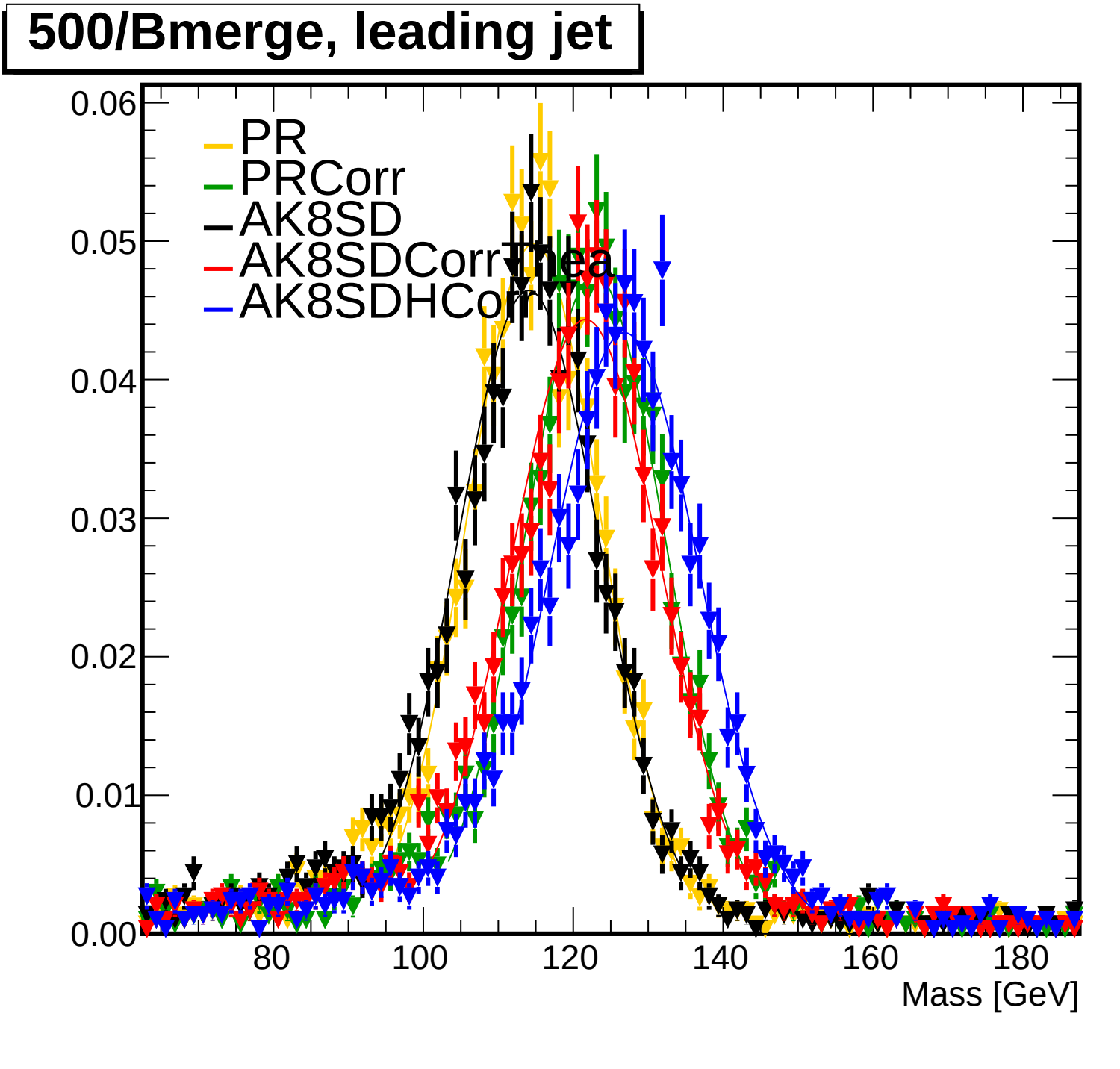
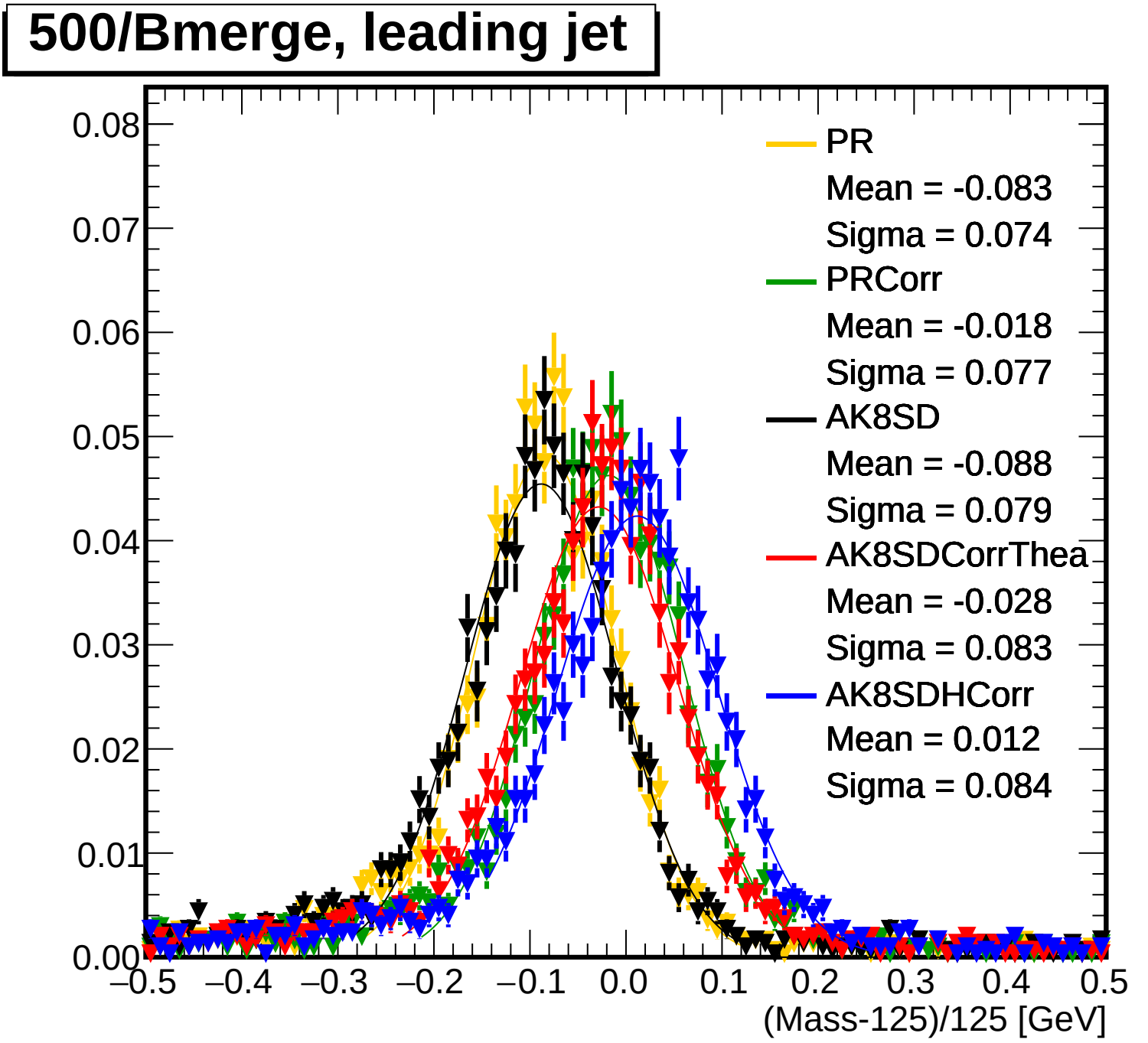
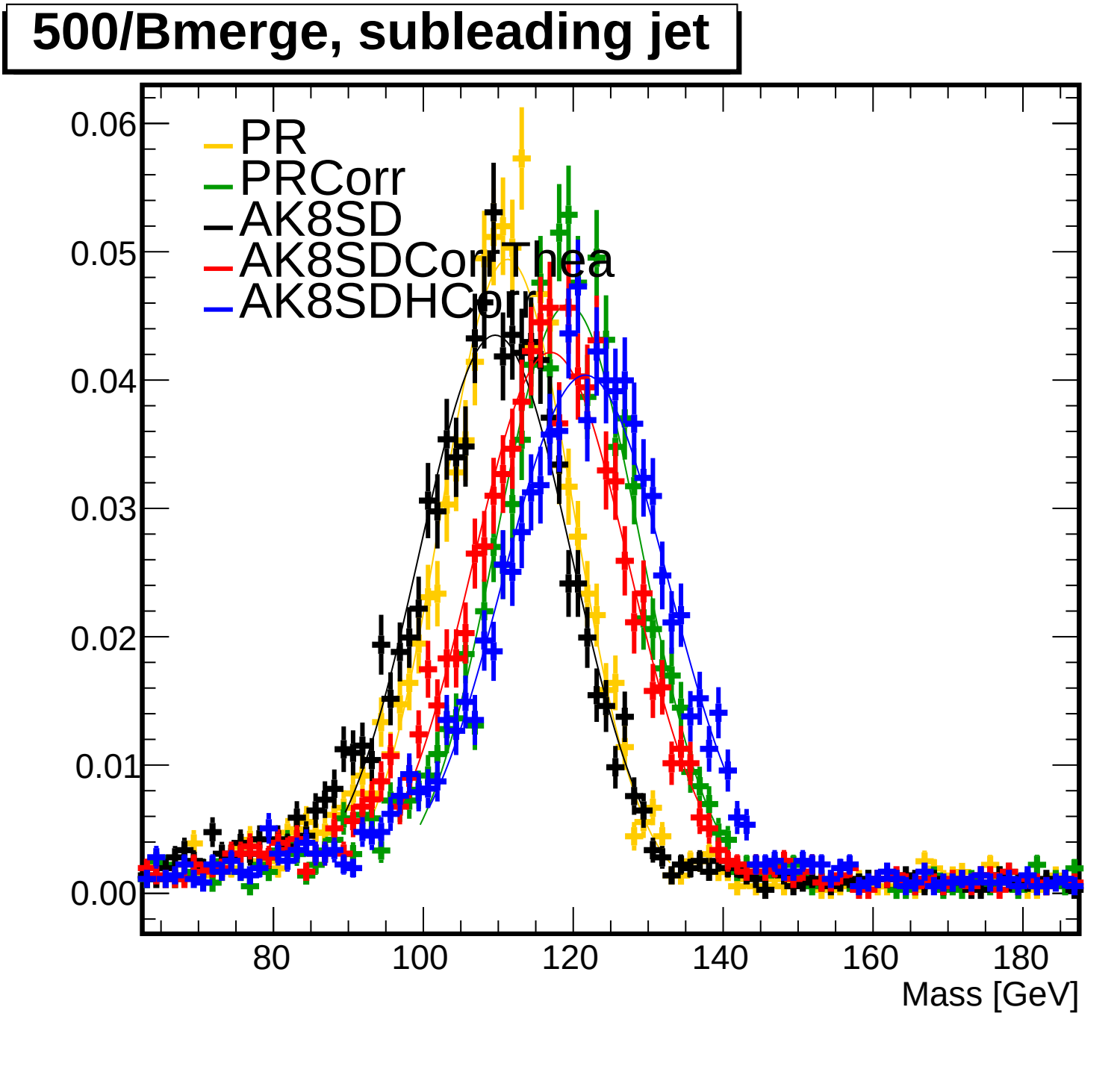
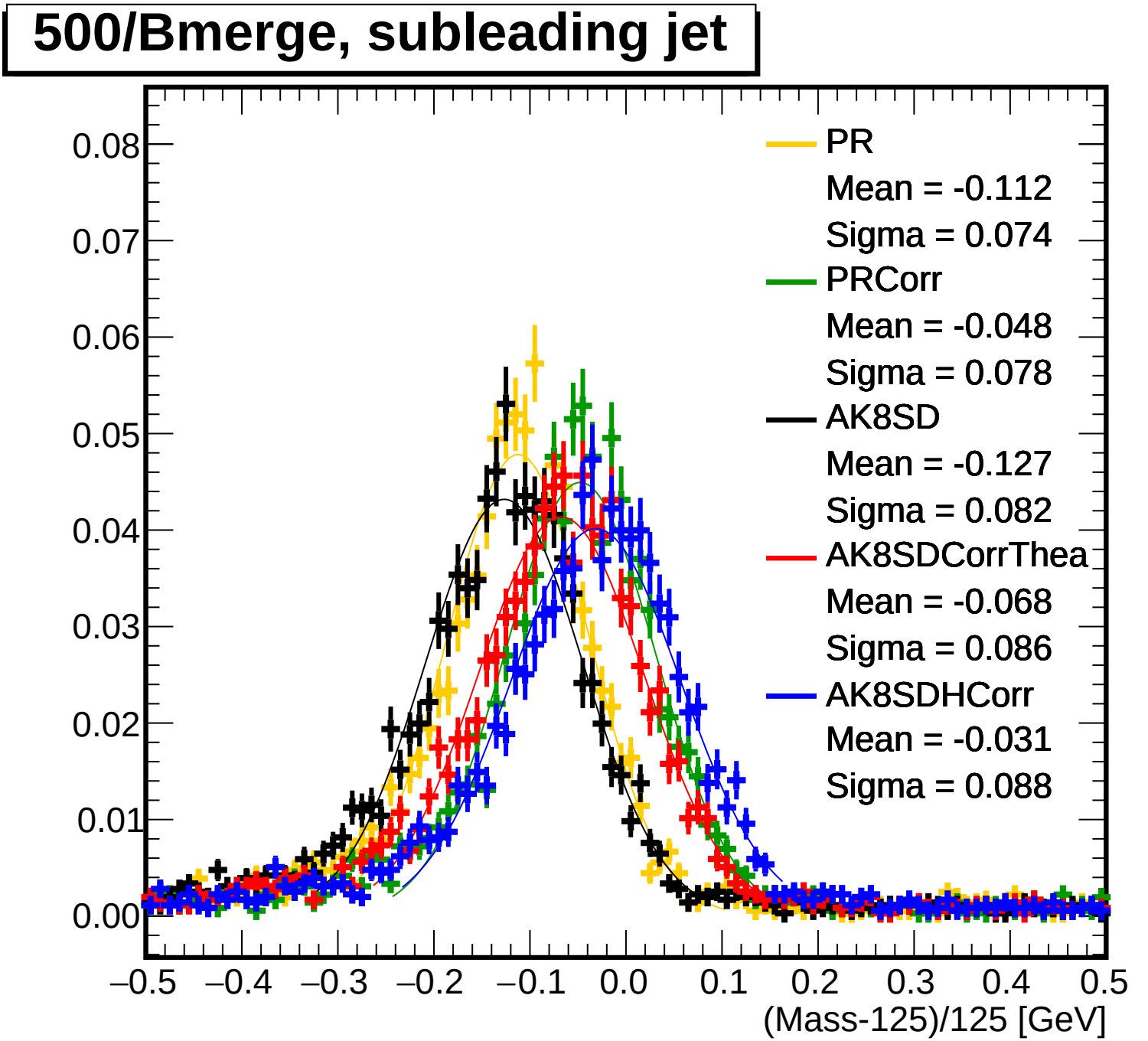
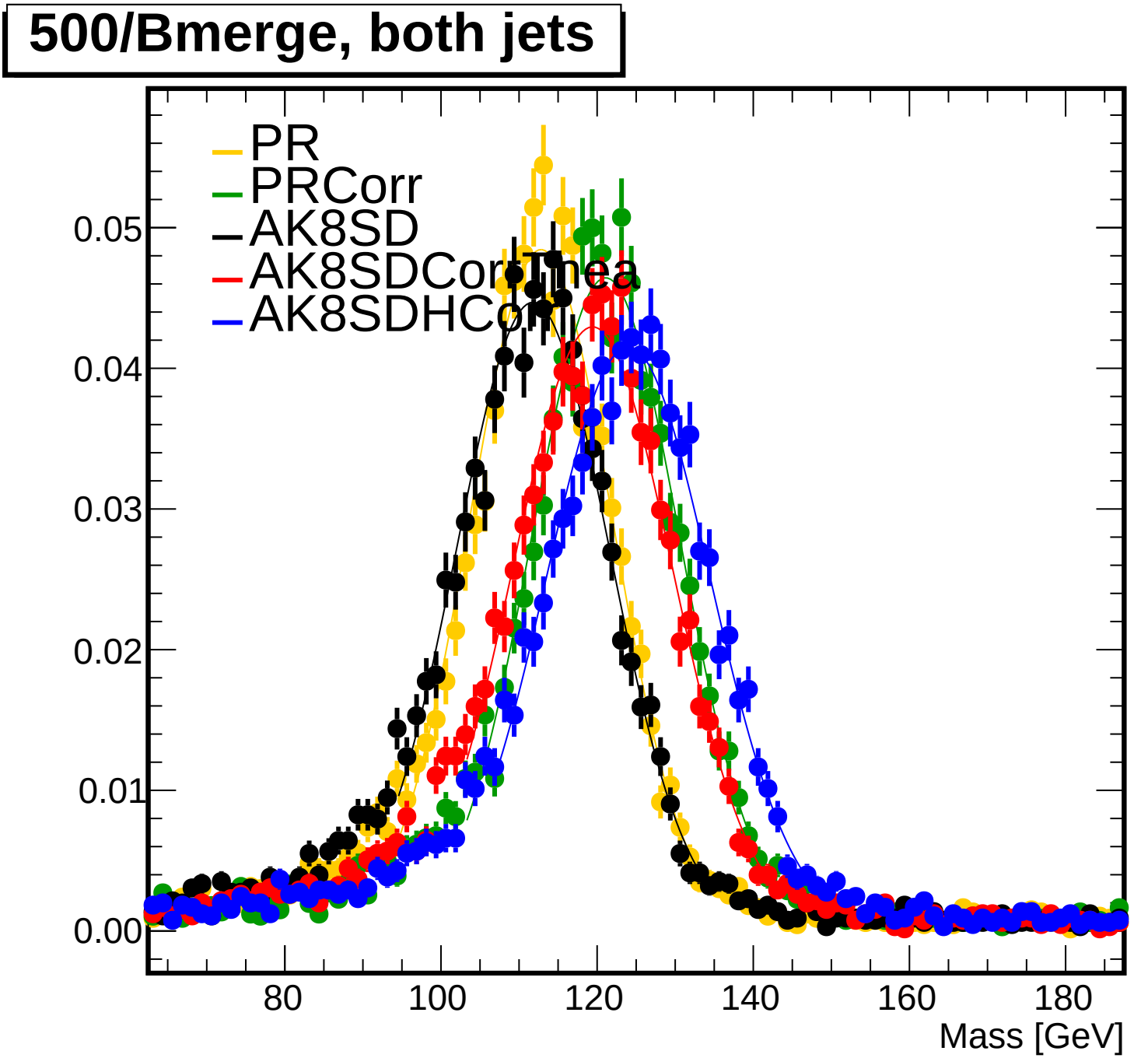
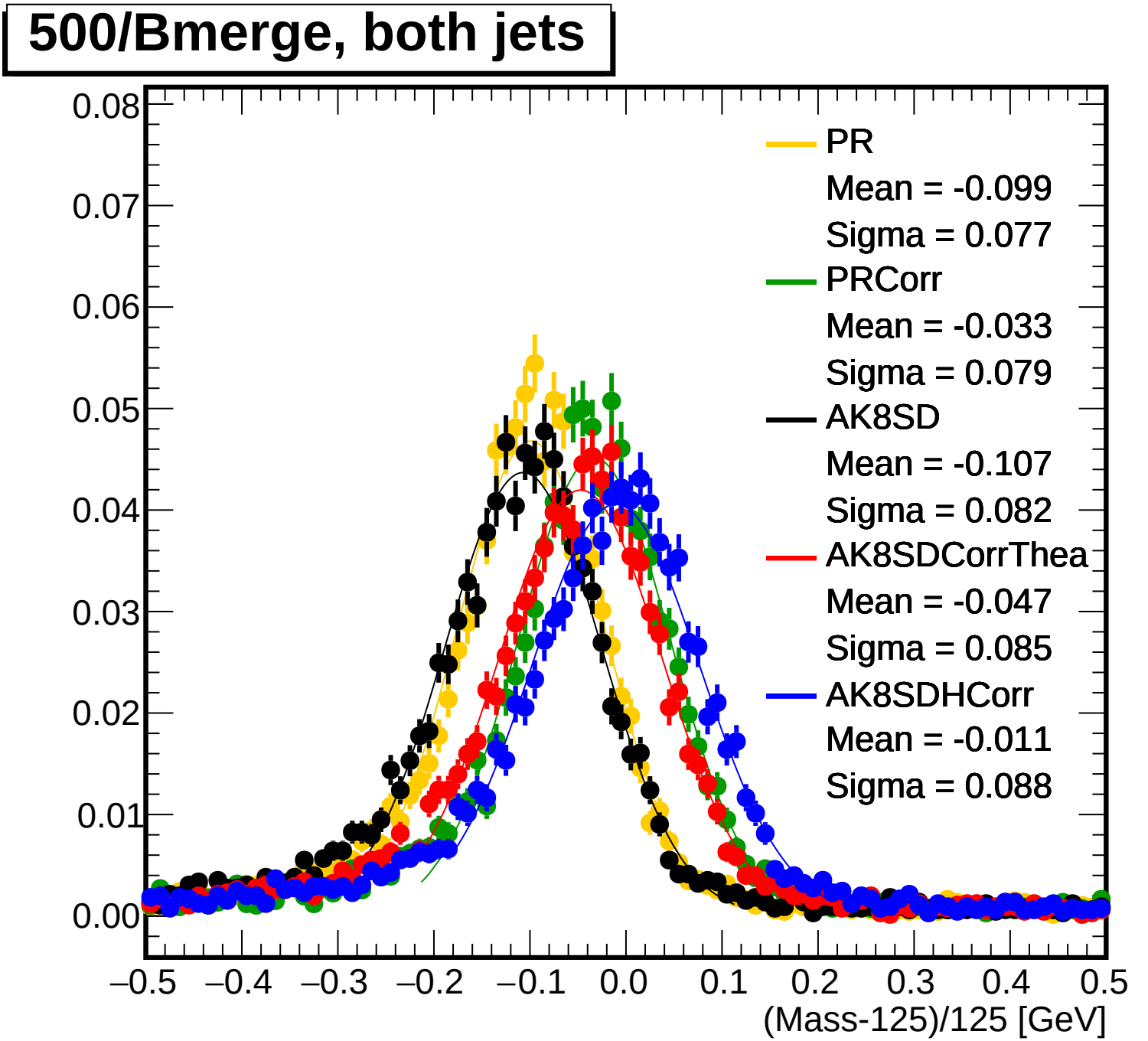

500/Bmerge, leading jet
PR
PRCorr
AK8SD
AK8SDCorr
AK8SDHCorr
0.06
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]

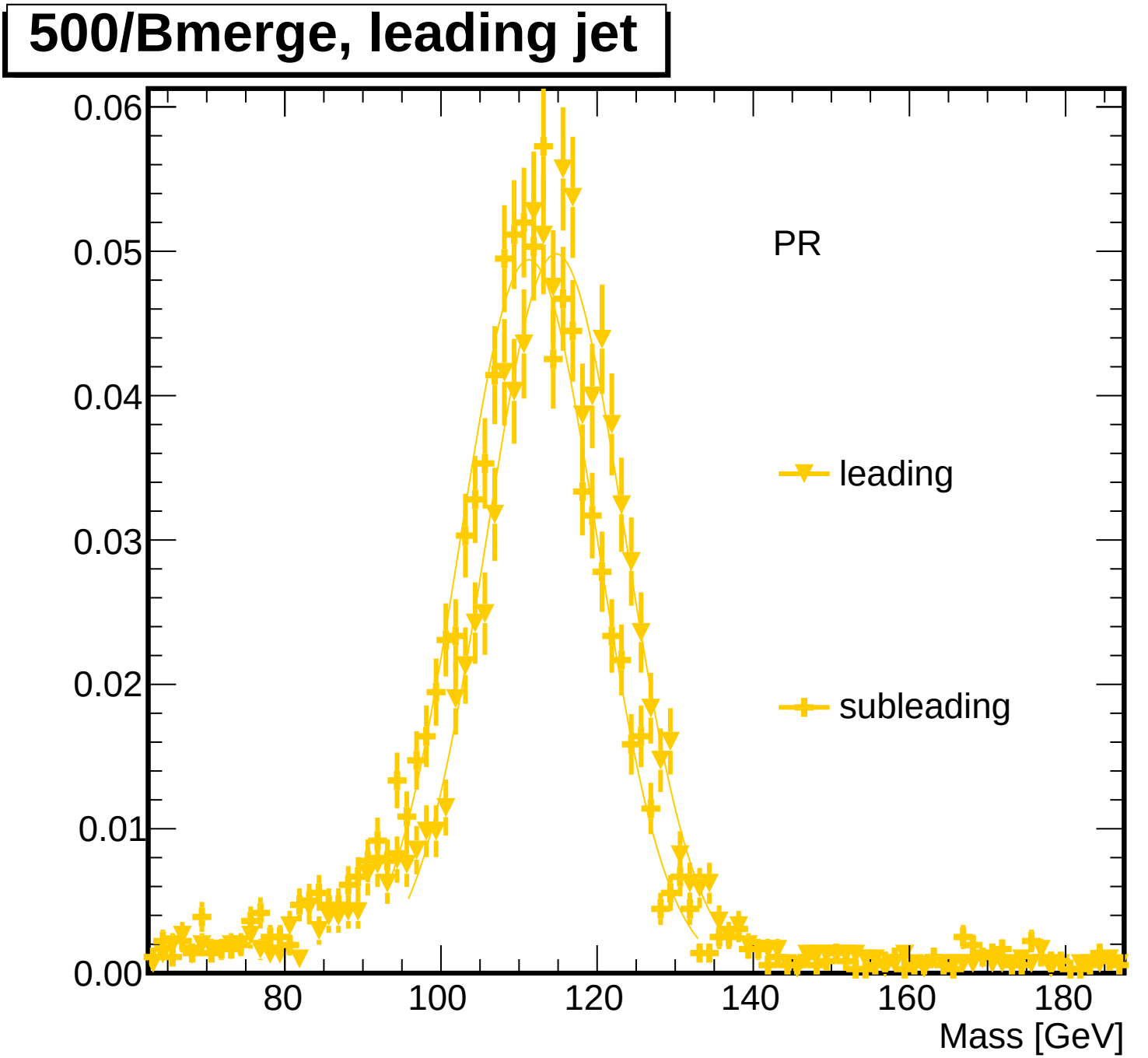

500/Bmerge, leading jet
PR
Mean = -0.083
Sigma = 0.074
PRCorr
Mean = -0.018
Sigma = 0.077
AK8SD
Mean = -0.088
Sigma = 0.079
AK8SDCorrThea
Mean = -0.028
Sigma = 0.083
AK8SDHCorr
Mean = 0.012
Sigma = 0.084
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

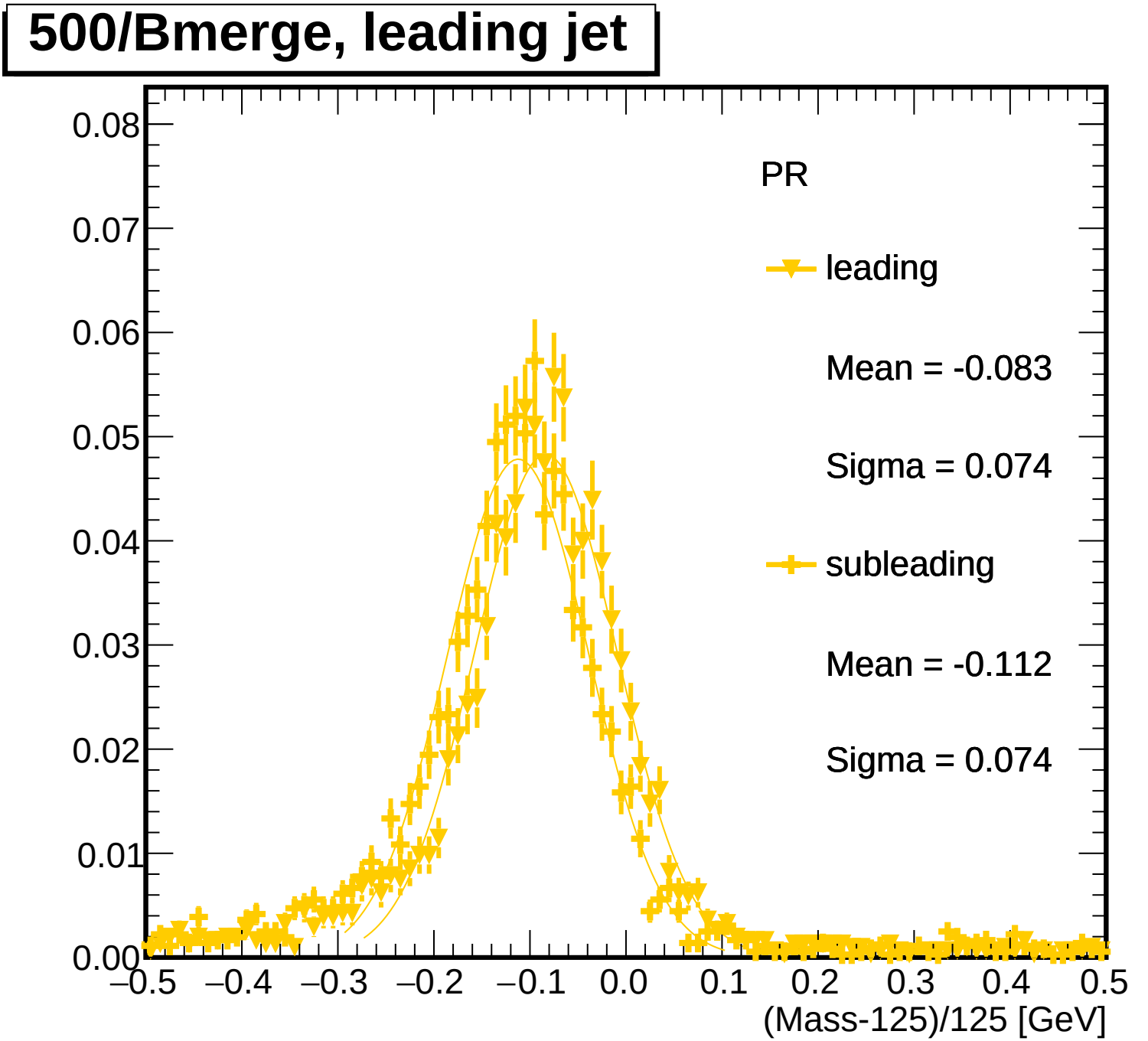

500/Bmerge, subleading jet
PR
PRCorr
AK8SD
AK8SDCorrThea
AK8SDHCorr
0.06
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]

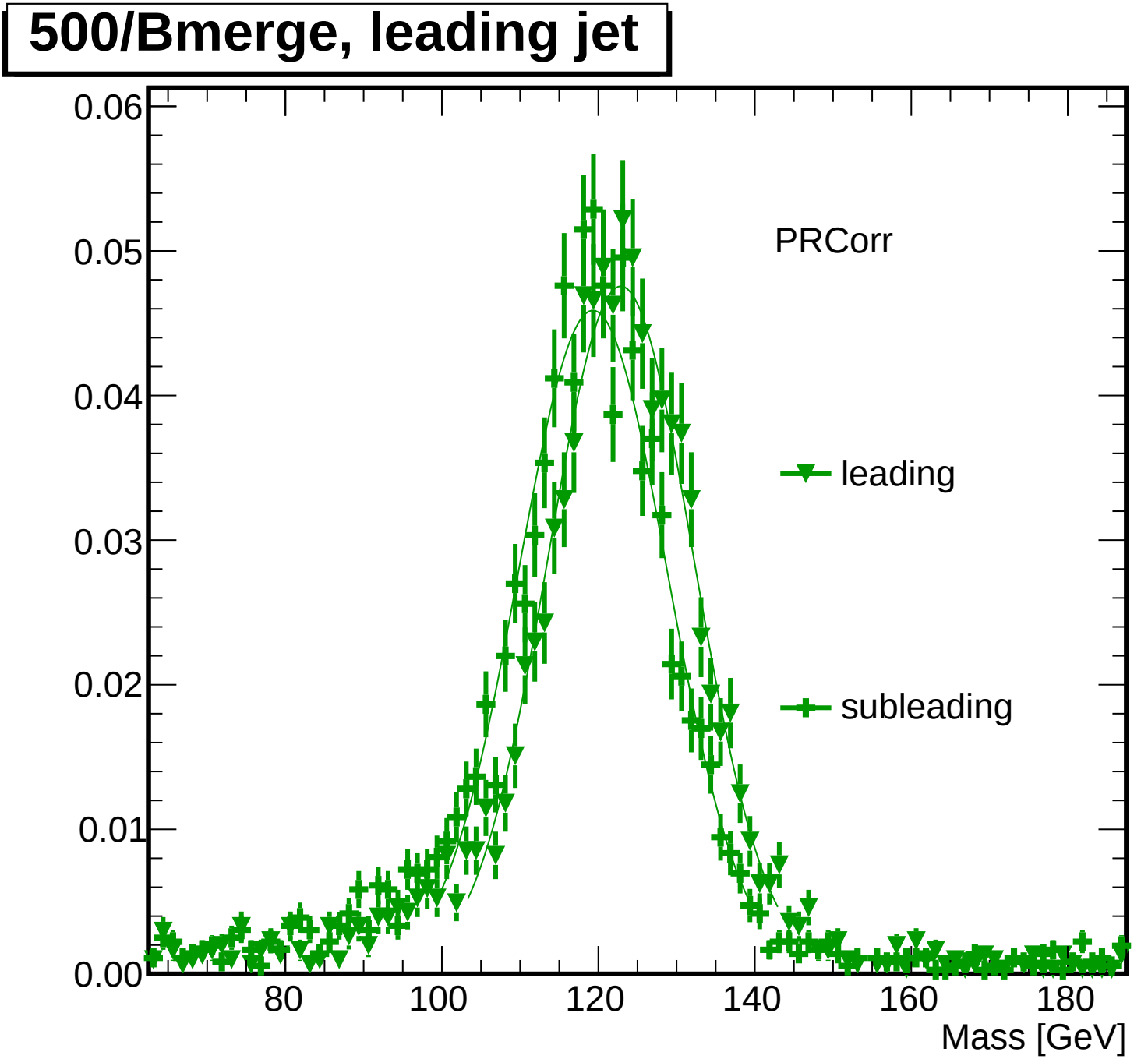

500/Bmerge, subleading jet
PR
Mean = -0.112
Sigma = 0.074
PRCorr
Mean = -0.048
Sigma = 0.078
AK8SD
Mean = -0.127
Sigma = 0.082
AK8SDCorrThea
Mean = -0.068
Sigma = 0.086
AK8SDHCorr
Mean = -0.031
Sigma = 0.088
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

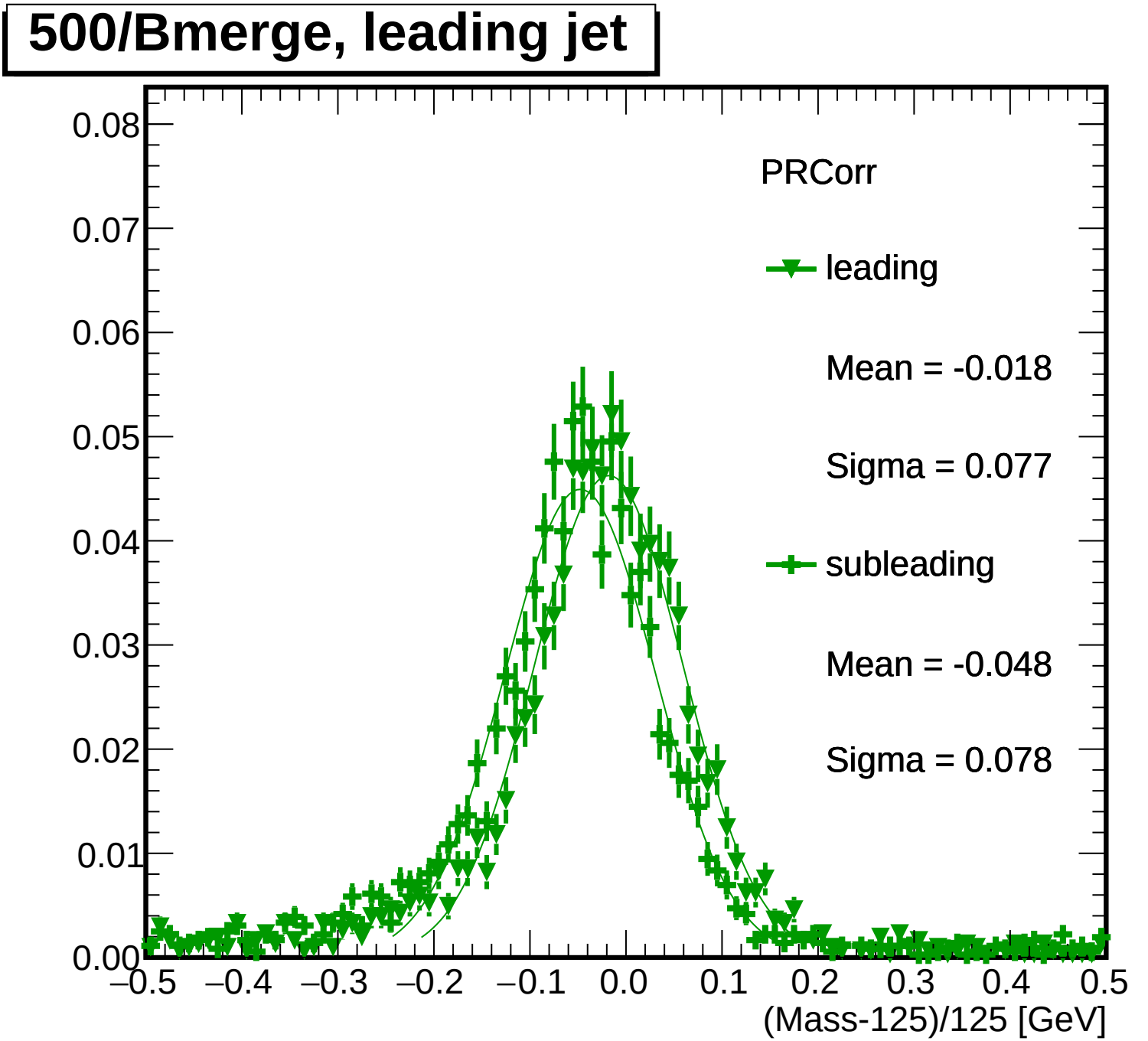

500/Bmerge, both jets
PR
PRCorr
AK8SD
AK8SDCorrTmea
AK8SDHCorr
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]

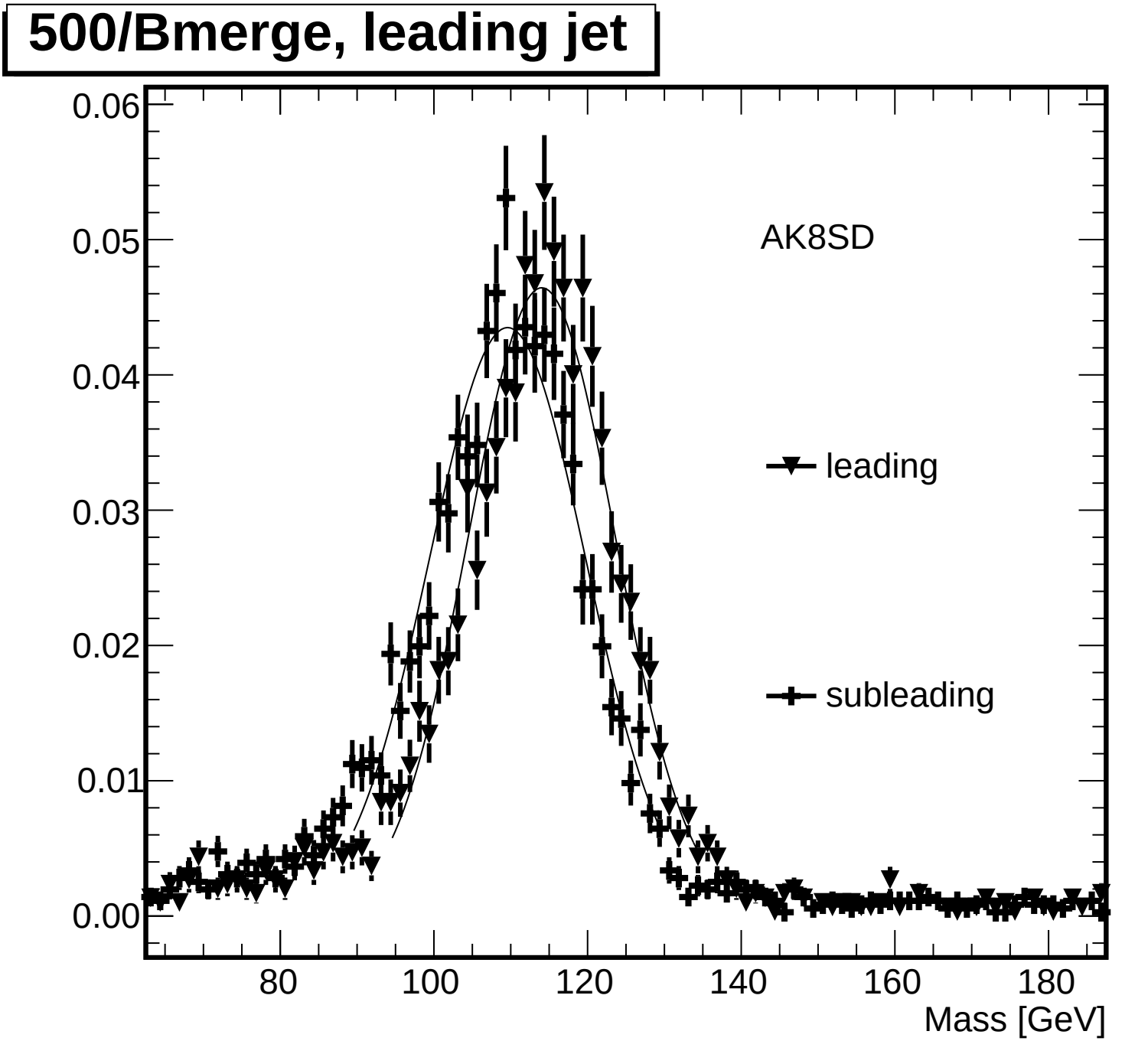

500/Bmerge, both jets
PR
Mean = -0.099
Sigma = 0.077
PRCorr
Mean = -0.033
Sigma = 0.079
AK8SD
Mean = -0.107
Sigma = 0.082
AK8SDCorrThea
Mean = -0.047
Sigma = 0.085
AK8SDHCorr
Mean = -0.011
Sigma = 0.088
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

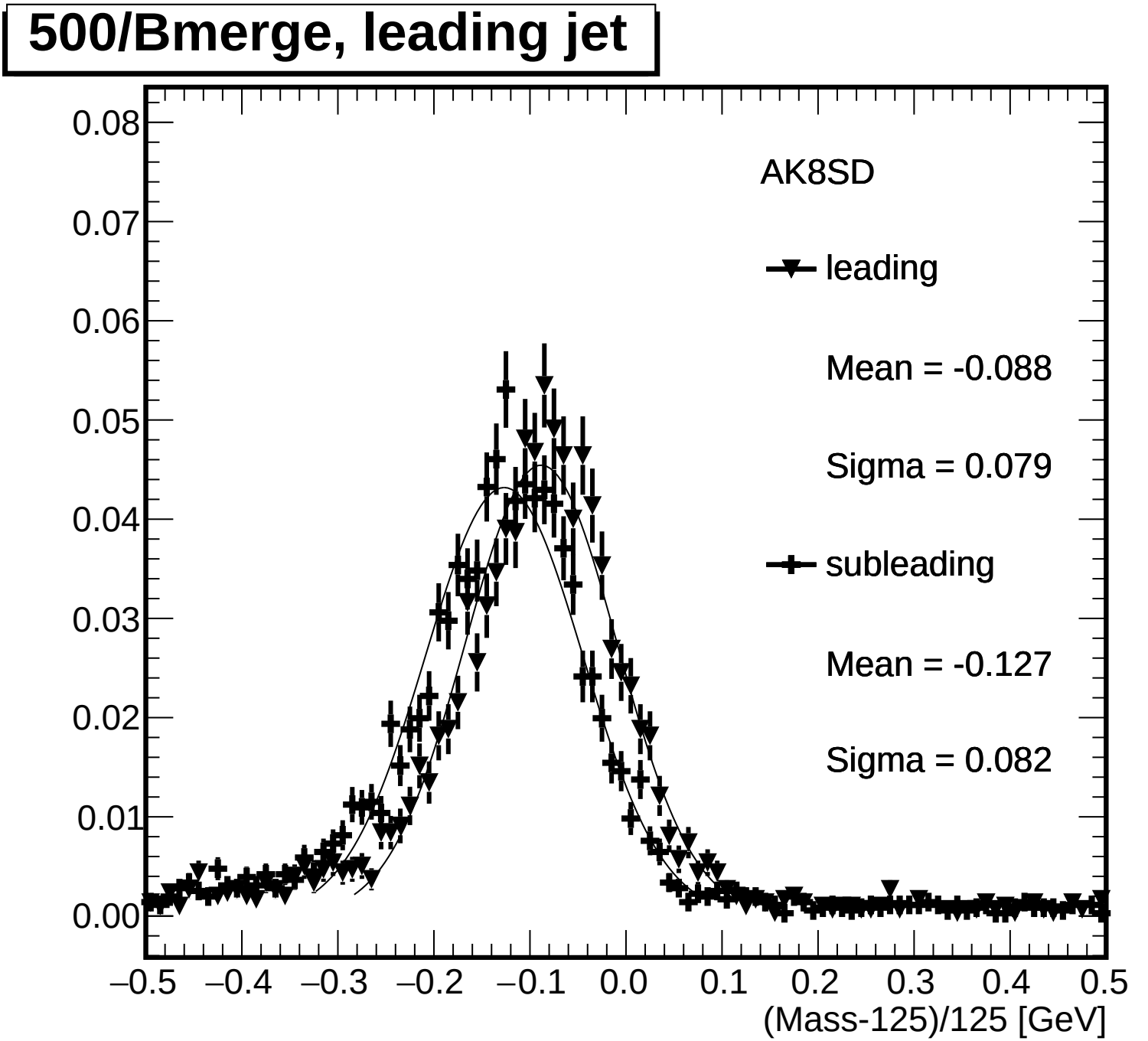

500/Bmerge, leading jet
0.06
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]
PR
leading
subleading

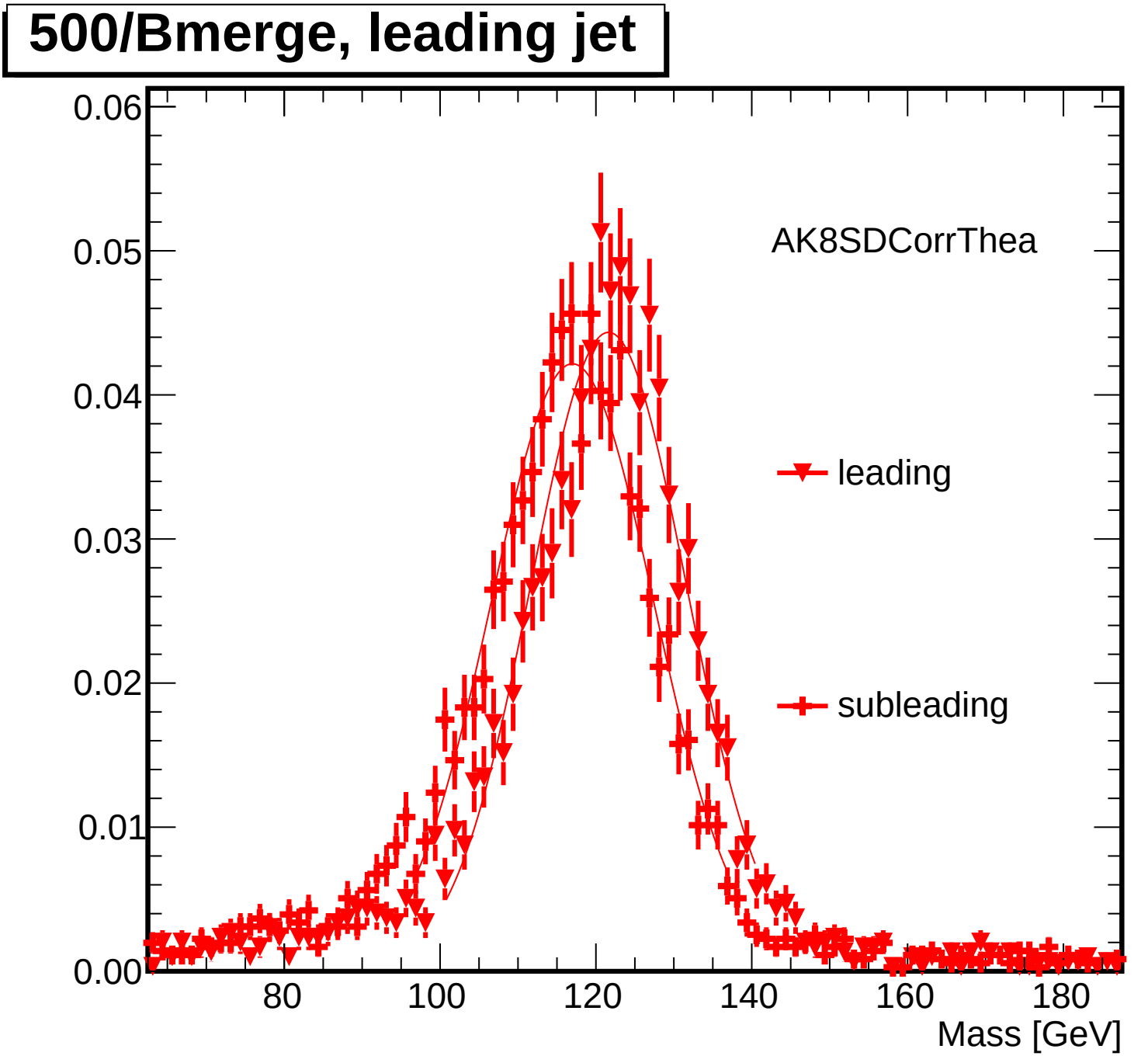

500/Bmerge, leading jet
PR
leading
Mean = -0.083
Sigma = 0.074
subleading
Mean = -0.112
Sigma = 0.074
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

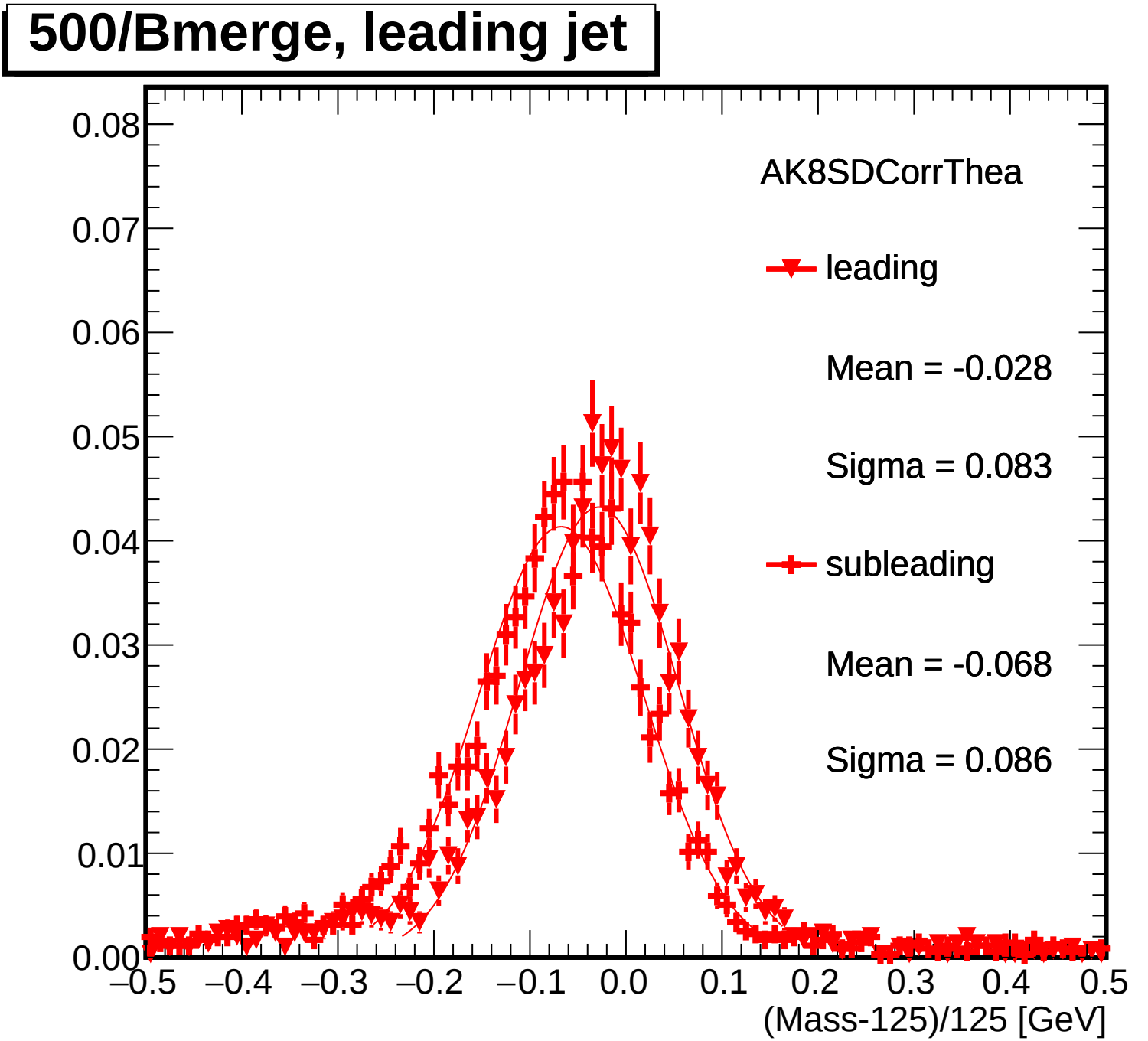

500/Bmerge, leading jet
0.06
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]
PRCorr
leading
subleading

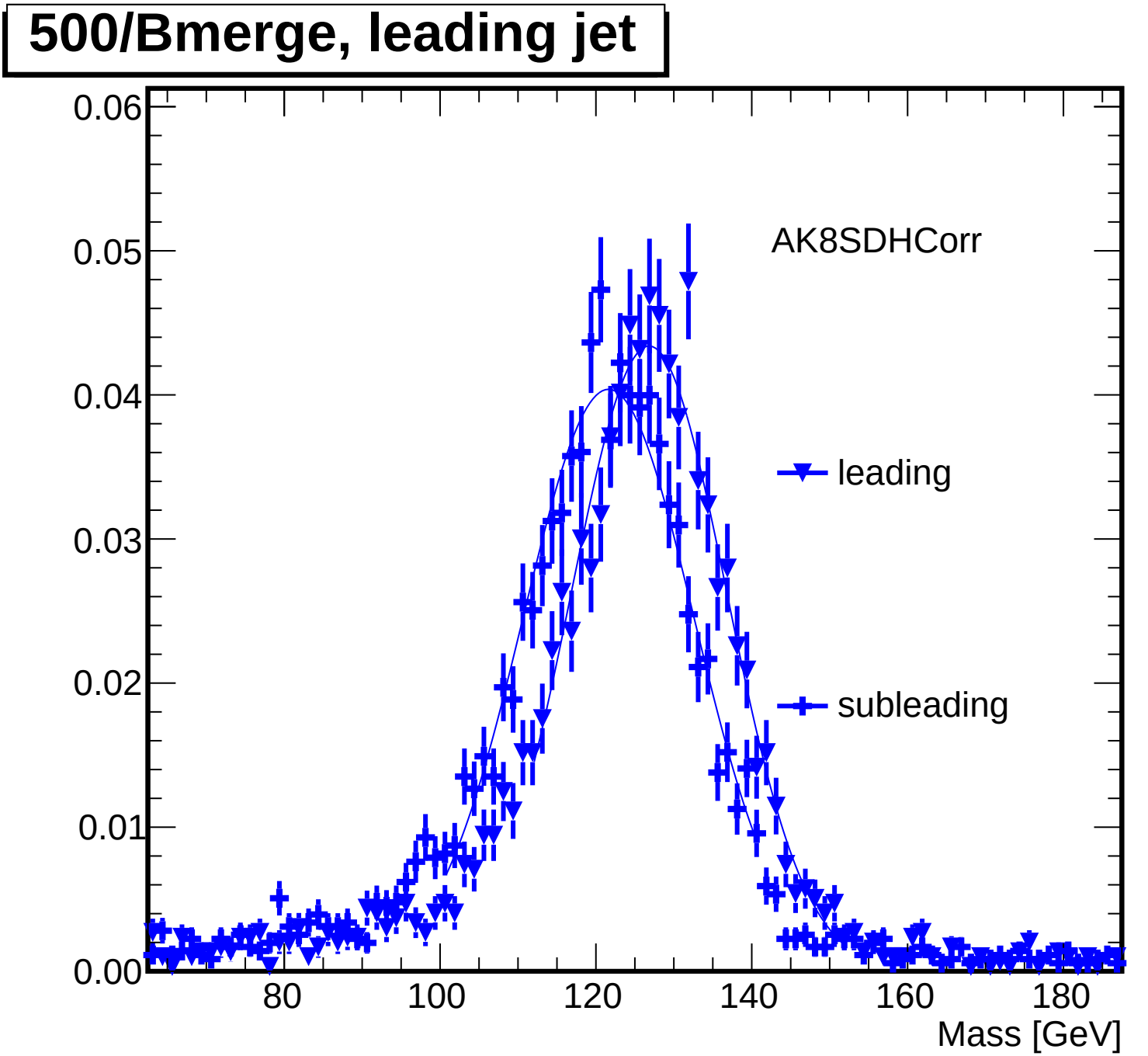

500/Bmerge, leading jet
PRCorr
leading
Mean = -0.018
Sigma = 0.077
subleading
Mean = -0.048
Sigma = 0.078
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

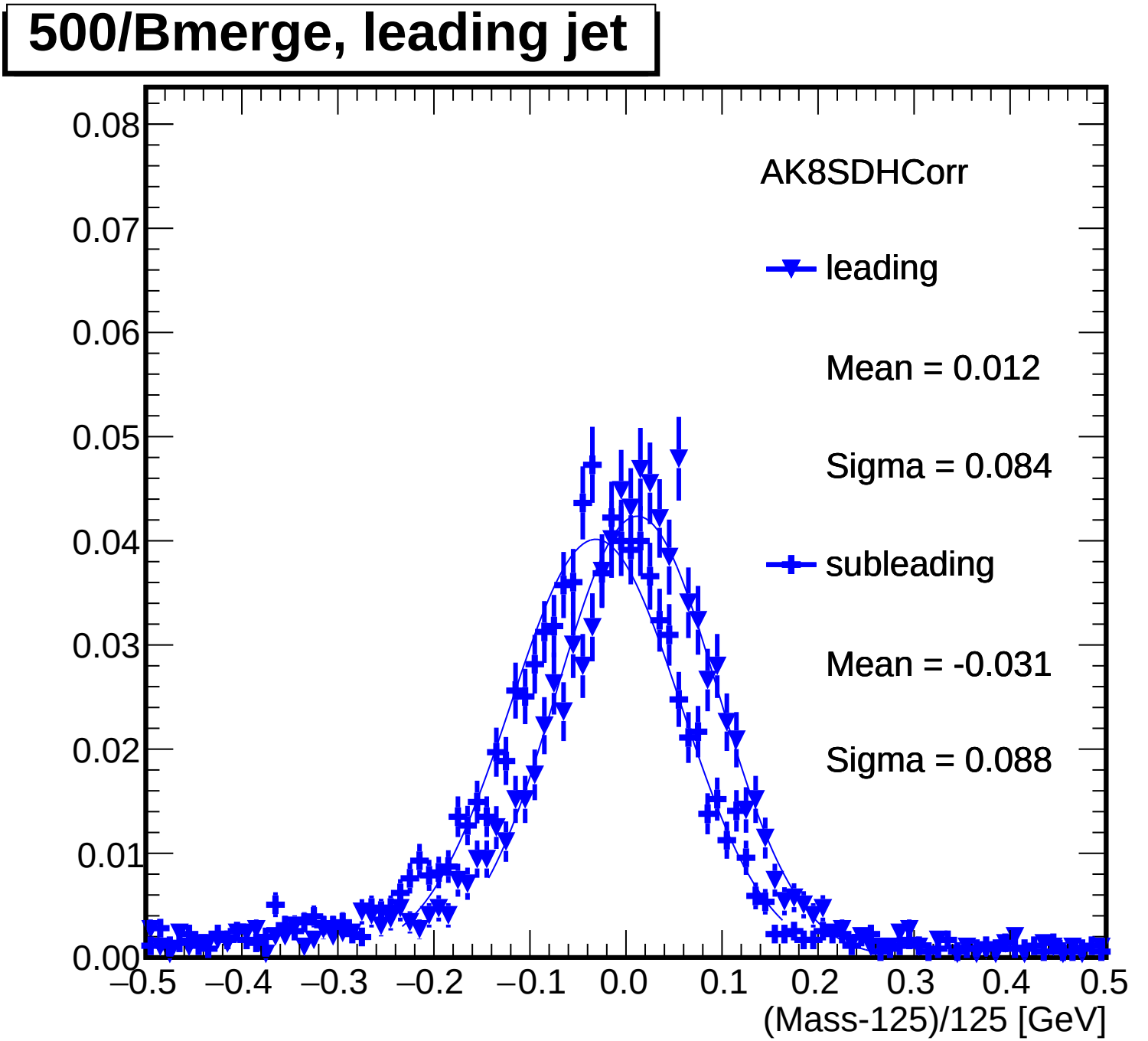

500/Bmerge, leading jet
AK8SD
leading
subleading
0.06
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]


500/Bmerge, leading jet
AK8SD
leading
Mean = -0.088
Sigma = 0.079
subleading
Mean = -0.127
Sigma = 0.082
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, leading jet
AK8SDCorrThea
leading
subleading
0.06
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]


500/Bmerge, leading jet
AK8SDCorrThea
leading
Mean = -0.028
Sigma = 0.083
subleading
Mean = -0.068
Sigma = 0.086
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, leading jet
AK8SDHCorr
leading
subleading
0.06
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]


500/Bmerge, leading jet
AK8SDHCorr
leading
Mean = 0.012
Sigma = 0.084
subleading
Mean = -0.031
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]