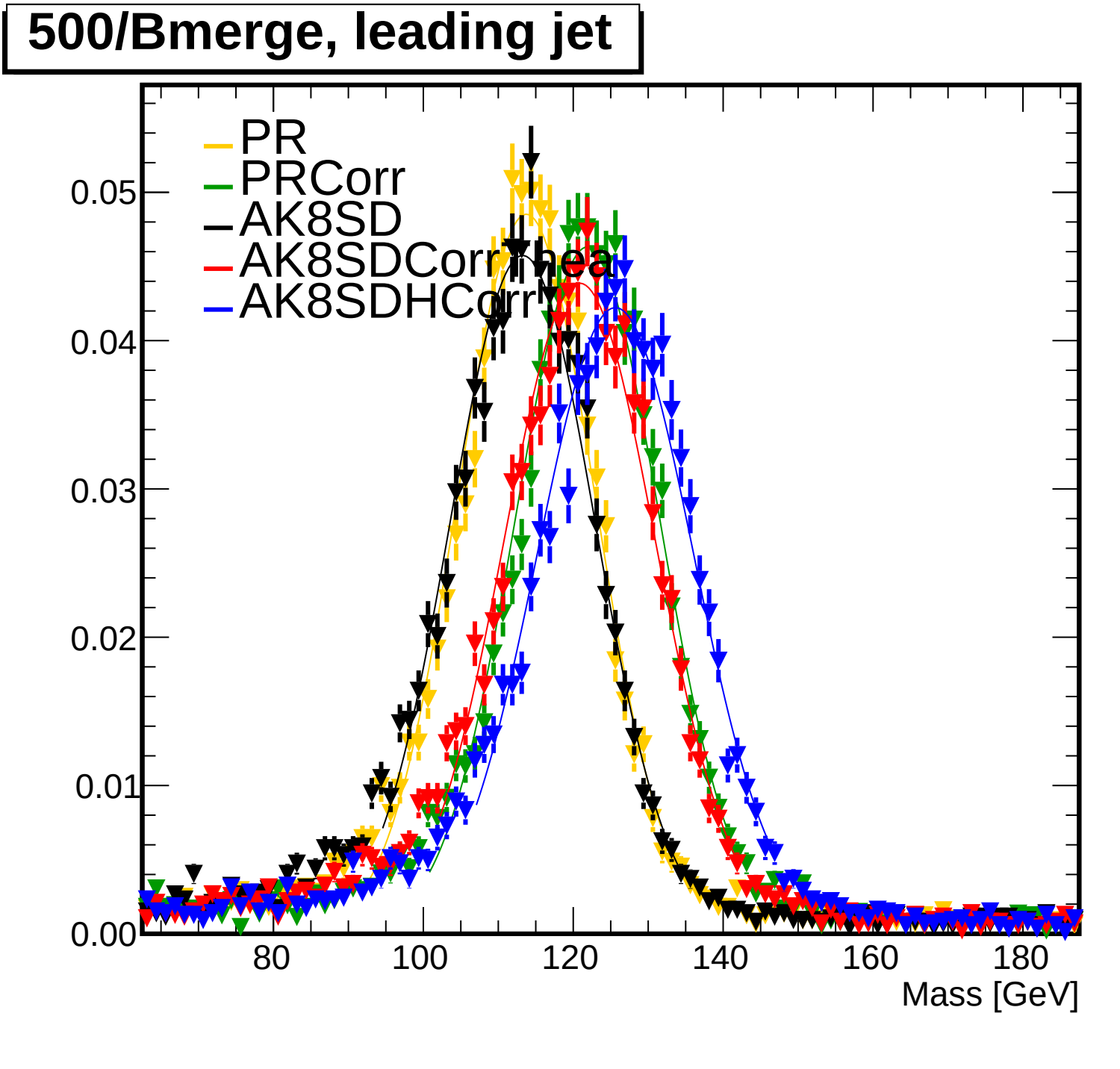
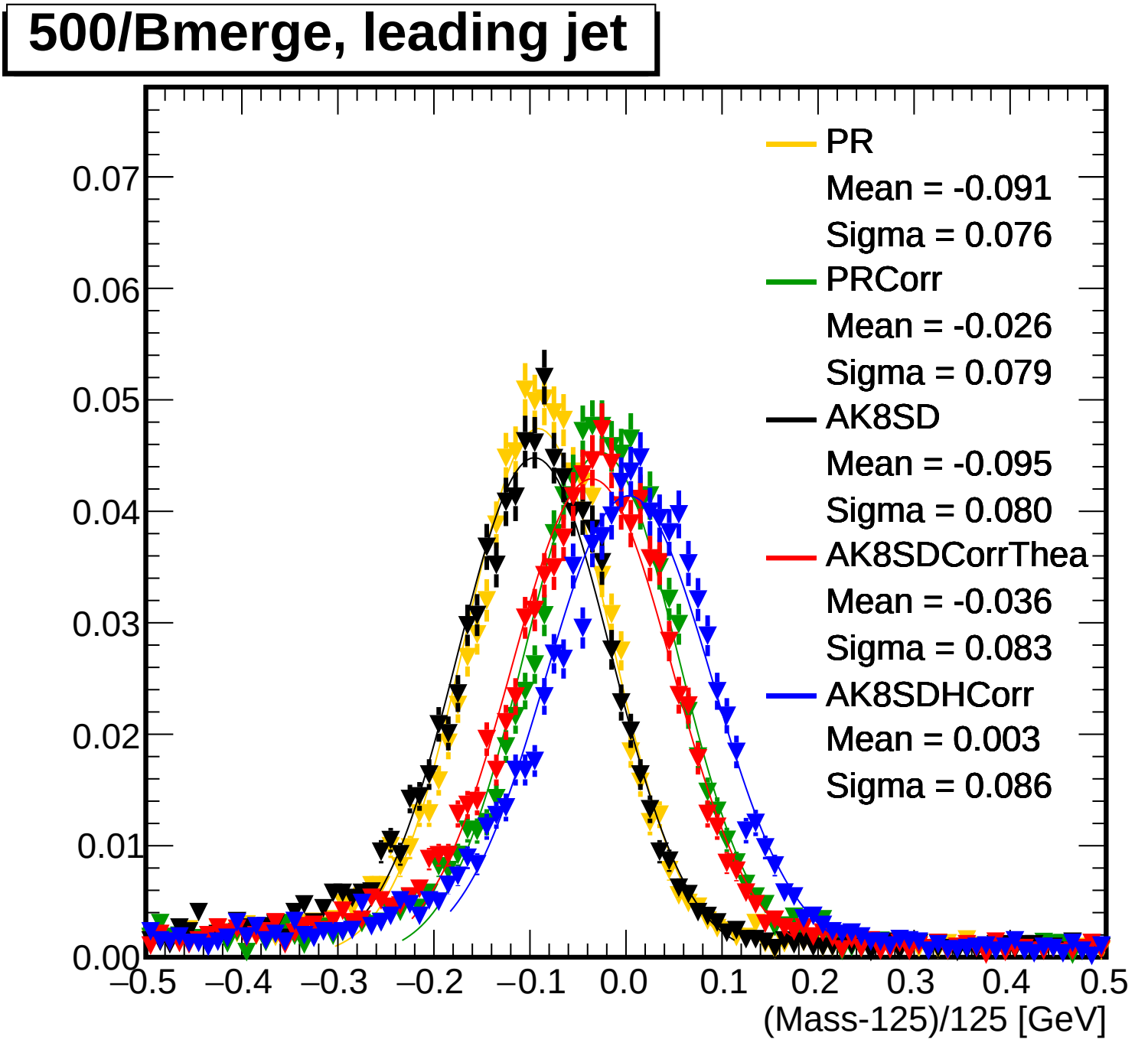
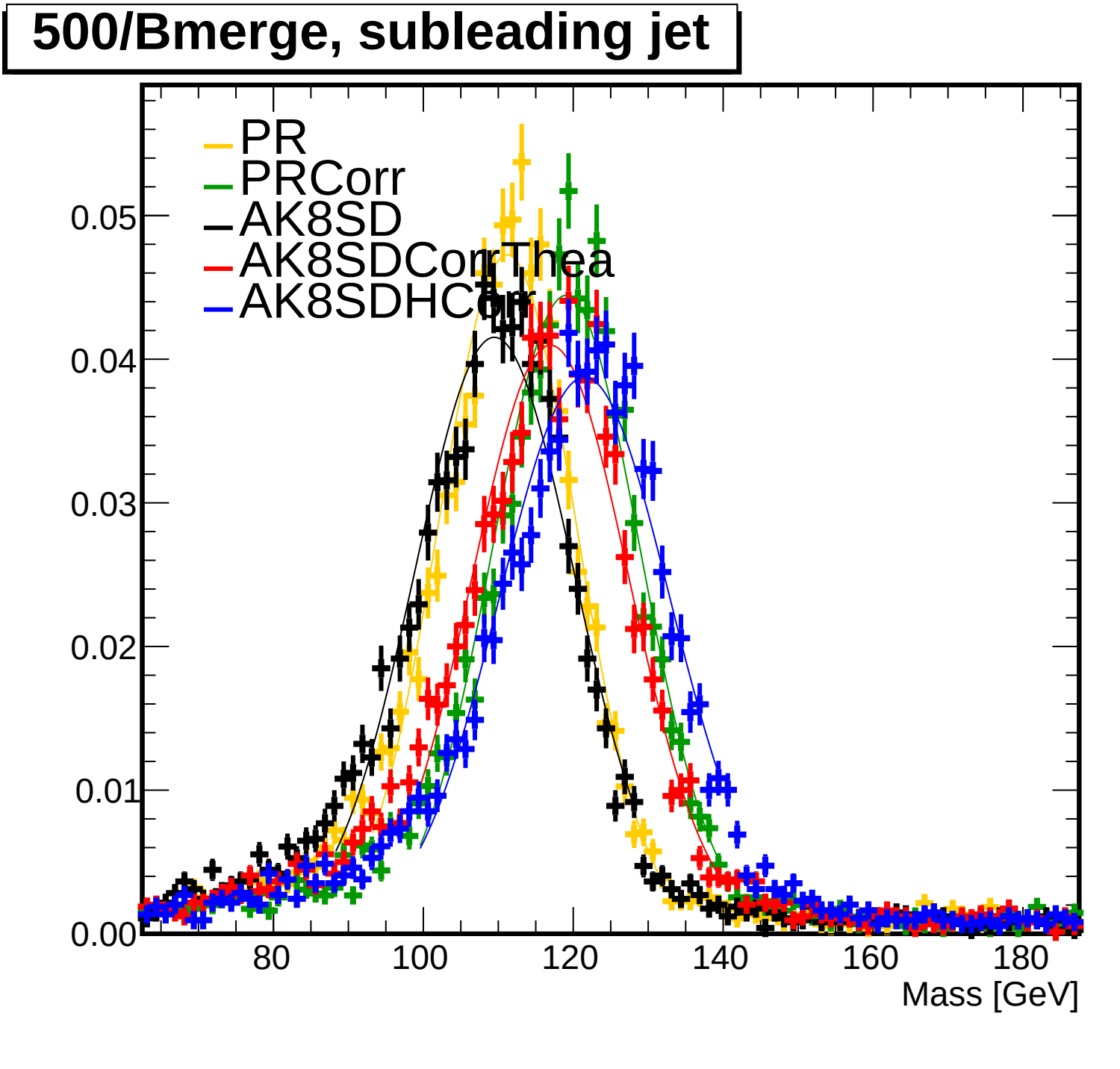
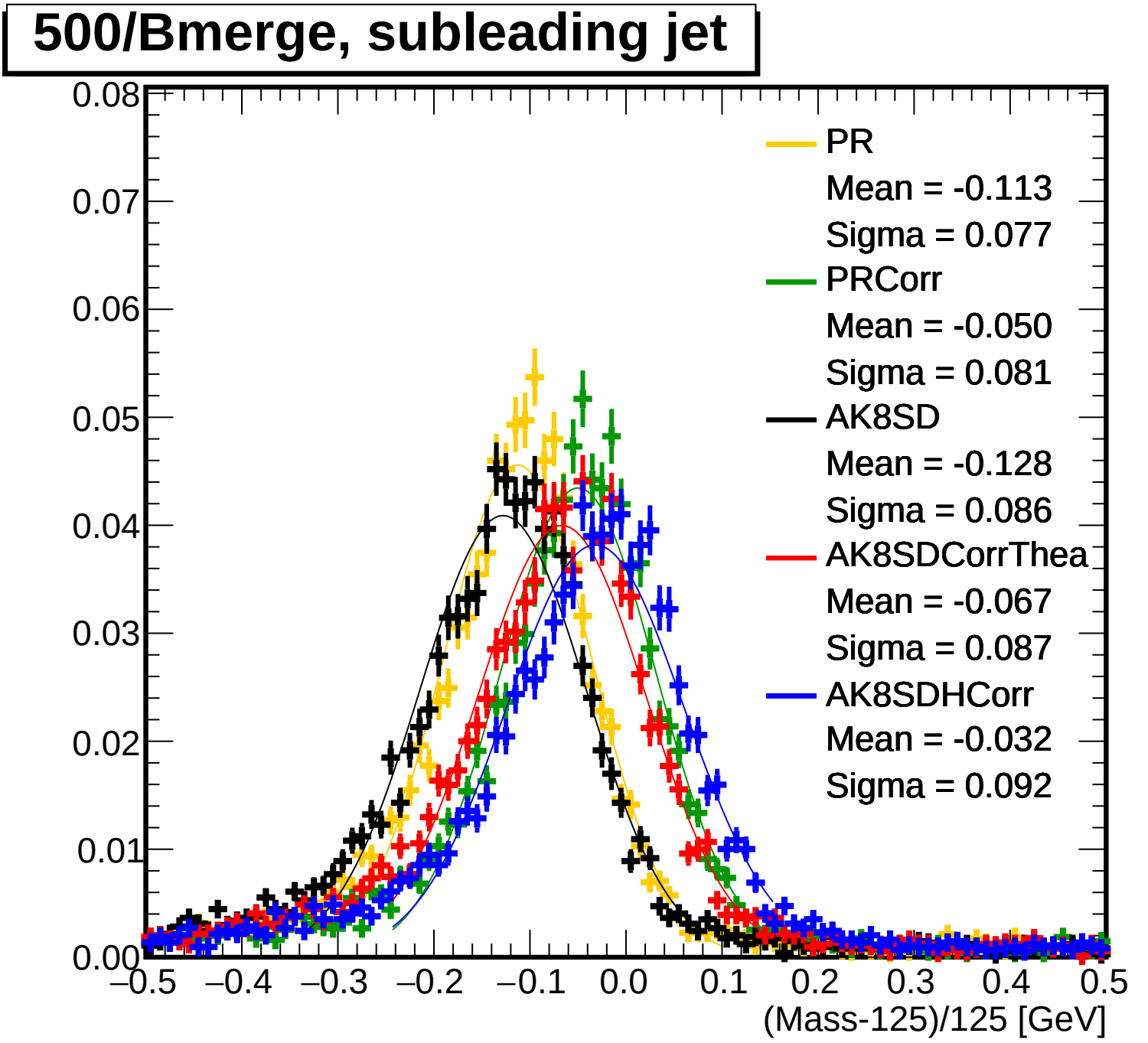
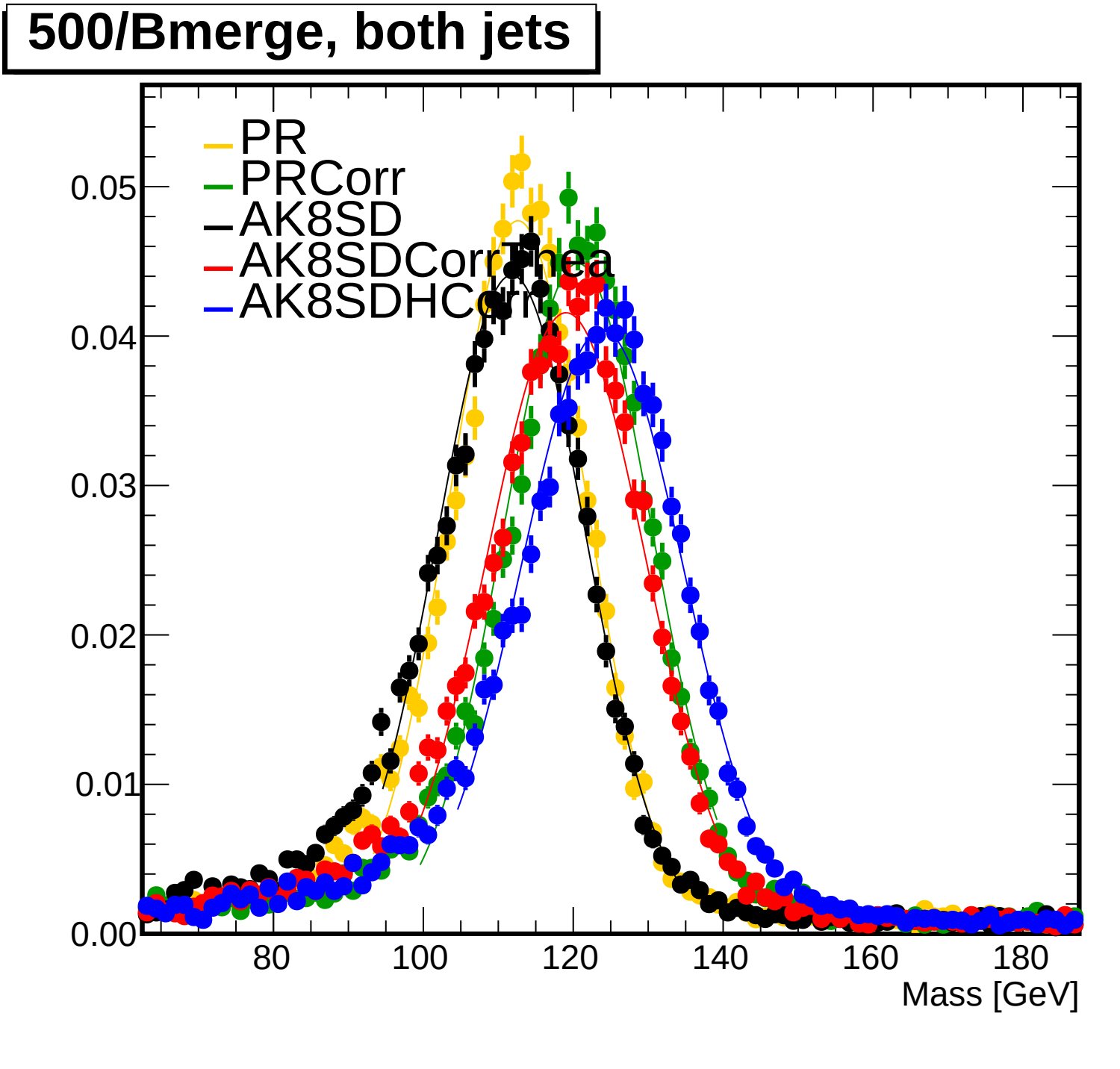
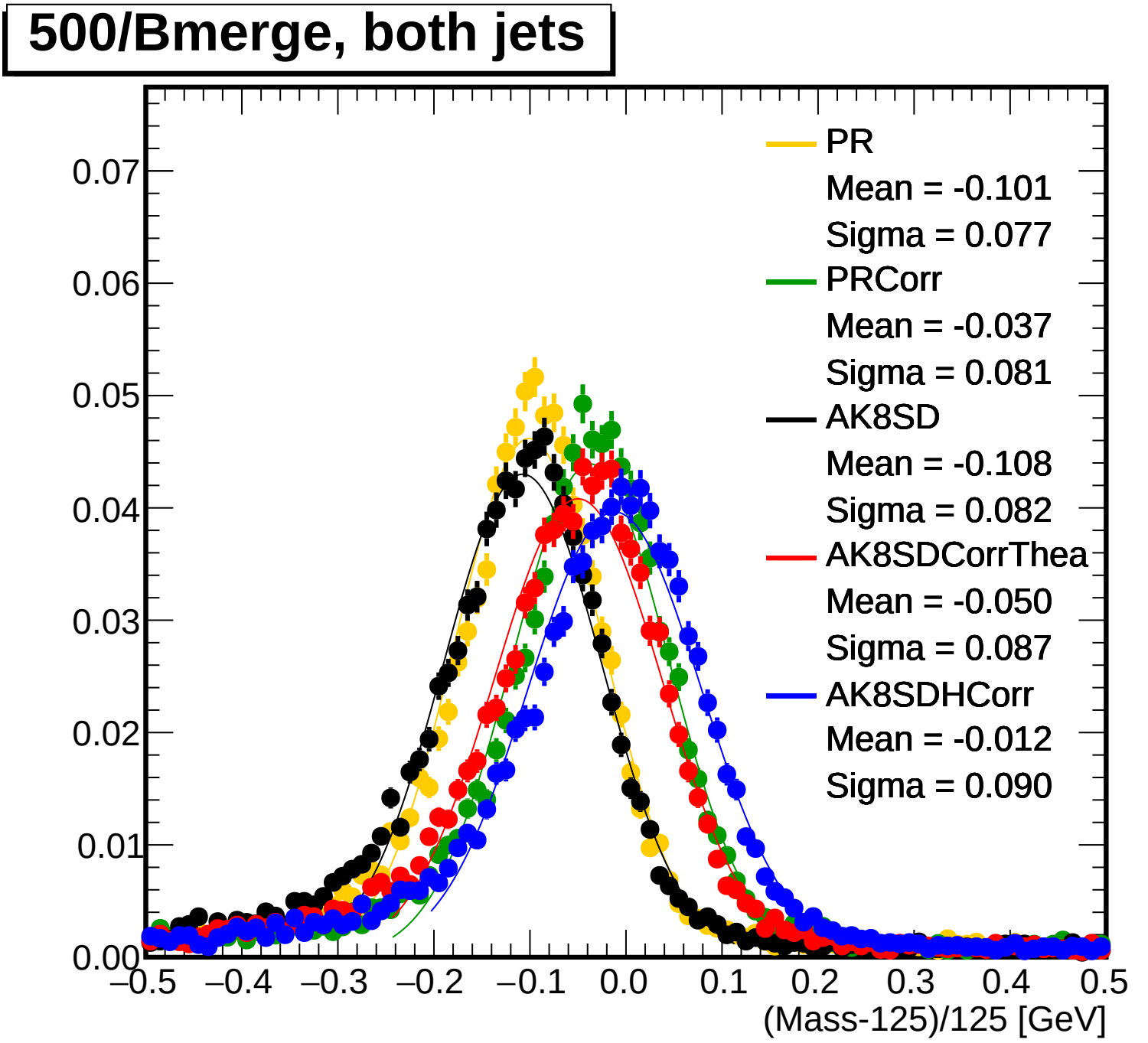

500/Bmerge, leading jet
PR
PRCorr
AK8SD
AK8SDCorr
AK8SDHCorr
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]

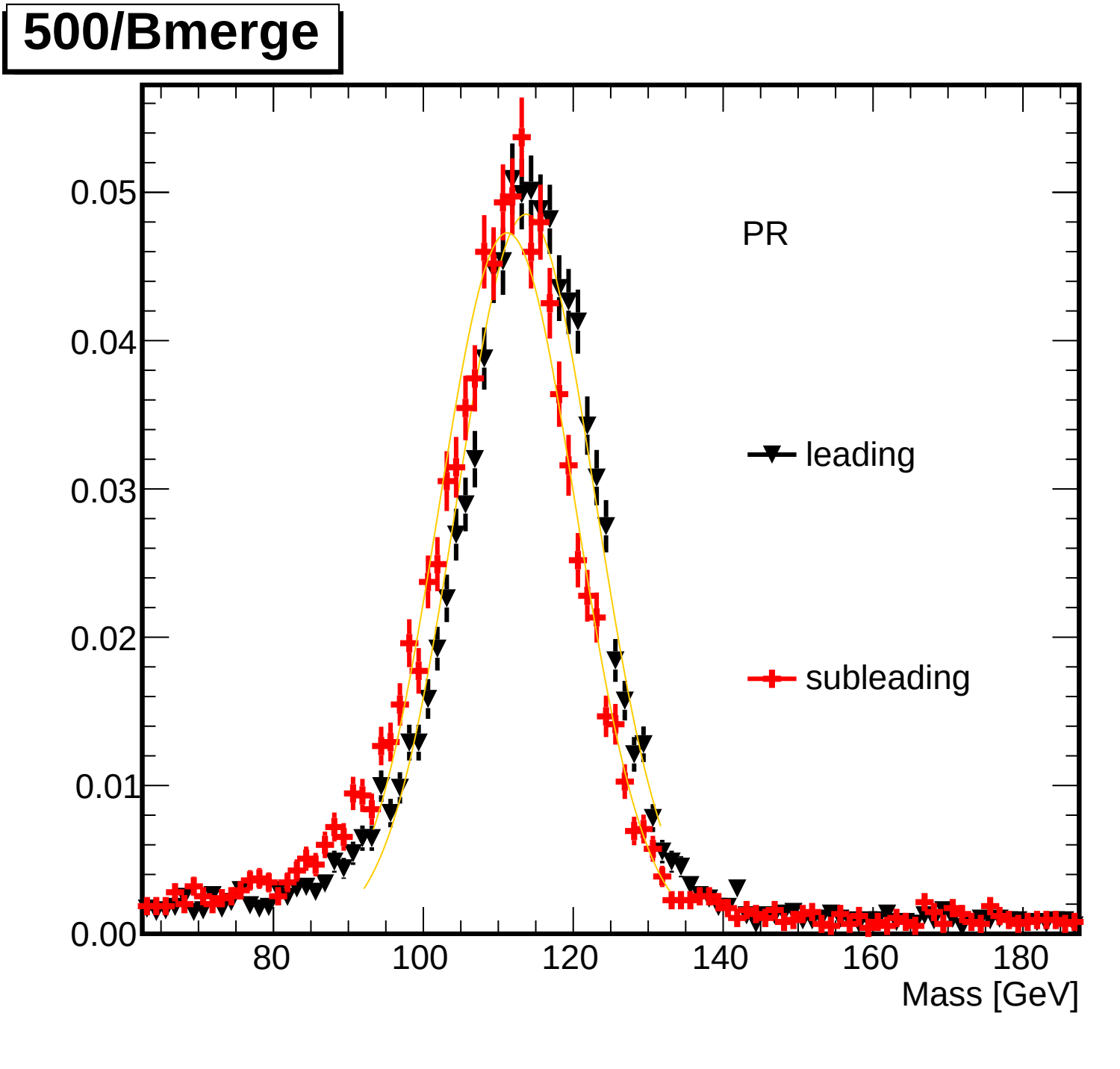

500/Bmerge, leading jet
PR
Mean = -0.091
Sigma = 0.076
PRCorr
Mean = -0.026
Sigma = 0.079
AK8SD
Mean = -0.095
Sigma = 0.080
AK8SDCorrThea
Mean = -0.036
Sigma = 0.083
AK8SDHCorr
Mean = 0.003
Sigma = 0.086
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

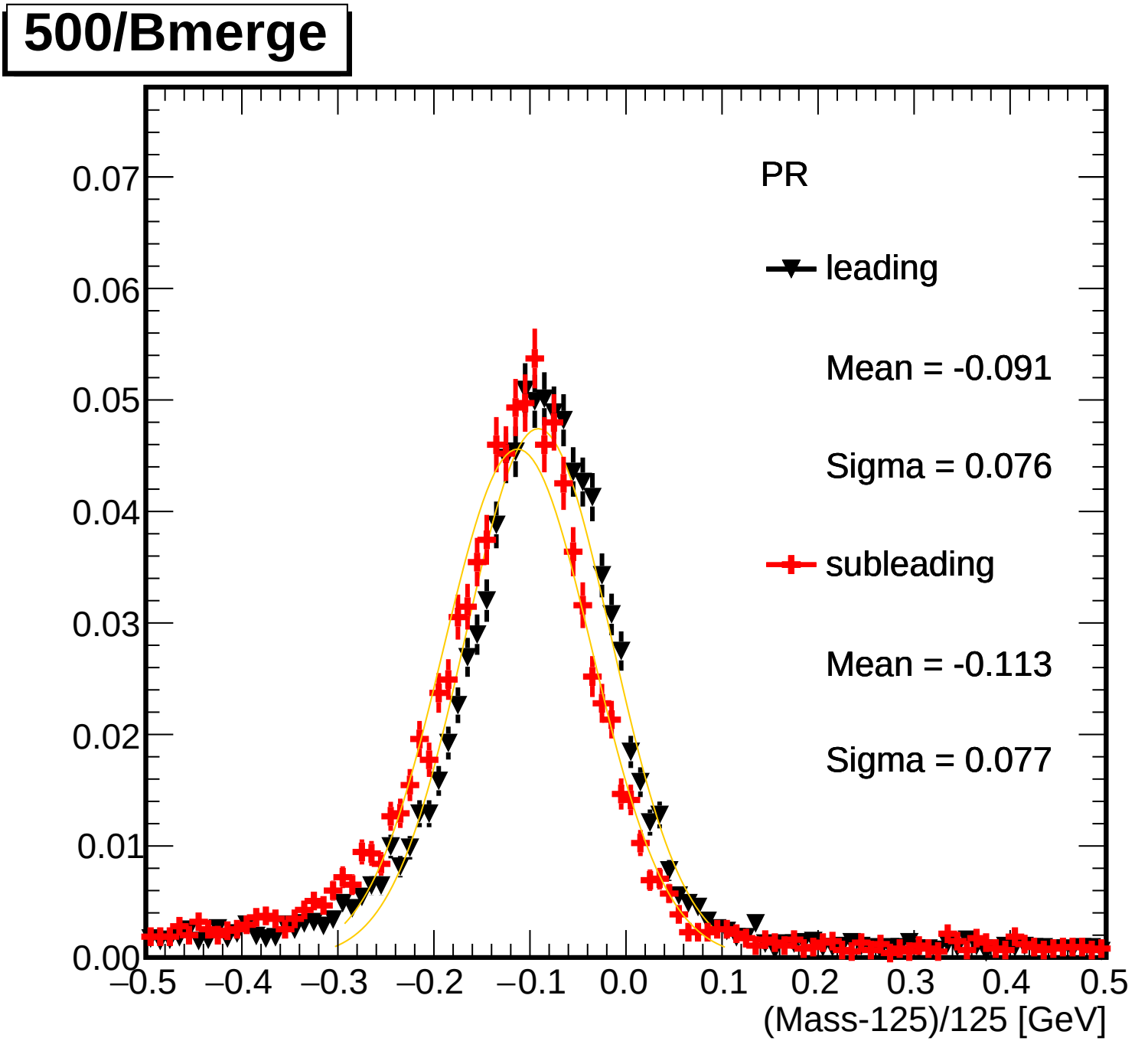

500/Bmerge, subleading jet
PR
PRCorr
AK8SD
AK8SDCorrThea
AK8SDHCorr
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]

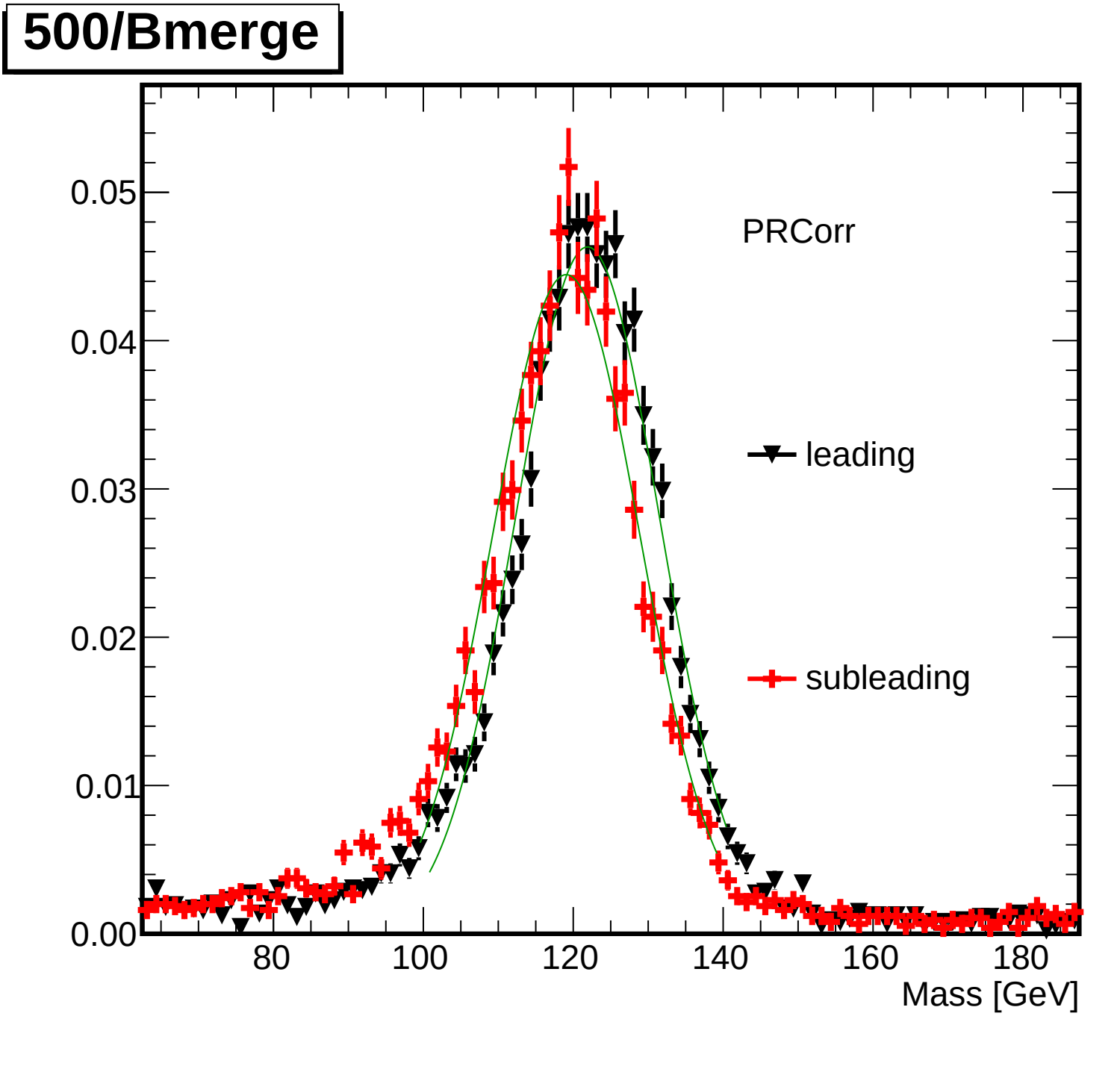

500/Bmerge, subleading jet
PR
Mean = -0.113
Sigma = 0.077
PRCorr
Mean = -0.050
Sigma = 0.081
AK8SD
Mean = -0.128
Sigma = 0.086
AK8SDCorrThea
Mean = -0.067
Sigma = 0.087
AK8SDHCorr
Mean = -0.032
Sigma = 0.092
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

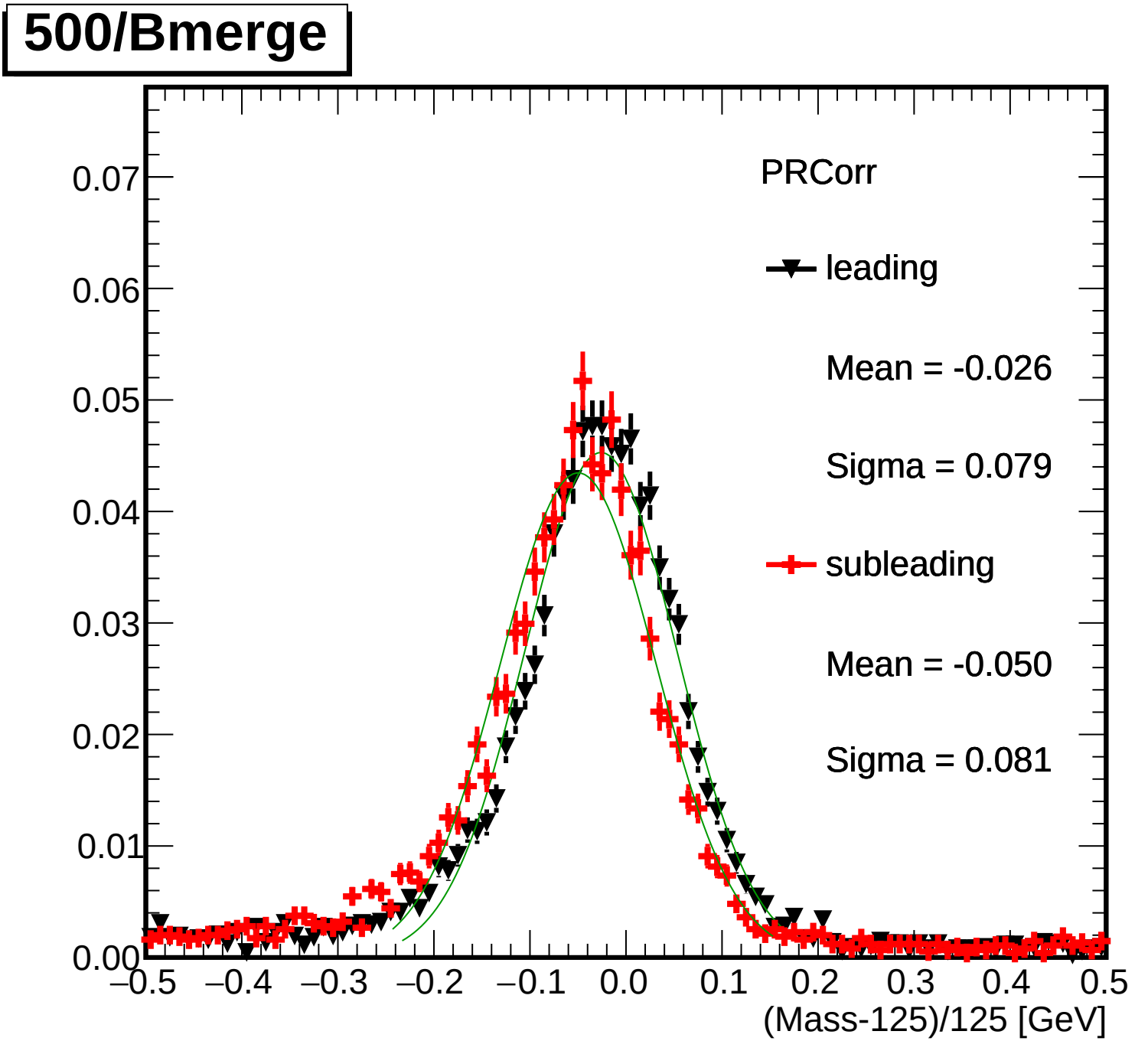

500/Bmerge, both jets
PR
PRCorr
AK8SD
AK8SDCorrTmea
AK8SDHCorr
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]

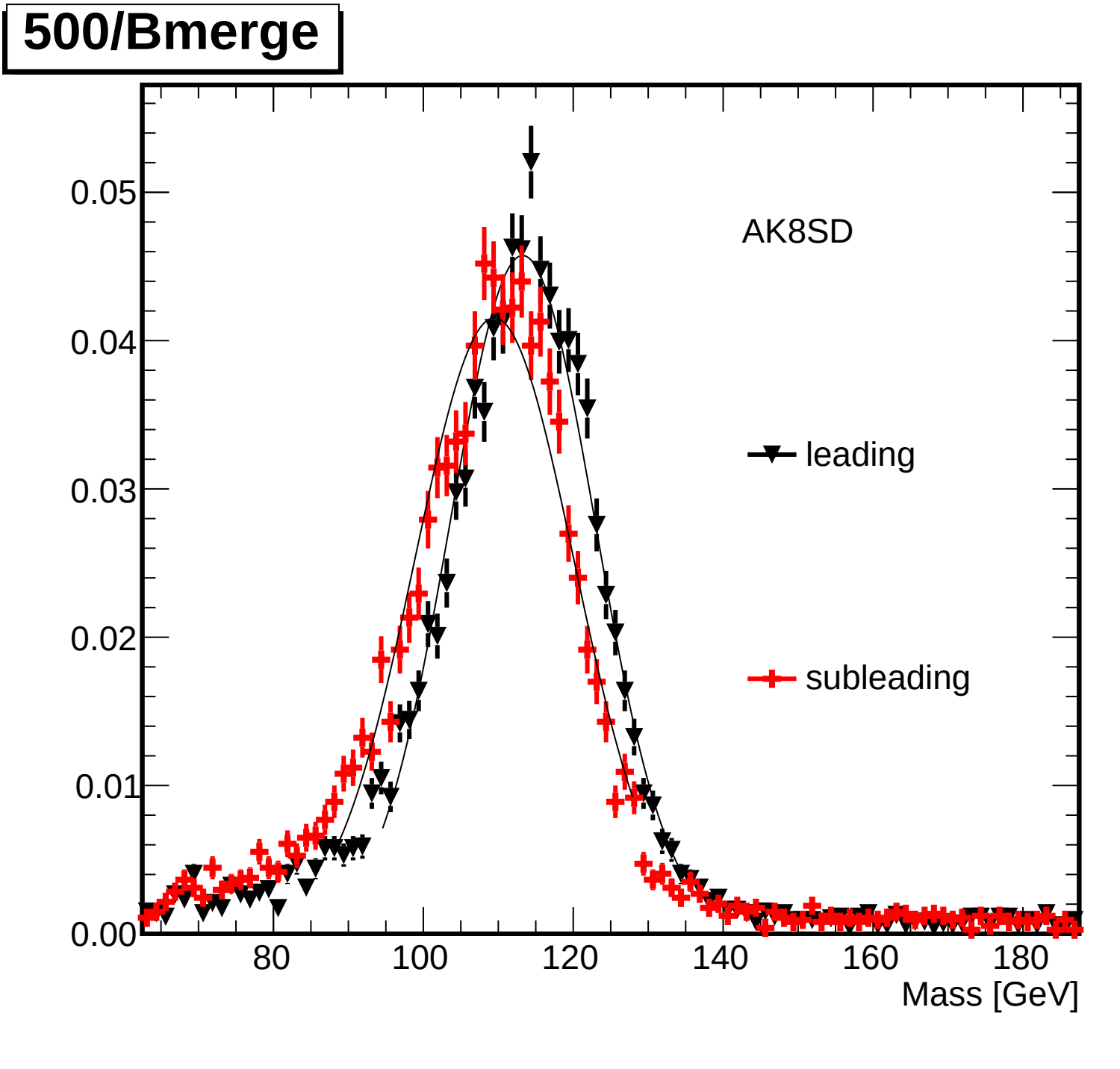

500/Bmerge, both jets
PR
Mean = -0.101
Sigma = 0.077
PRCorr
Mean = -0.037
Sigma = 0.081
AK8SD
Mean = -0.108
Sigma = 0.082
AK8SDCorrThea
Mean = -0.050
Sigma = 0.087
AK8SDHCorr
Mean = -0.012
Sigma = 0.090
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

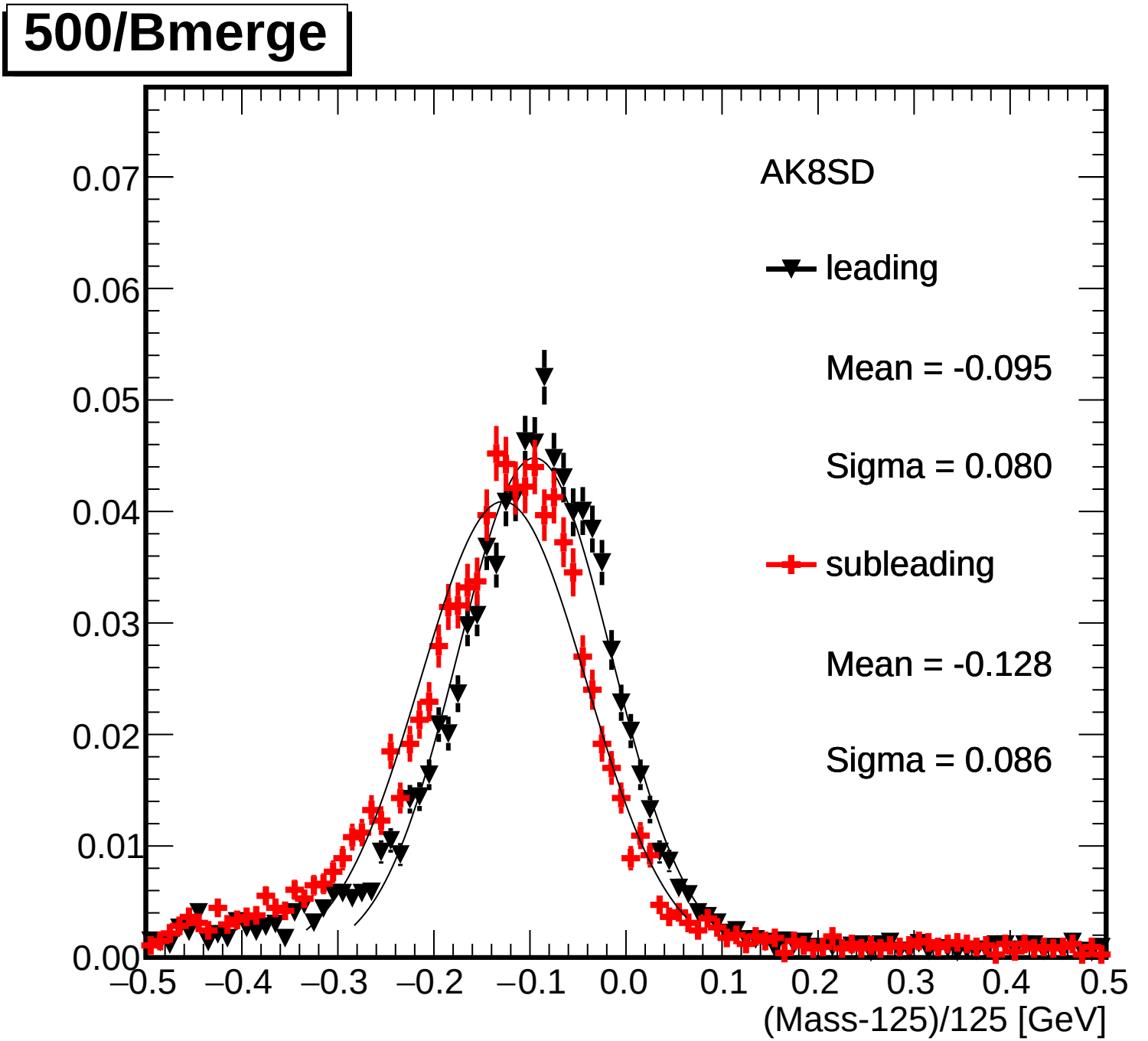

500/Bmerge
PR
leading
subleading
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]

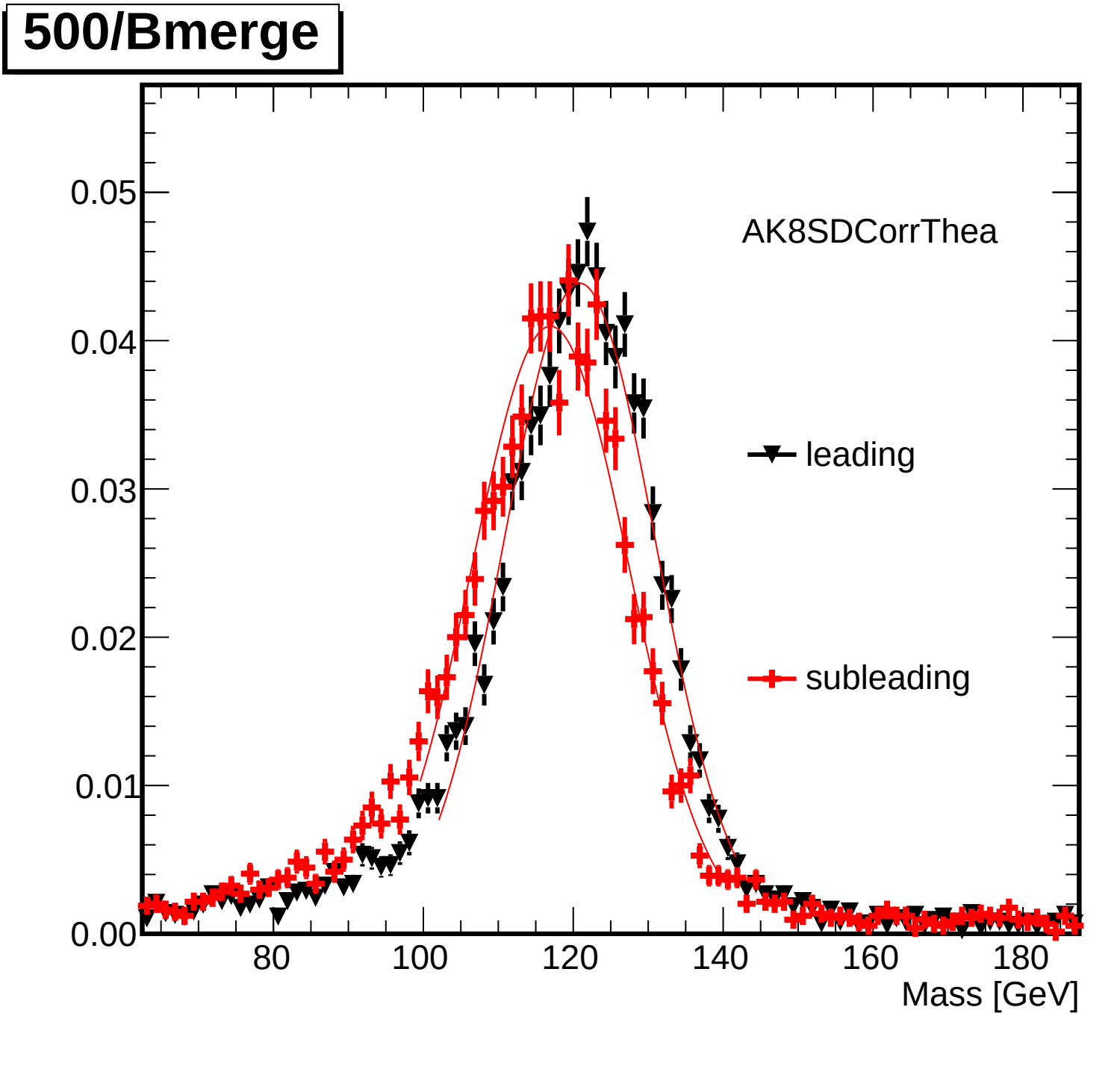

500/Bmerge
PR
leading
Mean = -0.091
Sigma = 0.076
subleading
Mean = -0.113
Sigma = 0.077
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

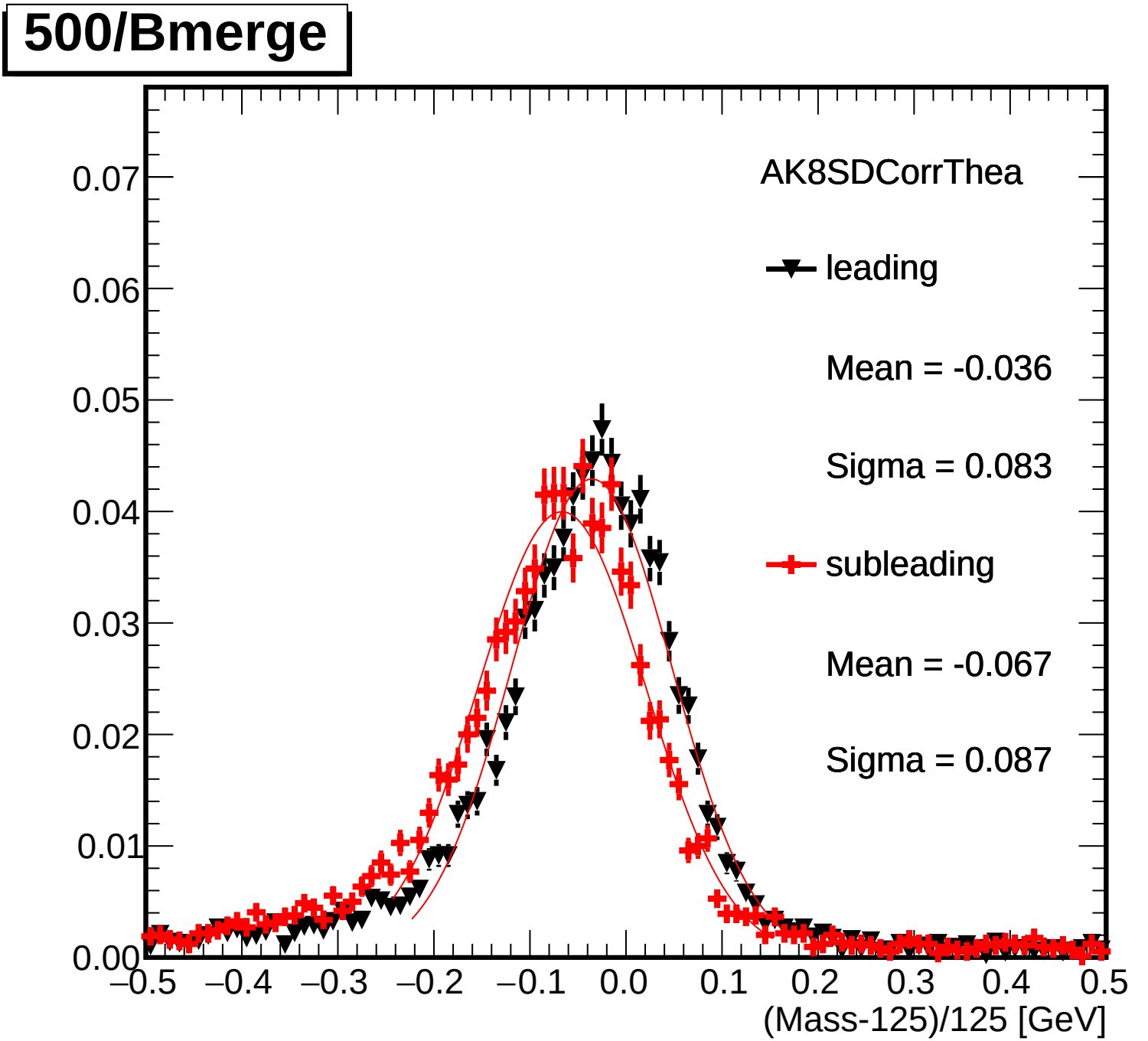

500/Bmerge
PRCorr
leading
subleading
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]

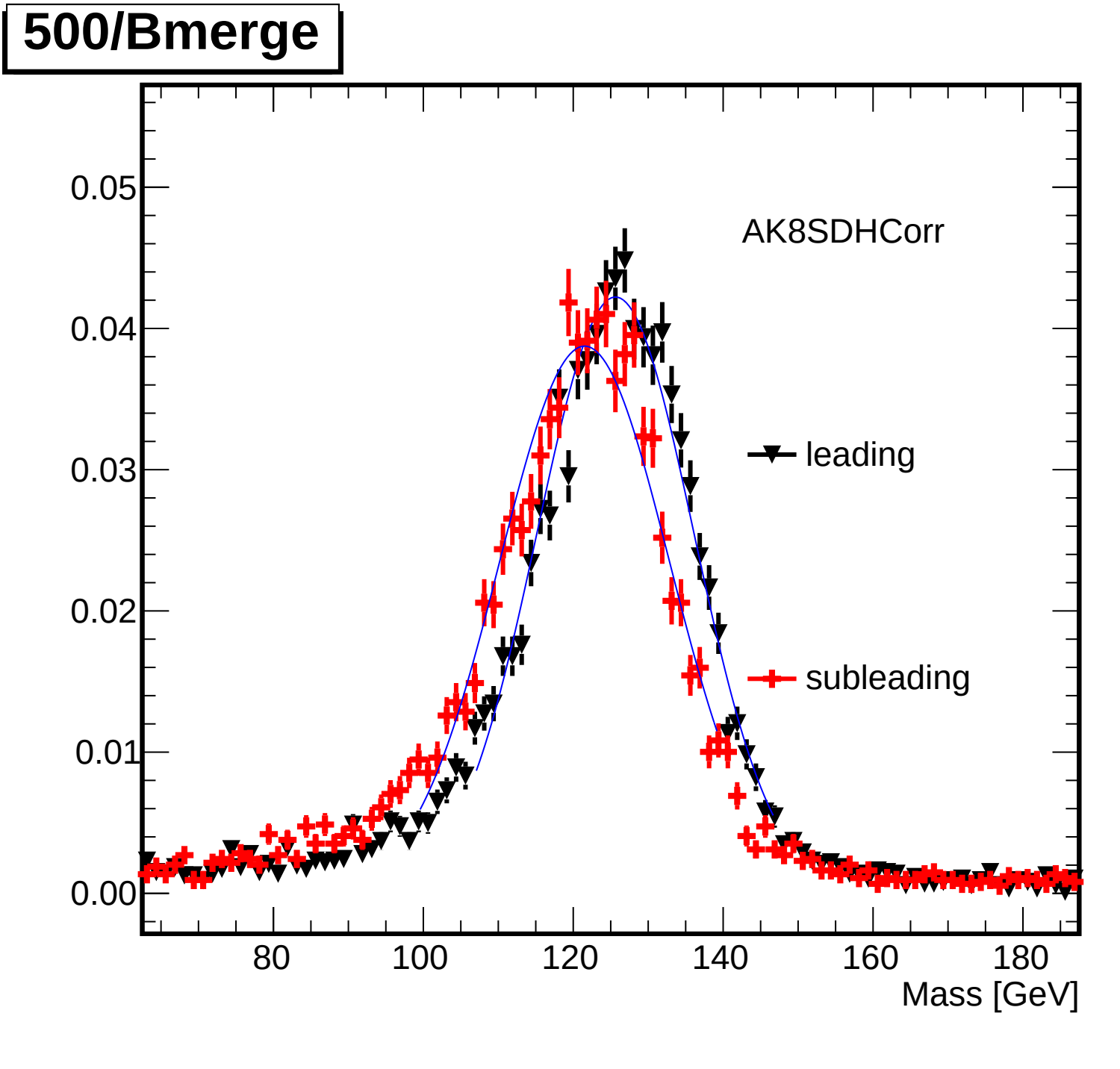

500/Bmerge
PRCorr
leading
Mean = -0.026
Sigma = 0.079
subleading
Mean = -0.050
Sigma = 0.081
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

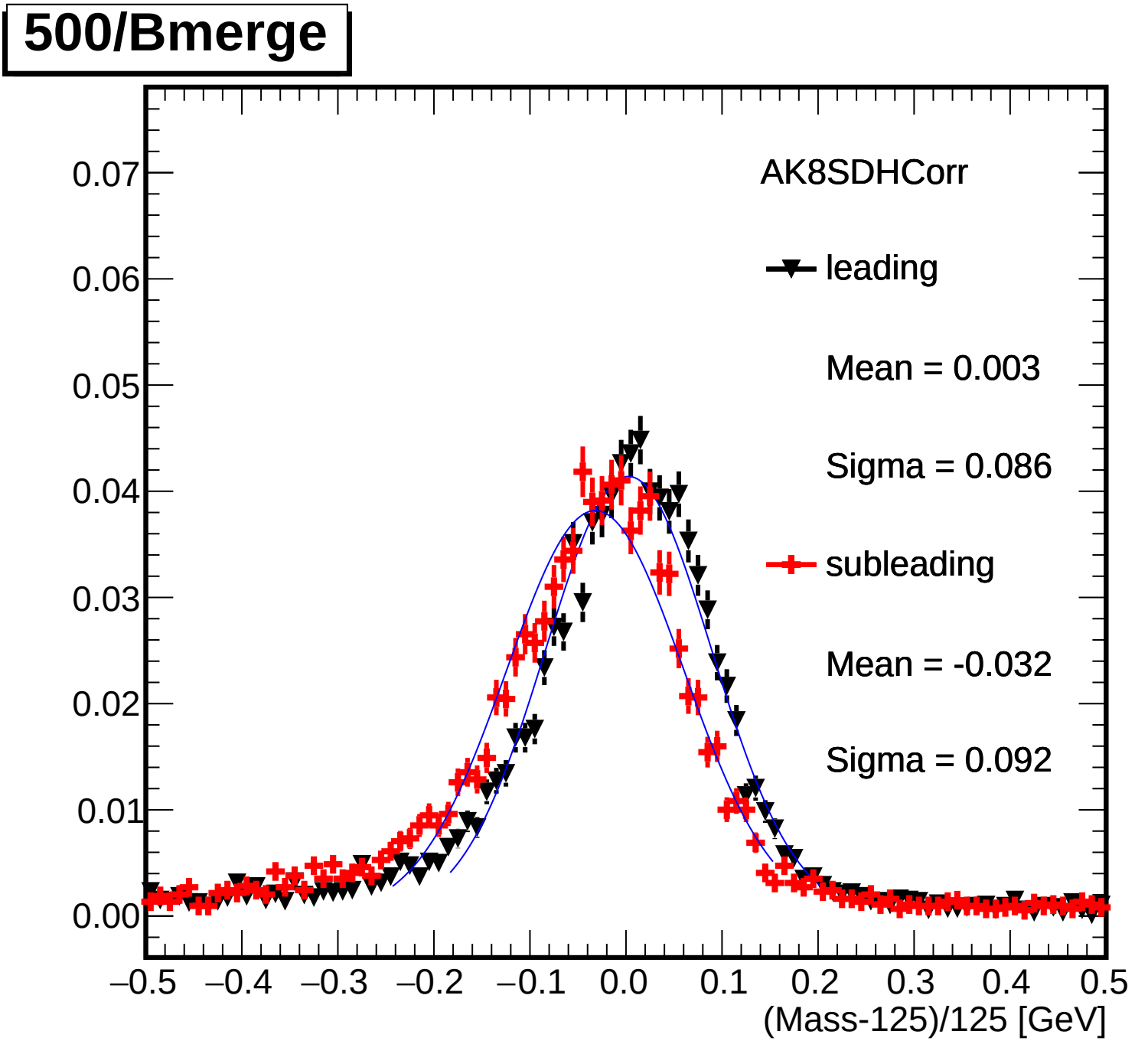

500/Bmerge
AK8SD
leading
subleading
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]


500/Bmerge
AK8SD
leading
Mean = -0.095
Sigma = 0.080
subleading
Mean = -0.128
Sigma = 0.086
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 = -0.036
Sigma = 0.083
subleading
Mean = -0.067
Sigma = 0.087
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 = 0.003
Sigma = 0.086
subleading
Mean = -0.032
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]