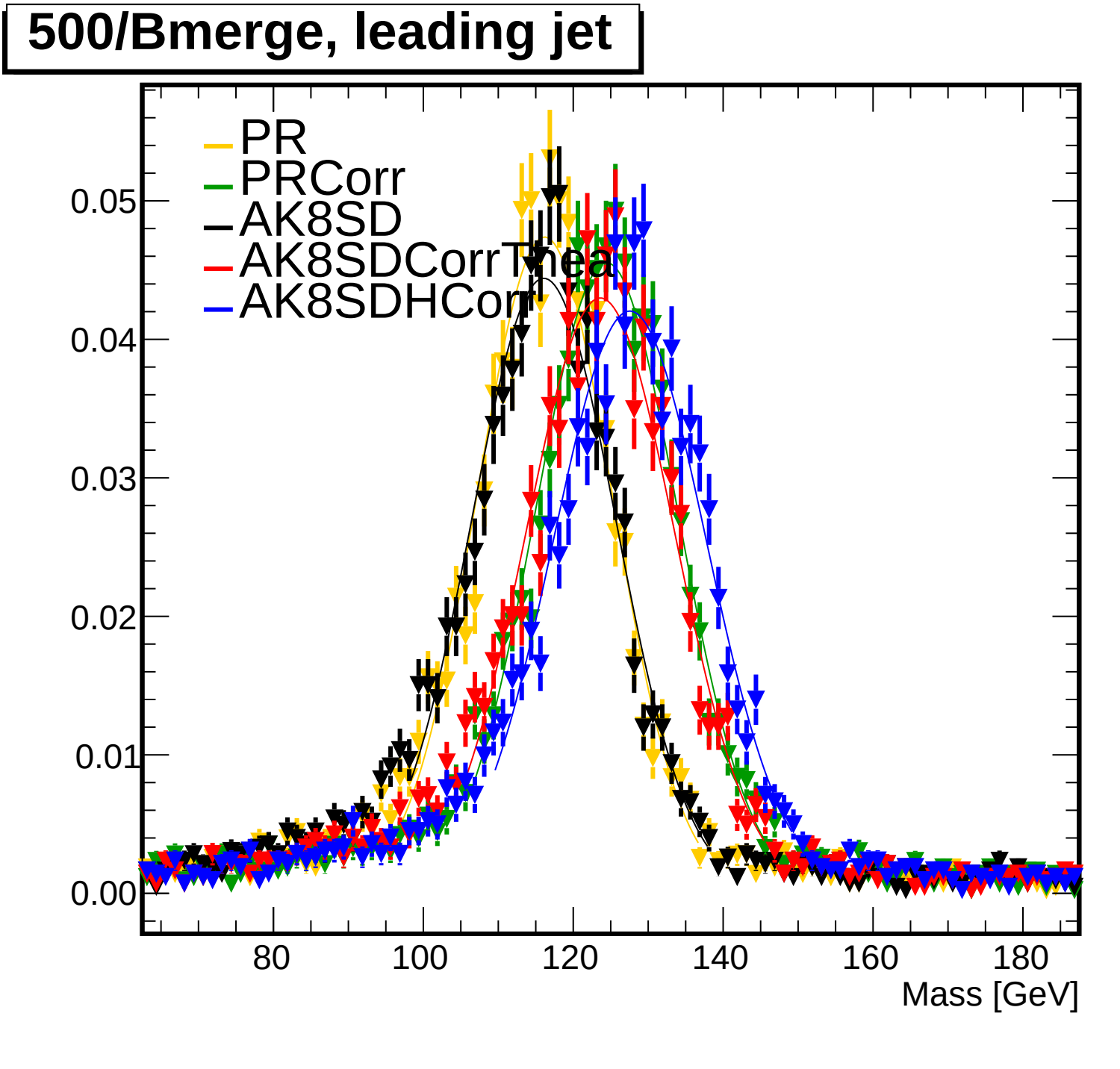
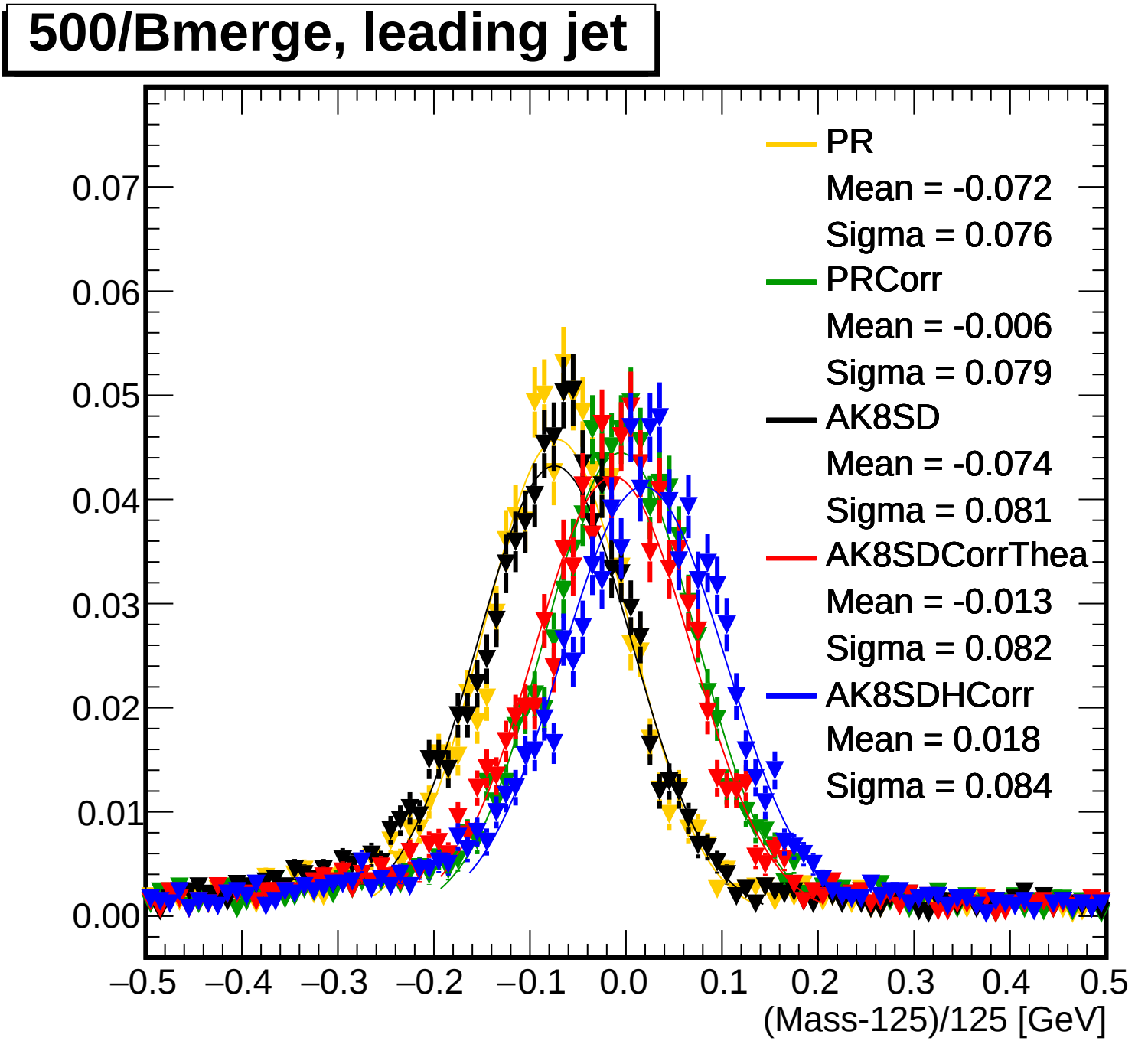
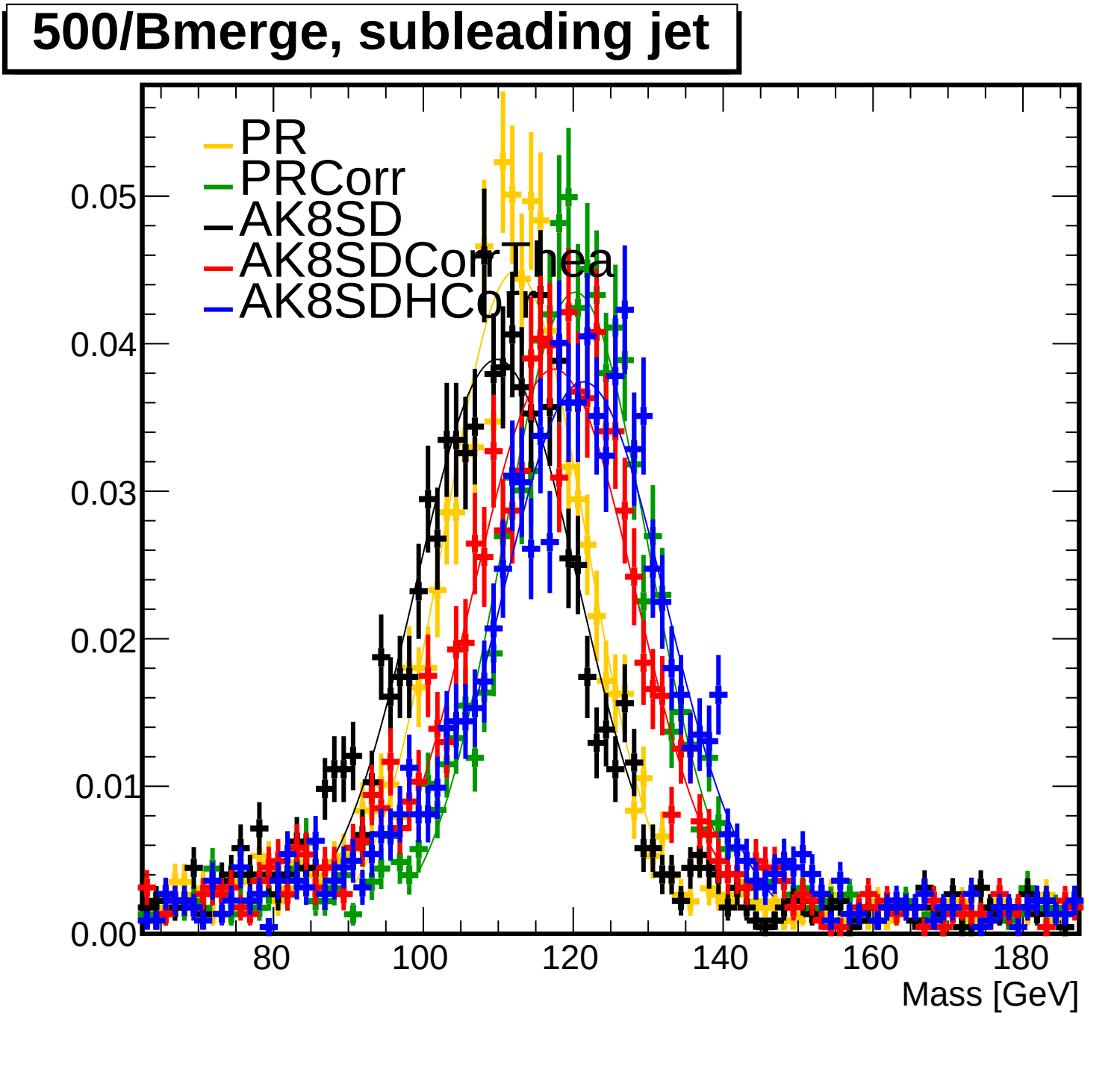
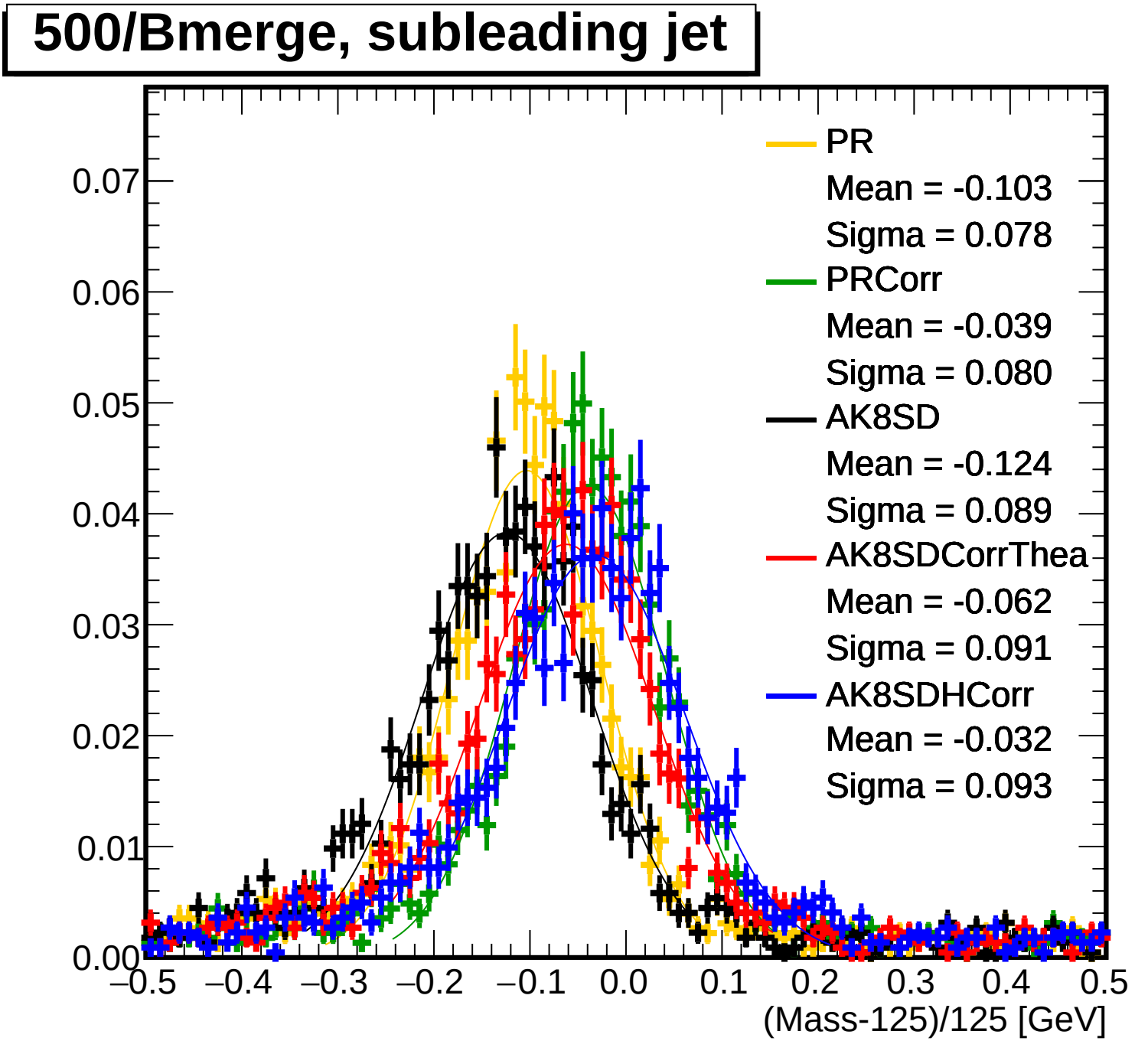
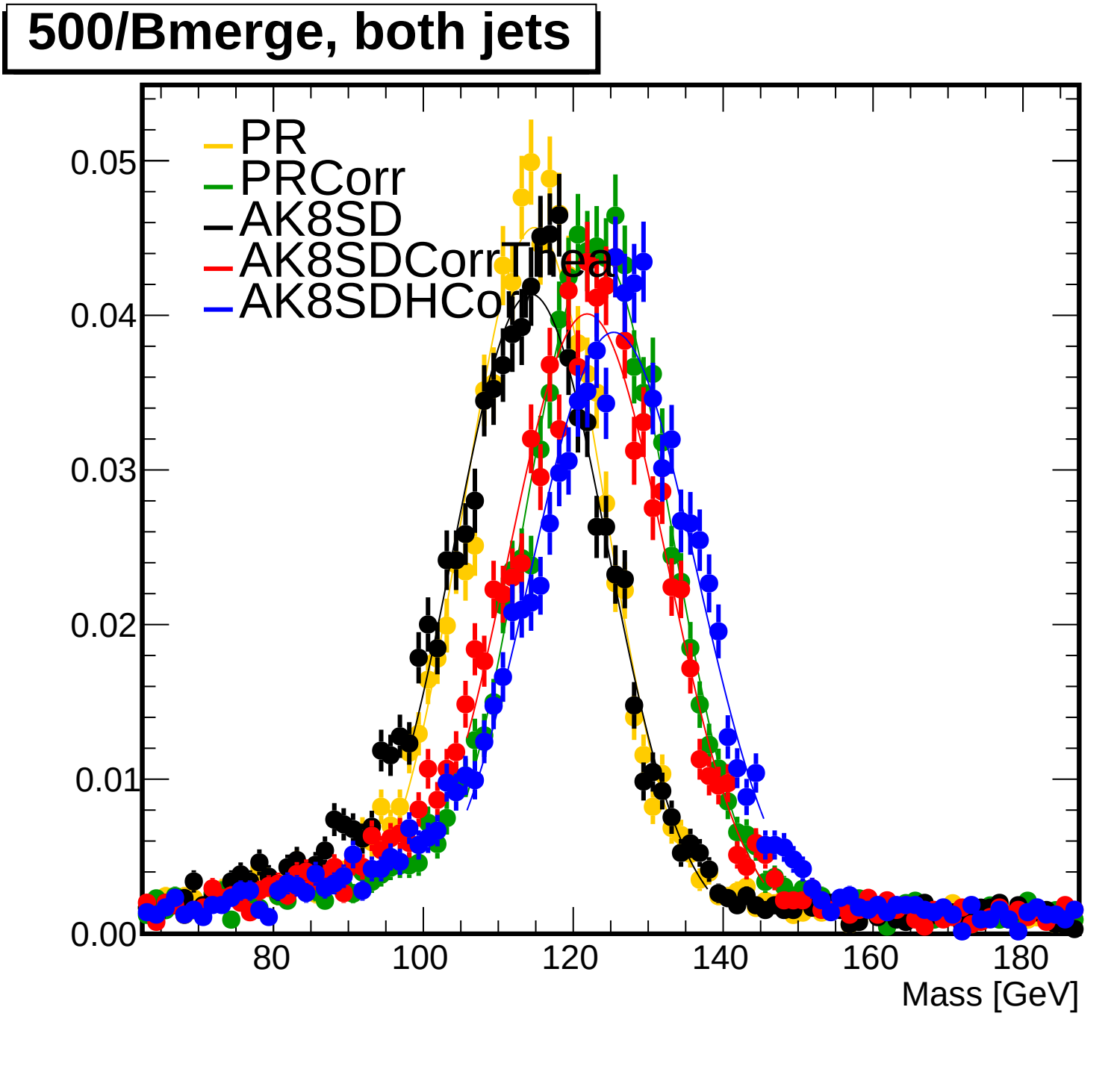
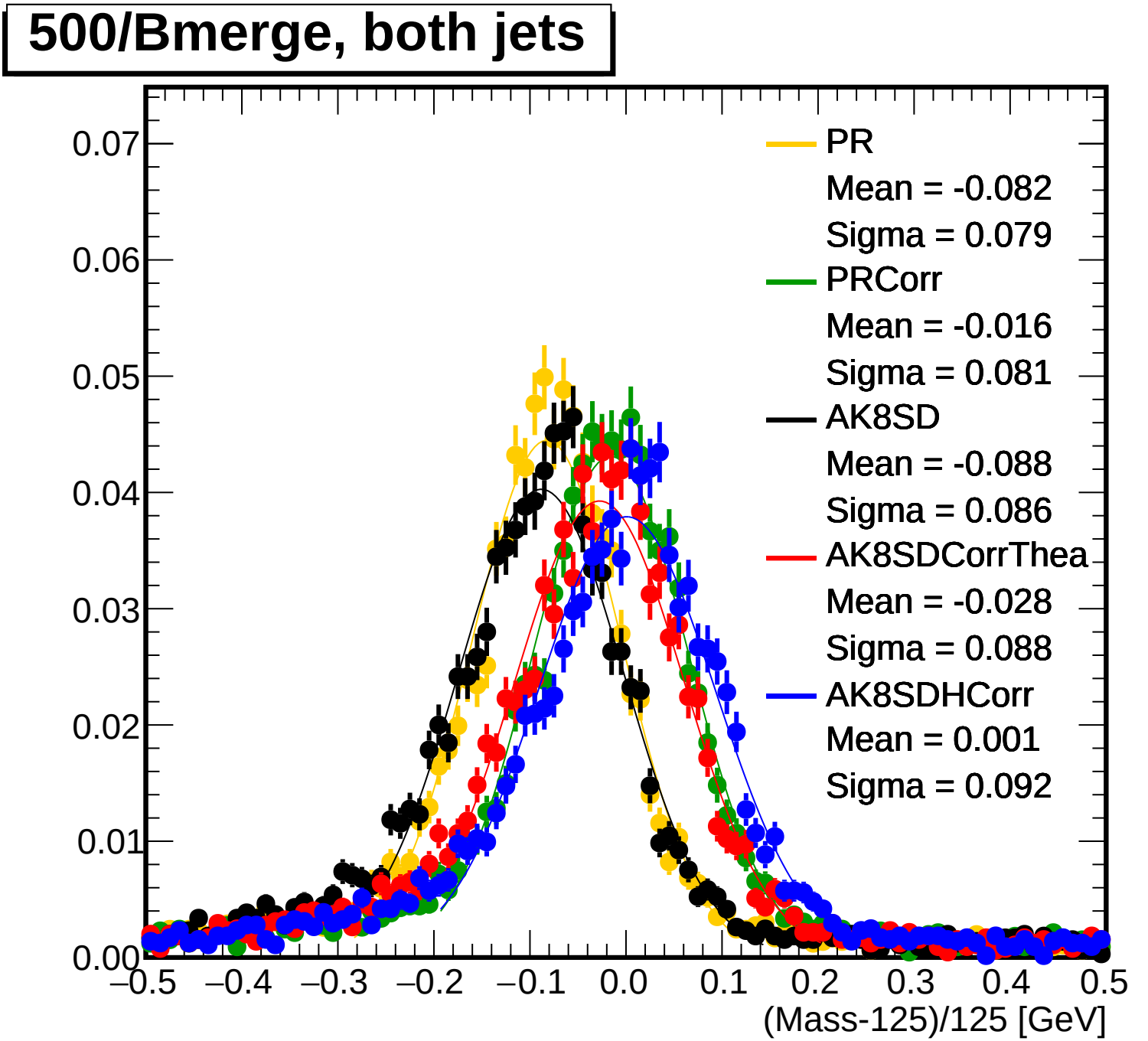

500/Bmerge, leading jet
PR
PRCorr
AK8SD
AK8SDCorrThea
AK8SDHCorr
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]

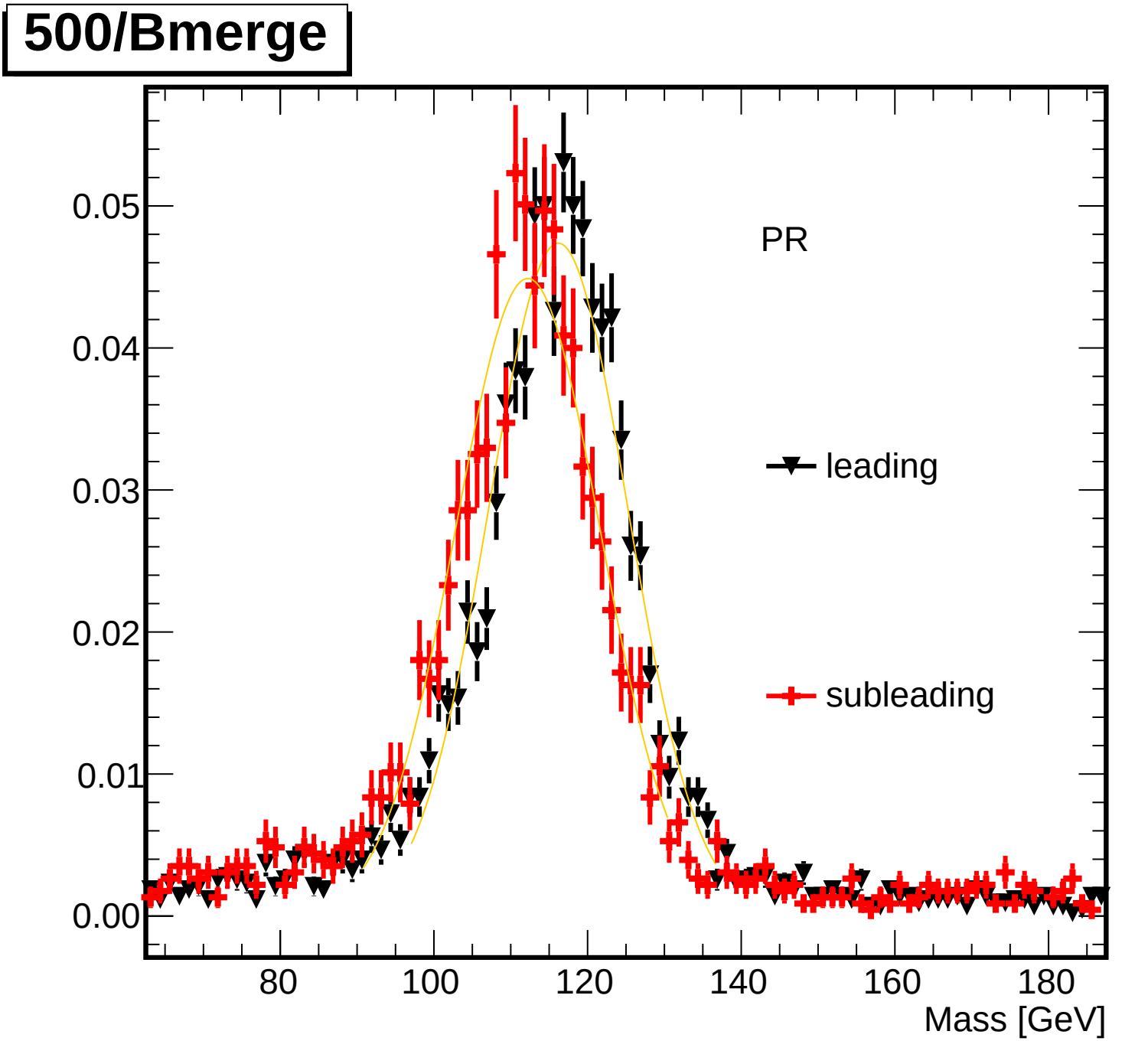

500/Bmerge, leading jet
PR
Mean = -0.072
Sigma = 0.076
PRCorr
Mean = -0.006
Sigma = 0.079
AK8SD
Mean = -0.074
Sigma = 0.081
AK8SDCorrThea
Mean = -0.013
Sigma = 0.082
AK8SDHCorr
Mean = 0.018
Sigma = 0.084
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

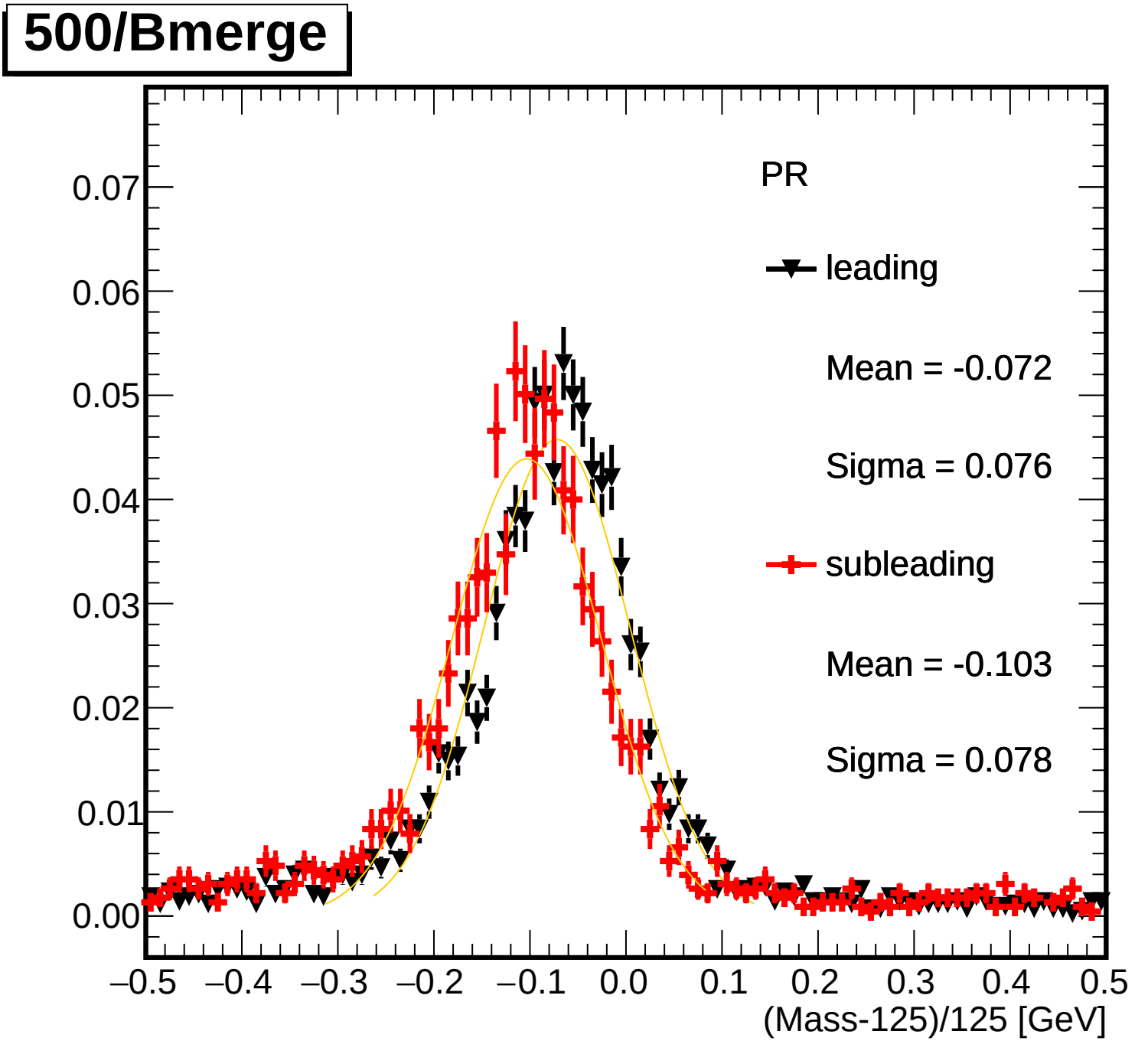

500/Bmerge, subleading jet
PR
PRCorr
AK8SD
AK8SDCorrThea
AK8SDHCorr
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]

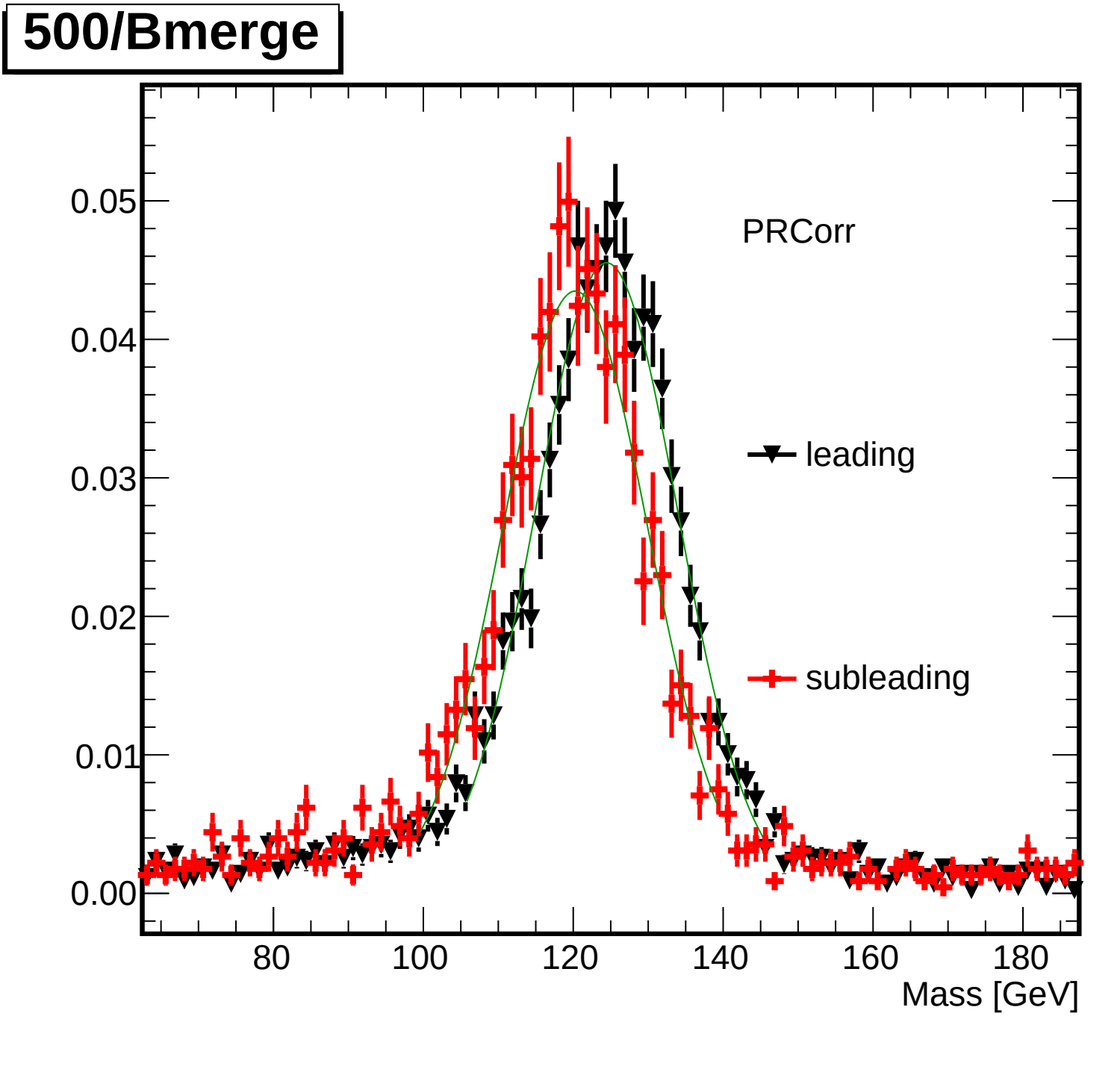

500/Bmerge, subleading jet
PR
Mean = -0.103
Sigma = 0.078
PRCorr
Mean = -0.039
Sigma = 0.080
AK8SD
Mean = -0.124
Sigma = 0.089
AK8SDCorrThea
Mean = -0.062
Sigma = 0.091
AK8SDHCorr
Mean = -0.032
Sigma = 0.093
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

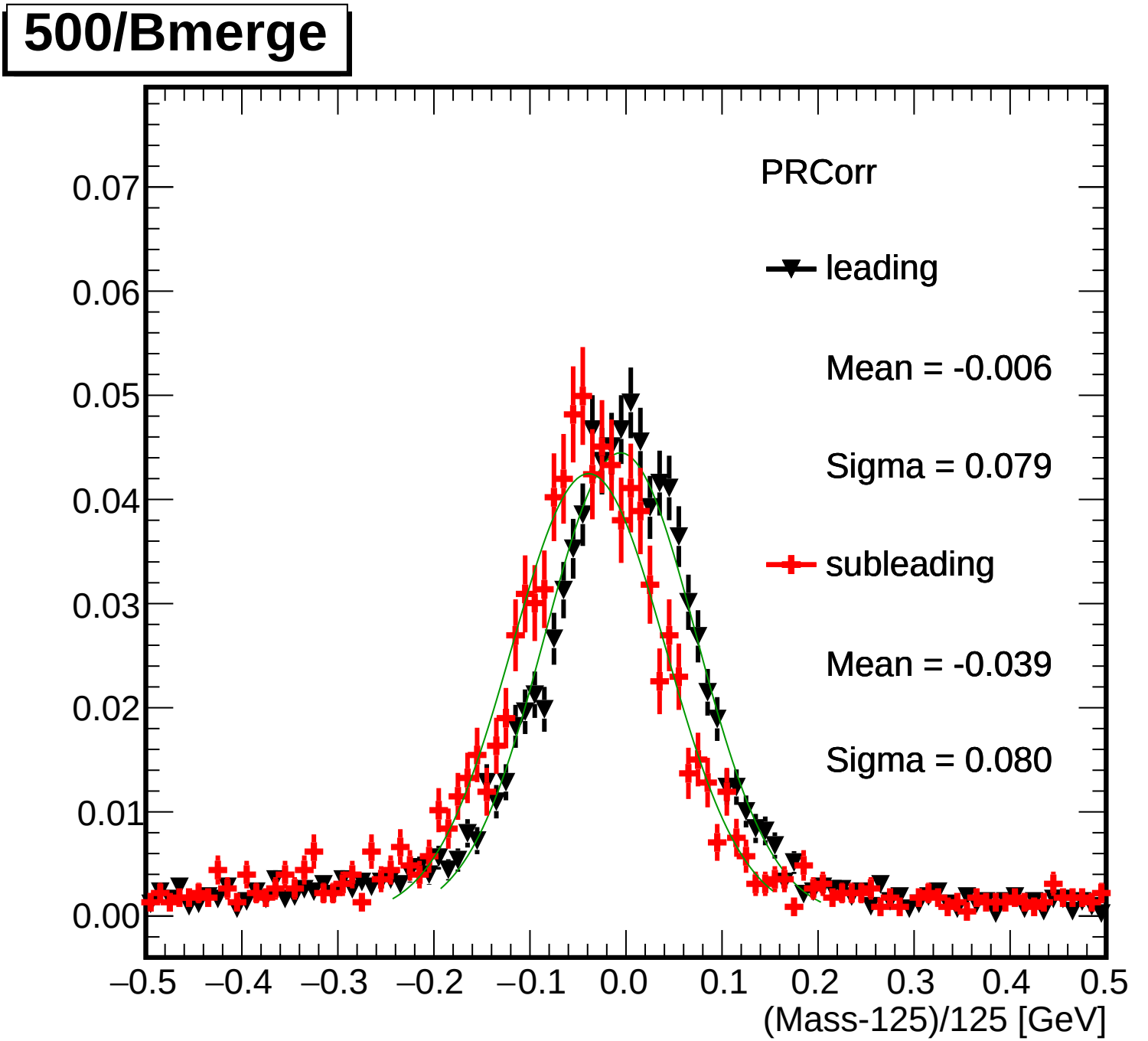

500/Bmerge, both jets
PR
PRCorr
AK8SD
AK8SDCorrTrhea
AK8SDHCorr
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]

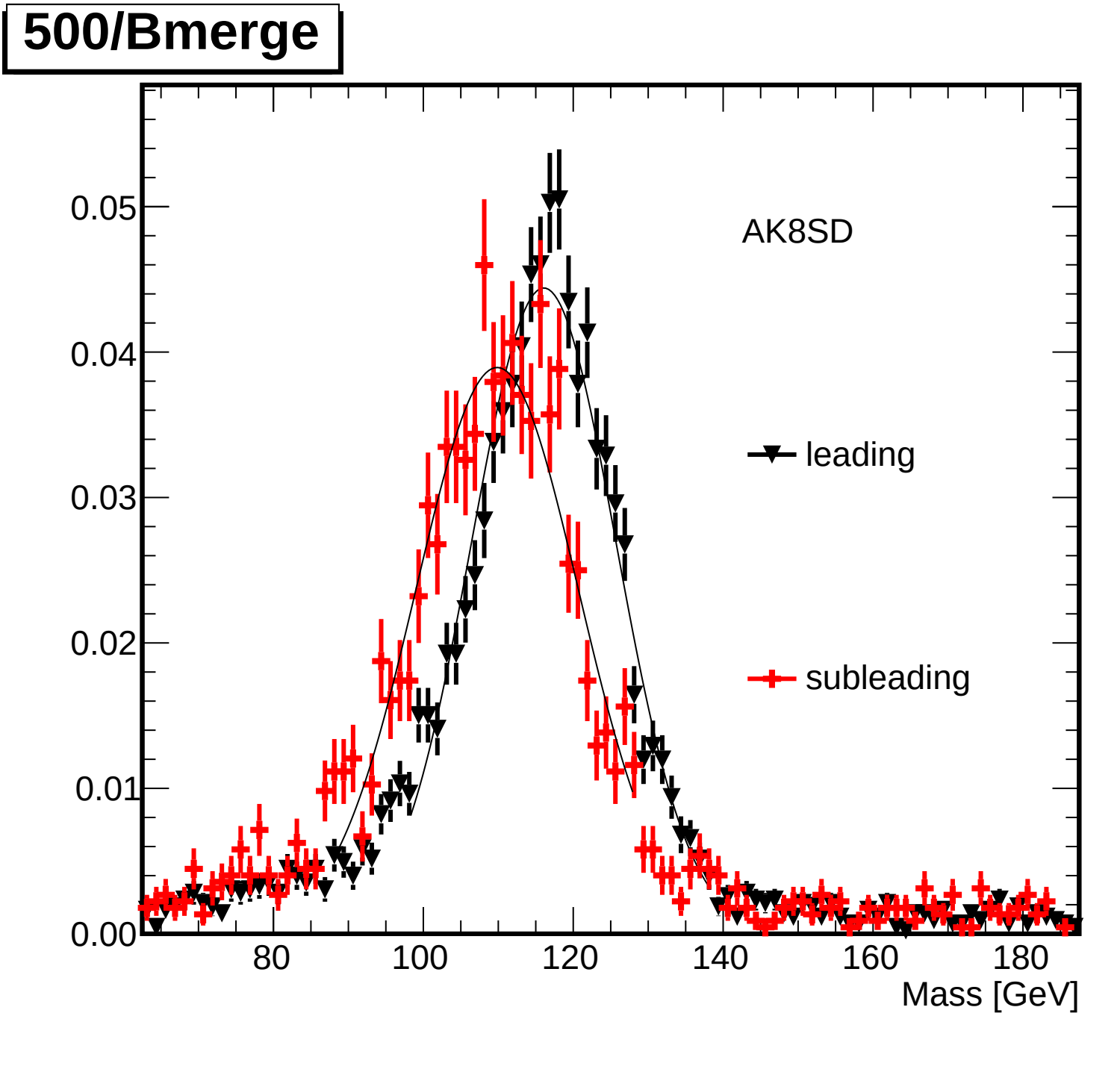

500/Bmerge, both jets
PR
Mean = -0.082
Sigma = 0.079
PRCorr
Mean = -0.016
Sigma = 0.081
AK8SD
Mean = -0.088
Sigma = 0.086
AK8SDCorrThea
Mean = -0.028
Sigma = 0.088
AK8SDHCorr
Mean = 0.001
Sigma = 0.092
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

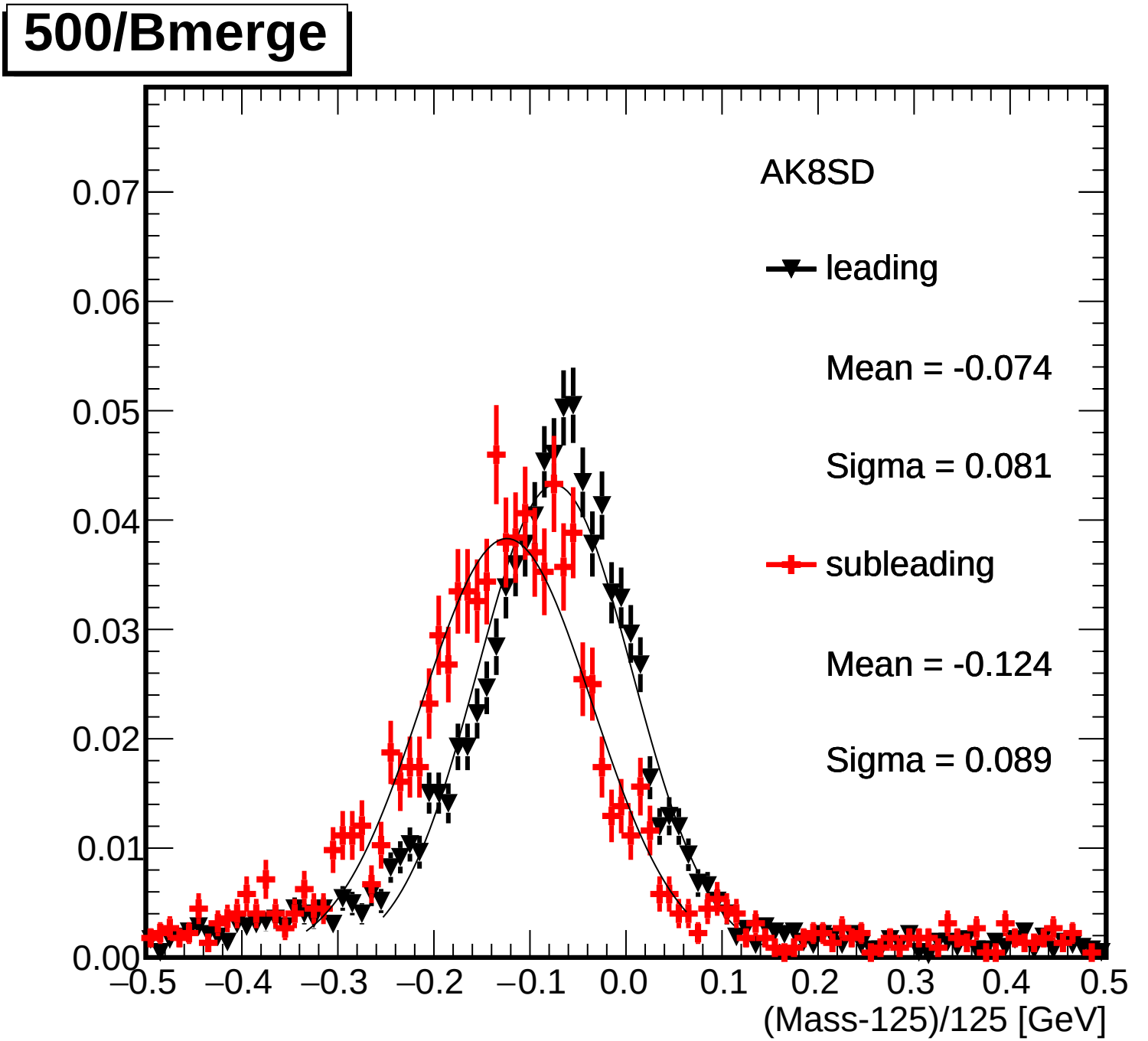

500/Bmerge
PR
leading
subleading
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]

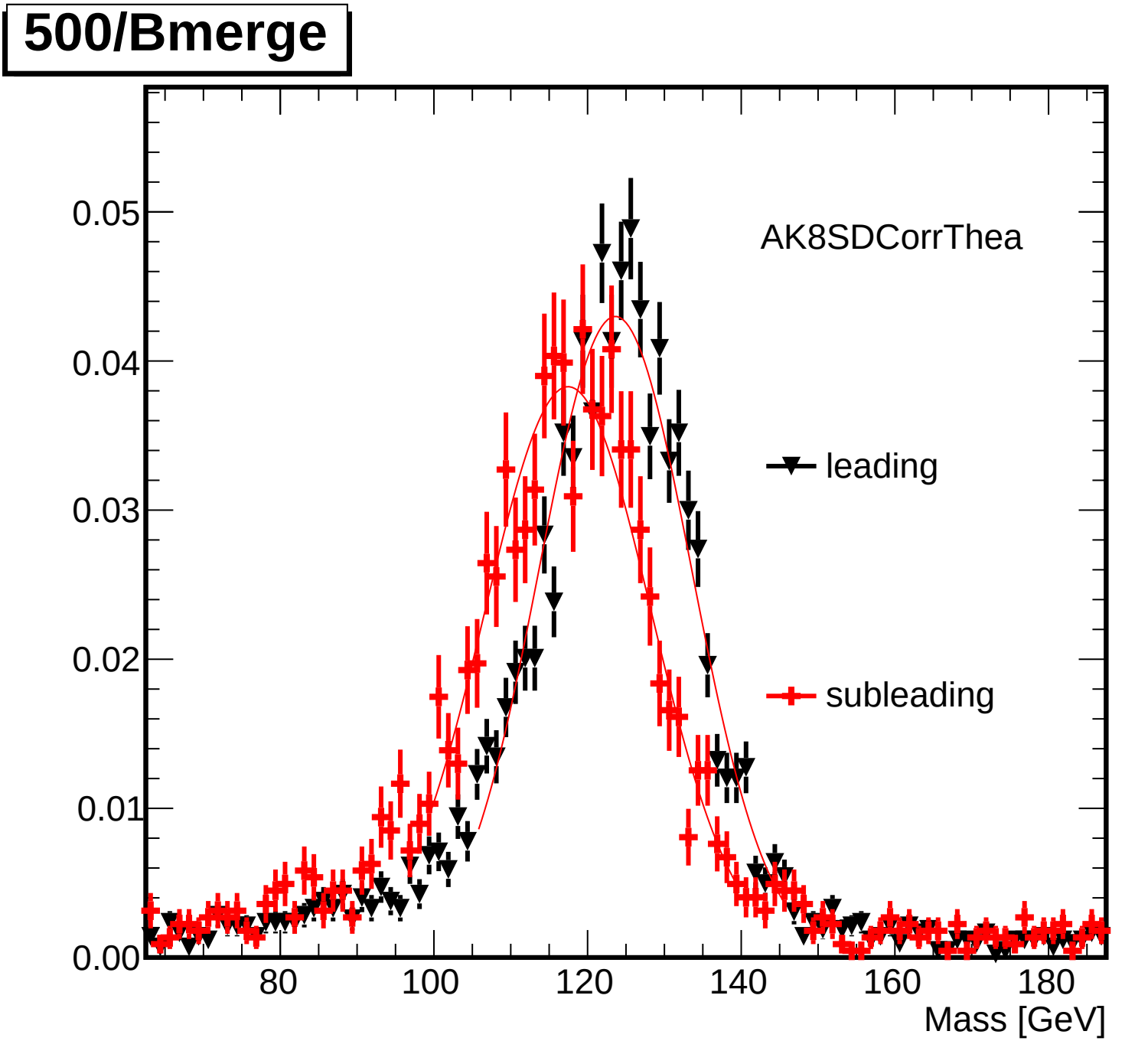

500/Bmerge
PR
leading
Mean = -0.072
Sigma = 0.076
subleading
Mean = -0.103
Sigma = 0.078
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

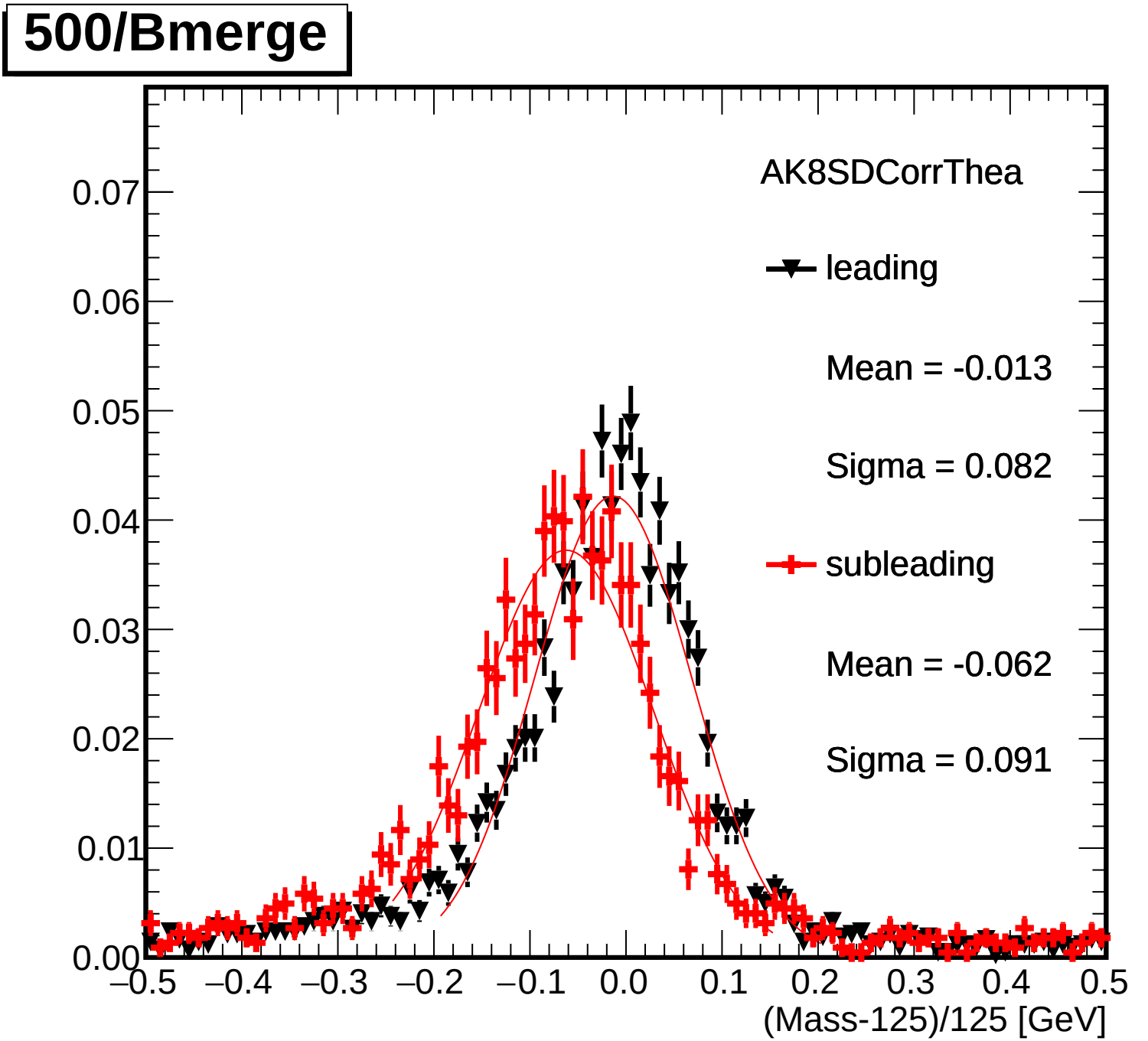

500/Bmerge
PRCorr
leading
subleading
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]

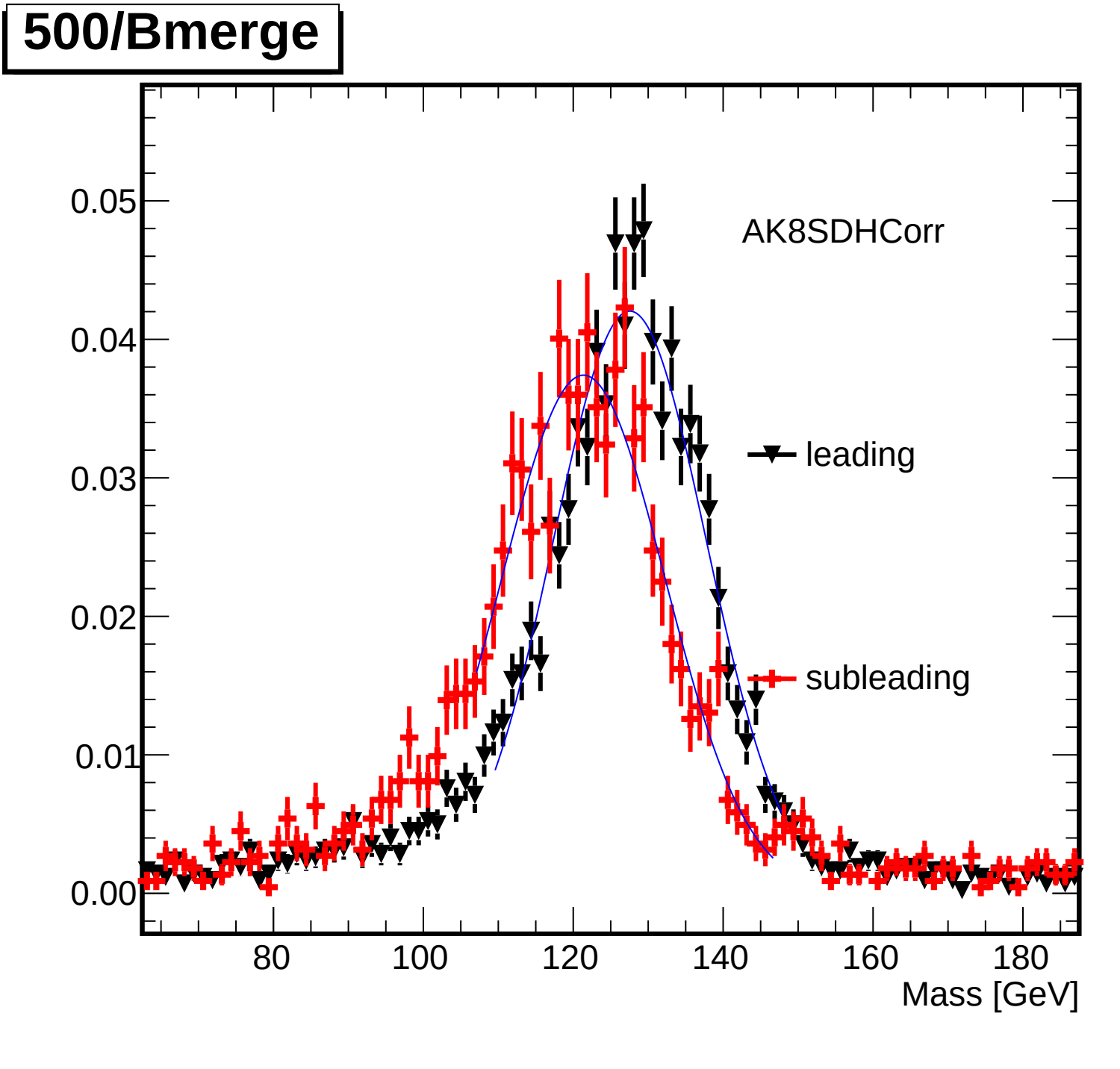

500/Bmerge
PRCorr
leading
Mean = -0.006
Sigma = 0.079
subleading
Mean = -0.039
Sigma = 0.080
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

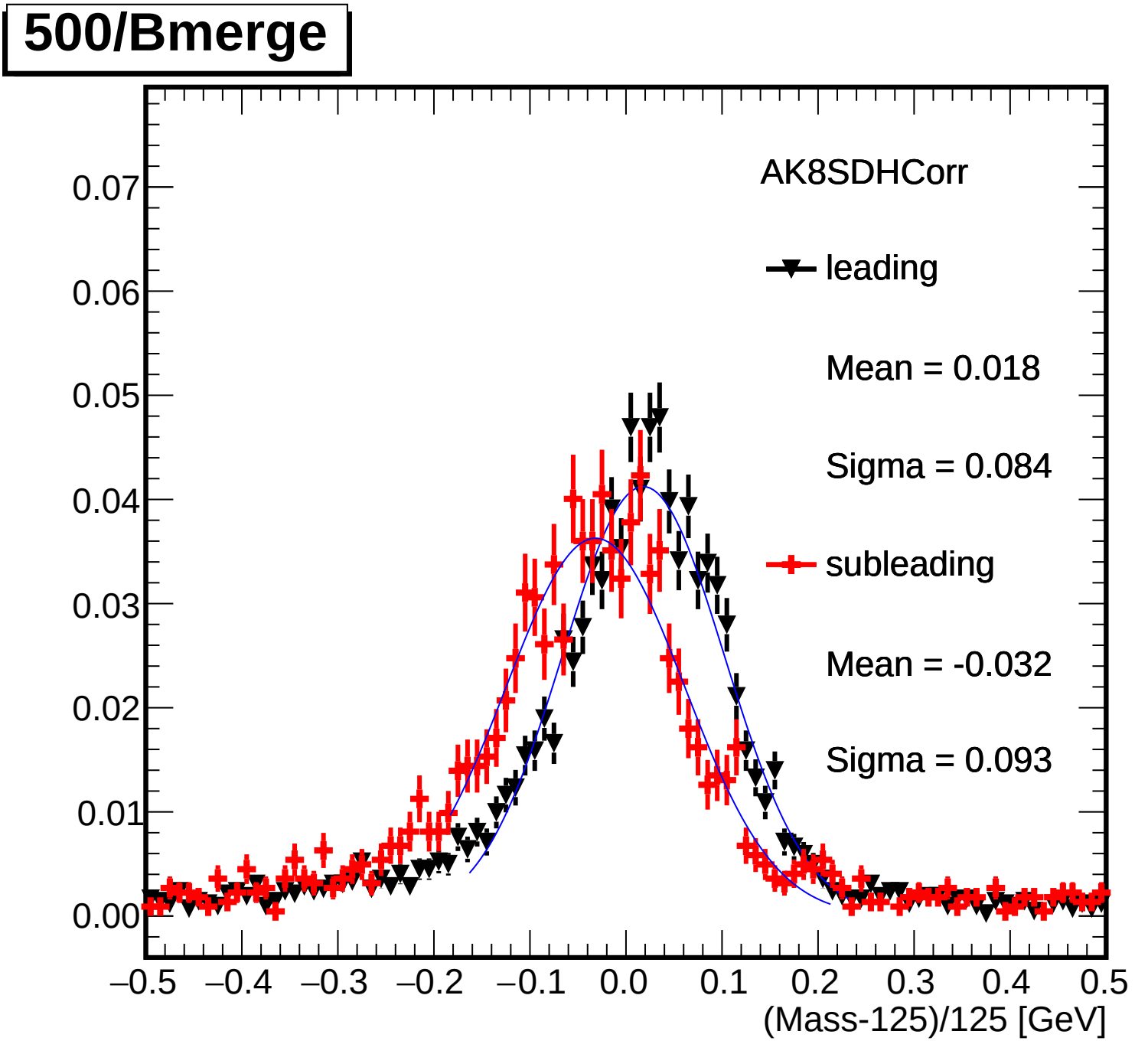

500/Bmerge
AK8SD
leading
subleading
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]


500/Bmerge
AK8SD
leading
Mean = -0.074
Sigma = 0.081
subleading
Mean = -0.124
Sigma = 0.089
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]


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


500/Bmerge
AK8SDCorrThea
leading
Mean = -0.013
Sigma = 0.082
subleading
Mean = -0.062
Sigma = 0.091
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]


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


500/Bmerge
AK8SDHCorr
leading
Mean = 0.018
Sigma = 0.084
subleading
Mean = -0.032
Sigma = 0.093
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]