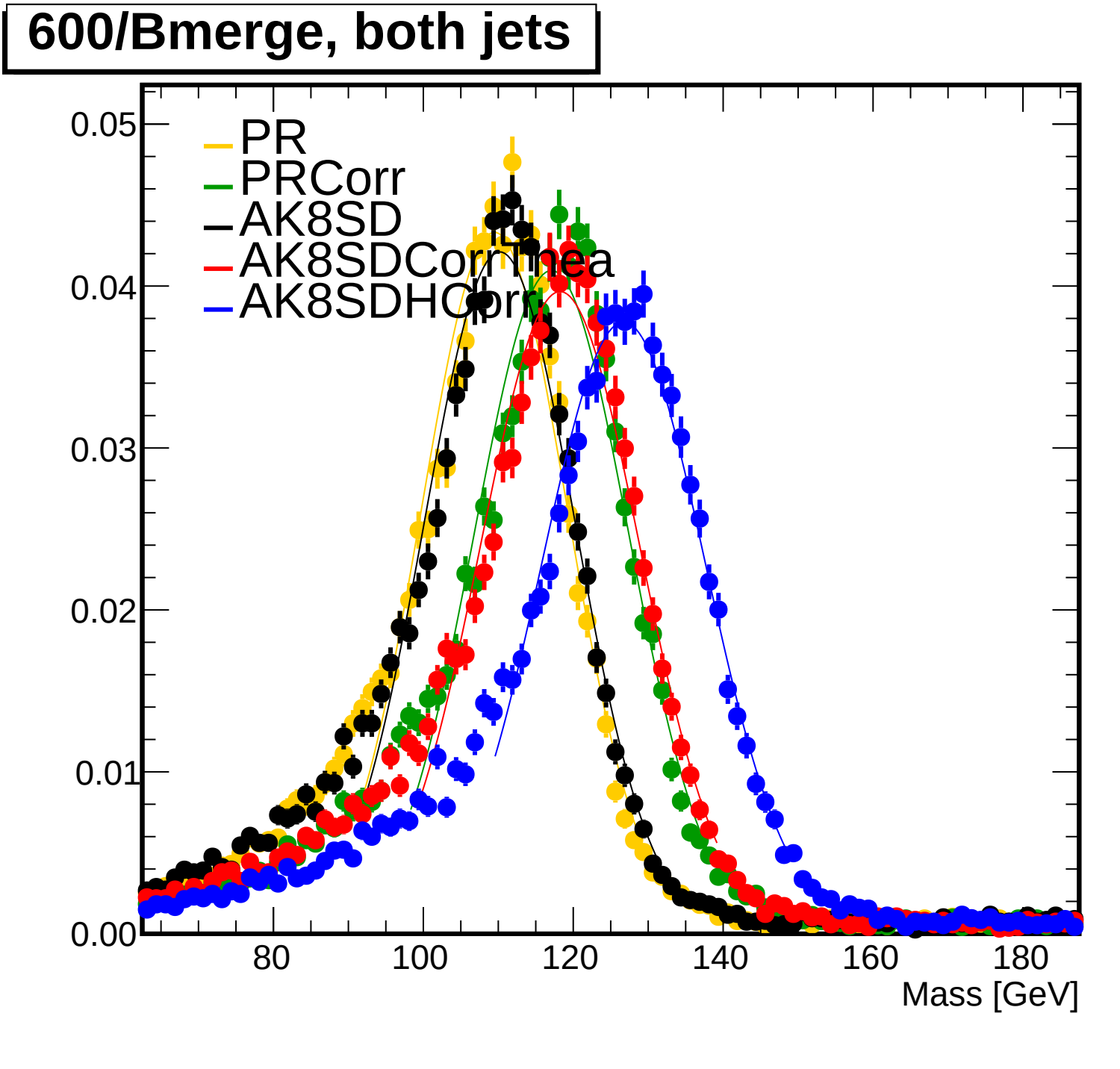
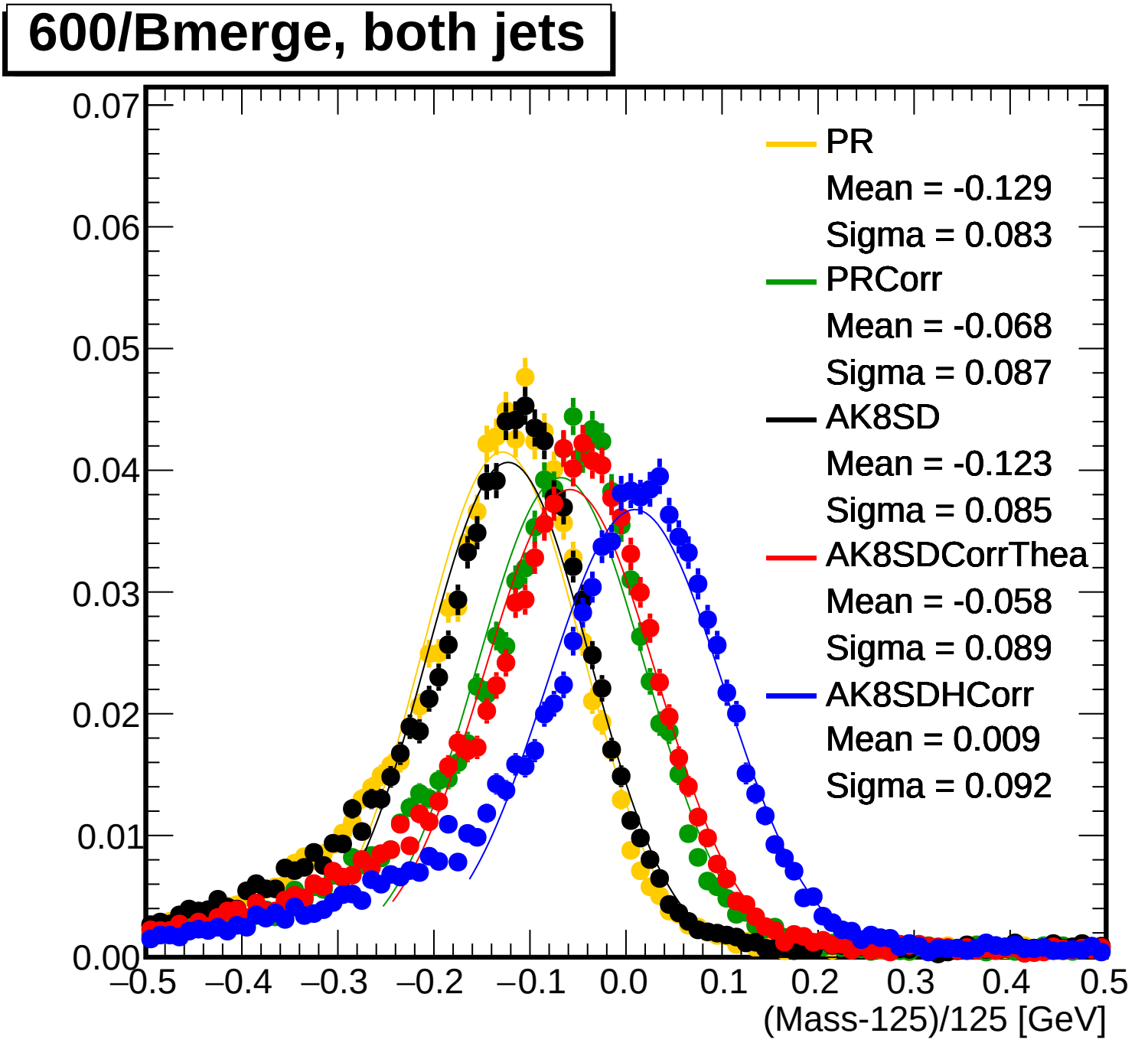

600/Bmerge, leading jet
PR
PRCorr
AK8SD
AK8SDCorrTheta
AK8SDHCorr
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]

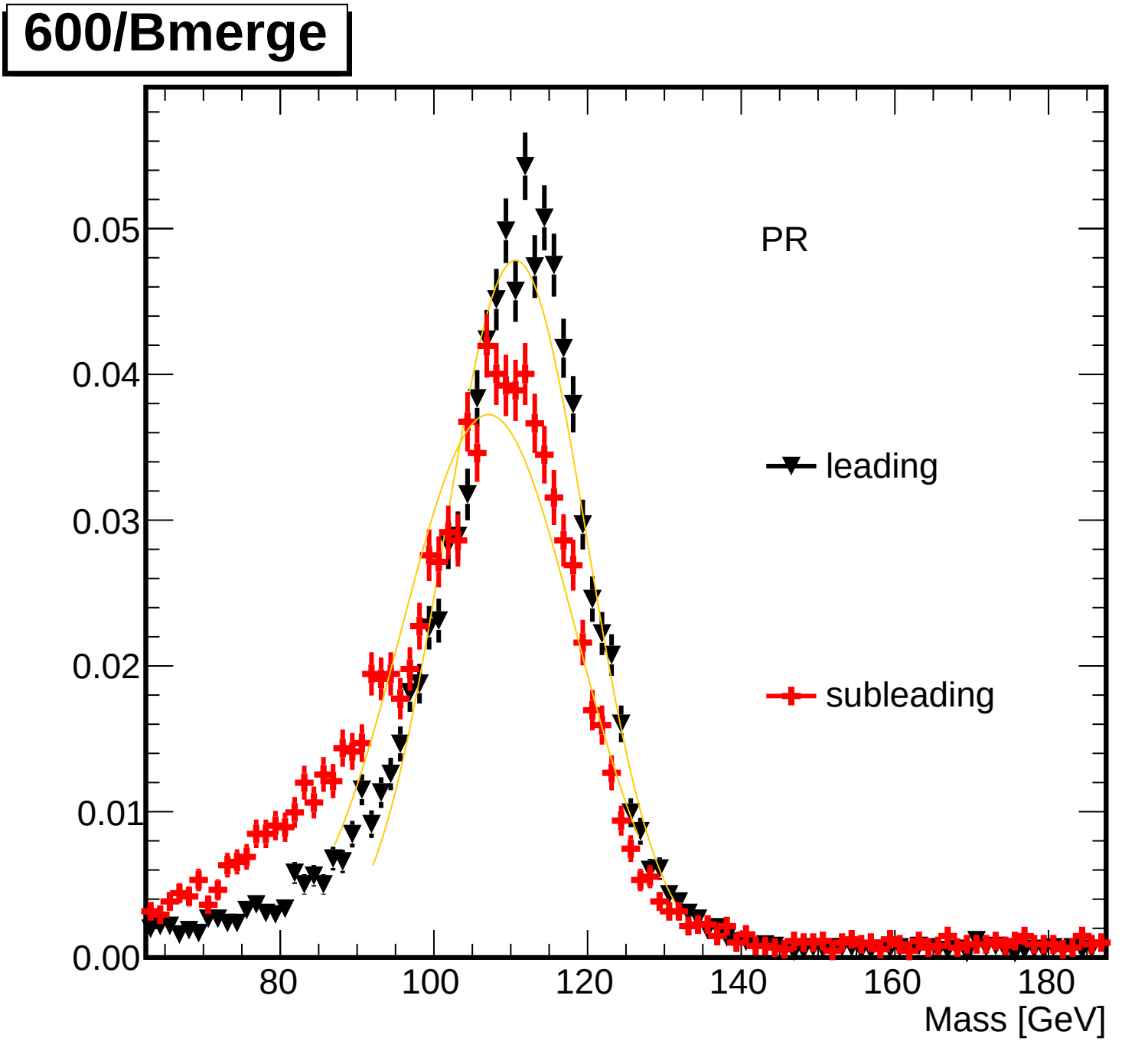

600/Bmerge, leading jet
PR
Mean = -0.118
Sigma = 0.078
PRCorr
Mean = -0.055
Sigma = 0.080
AK8SD
Mean = -0.112
Sigma = 0.079
AK8SDCorrThea
Mean = -0.047
Sigma = 0.084
AK8SDHCorr
Mean = 0.020
Sigma = 0.088
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

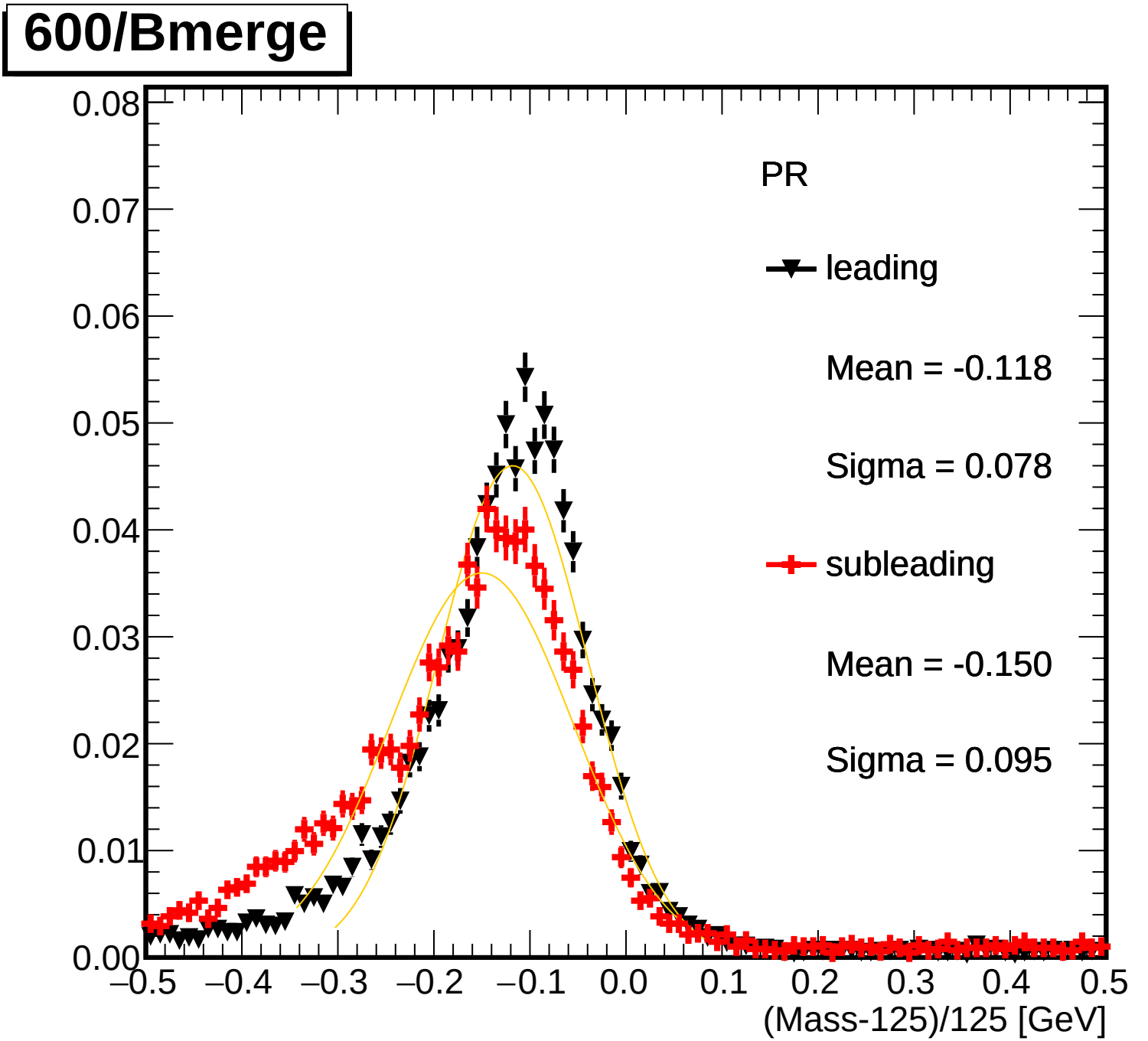

600/Bmerge, subleading jet
PR
PRCorr
AK8SD
AK8SDCorrUnea
AK8SDHCorr
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
80
100
120
140
160
180
Mass [GeV]

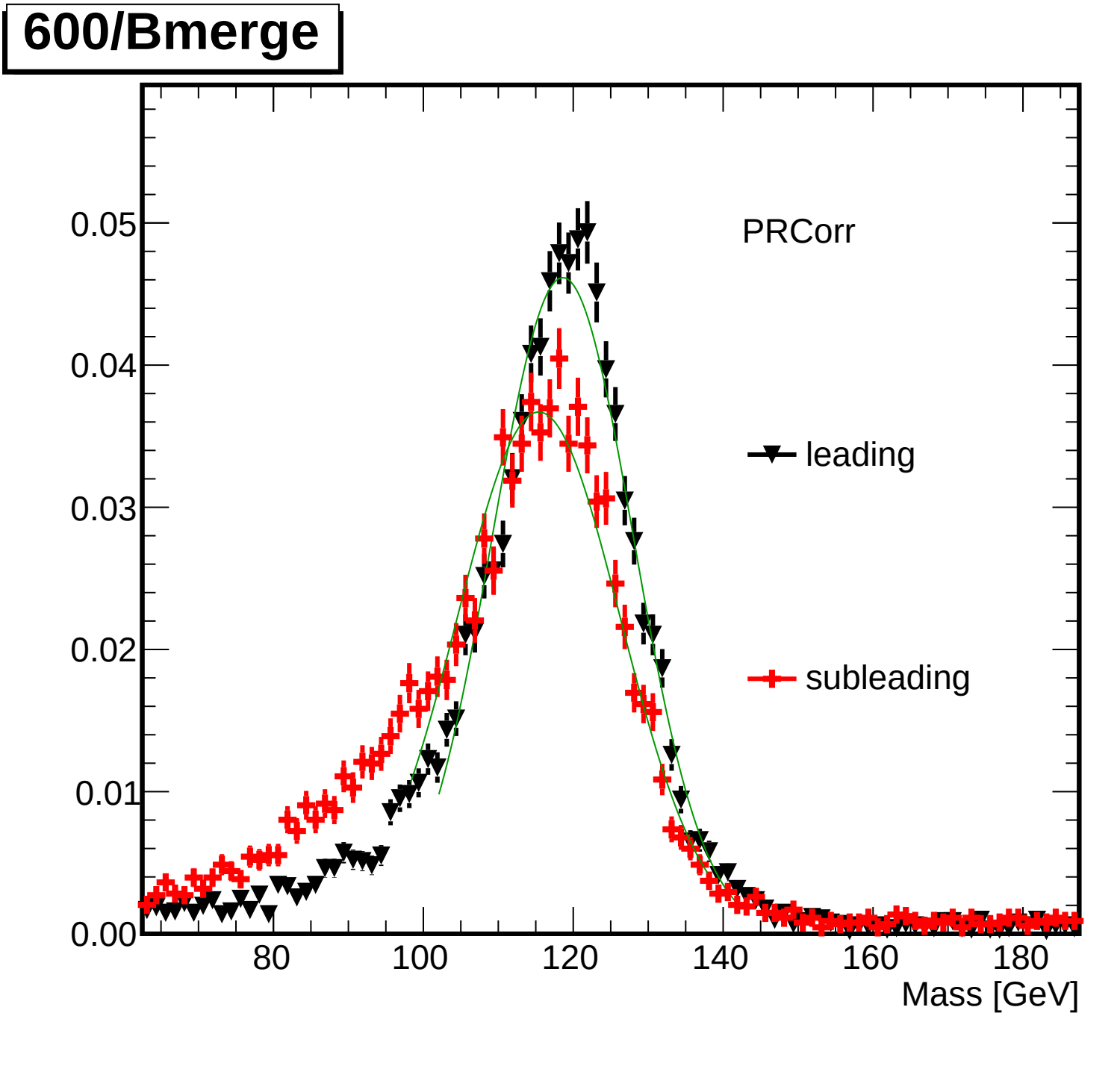

600/Bmerge, subleading jet
PR
Mean = -0.150
Sigma = 0.095
PRCorr
Mean = -0.084
Sigma = 0.094
AK8SD
Mean = -0.143
Sigma = 0.094
AK8SDCorrThea
Mean = -0.079
Sigma = 0.098
AK8SDHCorr
Mean = -0.013
Sigma = 0.103
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

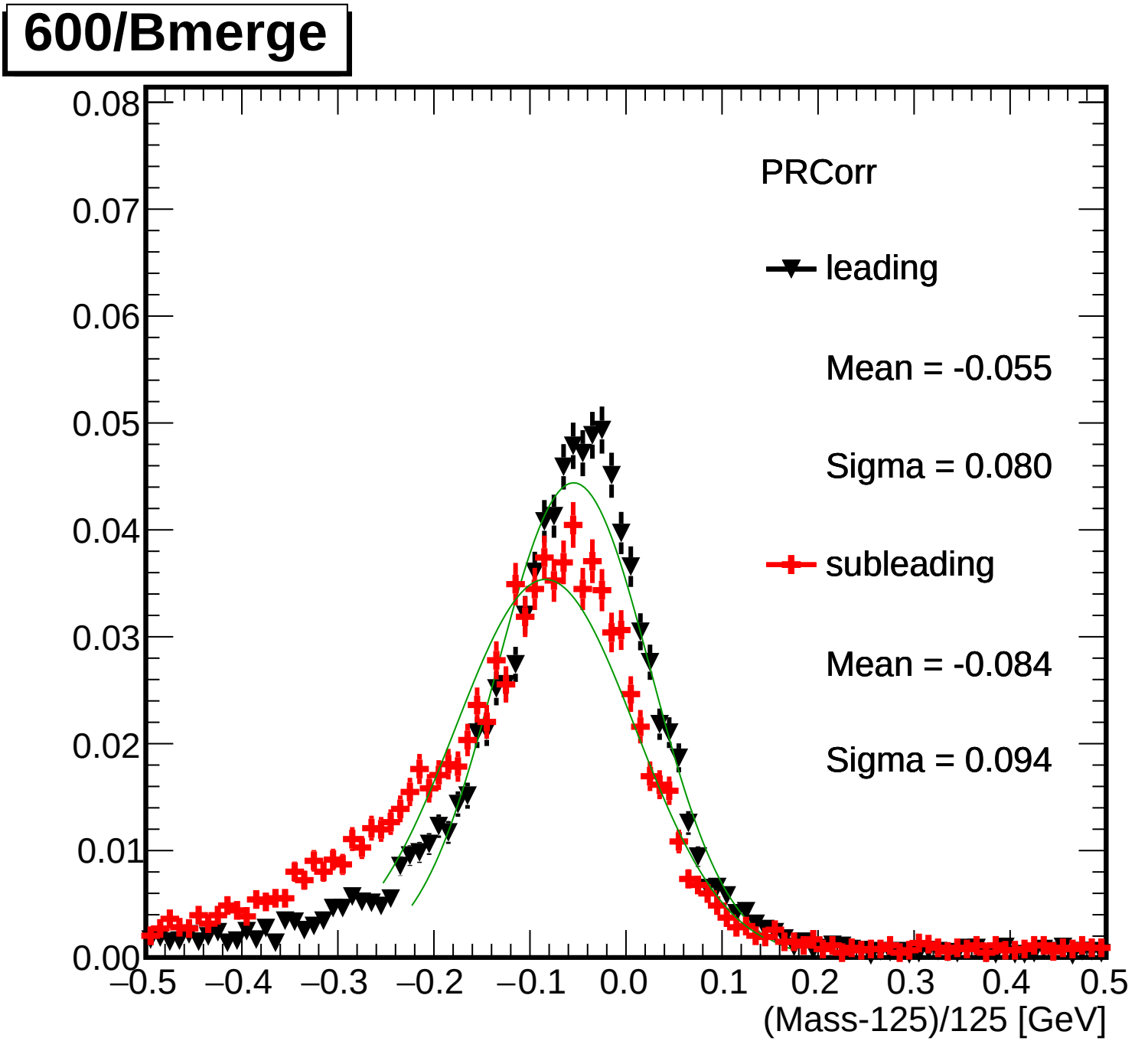

600/Bmerge, both jets
PR
PRCorr
AK8SD
AK8SDCorrLinea
AK8SDHCorr
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]

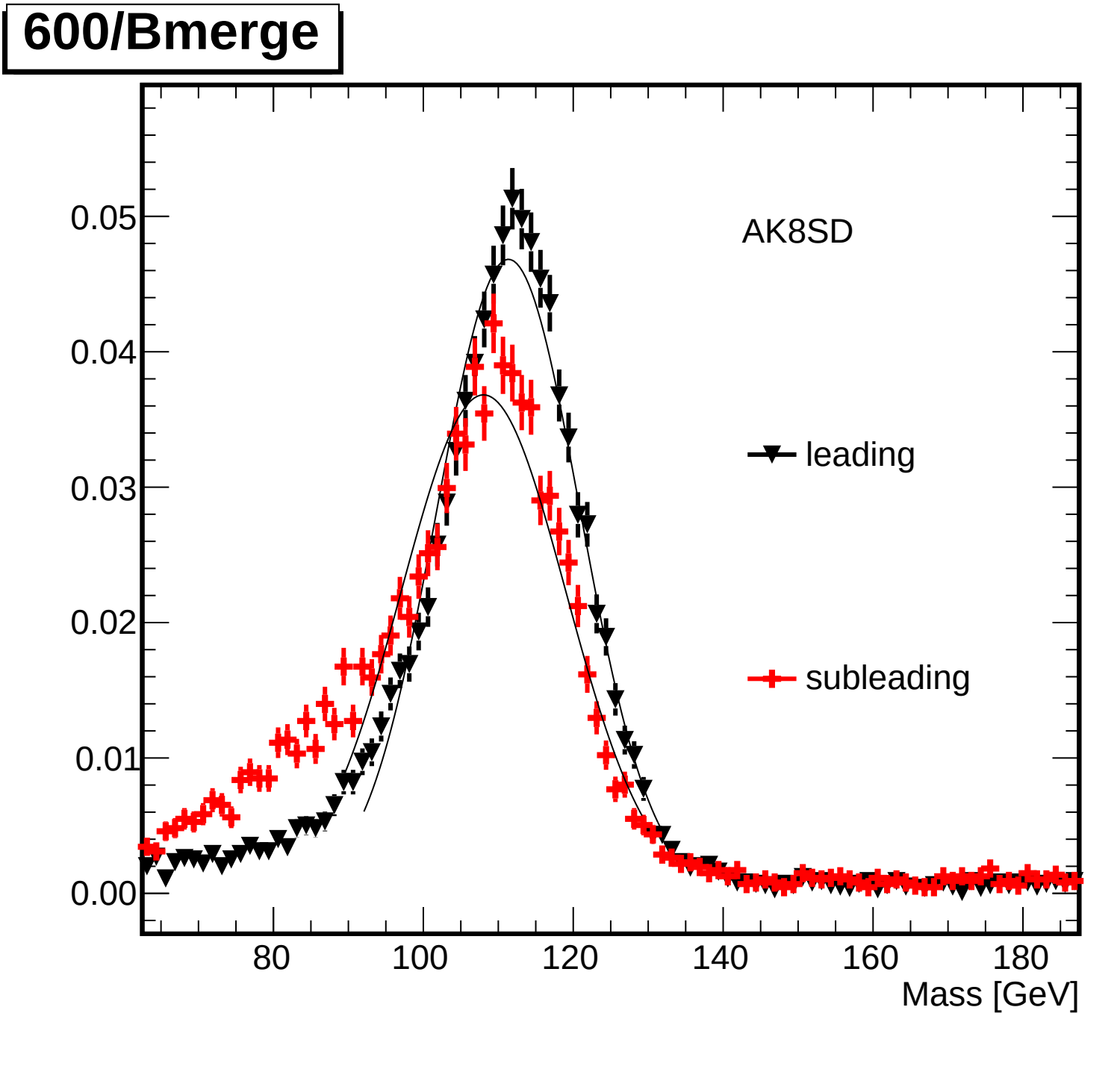

600/Bmerge, both jets
PR
Mean = -0.129
Sigma = 0.083
PRCorr
Mean = -0.068
Sigma = 0.087
AK8SD
Mean = -0.123
Sigma = 0.085
AK8SDCorrThea
Mean = -0.058
Sigma = 0.089
AK8SDHCorr
Mean = 0.009
Sigma = 0.092
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

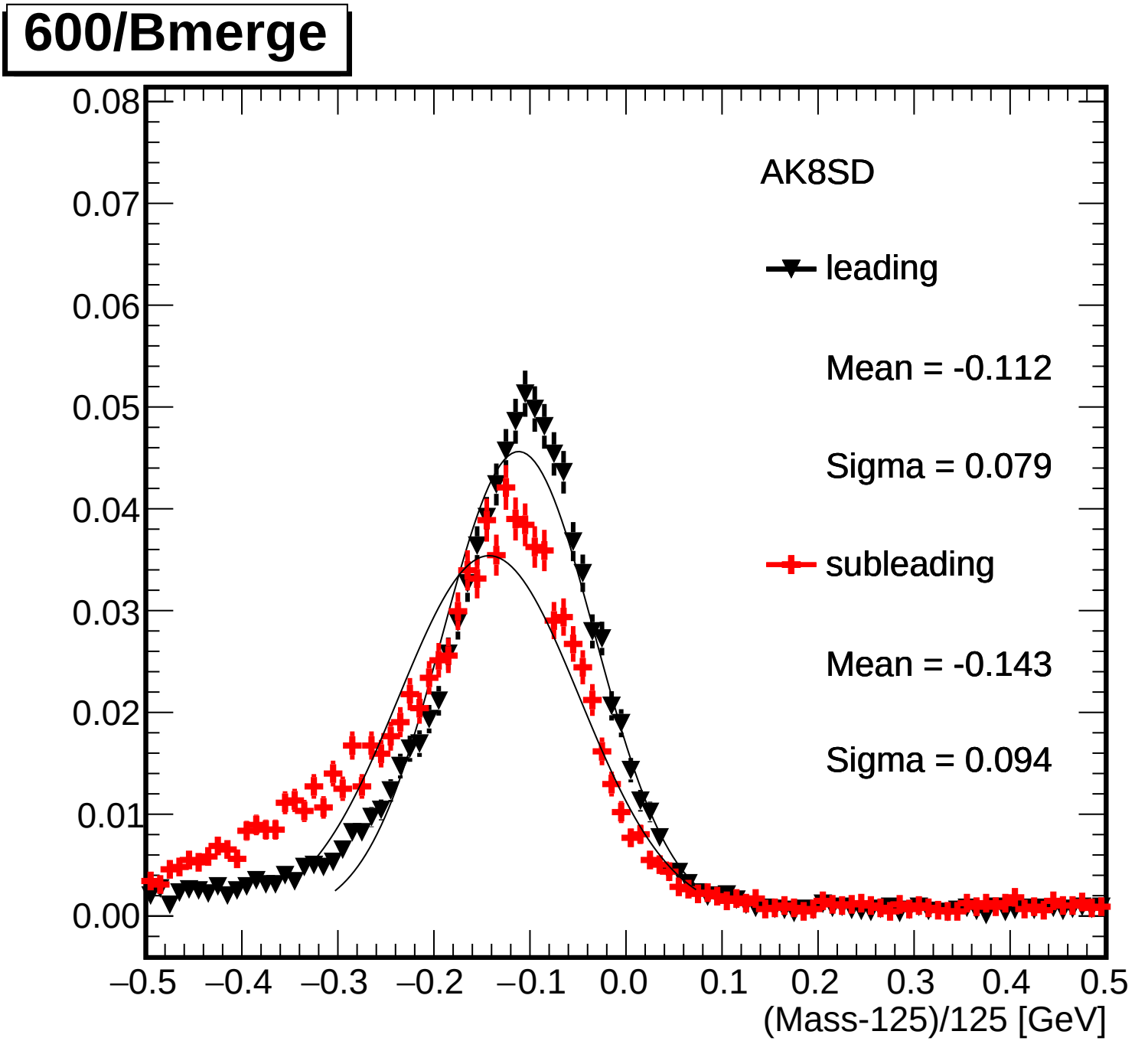

600/Bmerge
PR
leading
subleading
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]

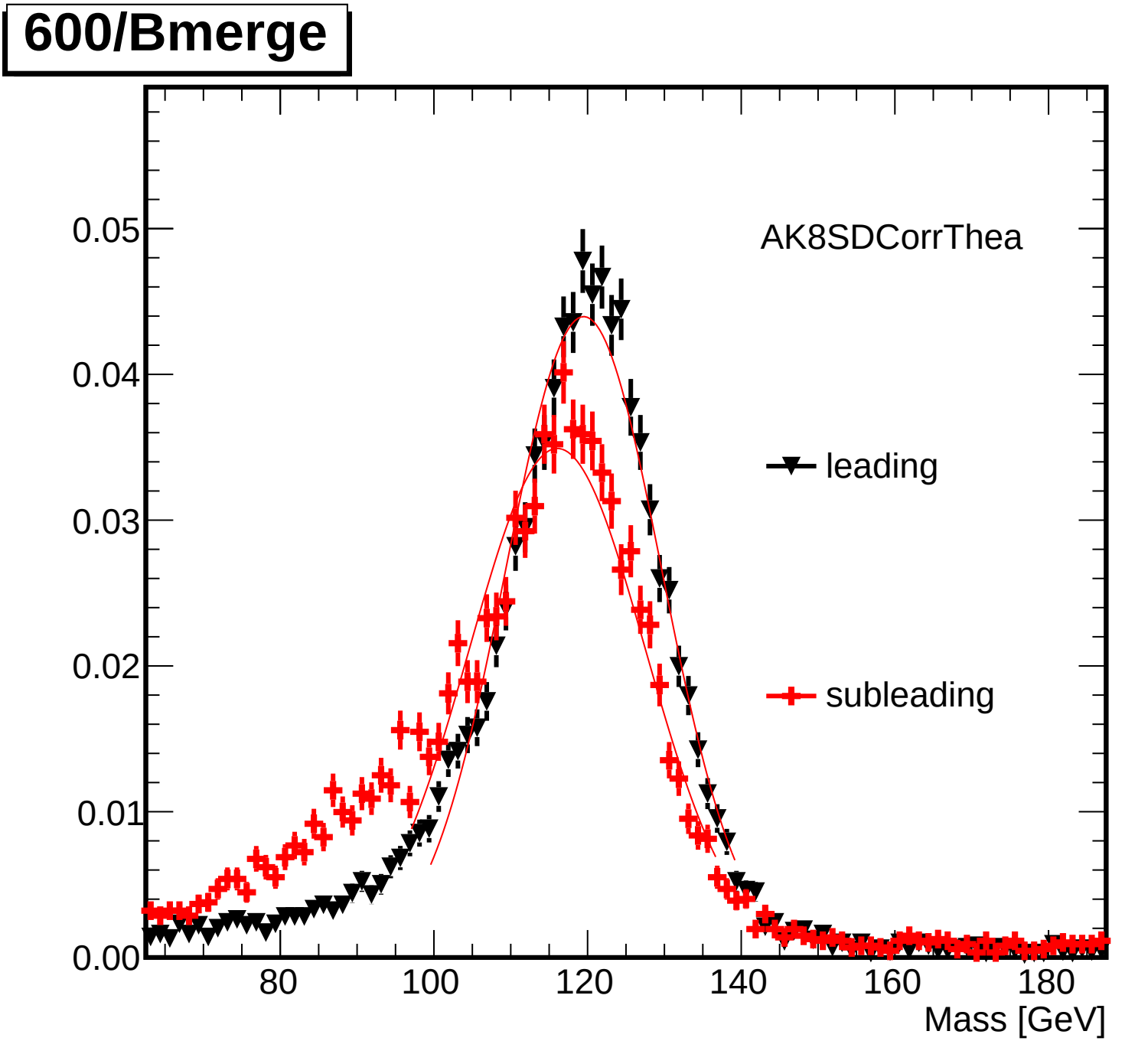

600/Bmerge
PR
leading
Mean = -0.118
Sigma = 0.078
subleading
Mean = -0.150
Sigma = 0.095
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

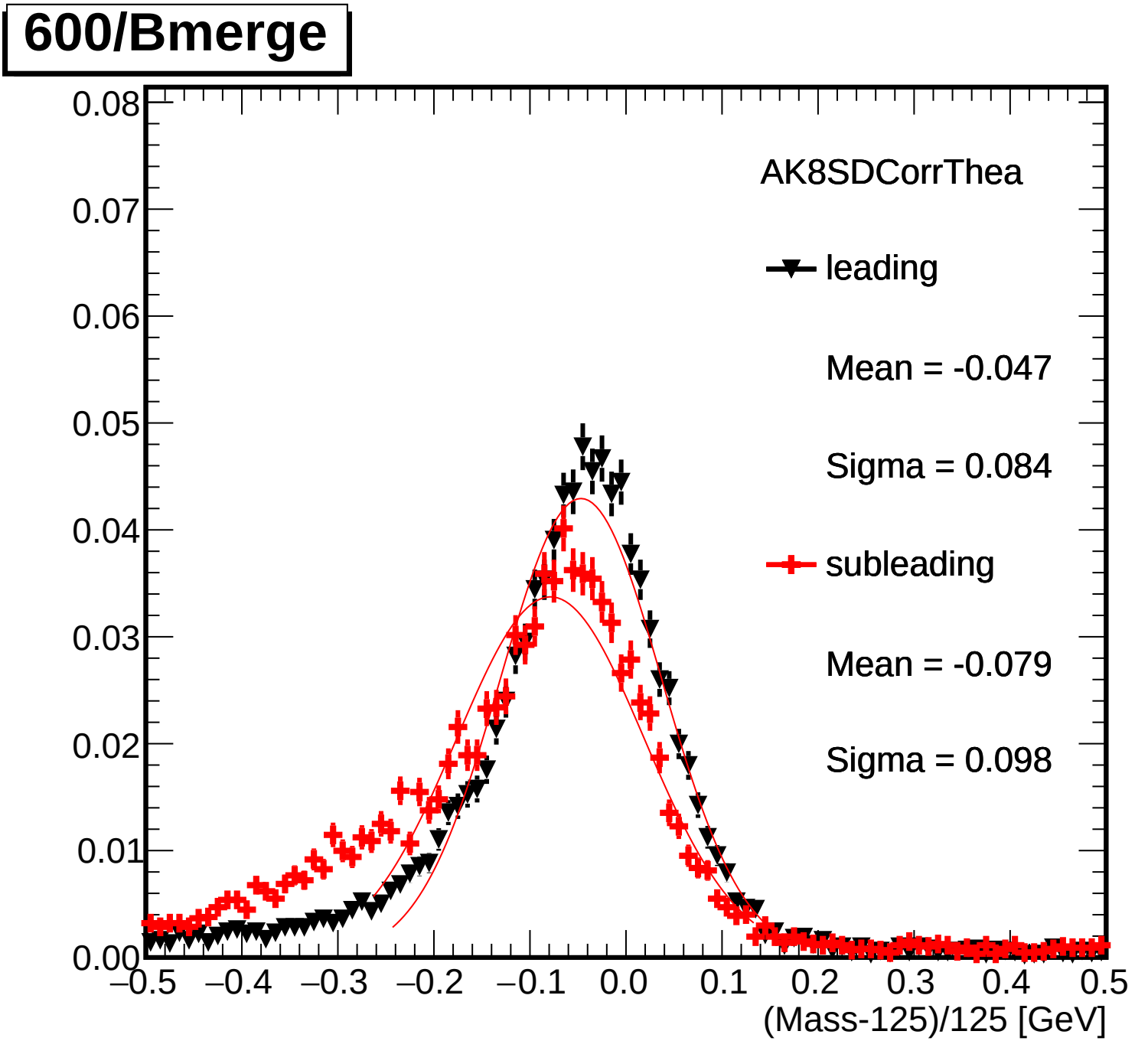

600/Bmerge
PRCorr
leading
subleading
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]

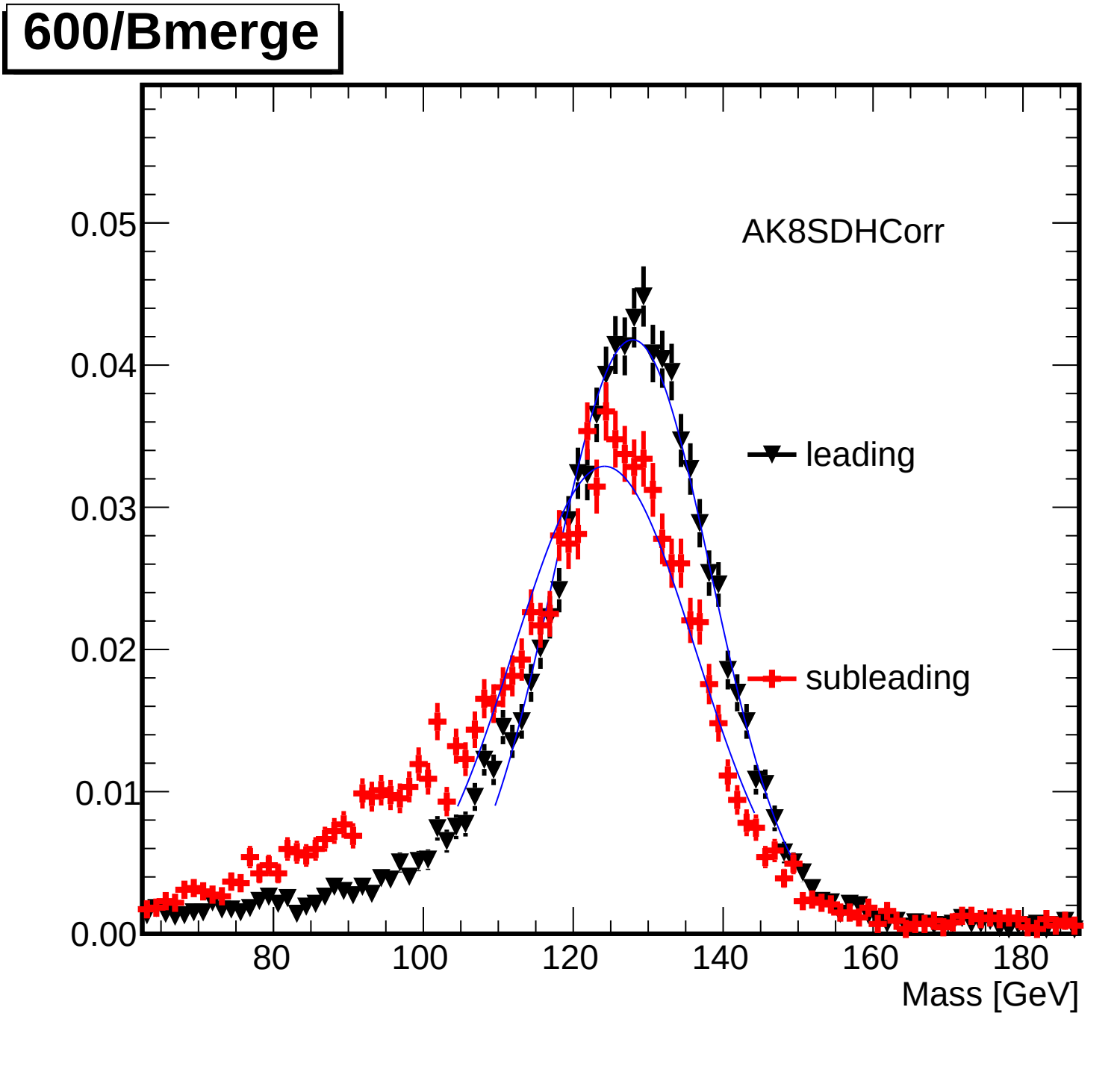

600/Bmerge
PRCorr
leading
Mean = -0.055
Sigma = 0.080
subleading
Mean = -0.084
Sigma = 0.094
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

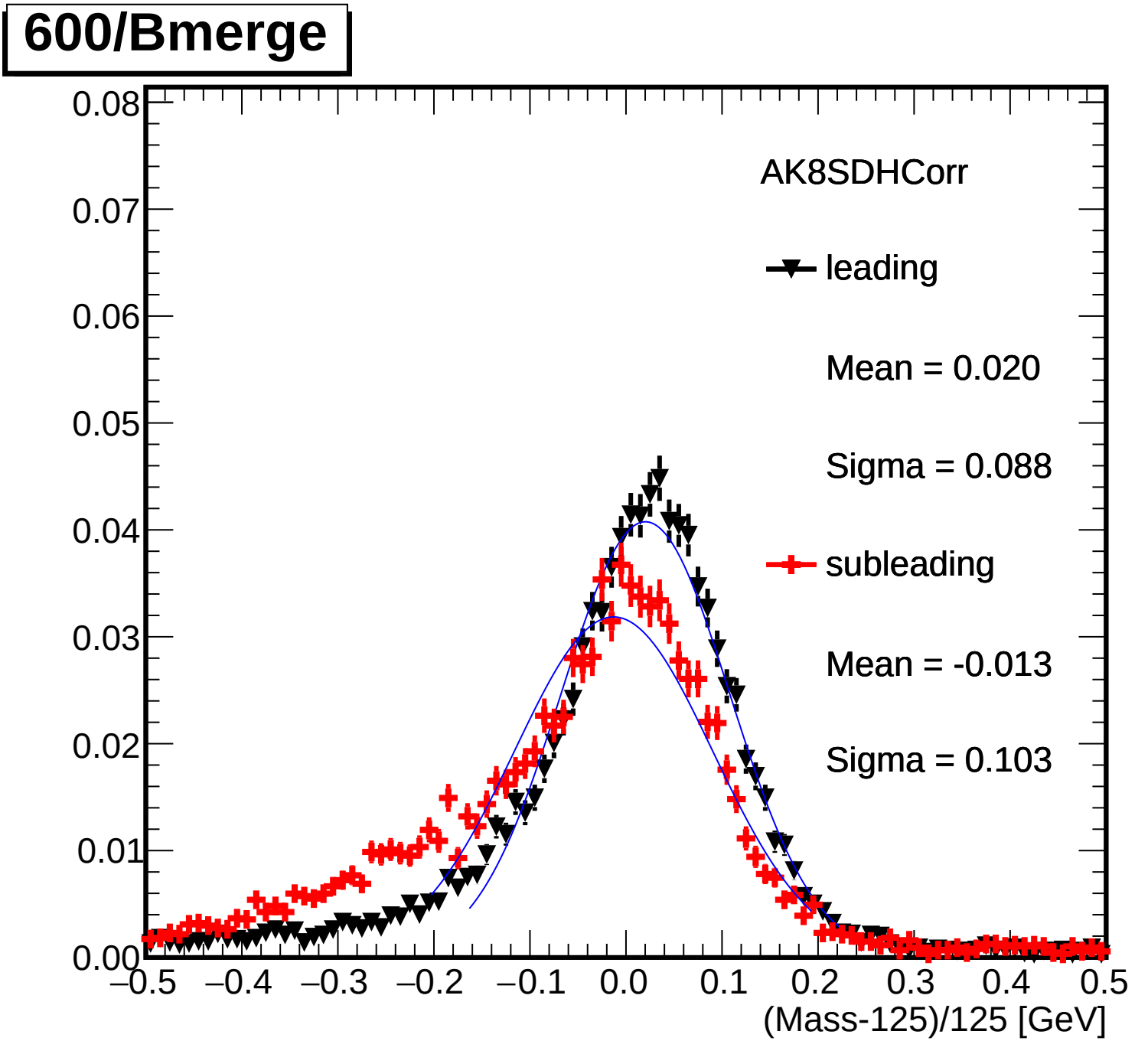

600/Bmerge
AK8SD
leading
subleading
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]


600/Bmerge
AK8SD
leading
Mean = -0.112
Sigma = 0.079
subleading
Mean = -0.143
Sigma = 0.094
0.08
0.07
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]


600/Bmerge
AK8SDCorrThea
leading
subleading
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]


600/Bmerge
AK8SDCorrThea
leading
Mean = -0.047
Sigma = 0.084
subleading
Mean = -0.079
Sigma = 0.098
0.08
0.07
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]


600/Bmerge
AK8SDHCorr
leading
subleading
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]


600/Bmerge
AK8SDHCorr
leading
Mean = 0.020
Sigma = 0.088
subleading
Mean = -0.013
Sigma = 0.103
0.08
0.07
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]