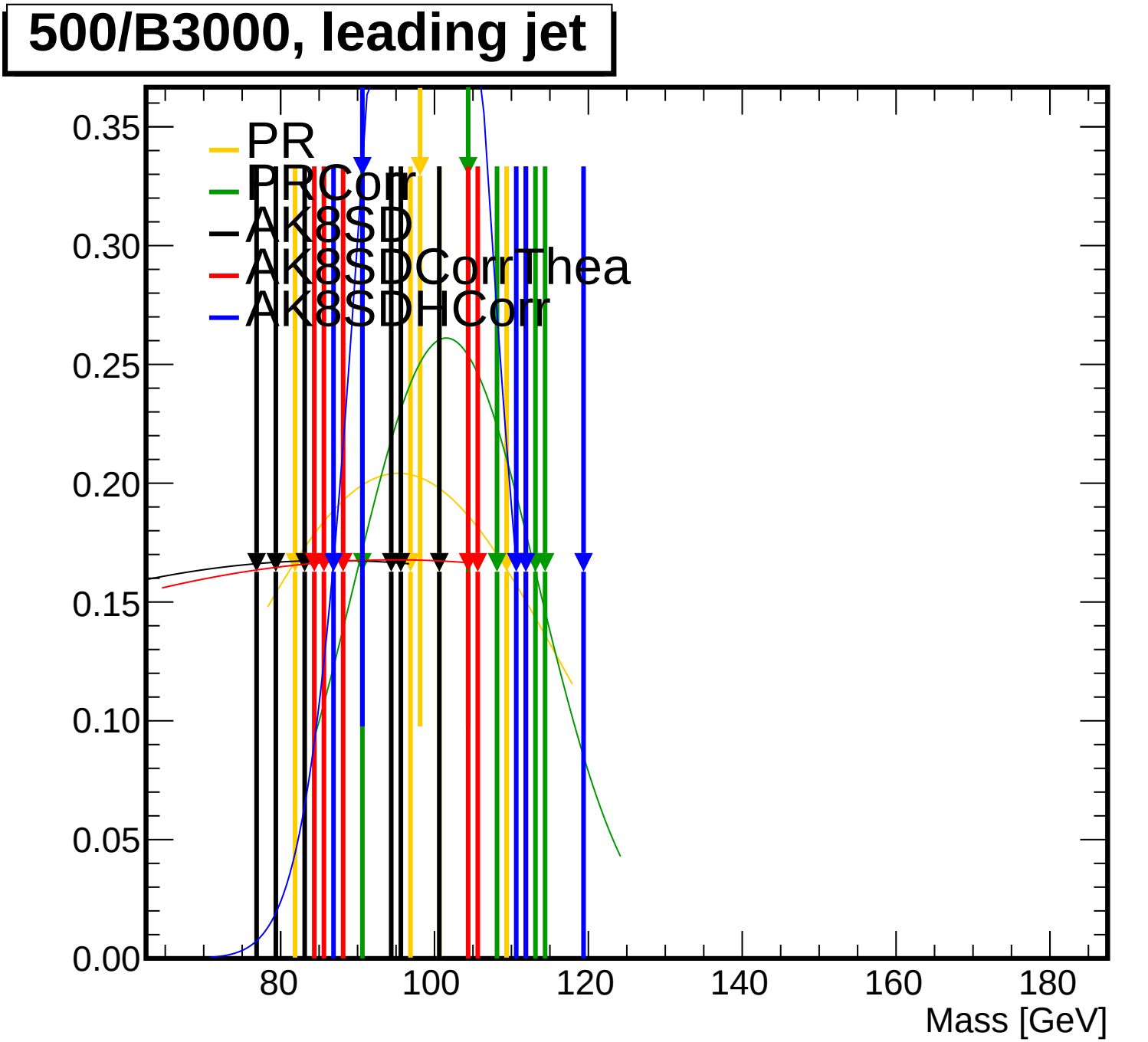
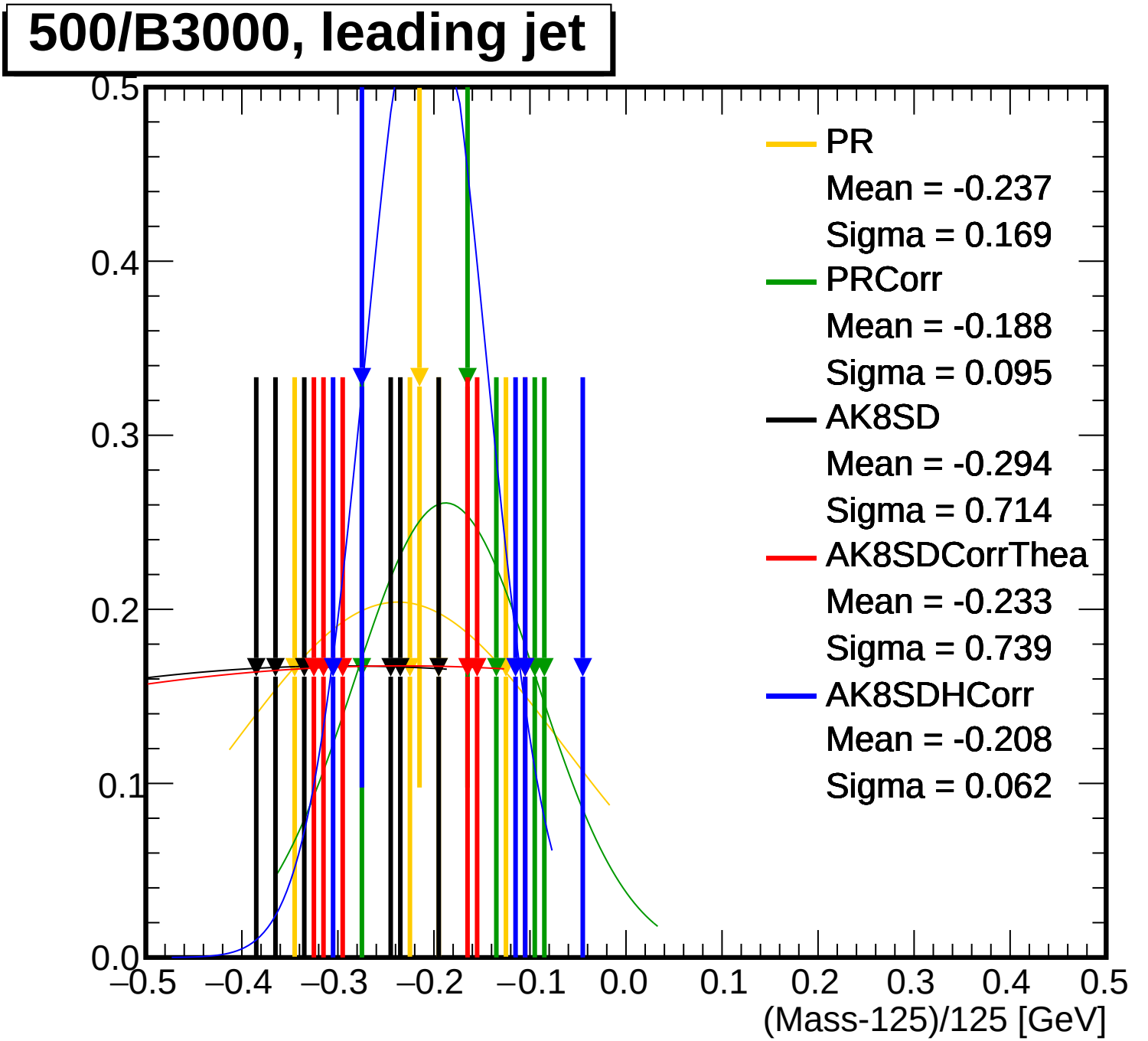
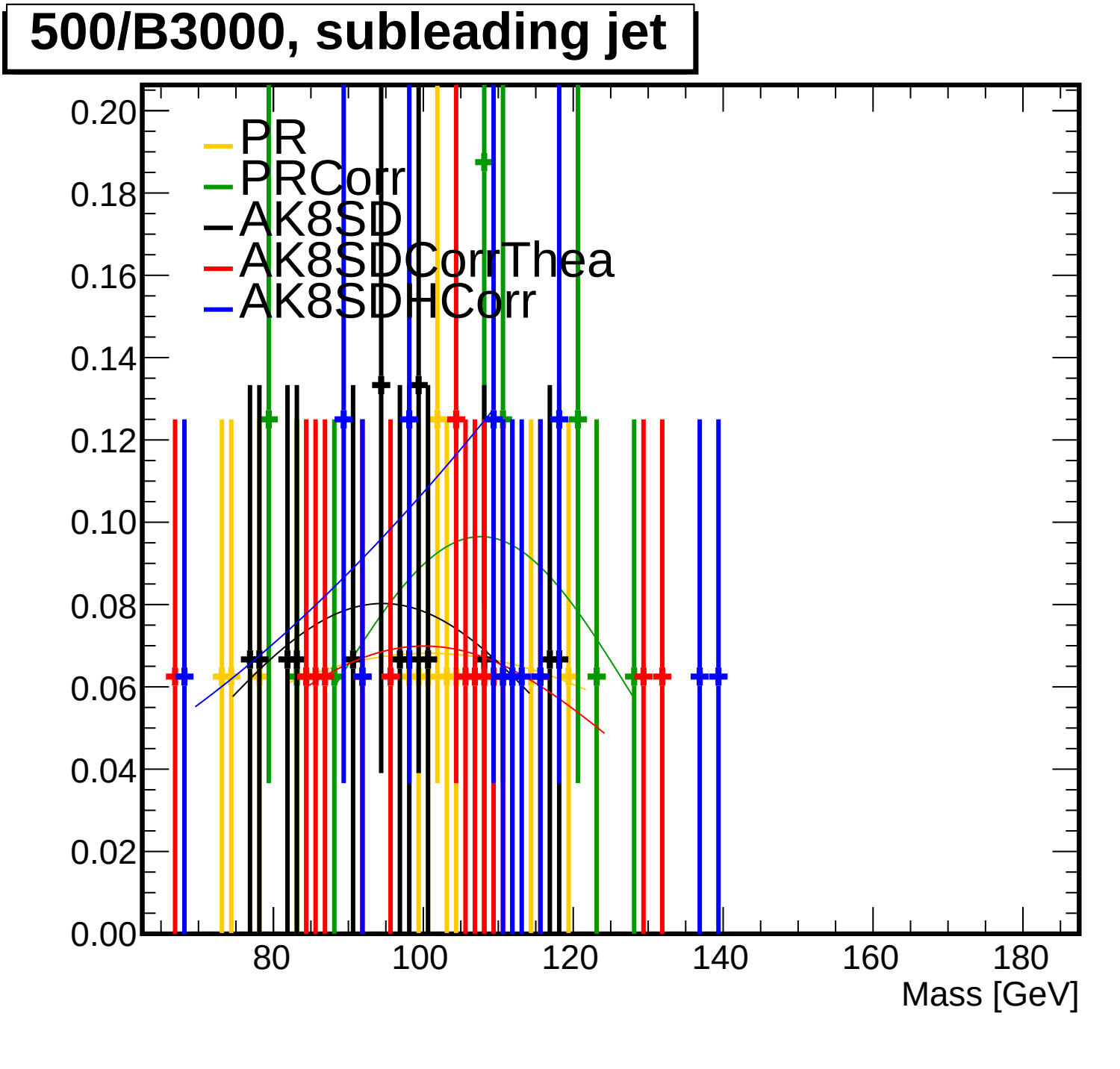
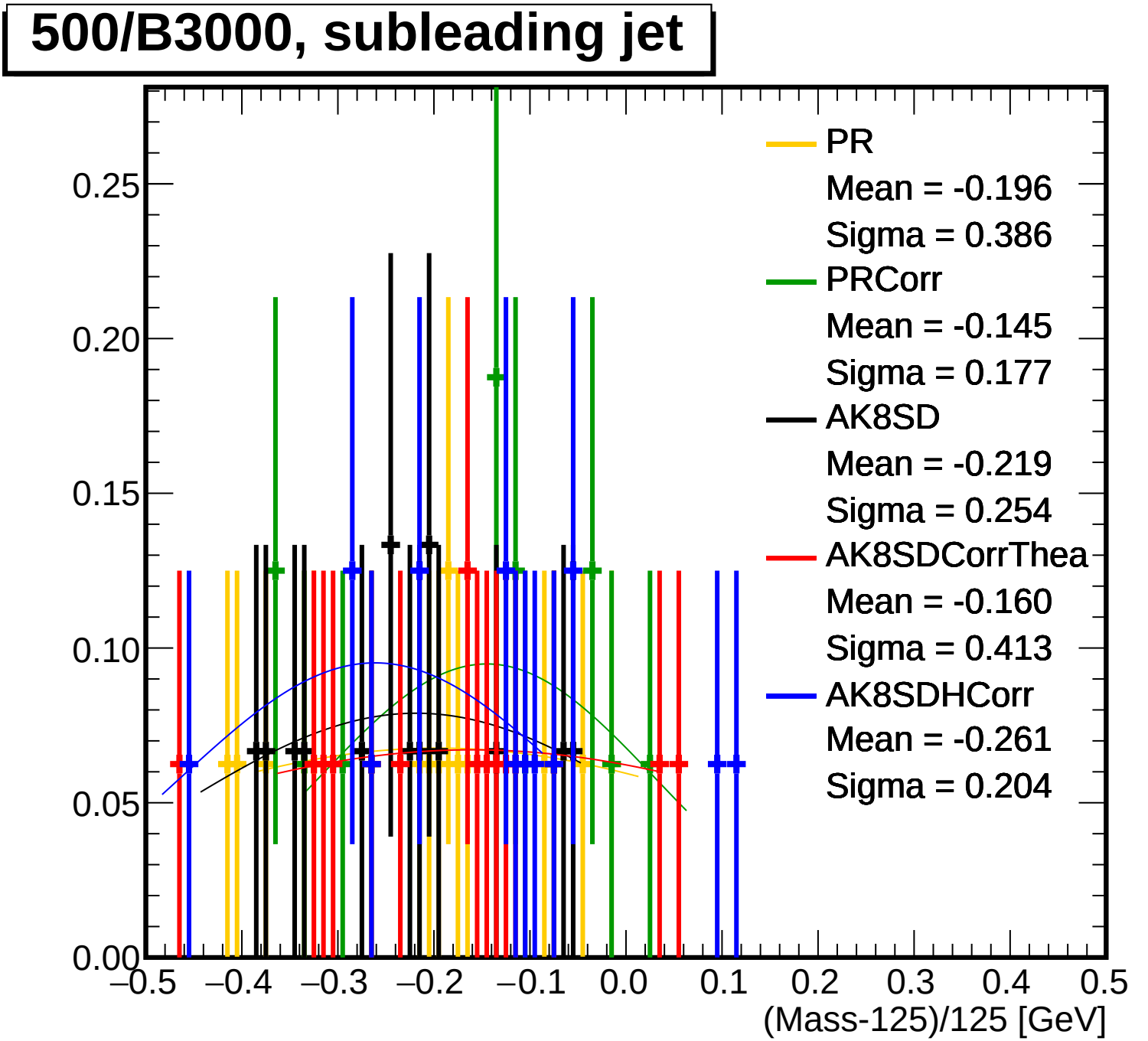
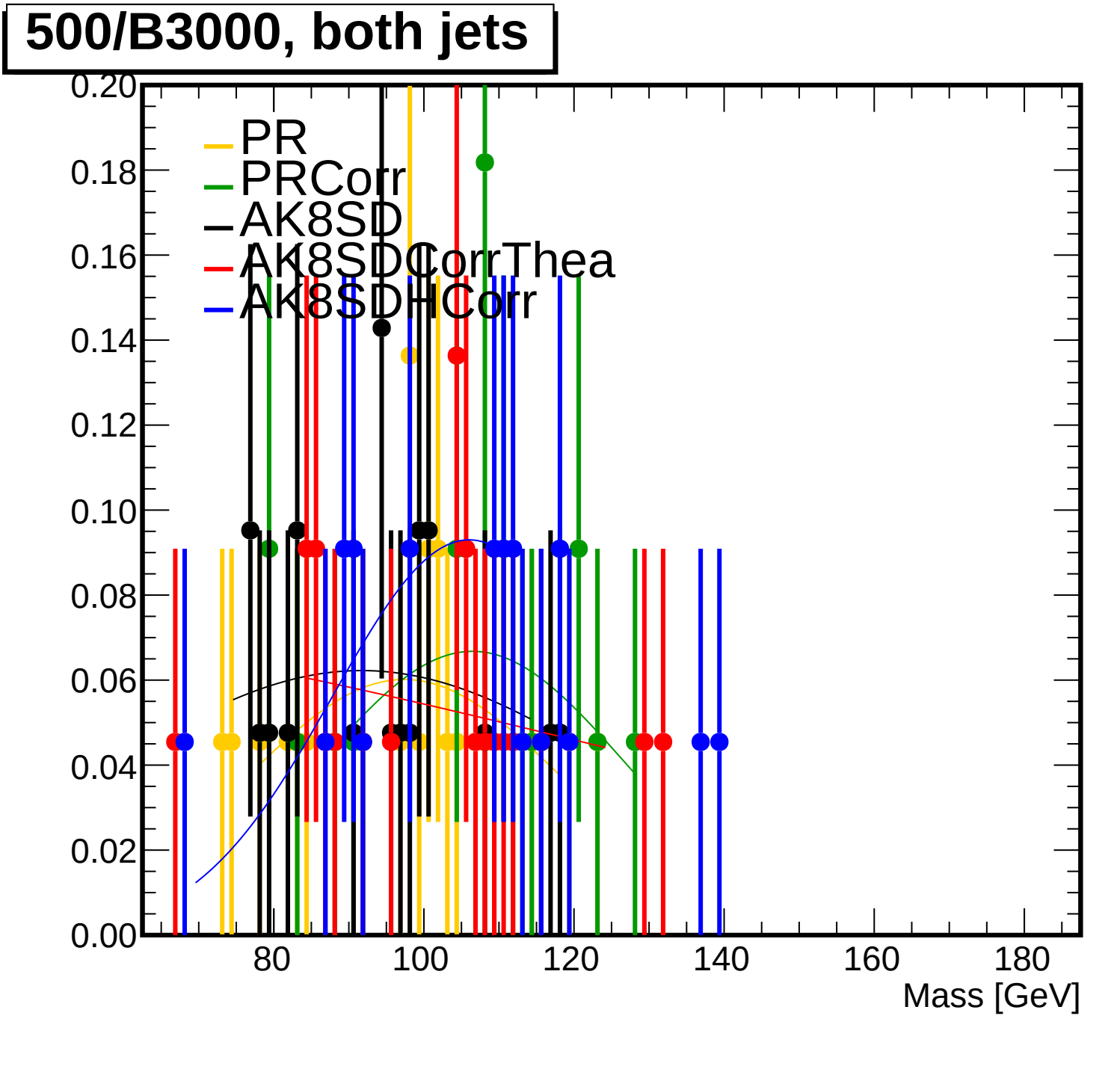
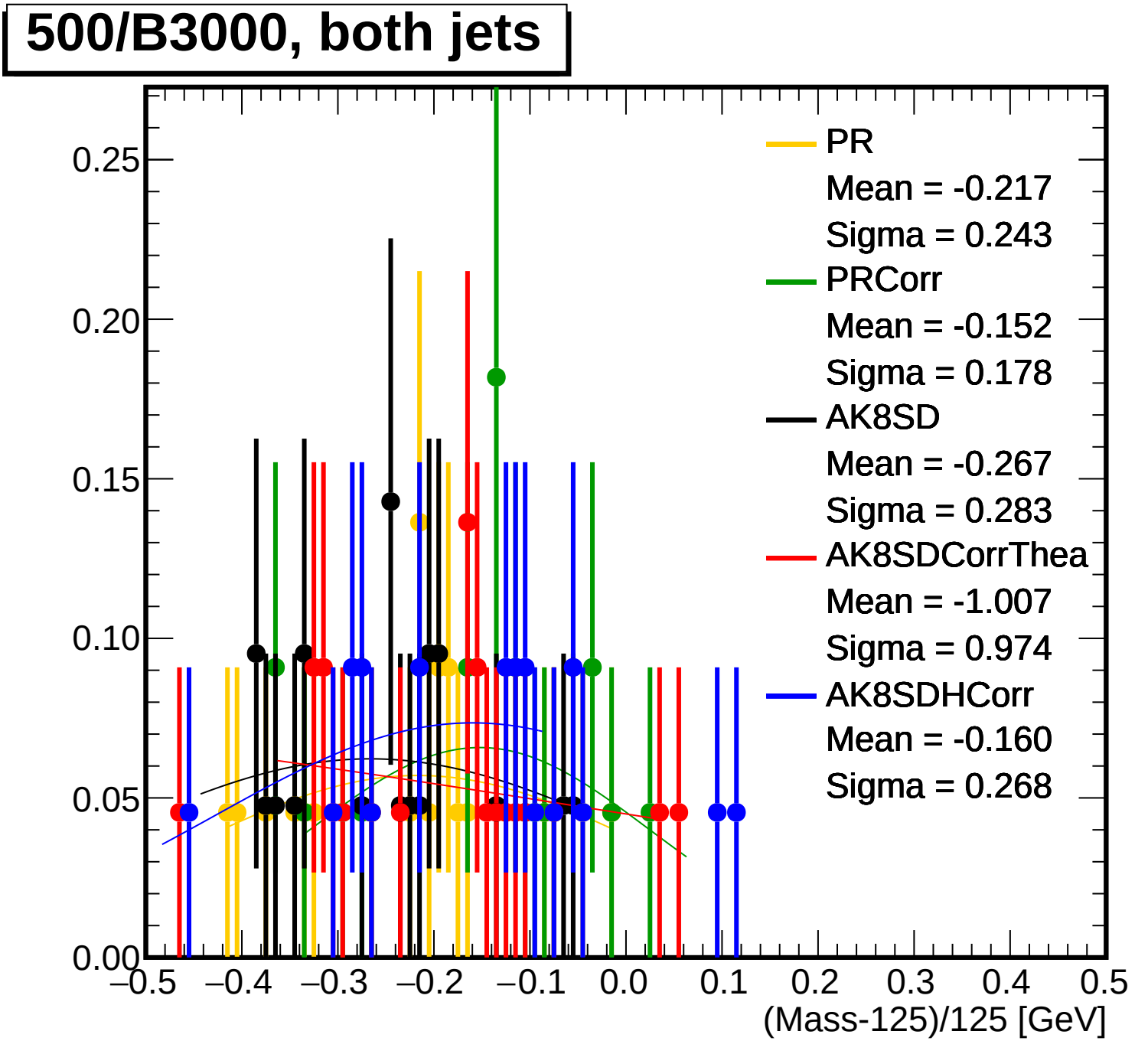

500/B3000, leading jet
PR
PRCorr
AK8SD
AK8SDCorrThea
AK8SDHCorr
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
80
100
120
140
160
180
Mass [GeV]

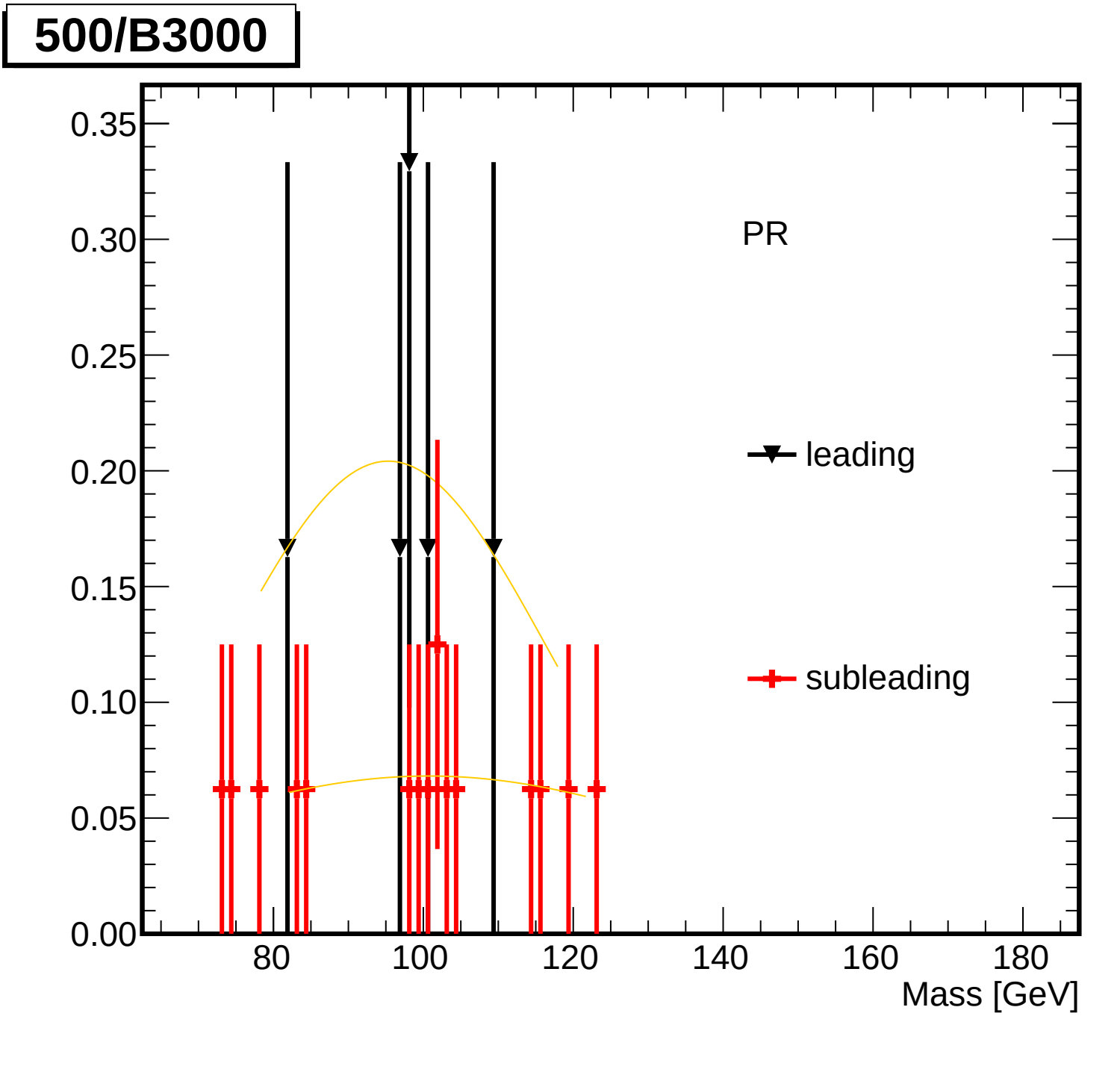

500/B3000, leading jet
PR
Mean = -0.237
Sigma = 0.169
PRCorr
Mean = -0.188
Sigma = 0.095
AK8SD
Mean = -0.294
Sigma = 0.714
AK8SDCorrThea
Mean = -0.233
Sigma = 0.739
AK8SDHCorr
Mean = -0.208
Sigma = 0.062
0.5
0.4
0.3
0.2
0.1
0.0
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

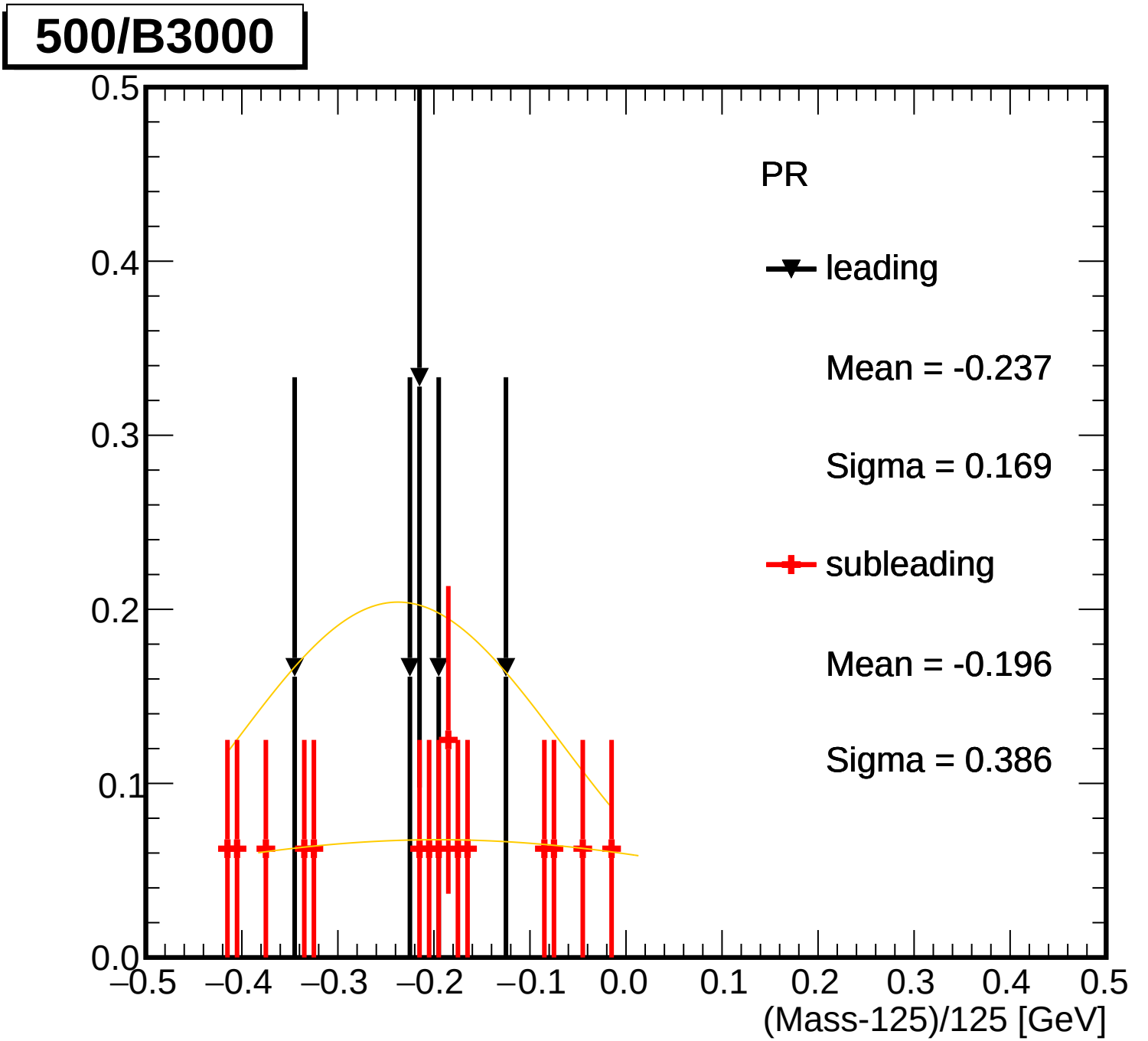

500/B3000, subleading jet
PR
PRCorr
AK8SD
AK8SDCorrThea
AK8SDHCorr
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
80
100
120
140
160
180
Mass [GeV]

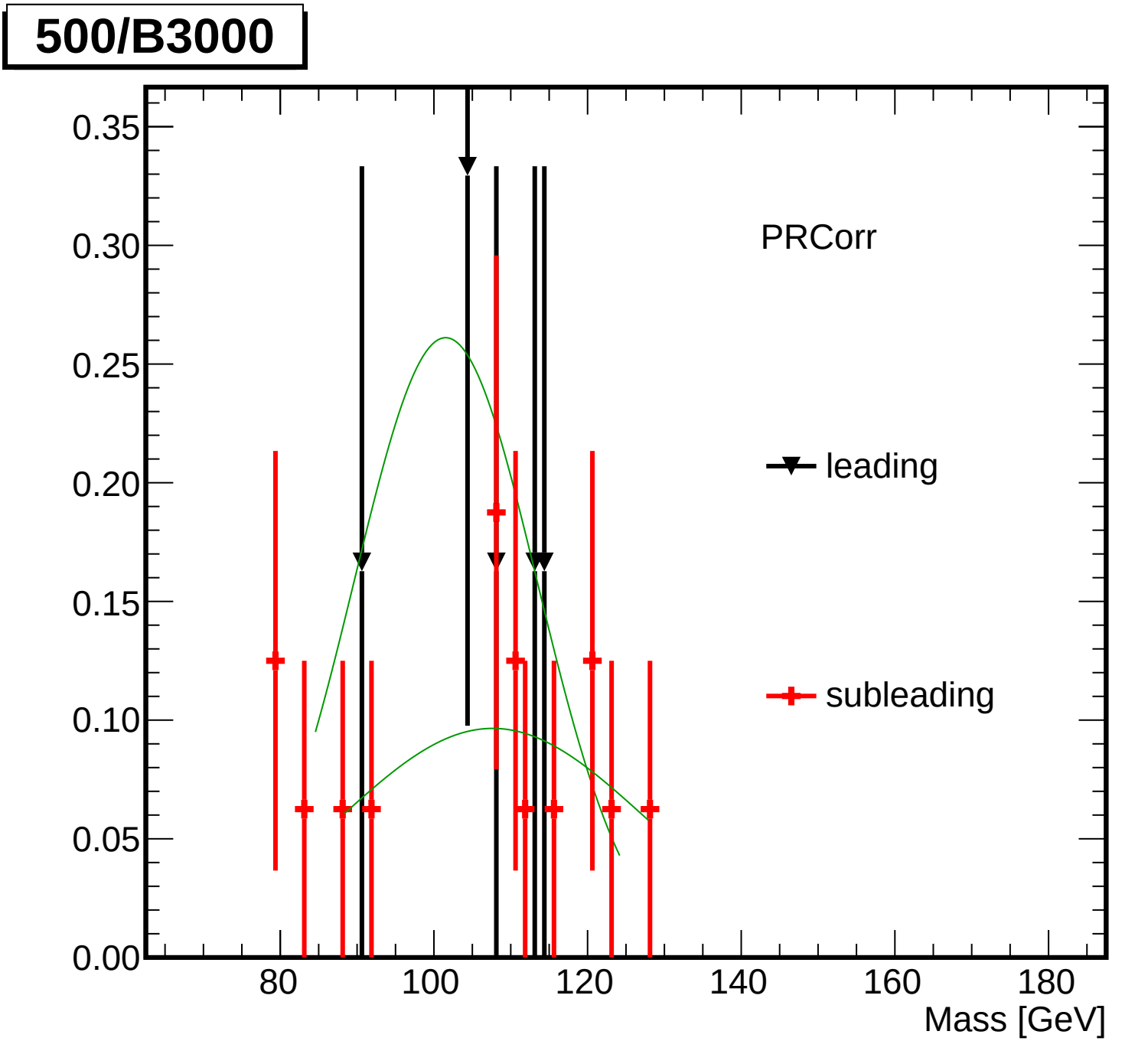

500/B3000, subleading jet
PR
Mean = -0.196
Sigma = 0.386
PRCorr
Mean = -0.145
Sigma = 0.177
AK8SD
Mean = -0.219
Sigma = 0.254
AK8SDCorrThea
Mean = -0.160
Sigma = 0.413
AK8SDHCorr
Mean = -0.261
Sigma = 0.204
0.25
0.20
0.15
0.10
0.05
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

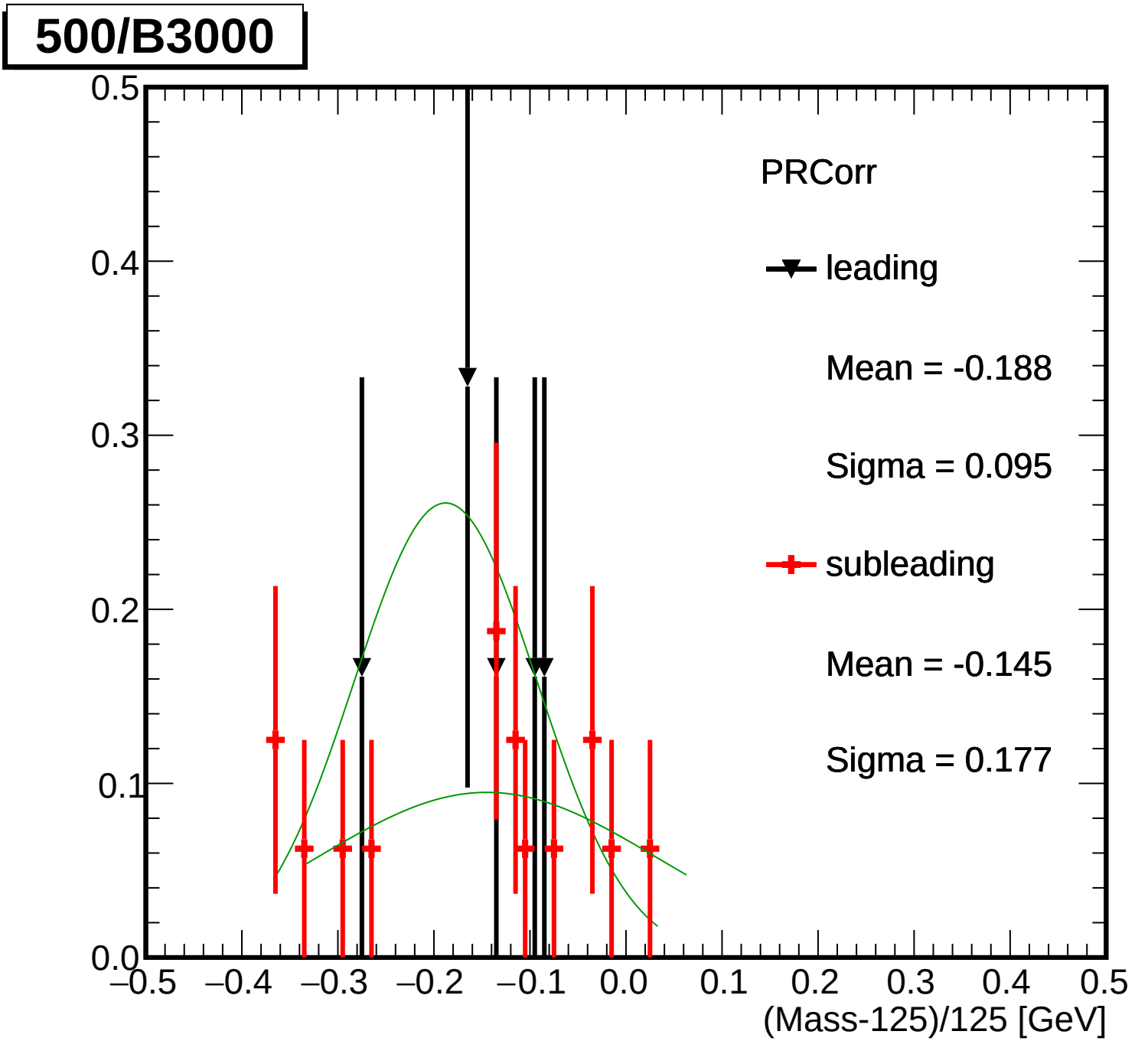

500/B3000, both jets
PR
PRCorr
AK8SD
AK8SDCorrThea
AK8SDHCorr
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
80
100
120
140
160
180
Mass [GeV]

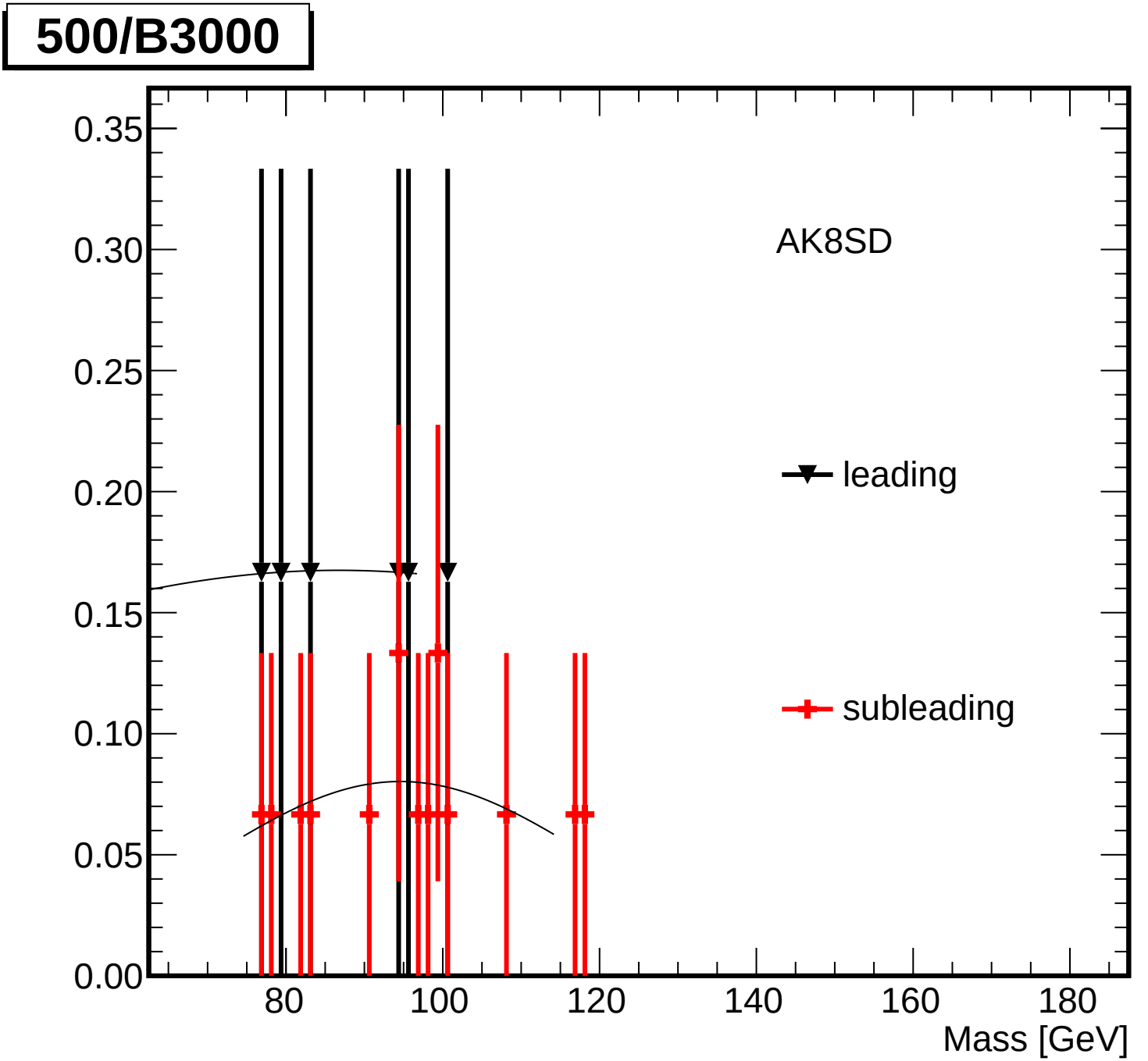

500/B3000, both jets
PR
Mean = -0.217
Sigma = 0.243
PRCorr
Mean = -0.152
Sigma = 0.178
AK8SD
Mean = -0.267
Sigma = 0.283
AK8SDCorrThea
Mean = -1.007
Sigma = 0.974
AK8SDHCorr
Mean = -0.160
Sigma = 0.268
0.25
0.20
0.15
0.10
0.05
0.00
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

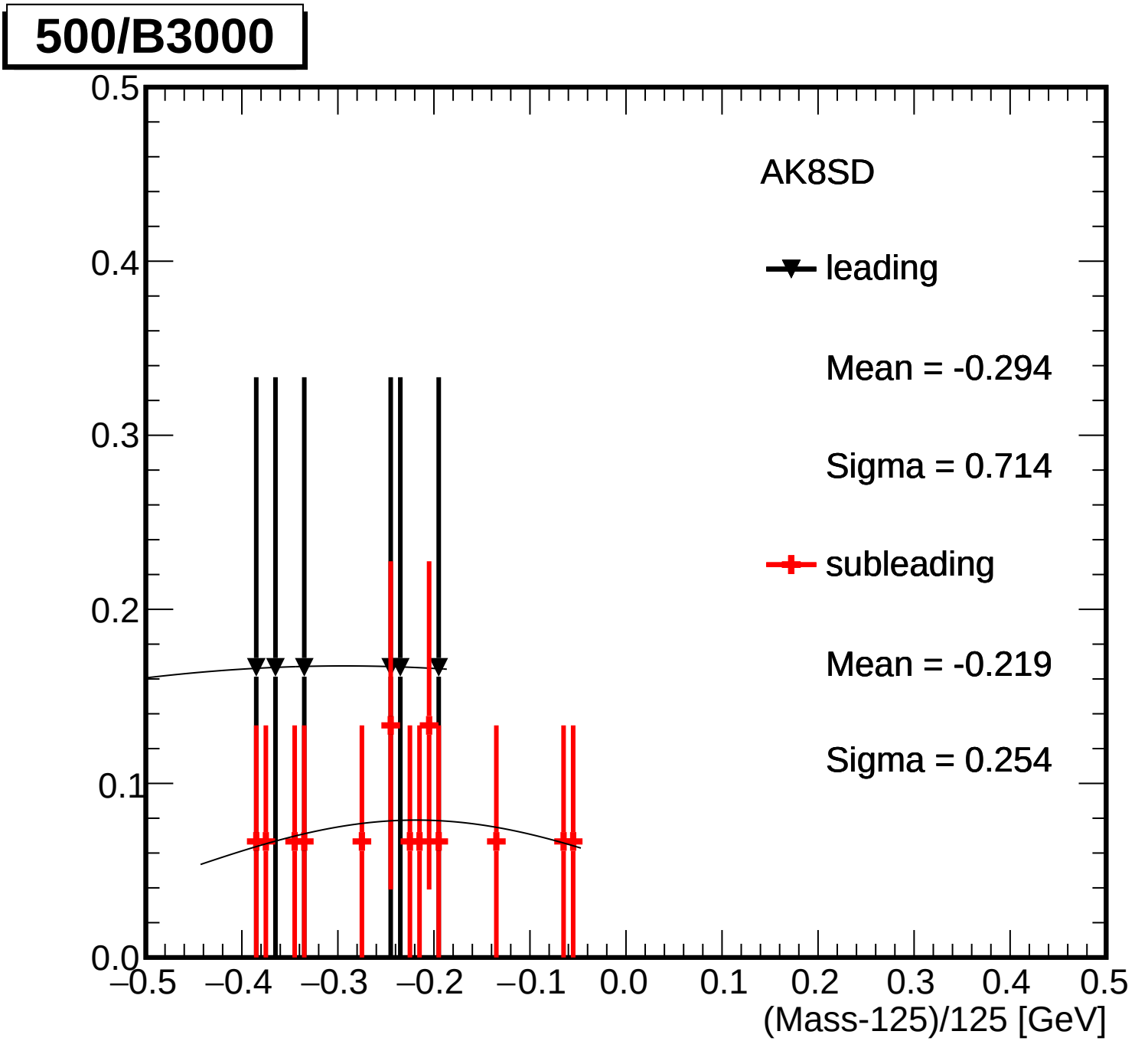

500/B3000
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
80
100
120
140
160
180
Mass [GeV]
PR
leading
subleading

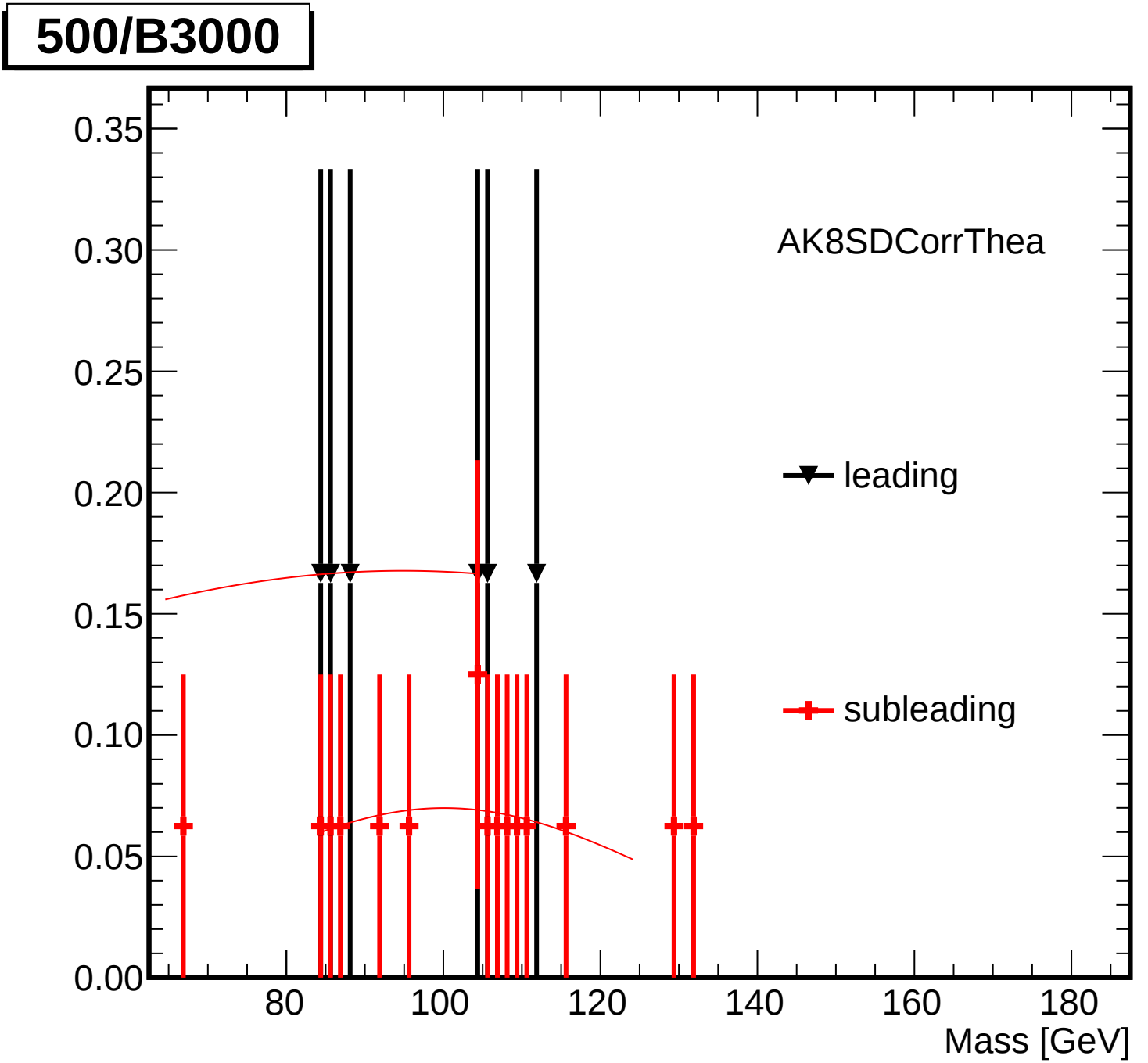

500/B3000
PR
leading
Mean = -0.237
Sigma = 0.169
subleading
Mean = -0.196
Sigma = 0.386
0.5
0.4
0.3
0.2
0.1
0.0
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

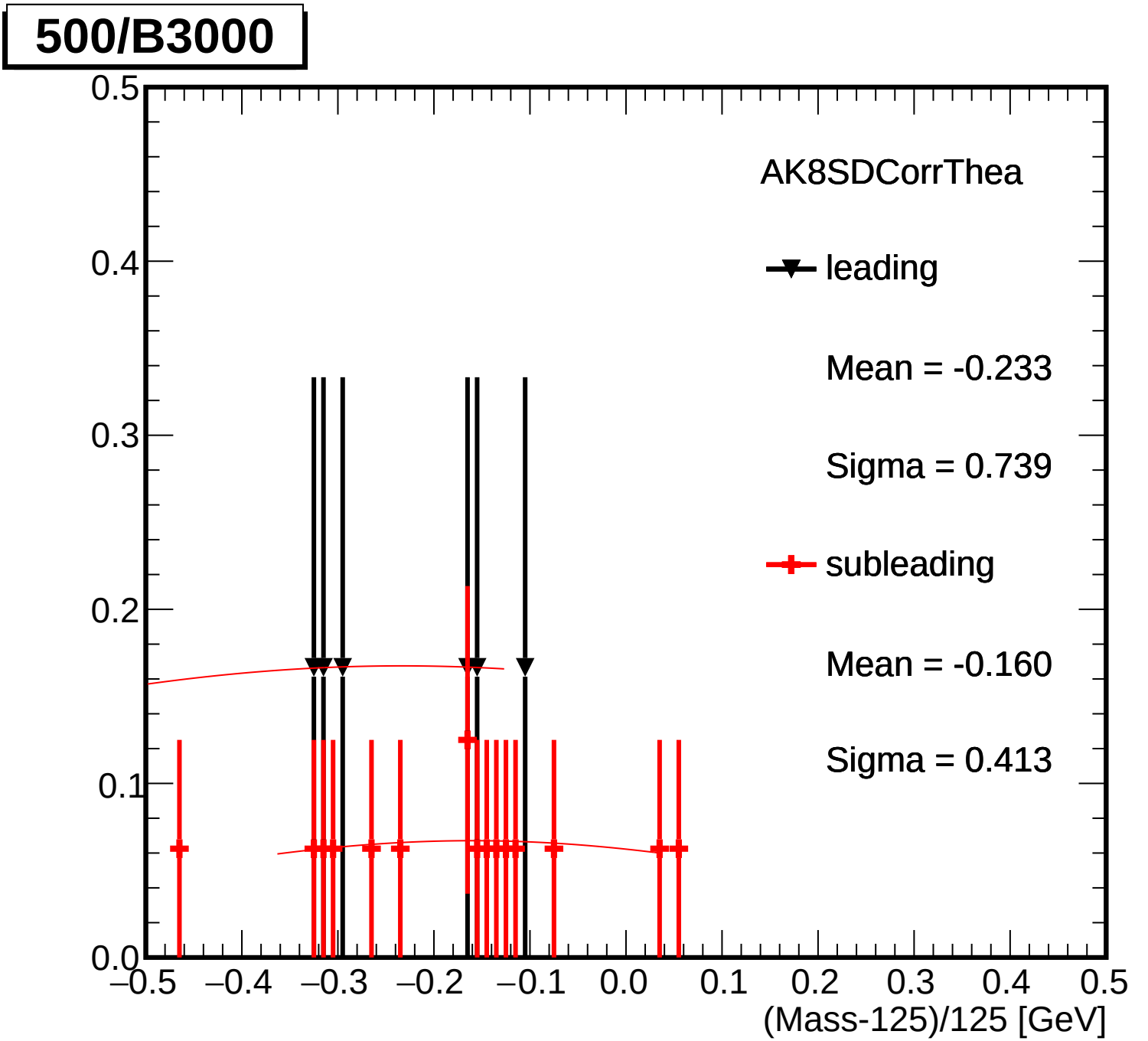

500/B3000
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
80
100
120
140
160
180
Mass [GeV]
PRCorr
leading
subleading

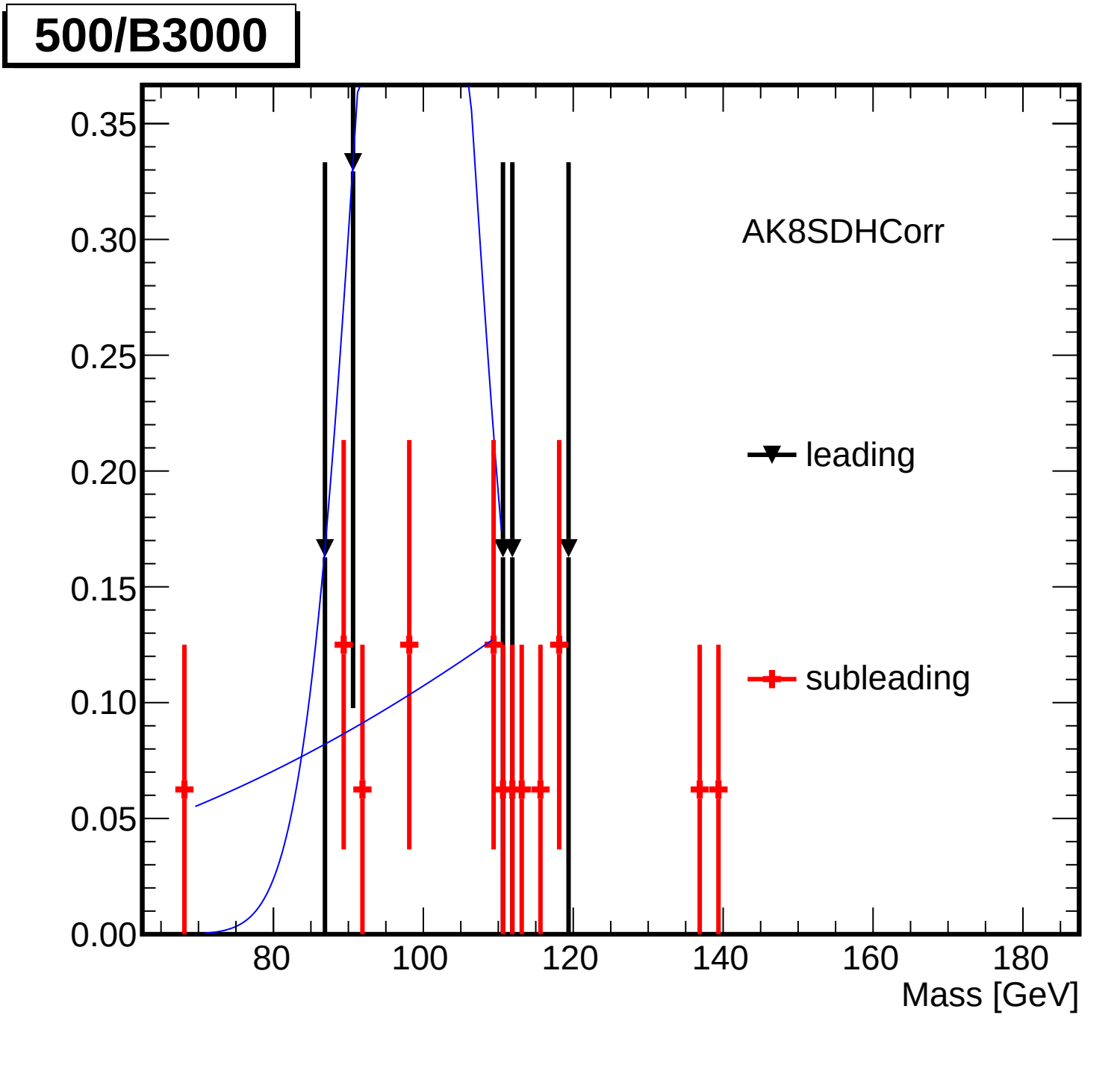

500/B3000
PRCorr
leading
Mean = -0.188
Sigma = 0.095
subleading
Mean = -0.145
Sigma = 0.177
0.5
0.4
0.3
0.2
0.1
0.0
–0.5
–0.4
–0.3
–0.2
–0.1
0.0
0.1
0.2
0.3
0.4
0.5
(Mass-125)/125 [GeV]

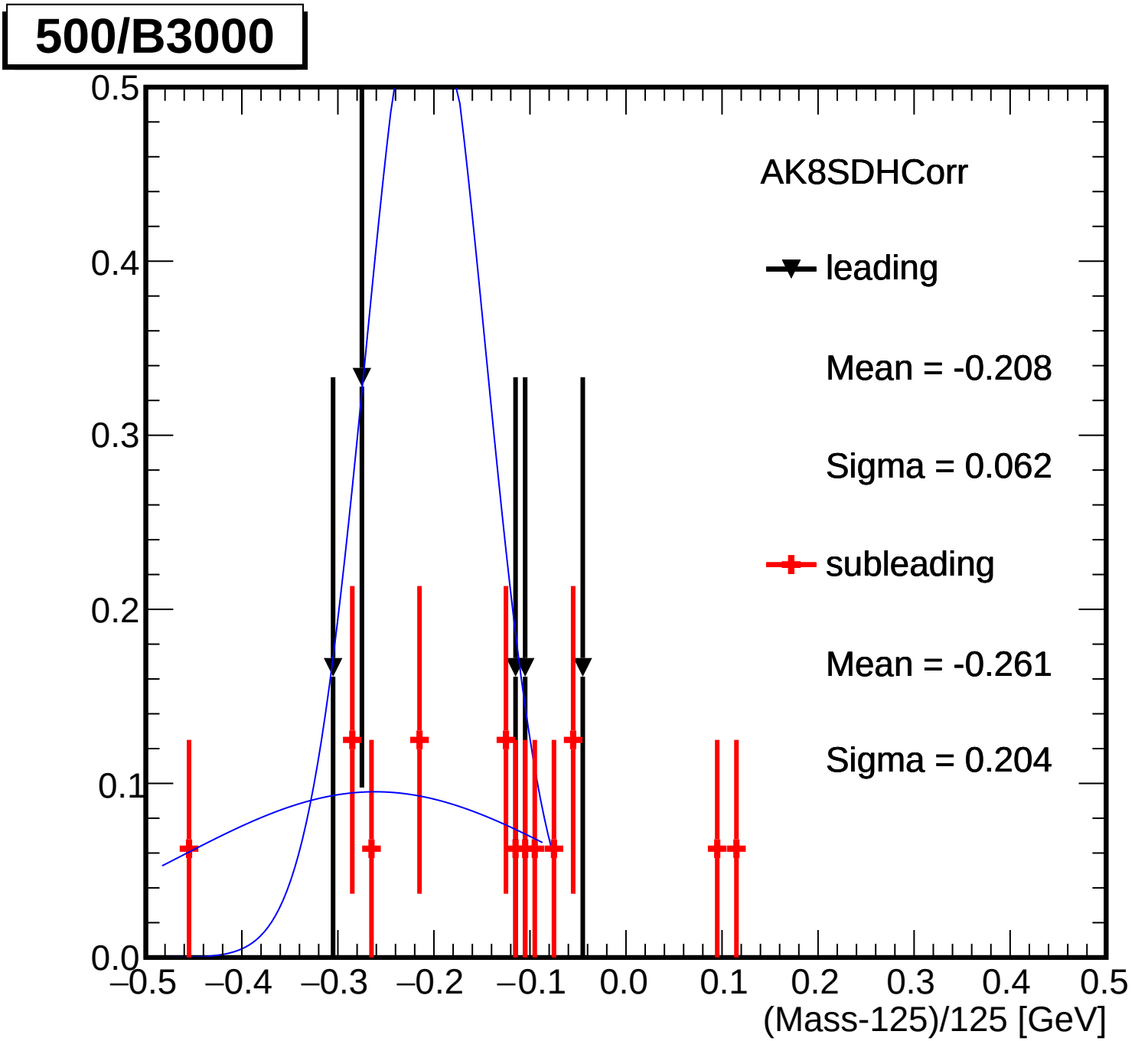

500/B3000
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
80
100
120
140
160
180
Mass [GeV]
AK8SD
leading
subleading


500/B3000
AK8SD
leading
Mean = -0.294
Sigma = 0.714
subleading
Mean = -0.219
Sigma = 0.254
0.5
0.4
0.3
0.2
0.1
0.0
–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/B3000
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
80
100
120
140
160
180
Mass [GeV]
AK8SDCorrThea
leading
subleading


500/B3000
AK8SDCorrThea
leading
Mean = -0.233
Sigma = 0.739
subleading
Mean = -0.160
Sigma = 0.413
0.5
0.4
0.3
0.2
0.1
0.0
–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/B3000
AK8SDHCorr
leading
subleading
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
80
100
120
140
160
180
Mass [GeV]


500/B3000
AK8SDHCorr
leading
Mean = -0.208
Sigma = 0.062
subleading
Mean = -0.261
Sigma = 0.204
0.5
0.4
0.3
0.2
0.1
0.0
–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]