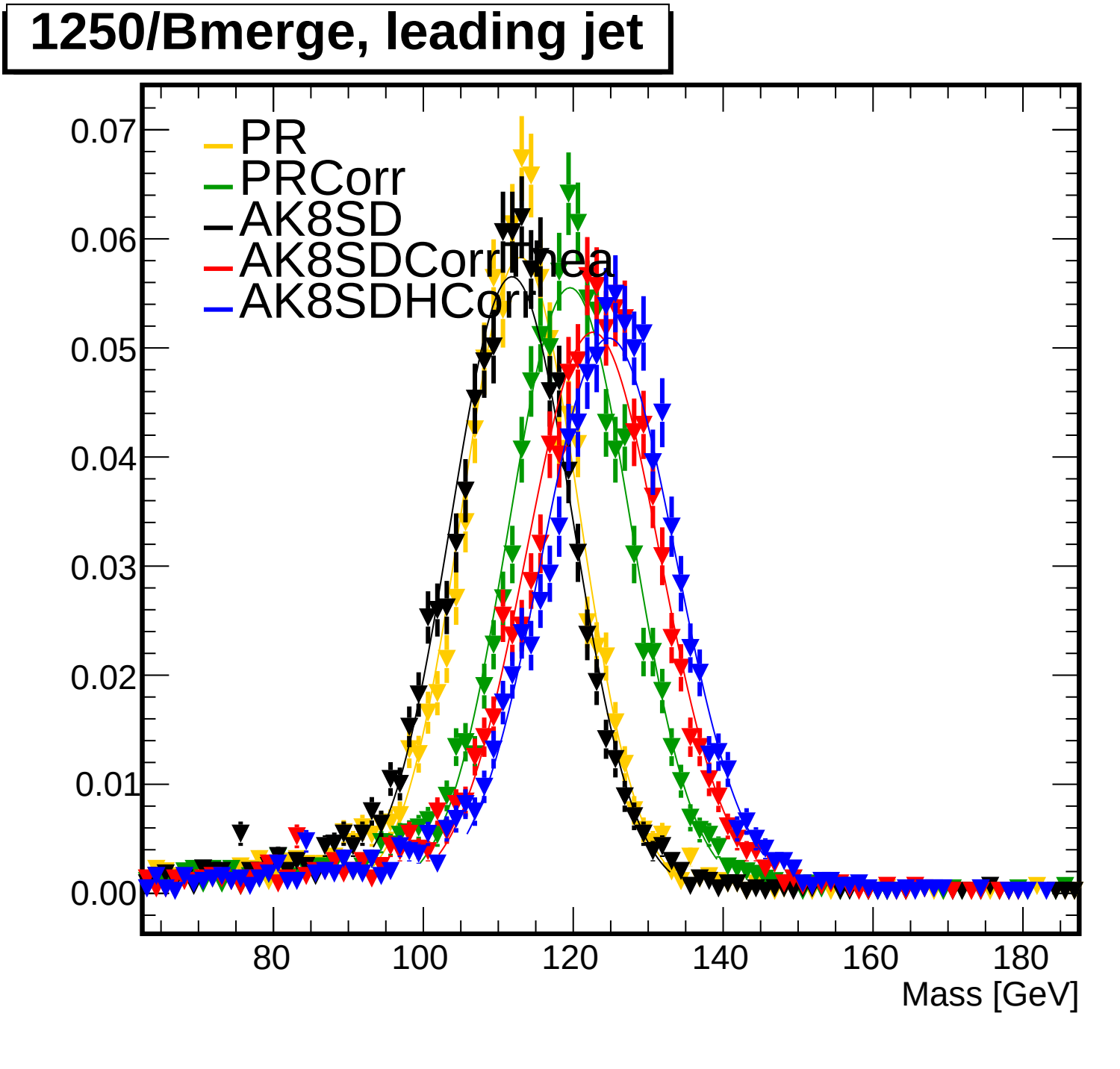
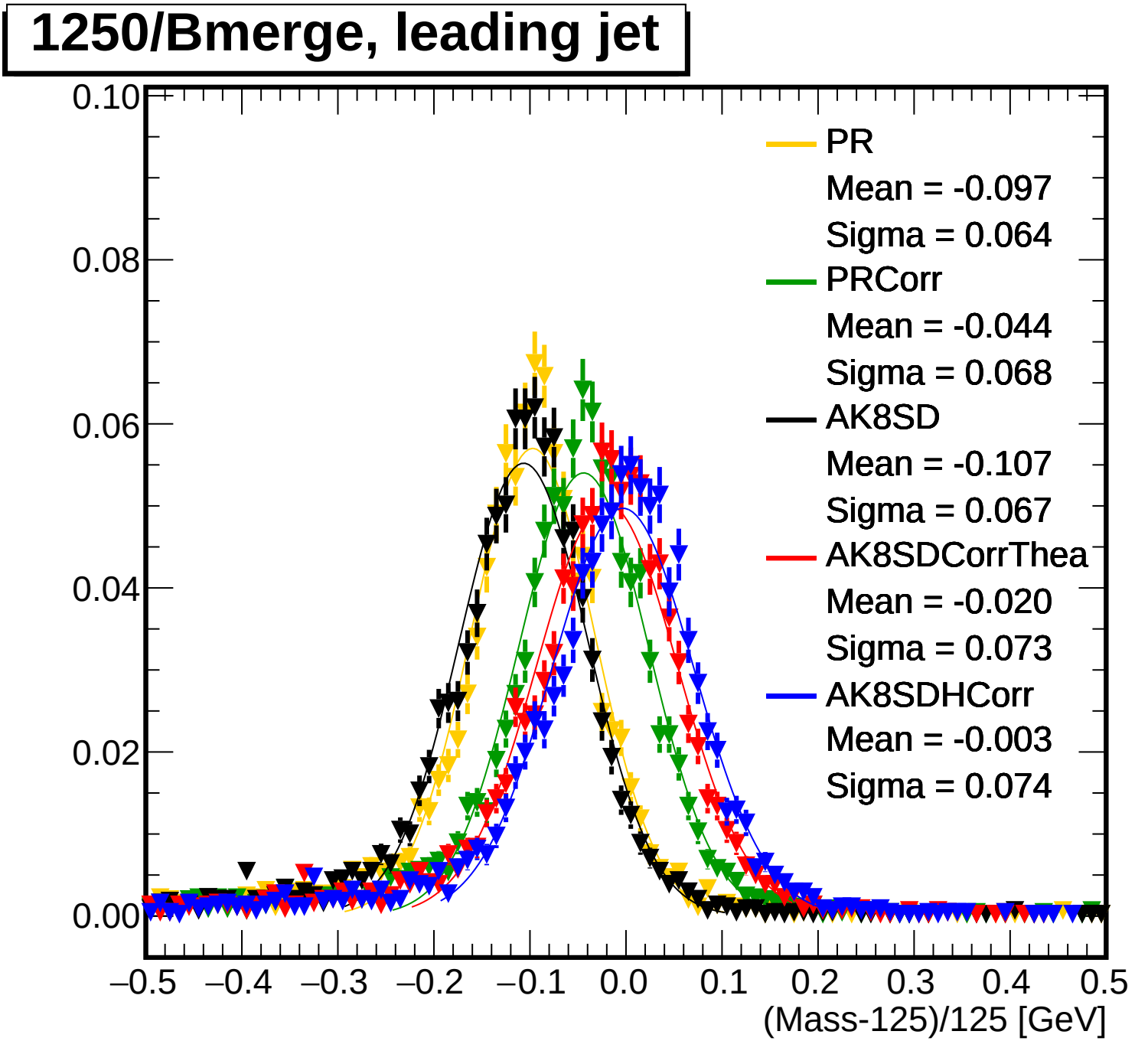
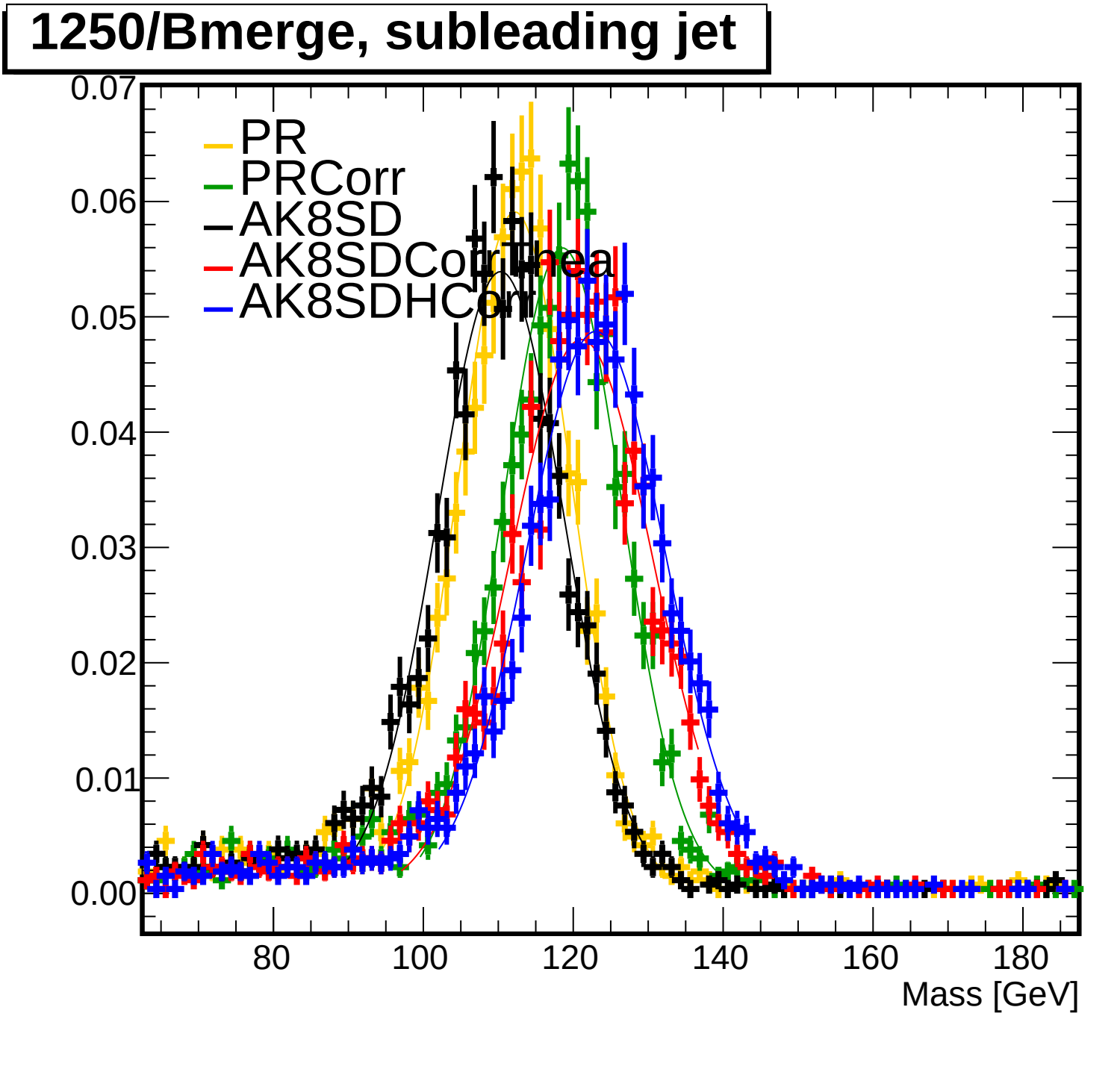
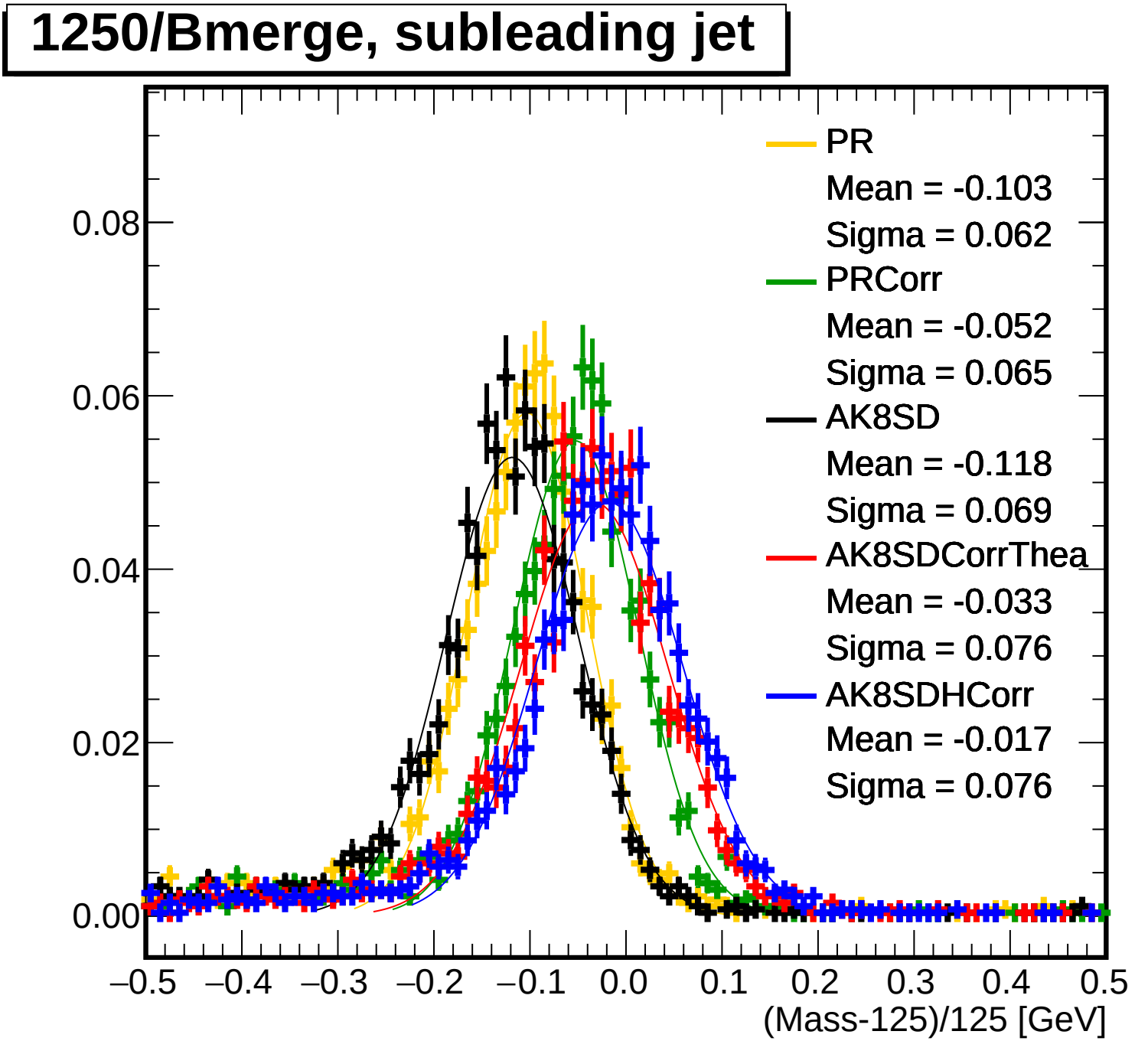
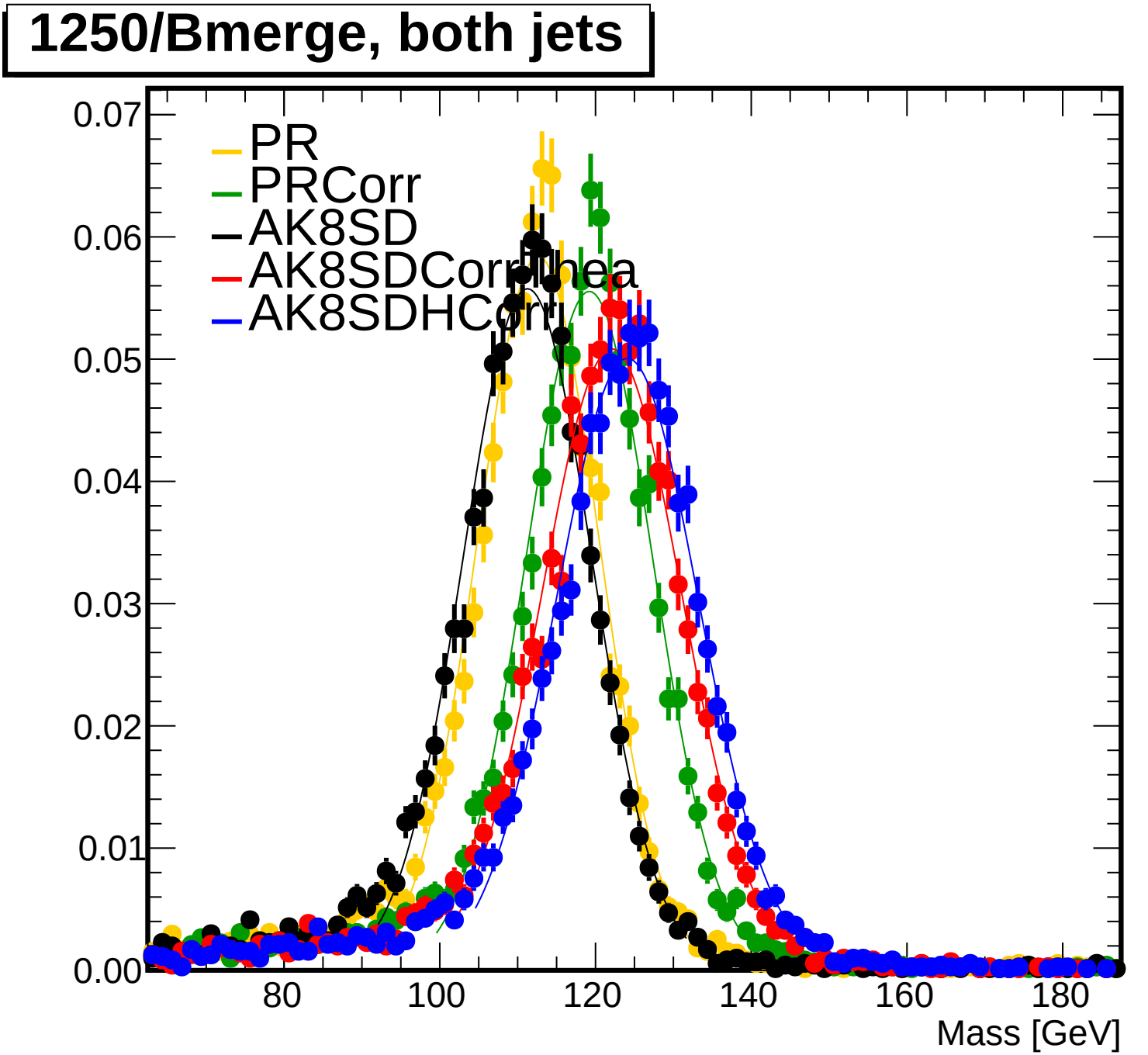
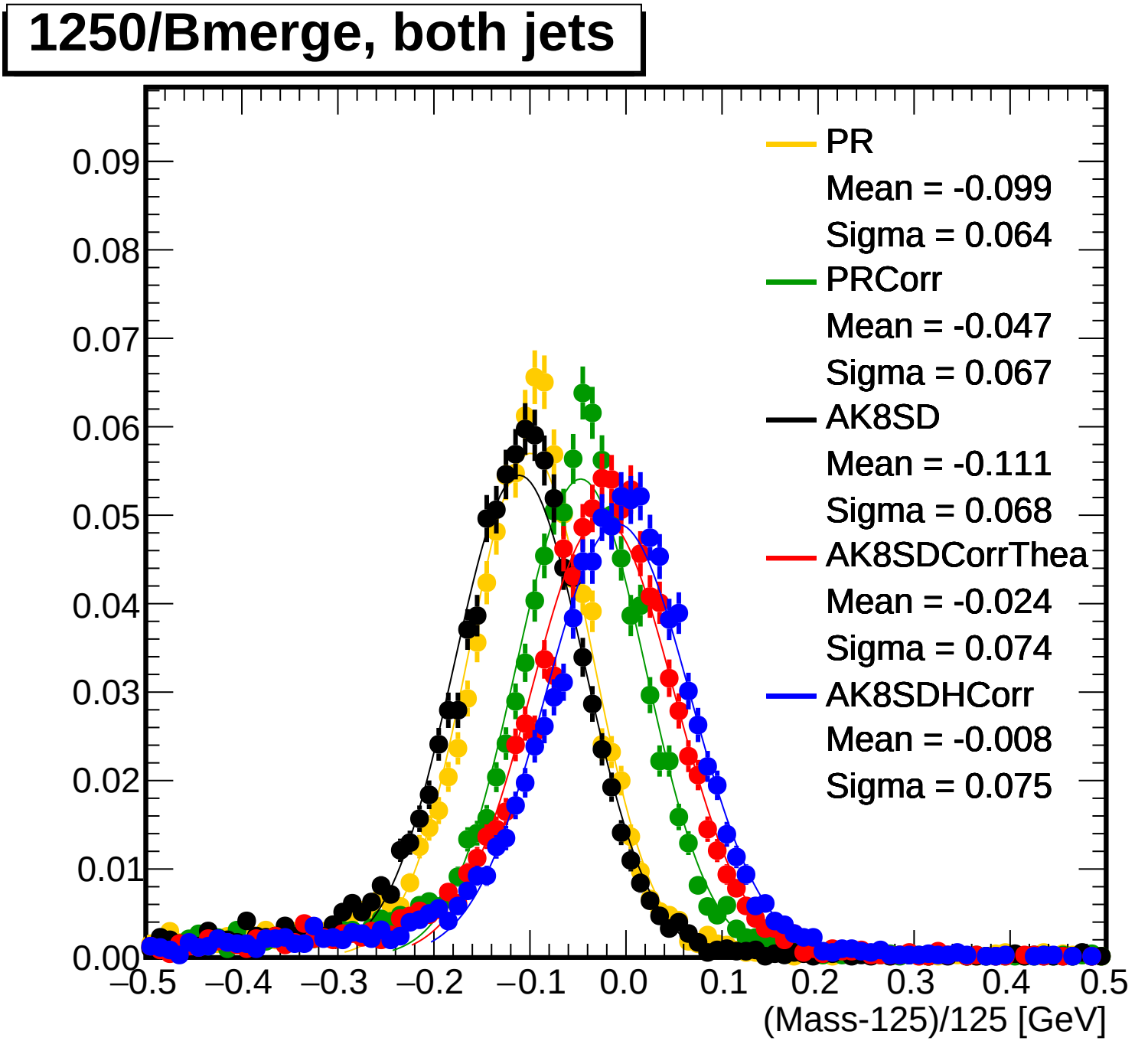

1250/Bmerge, leading jet
PR
PRCorr
AK8SD
AK8SDCorrLinear
AK8SDHCorr
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]

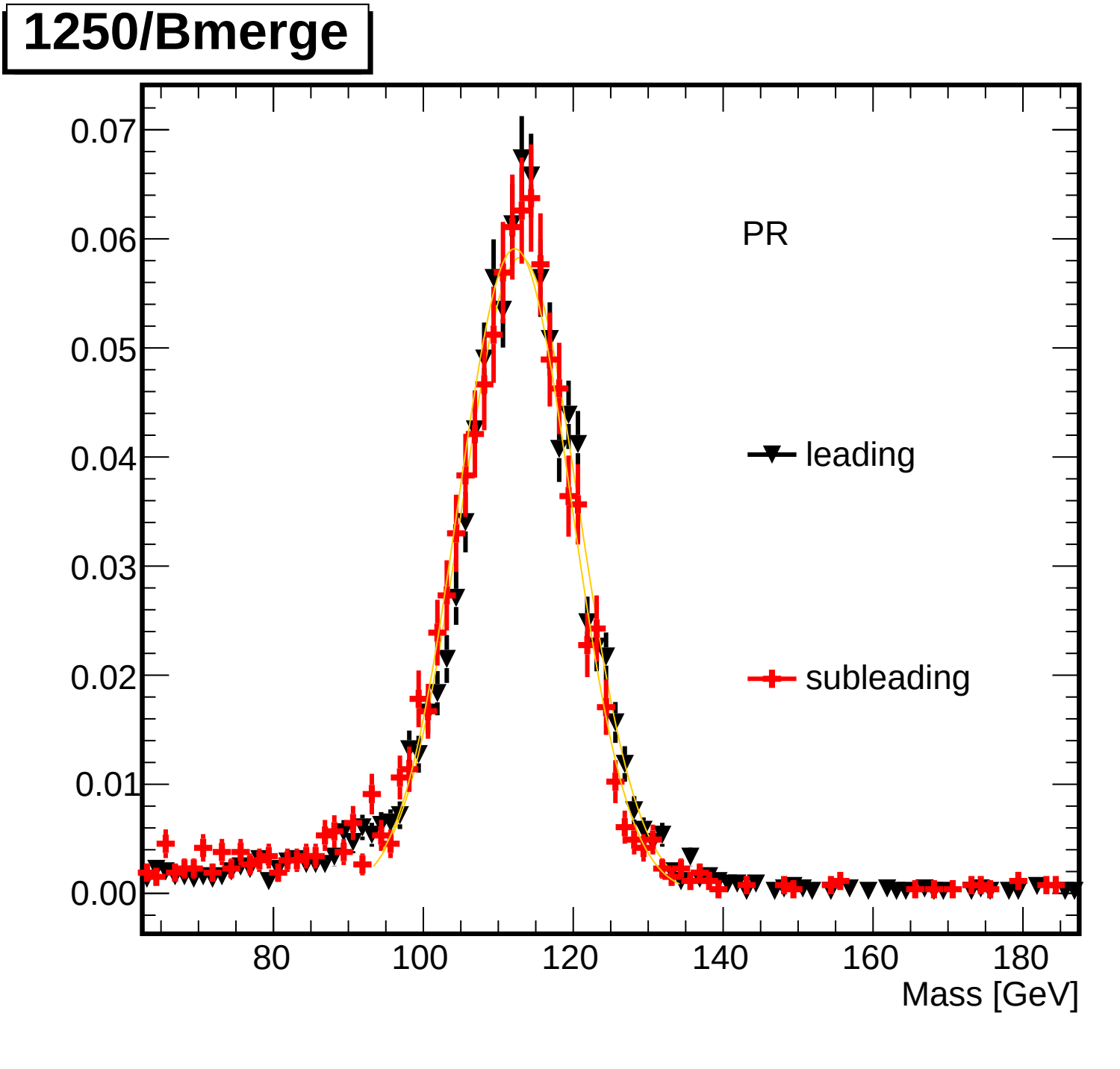

1250/Bmerge, leading jet
PR
Mean = -0.097
Sigma = 0.064
PRCorr
Mean = -0.044
Sigma = 0.068
AK8SD
Mean = -0.107
Sigma = 0.067
AK8SDCorrThea
Mean = -0.020
Sigma = 0.073
AK8SDHCorr
Mean = -0.003
Sigma = 0.074
0.10
0.08
0.06
0.04
0.02
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

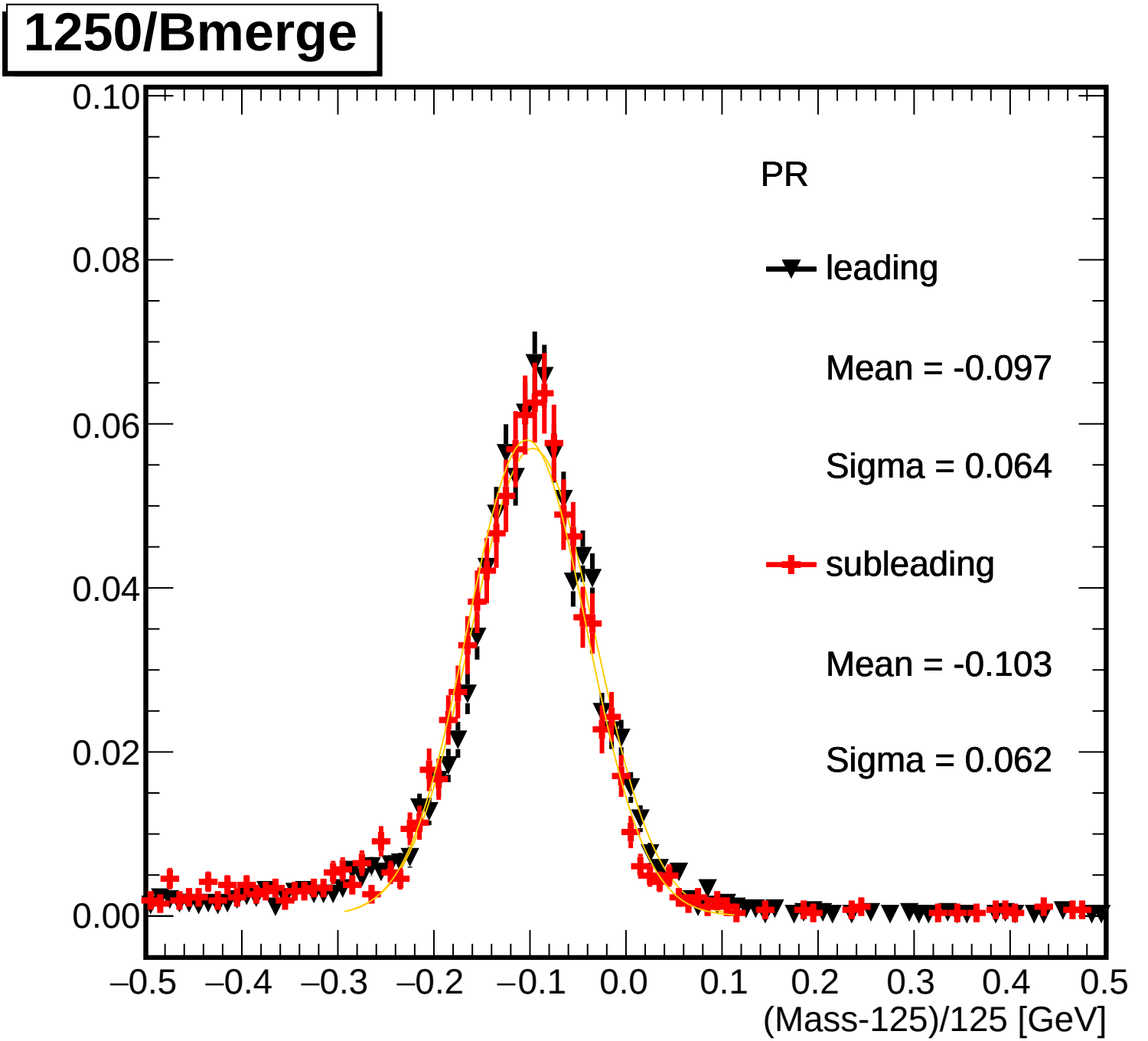

1250/Bmerge, subleading jet
PR
PRCorr
AK8SD
AK8SDCorr
AK8SDHCorr
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]

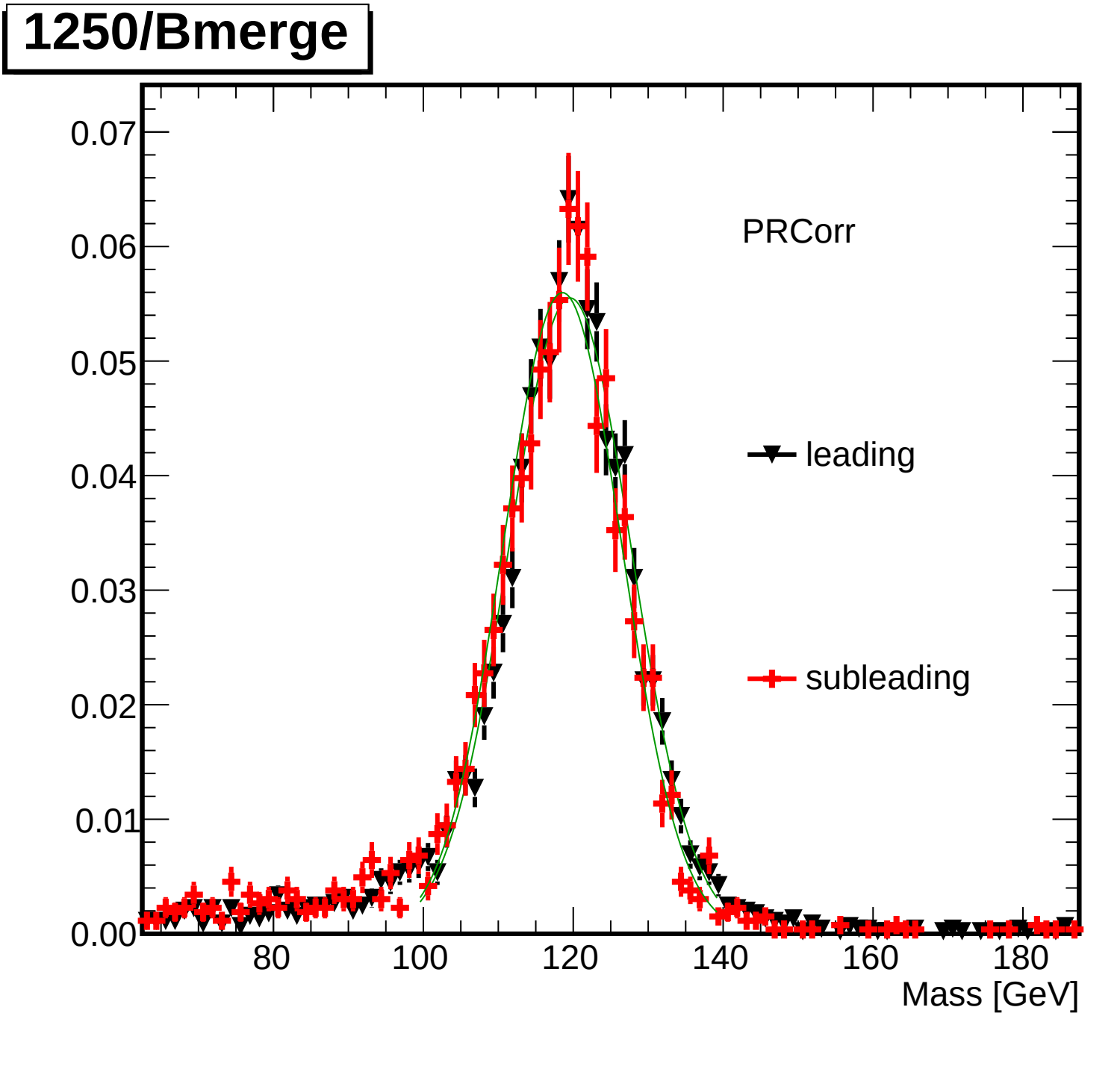

1250/Bmerge, subleading jet
PR
Mean = -0.103
Sigma = 0.062
PRCorr
Mean = -0.052
Sigma = 0.065
AK8SD
Mean = -0.118
Sigma = 0.069
AK8SDCorrThea
Mean = -0.033
Sigma = 0.076
AK8SDHCorr
Mean = -0.017
Sigma = 0.076
0.08
0.06
0.04
0.02
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

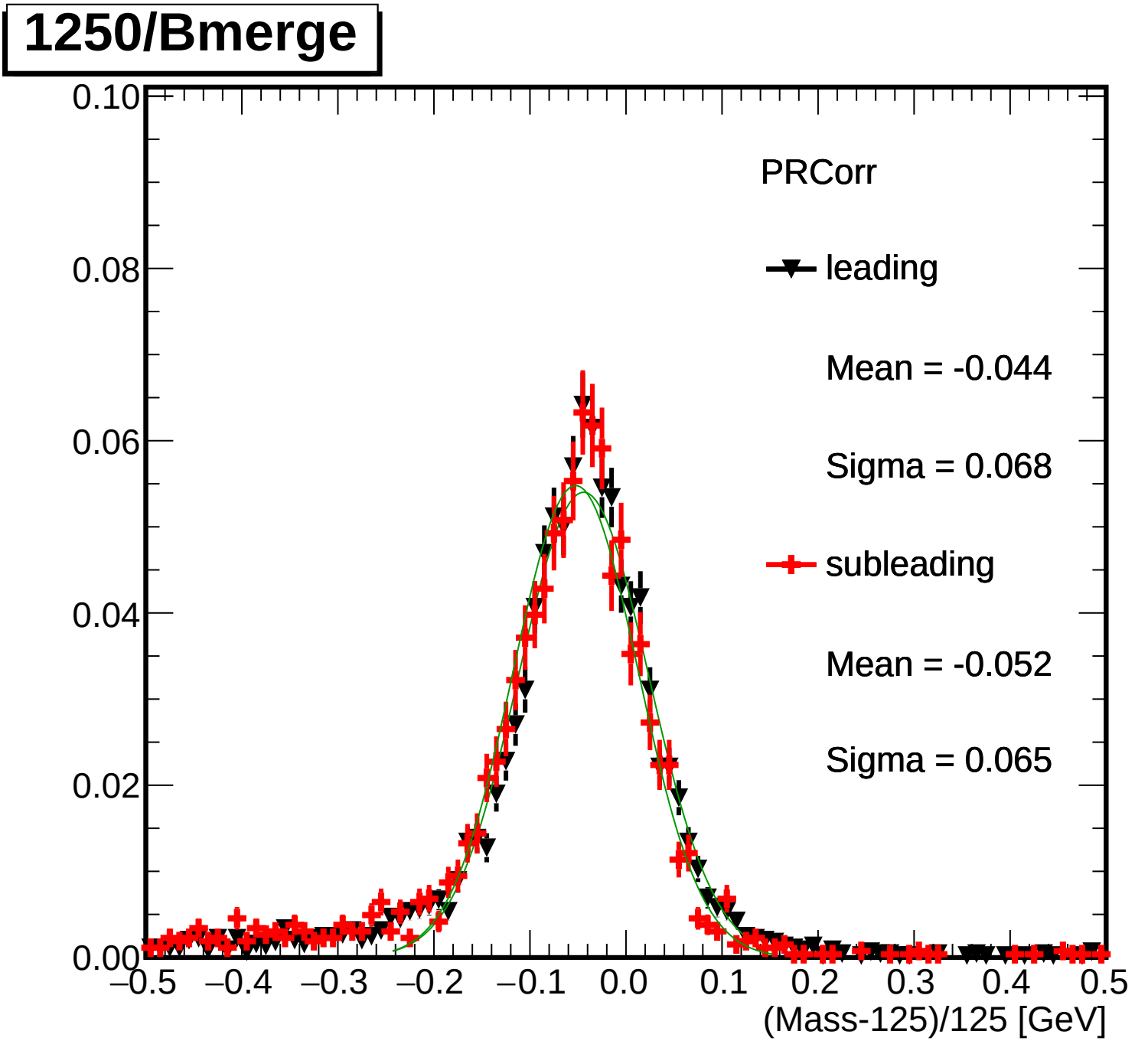

1250/Bmerge, both jets
PR
PRCorr
AK8SD
AK8SDCorrHea
AK8SDHCorr
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]


1250/Bmerge, both jets
PR
Mean = -0.099
Sigma = 0.064
PRCorr
Mean = -0.047
Sigma = 0.067
AK8SD
Mean = -0.111
Sigma = 0.068
AK8SDCorrThea
Mean = -0.024
Sigma = 0.074
AK8SDHCorr
Mean = -0.008
Sigma = 0.075
0.09
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]

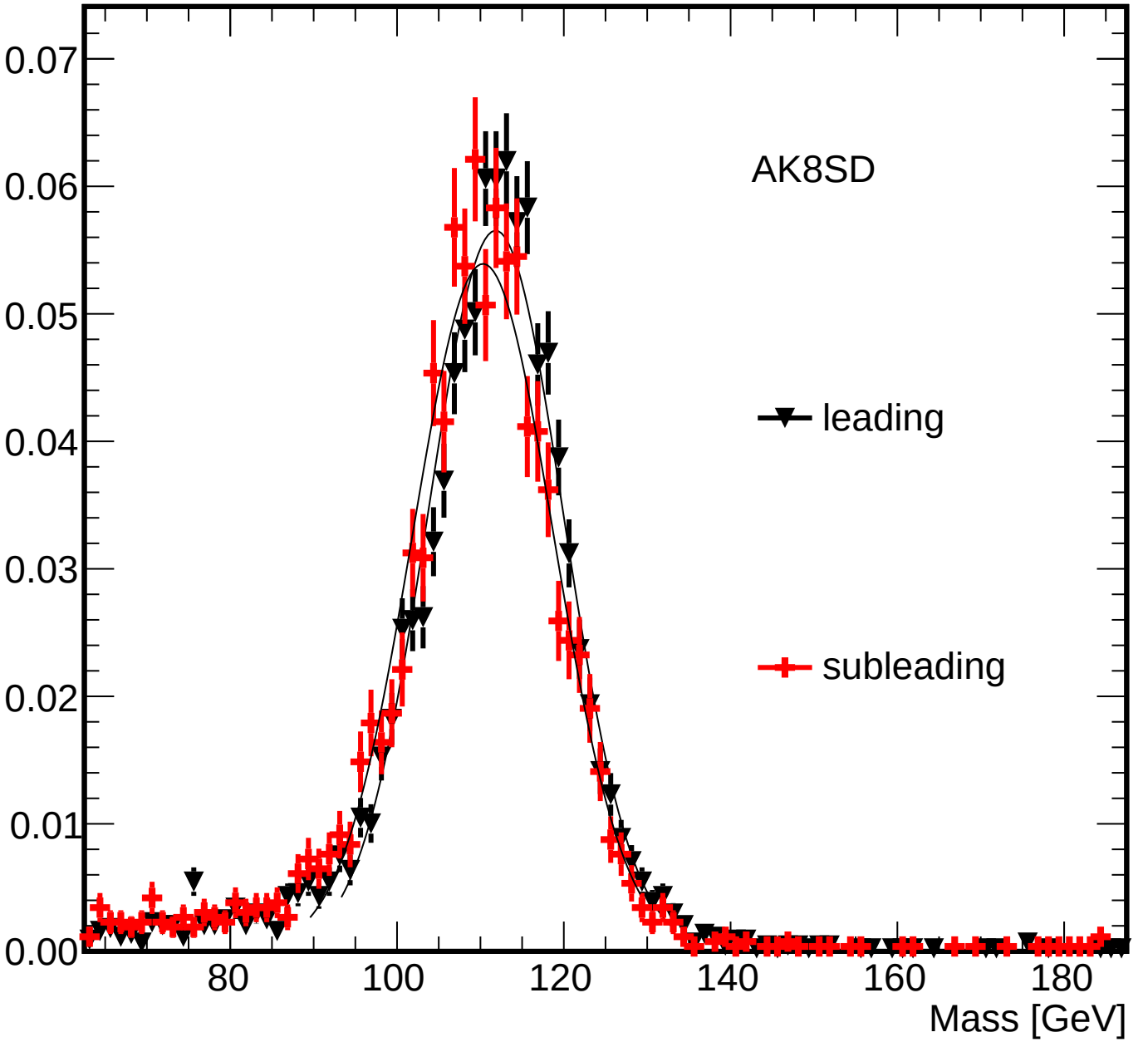

1250/Bmerge
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]
PR
leading
subleading

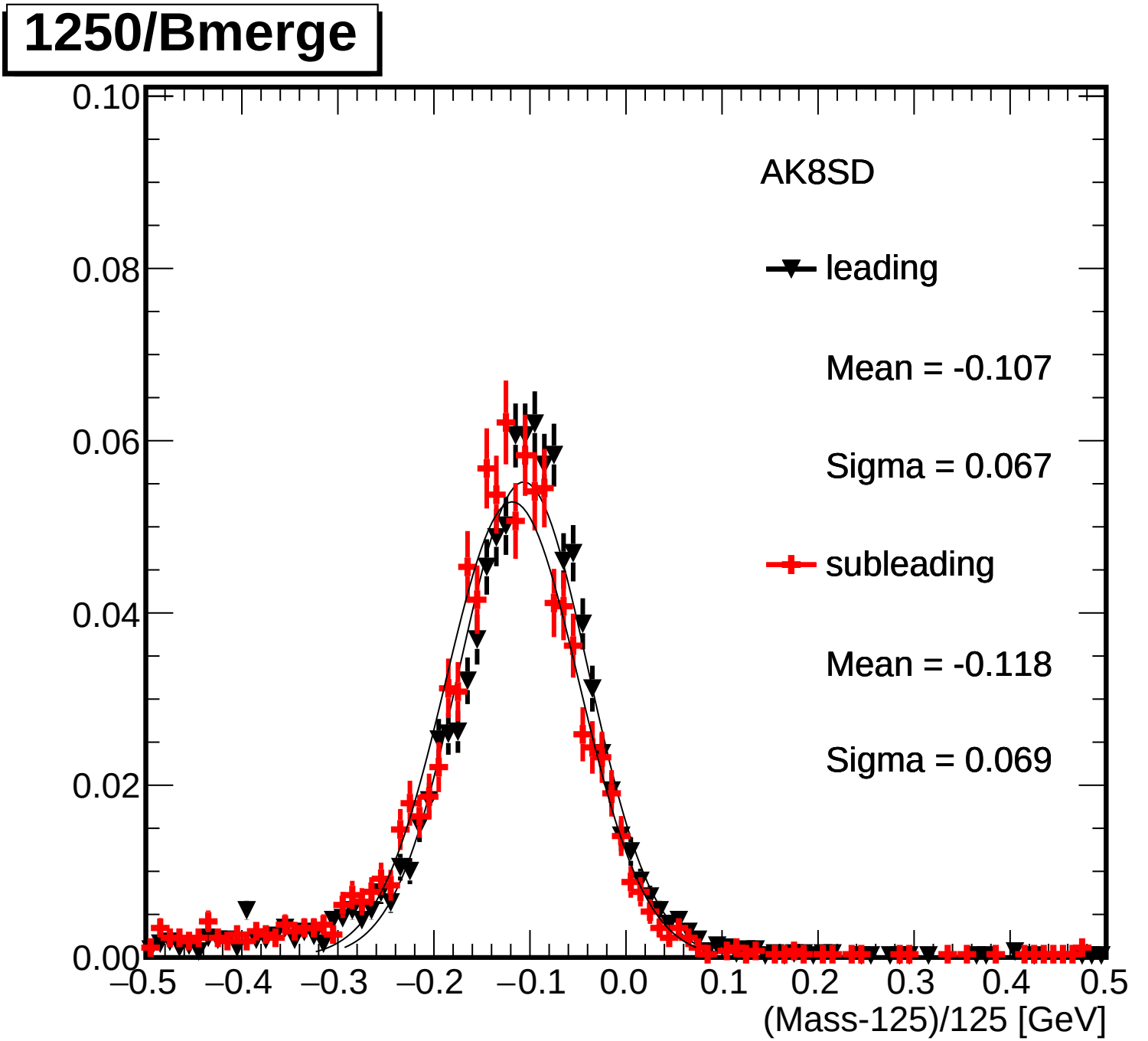

1250/Bmerge
PR
leading
Mean = -0.097
Sigma = 0.064
subleading
Mean = -0.103
Sigma = 0.062
0.10
0.08
0.06
0.04
0.02
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

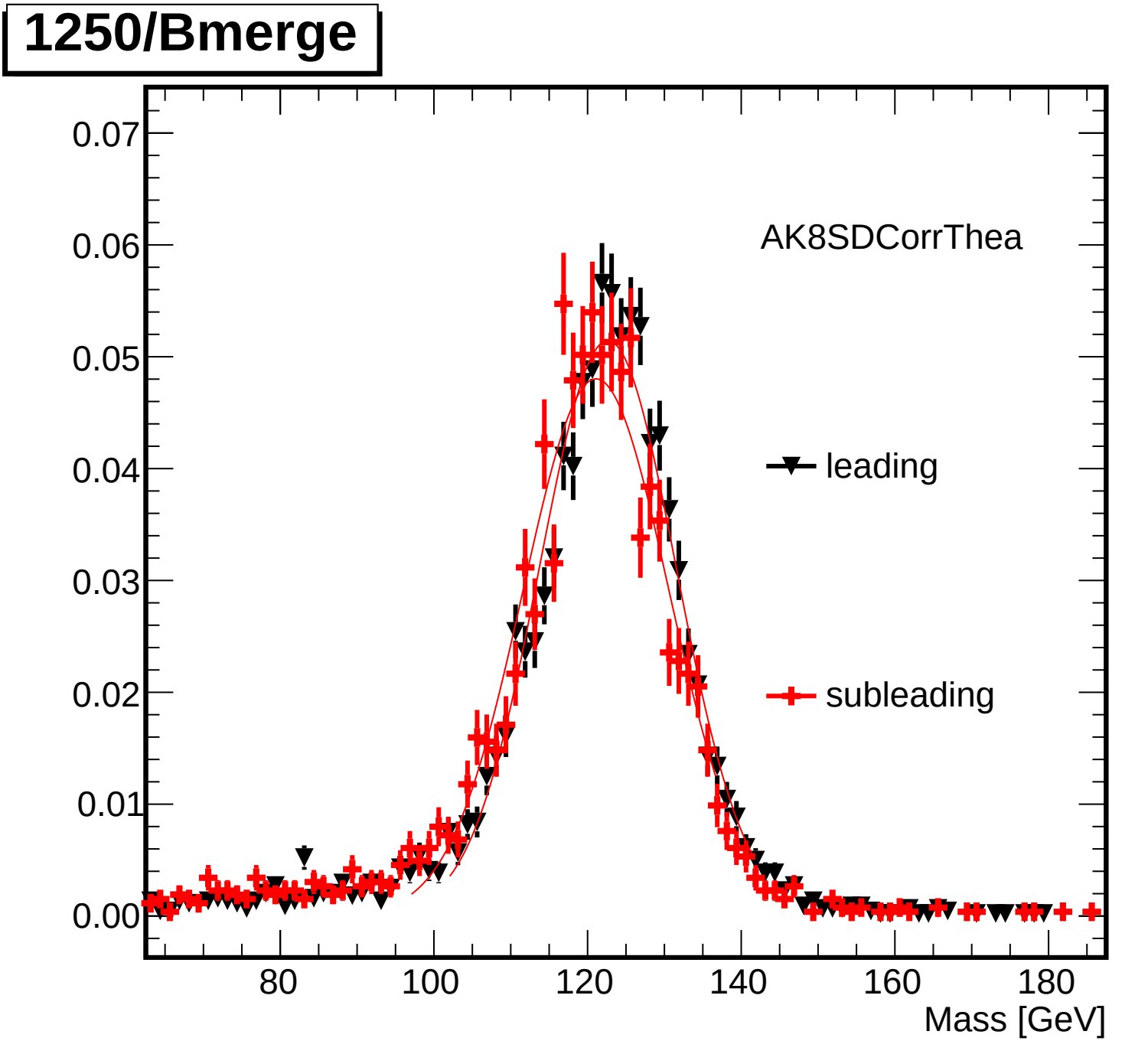

1250/Bmerge
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]
PRCorr
leading
subleading

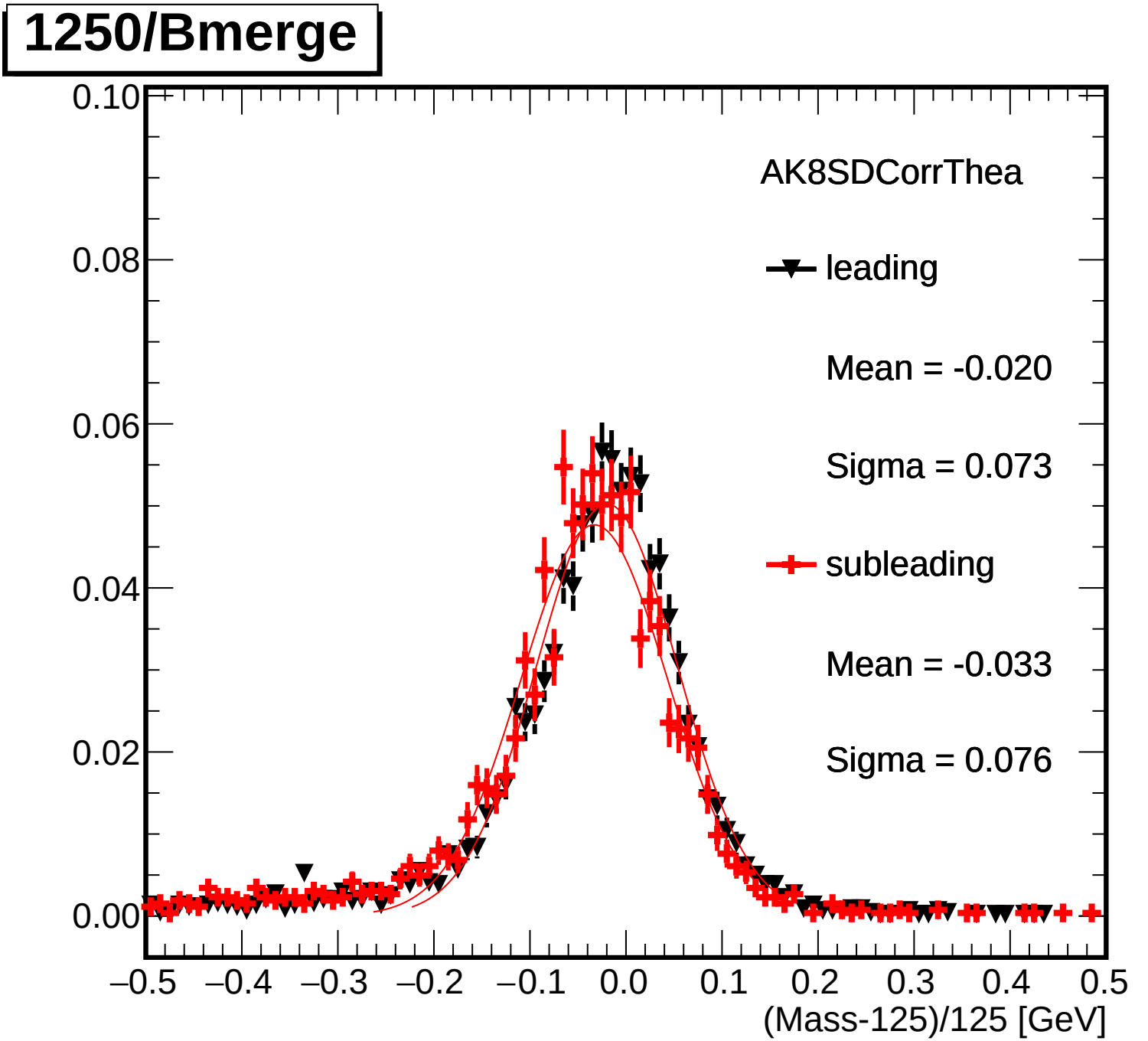

1250/Bmerge
PRCorr
leading
Mean = -0.044
Sigma = 0.068
subleading
Mean = -0.052
Sigma = 0.065
0.10
0.08
0.06
0.04
0.02
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

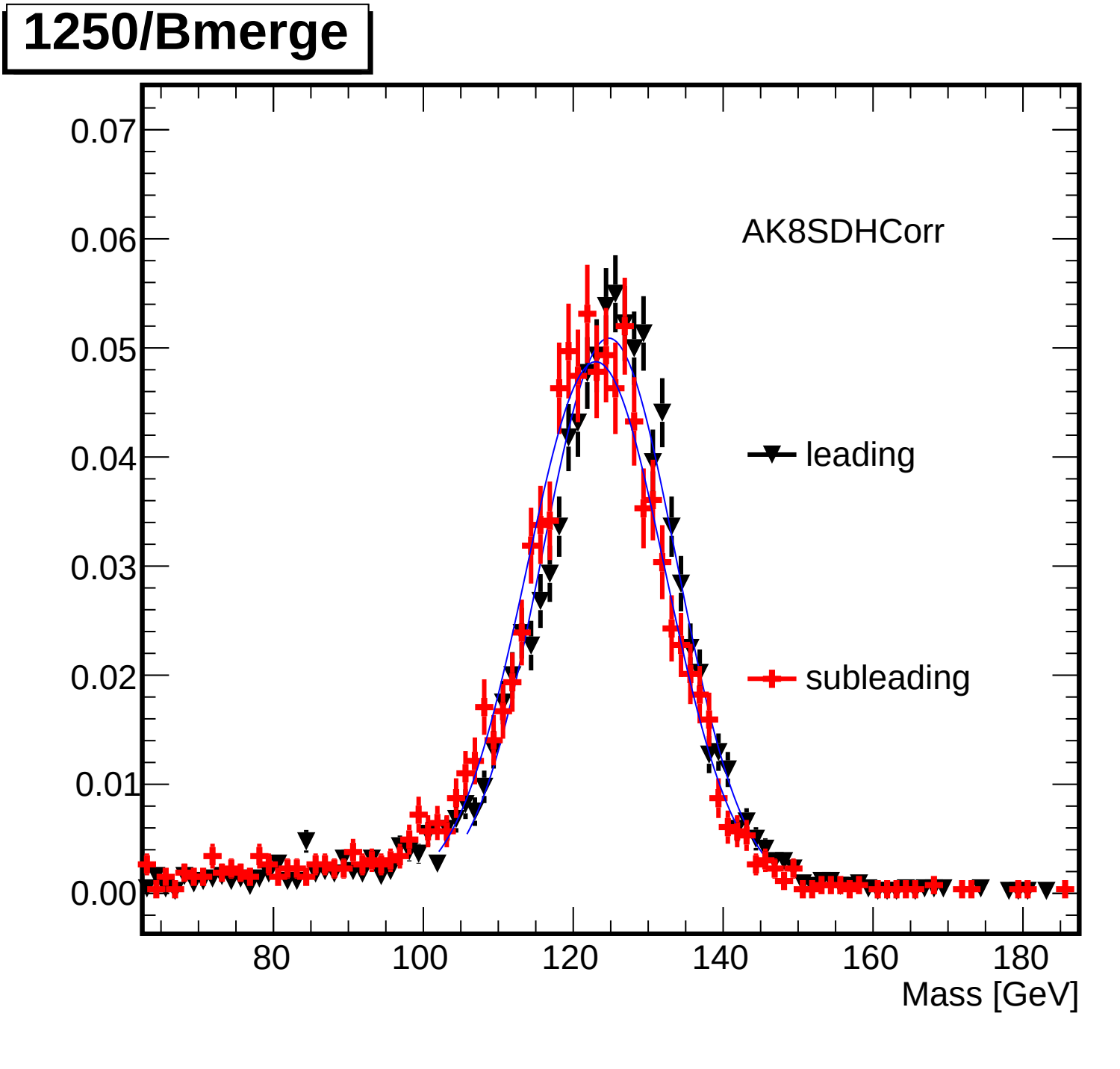
1250/Bmerge

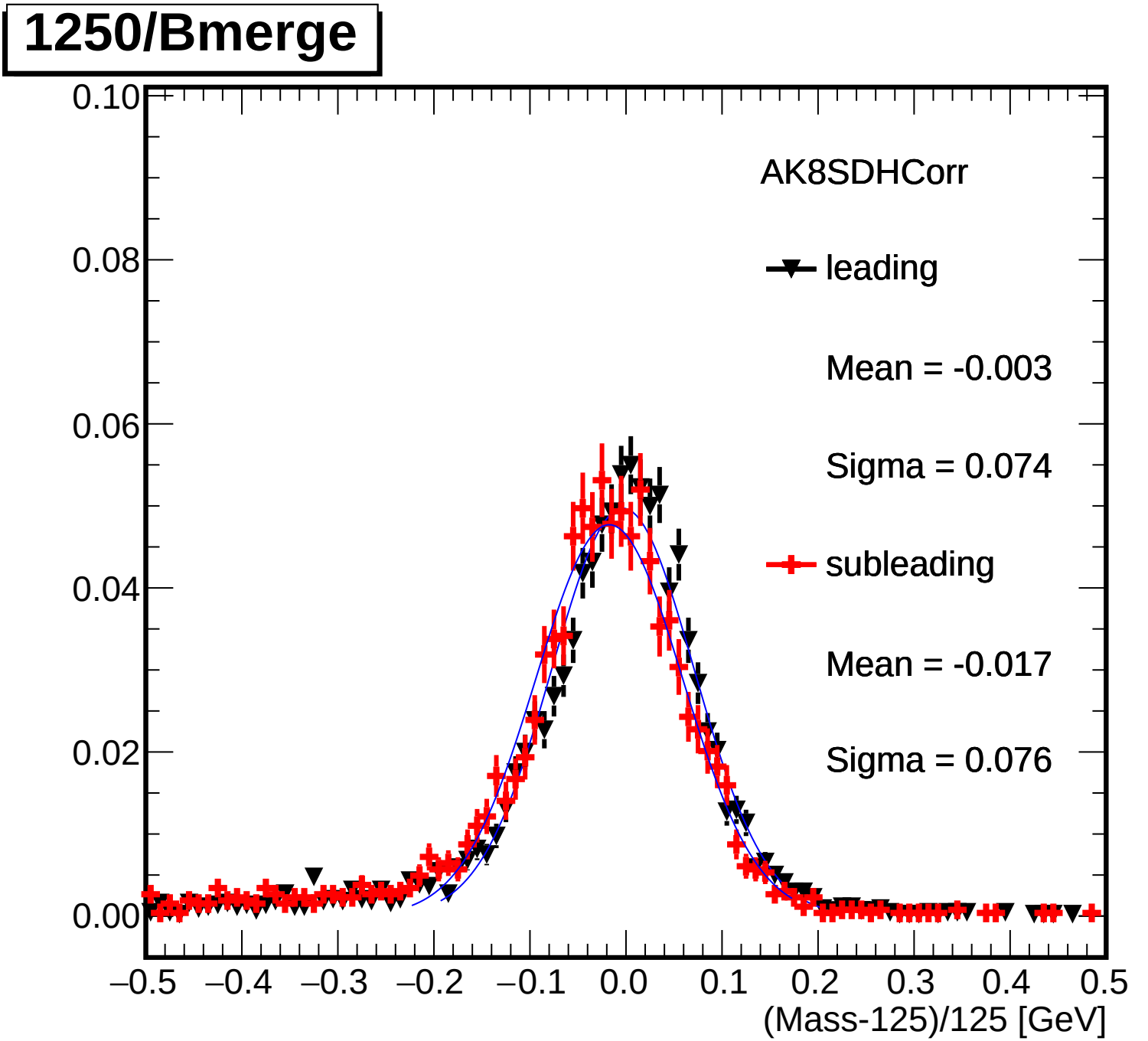

AK8SD
leading
subleading
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]


1250/Bmerge
AK8SD
leading
Mean = -0.107
Sigma = 0.067
subleading
Mean = -0.118
Sigma = 0.069
0.10
0.08
0.06
0.04
0.02
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]


1250/Bmerge
AK8SDCorrThea
leading
subleading
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]


1250/Bmerge
AK8SDCorrThea
leading
Mean = -0.020
Sigma = 0.073
subleading
Mean = -0.033
Sigma = 0.076
0.10
0.08
0.06
0.04
0.02
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]


1250/Bmerge
AK8SDHCorr
leading
subleading
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
80
100
120
140
160
180
Mass [GeV]


1250/Bmerge
AK8SDHCorr
leading
Mean = -0.003
Sigma = 0.074
subleading
Mean = -0.017
Sigma = 0.076
0.10
0.08
0.06
0.04
0.02
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]