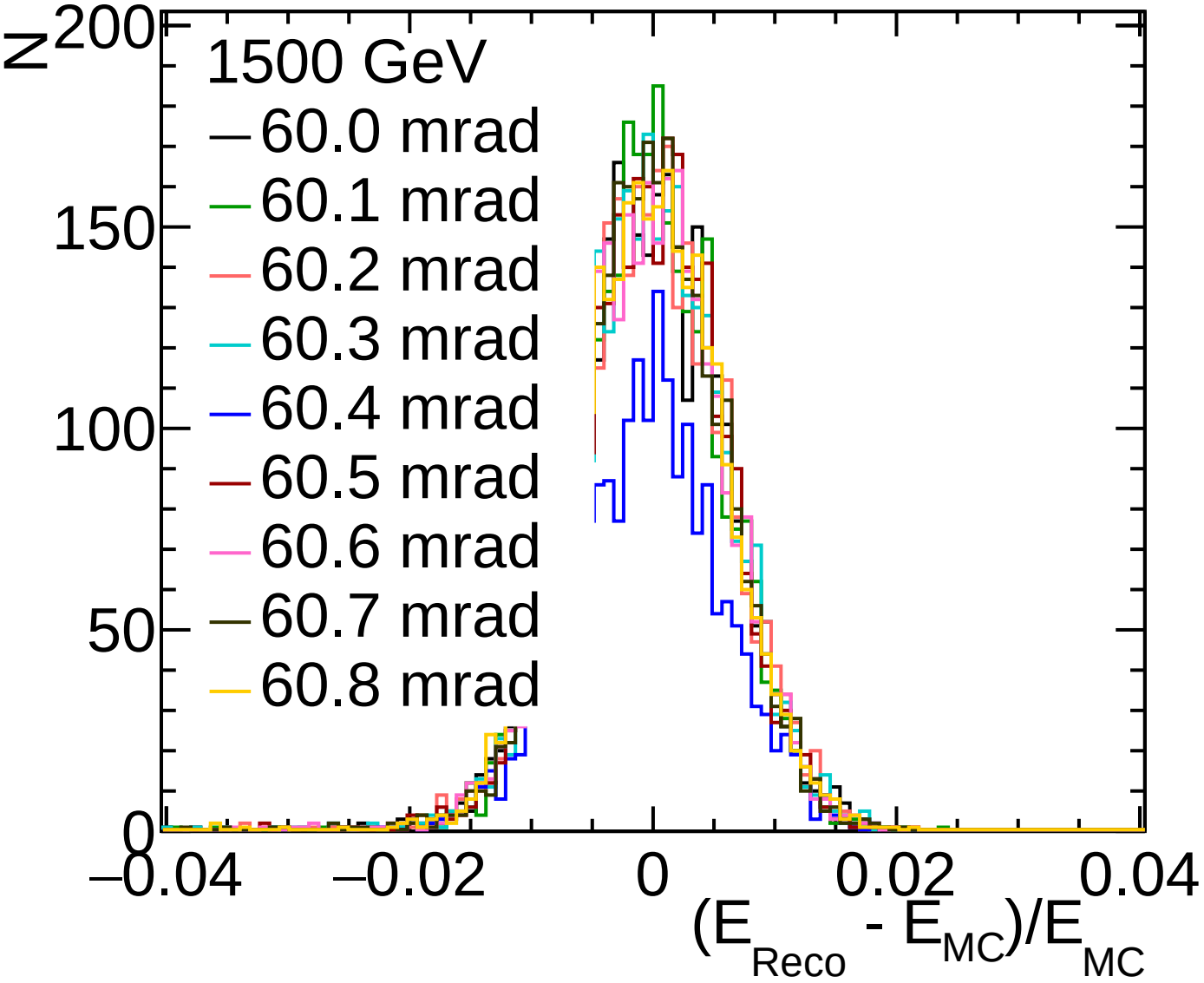
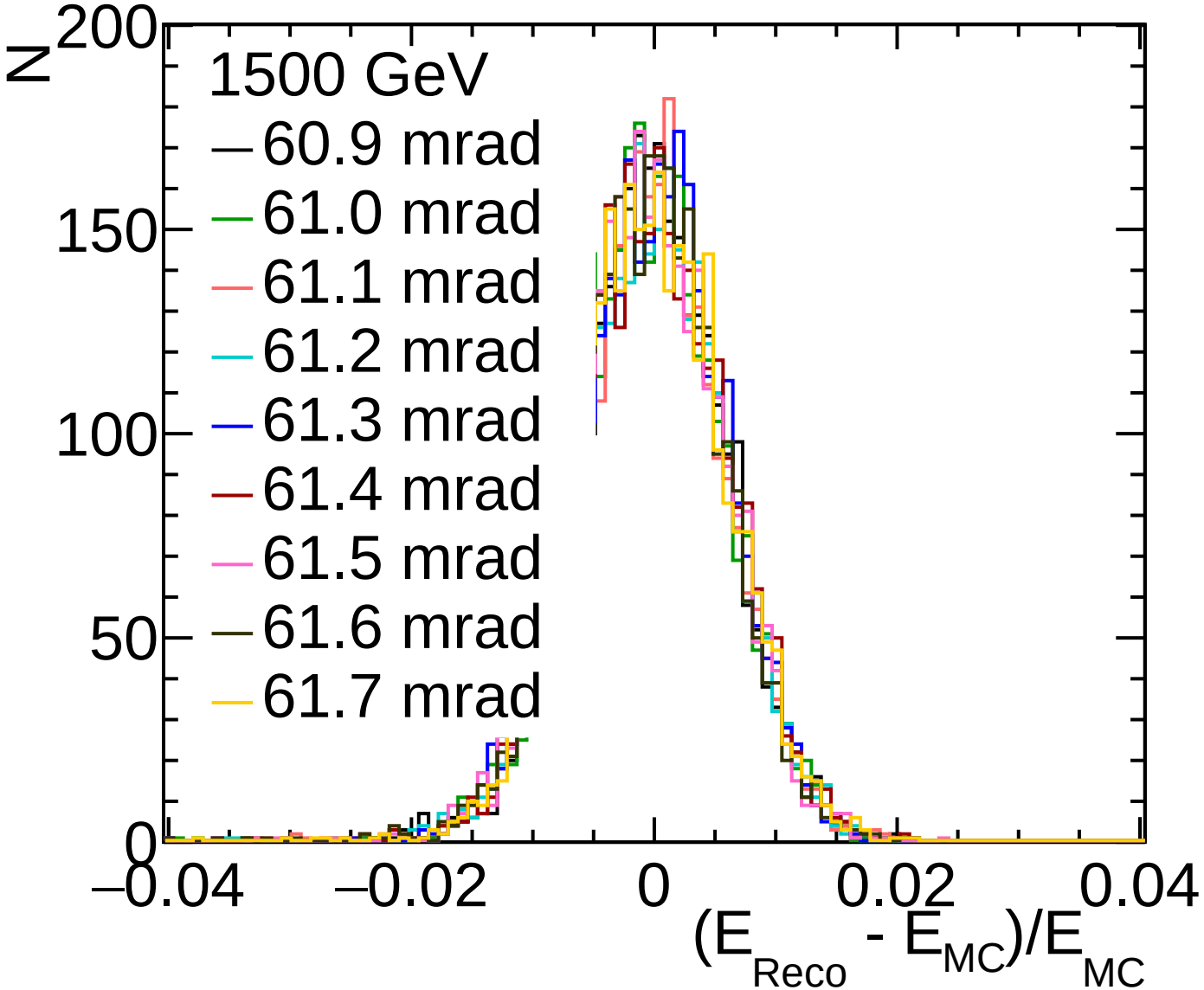
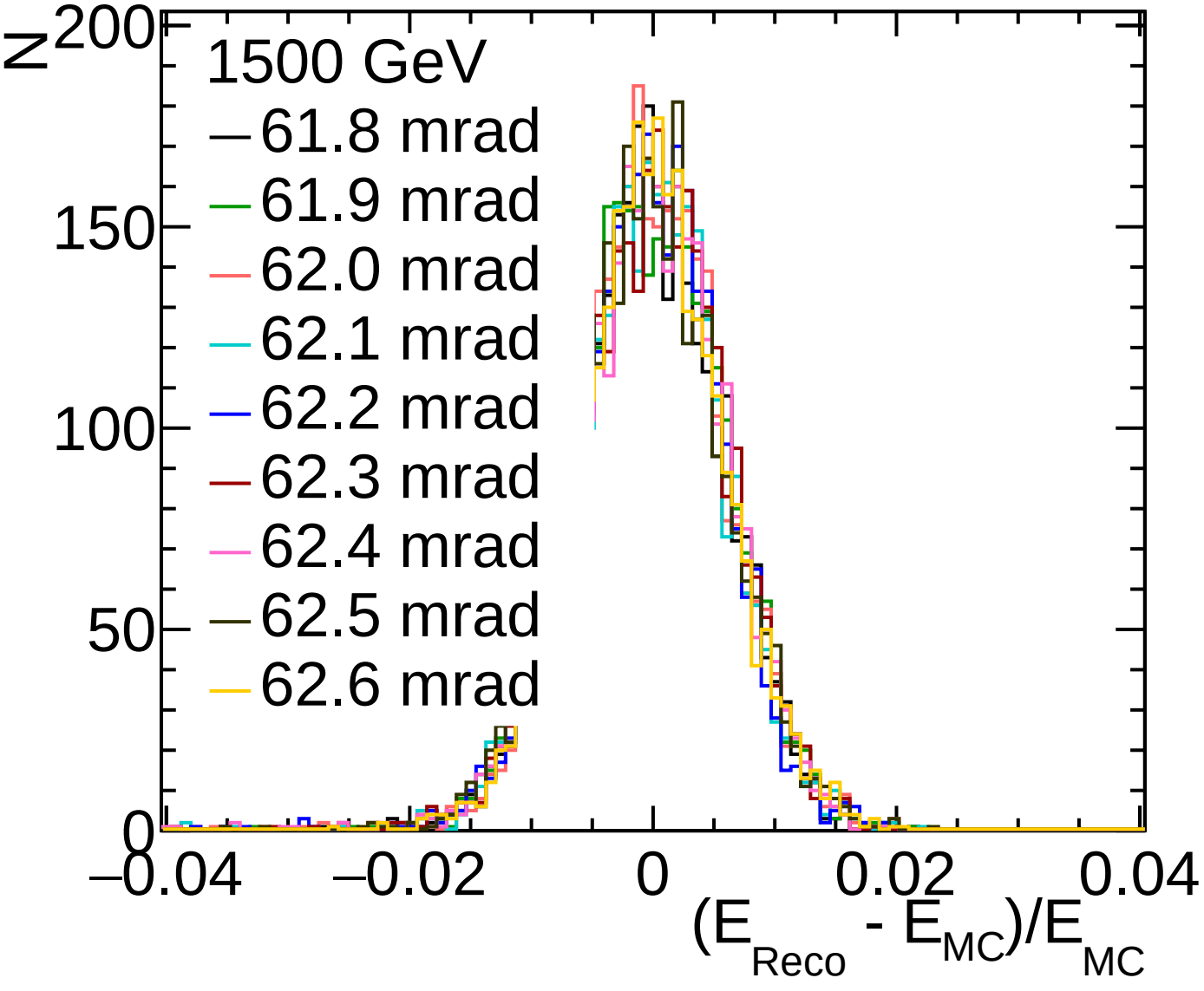
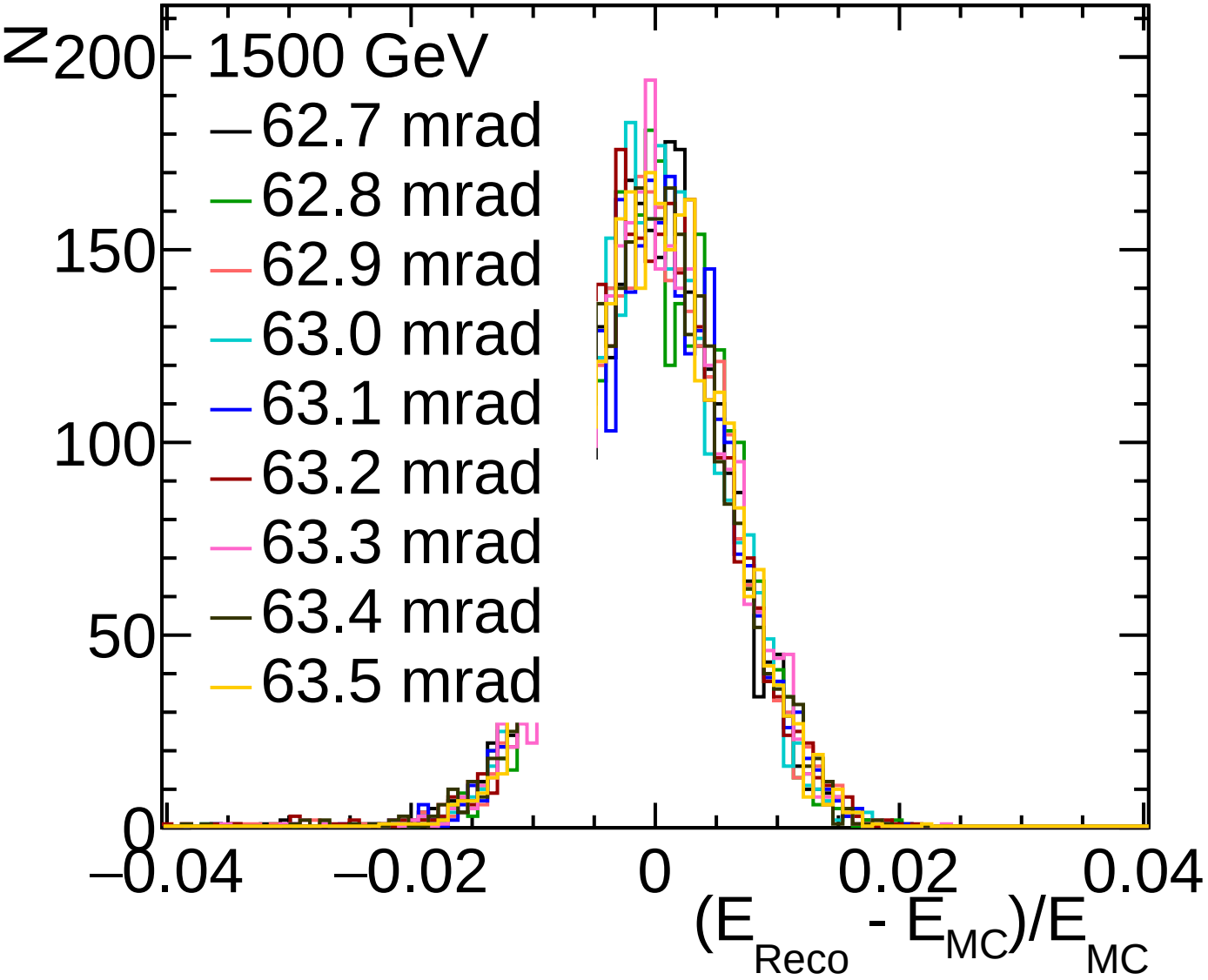
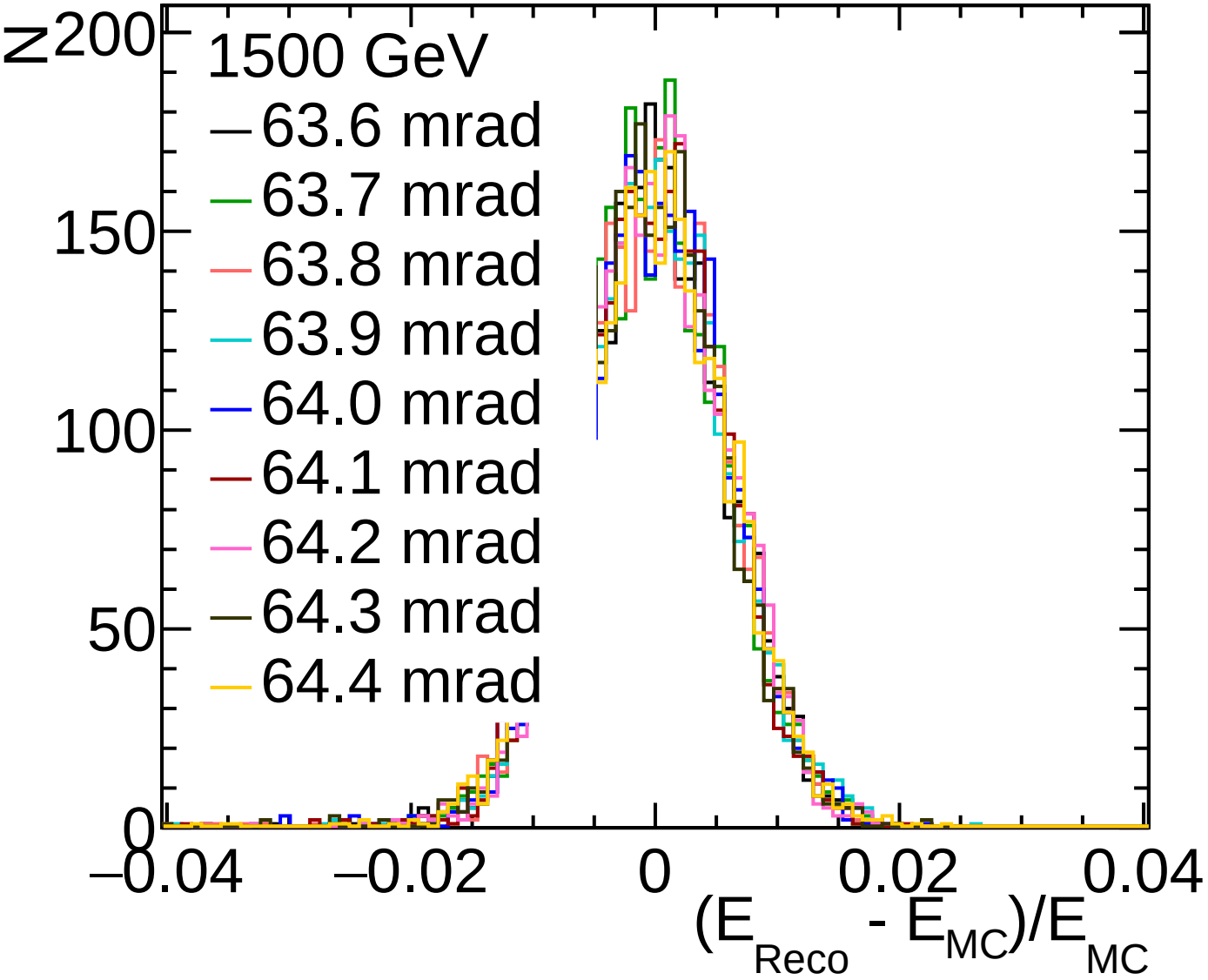
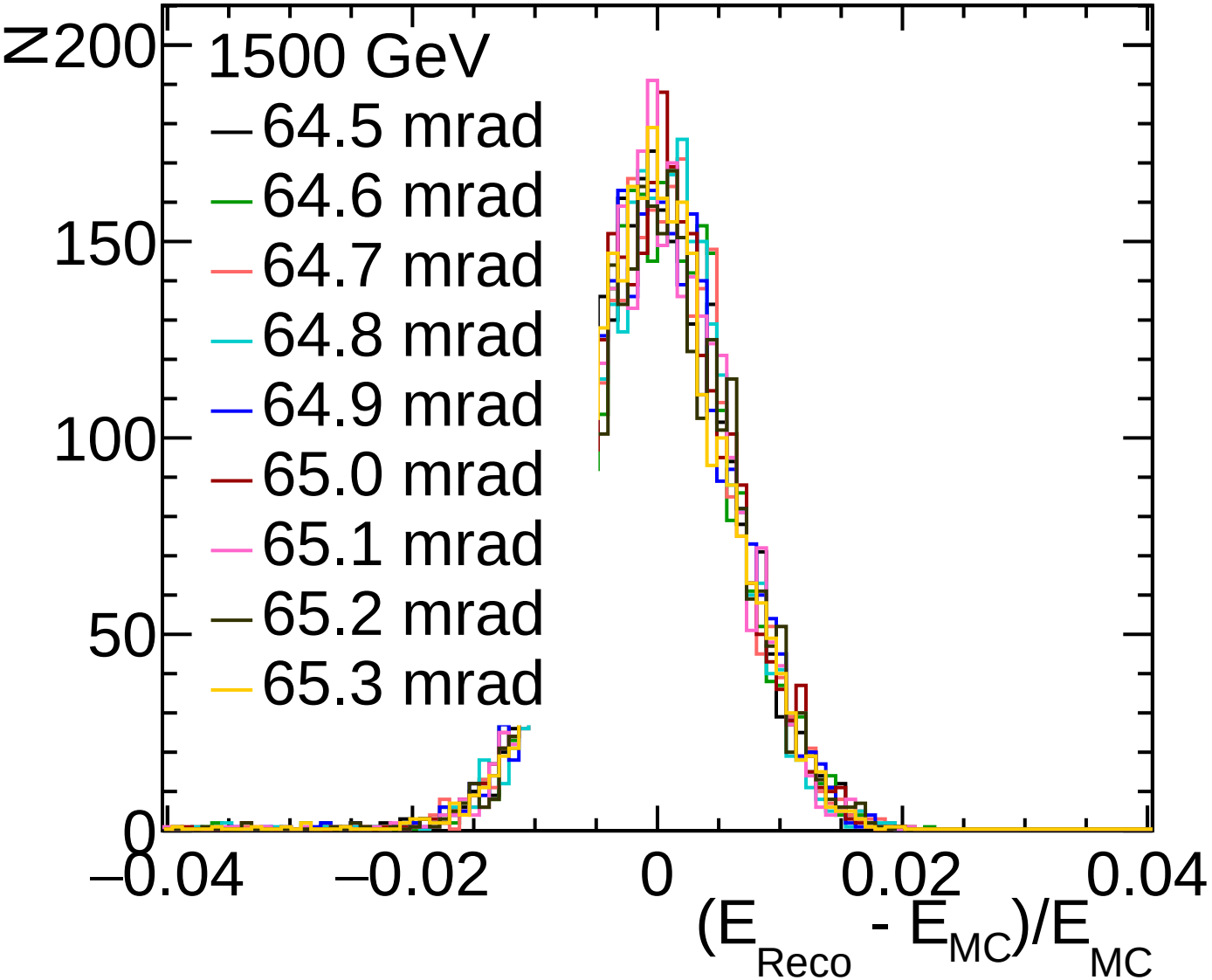

N
200
150
100
50
0
1500 GeV
60.0 mrad
60.1 mrad
60.2 mrad
60.3 mrad
60.4 mrad
60.5 mrad
60.6 mrad
60.7 mrad
60.8 mrad
–0.04
–0.02
0
0.02
0.04
(E_Reco - E_MC)/E_MC

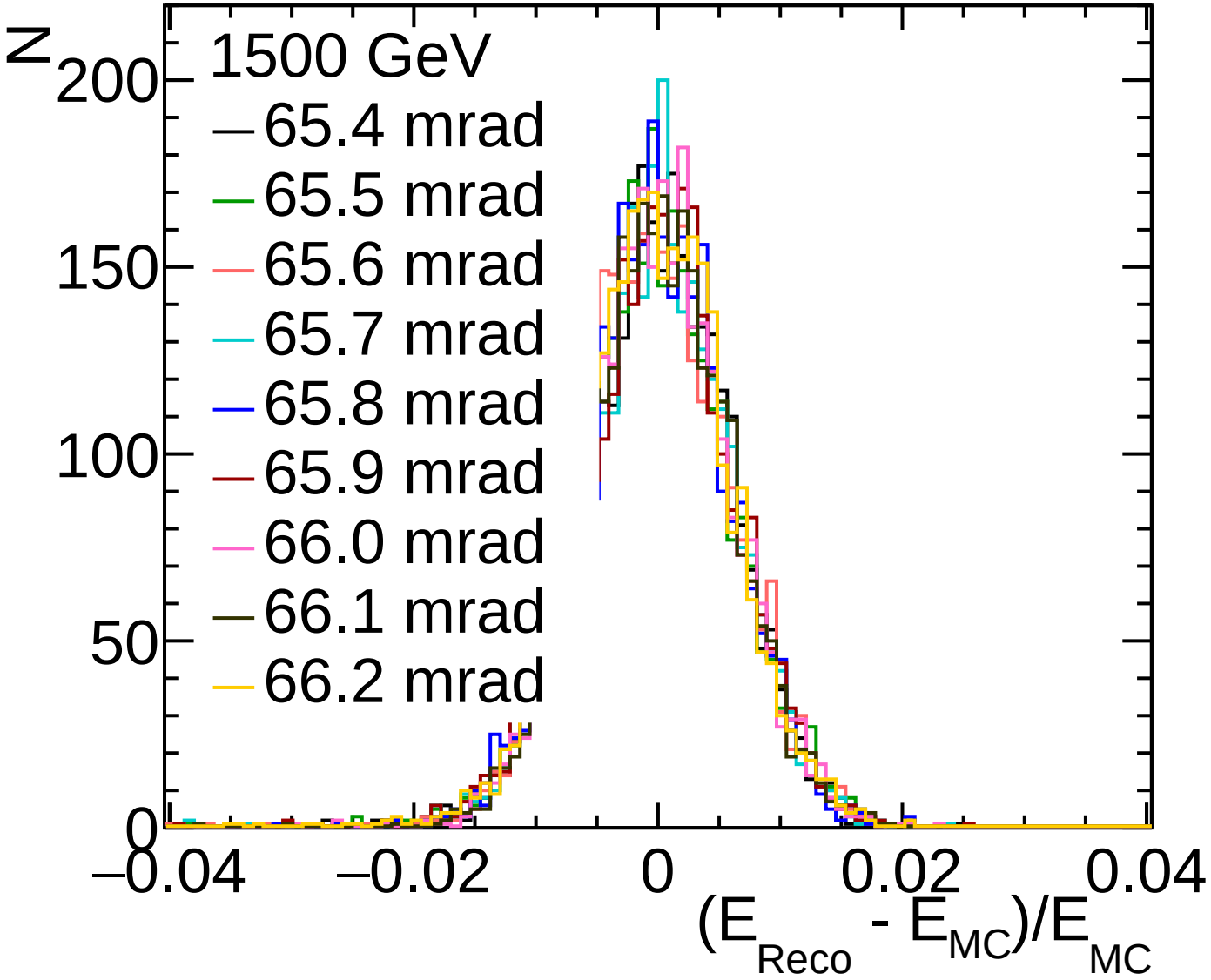

N
200
150
100
50
0
1500 GeV
60.9 mrad
61.0 mrad
61.1 mrad
61.2 mrad
61.3 mrad
61.4 mrad
61.5 mrad
61.6 mrad
61.7 mrad
–0.04
–0.02
0
0.02
0.04
(E_Reco - E_MC)/E_MC

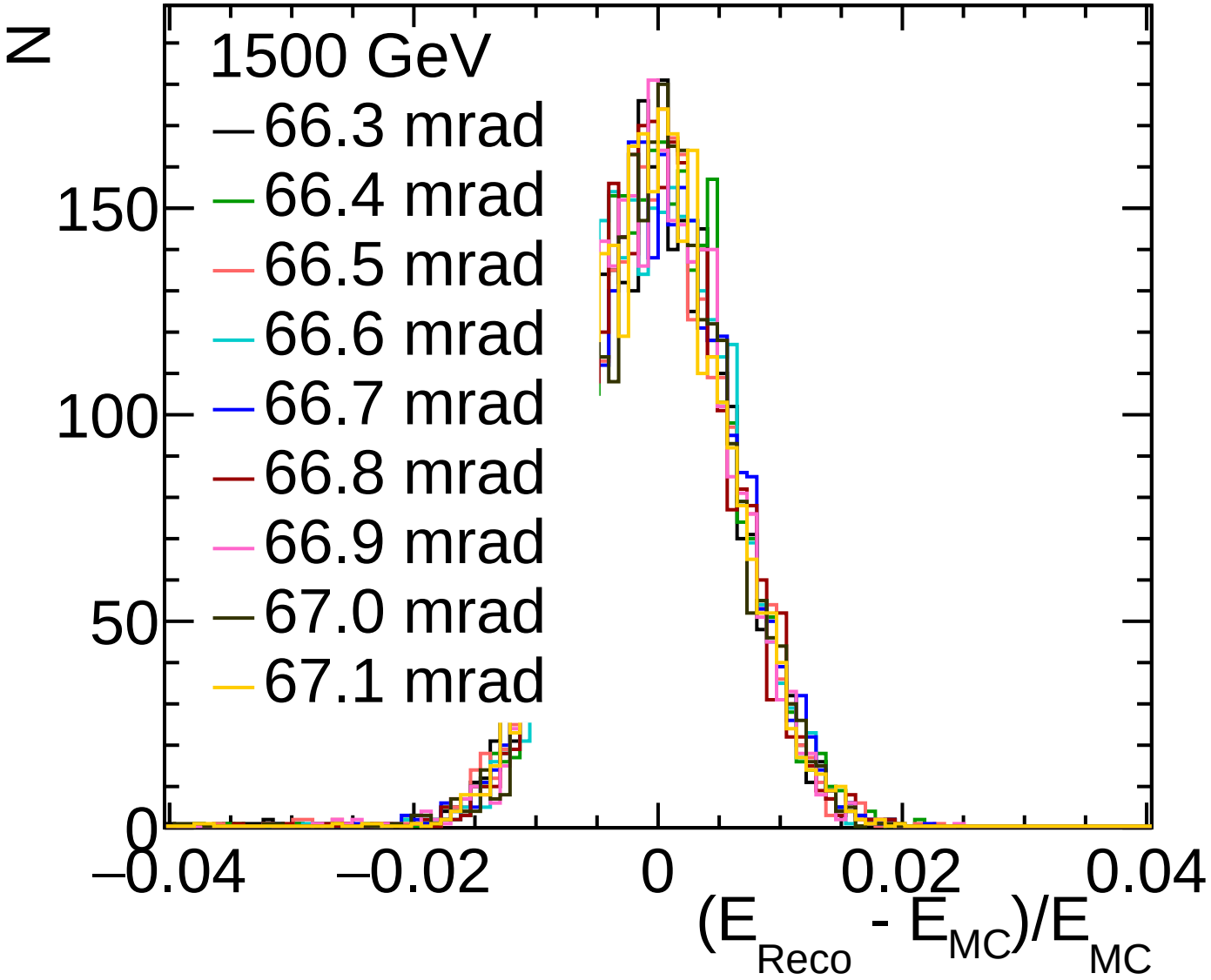

N
200
150
100
50
0
1500 GeV
61.8 mrad
61.9 mrad
62.0 mrad
62.1 mrad
62.2 mrad
62.3 mrad
62.4 mrad
62.5 mrad
62.6 mrad
–0.04
–0.02
0
0.02
0.04
(E_Reco - E_MC)/E_MC

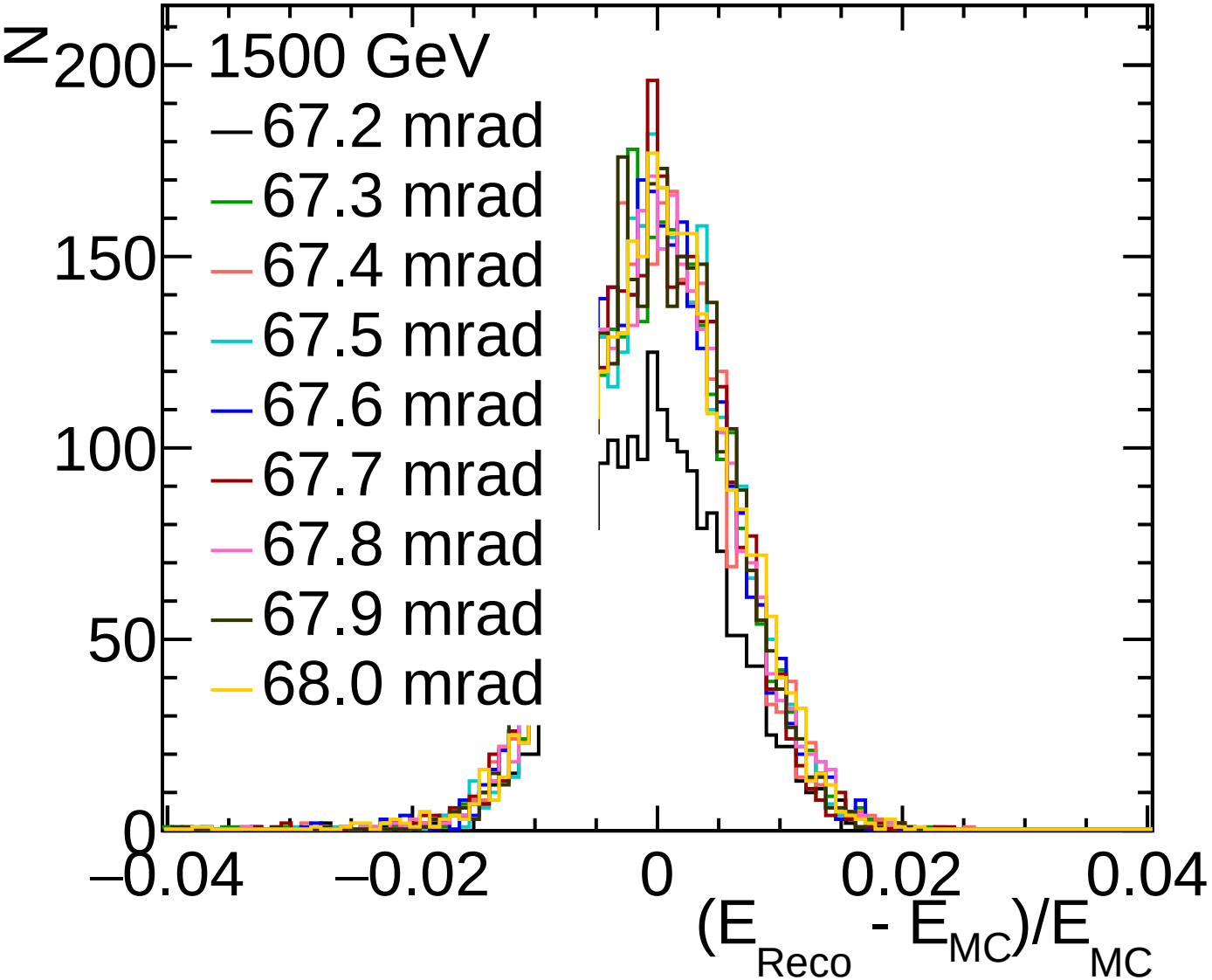

N
200
150
100
50
0
1500 GeV
62.7 mrad
62.8 mrad
62.9 mrad
63.0 mrad
63.1 mrad
63.2 mrad
63.3 mrad
63.4 mrad
63.5 mrad
–0.04
–0.02
0
0.02
0.04
(E_Reco - E_MC)/E_MC

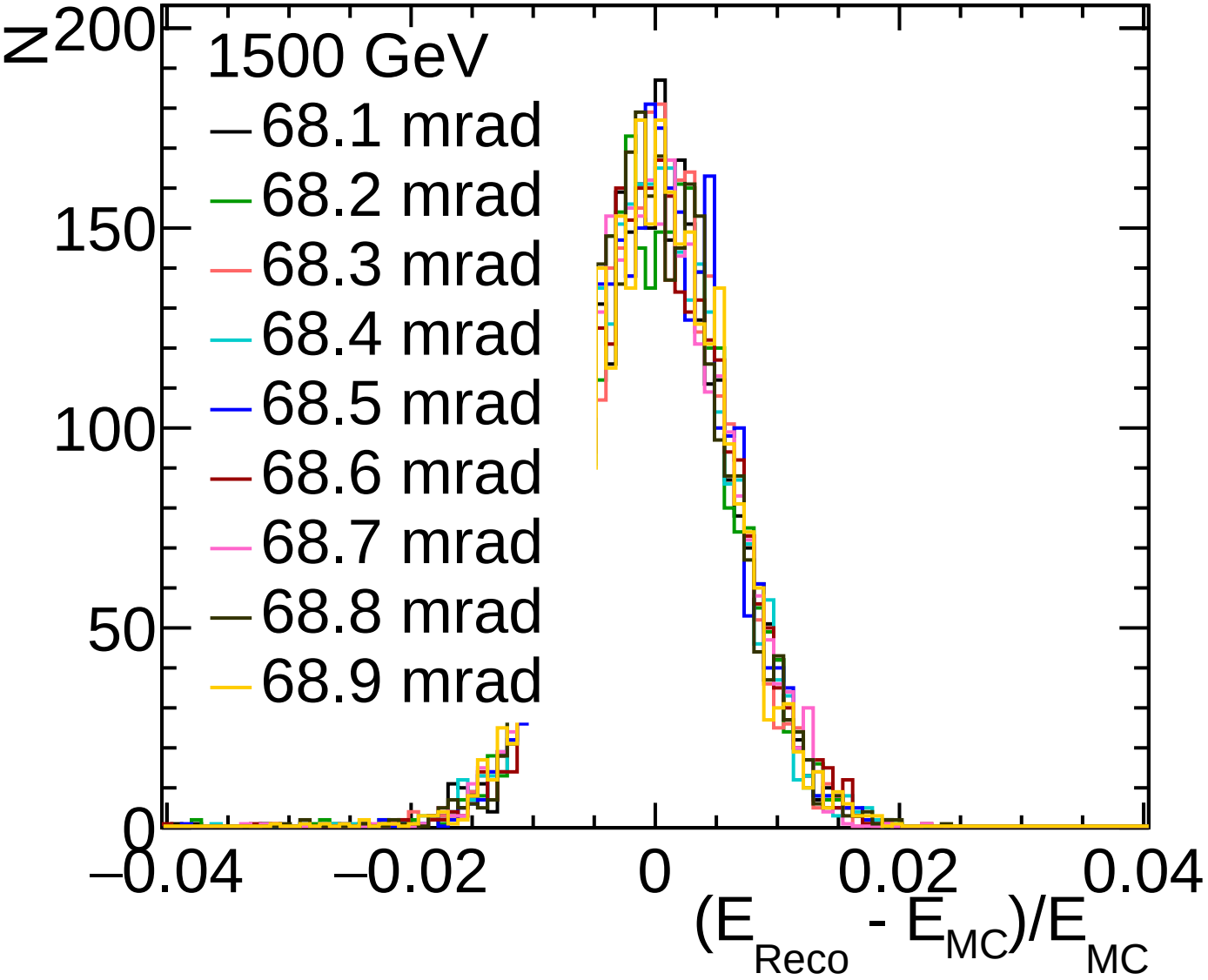

N
200
150
100
50
0
1500 GeV
63.6 mrad
63.7 mrad
63.8 mrad
63.9 mrad
64.0 mrad
64.1 mrad
64.2 mrad
64.3 mrad
64.4 mrad
–0.04
–0.02
0
0.02
0.04
(E_Reco - E_MC)/E_MC

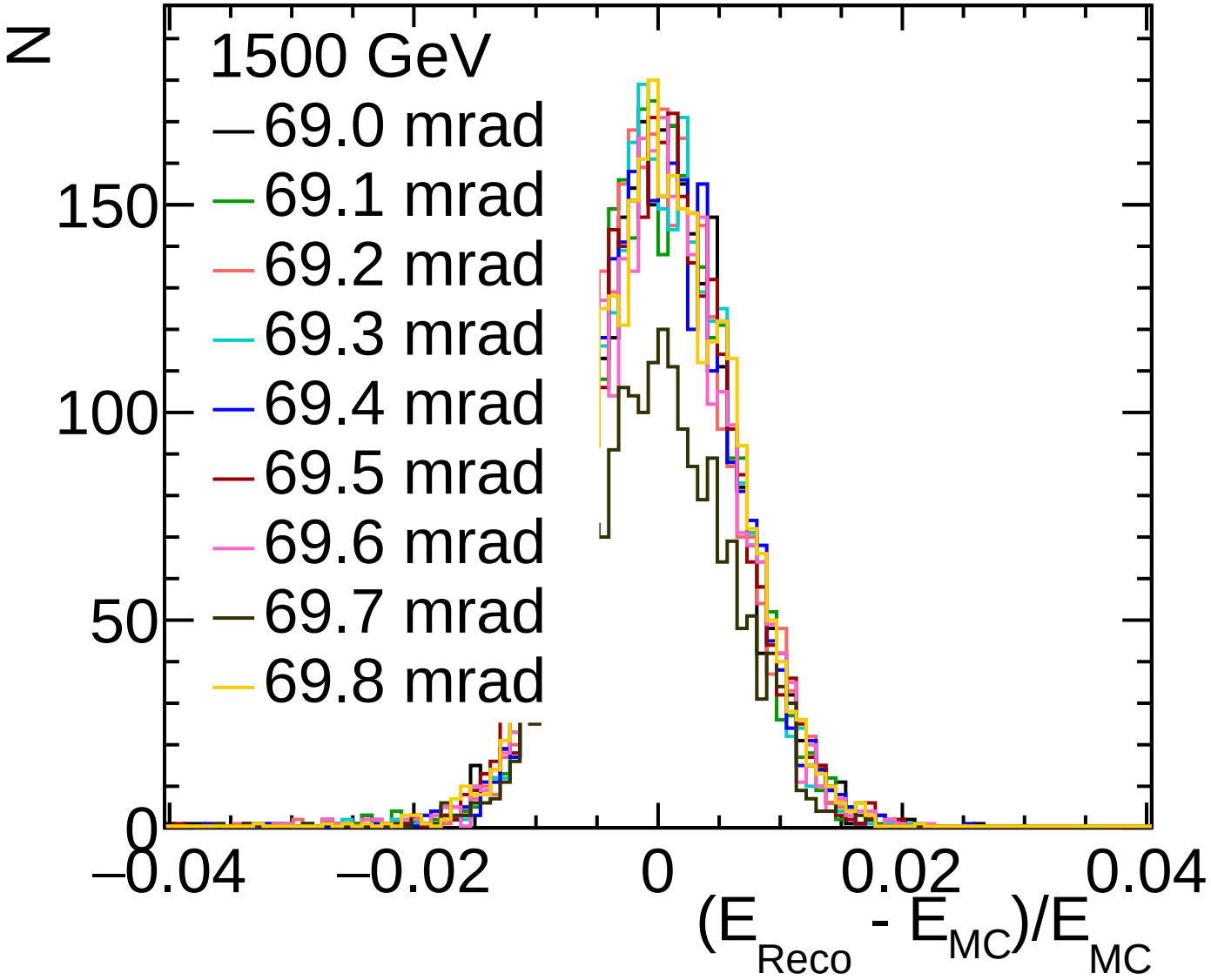

1500 GeV
64.5 mrad
64.6 mrad
64.7 mrad
64.8 mrad
64.9 mrad
65.0 mrad
65.1 mrad
65.2 mrad
65.3 mrad
N
200
150
100
50
0
–0.04
–0.02
0
0.02
0.04
(E_Reco - E_MC)/E_MC

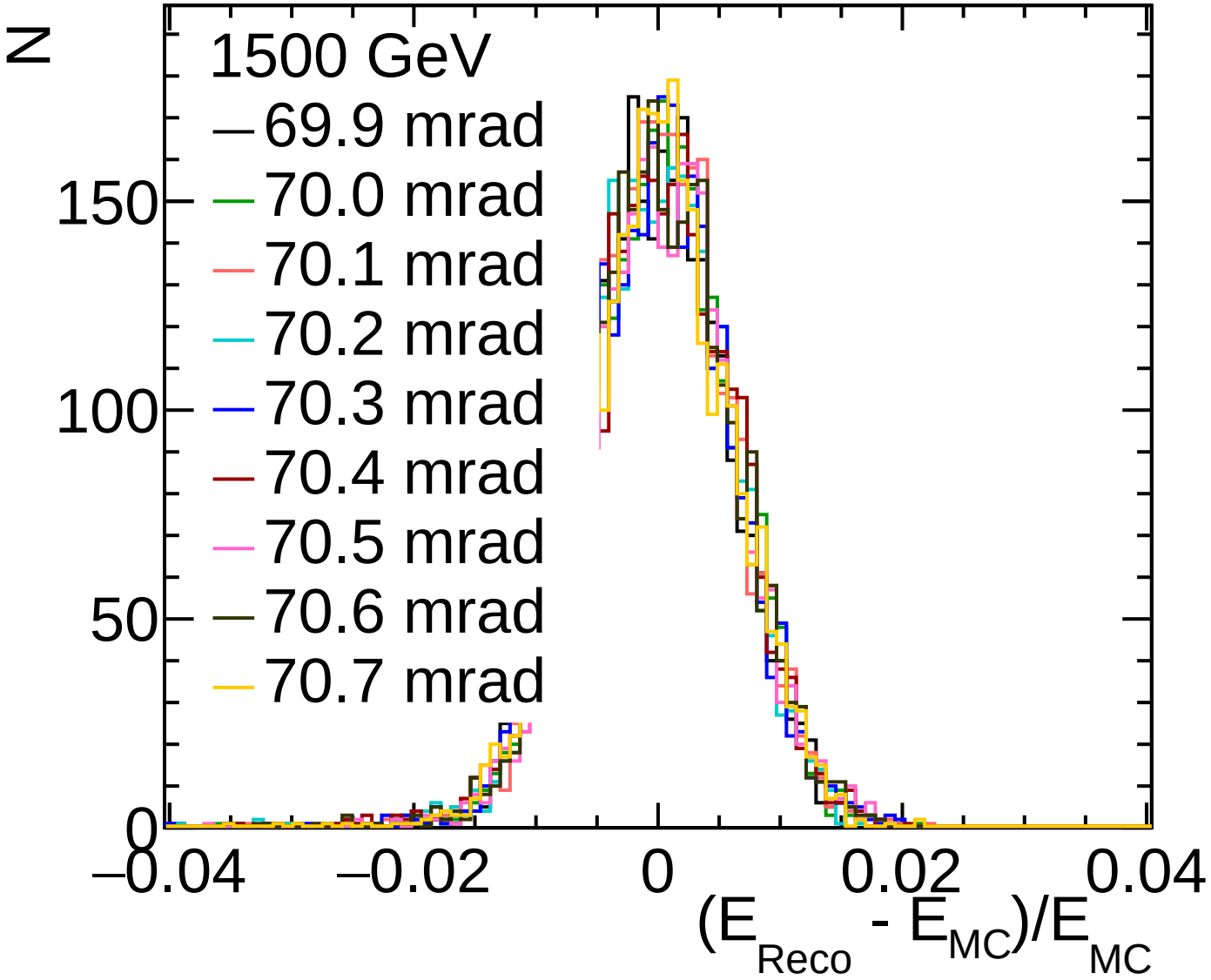

N
1500 GeV
65.4 mrad
65.5 mrad
65.6 mrad
65.7 mrad
65.8 mrad
65.9 mrad
66.0 mrad
66.1 mrad
66.2 mrad
200
150
100
50
0
–0.04
–0.02
0
0.02
0.04
(E_Reco - E_MC)/E_MC

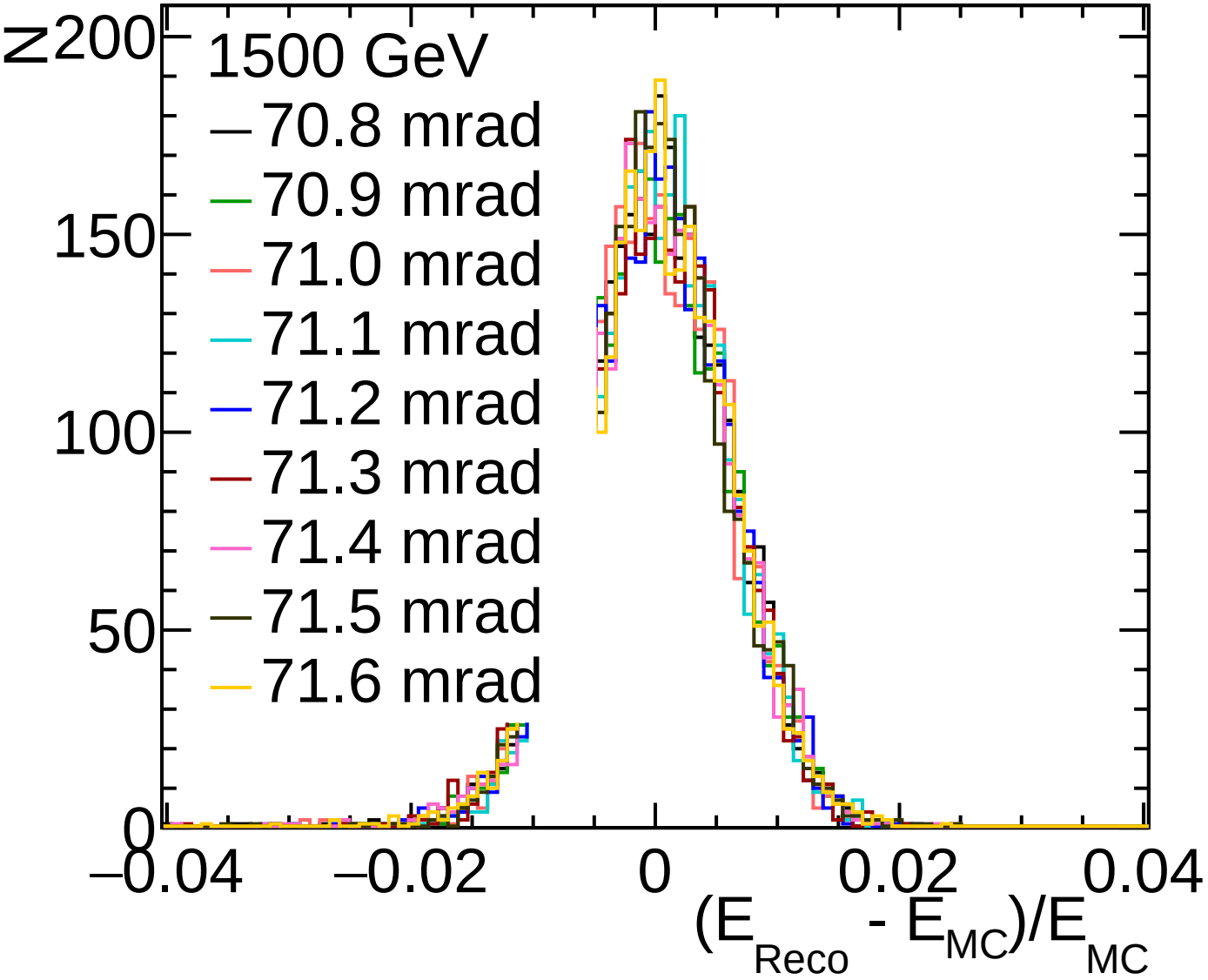

N
1500 GeV
66.3 mrad
66.4 mrad
66.5 mrad
66.6 mrad
66.7 mrad
66.8 mrad
66.9 mrad
67.0 mrad
67.1 mrad
150
100
50
0
–0.04
–0.02
0
0.02
0.04
(E_Reco - E_MC)/E_MC

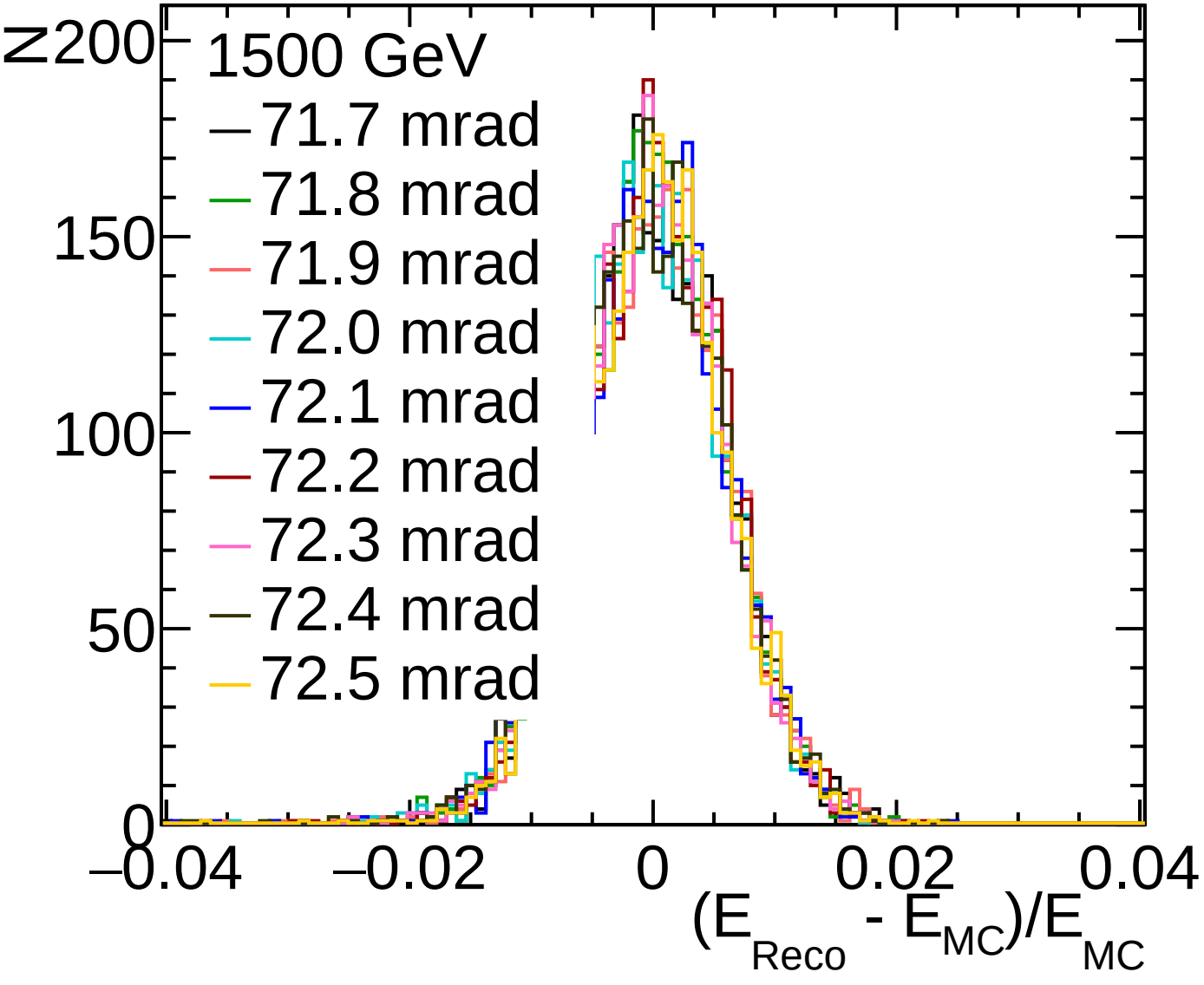

N
1500 GeV
67.2 mrad
67.3 mrad
67.4 mrad
67.5 mrad
67.6 mrad
67.7 mrad
67.8 mrad
67.9 mrad
68.0 mrad
200
150
100
50
0
–0.04
–0.02
0
0.02
0.04
(E_Reco - E_MC)/E_MC

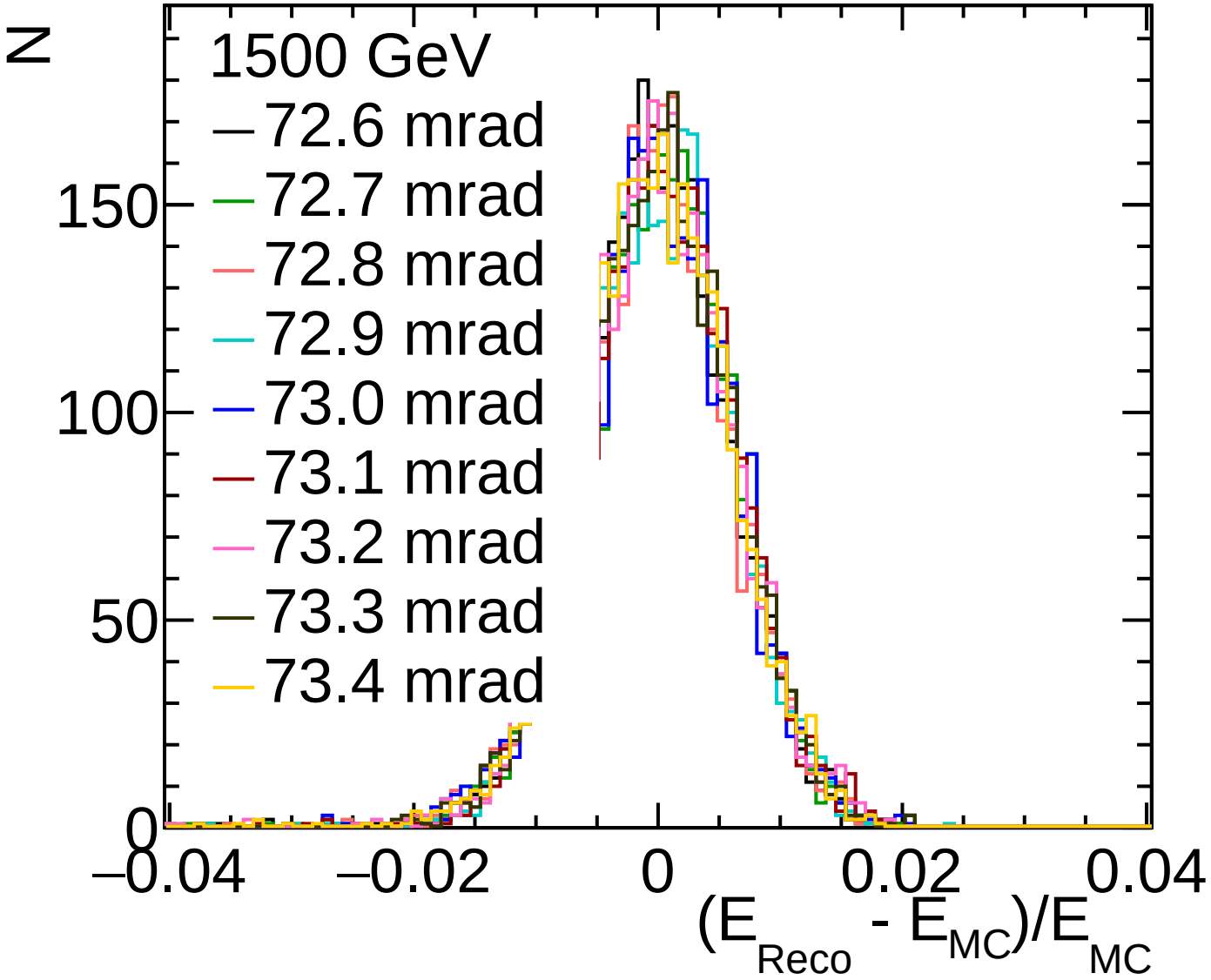

N
200
150
100
50
0
1500 GeV
68.1 mrad
68.2 mrad
68.3 mrad
68.4 mrad
68.5 mrad
68.6 mrad
68.7 mrad
68.8 mrad
68.9 mrad
–0.04
–0.02
0
0.02
0.04
(E_Reco - E_MC)/E_MC

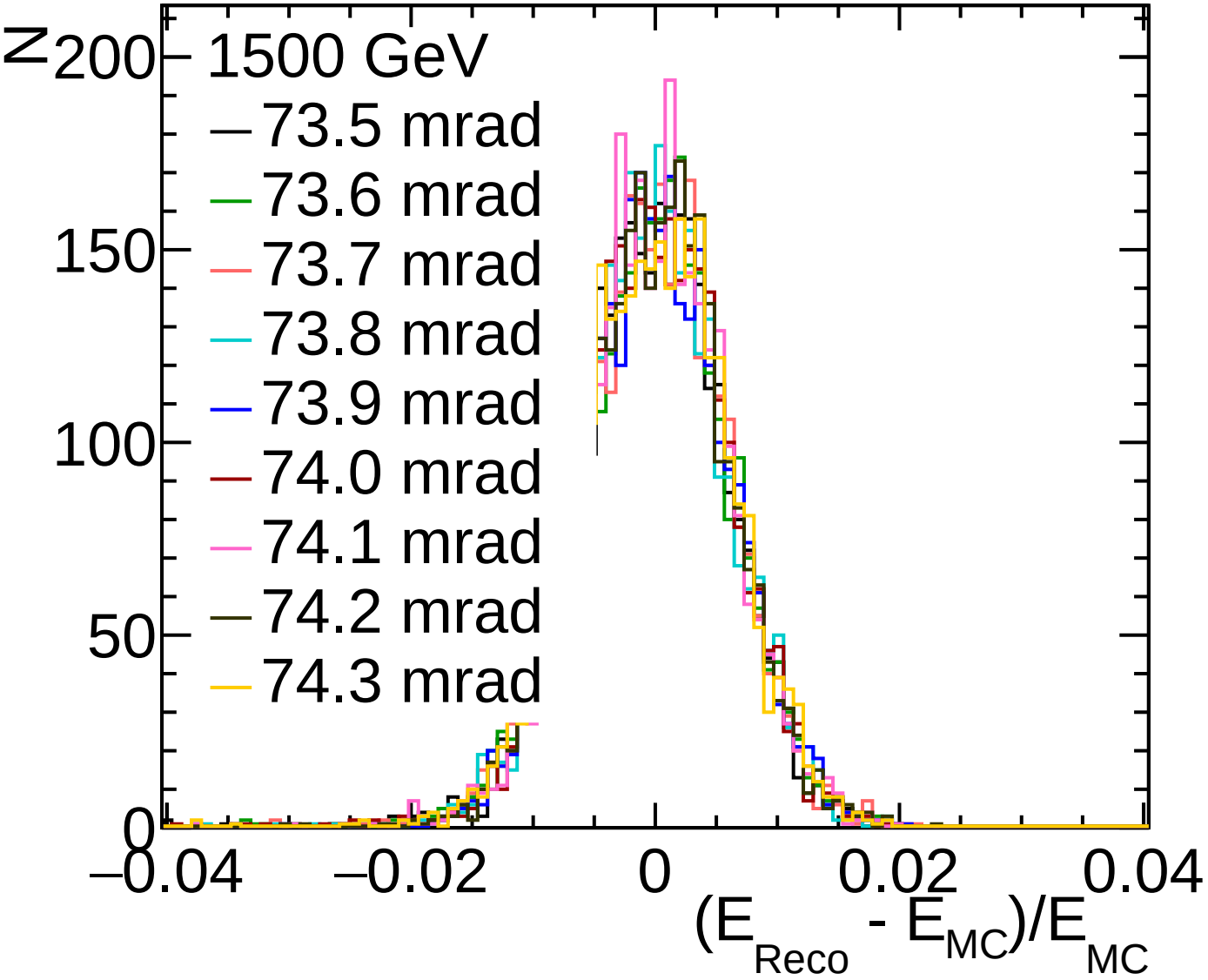

N
1500 GeV
69.0 mrad
69.1 mrad
69.2 mrad
69.3 mrad
69.4 mrad
69.5 mrad
69.6 mrad
69.7 mrad
69.8 mrad
150
100
50
0
–0.04
–0.02
0
0.02
0.04
(E_Reco - E_MC)/E_MC

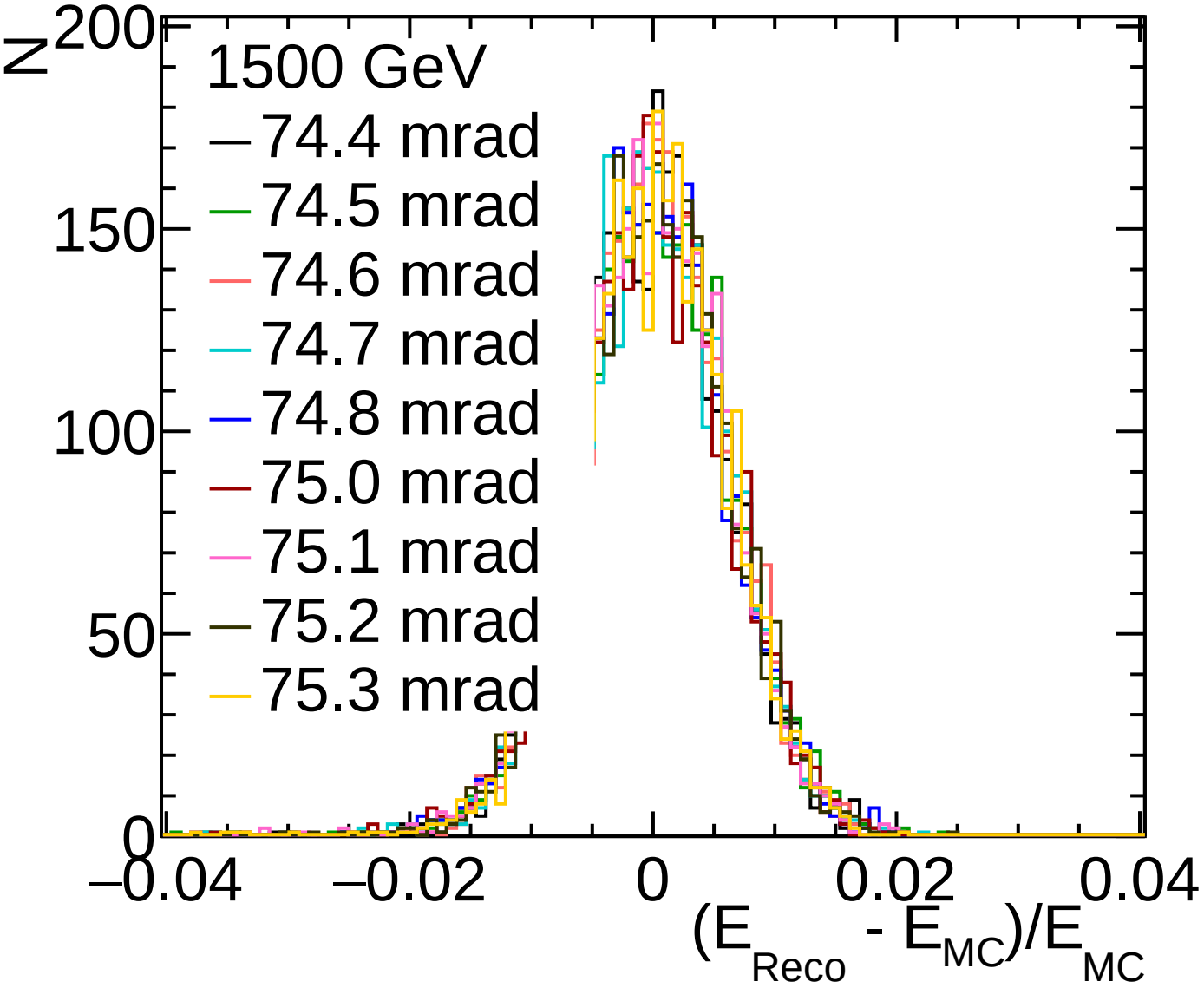

N
1500 GeV
69.9 mrad
70.0 mrad
70.1 mrad
70.2 mrad
70.3 mrad
70.4 mrad
70.5 mrad
70.6 mrad
70.7 mrad
150
100
50
0
–0.04
–0.02
0
0.02
0.04
(E_Reco - E_MC)/E_MC

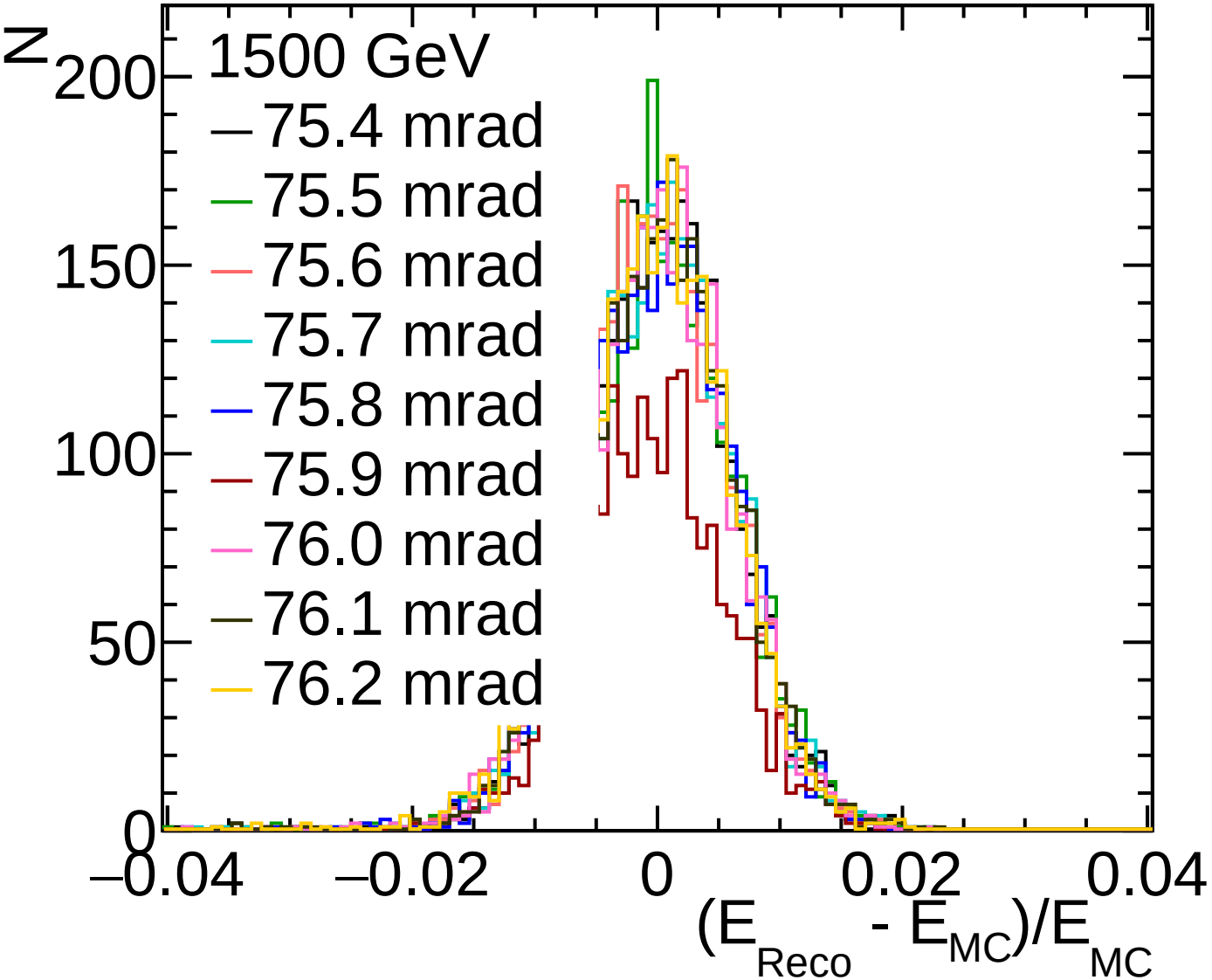

1500 GeV
70.8 mrad
70.9 mrad
71.0 mrad
71.1 mrad
71.2 mrad
71.3 mrad
71.4 mrad
71.5 mrad
71.6 mrad
N
200
150
100
50
0
–0.04
–0.02
0
0.02
0.04
(E_Reco - E_MC)/E_MC

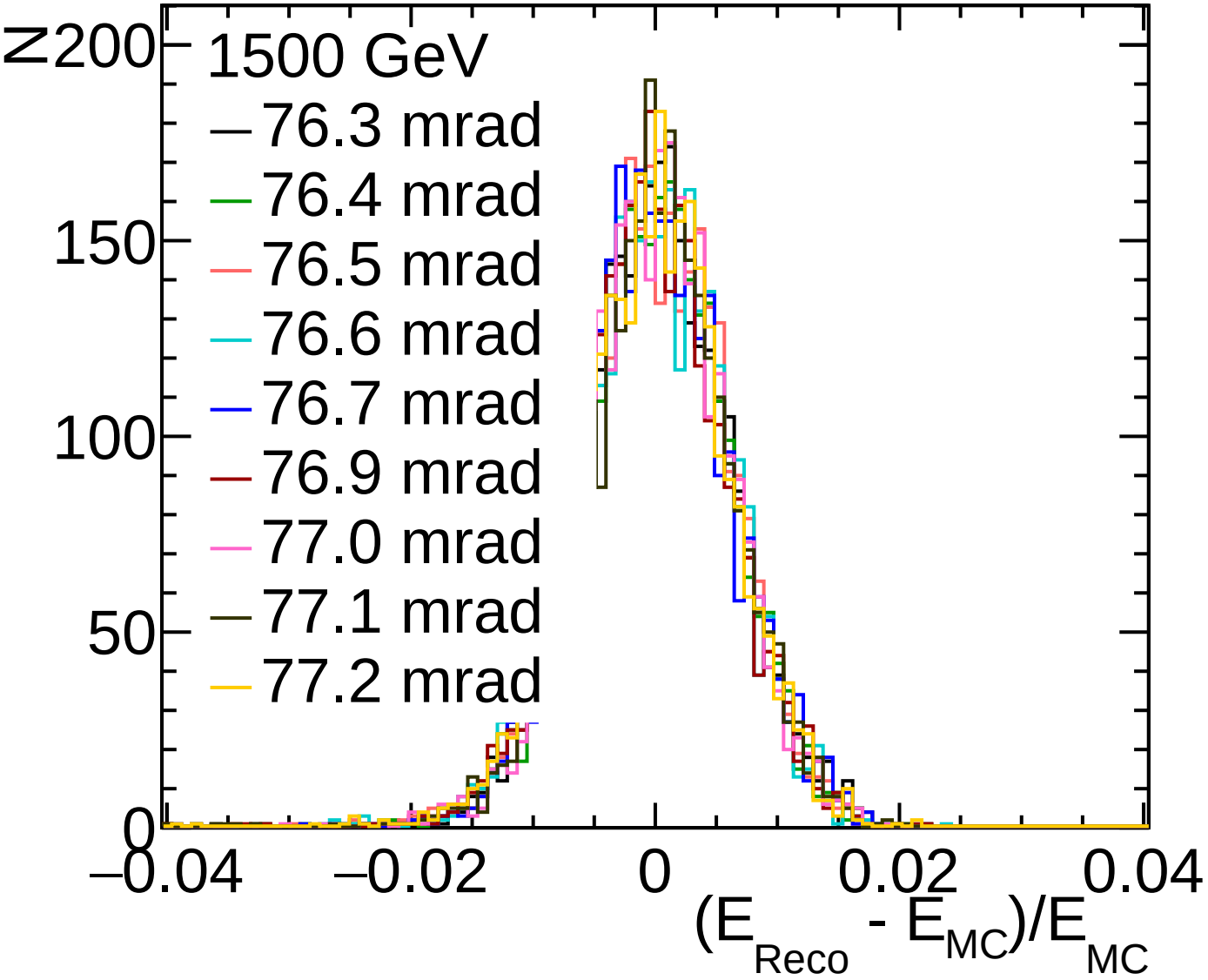

1500 GeV
71.7 mrad
71.8 mrad
71.9 mrad
72.0 mrad
72.1 mrad
72.2 mrad
72.3 mrad
72.4 mrad
72.5 mrad
N
200
150
100
50
0
–0.04
–0.02
0
0.02
0.04
(E_Reco - E_MC)/E_MC

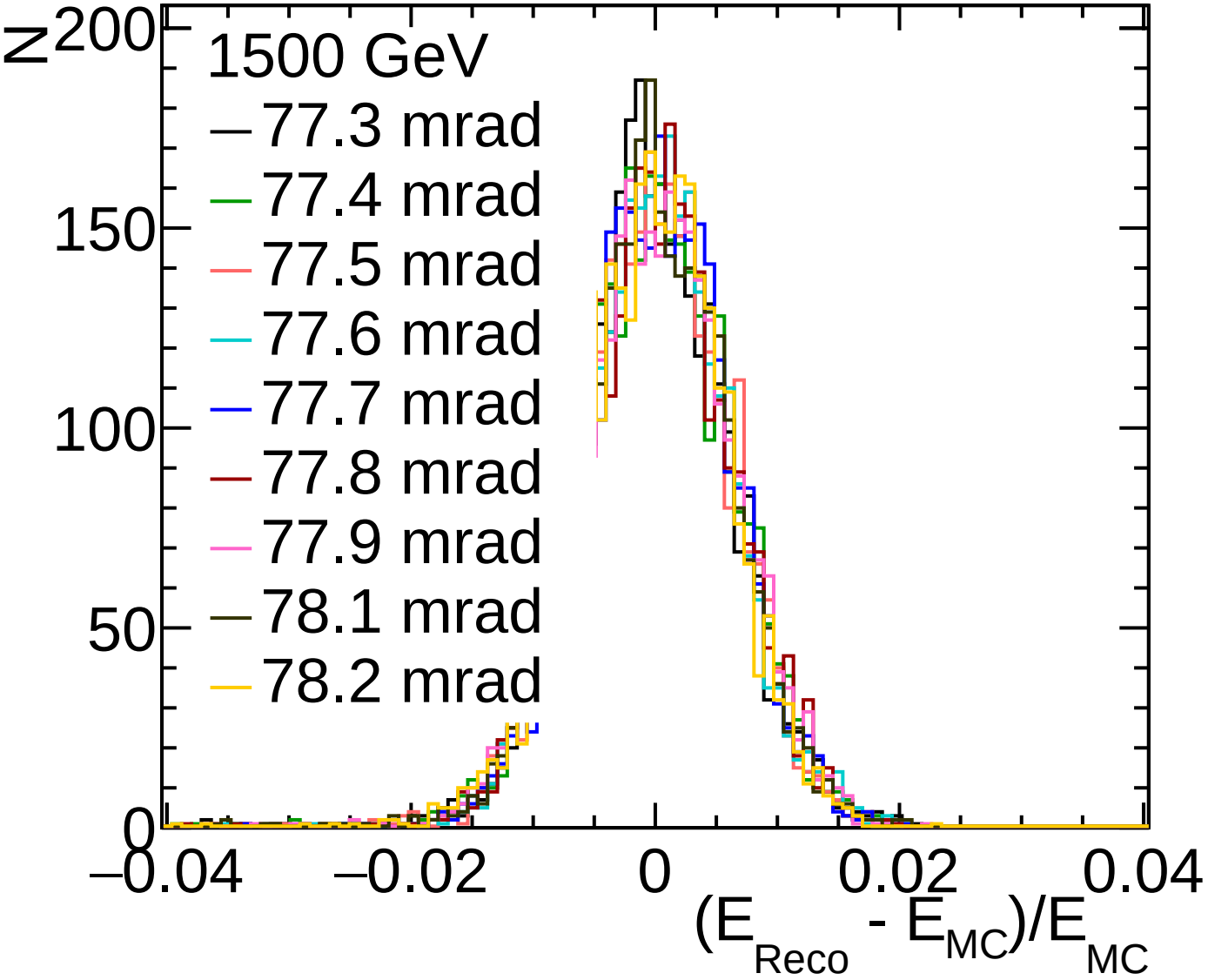

N
1500 GeV
72.6 mrad
72.7 mrad
72.8 mrad
72.9 mrad
73.0 mrad
73.1 mrad
73.2 mrad
73.3 mrad
73.4 mrad
150
100
50
0
–0.04
–0.02
0
0.02
0.04
(E_Reco - E_MC)/E_MC

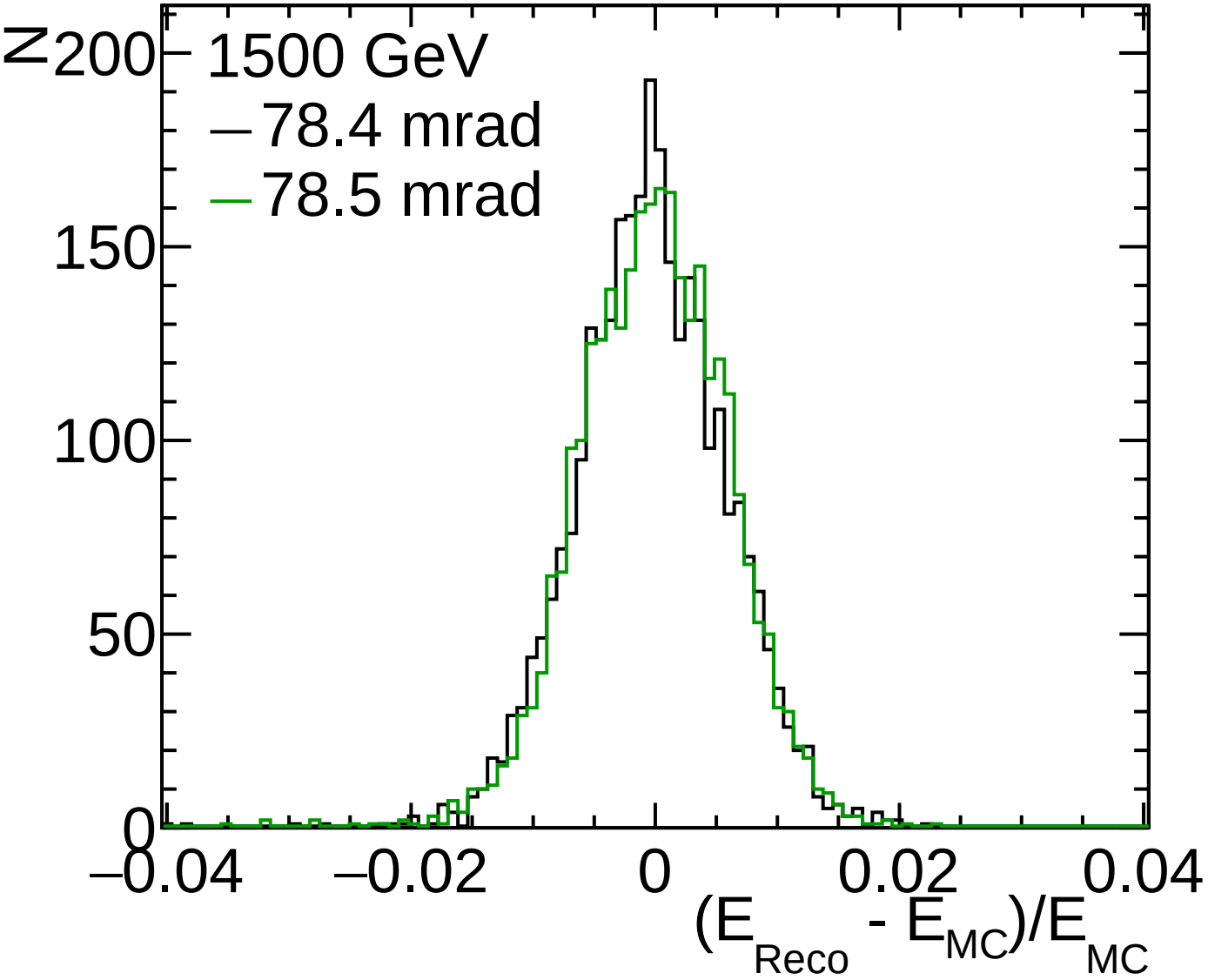

N
200
150
100
50
0
1500 GeV
73.5 mrad
73.6 mrad
73.7 mrad
73.8 mrad
73.9 mrad
74.0 mrad
74.1 mrad
74.2 mrad
74.3 mrad
–0.04
–0.02
0
0.02
0.04
(E_Reco - E_MC)/E_MC

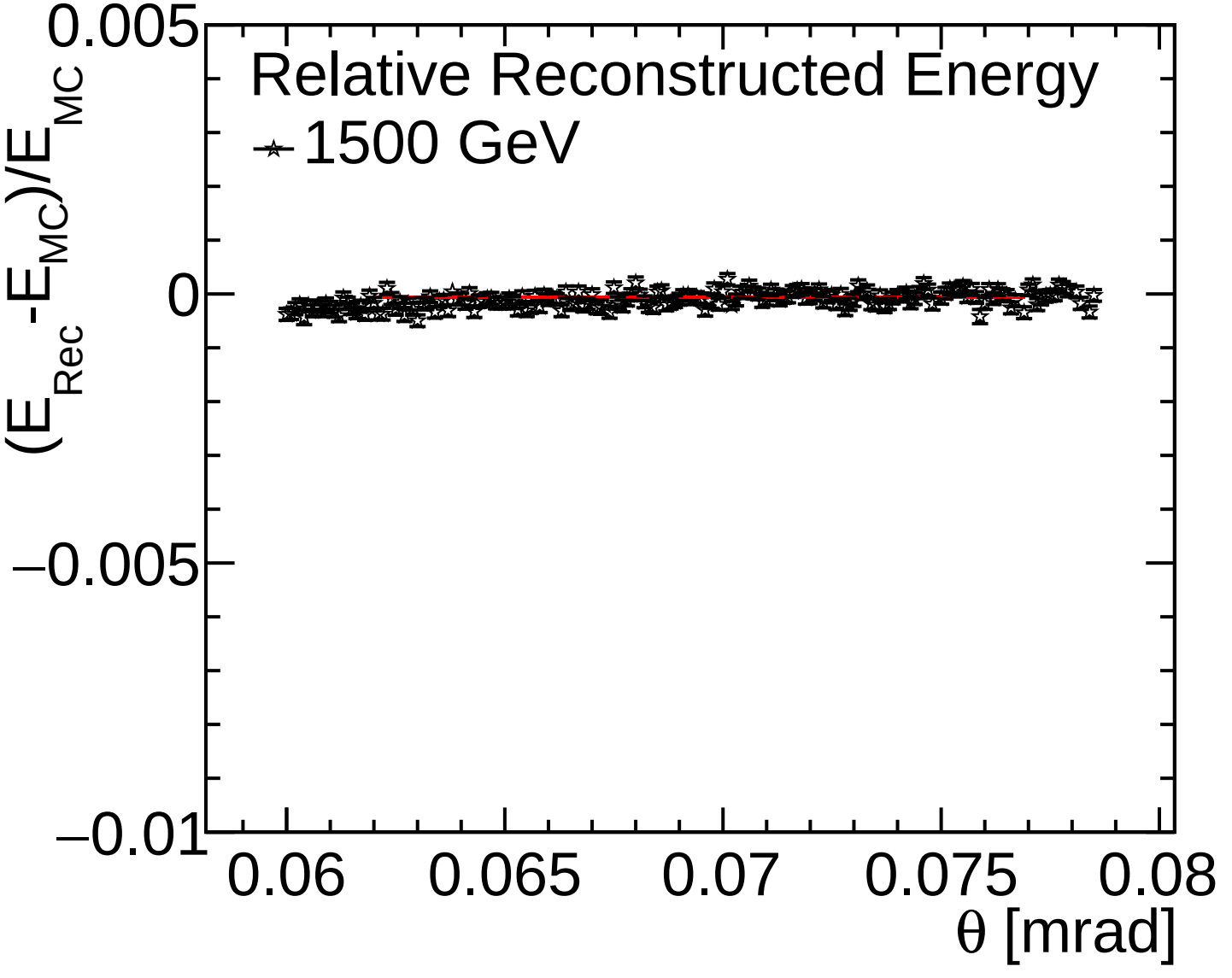

N
200
150
100
50
0
1500 GeV
74.4 mrad
74.5 mrad
74.6 mrad
74.7 mrad
74.8 mrad
75.0 mrad
75.1 mrad
75.2 mrad
75.3 mrad
–0.04
–0.02
0
0.02
0.04
(E_Reco - E_MC)/E_MC

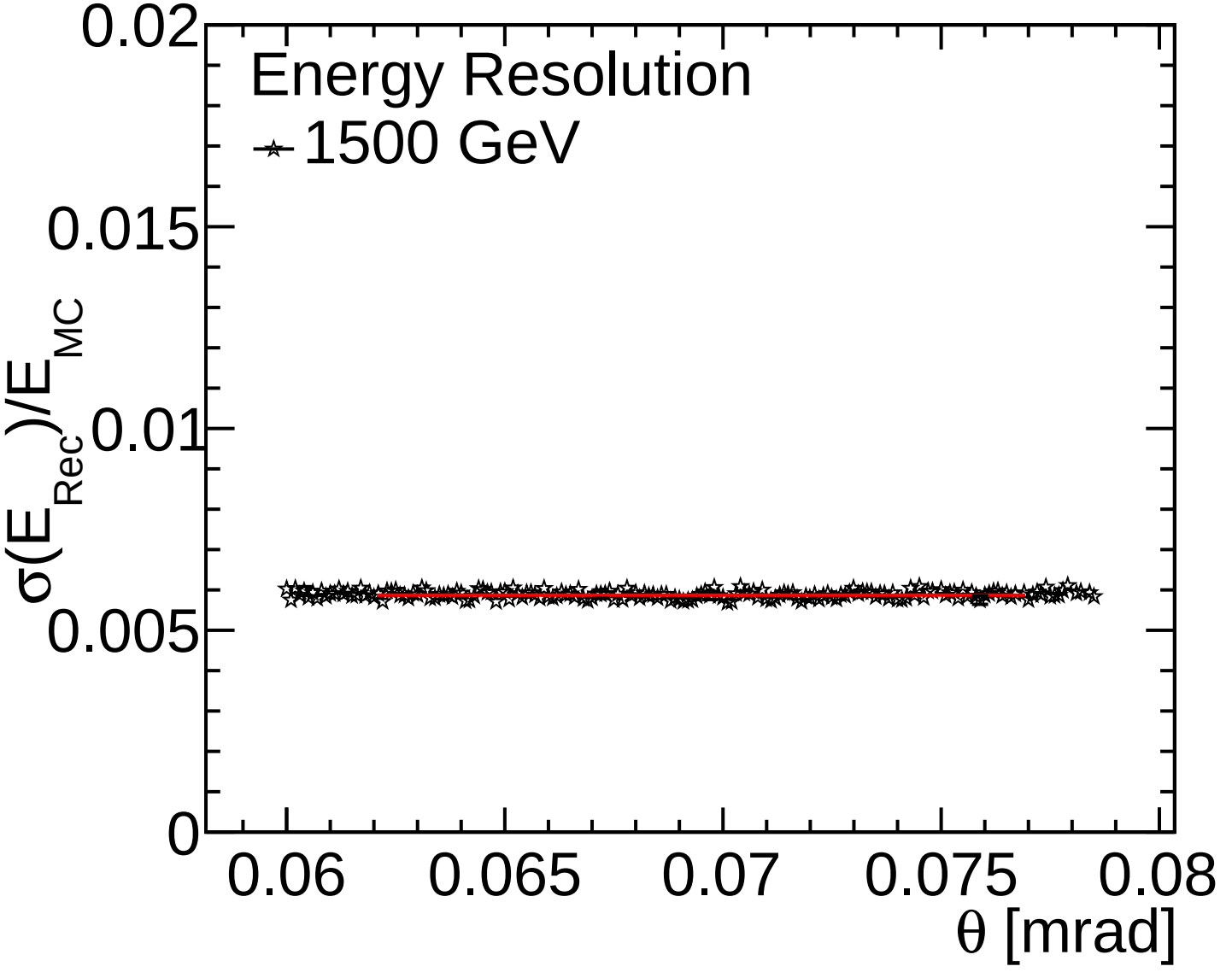

N
1500 GeV
75.4 mrad
75.5 mrad
75.6 mrad
75.7 mrad
75.8 mrad
75.9 mrad
76.0 mrad
76.1 mrad
76.2 mrad
200
150
100
50
0
–0.04
–0.02
0
0.02
0.04
(E_Reco - E_MC)/E_MC

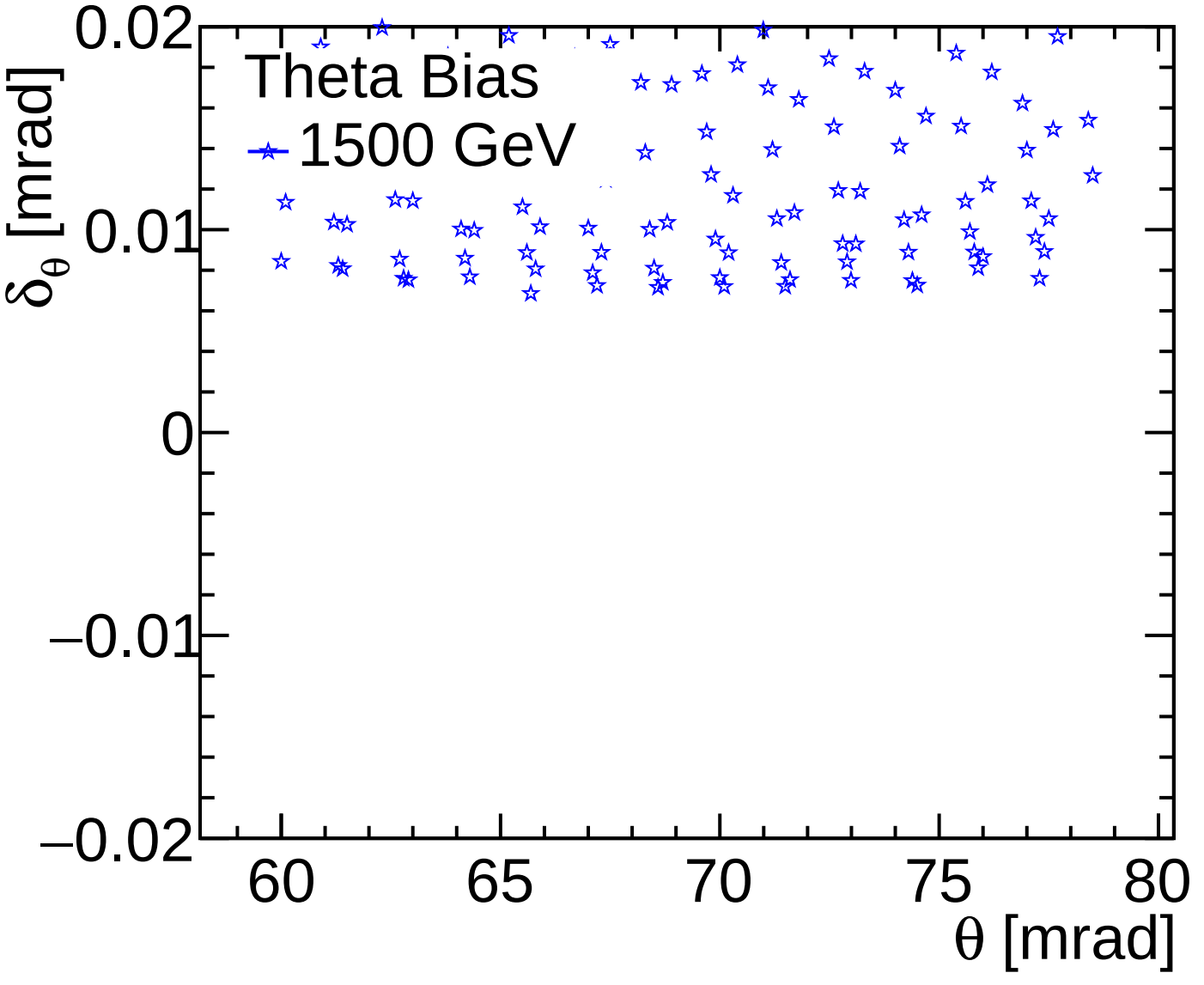

1500 GeV
76.3 mrad
76.4 mrad
76.5 mrad
76.6 mrad
76.7 mrad
76.9 mrad
77.0 mrad
77.1 mrad
77.2 mrad
N
200
150
100
50
0
–0.04
–0.02
0
0.02
0.04
(E_Reco - E_MC)/E_MC

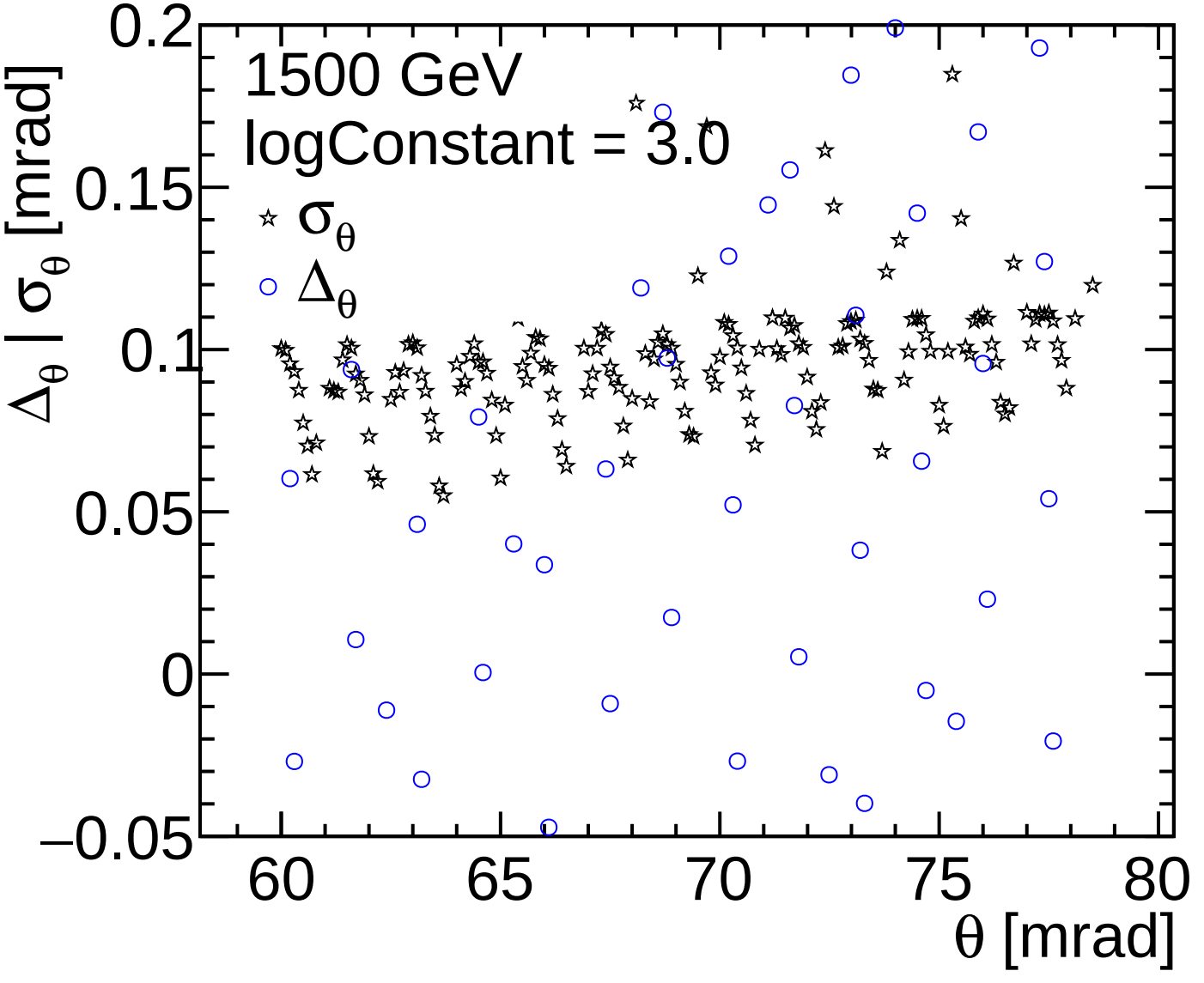

N
200
150
100
50
0
1500 GeV
77.3 mrad
77.4 mrad
77.5 mrad
77.6 mrad
77.7 mrad
77.8 mrad
77.9 mrad
78.1 mrad
78.2 mrad
–0.04
–0.02
0
0.02
0.04
(E_Reco - E_MC)/E_MC

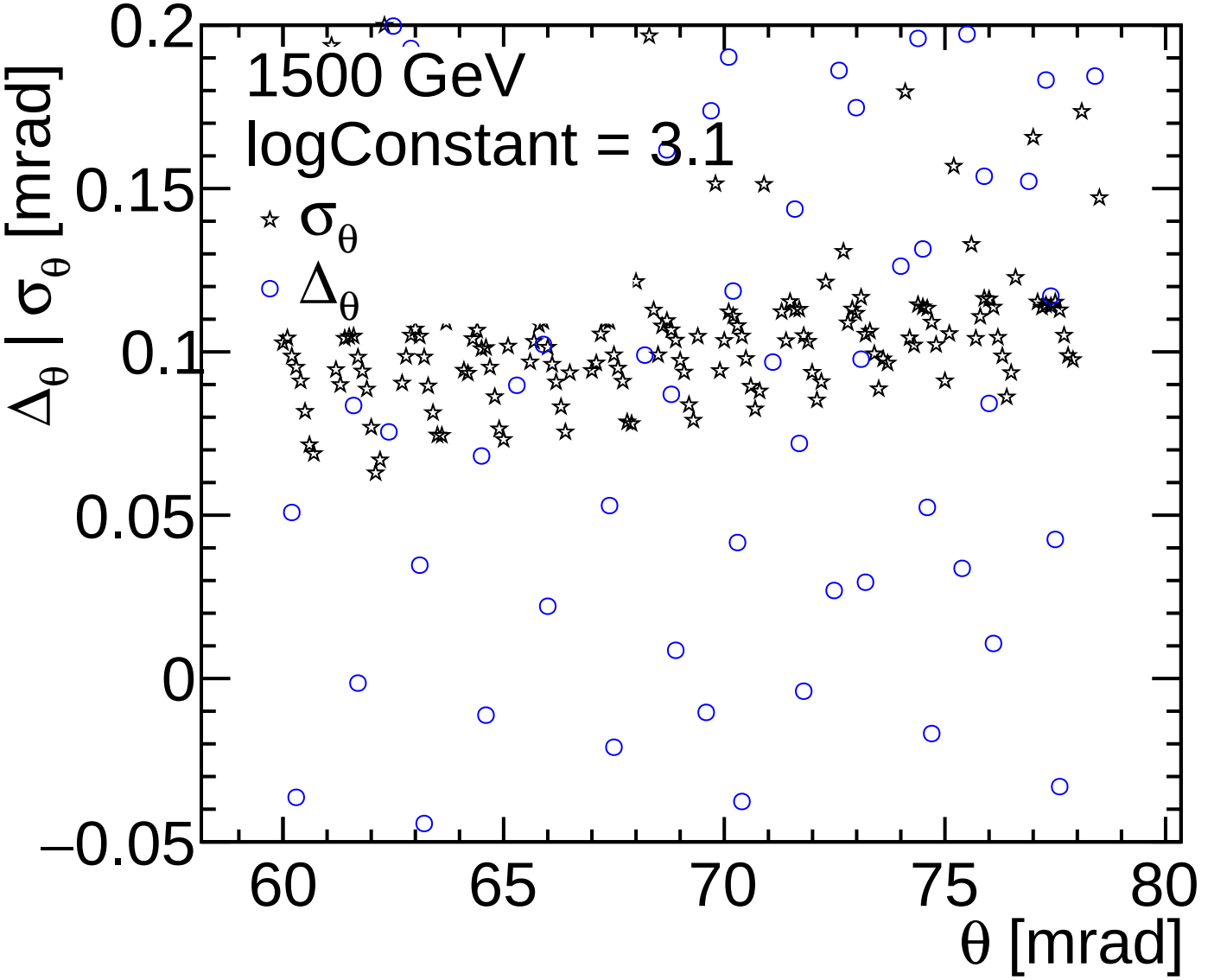

N
200
150
100
50
0
1500 GeV
78.4 mrad
78.5 mrad
–0.04
–0.02
0
0.02
0.04
(E_Reco - E_MC)/E_MC

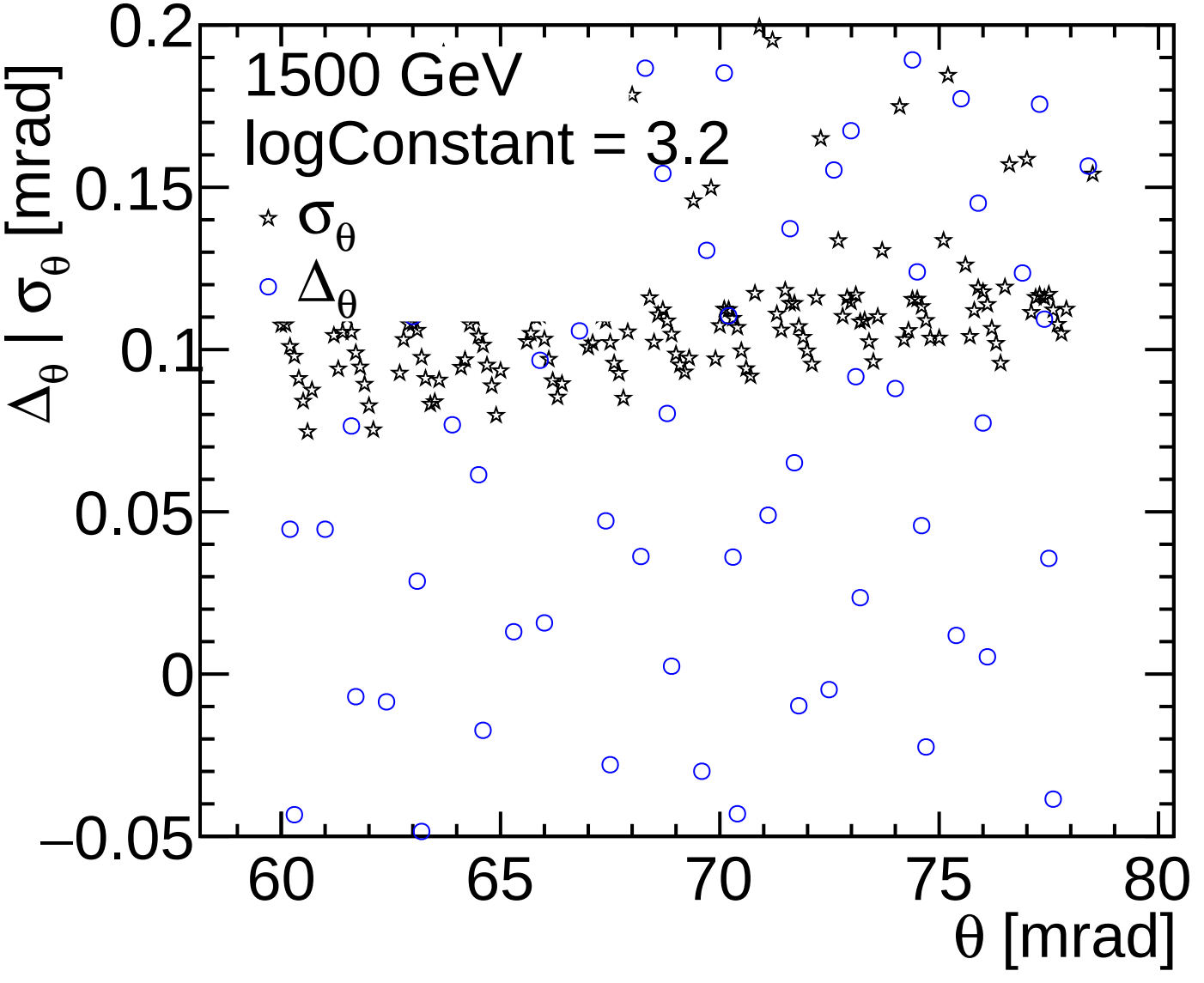

Relative Reconstructed Energy
1500 GeV
0.005
0
–0.005
–0.01
0.06
0.065
0.07
0.075
0.08
θ [mrad]
(E_Rec-E_MC)/E_MC

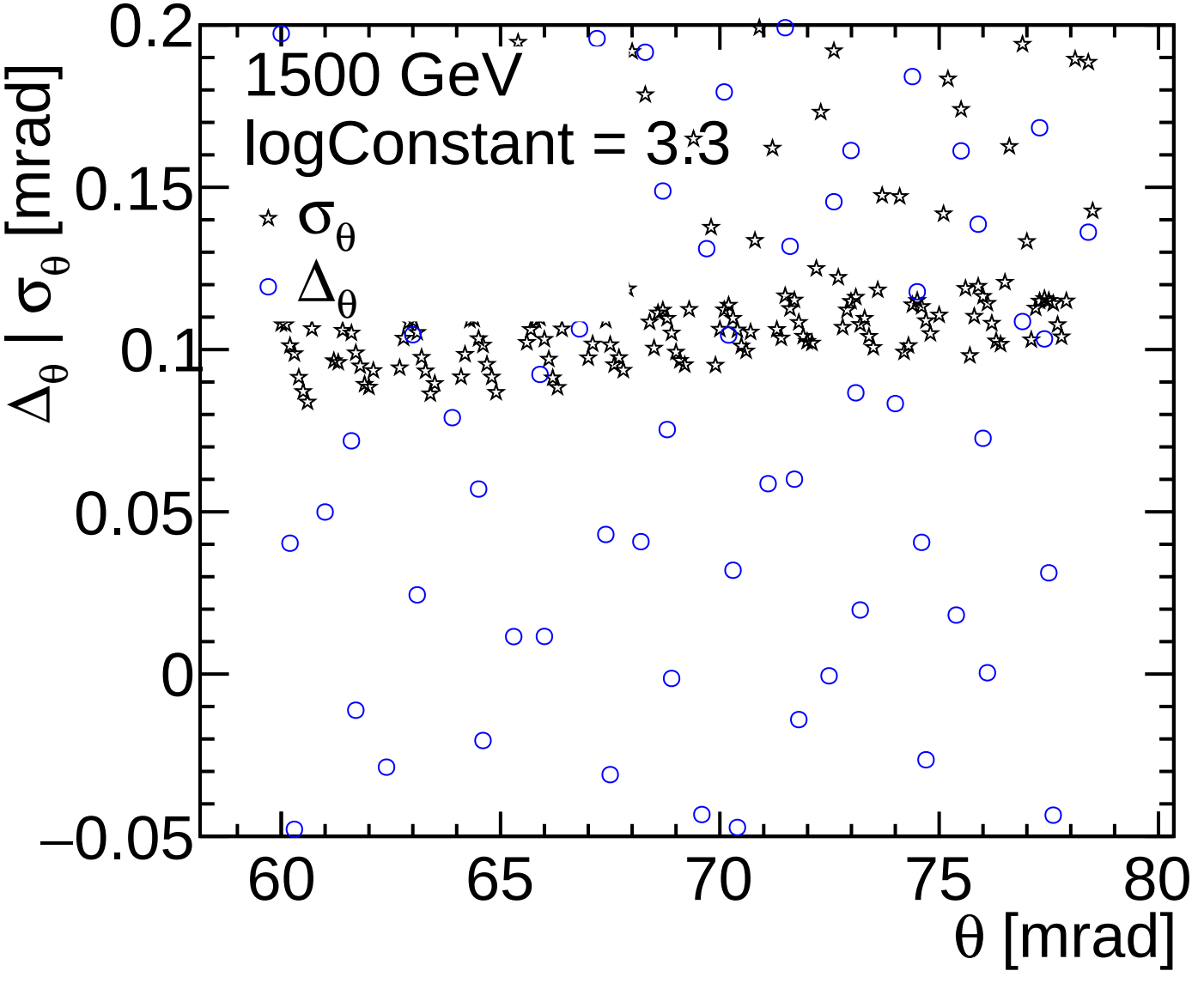

Energy Resolution
1500 GeV
0.02
0.015
0.01
0.005
0
0.06
0.065
0.07
0.075
0.08
θ [mrad]
σ(E_Rec)/E_MC

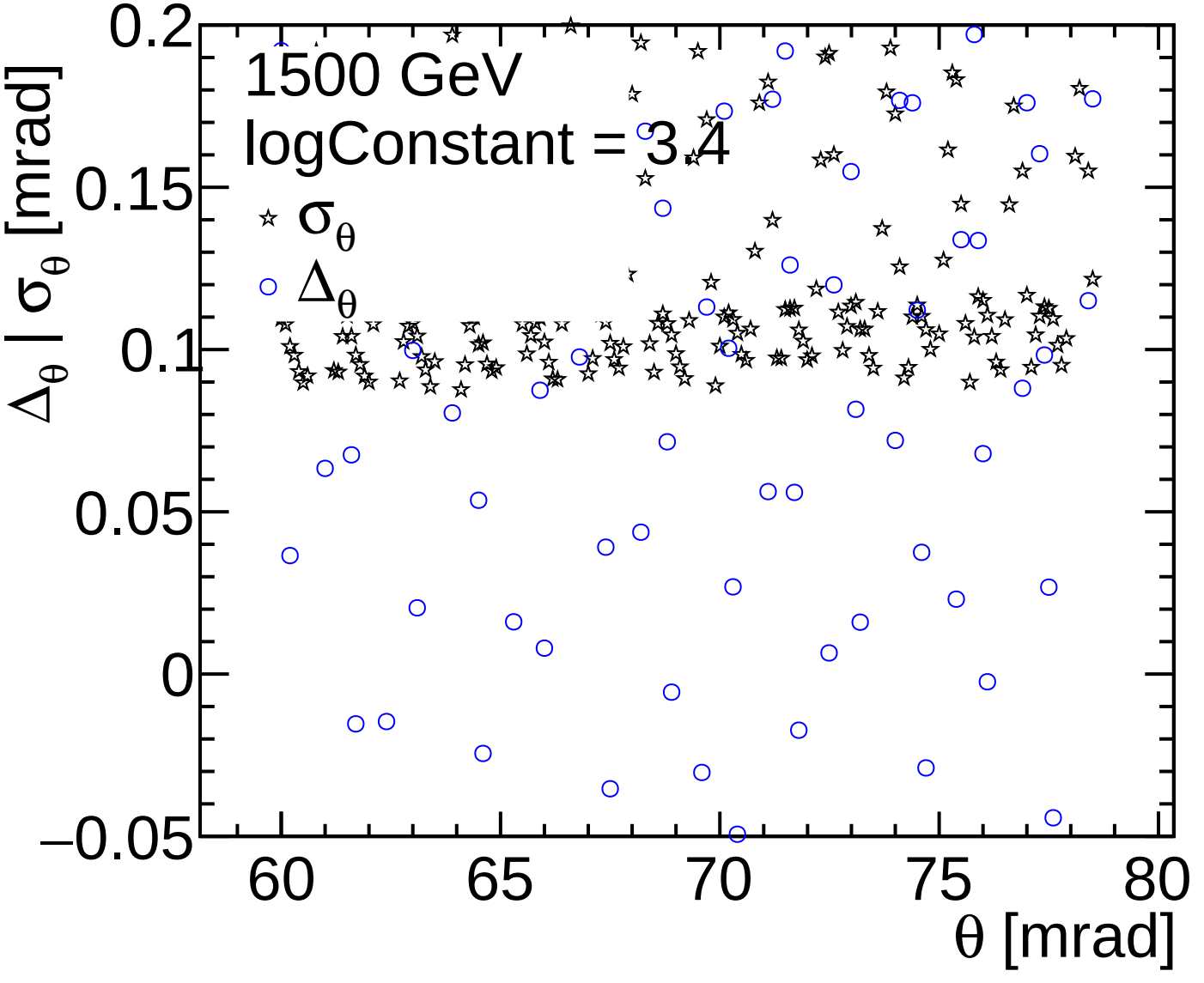

Theta Bias
1500 GeV
0.02
0.01
0
–0.01
–0.02
δ_θ [mrad]
60
65
70
75
80
θ [mrad]

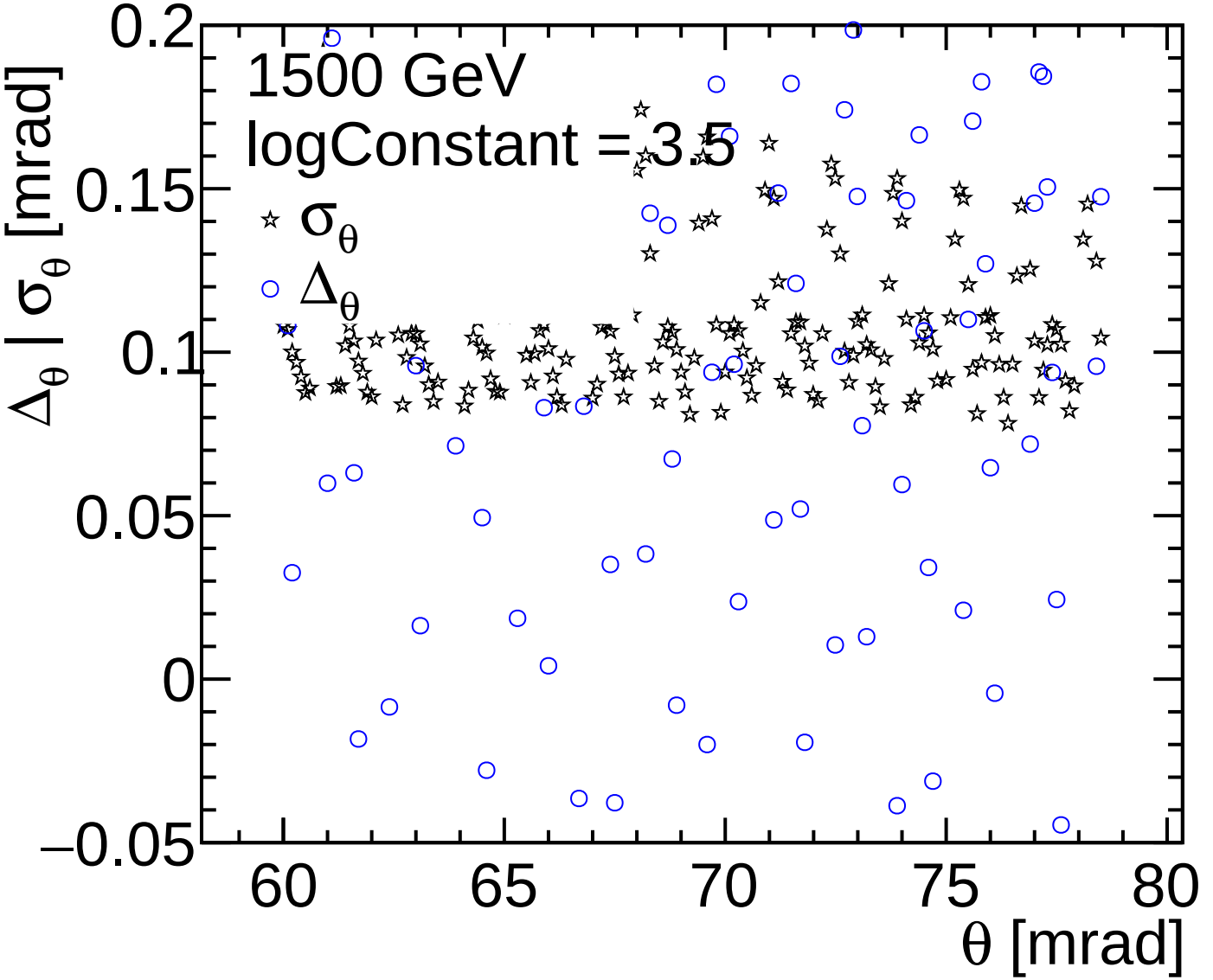

1500 GeV
logConstant = 3.0
σ_θ
Δ_θ
Δ_θ | σ_θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80
θ [mrad]

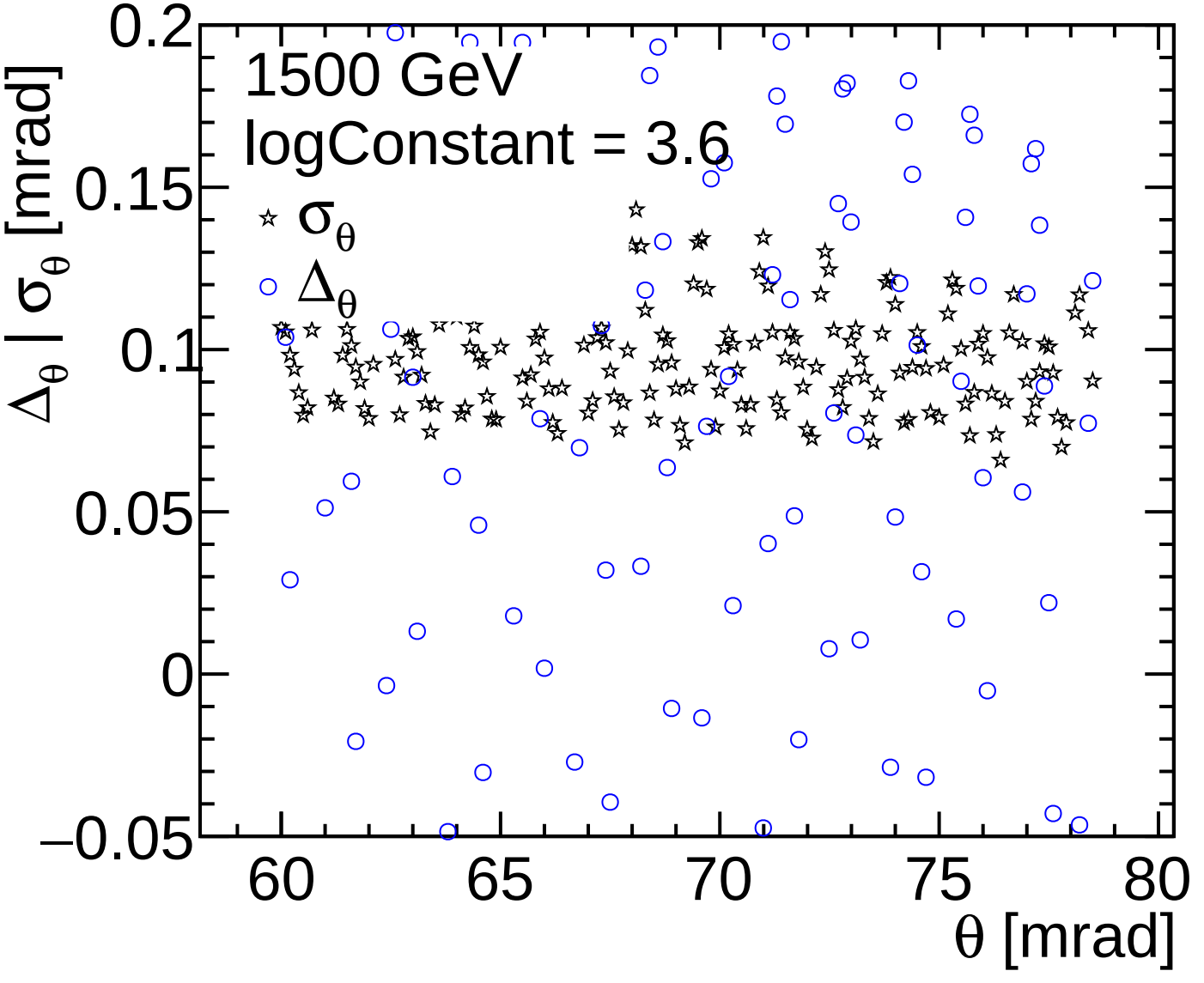

1500 GeV
logConstant = 3.1
σ_θ
Δ_θ
Δ_θ | σ_θ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80

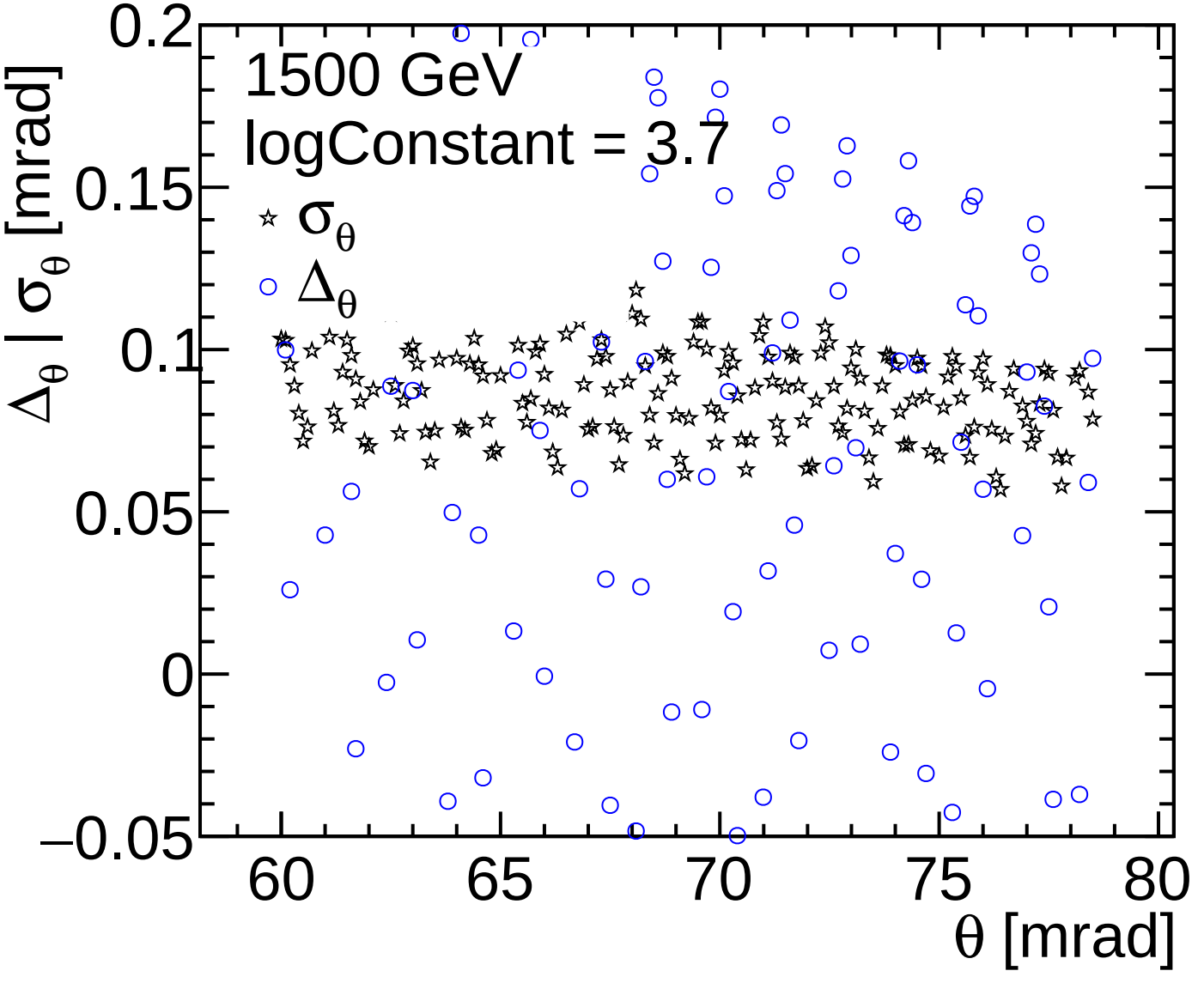

1500 GeV
logConstant = 3.2
σ_θ
Δ_θ
Δ_θ | σ_θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80
θ [mrad]

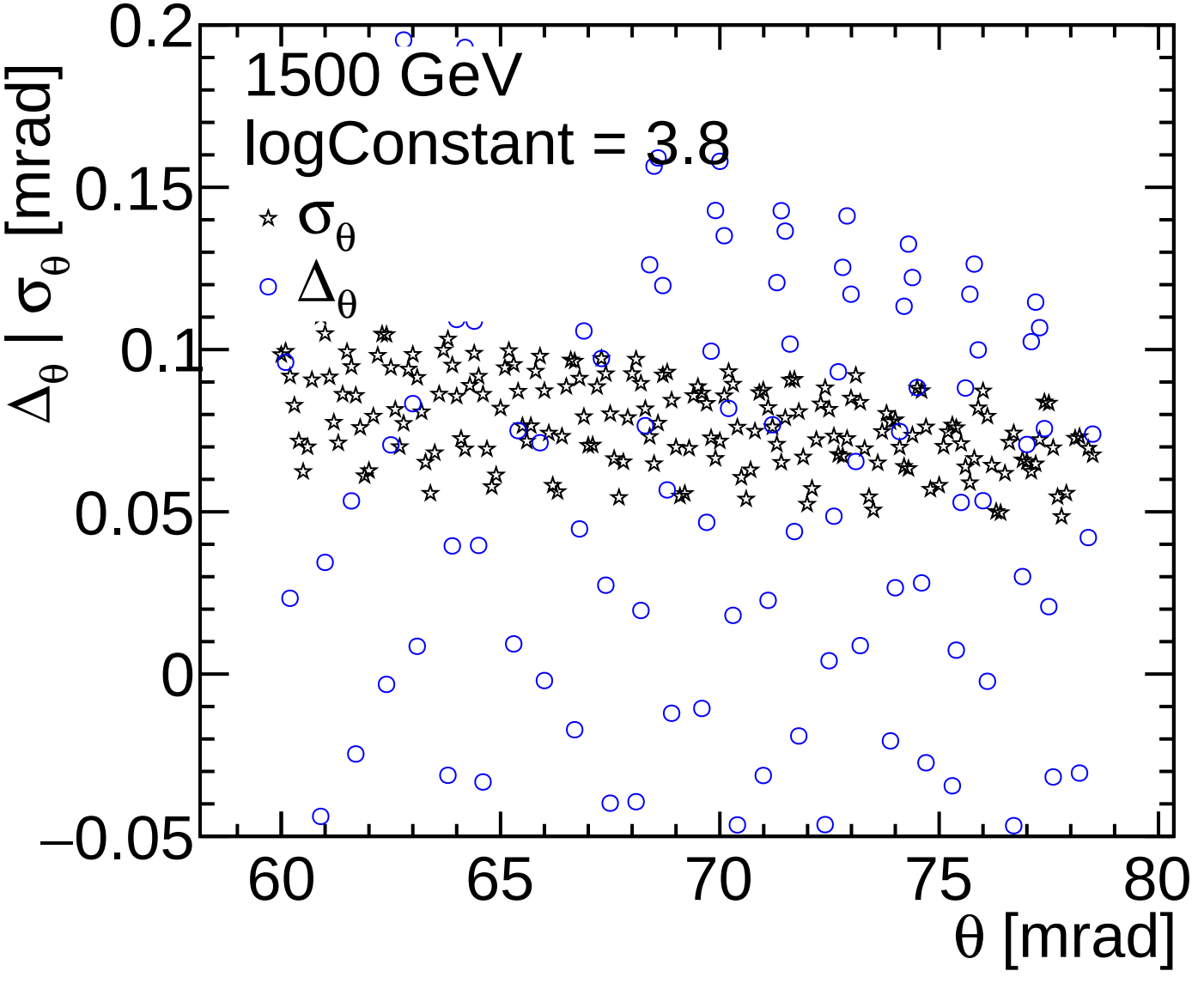

1500 GeV
logConstant = 3.3
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80

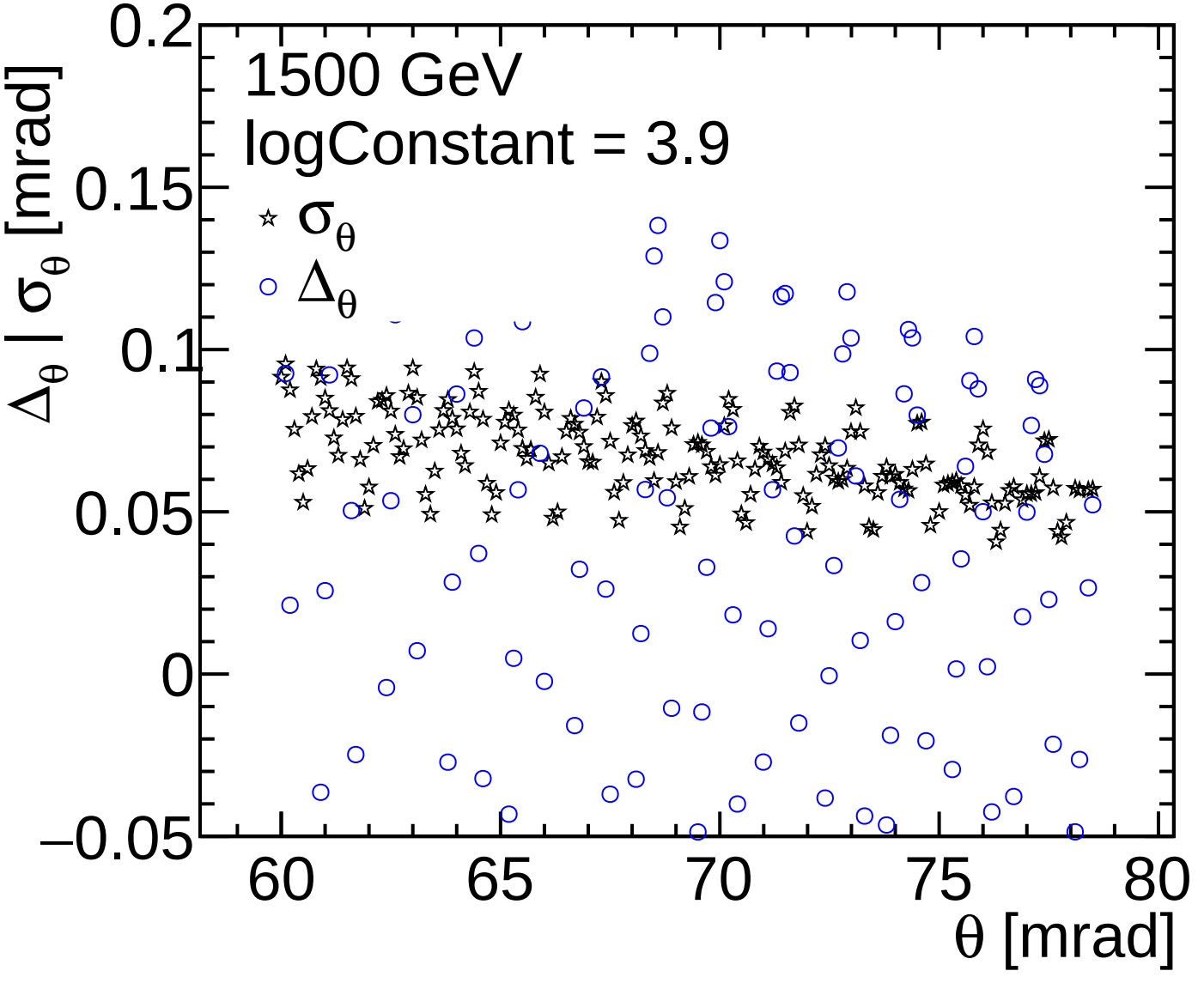

1500 GeV
logConstant = 3.4
σ_θ
Δ_θ
$\Delta_\theta \mid \sigma_\theta$ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80
θ [mrad]

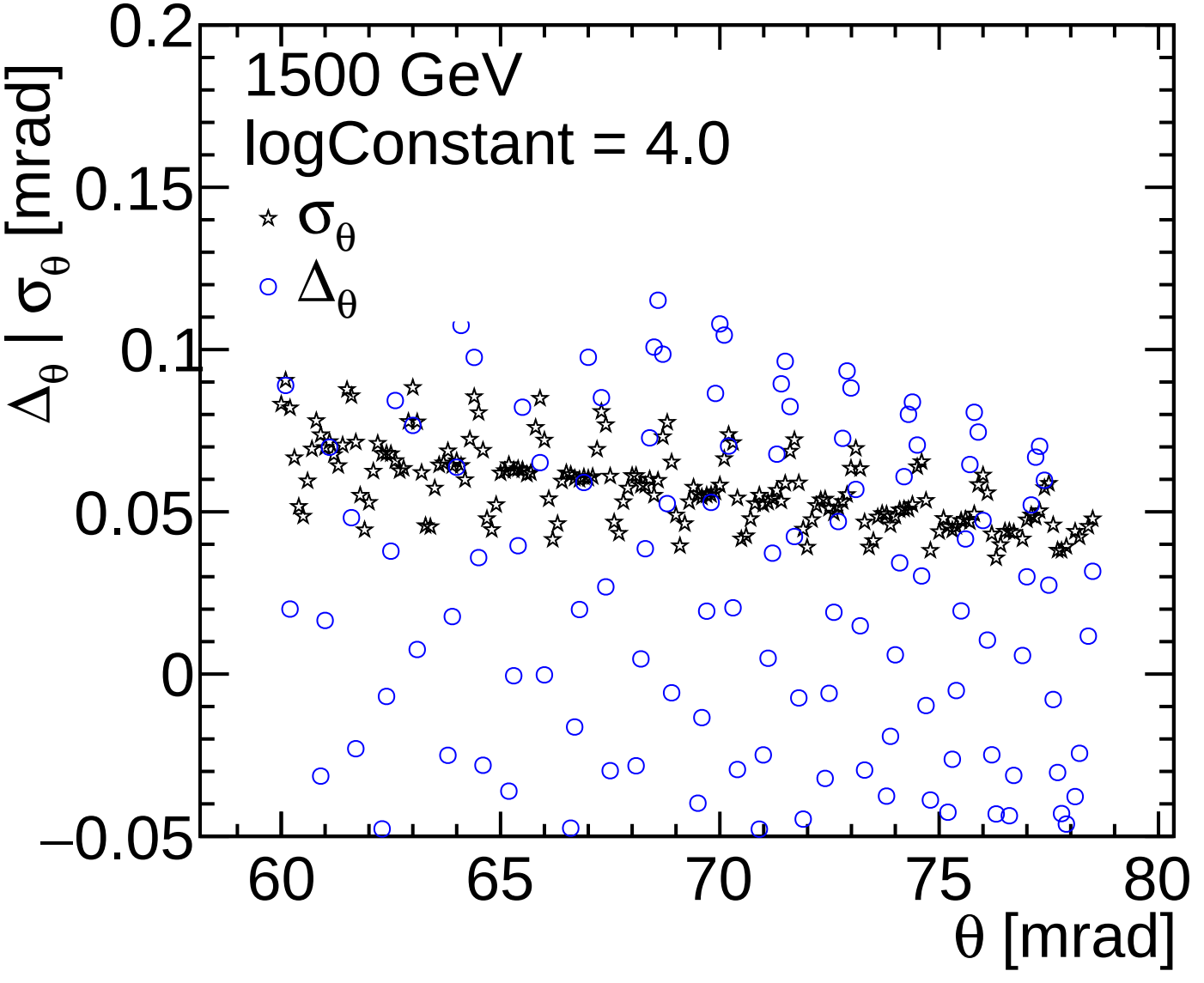

1500 GeV
logConstant = 3.5
σ_θ
Δ_θ
$\Delta_\theta \mid \sigma_\theta$ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80
θ [mrad]

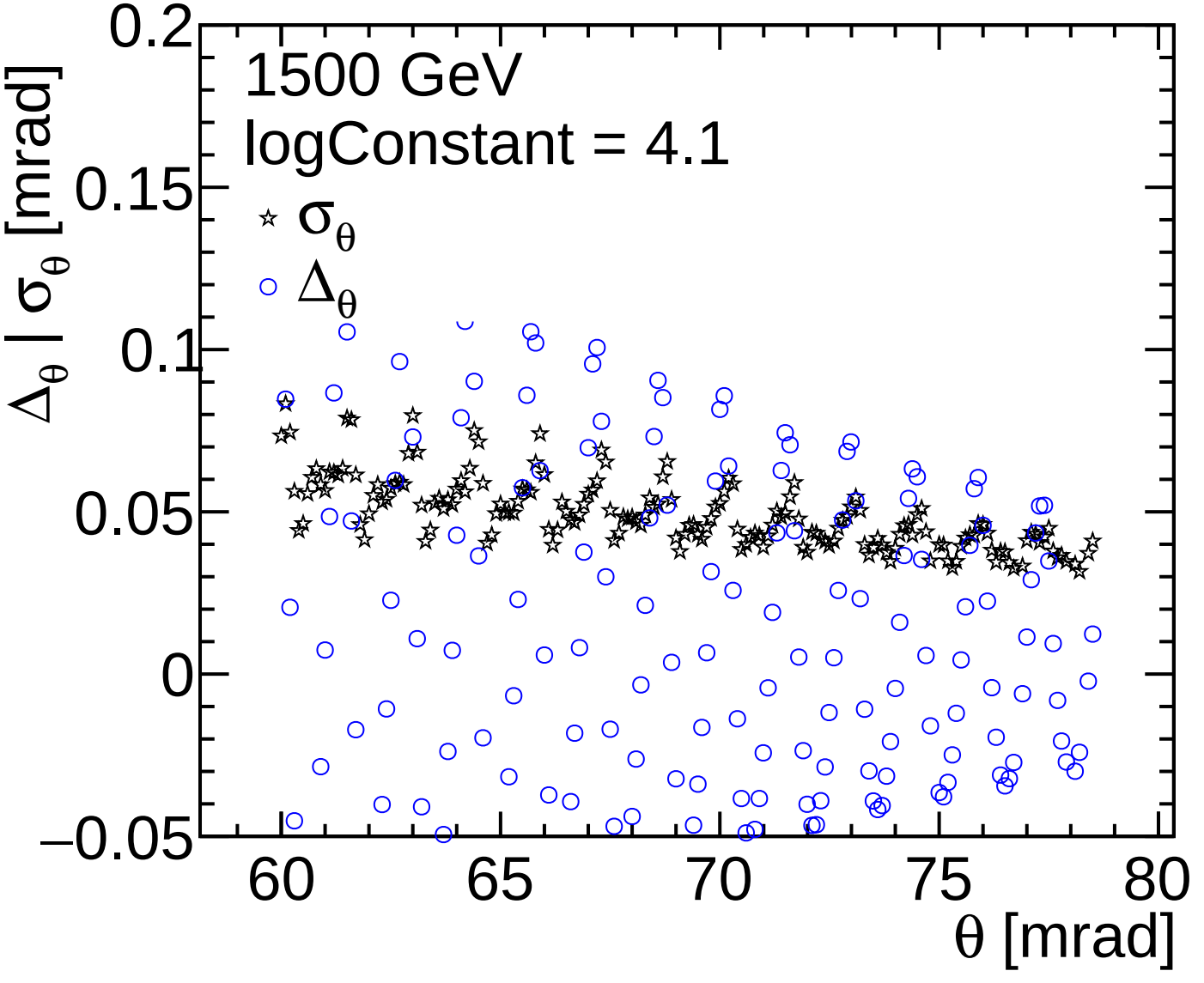

1500 GeV
logConstant = 3.6
σ_θ
Δ_θ
Δ_θ | σ_θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80
θ [mrad]

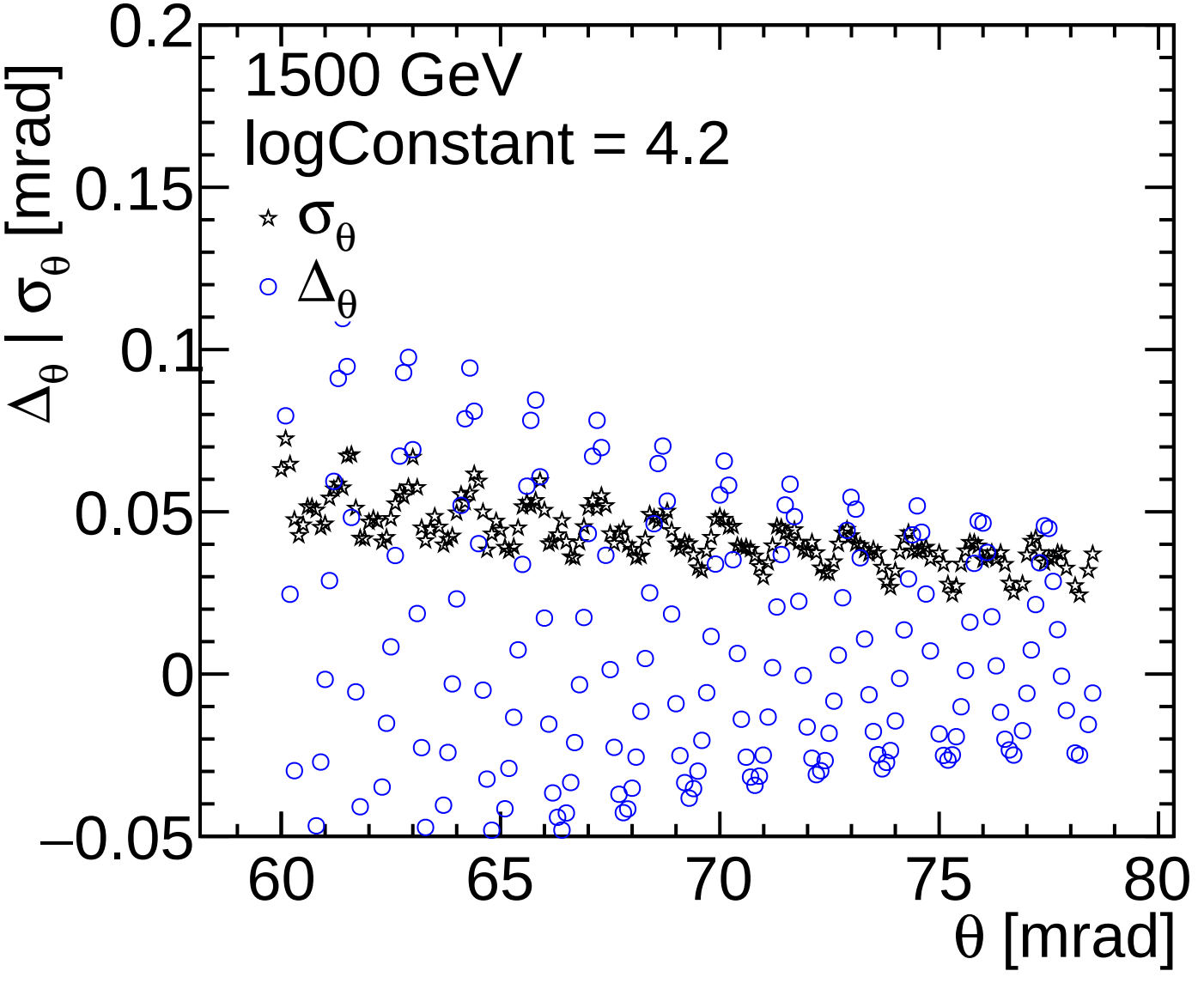

1500 GeV
logConstant = 3.7
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80

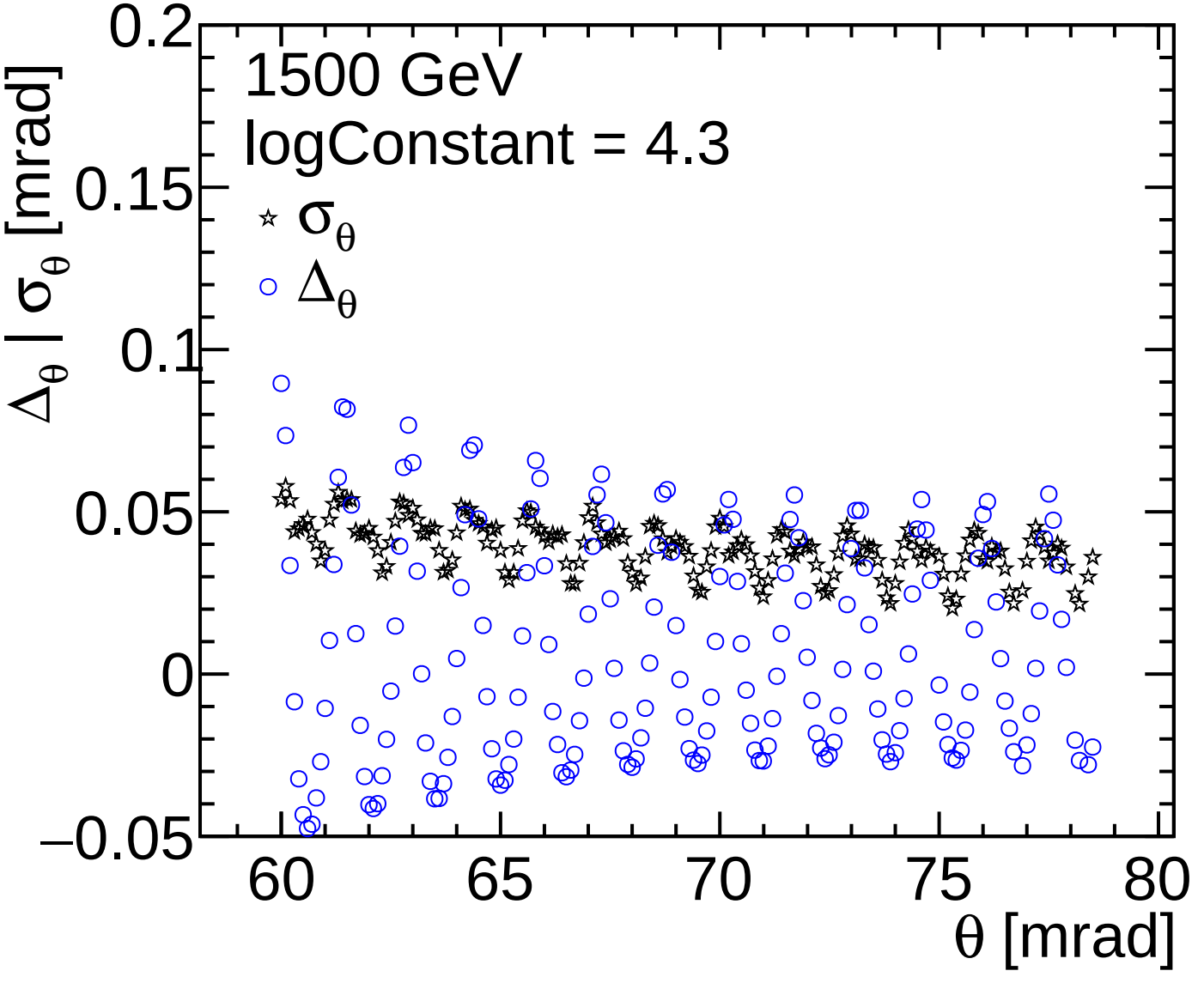

1500 GeV
logConstant = 3.8
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80


1500 GeV
logConstant = 3.9
σ_θ
Δ_θ
Δ_θ | σ_θ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80


1500 GeV
logConstant = 4.0
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80


1500 GeV
logConstant = 4.1
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80


1500 GeV
logConstant = 4.2
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80


1500 GeV
logConstant = 4.3
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
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0.1
0.05
0
−0.05
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65
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75
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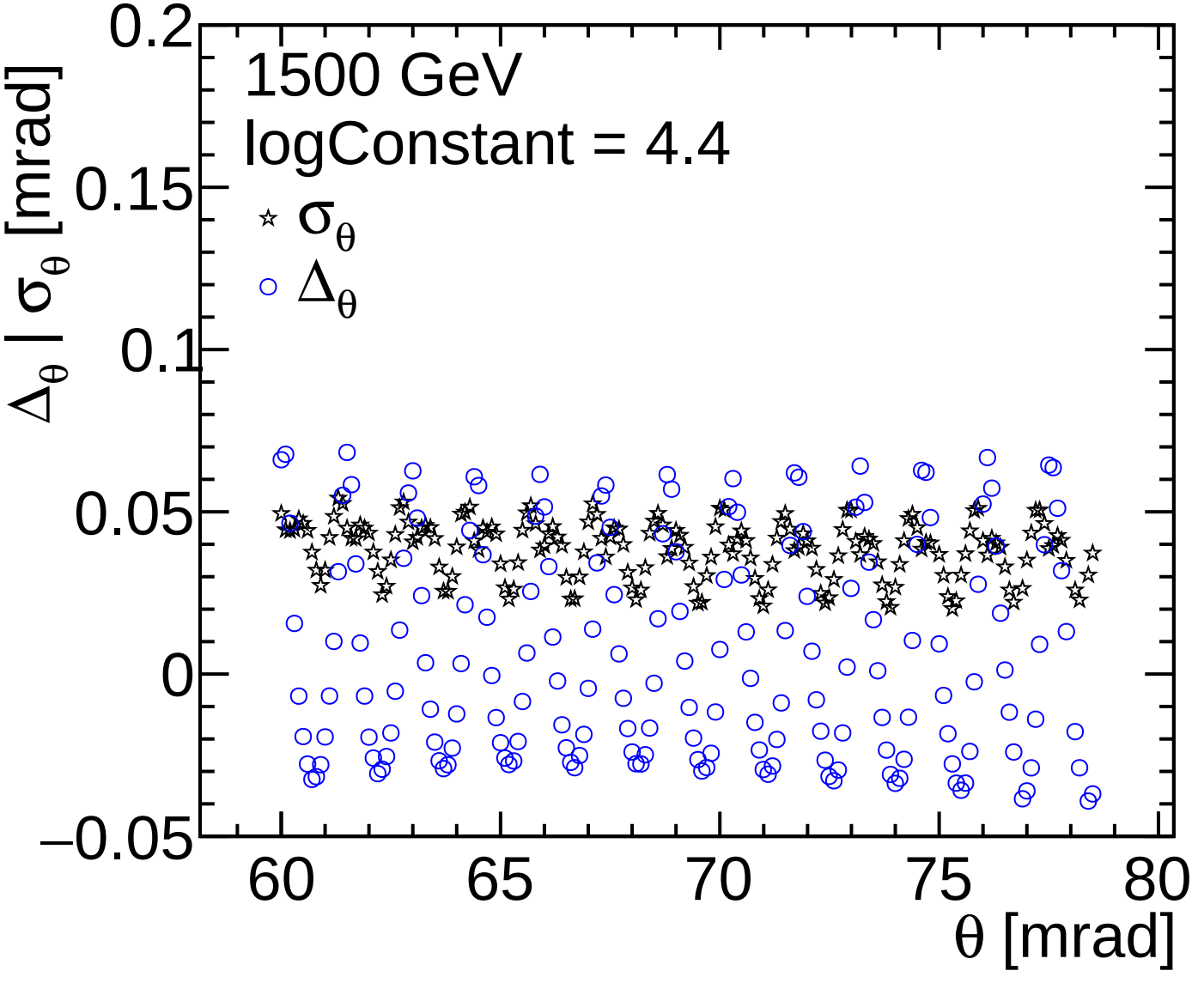
1500 GeV
logConstant = 4.4
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
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65
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75
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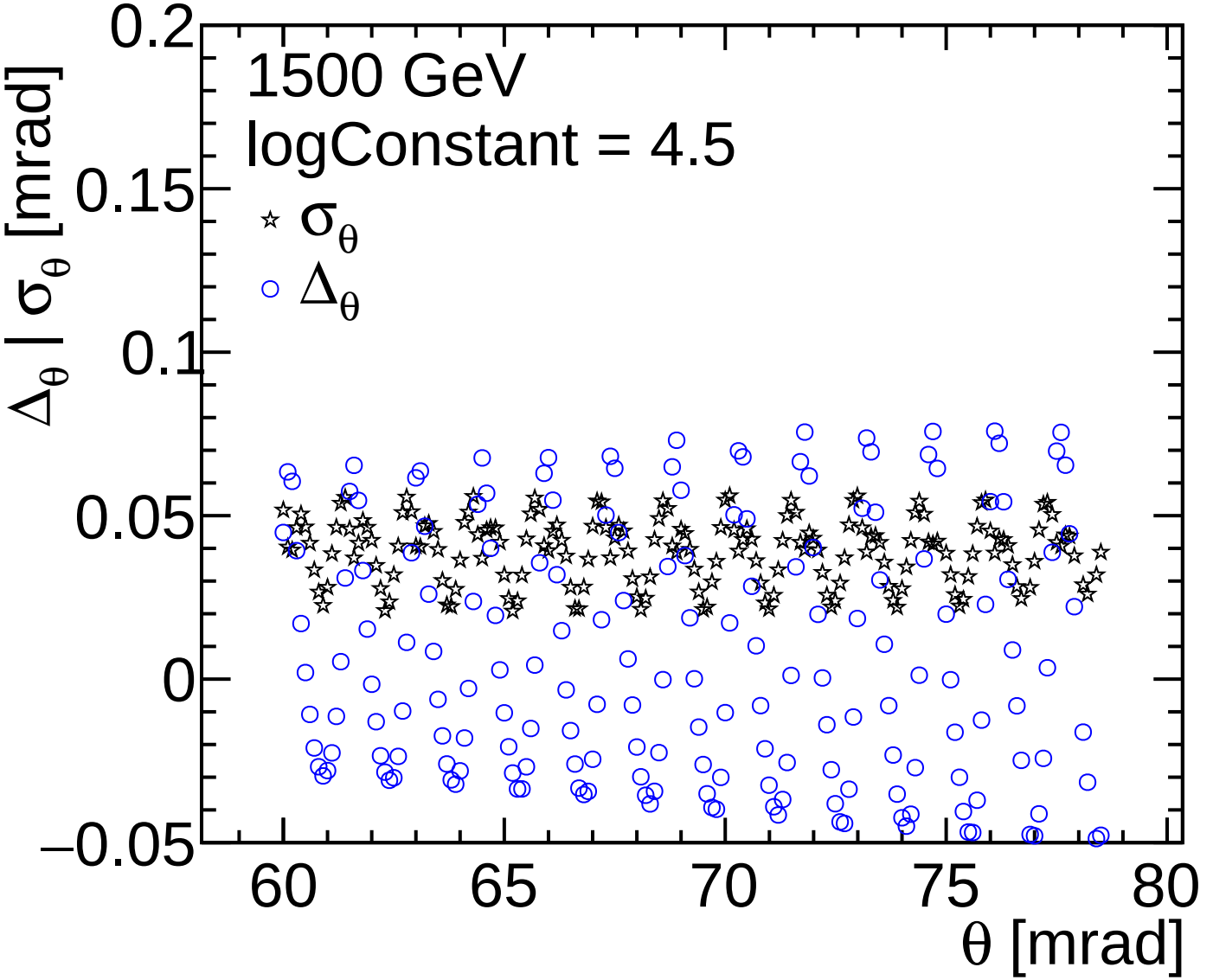
1500 GeV
logConstant = 4.5
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
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65
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75
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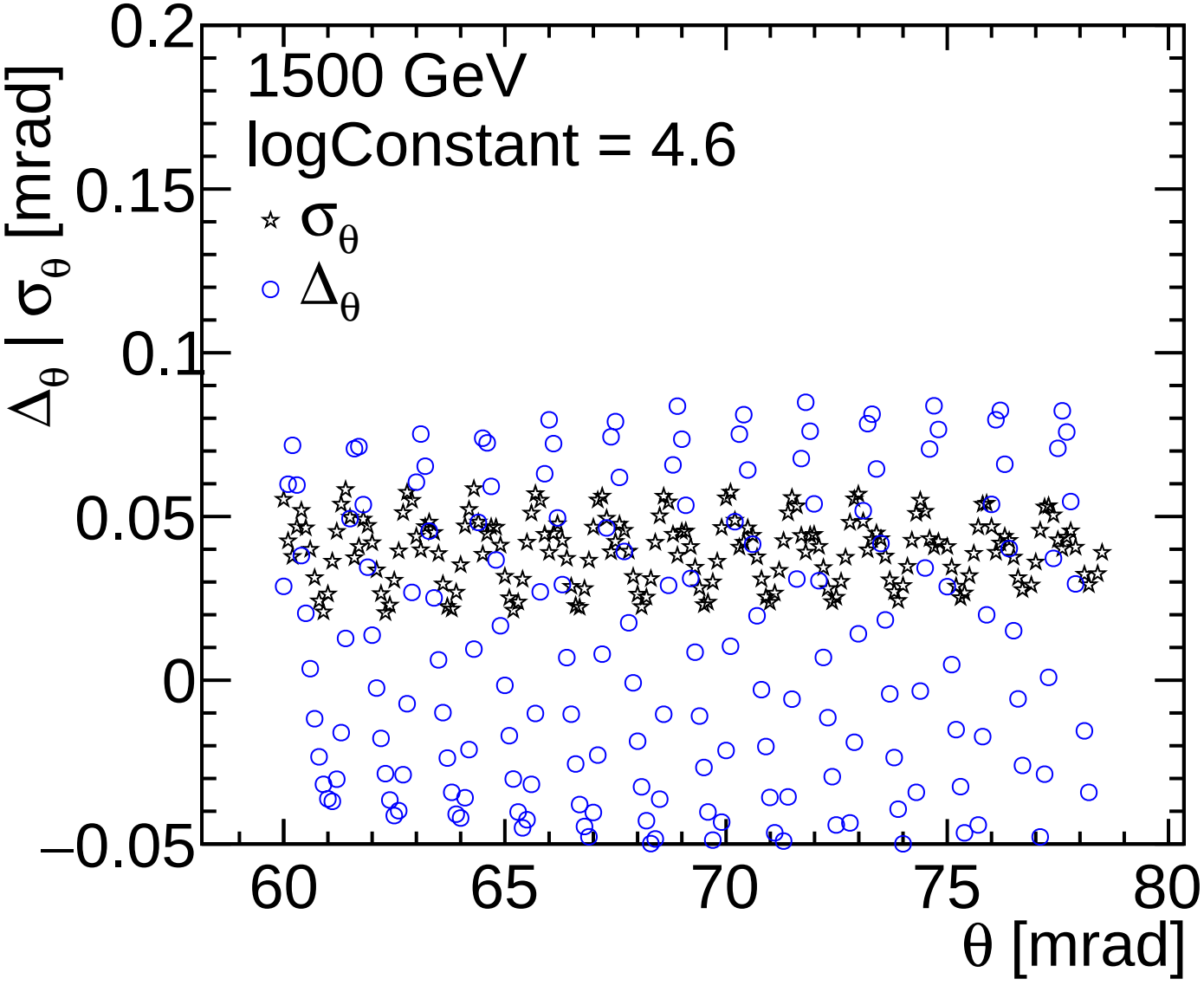
1500 GeV
logConstant = 4.6
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
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75
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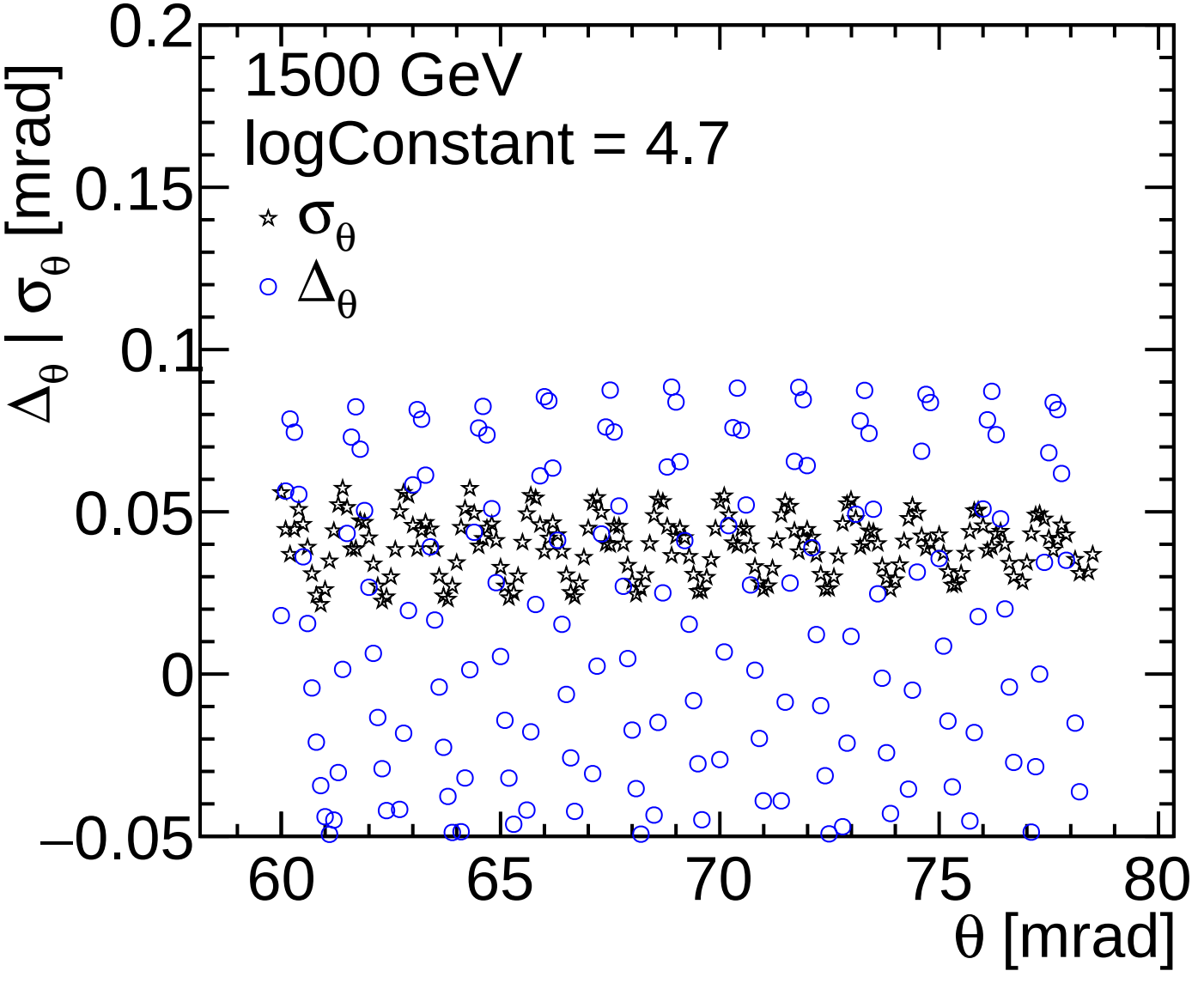
1500 GeV
logConstant = 4.7
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
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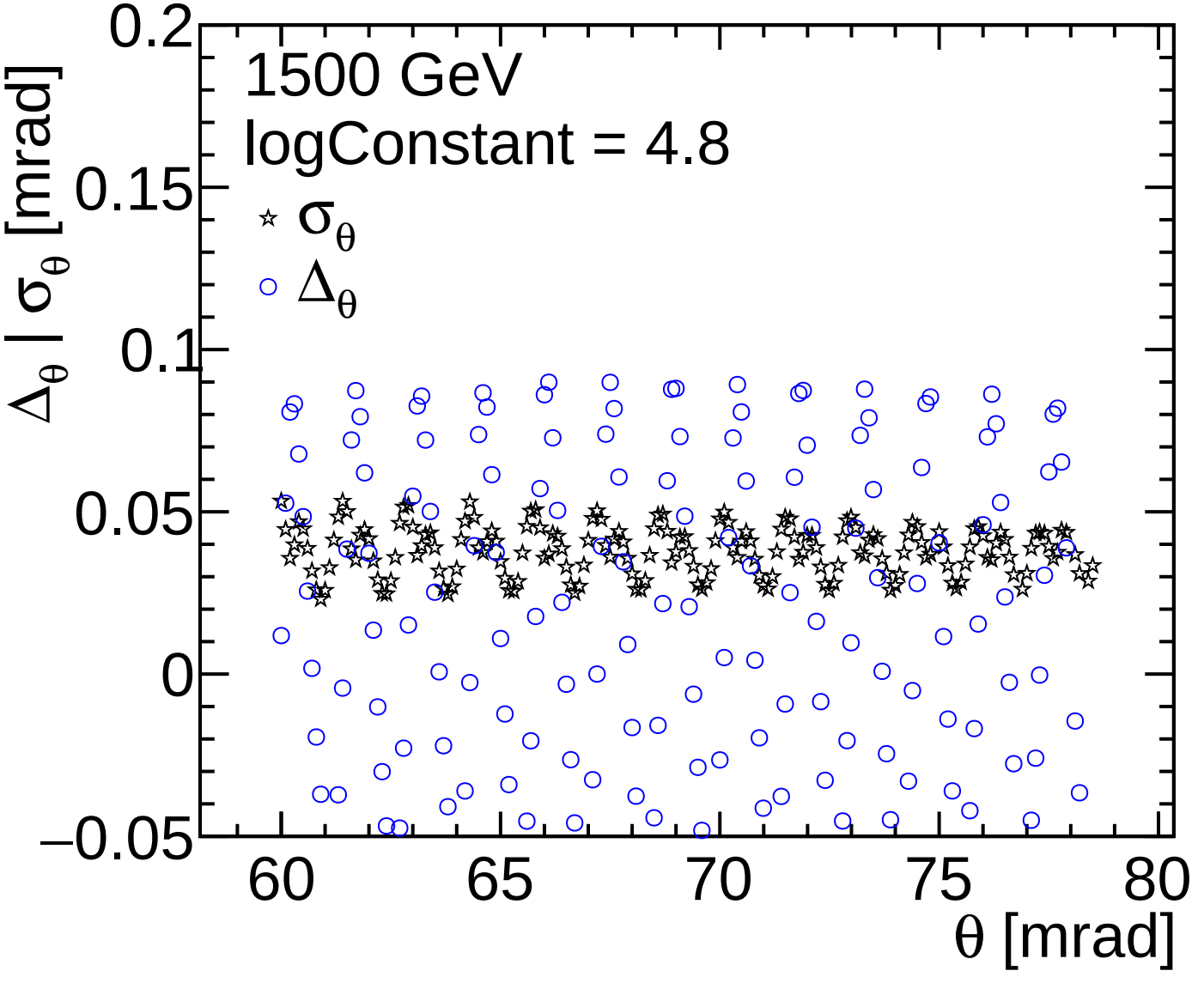
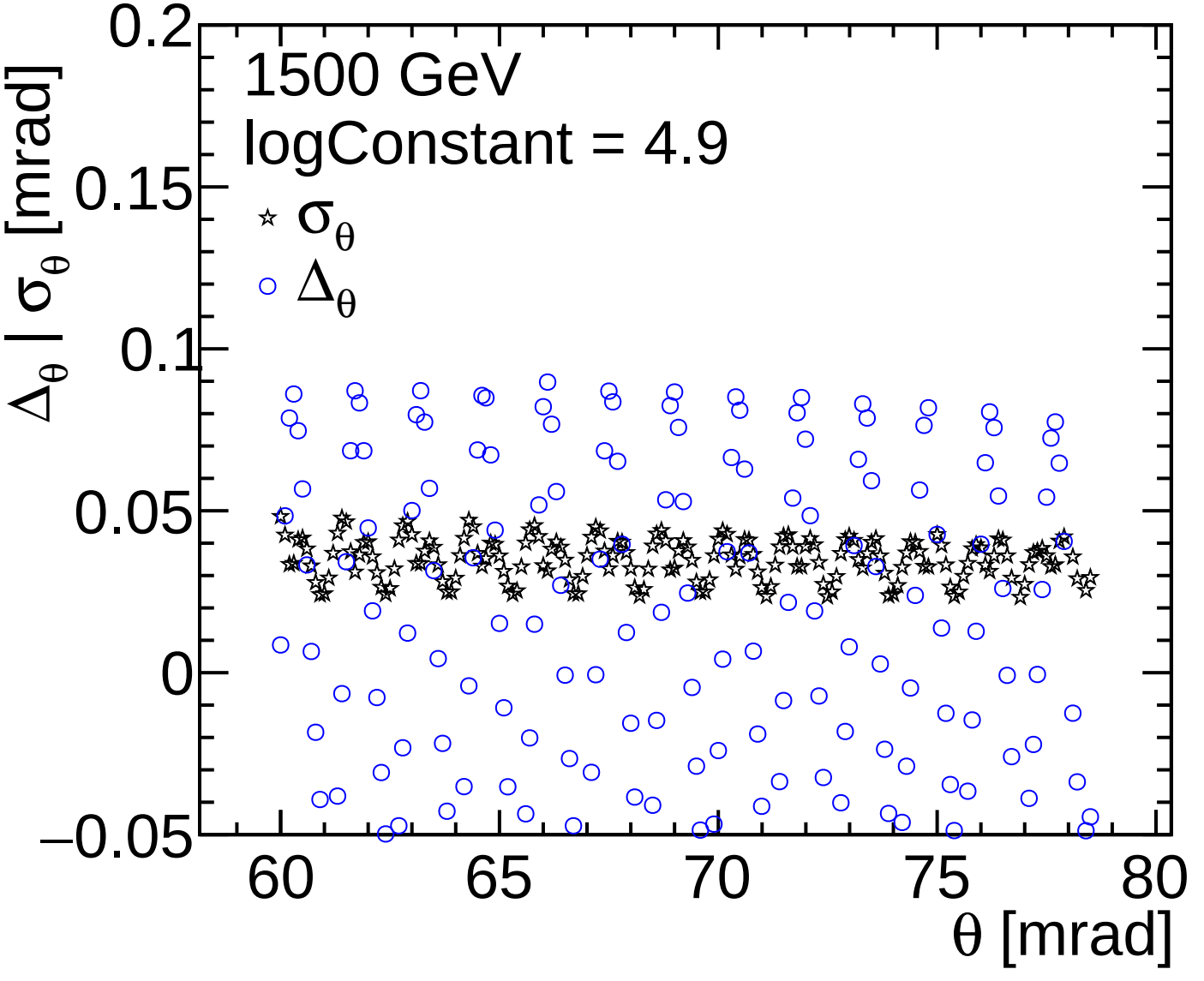
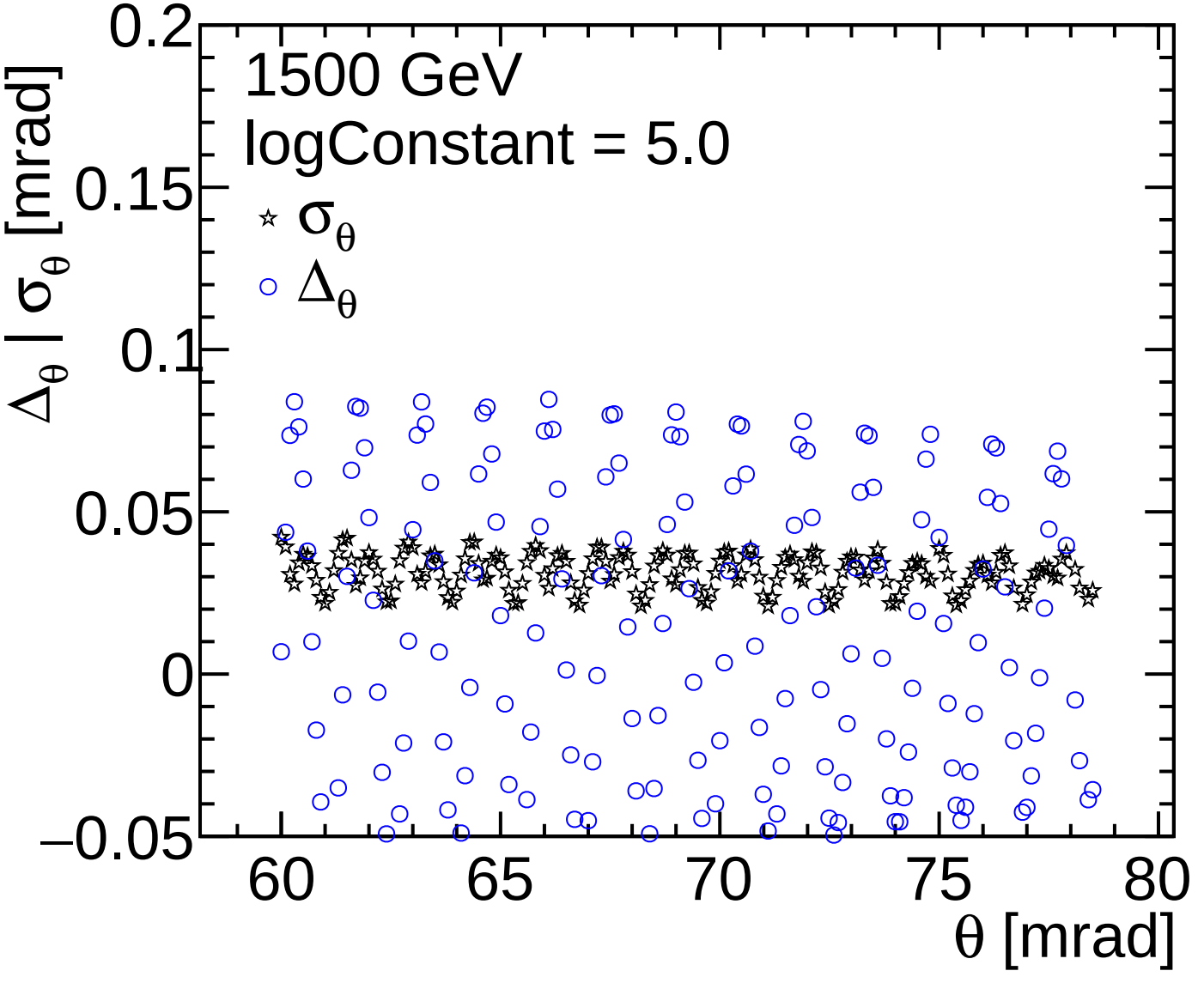
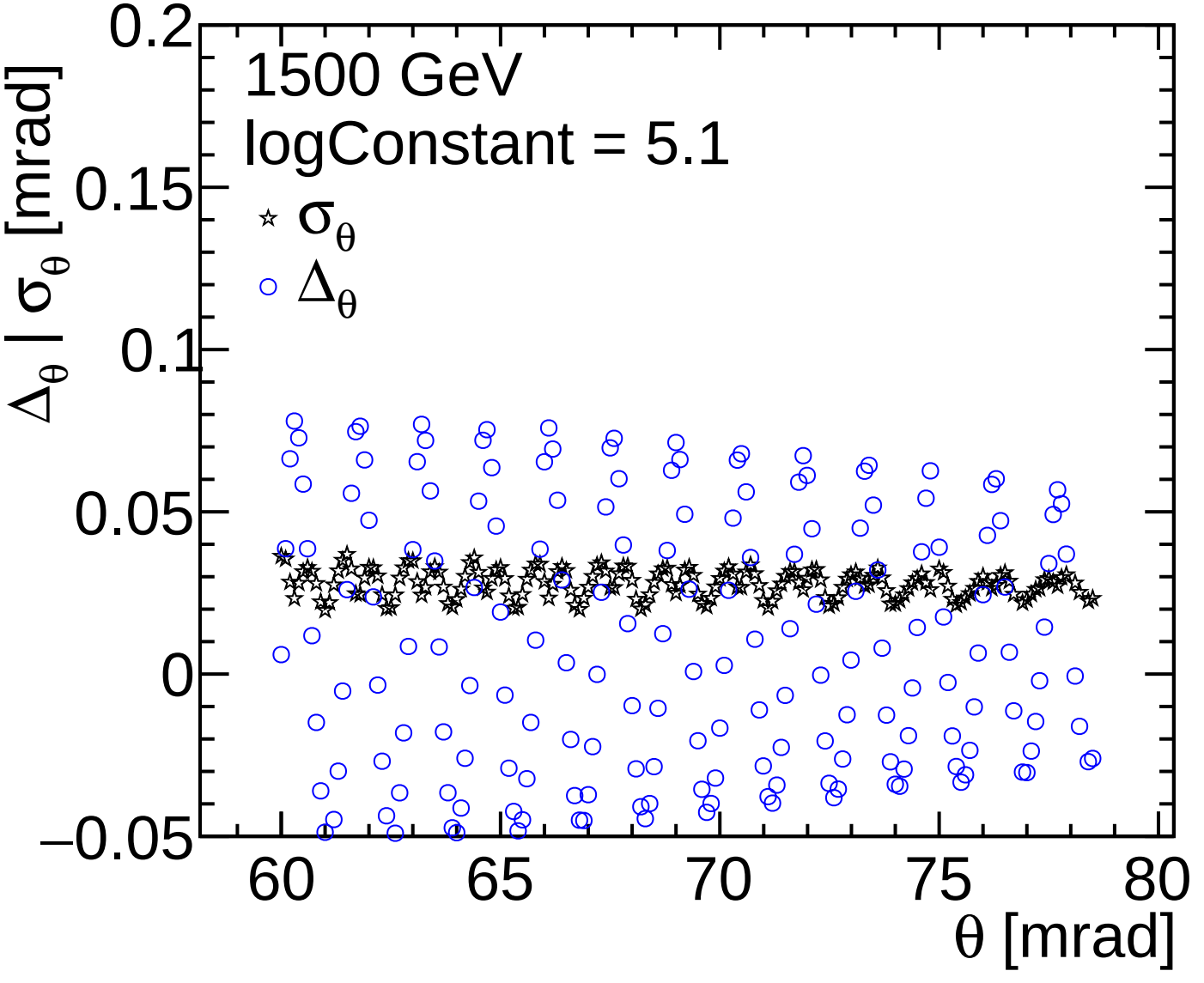
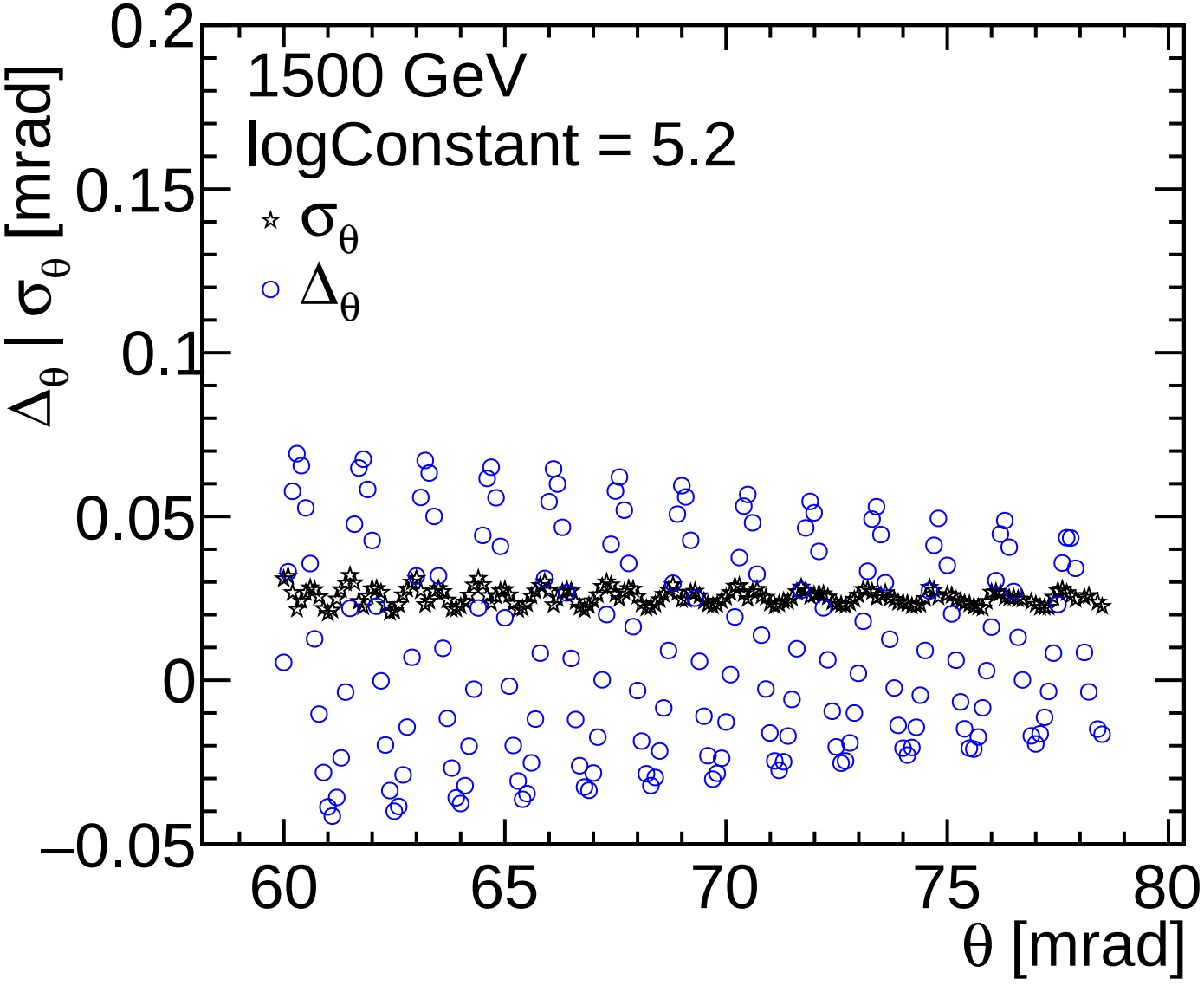
75
80

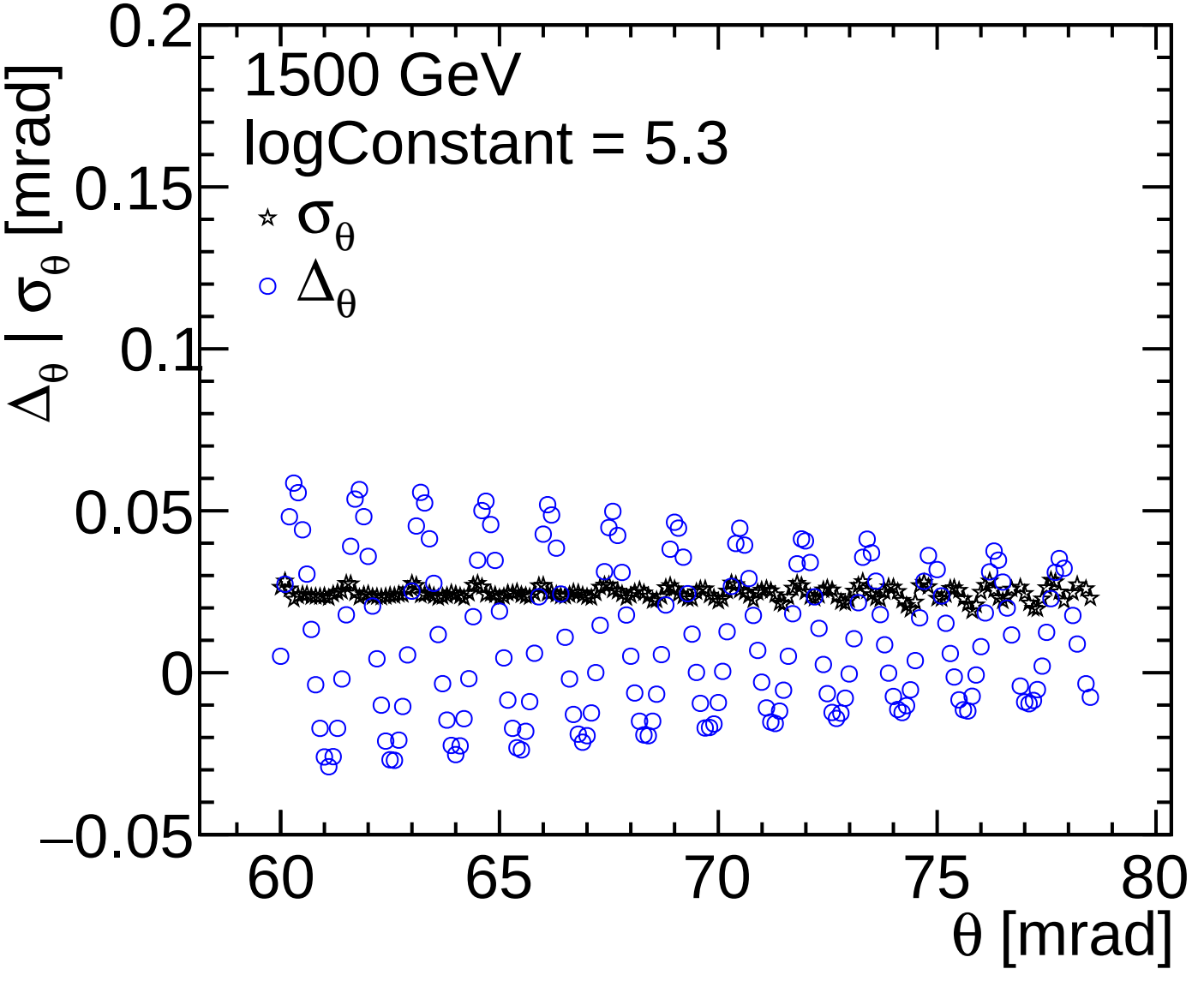

1500 GeV
logConstant = 4.8
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80

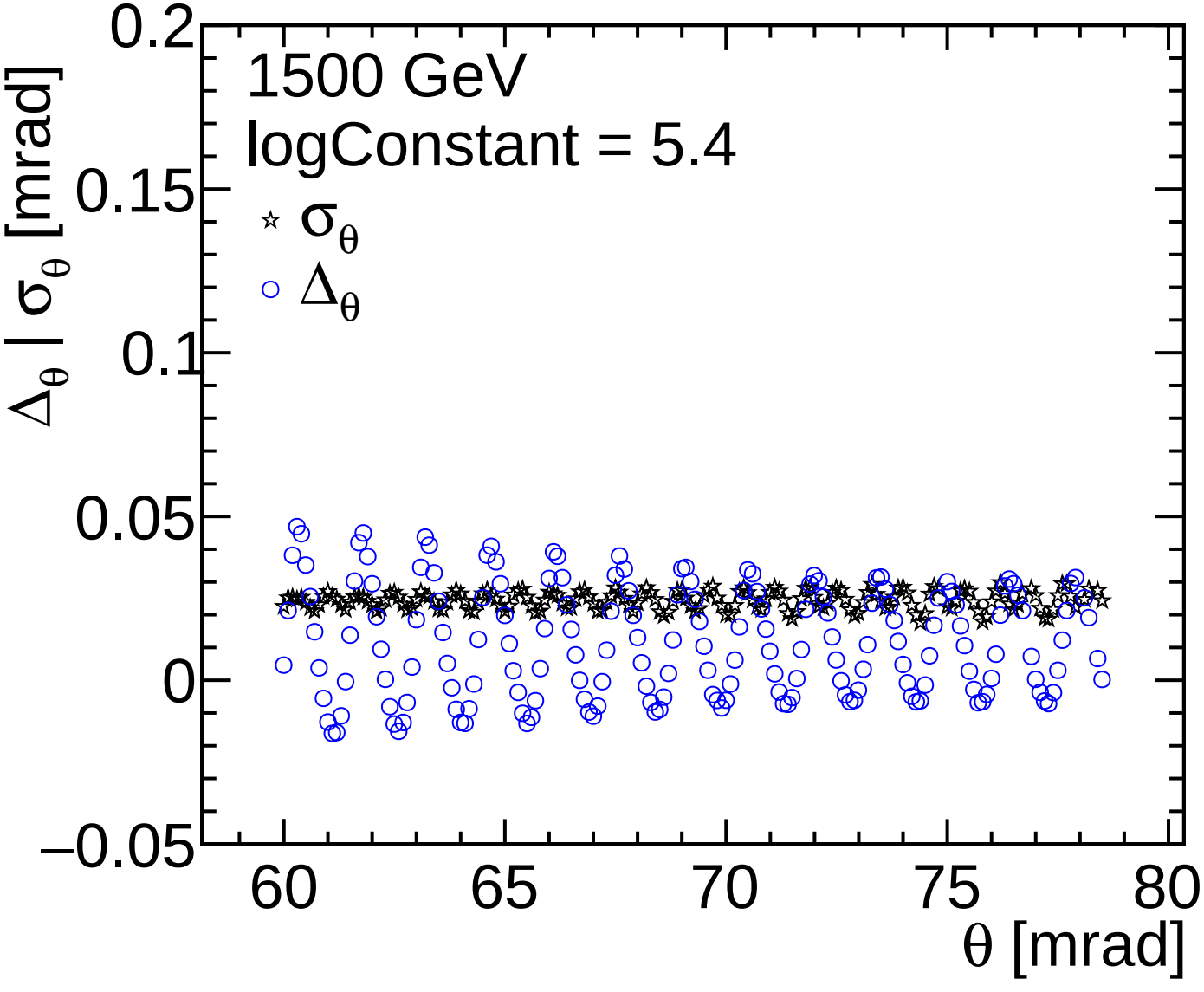

1500 GeV
logConstant = 4.9
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80


1500 GeV
logConstant = 5.0
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80


1500 GeV
logConstant = 5.1
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80


1500 GeV
logConstant = 5.2
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80


1500 GeV
logConstant = 5.3
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80


1500 GeV
logConstant = 5.4
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
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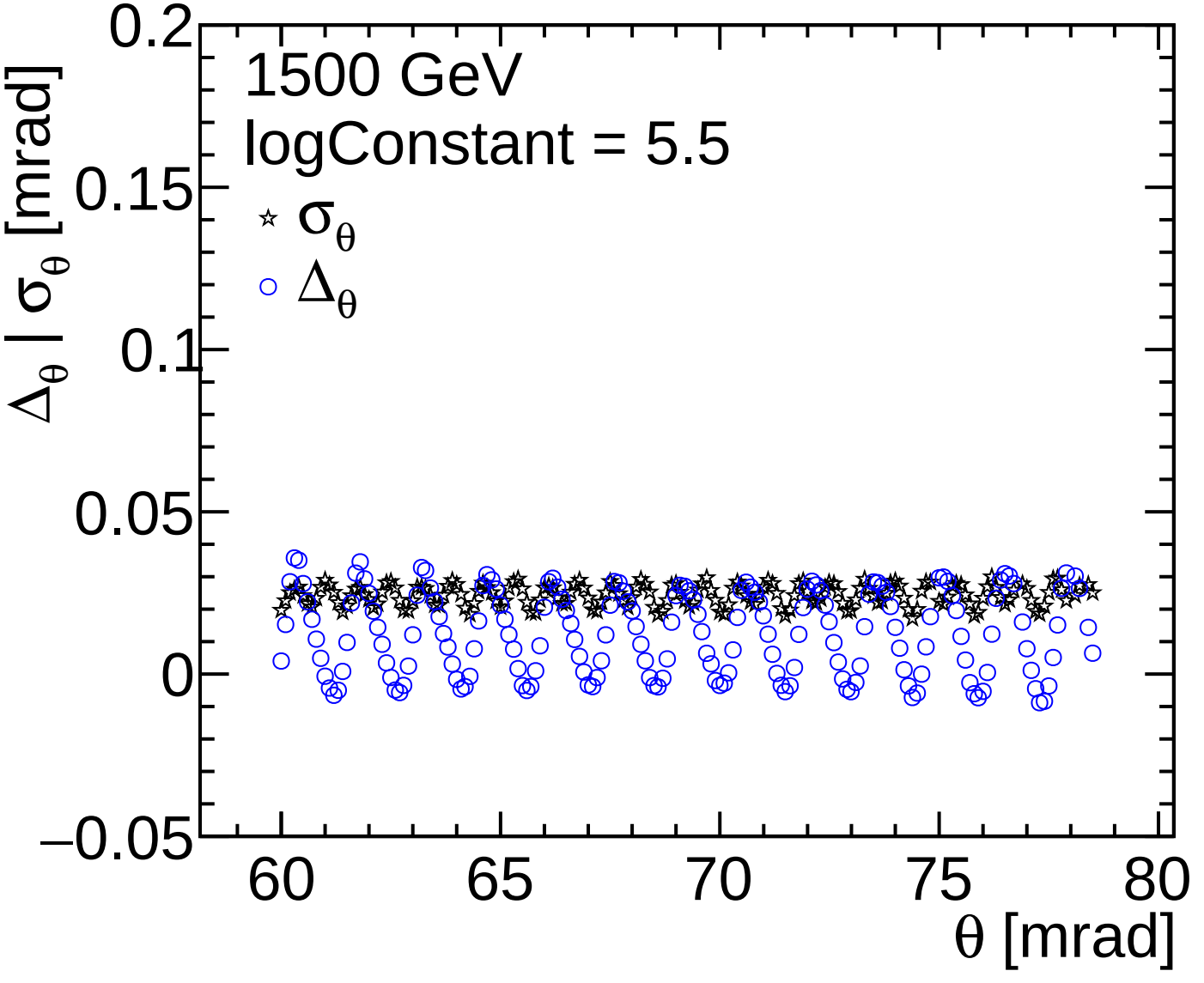
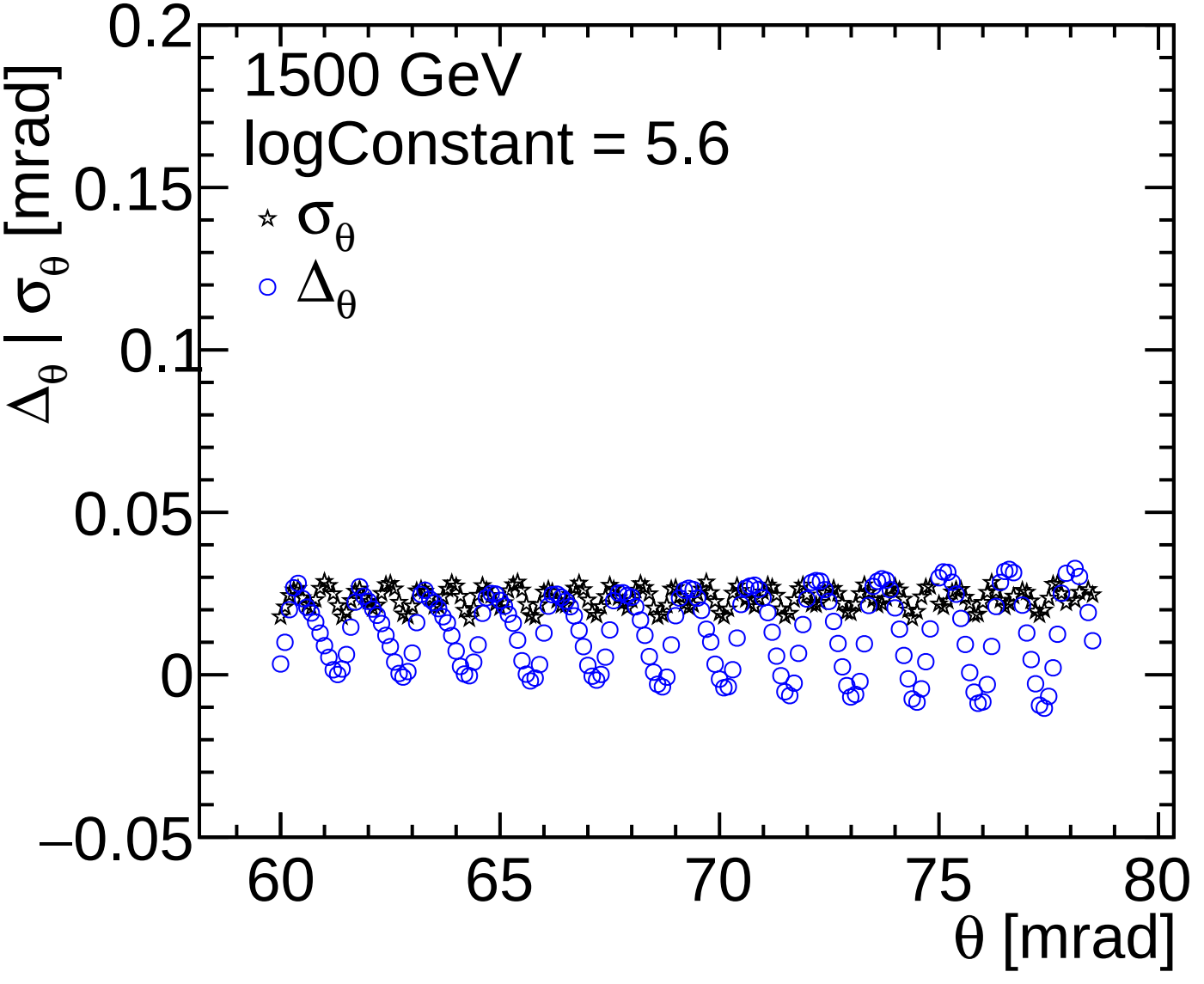
75
80


1500 GeV
logConstant = 5.5
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80


1500 GeV
logConstant = 5.6
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
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65
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75
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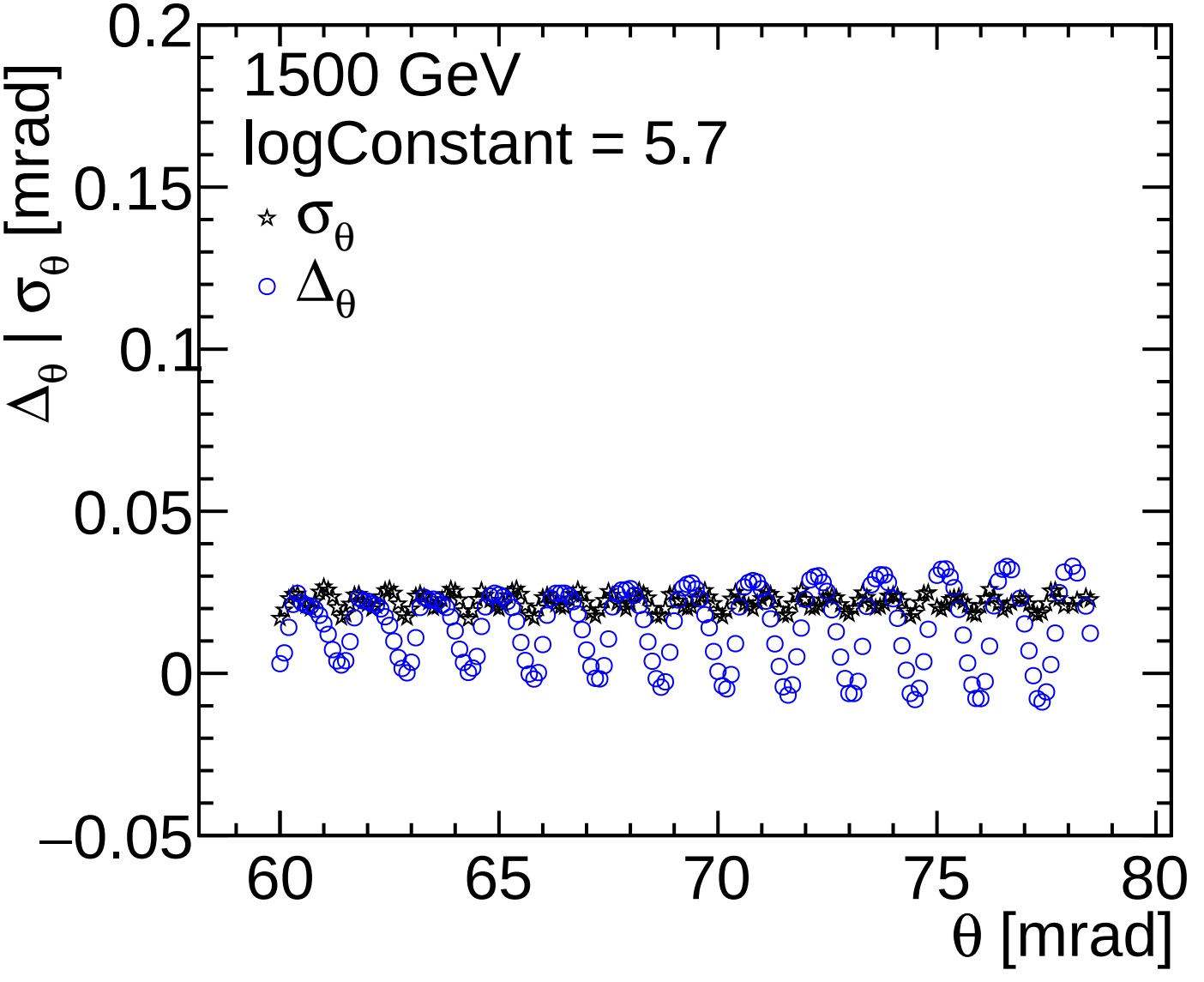
1500 GeV
logConstant = 5.7
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
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65
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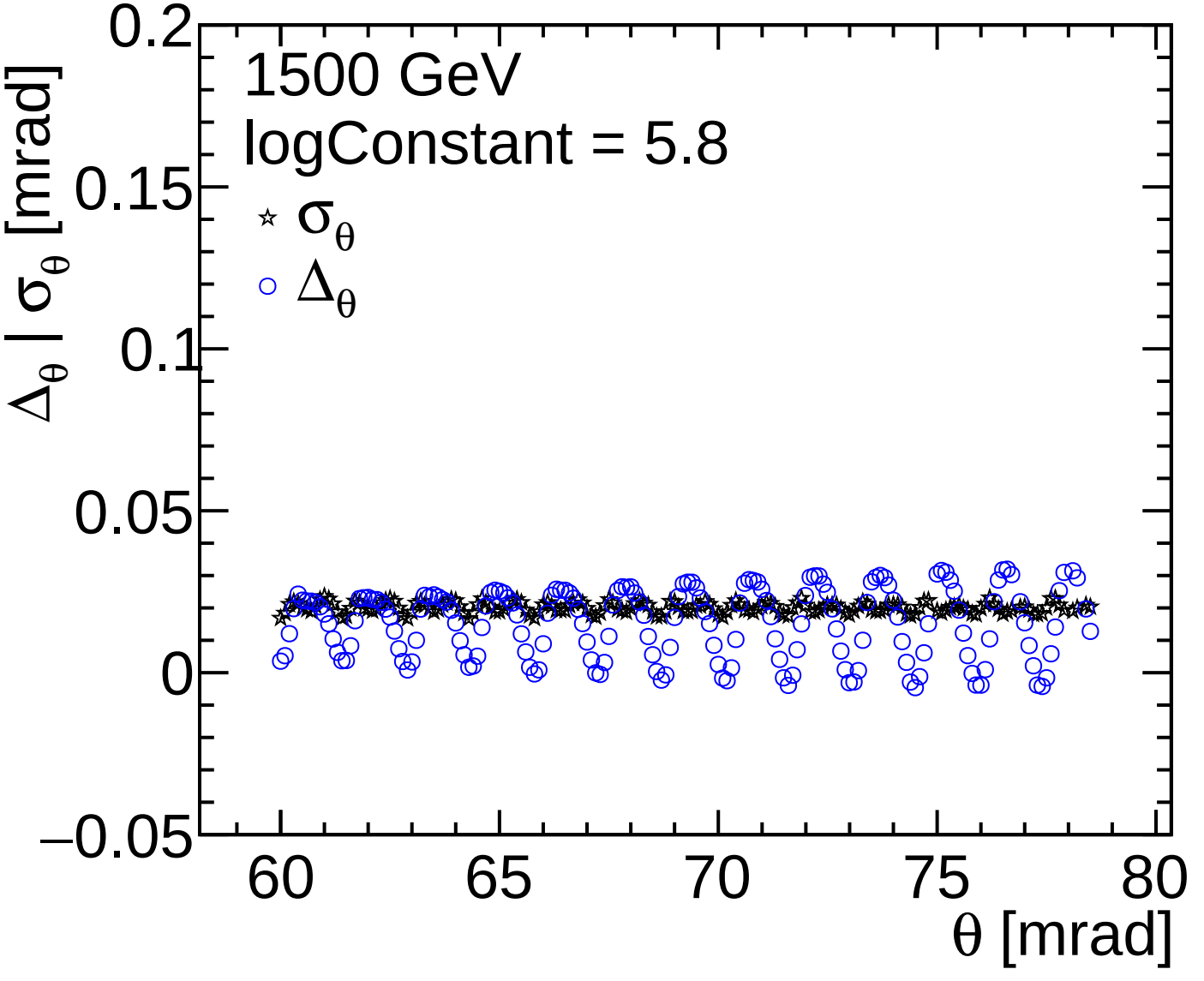
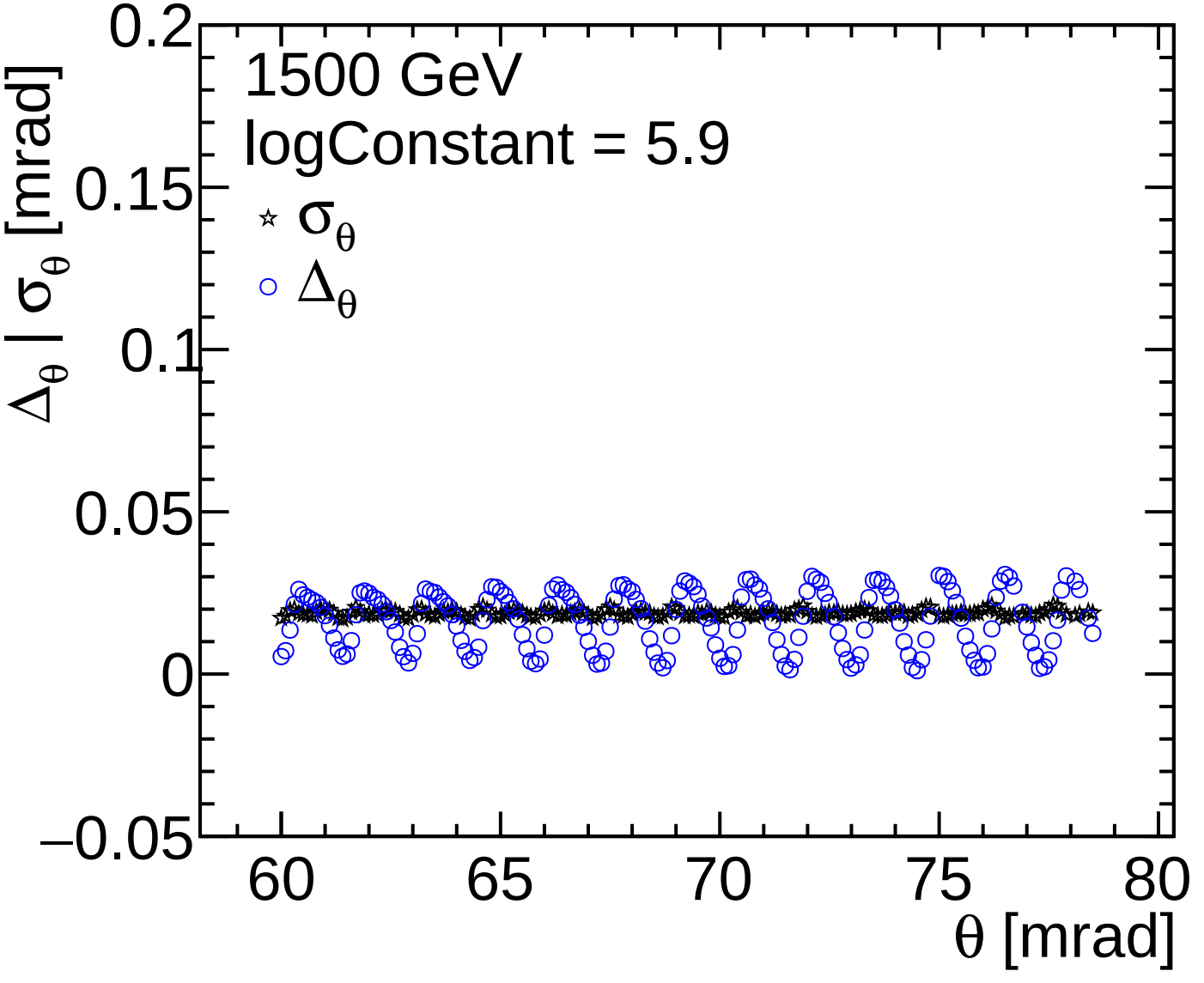
75
80


1500 GeV
logConstant = 5.8
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80


1500 GeV
logConstant = 5.9
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
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65
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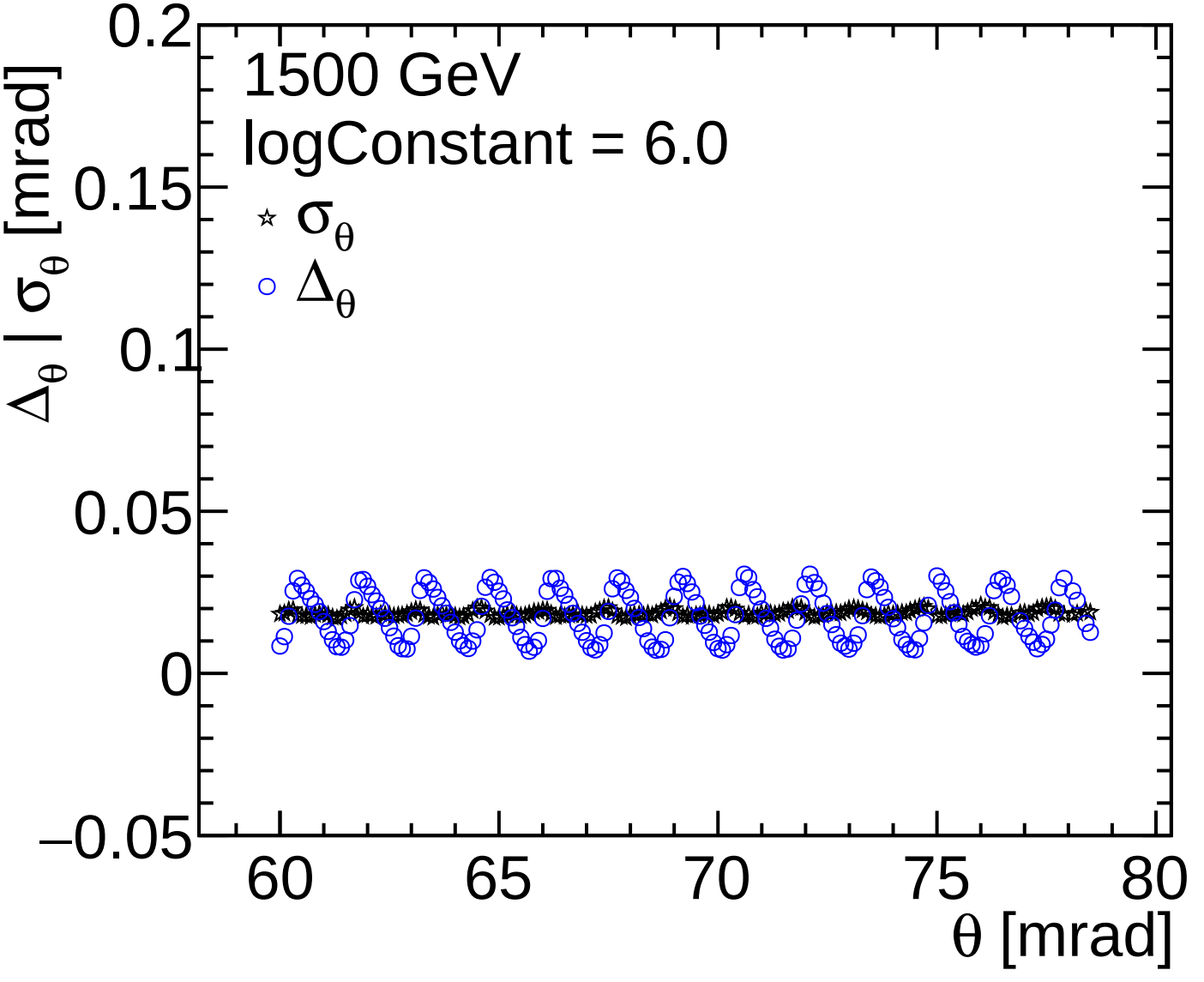
75
80


1500 GeV
logConstant = 6.0
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
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75
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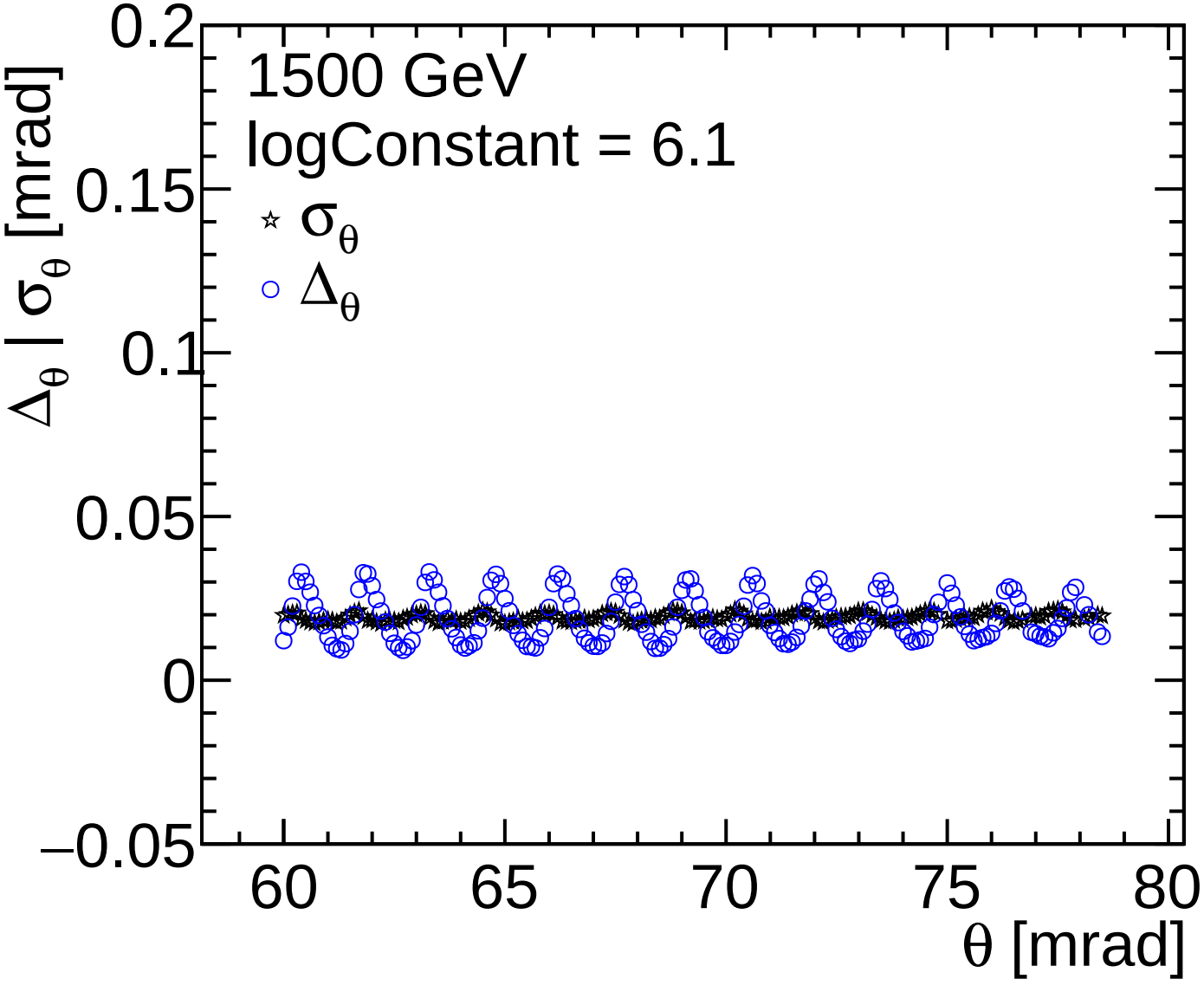
1500 GeV
logConstant = 6.1
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
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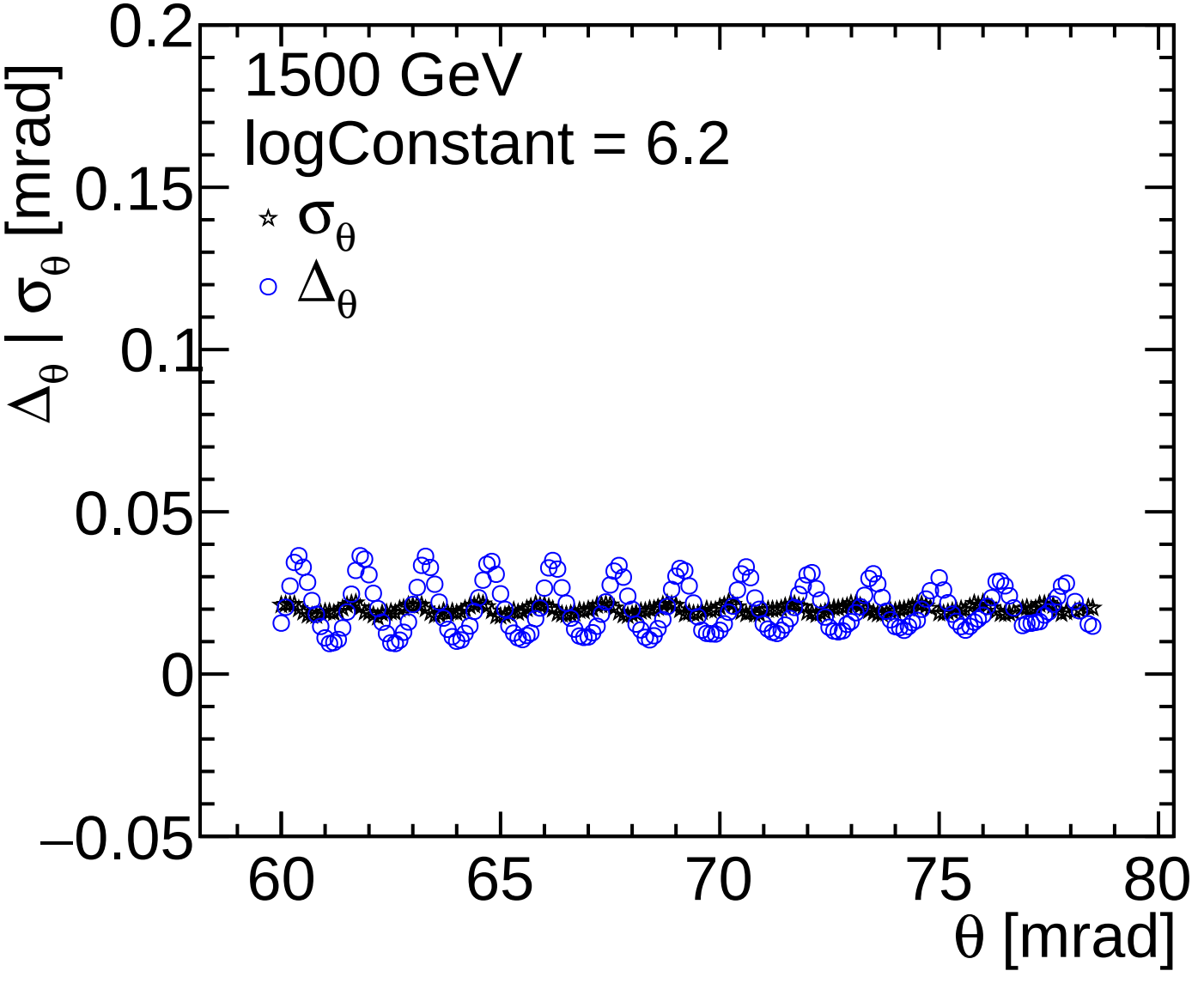
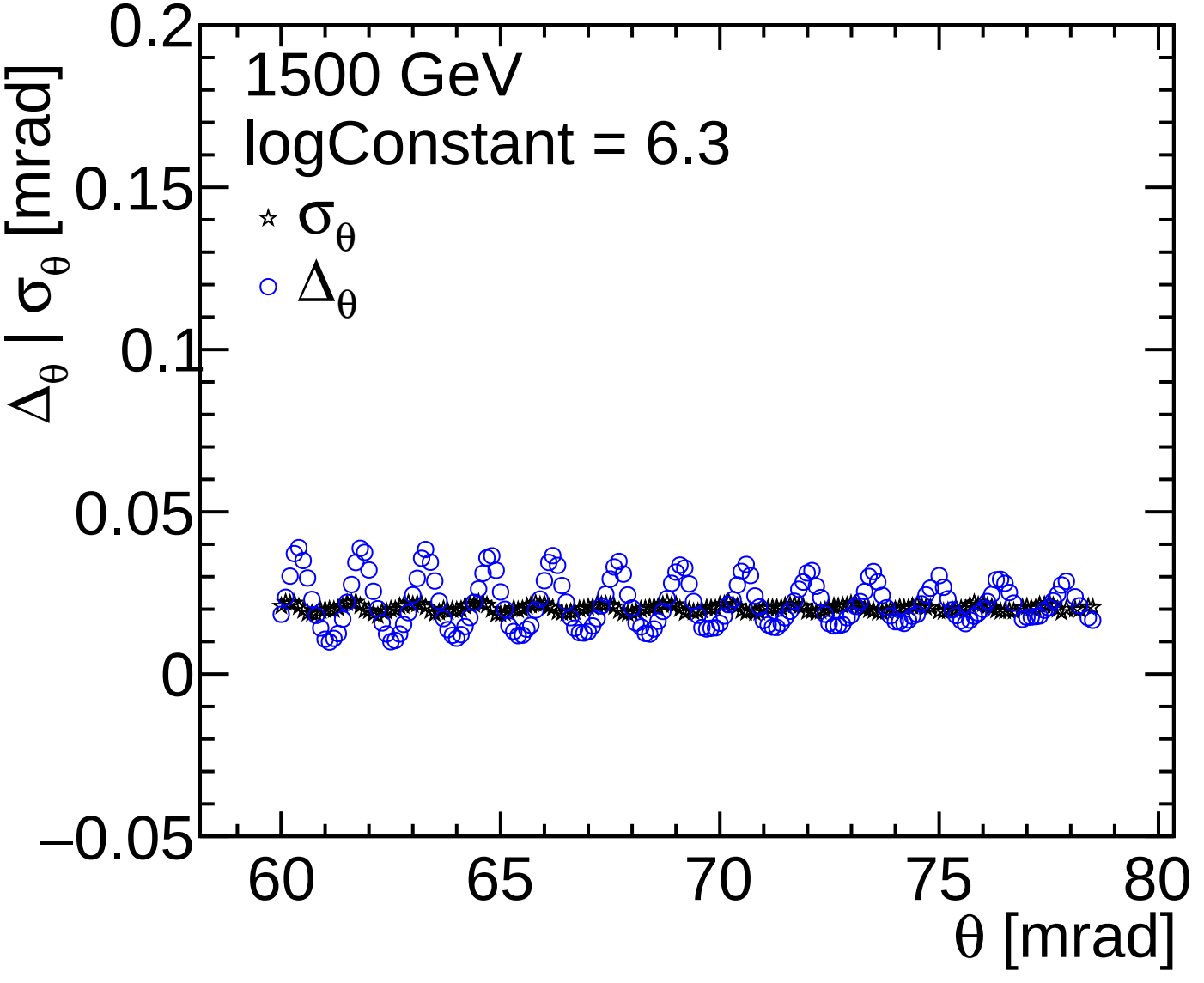
75
80


1500 GeV
logConstant = 6.2
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80


1500 GeV
logConstant = 6.3
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
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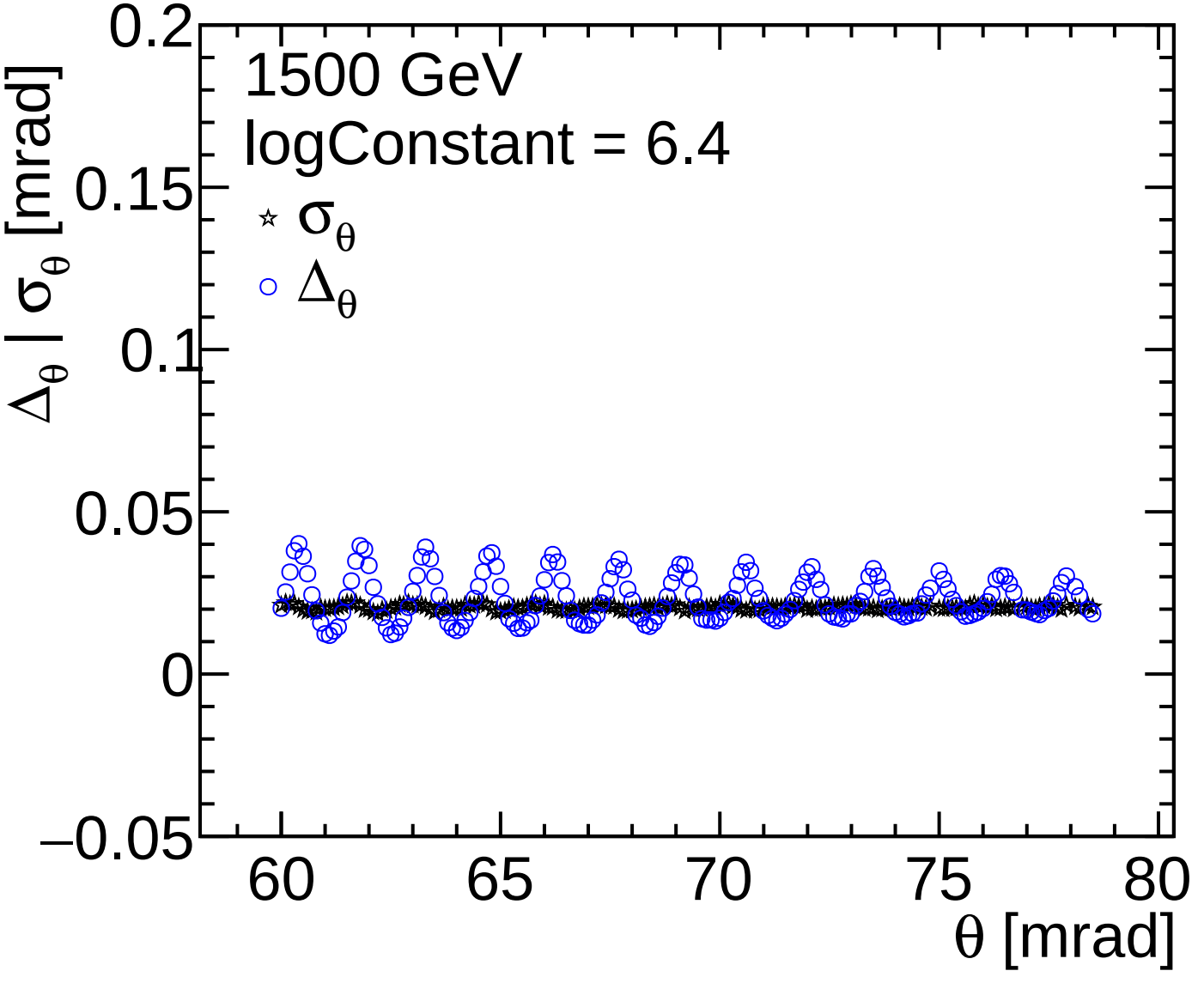
65
70
75
80


1500 GeV
logConstant = 6.4
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
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0.15
0.1
0.05
0
−0.05
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65
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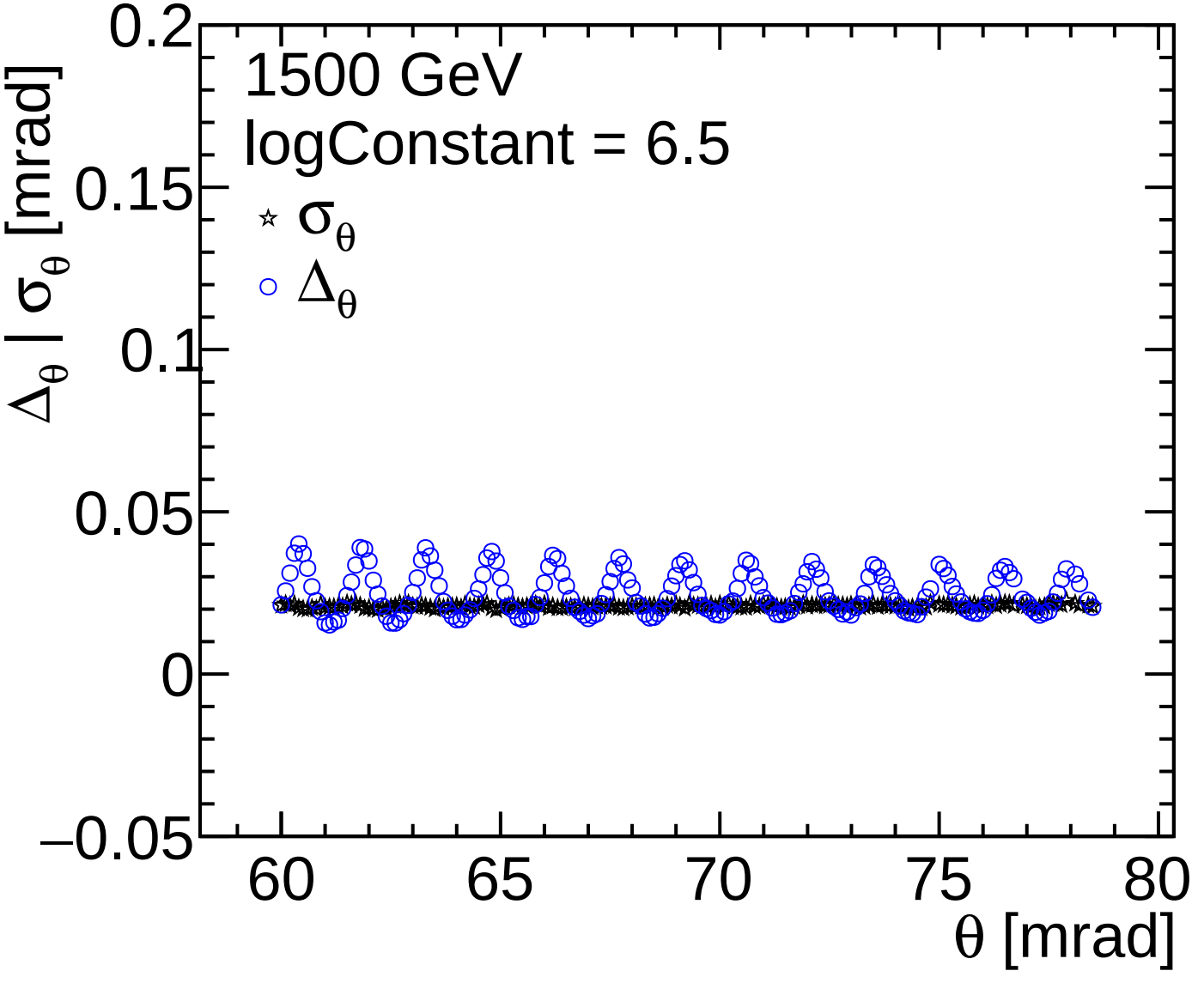
75
80


1500 GeV
logConstant = 6.5
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
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65
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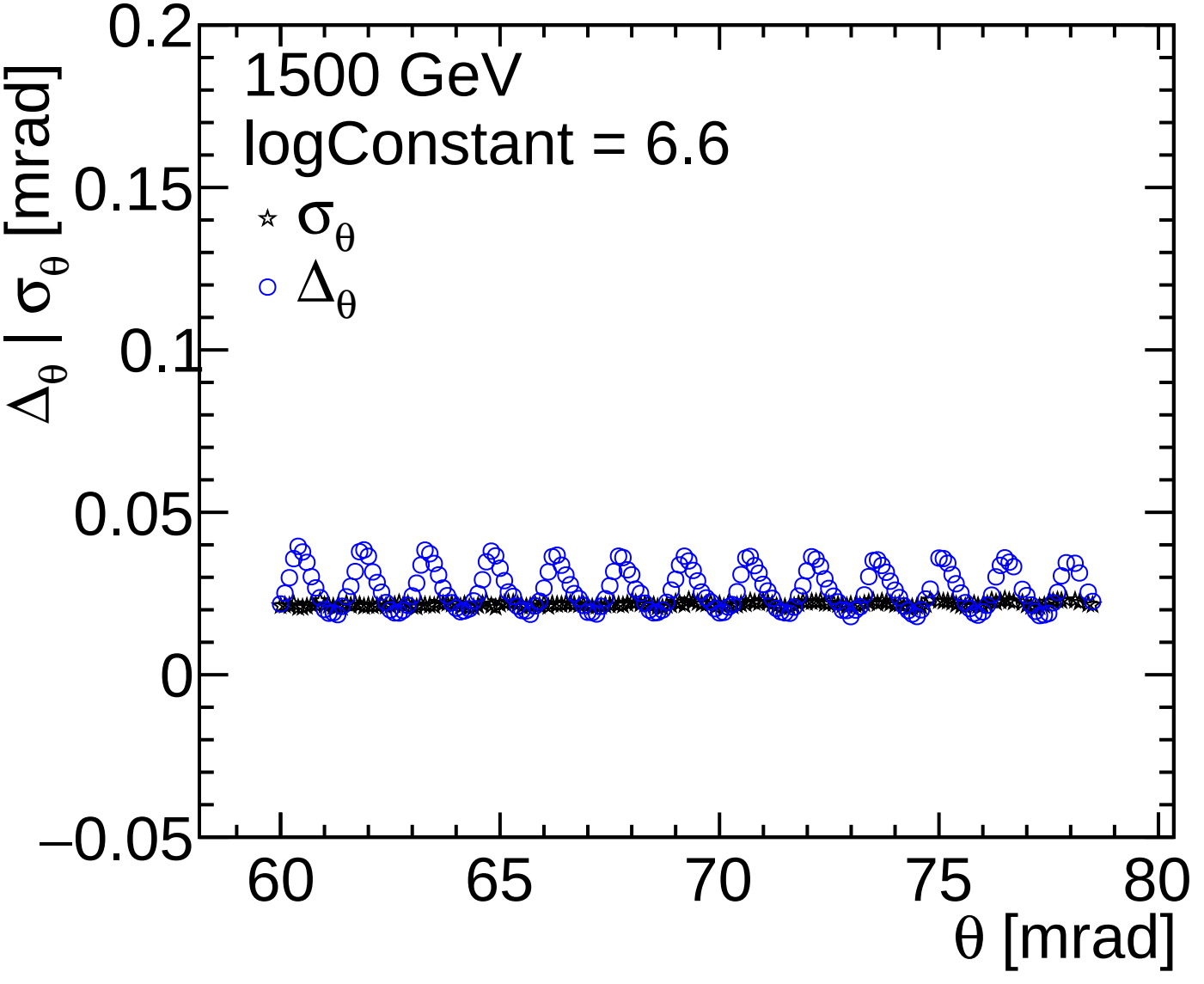
75
80


1500 GeV
logConstant = 6.6
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
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0.15
0.1
0.05
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–0.05
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75
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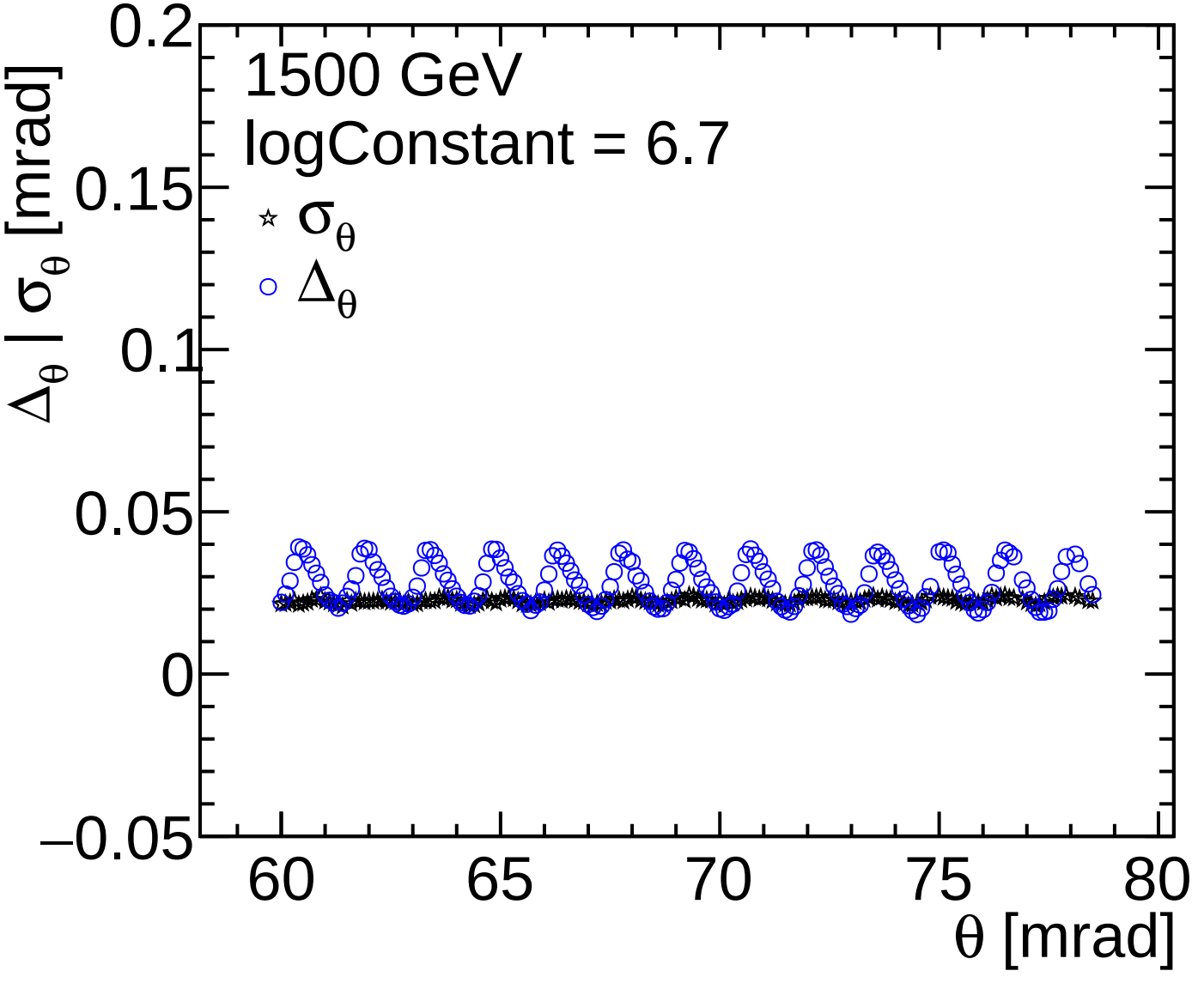
1500 GeV
logConstant = 6.7
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
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75
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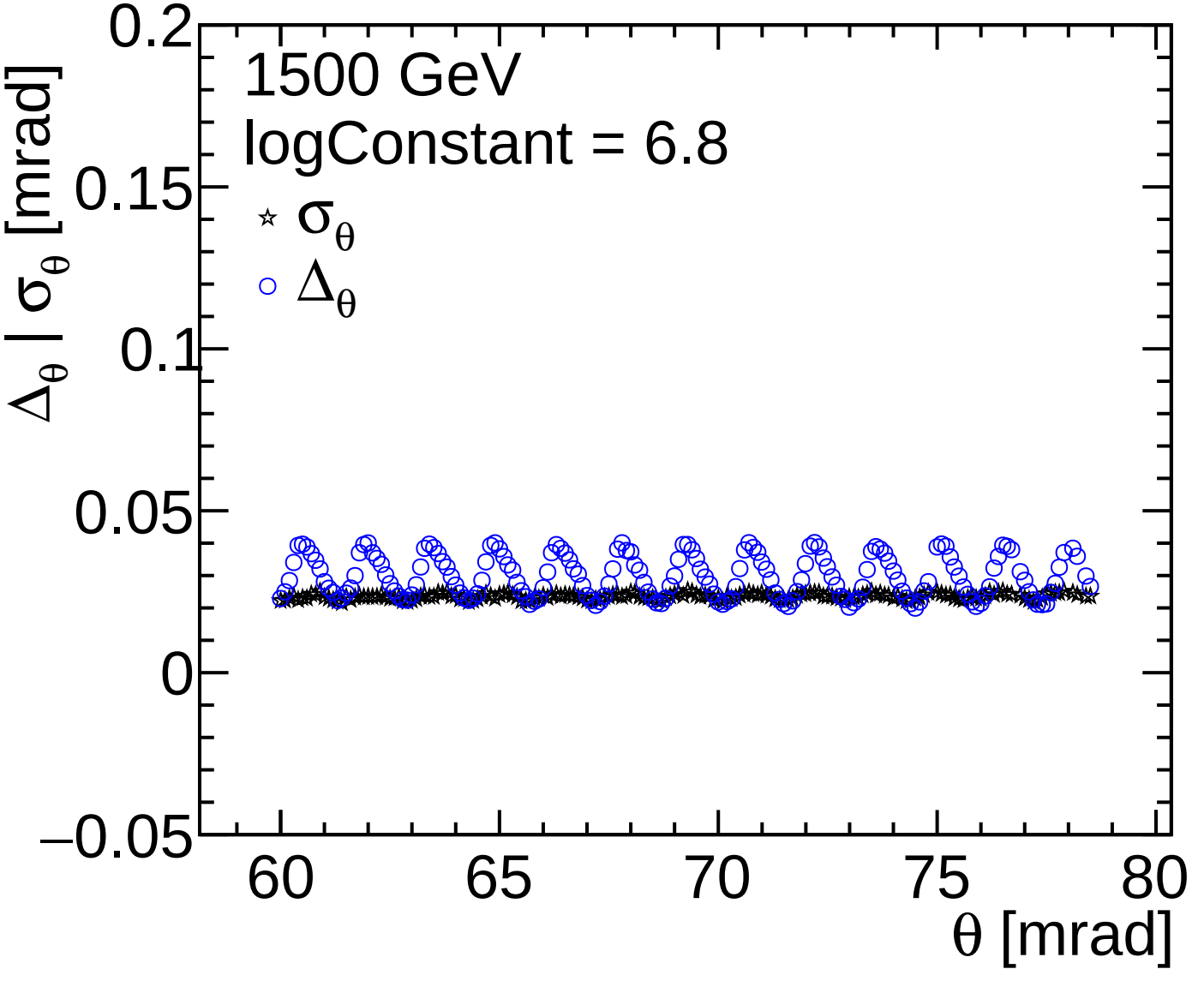
1500 GeV
logConstant = 6.8
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
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75
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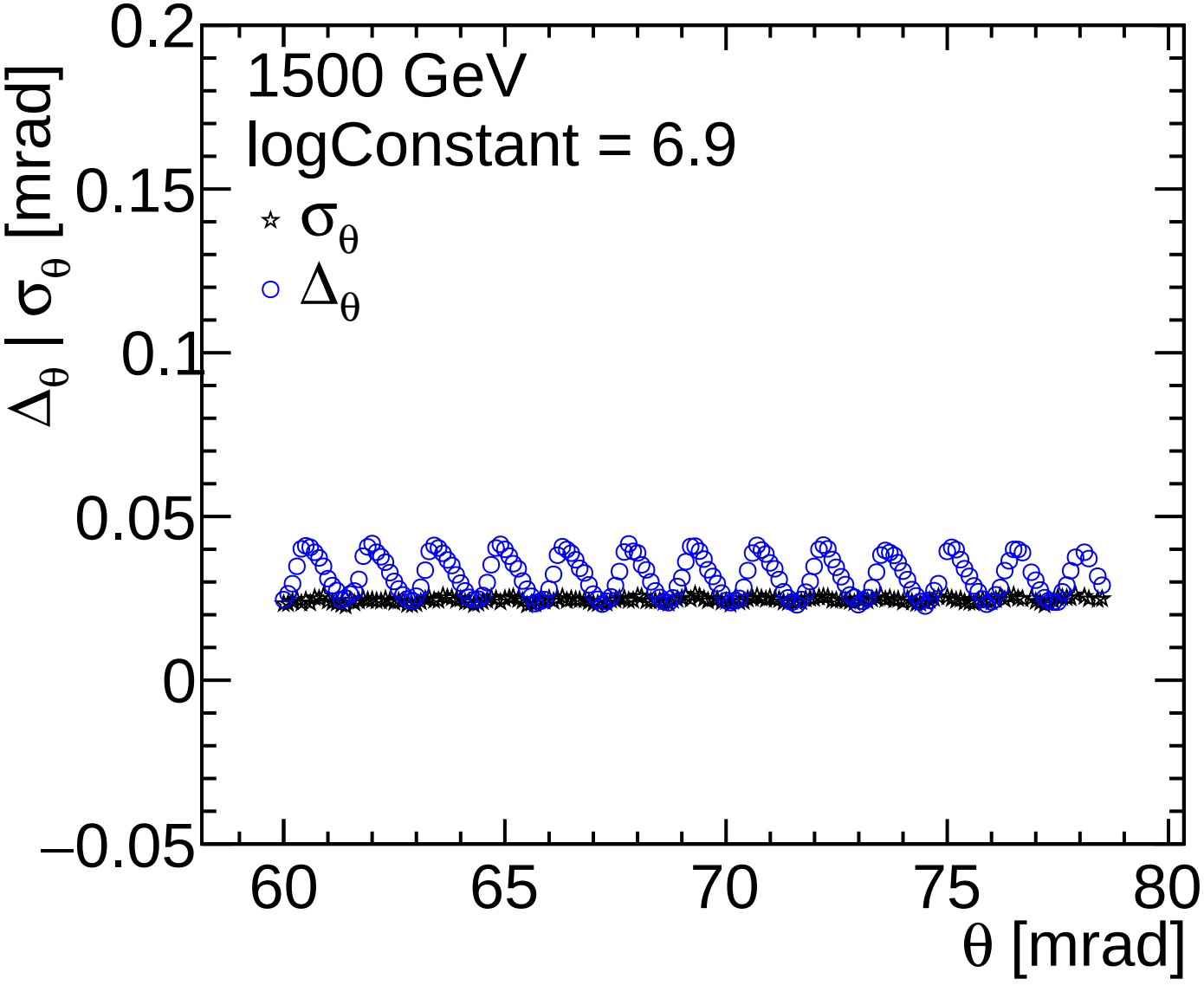
1500 GeV
logConstant = 6.9
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
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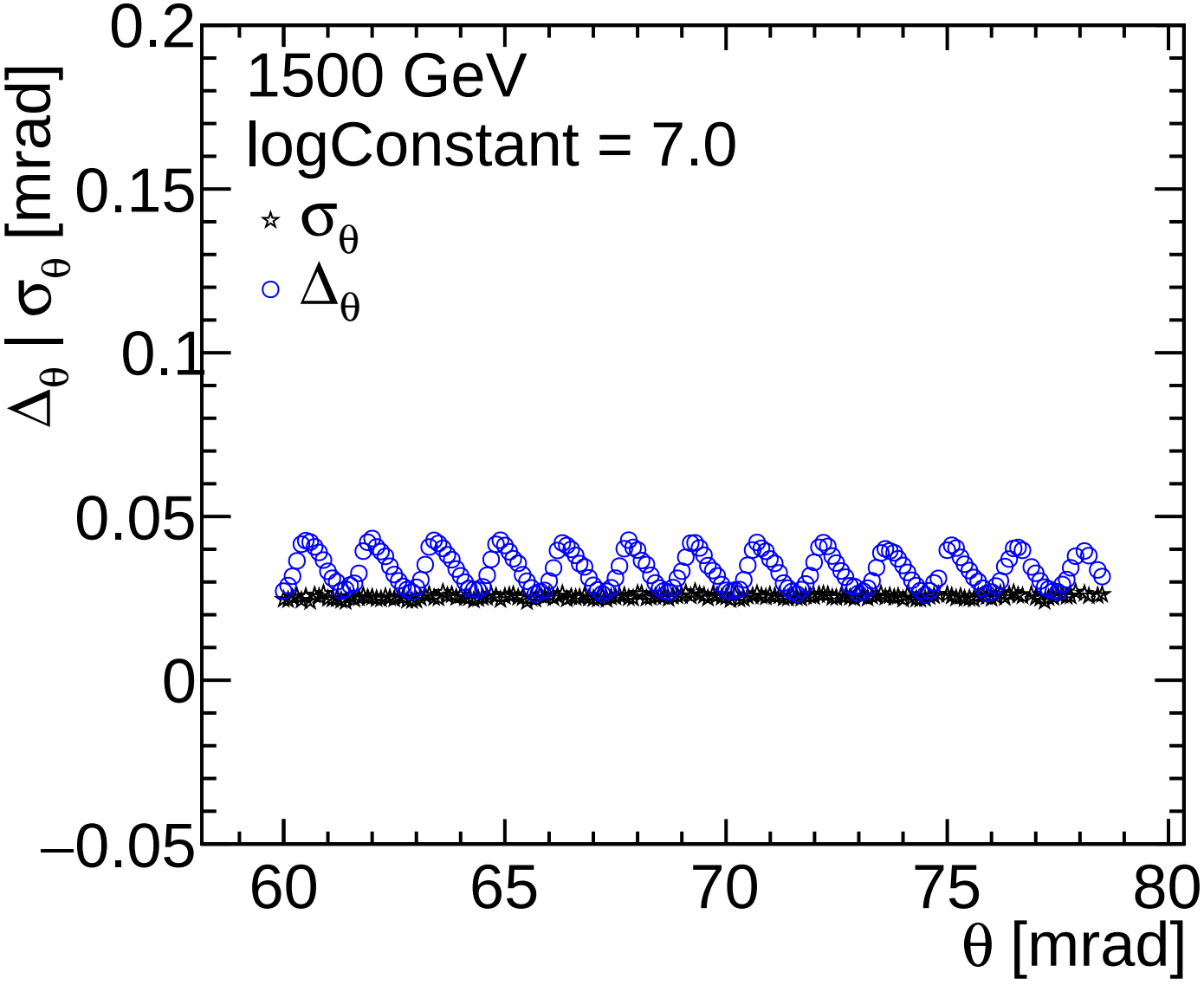
75
80


1500 GeV
logConstant = 7.0
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
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65
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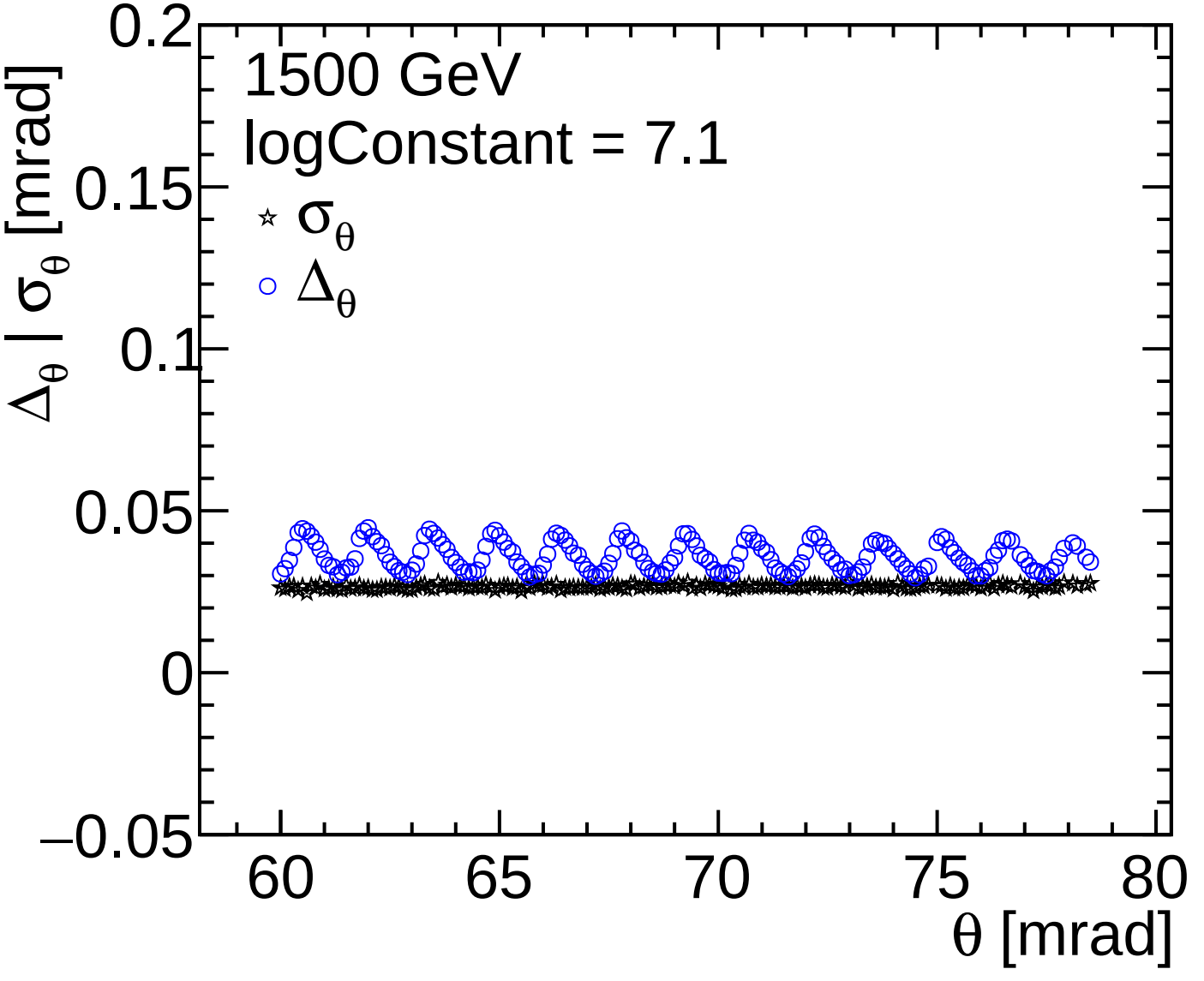
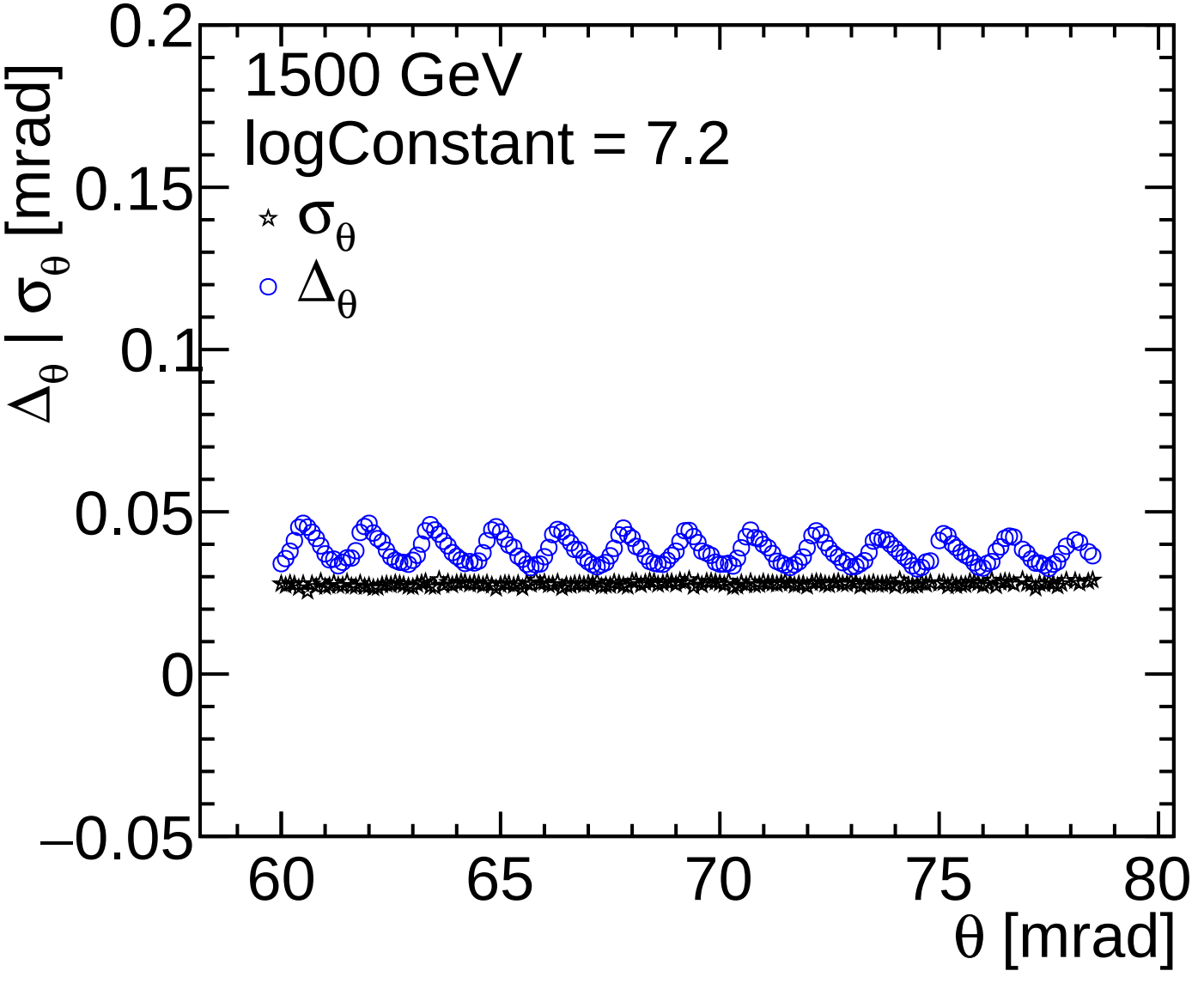
75
80


1500 GeV
logConstant = 7.1
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80


1500 GeV
logConstant = 7.2
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
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0.15
0.1
0.05
0
–0.05
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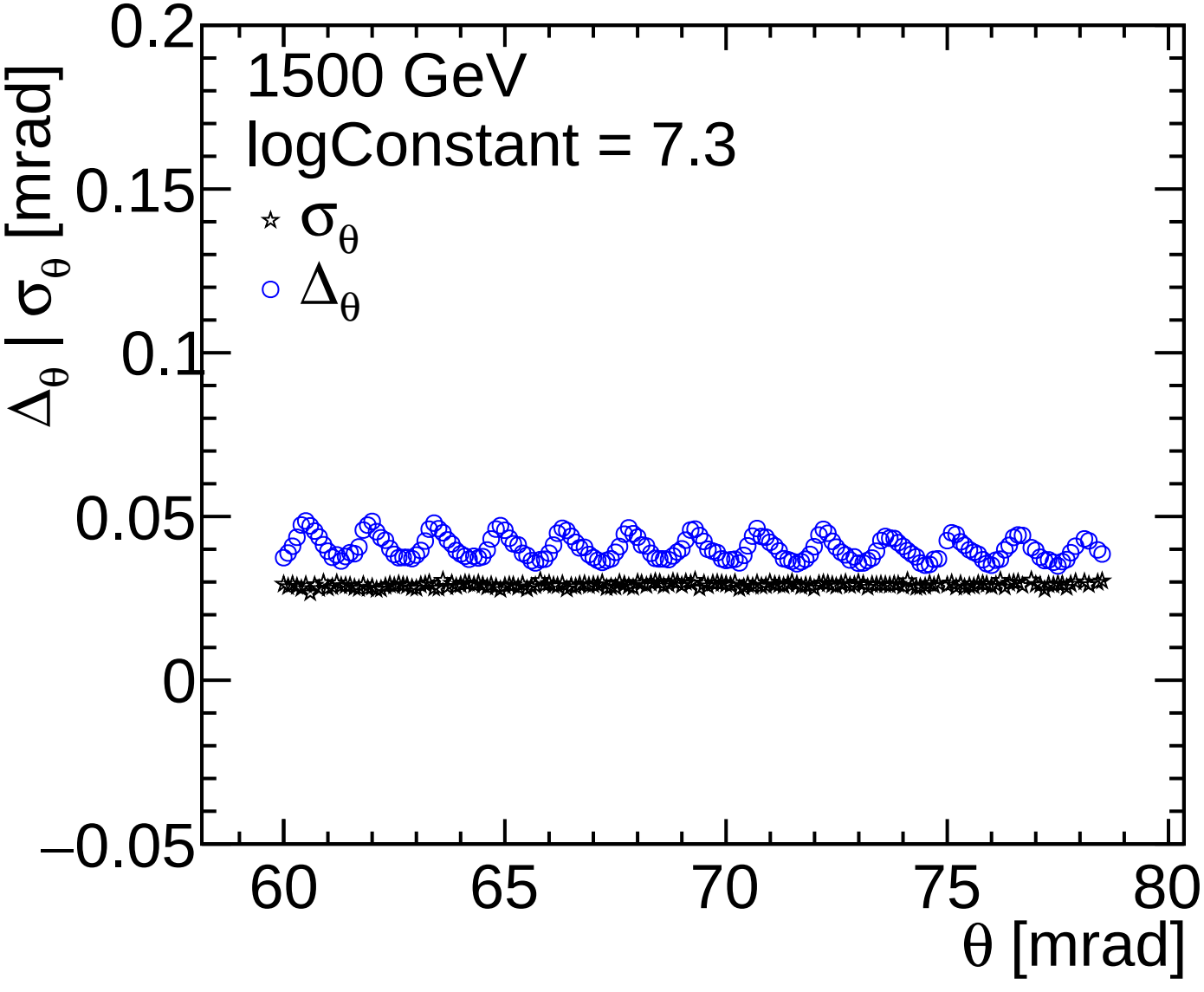
65
70
75
80


1500 GeV
logConstant = 7.3
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
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0.15
0.1
0.05
0
–0.05
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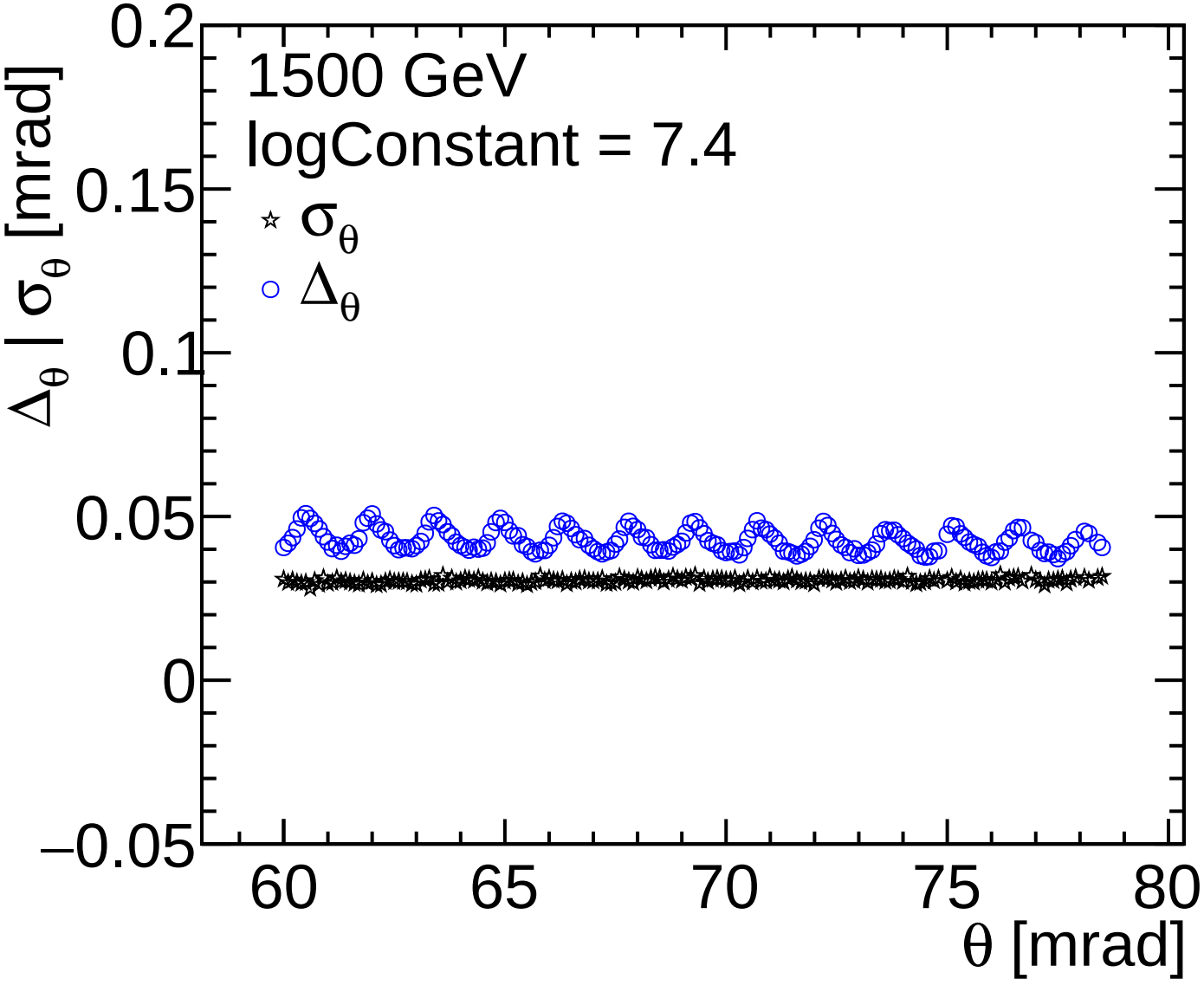
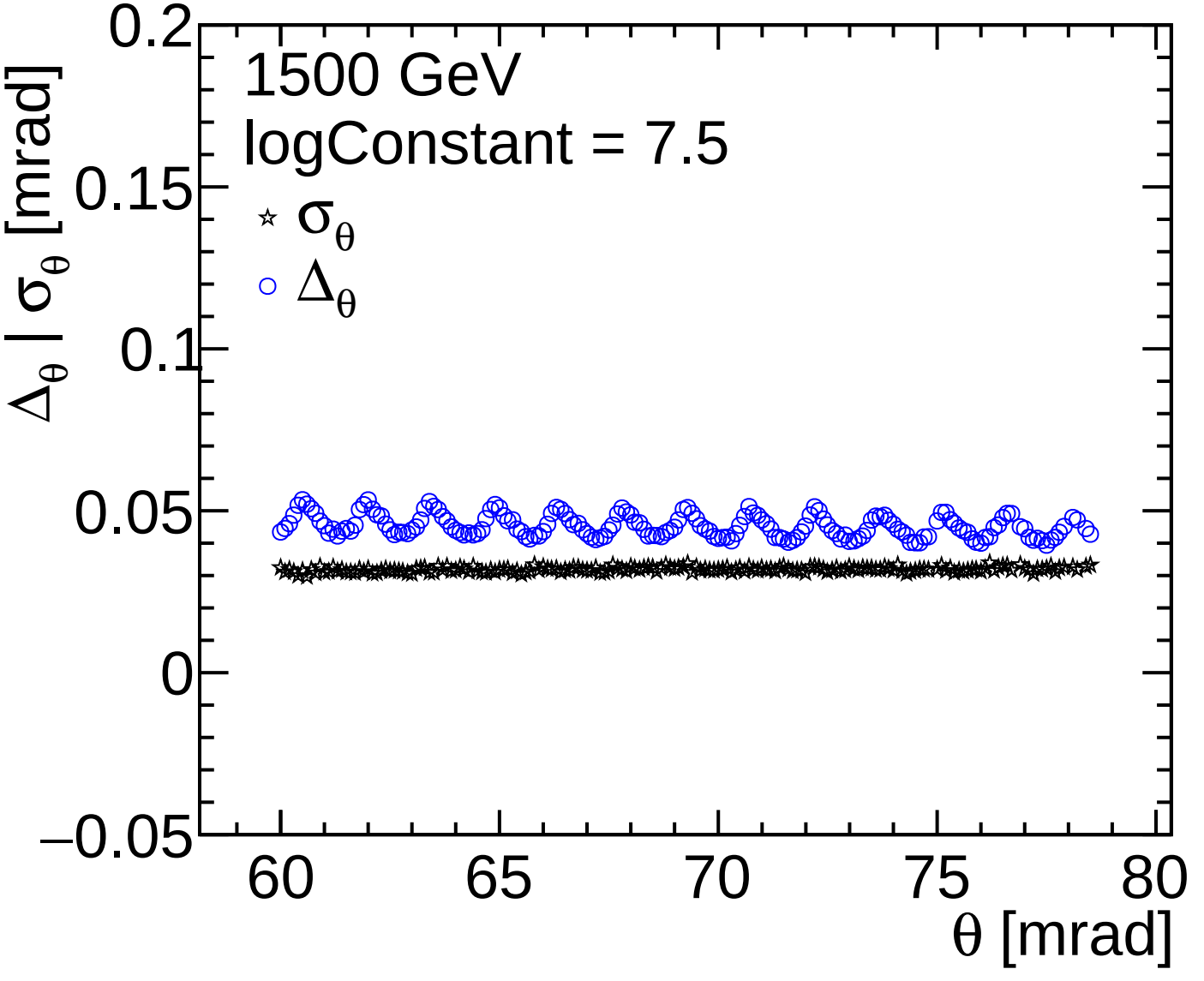
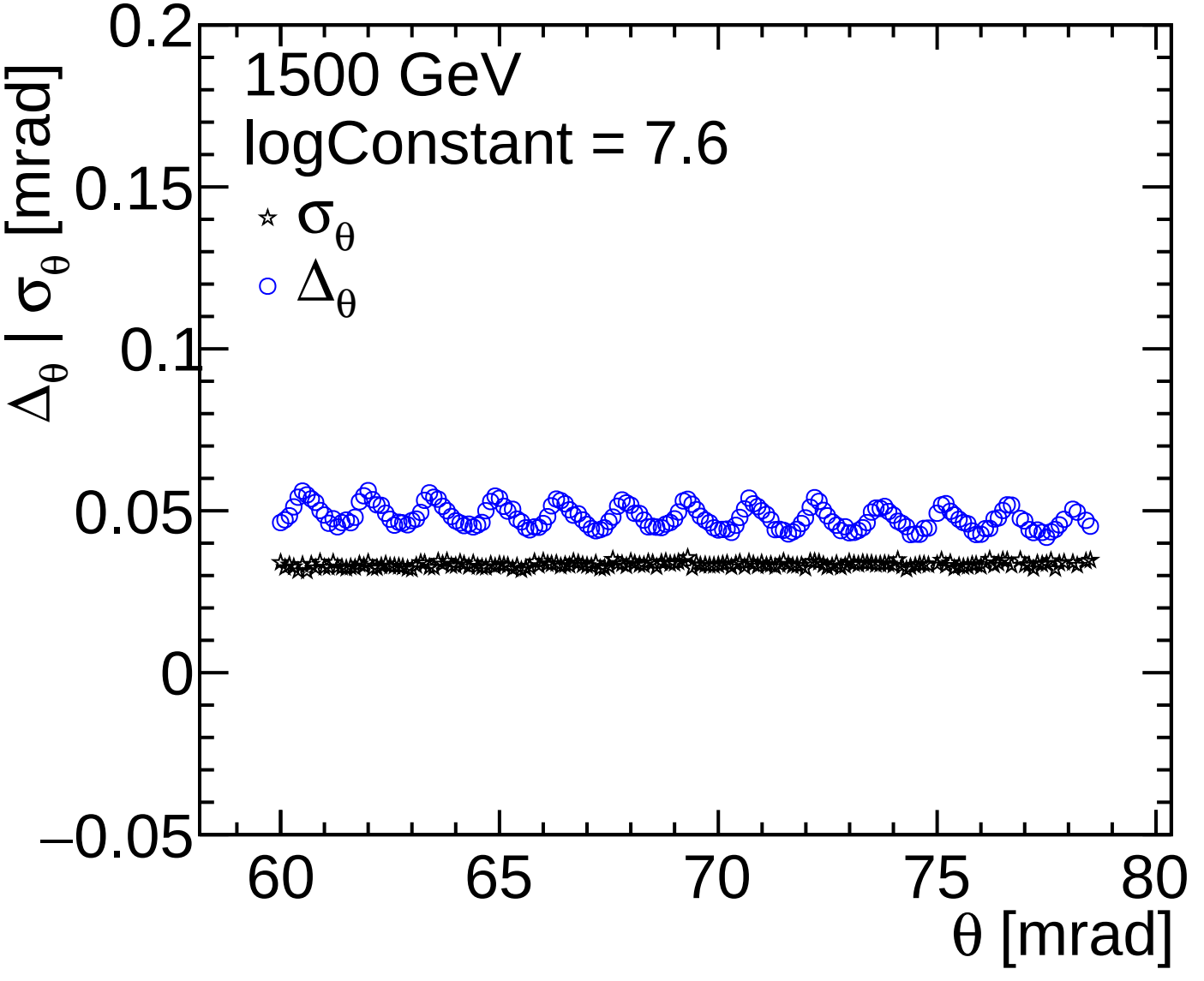
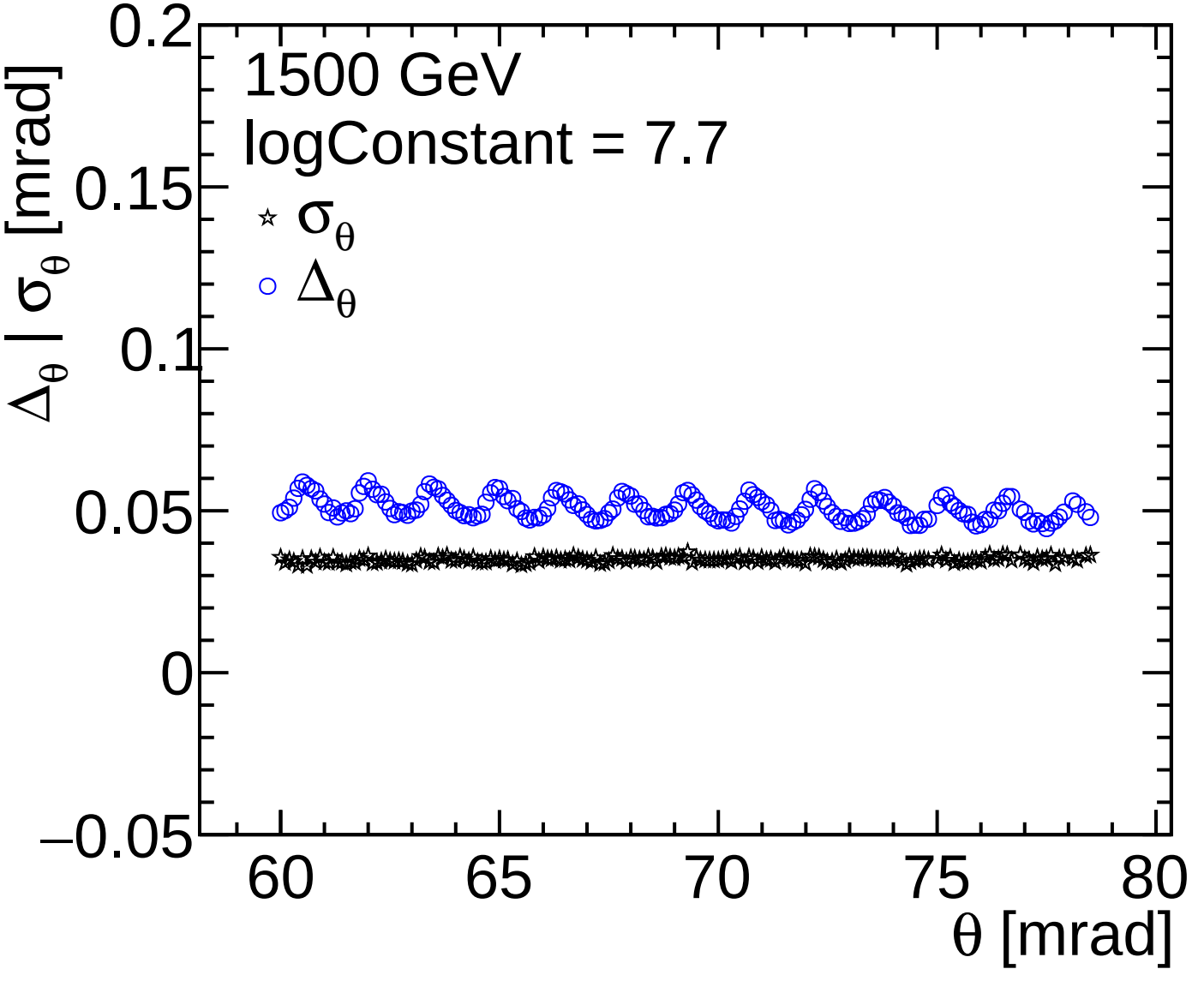
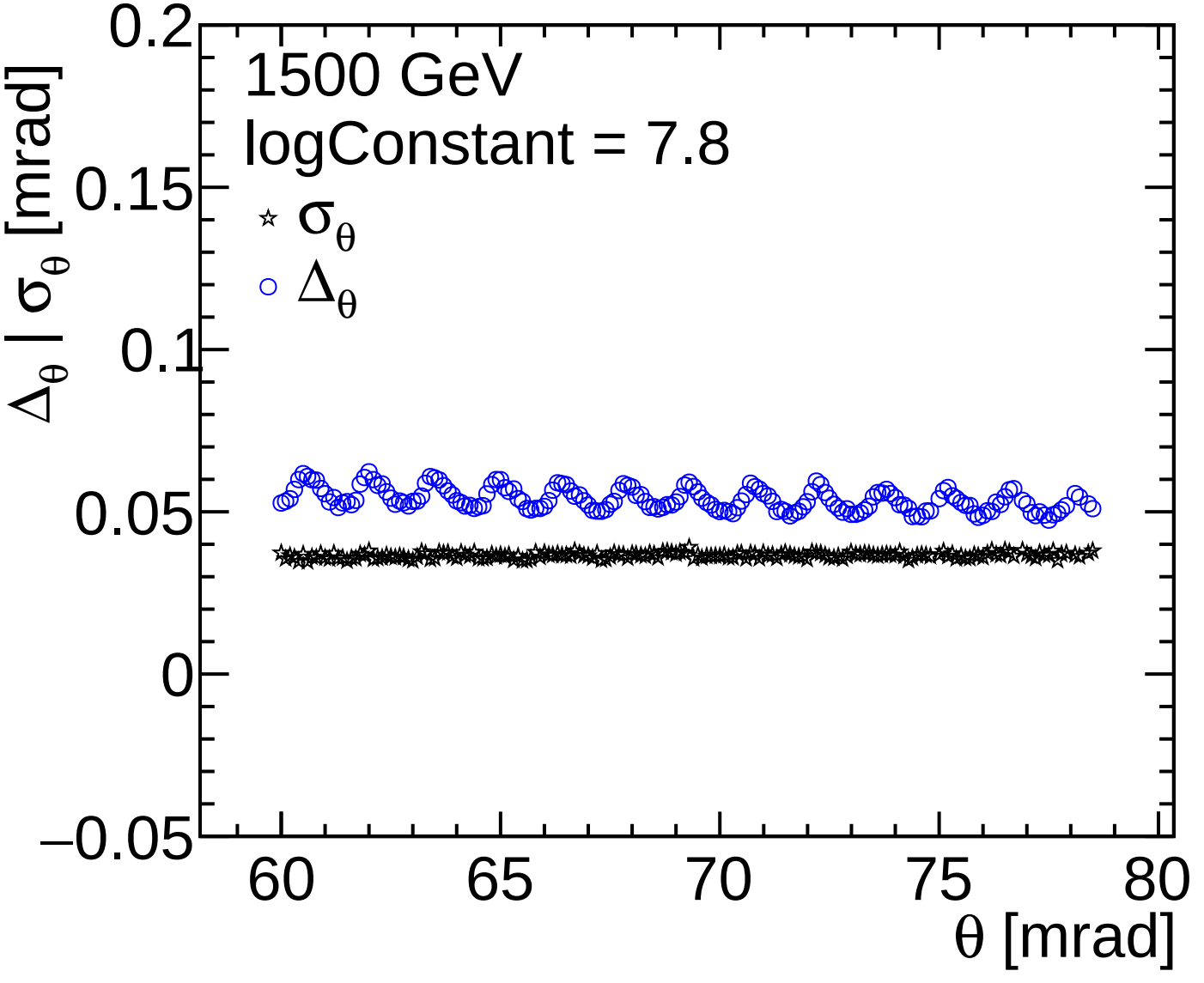
65
70
75
80

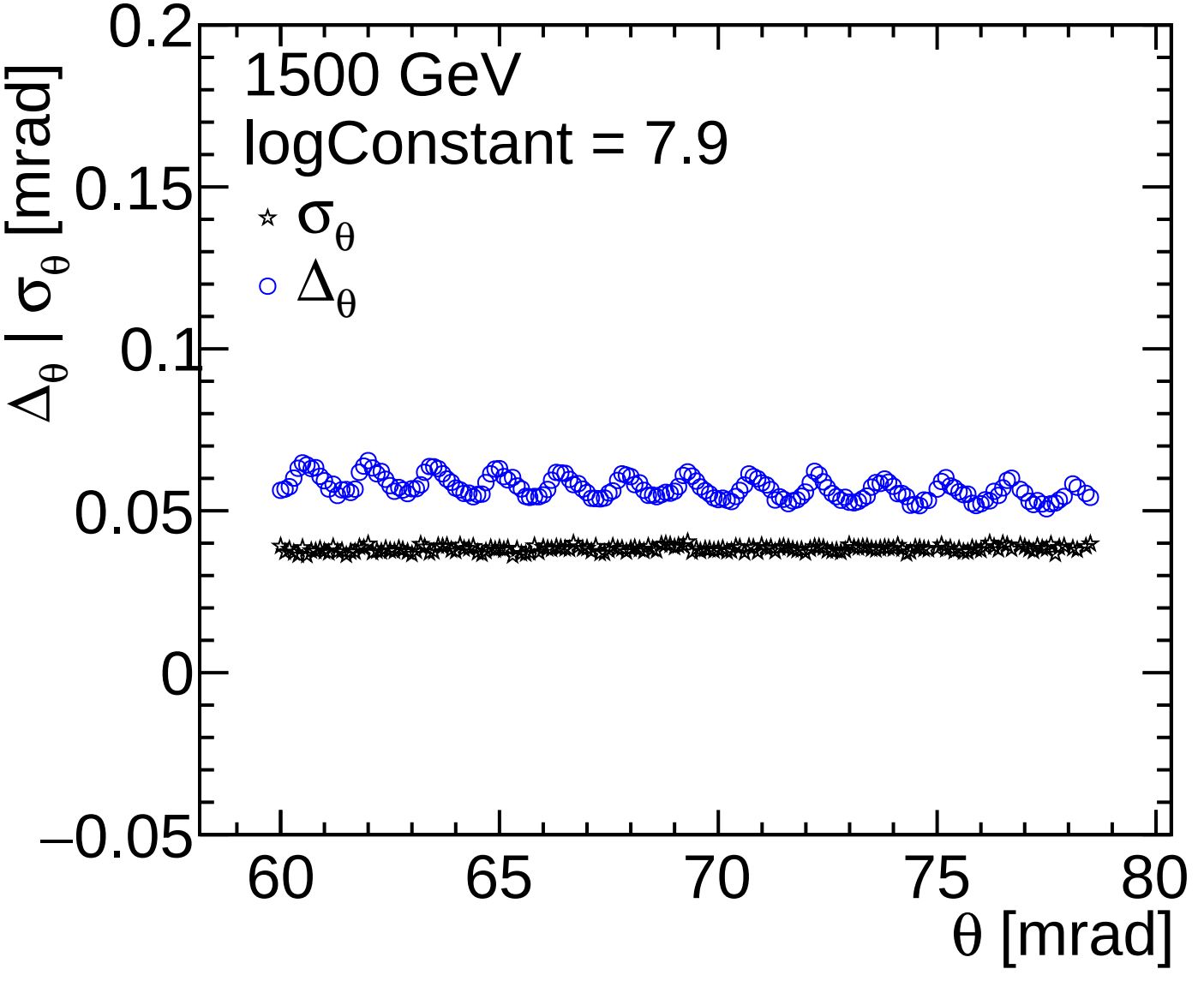

1500 GeV
logConstant = 7.4
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
–0.05
60
65
70
75
80

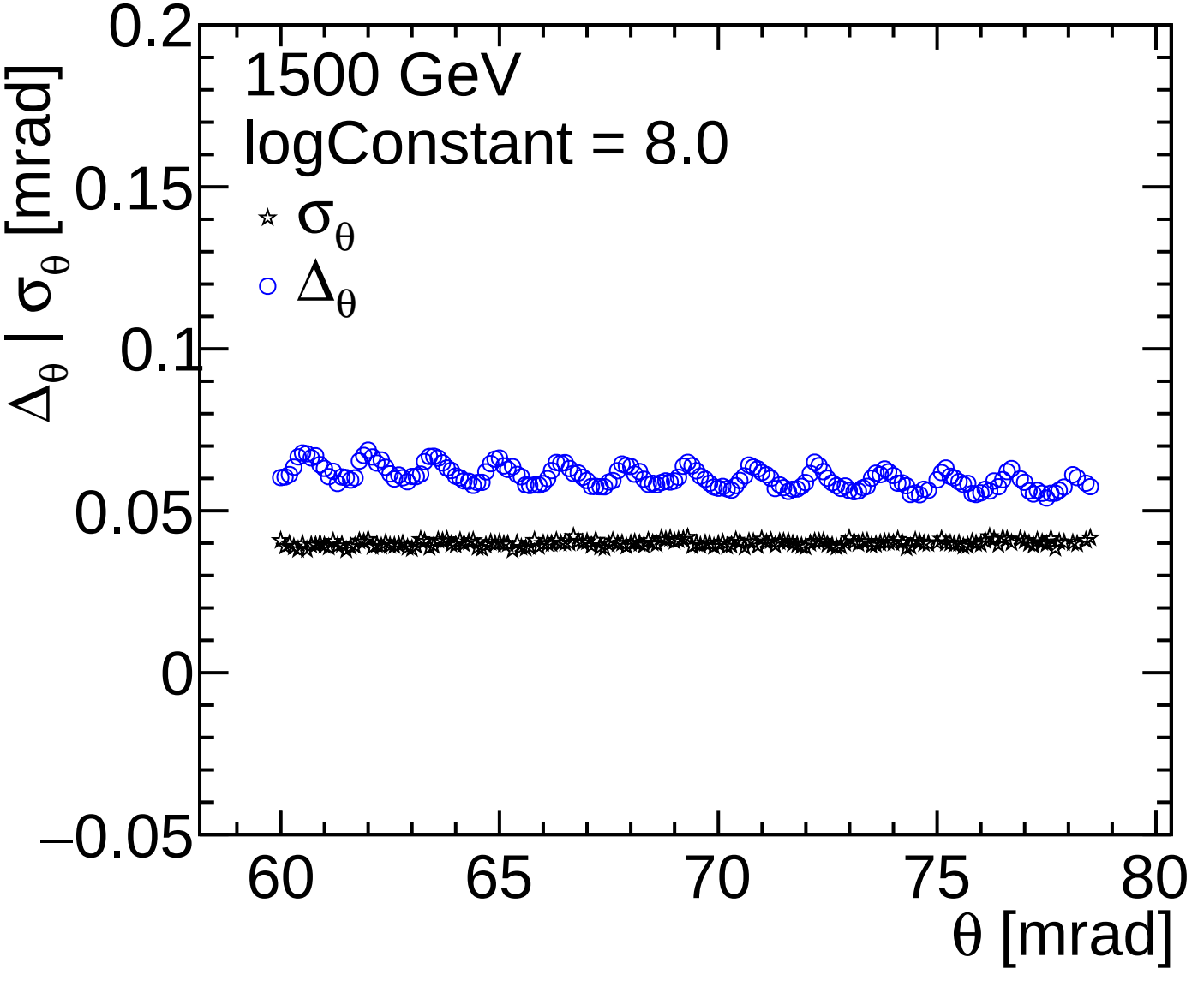

1500 GeV
logConstant = 7.5
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
–0.05
60
65
70
75
80

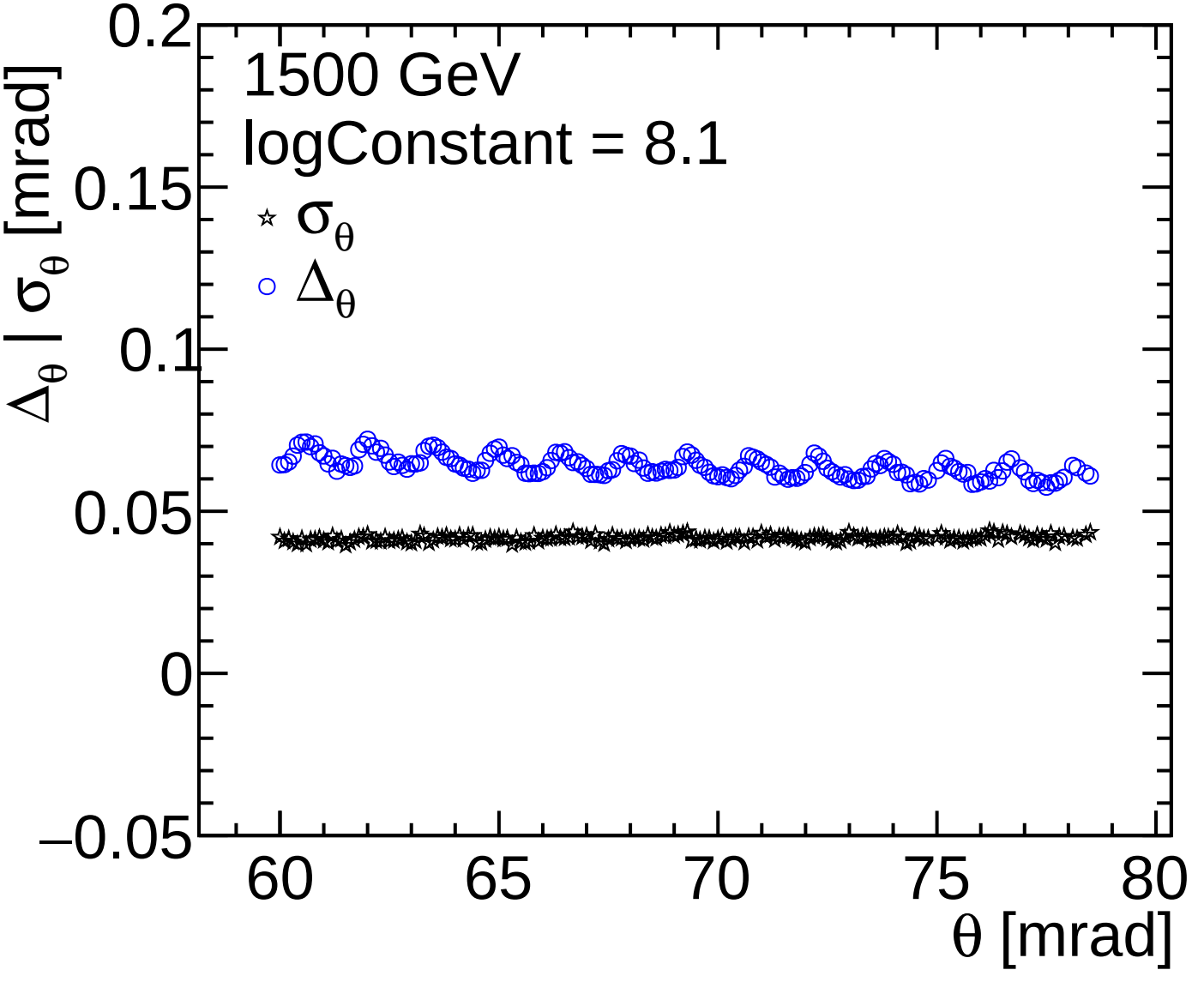

1500 GeV
logConstant = 7.6
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
–0.05
60
65
70
75
80

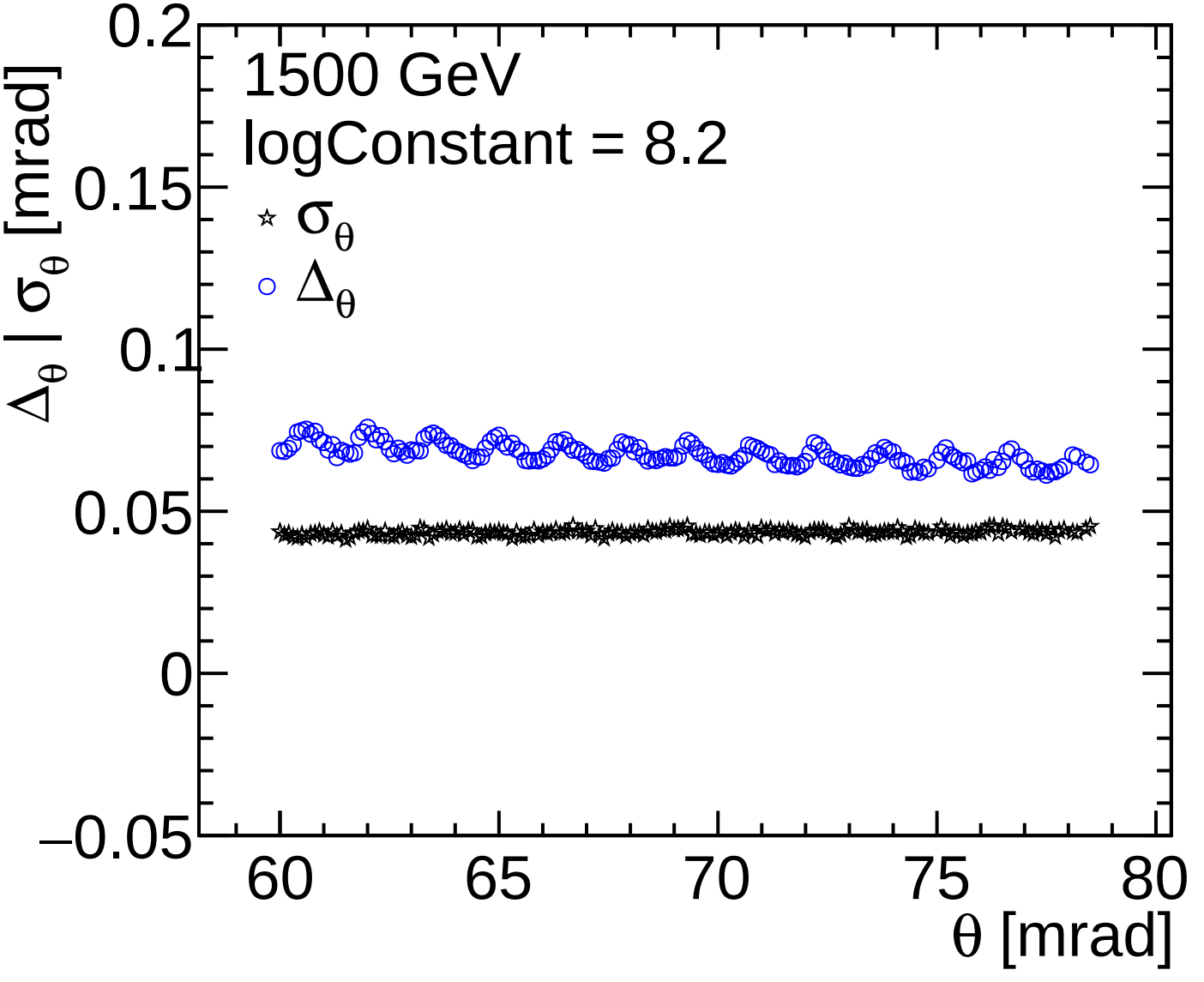

1500 GeV
logConstant = 7.7
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80

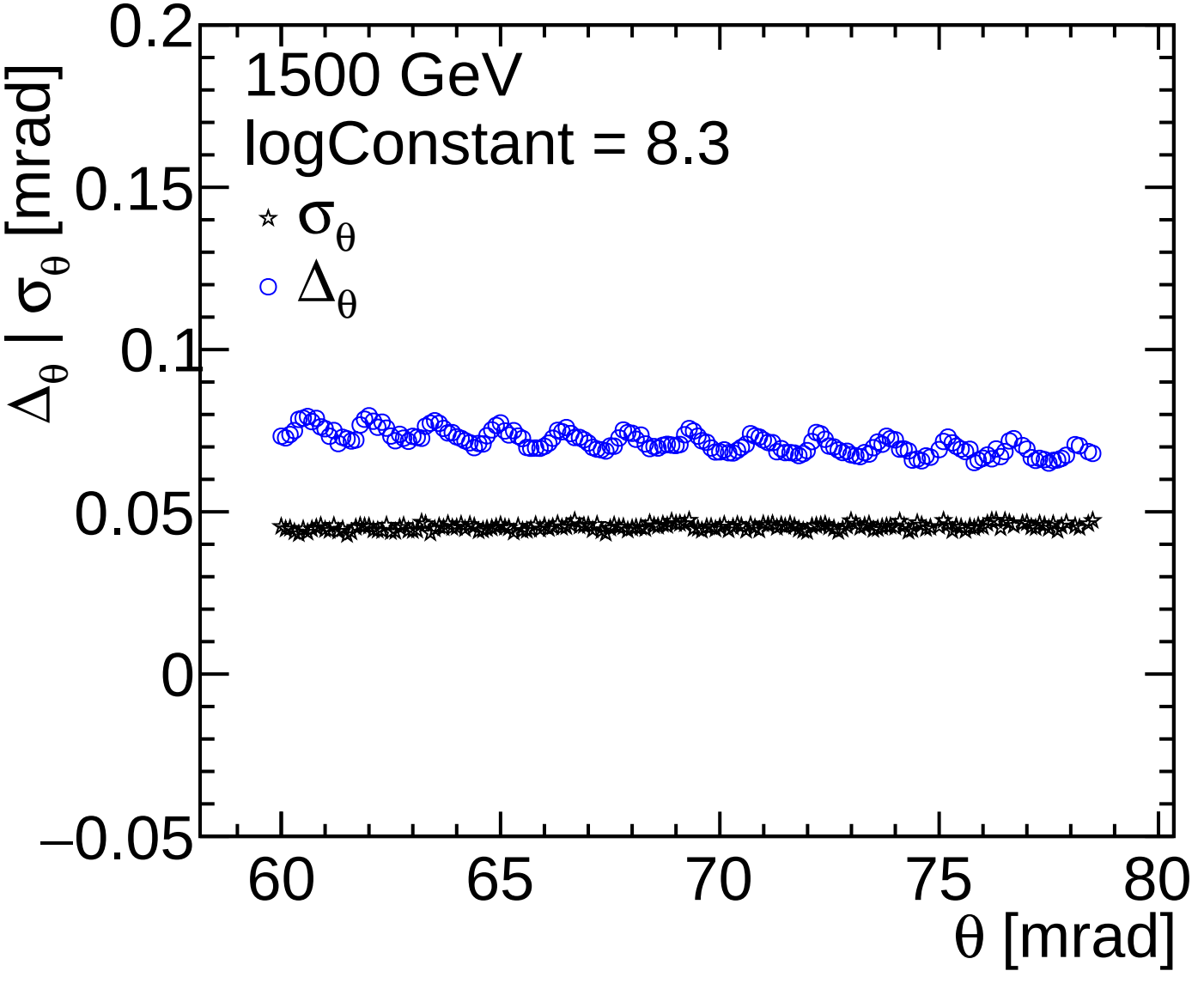

1500 GeV
logConstant = 7.8
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80

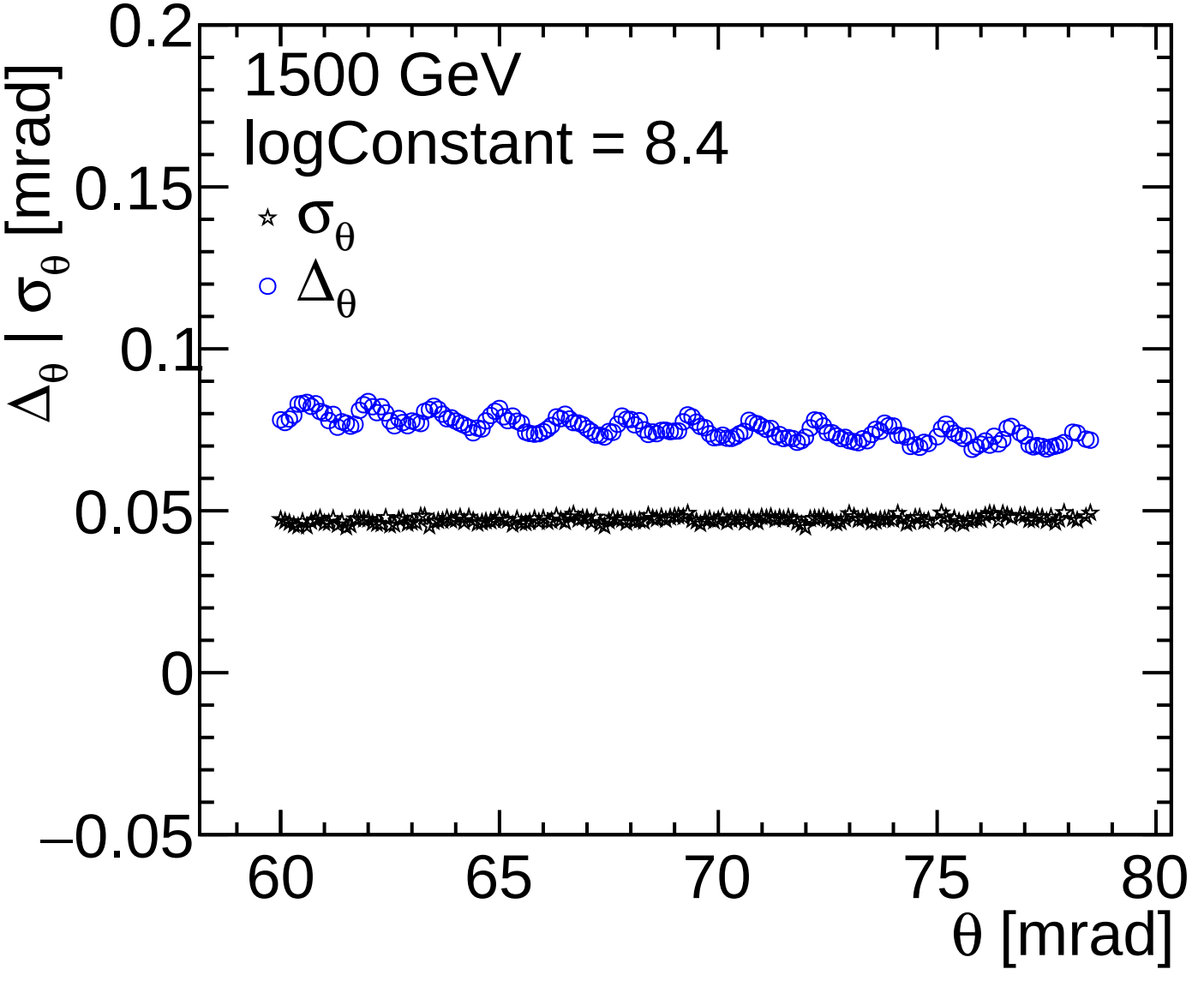

1500 GeV
logConstant = 7.9
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
–0.05
60
65
70
75
80

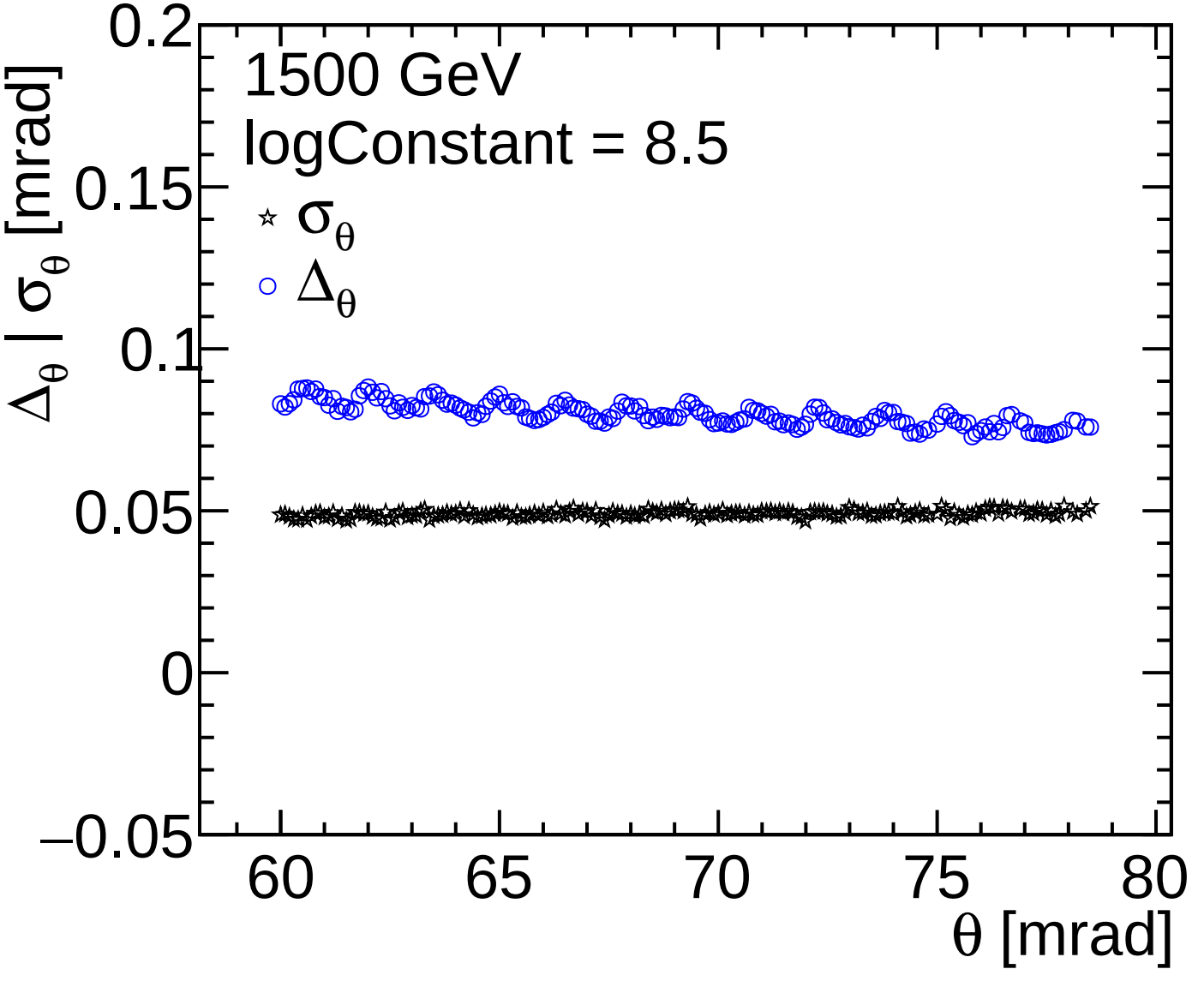

1500 GeV
logConstant = 8.0
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80

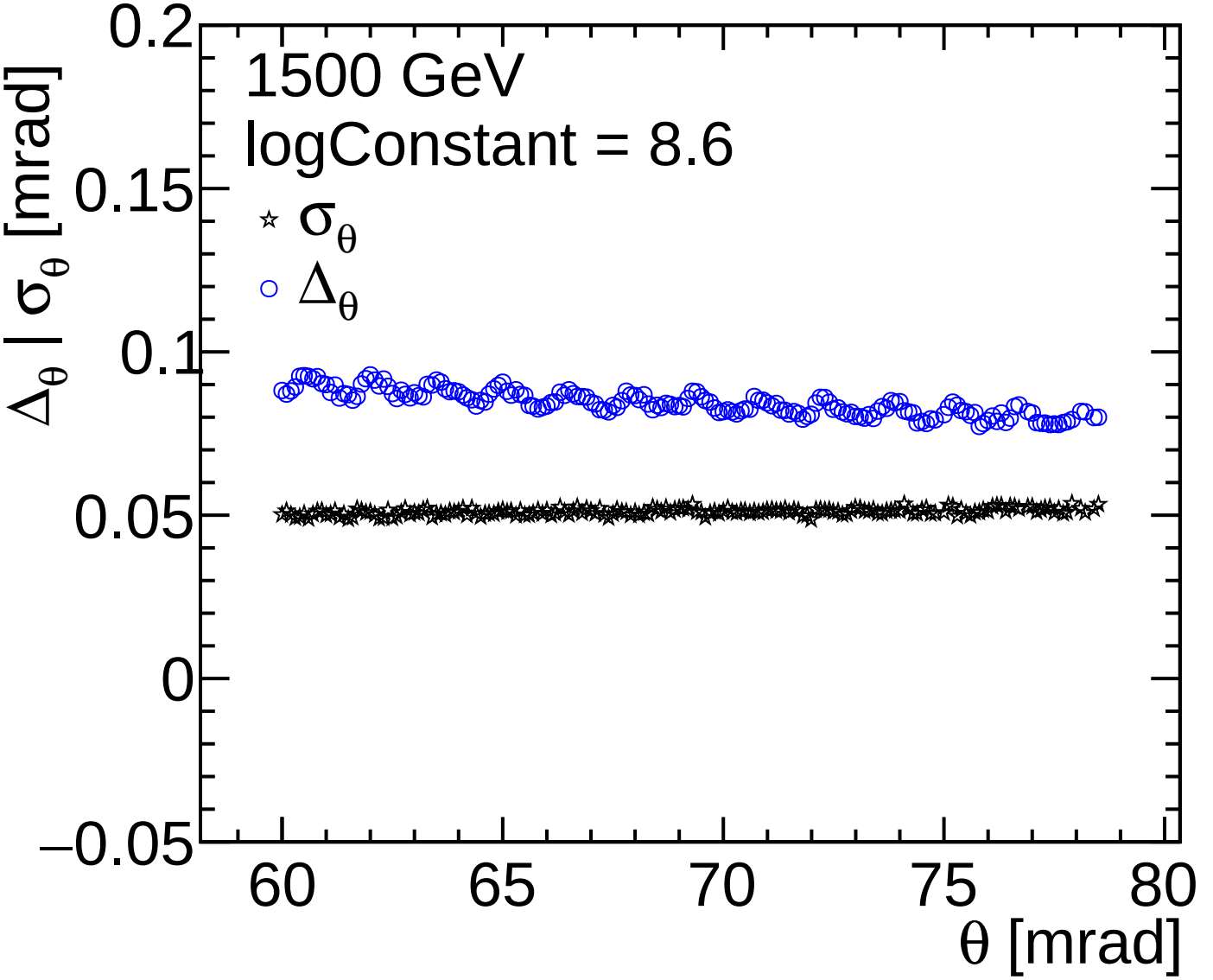

1500 GeV
logConstant = 8.1
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80

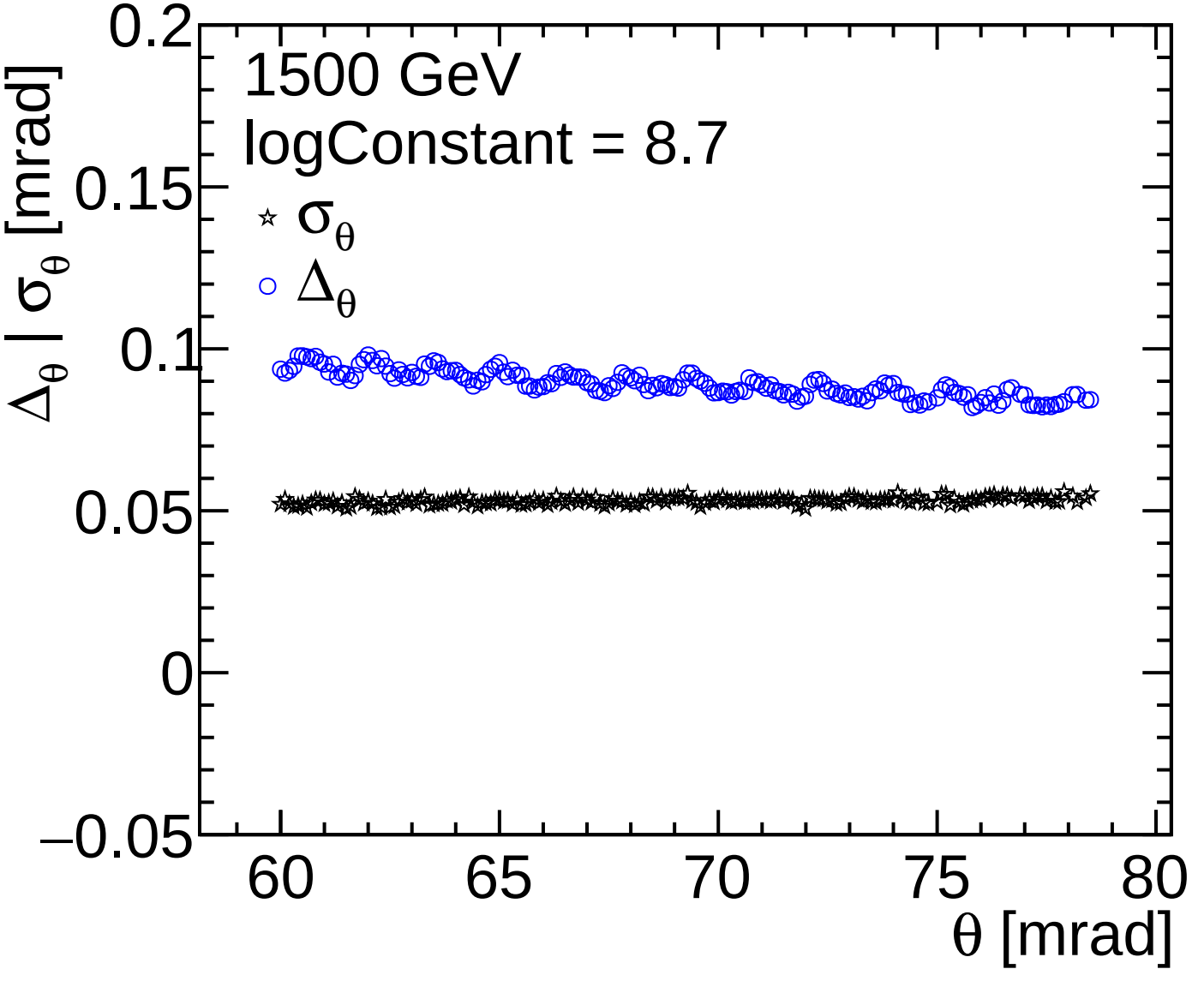

1500 GeV
logConstant = 8.2
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80

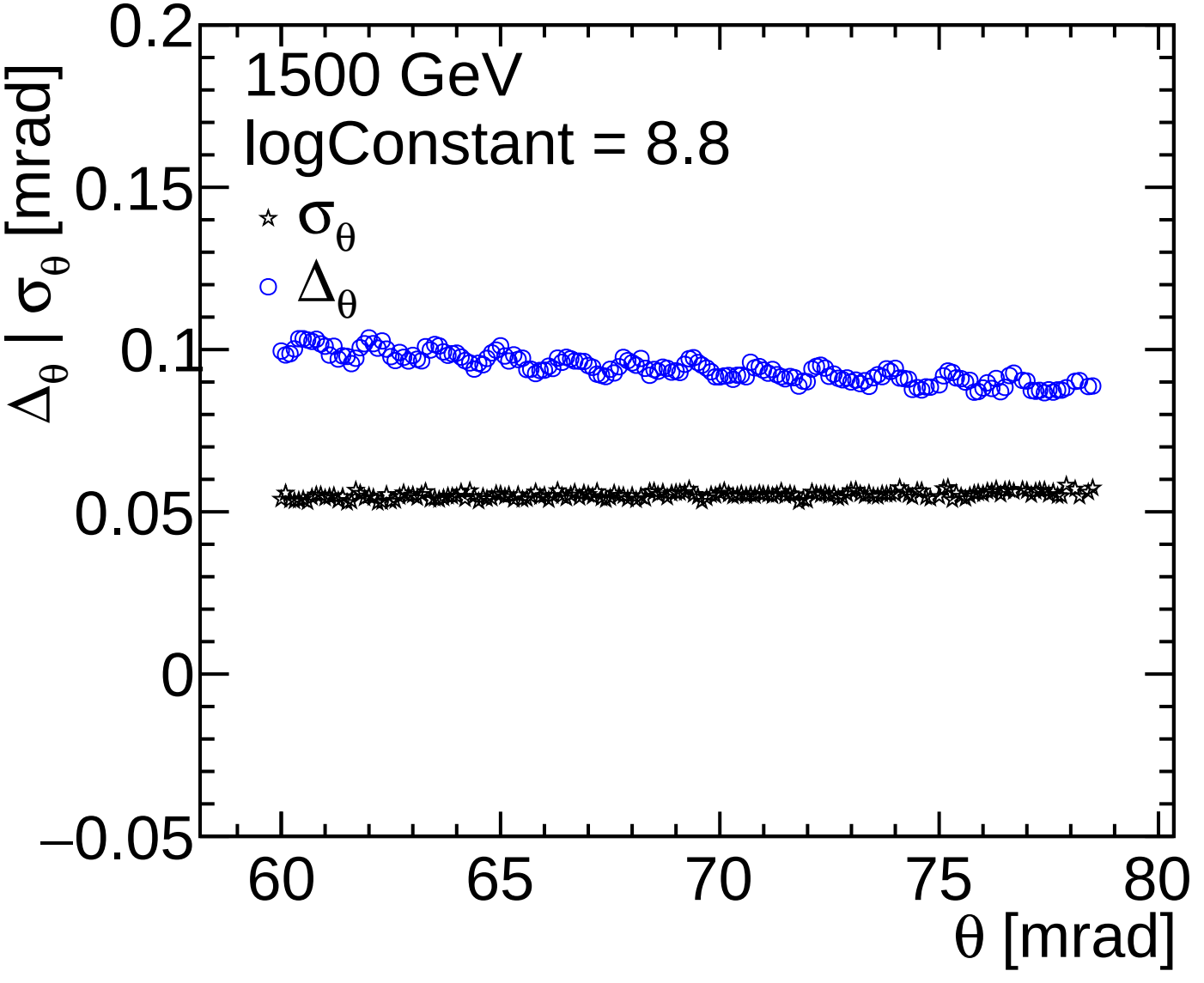

1500 GeV
logConstant = 8.3
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
–0.05
60
65
70
75
80

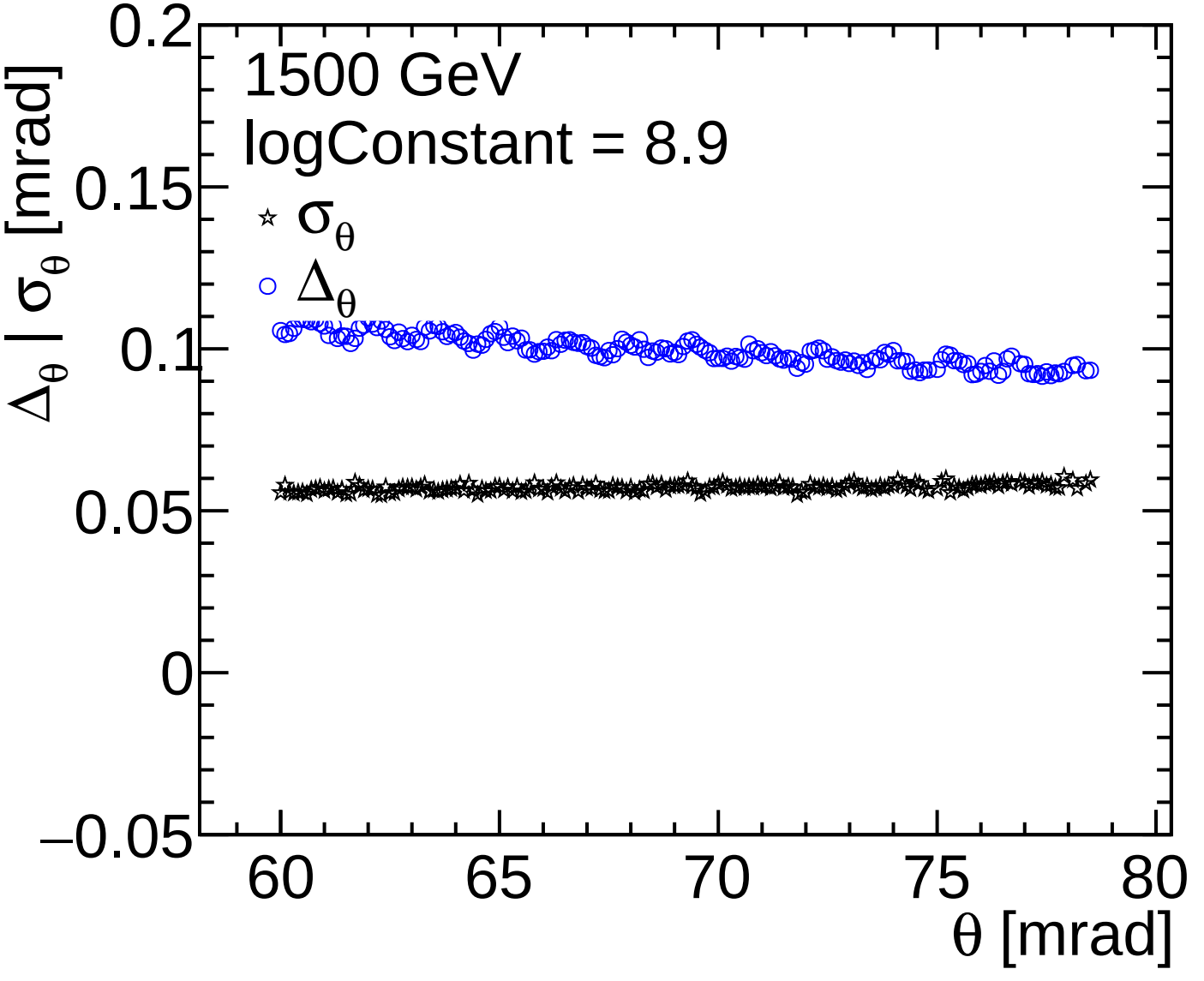

1500 GeV
logConstant = 8.4
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80

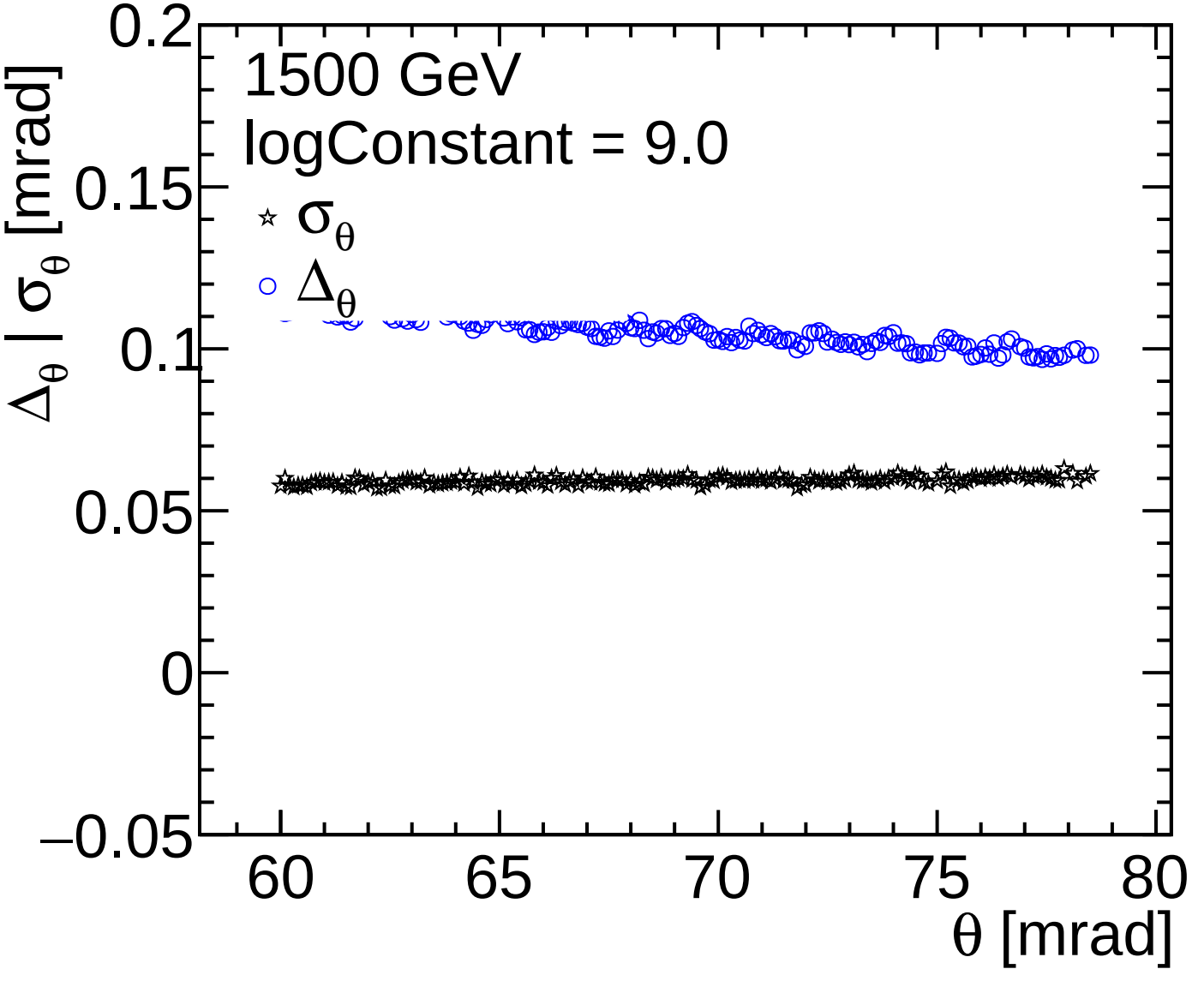

1500 GeV
logConstant = 8.5
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80

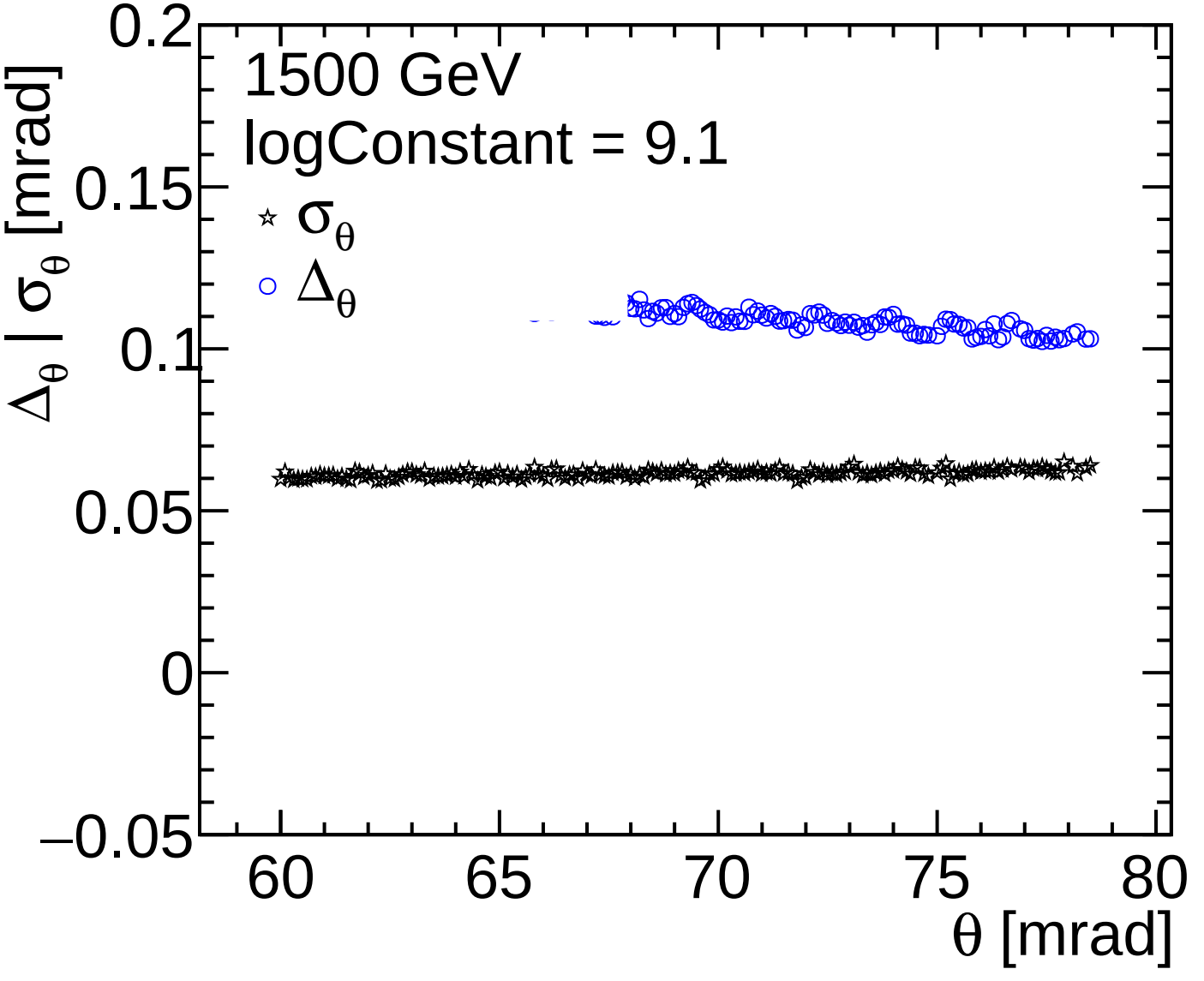

1500 GeV
logConstant = 8.6
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80

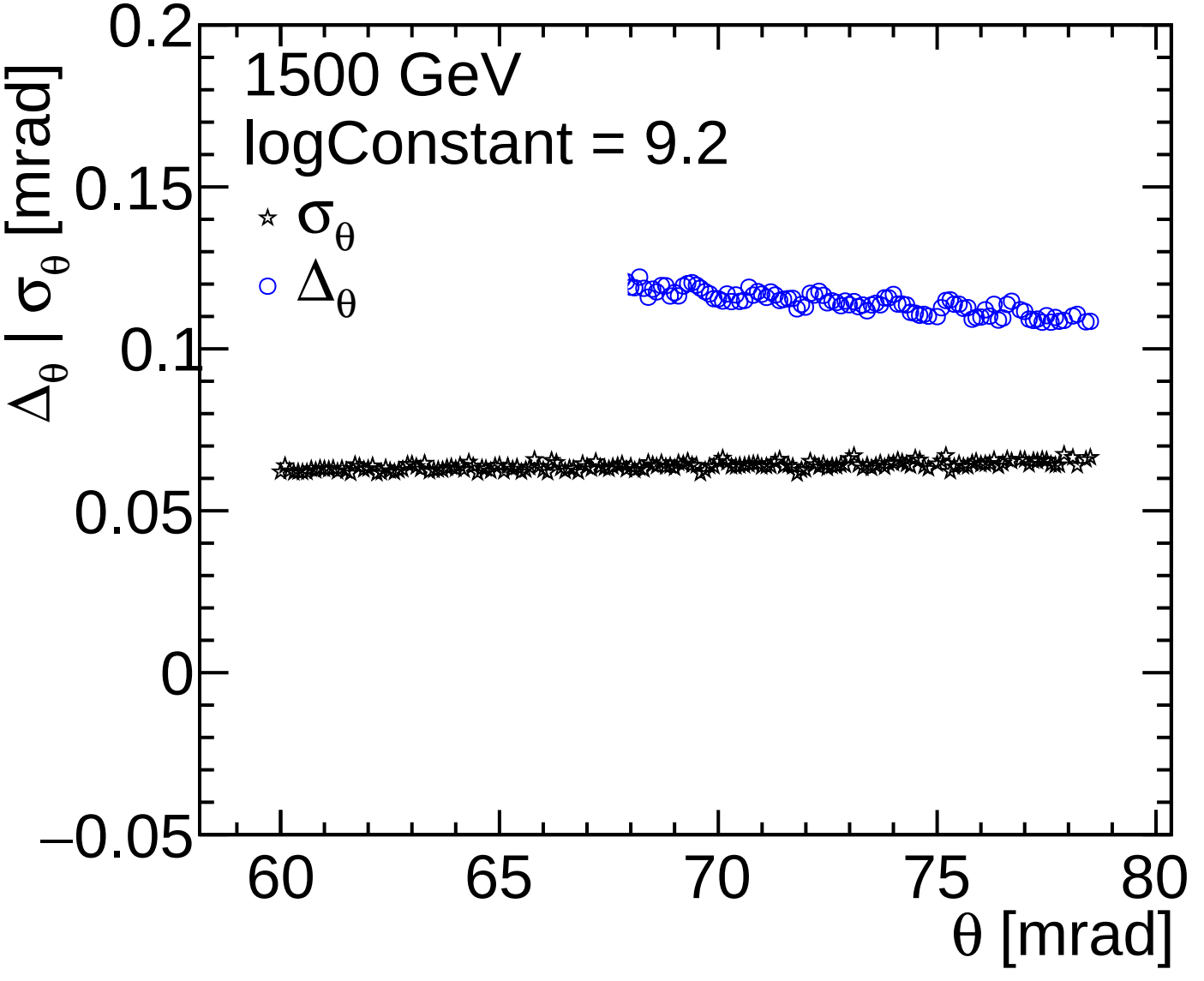

1500 GeV
logConstant = 8.7
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80

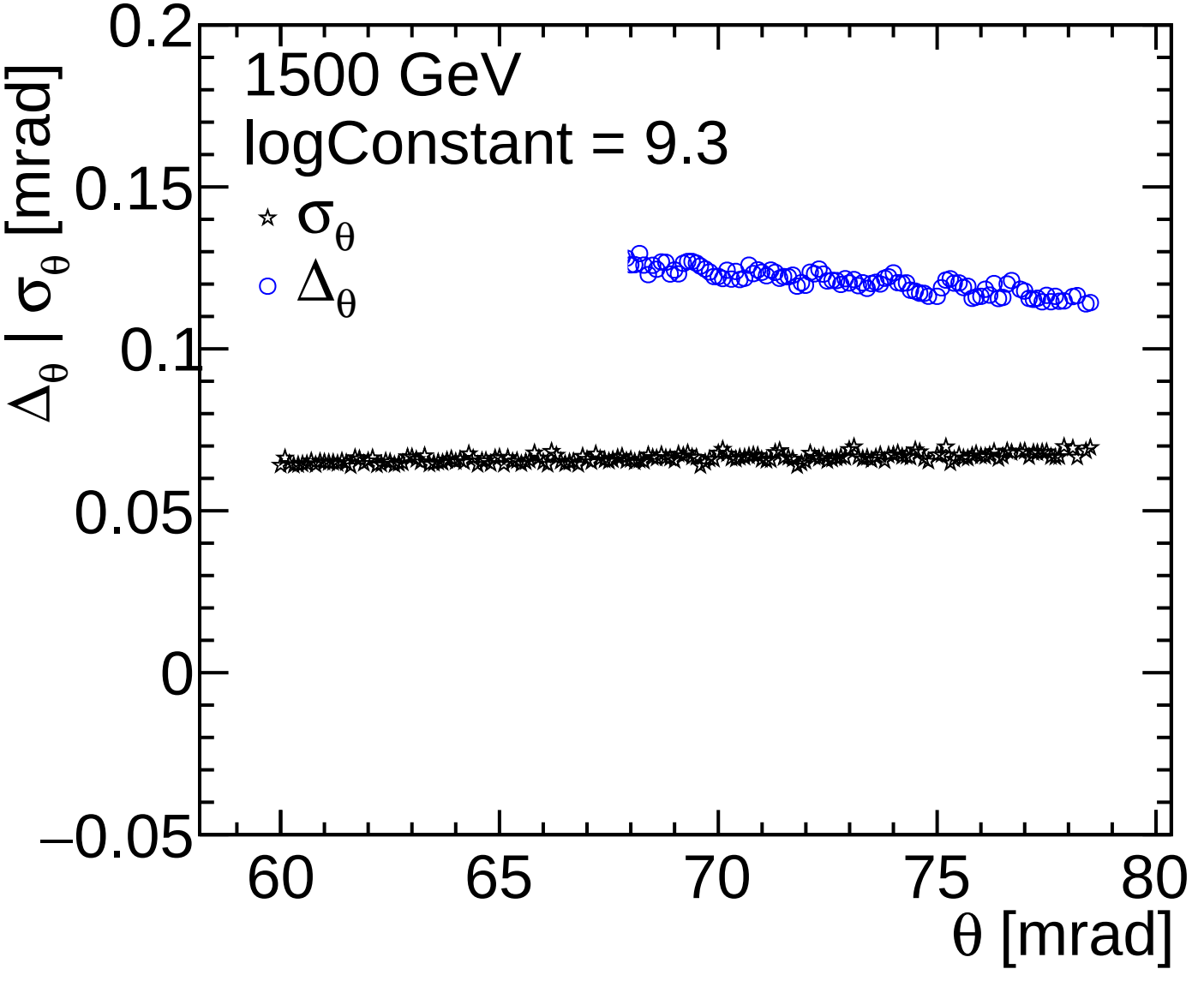

1500 GeV
logConstant = 8.8
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80

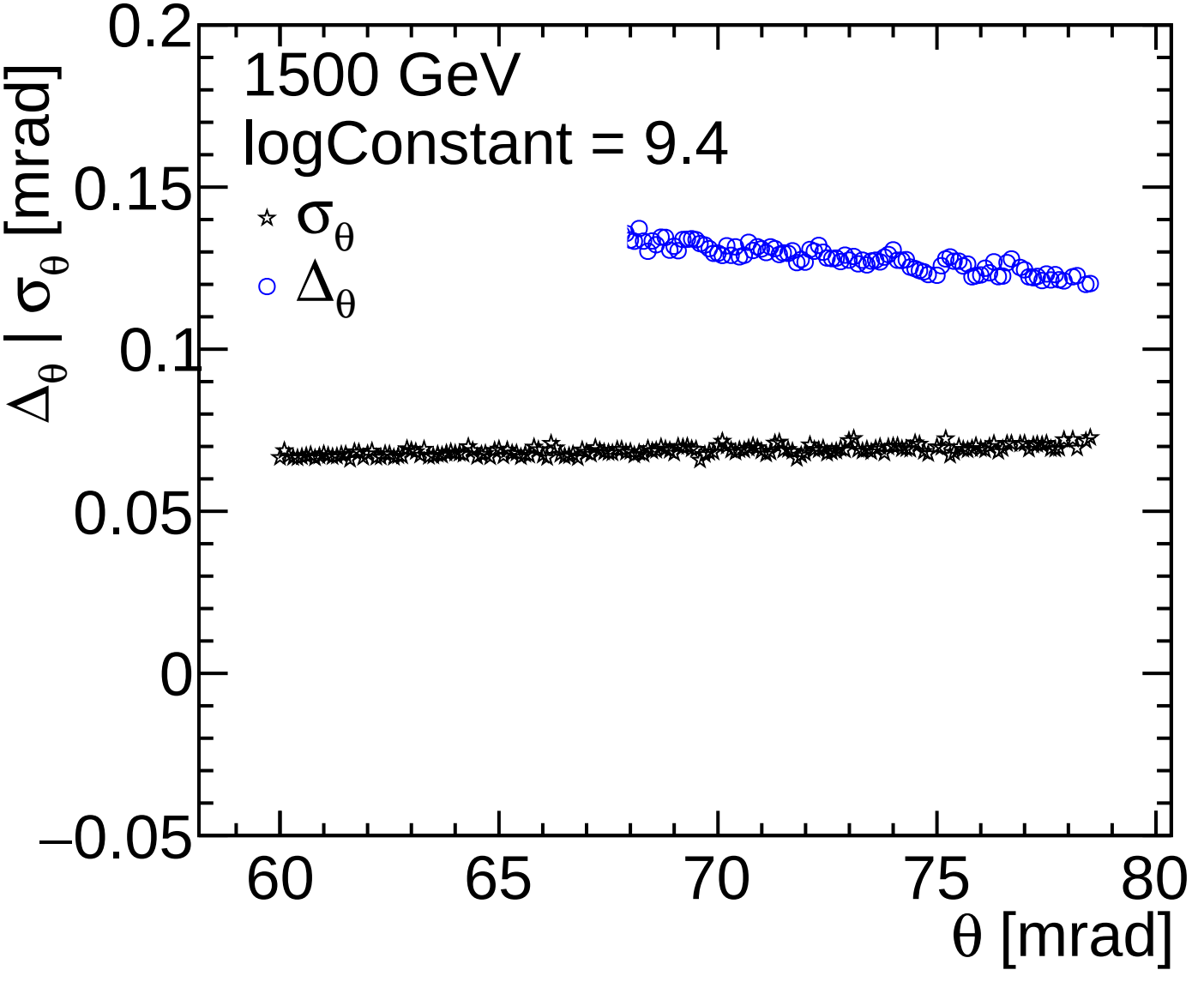

1500 GeV
logConstant = 8.9
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80

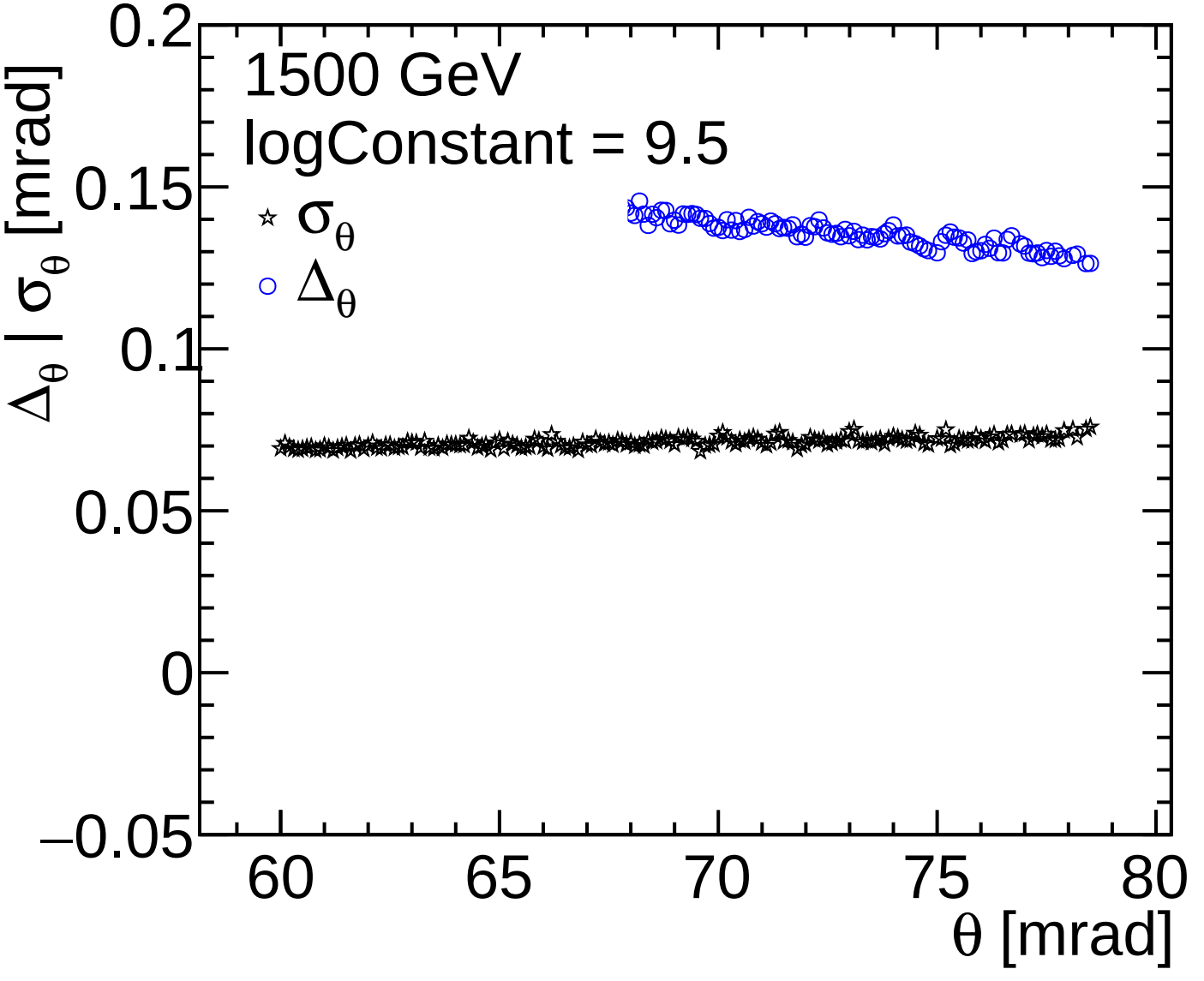

1500 GeV
logConstant = 9.0
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80

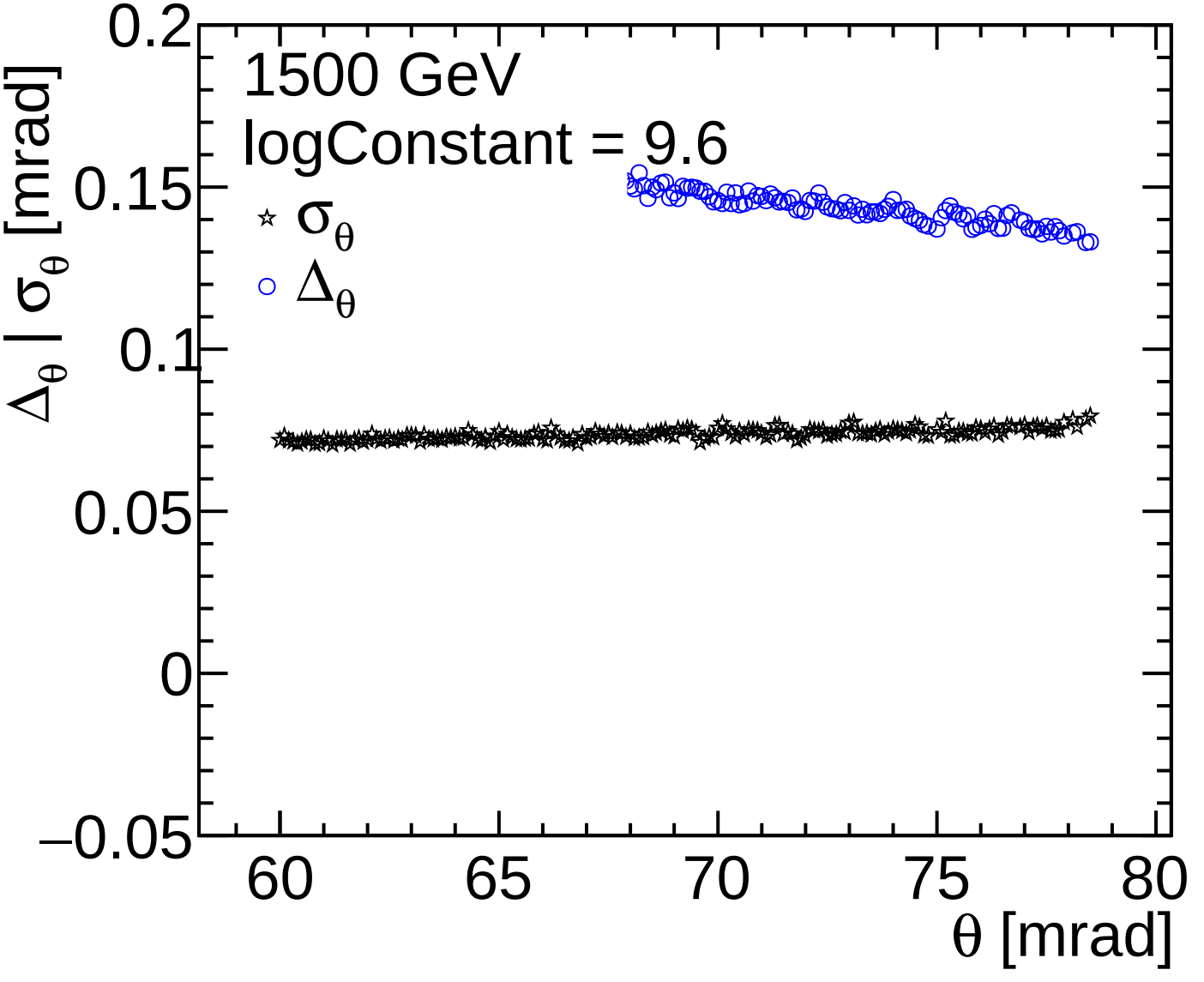

1500 GeV
logConstant = 9.1
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80

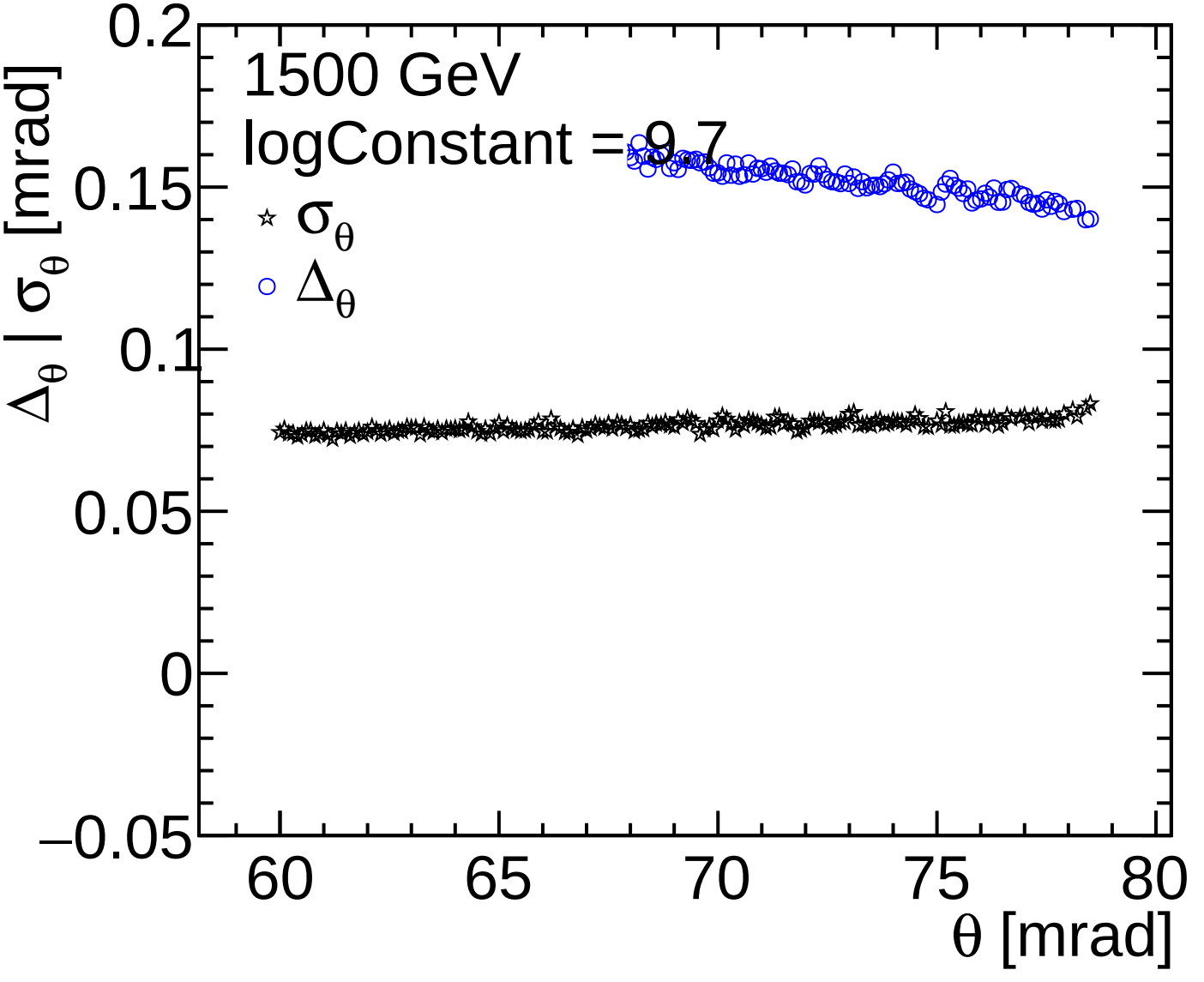

1500 GeV
logConstant = 9.2
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
–0.05
60
65
70
75
80

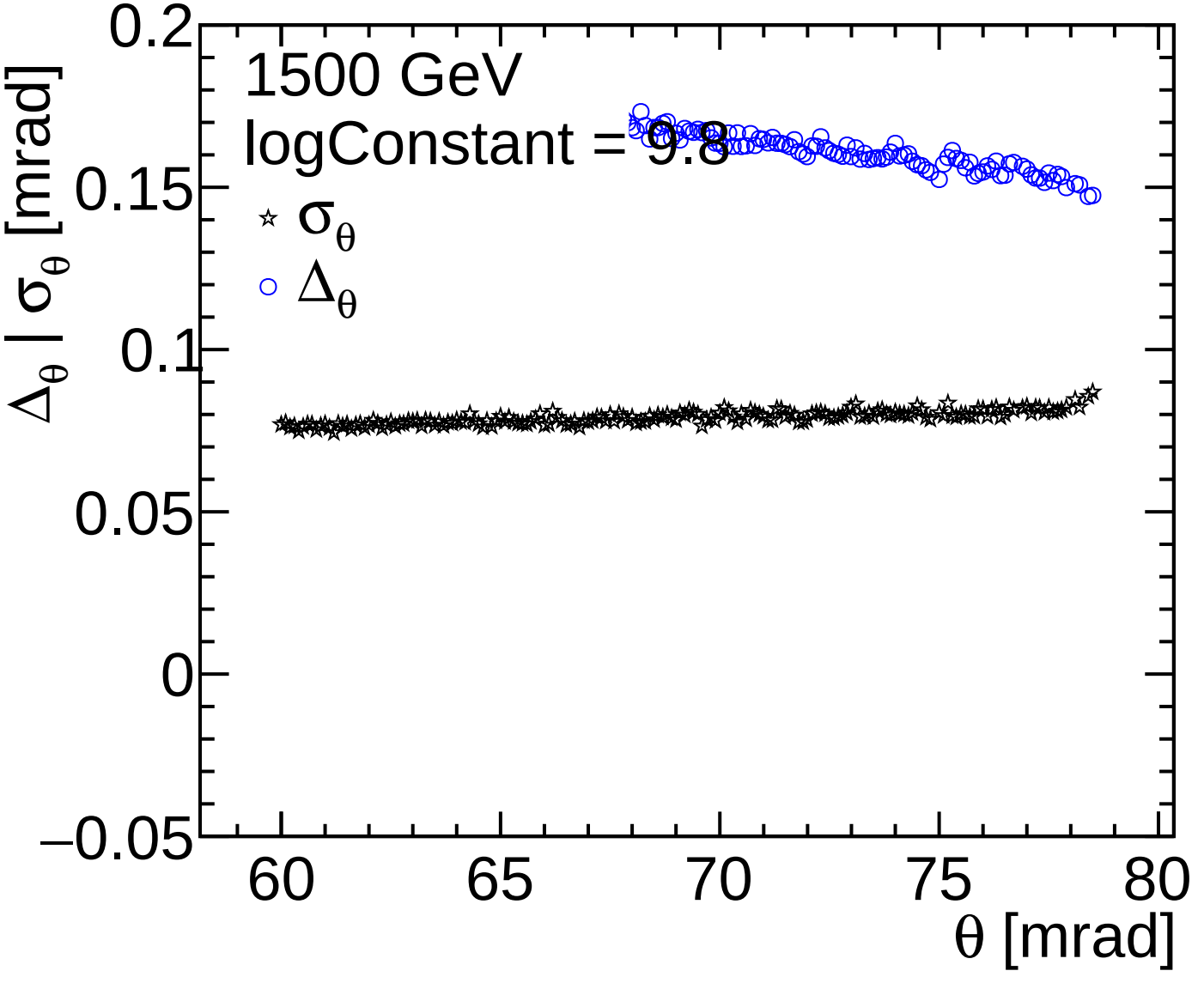

1500 GeV
logConstant = 9.3
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80

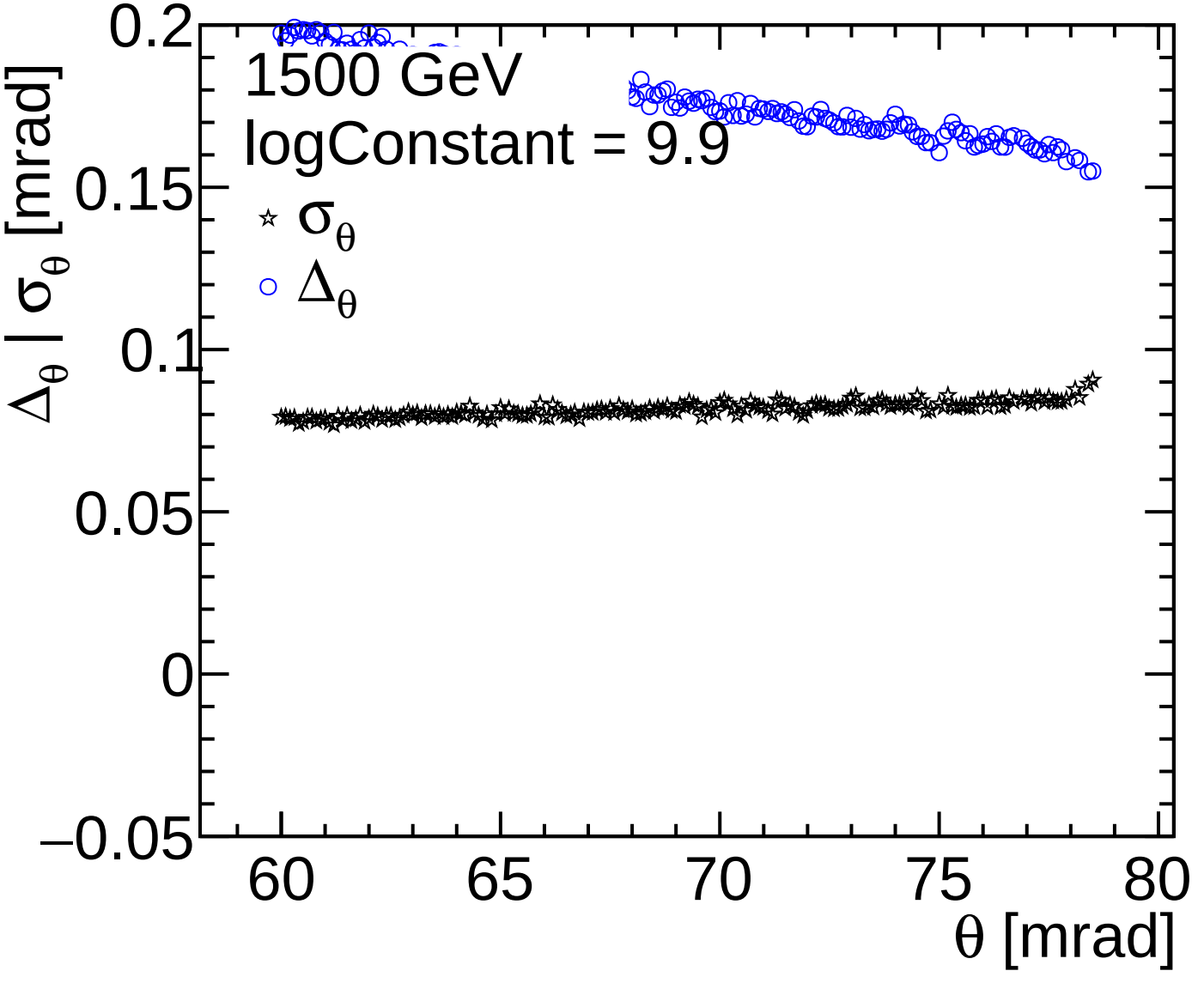

1500 GeV
logConstant = 9.4
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
–0.05
60
65
70
75
80

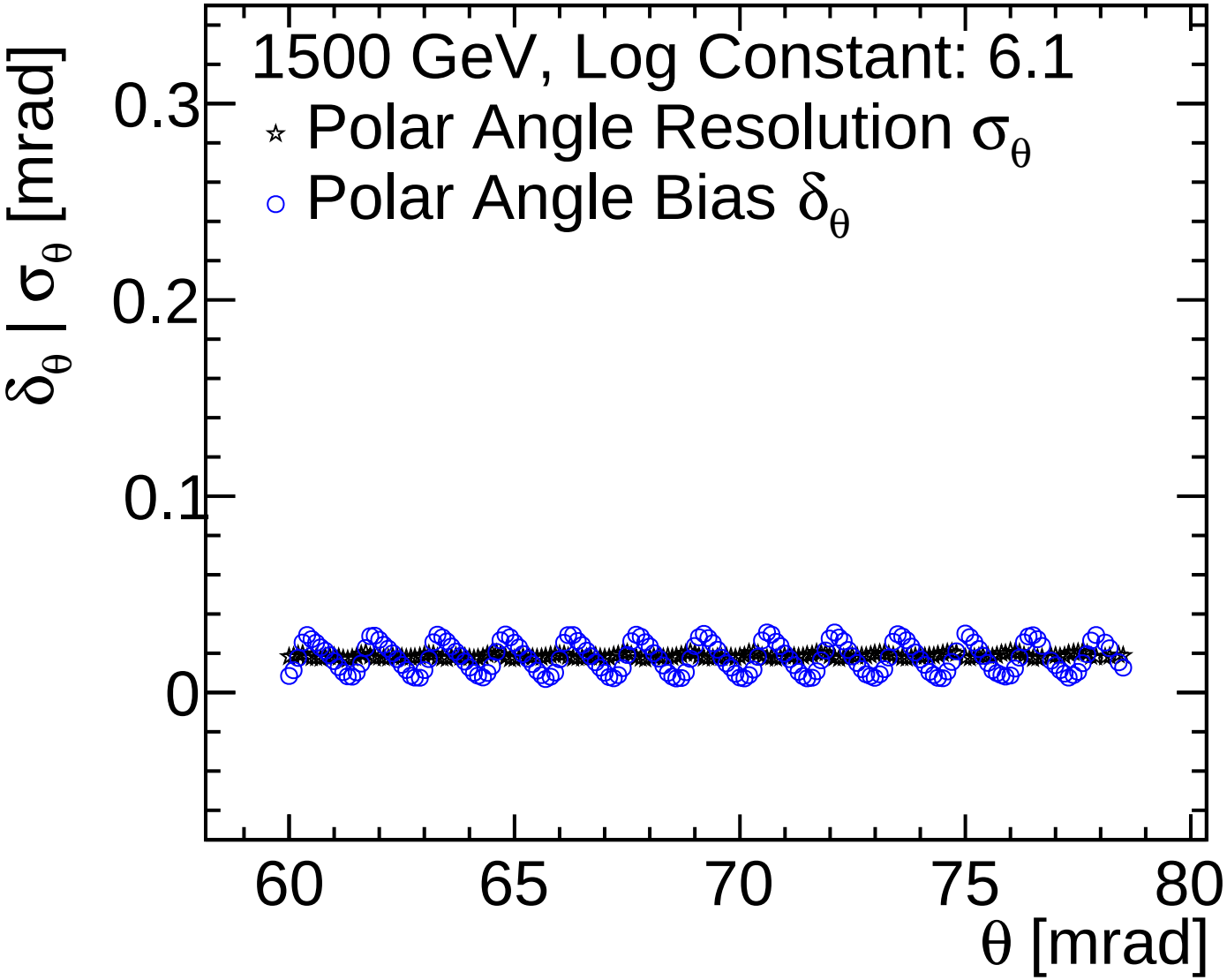

1500 GeV
logConstant = 9.5
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80

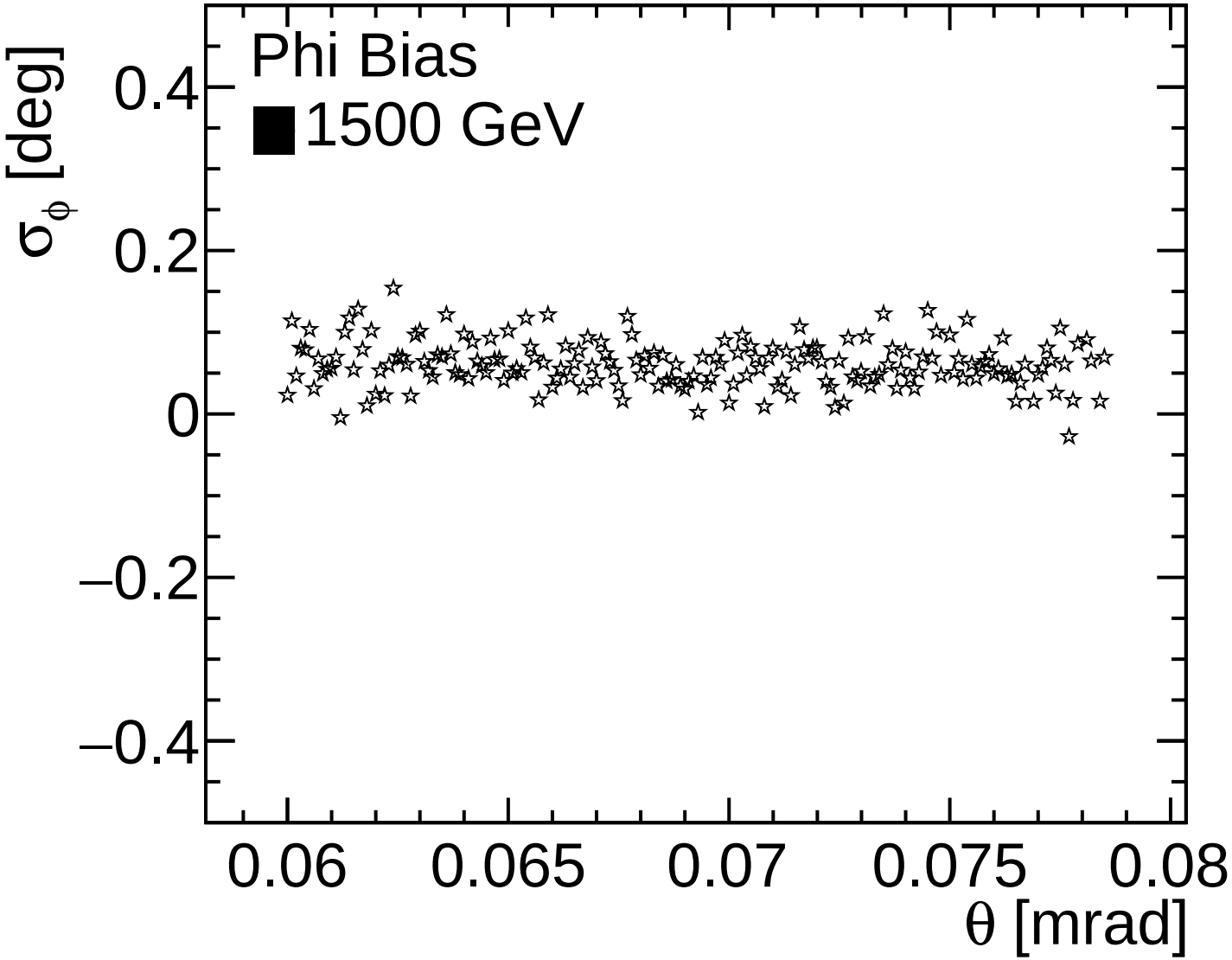

1500 GeV
logConstant = 9.6
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80

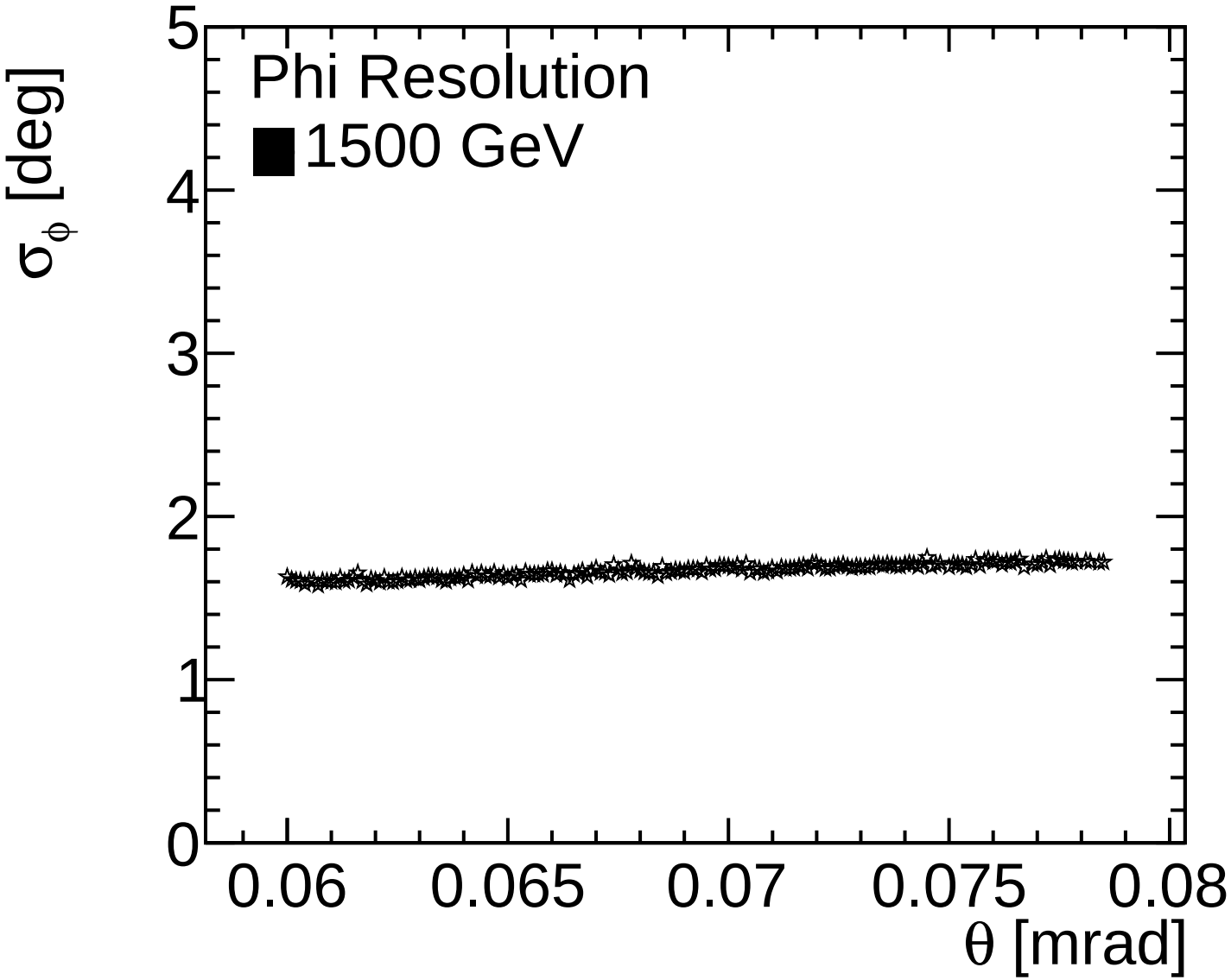

1500 GeV
logConstant = 9.7
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80

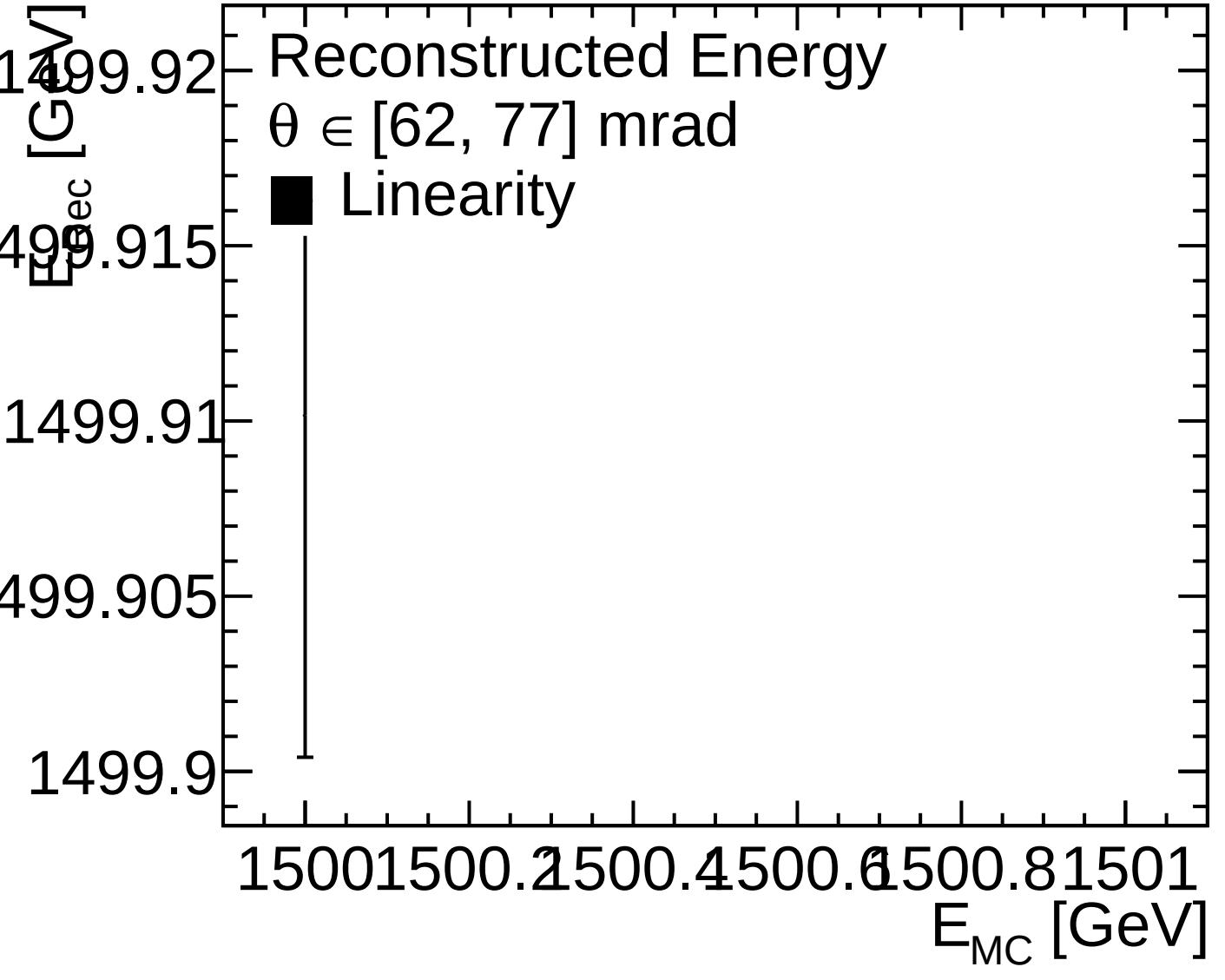

1500 GeV
logConstant = 9.8
σ_θ
Δ_θ
Δ_θ | σ_θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80
θ [mrad]

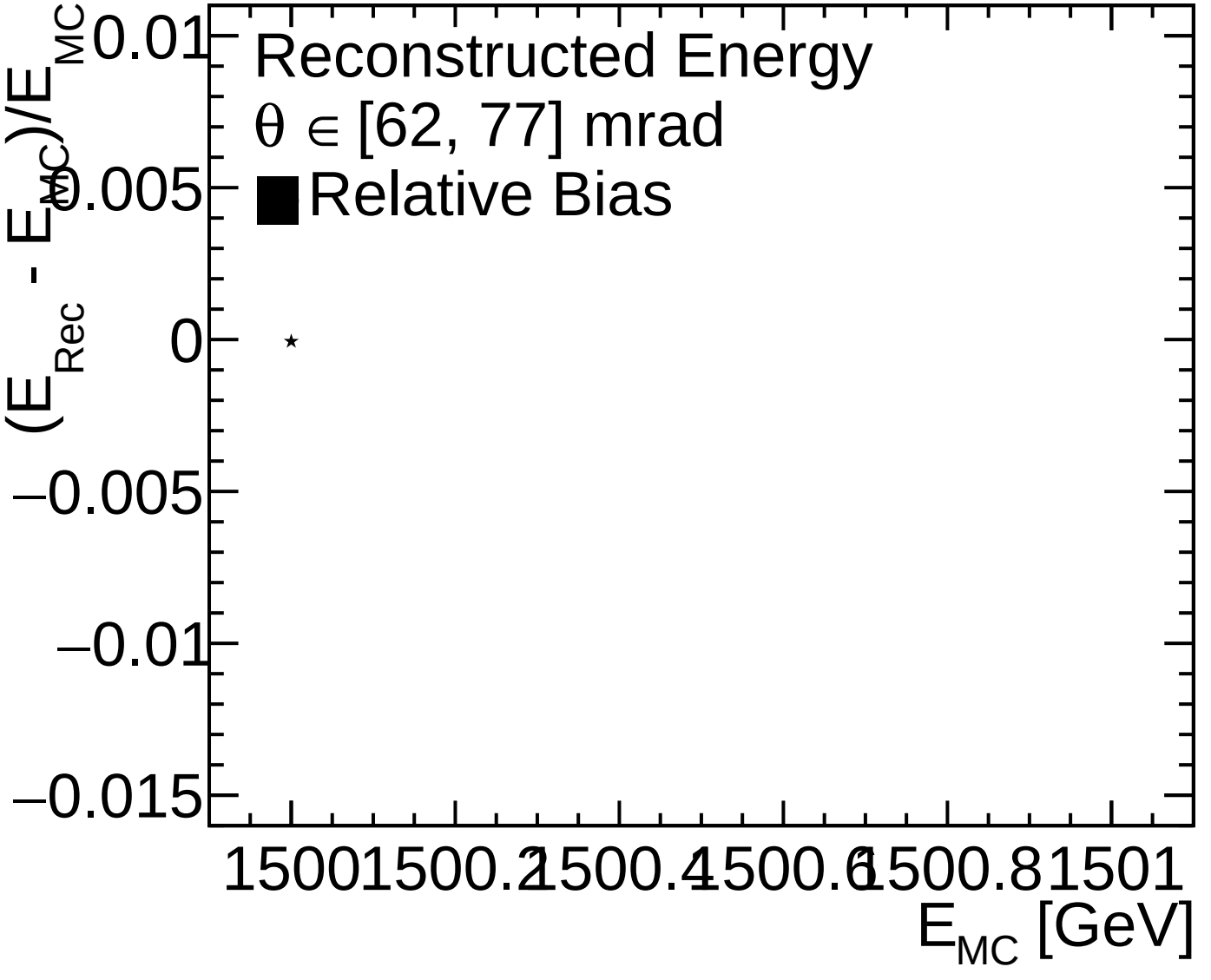

1500 GeV
logConstant = 9.9
σθ
Δθ
Δθ | σθ [mrad]
θ [mrad]
0.2
0.15
0.1
0.05
0
−0.05
60
65
70
75
80

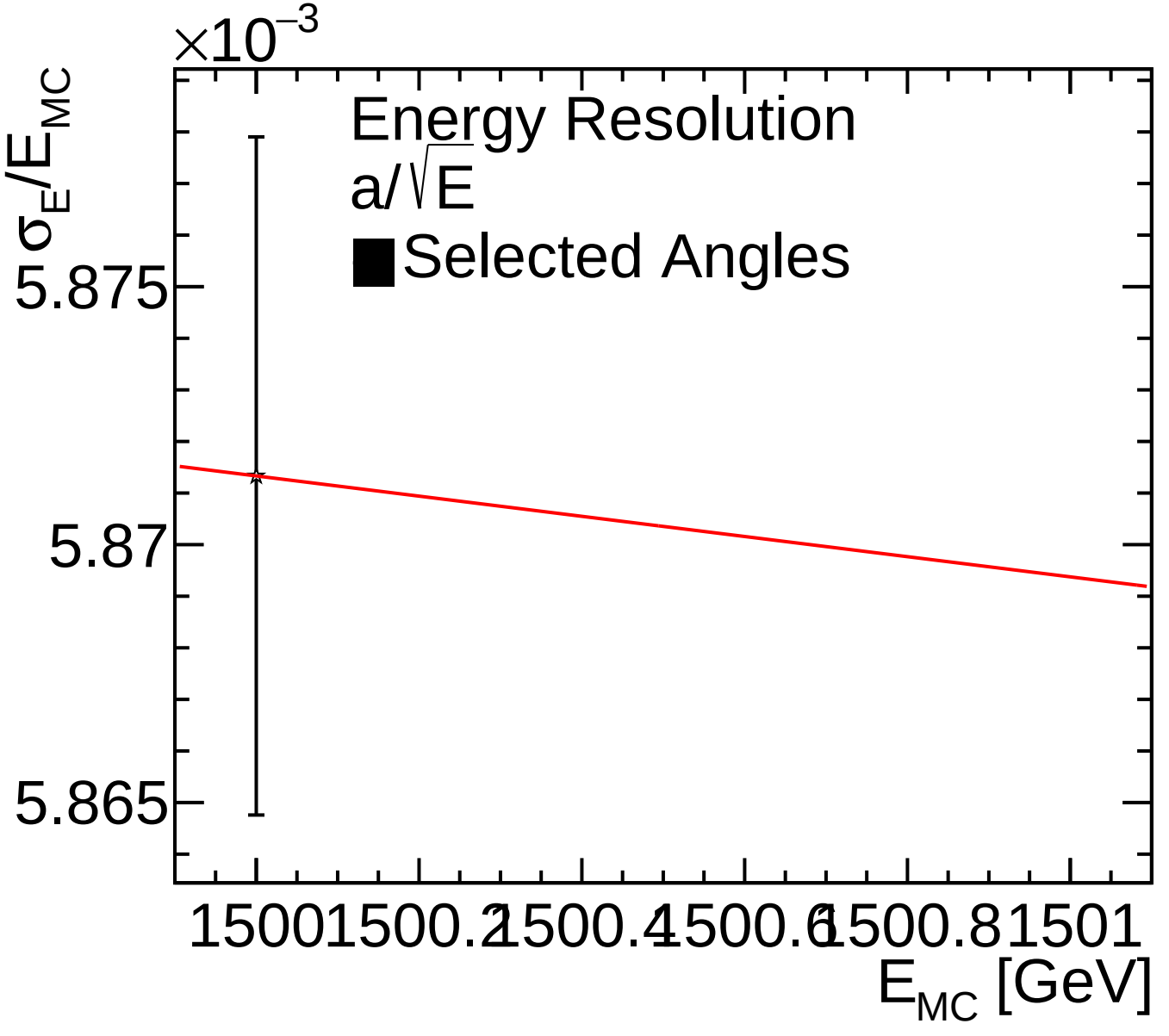

1500 GeV, Log Constant: 6.1
Polar Angle Resolution σ_θ
Polar Angle Bias δ_θ
δ_θ | σ_θ [mrad]
0.3
0.2
0.1
0
60
65
70
75
80
θ [mrad]

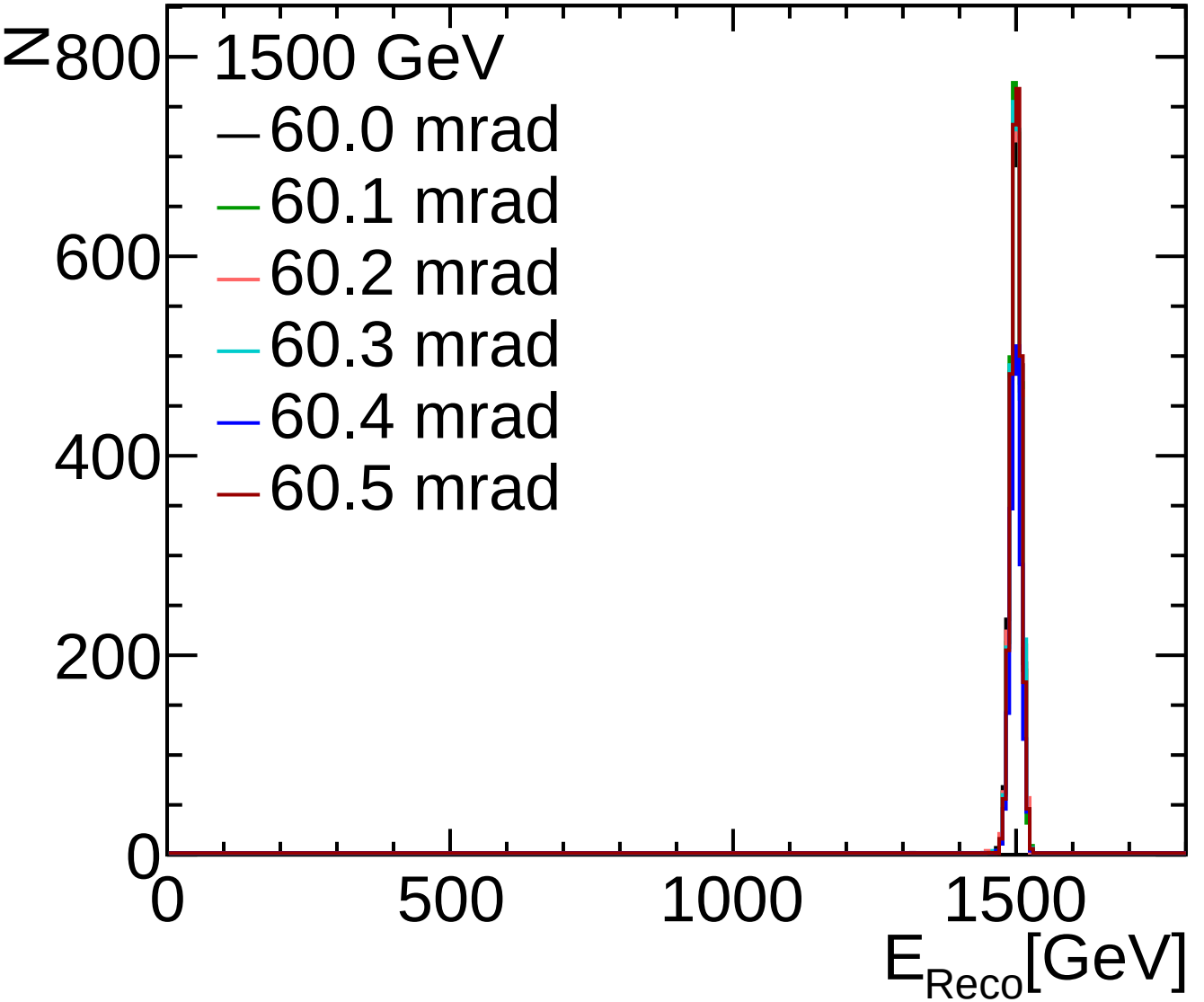

Phi Bias
1500 GeV
σ_ϕ [deg]
0.4
0.2
0
–0.2
–0.4
0.06
0.065
0.07
0.075
0.08
θ [mrad]

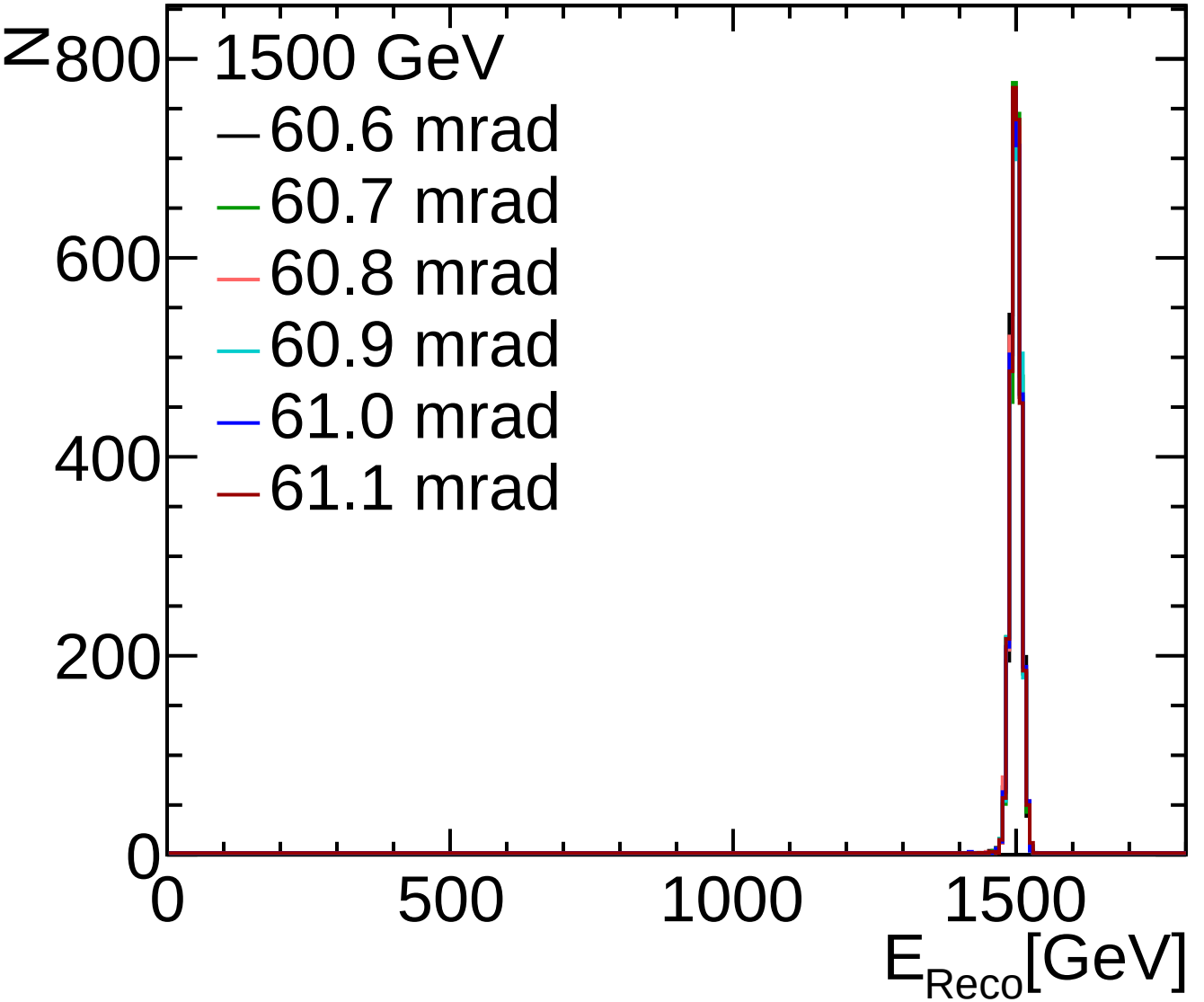

Phi Resolution
1500 GeV
σ_ϕ [deg]
0
1
2
3
4
5
0.06
0.065
0.07
0.075
0.08
θ [mrad]

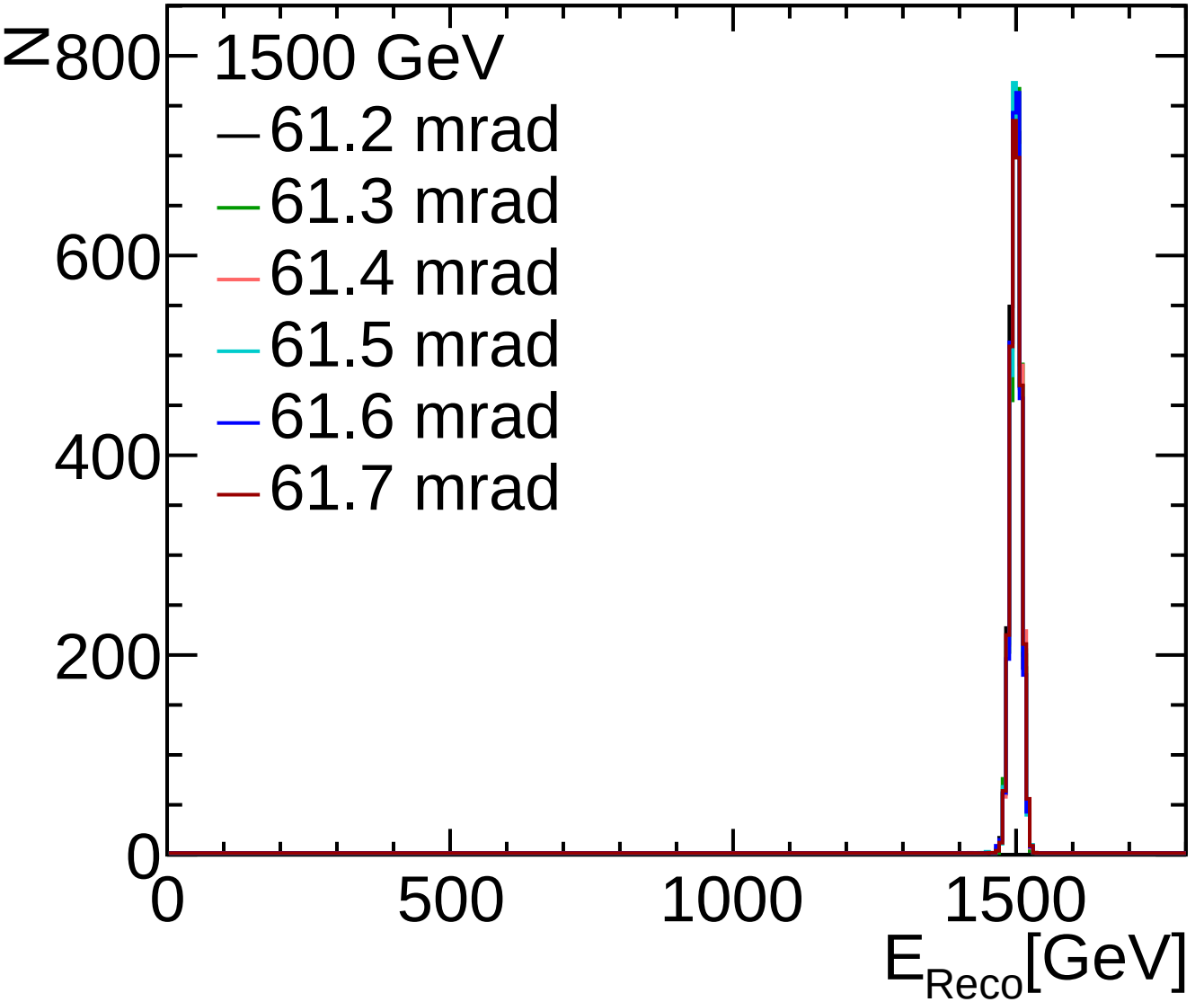

Reconstructed Energy
θ ∈ [62, 77] mrad
Linearity
1499.92
1499.915
1499.91
1499.905
1499.9
1500
1500.2
1500.4
1500.6
1500.8
1501
E_MC [GeV]
E_rec [GeV]

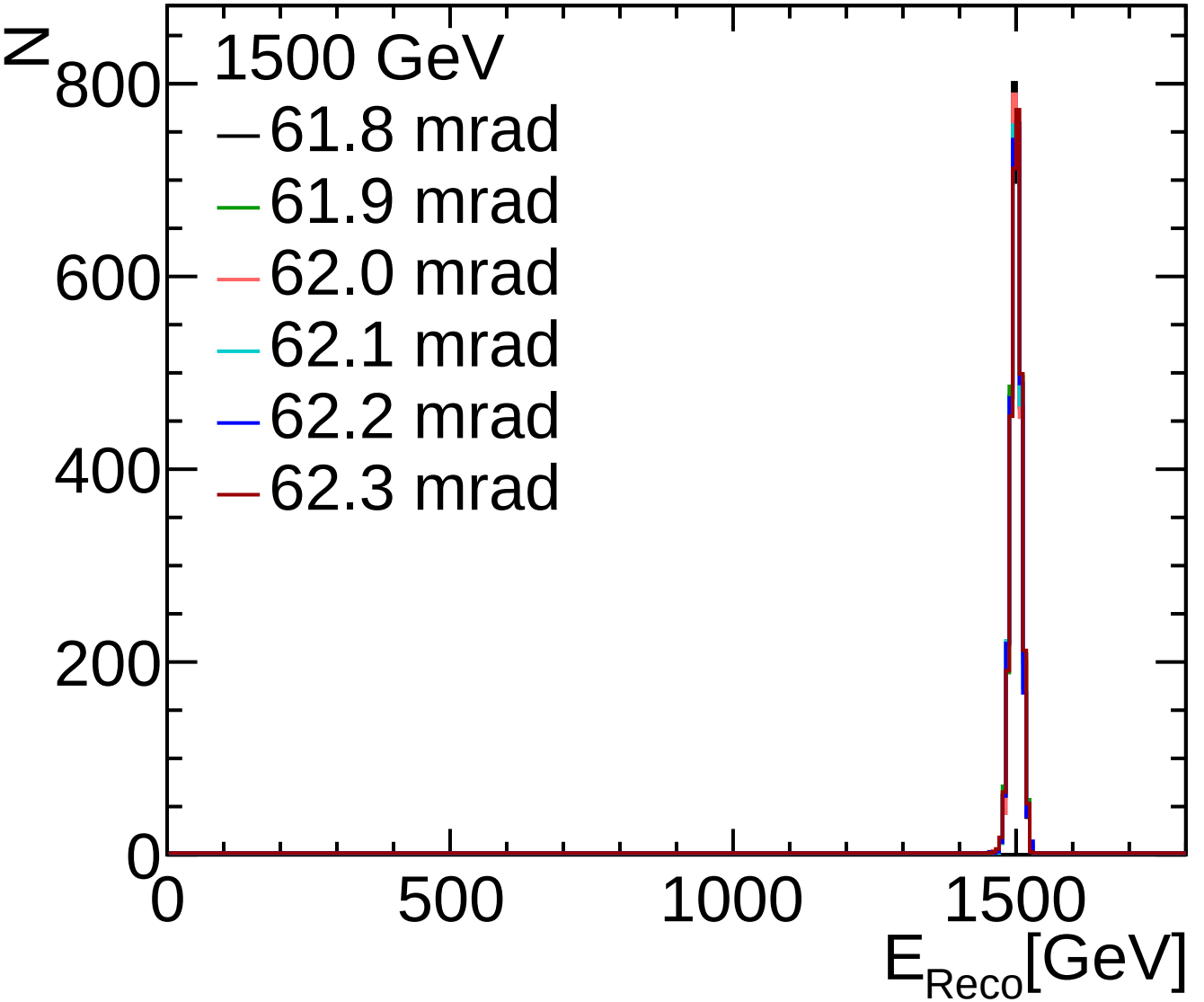

Reconstructed Energy
θ ∈ [62, 77] mrad
Relative Bias
0.01
0.005
0
–0.005
–0.01
–0.015
1500
1500.2
1500.4
1500.6
1500.8
1501
$(E_{Rec} - E_{MC})/E_{MC}$
E_{MC} [GeV]

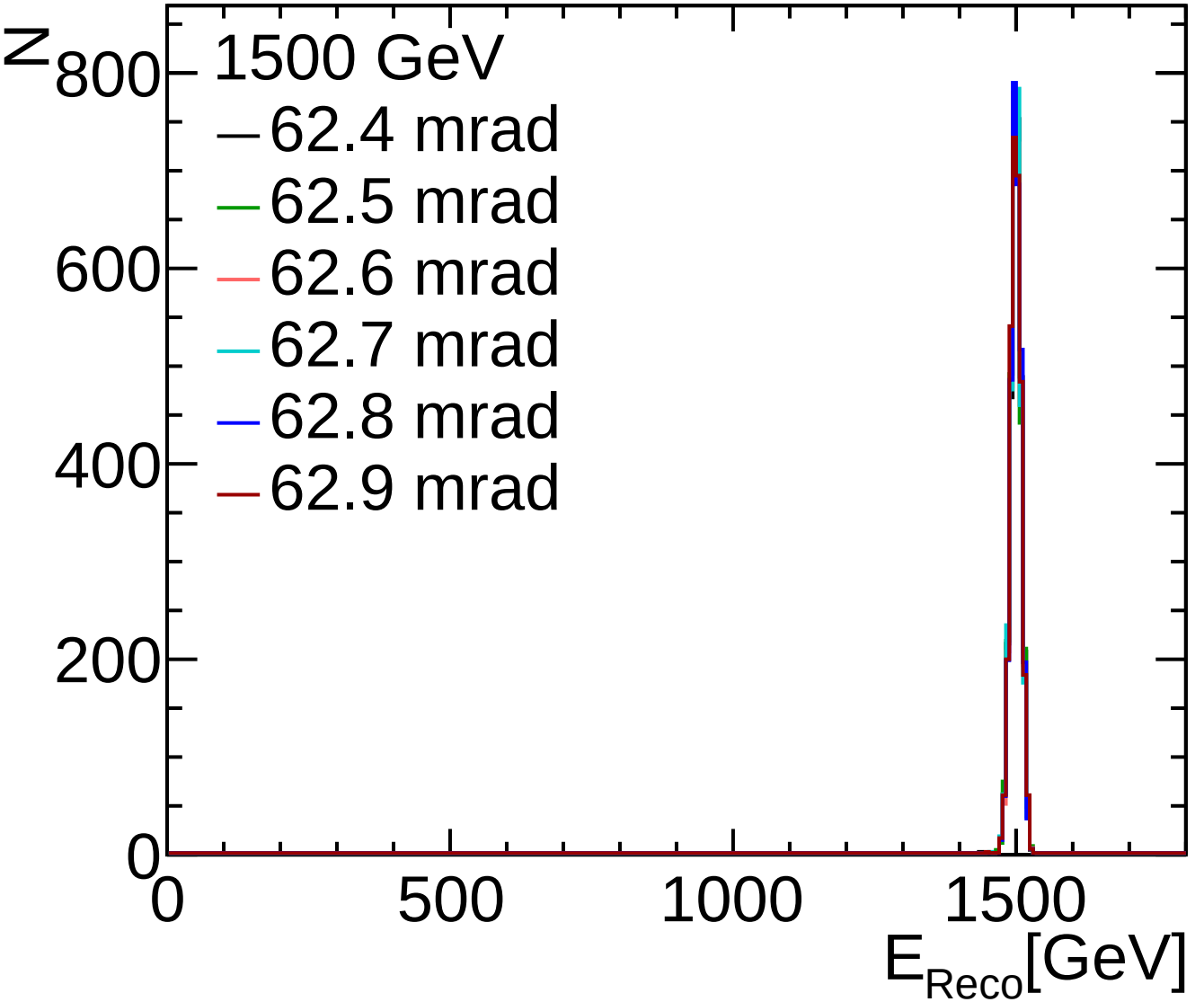

Energy Resolution
a/√E
Selected Angles
×10⁻³
σE/EMC
5.875
5.87
5.865
1500
1500.2
1500.4
1500.6
1500.8
1501
EMC [GeV]

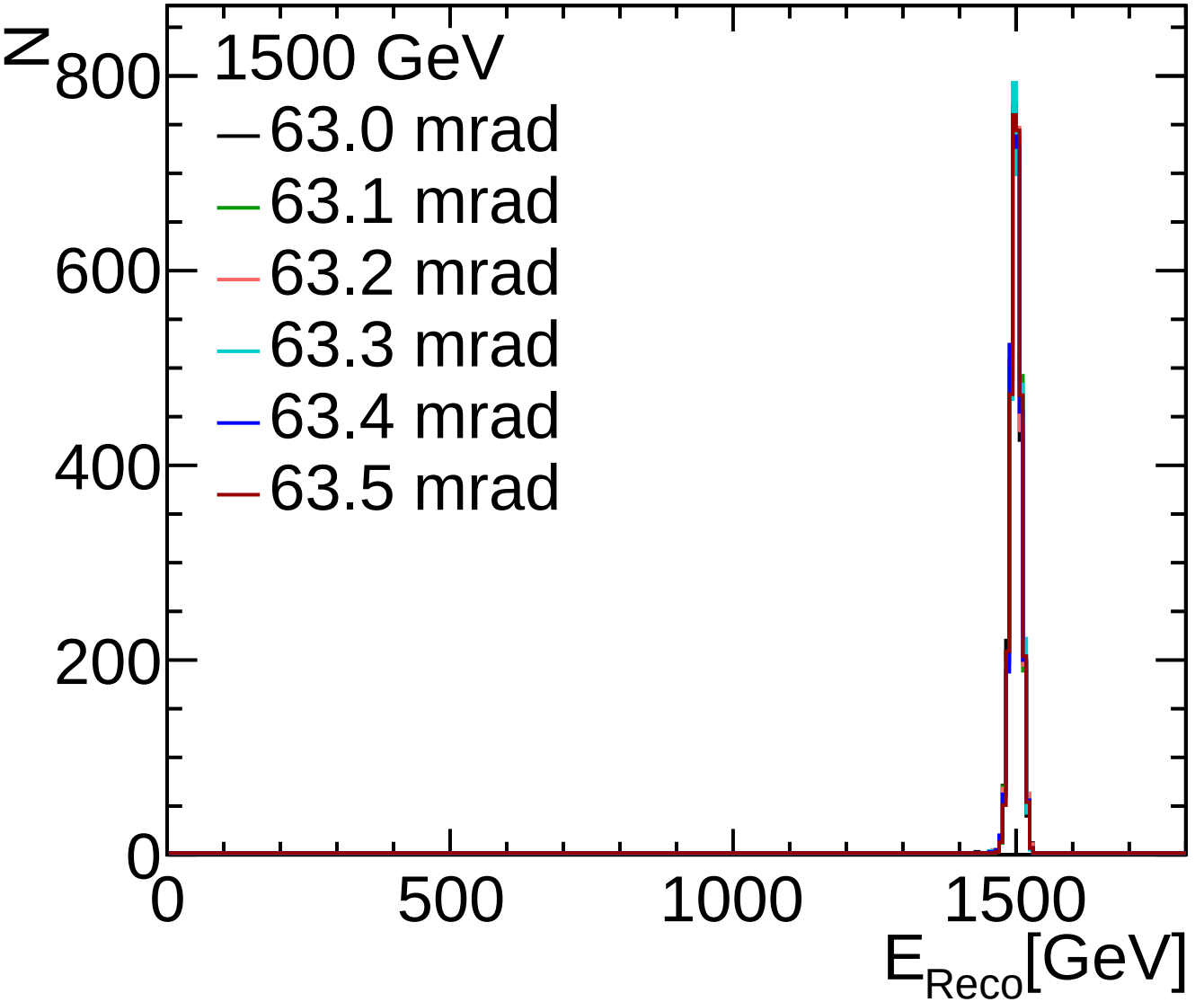

N
800
600
400
200
0
1500 GeV
60.0 mrad
60.1 mrad
60.2 mrad
60.3 mrad
60.4 mrad
60.5 mrad
0
500
1000
1500
E_Reco[GeV]

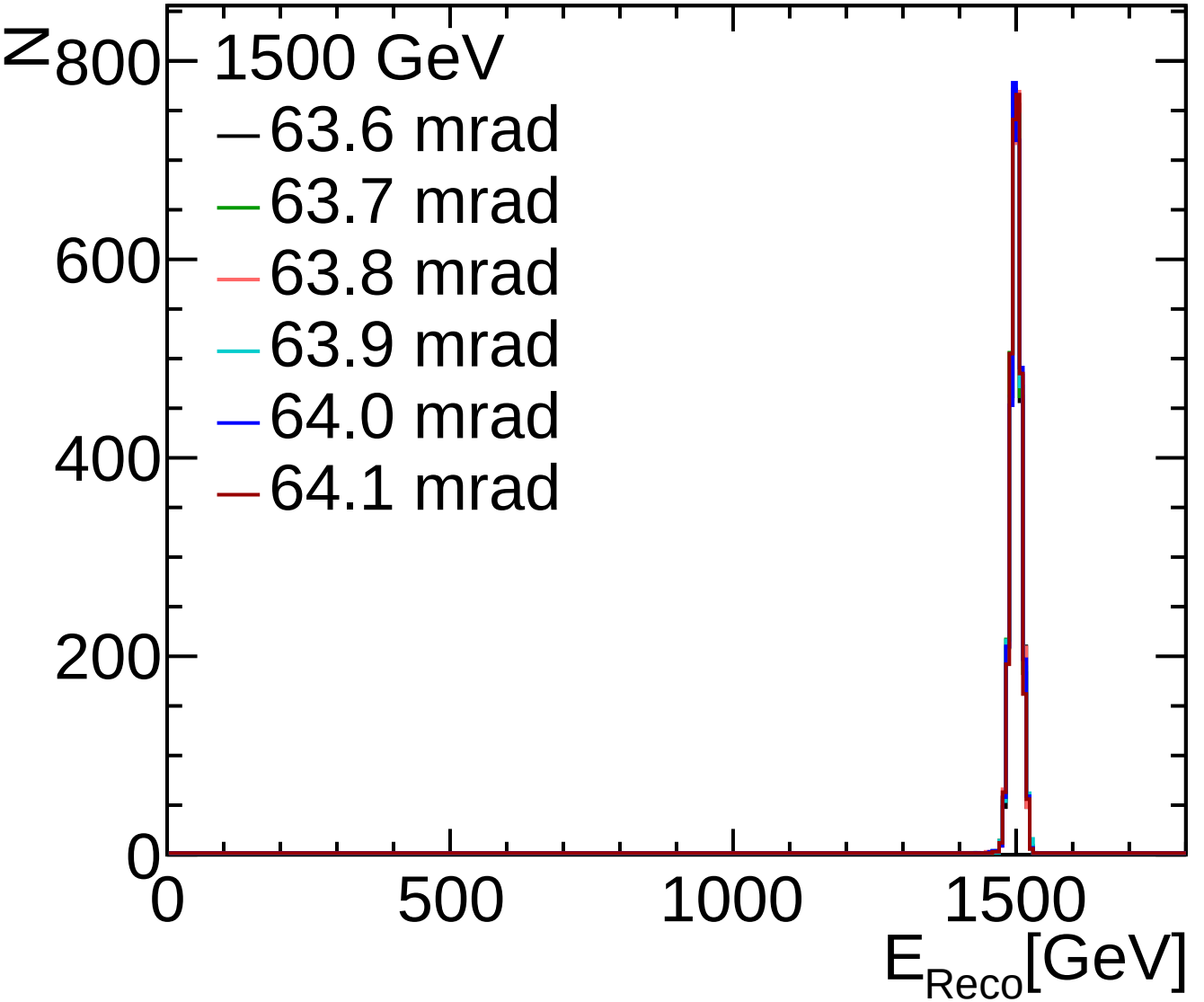

N
800
600
400
200
0
1500 GeV
60.6 mrad
60.7 mrad
60.8 mrad
60.9 mrad
61.0 mrad
61.1 mrad
0
500
1000
1500
E_Reco[GeV]

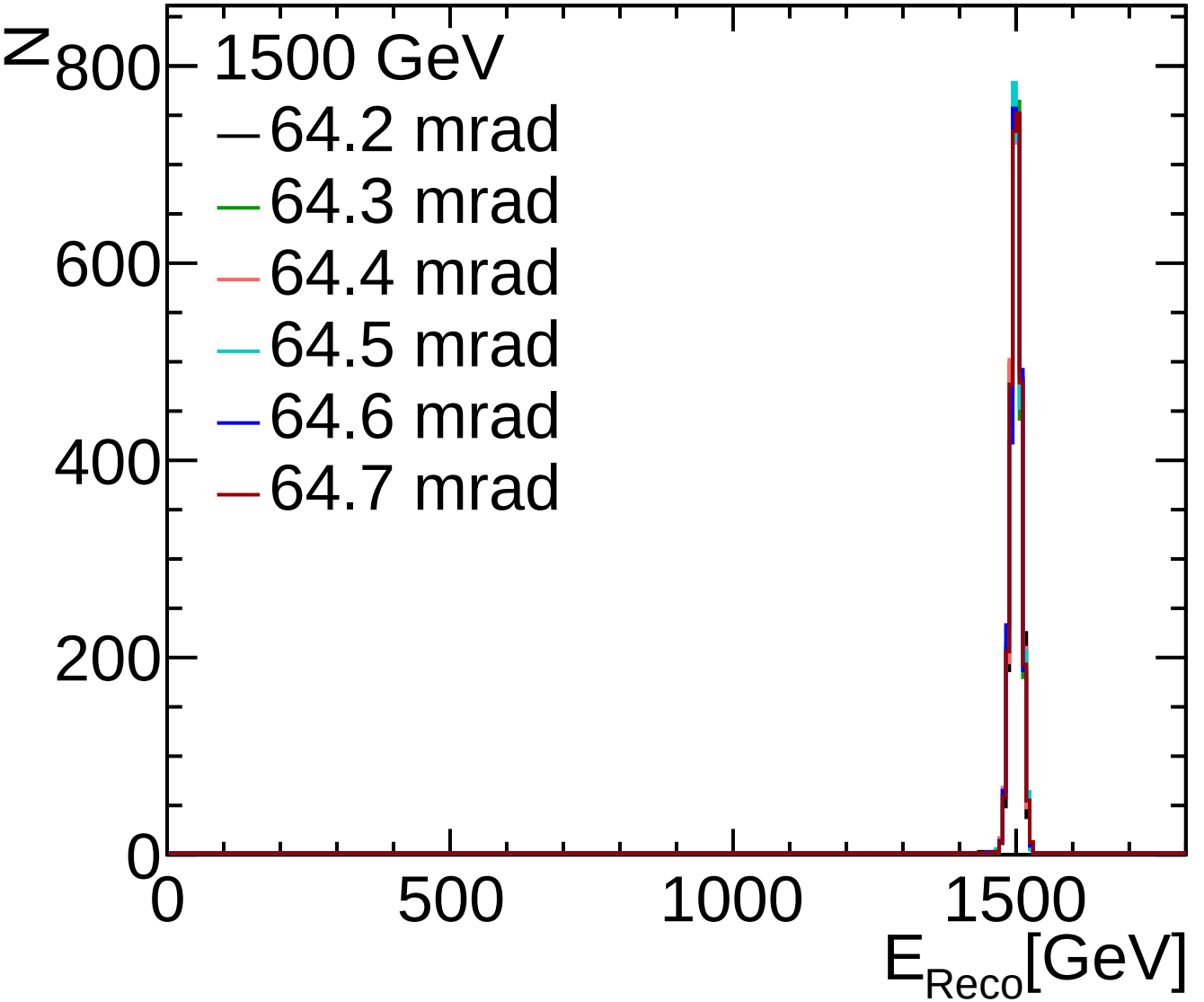

1500 GeV
61.2 mrad
61.3 mrad
61.4 mrad
61.5 mrad
61.6 mrad
61.7 mrad
N
800
600
400
200
0
0
500
1000
1500
E_Reco[GeV]

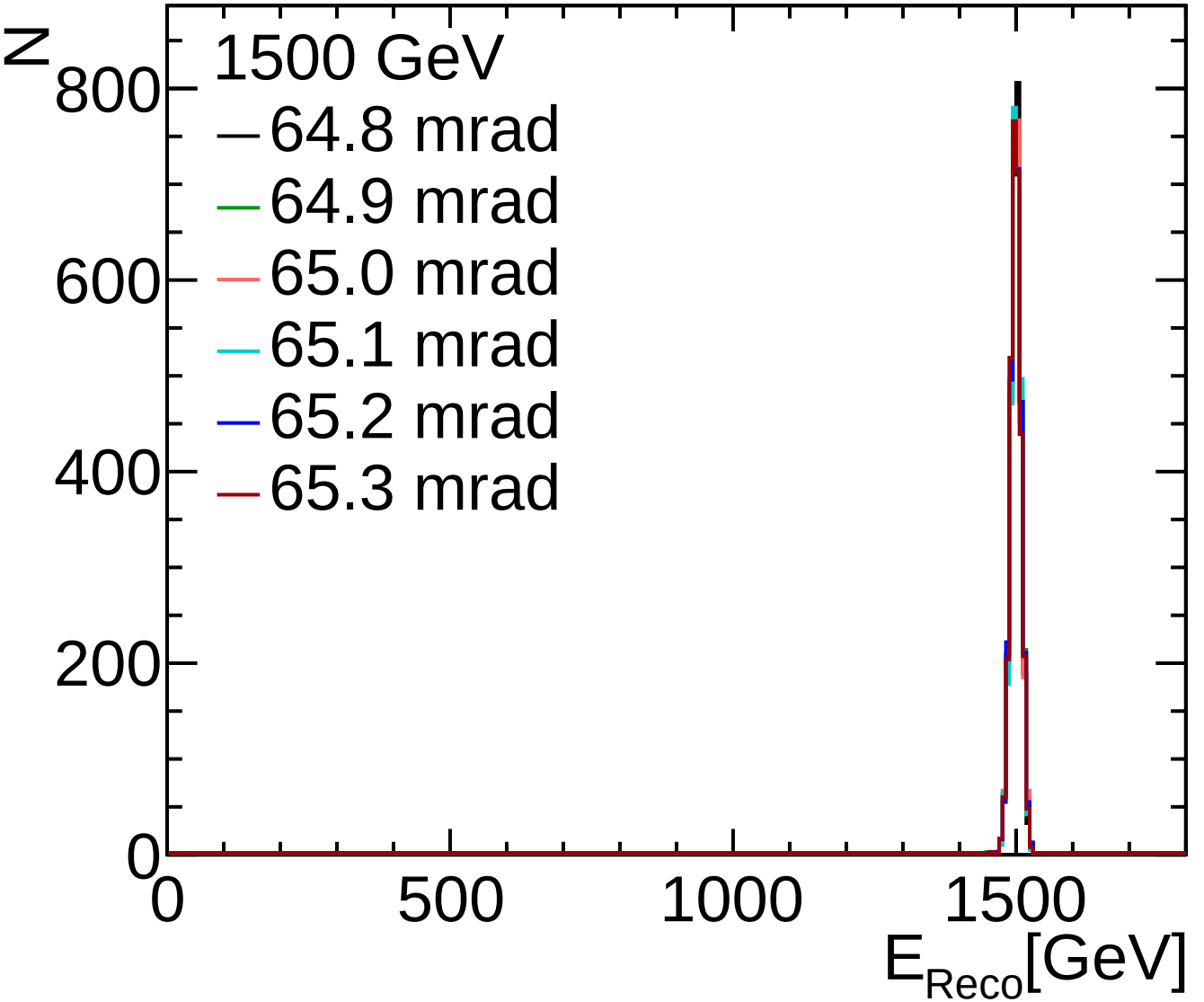

1500 GeV
61.8 mrad
61.9 mrad
62.0 mrad
62.1 mrad
62.2 mrad
62.3 mrad
N
800
600
400
200
0
0
500
1000
1500
E_Reco[GeV]

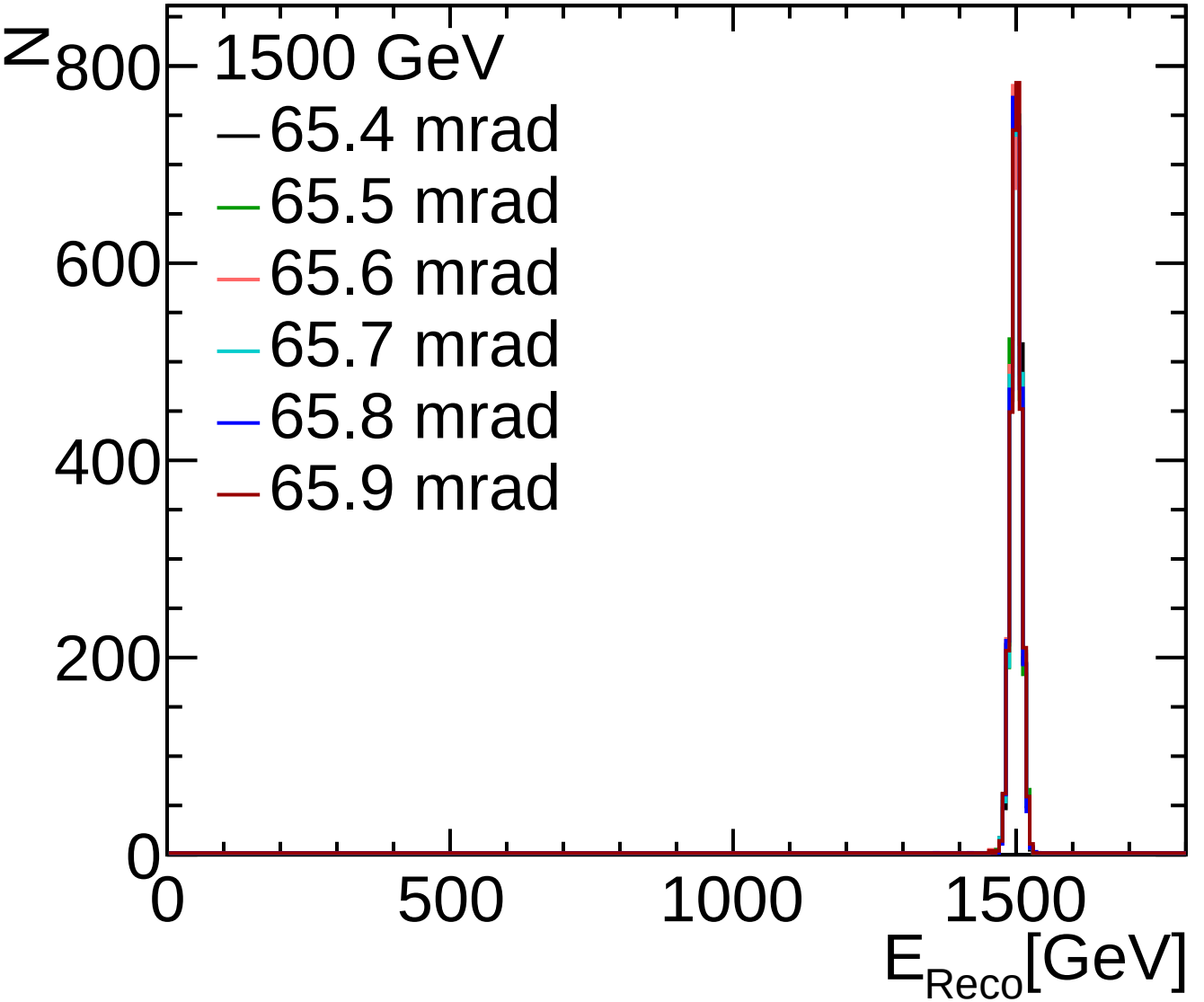

1500 GeV
62.4 mrad
62.5 mrad
62.6 mrad
62.7 mrad
62.8 mrad
62.9 mrad
N
800
600
400
200
0
0
500
1000
1500
E_Reco[GeV]

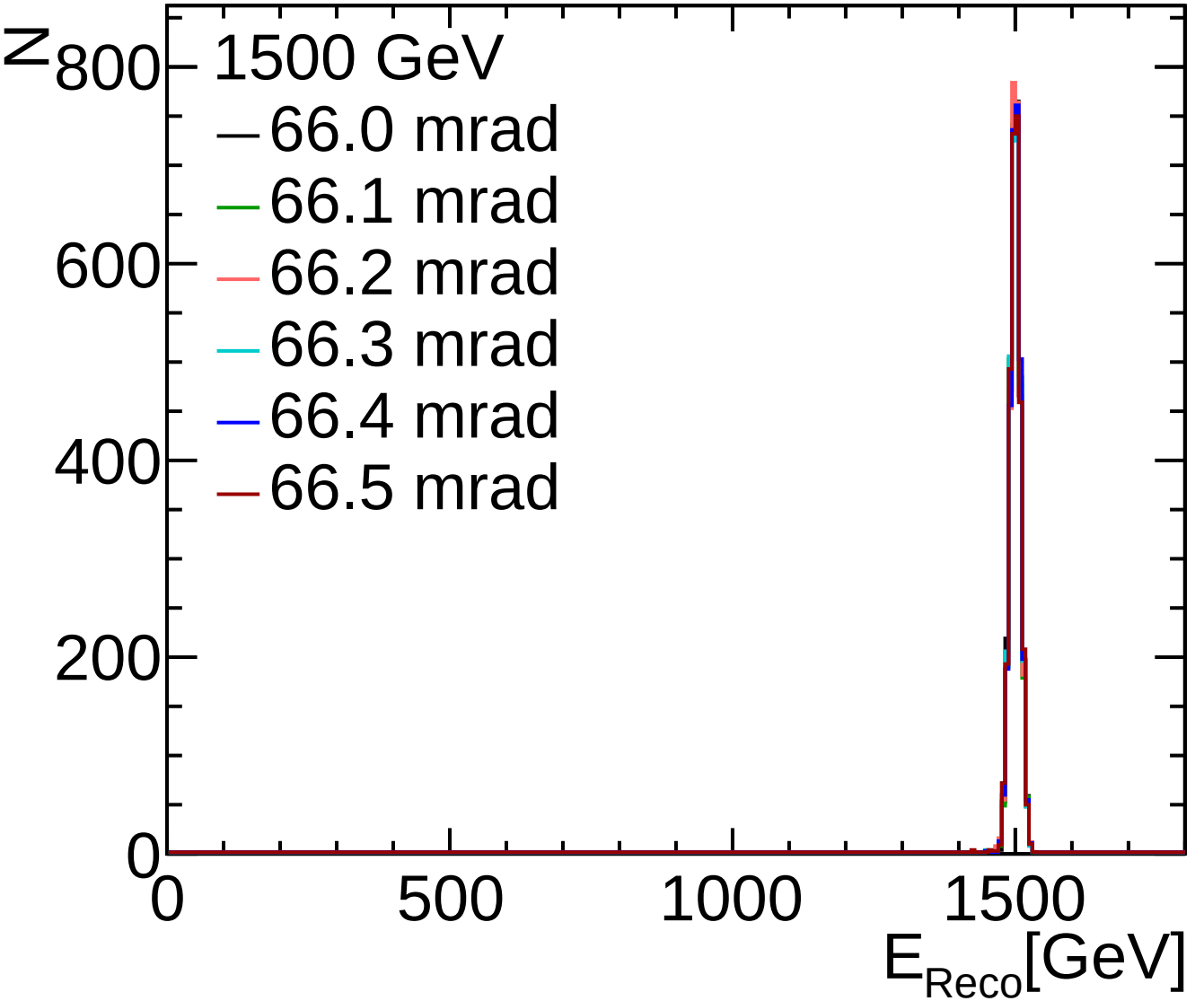

1500 GeV
63.0 mrad
63.1 mrad
63.2 mrad
63.3 mrad
63.4 mrad
63.5 mrad
N
800
600
400
200
0
0
500
1000
1500
E_Reco[GeV]

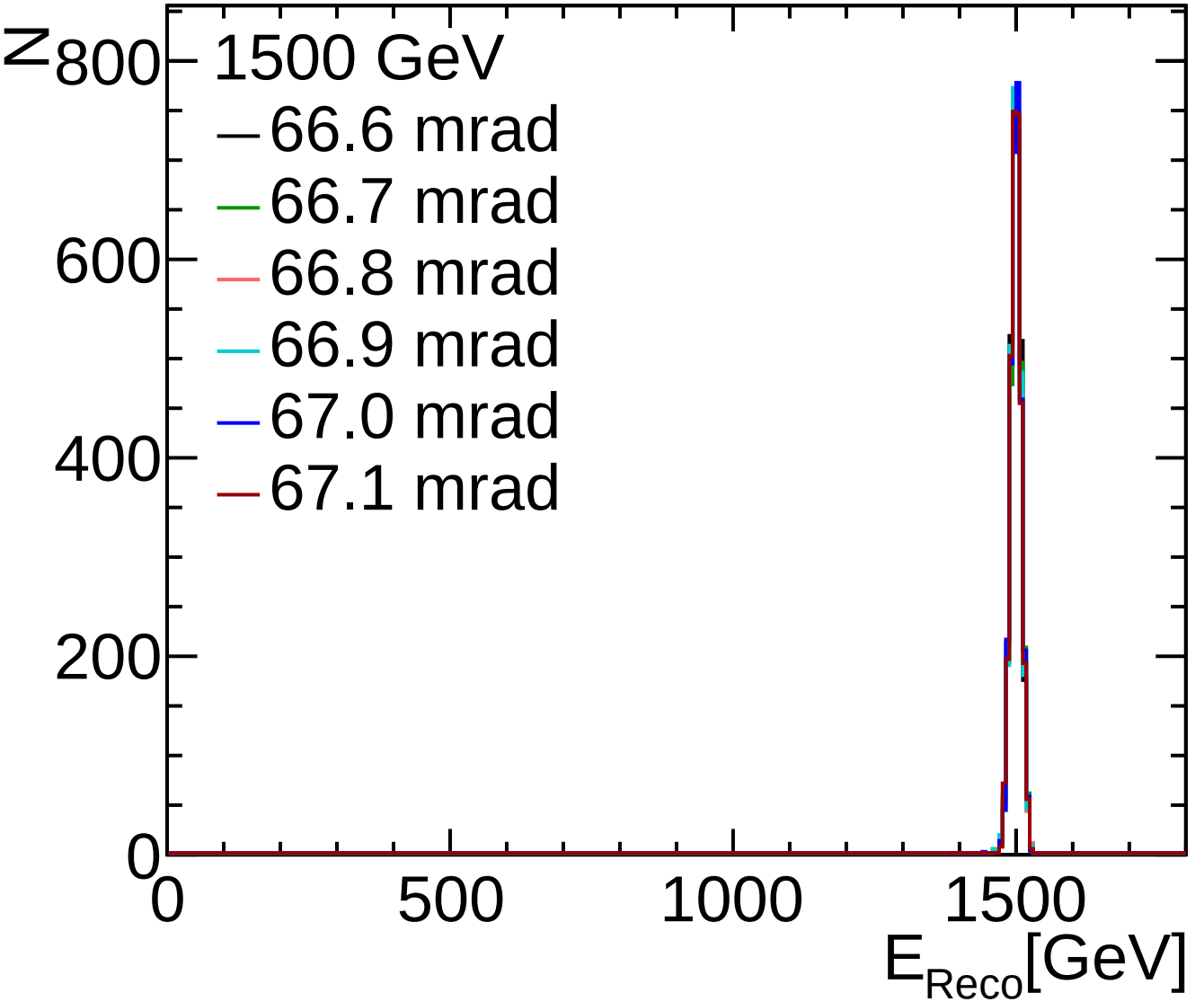

N
800
600
400
200
0
1500 GeV
63.6 mrad
63.7 mrad
63.8 mrad
63.9 mrad
64.0 mrad
64.1 mrad
0
500
1000
1500
E_Reco[GeV]

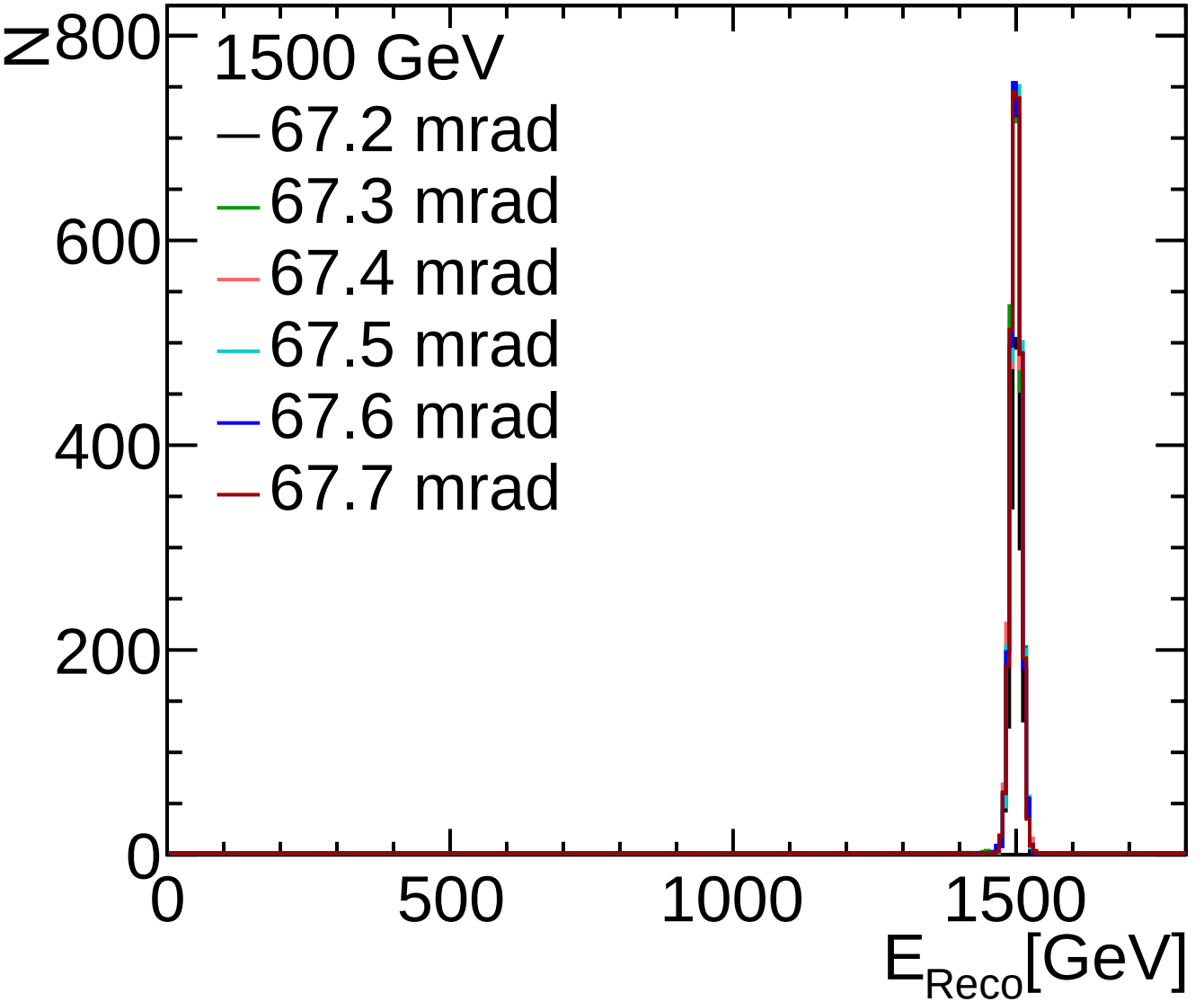

N
800
600
400
200
0
1500 GeV
64.2 mrad
64.3 mrad
64.4 mrad
64.5 mrad
64.6 mrad
64.7 mrad
0
500
1000
1500
E_Reco[GeV]

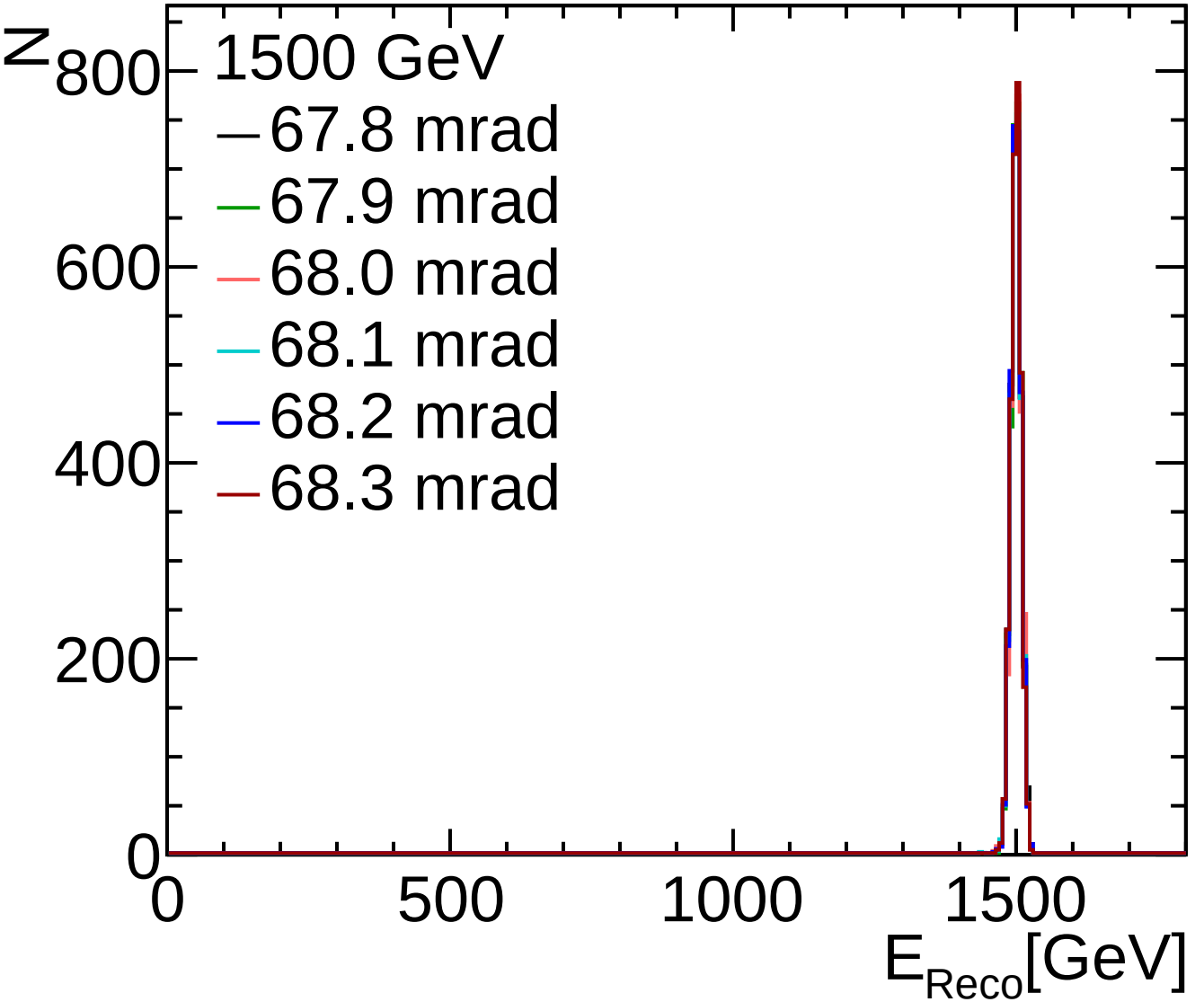

1500 GeV
64.8 mrad
64.9 mrad
65.0 mrad
65.1 mrad
65.2 mrad
65.3 mrad
N
800
600
400
200
0
0
500
1000
1500
E_Reco[GeV]


1500 GeV
65.4 mrad
65.5 mrad
65.6 mrad
65.7 mrad
65.8 mrad
65.9 mrad
N
800
600
400
200
0
0
500
1000
1500
E_Reco[GeV]


N
800
600
400
200
0
1500 GeV
66.0 mrad
66.1 mrad
66.2 mrad
66.3 mrad
66.4 mrad
66.5 mrad
0
500
1000
1500
E_Reco[GeV]


N
800
600
400
200
0
1500 GeV
66.6 mrad
66.7 mrad
66.8 mrad
66.9 mrad
67.0 mrad
67.1 mrad
0
500
1000
1500
E_Reco[GeV]


1500 GeV
67.2 mrad
67.3 mrad
67.4 mrad
67.5 mrad
67.6 mrad
67.7 mrad
N
800
600
400
200
0
0
500
1000
1500
E_Reco[GeV]


N
800
600
400
200
0
1500 GeV
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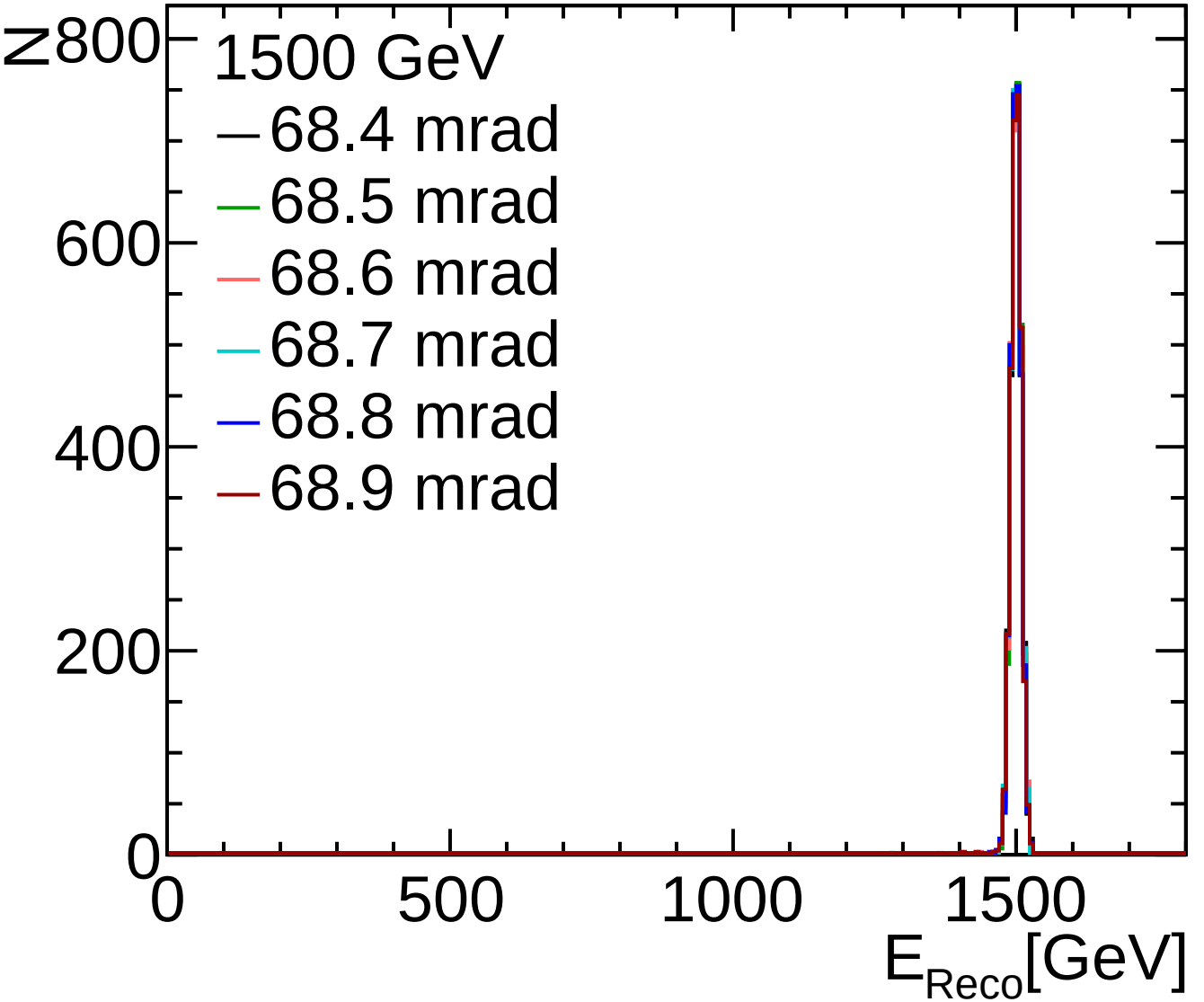
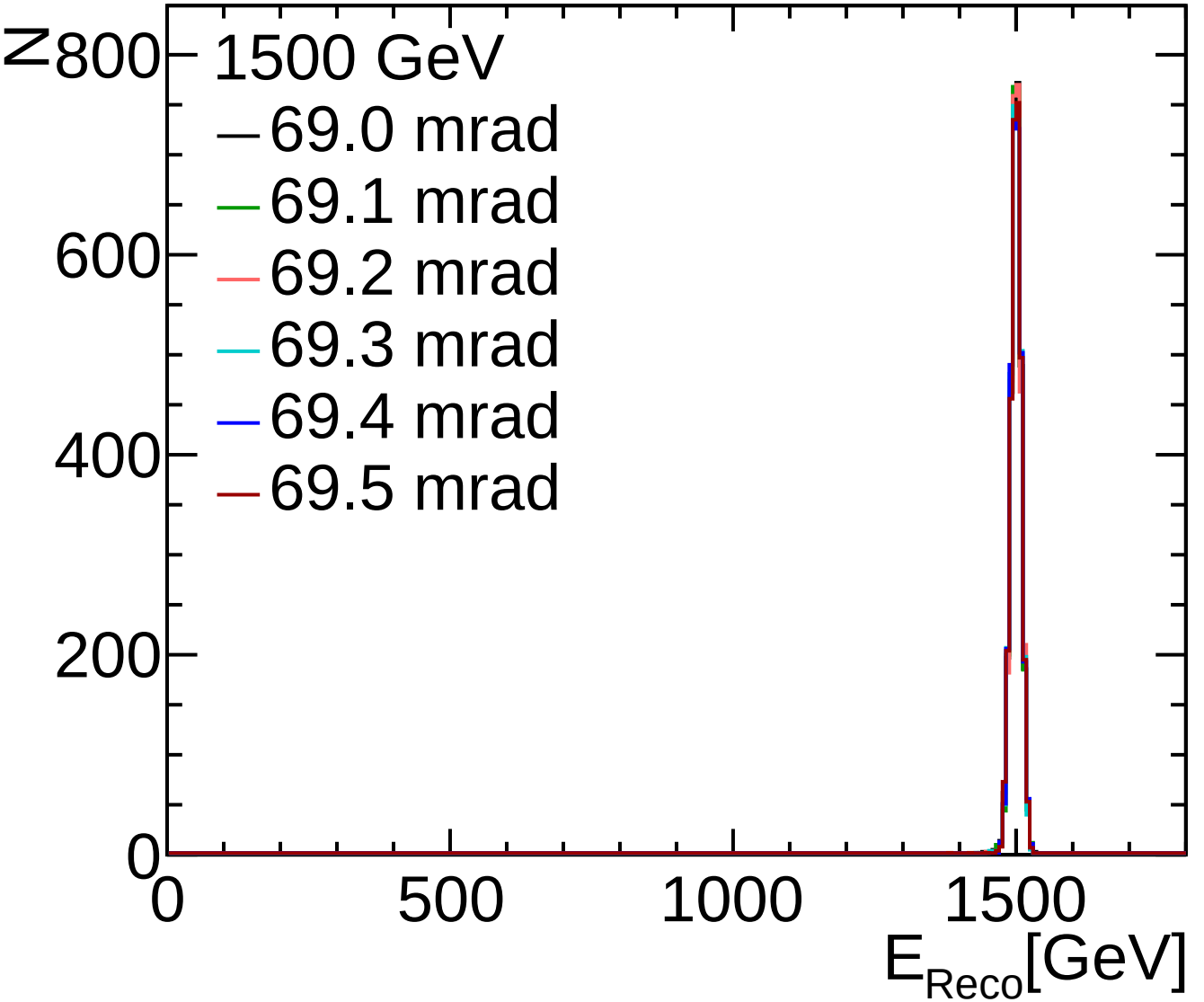
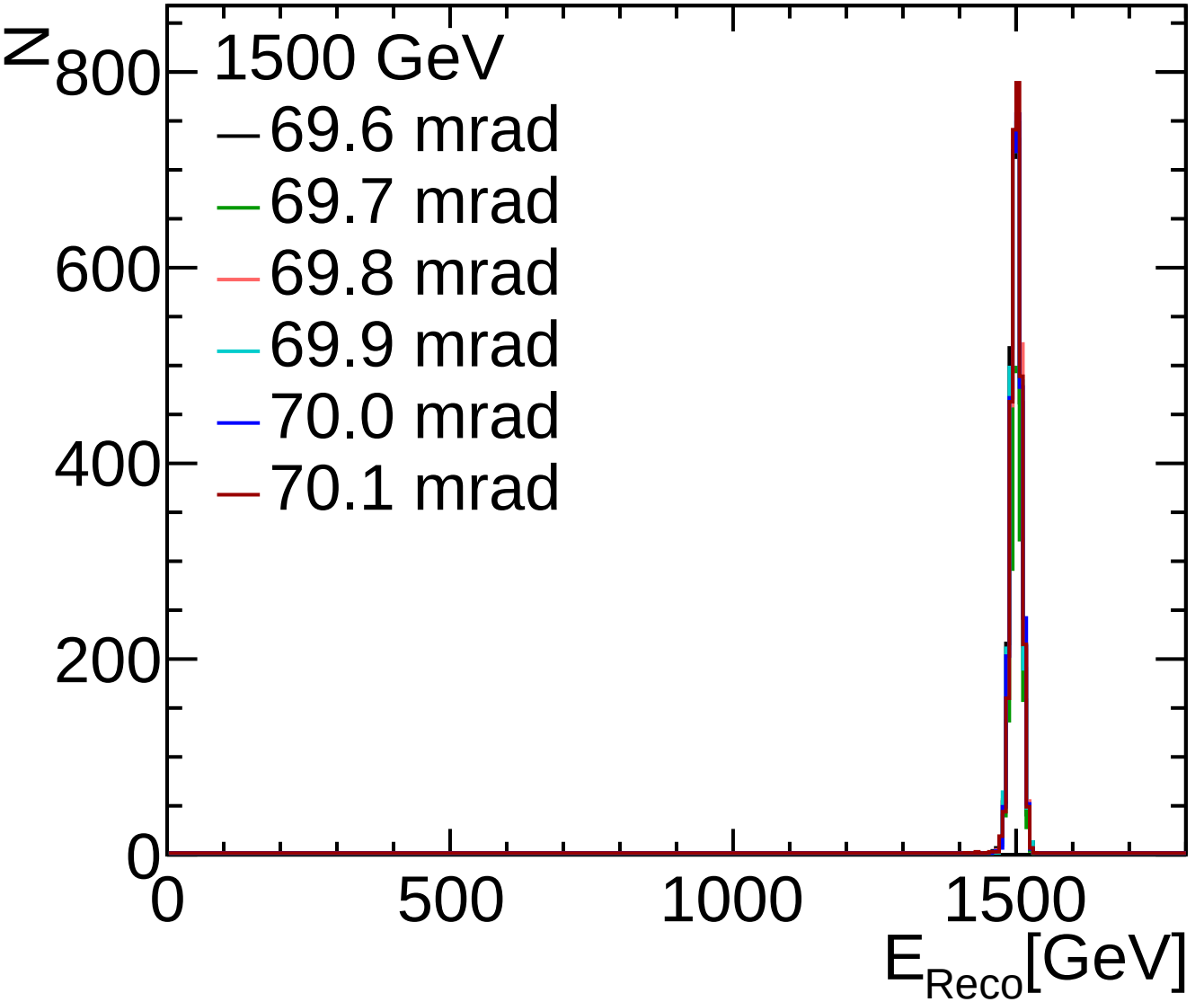
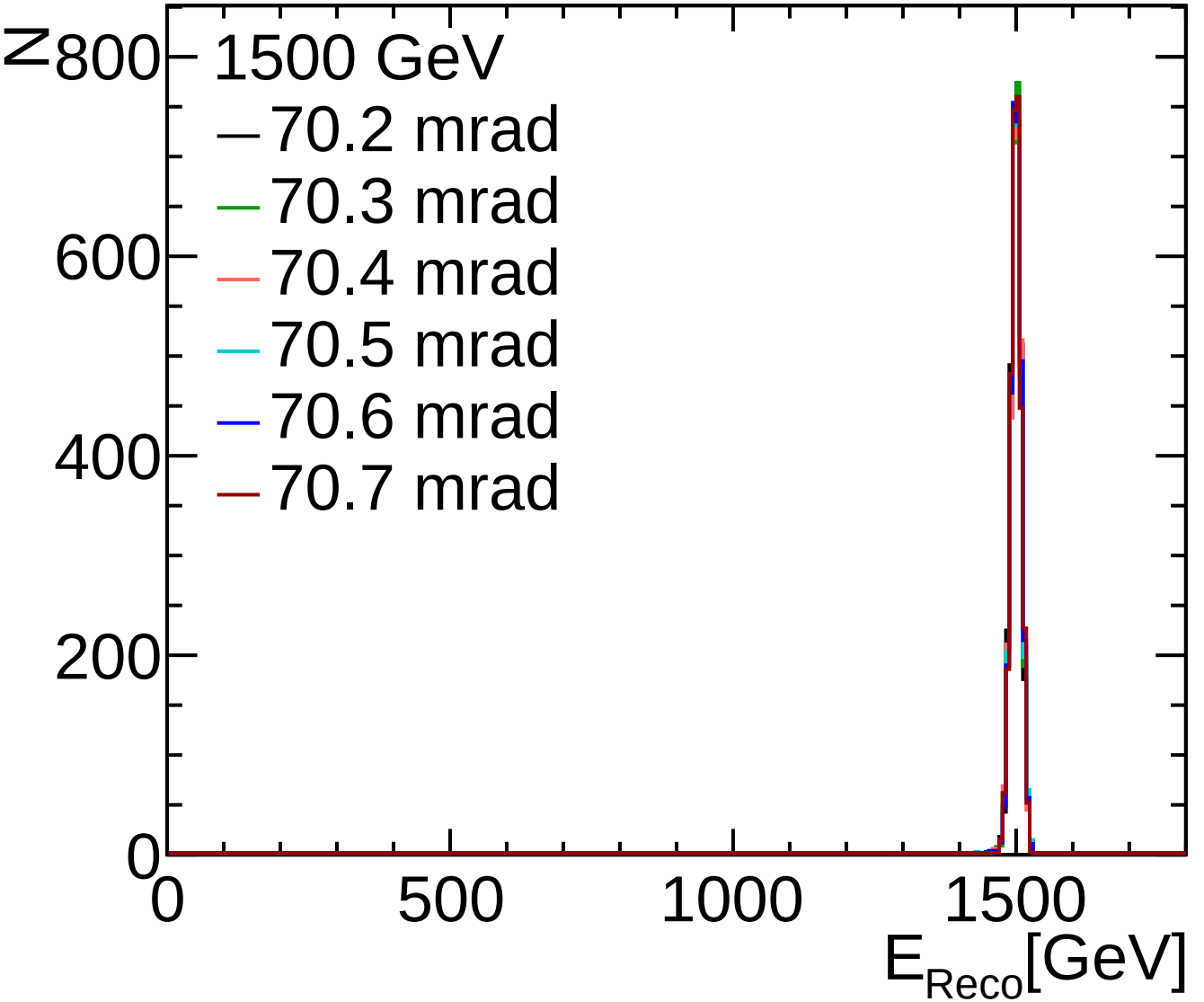
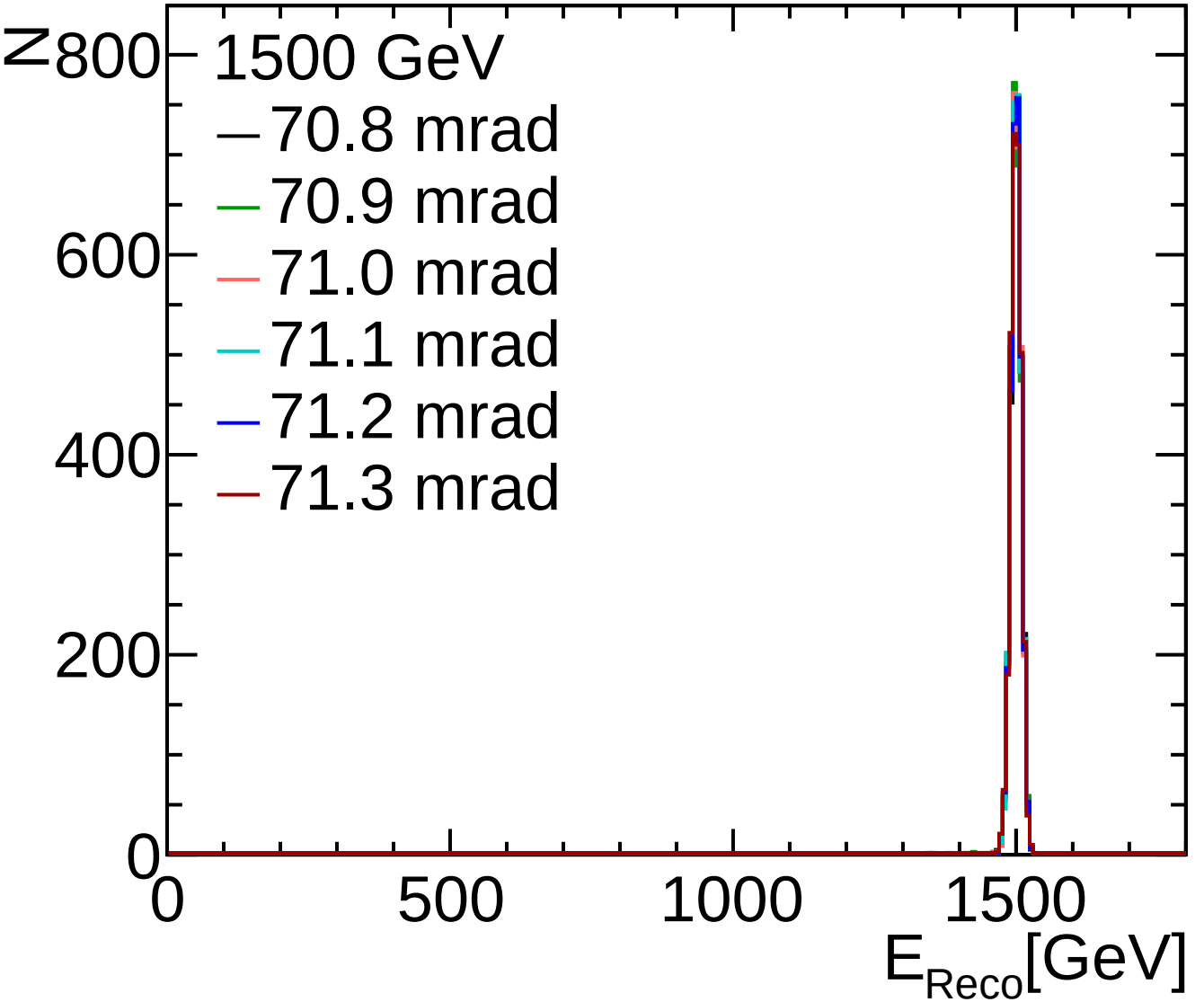
67.9 mrad
68.0 mrad
68.1 mrad
68.2 mrad
68.3 mrad
0
500
1000
1500
E_Reco[GeV]

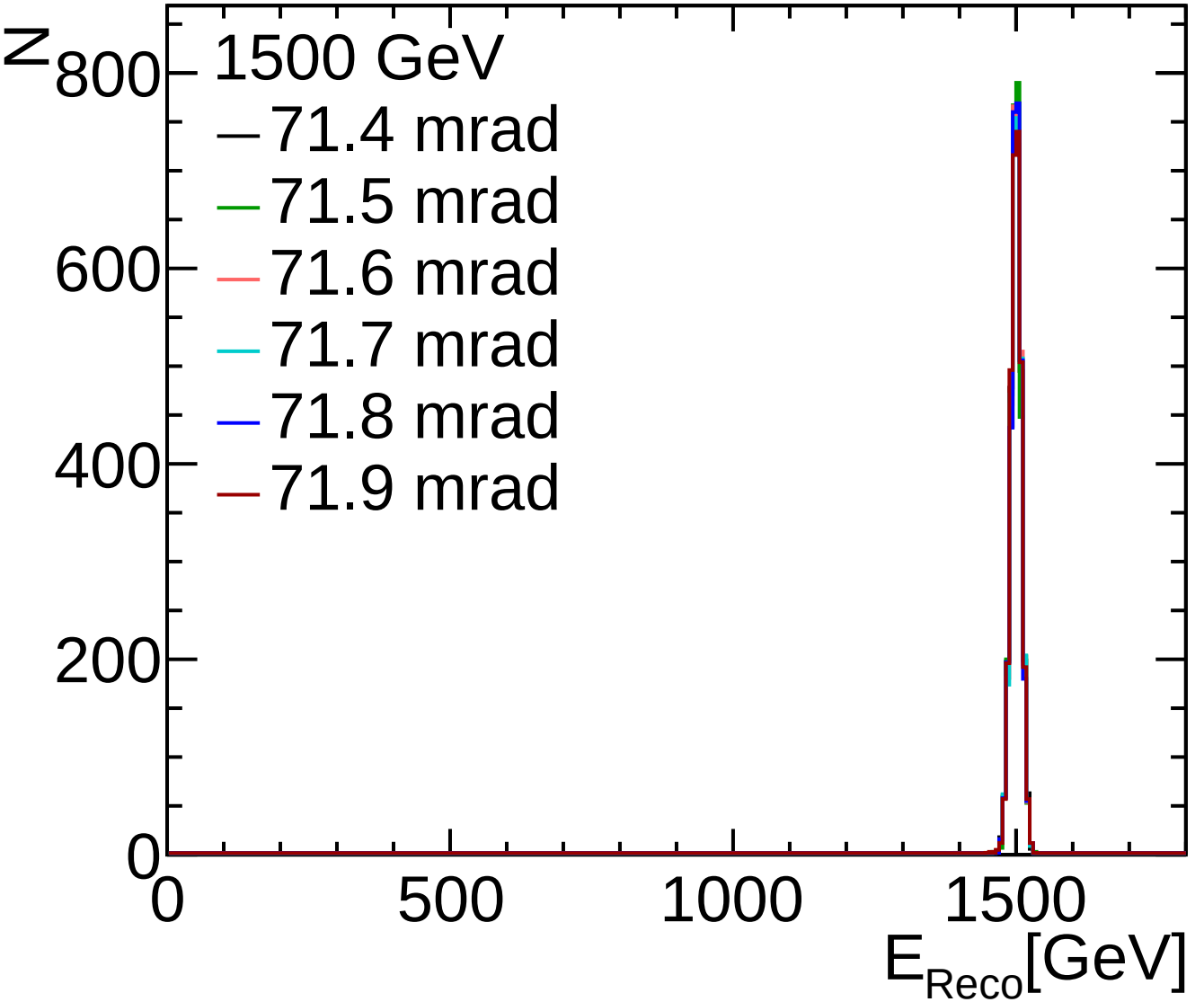

1500 GeV
68.4 mrad
68.5 mrad
68.6 mrad
68.7 mrad
68.8 mrad
68.9 mrad
N
800
600
400
200
0
0
500
1000
1500
E_Reco[GeV]

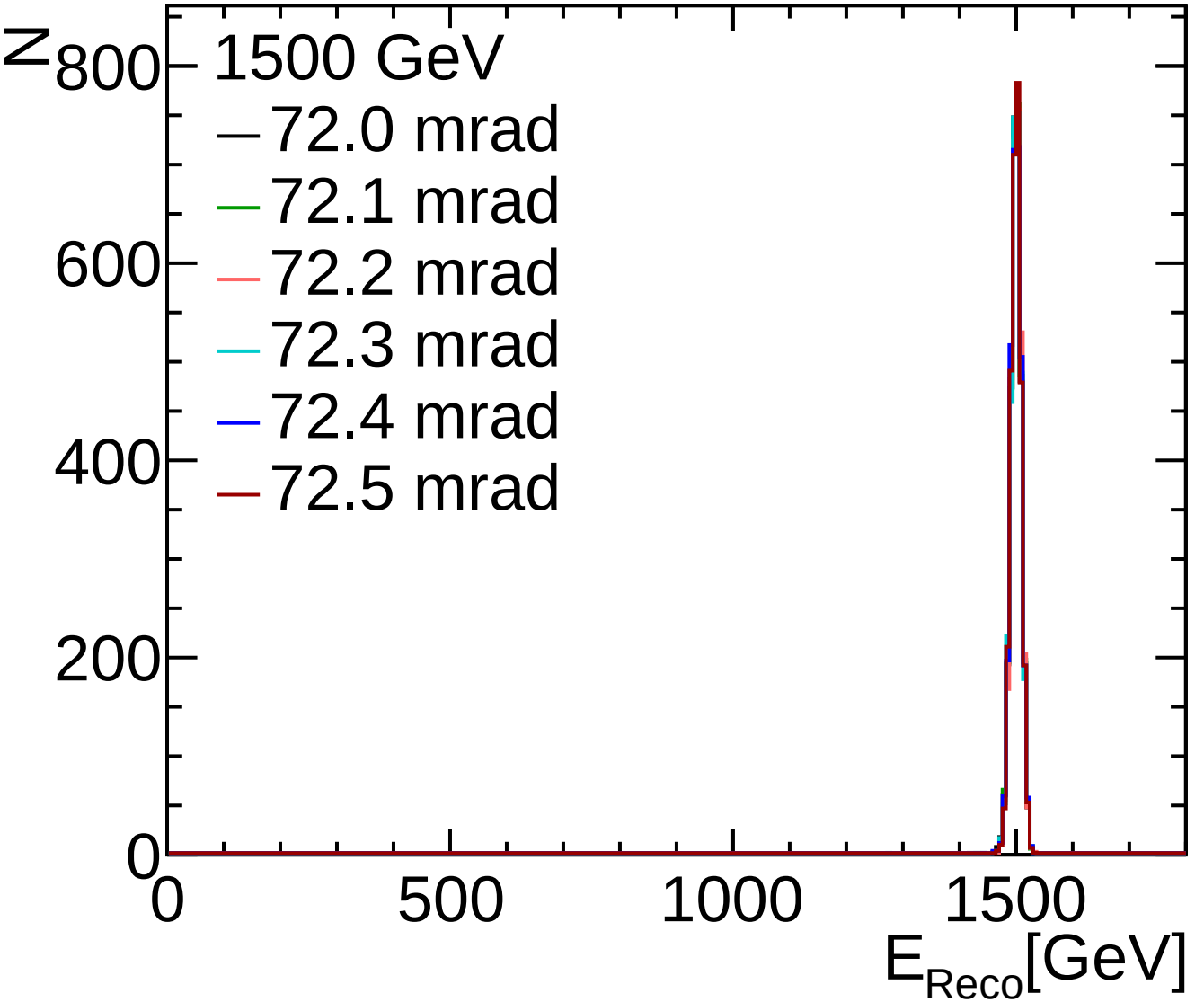

1500 GeV
69.0 mrad
69.1 mrad
69.2 mrad
69.3 mrad
69.4 mrad
69.5 mrad
N
800
600
400
200
0
0
500
1000
1500
E_Reco[GeV]

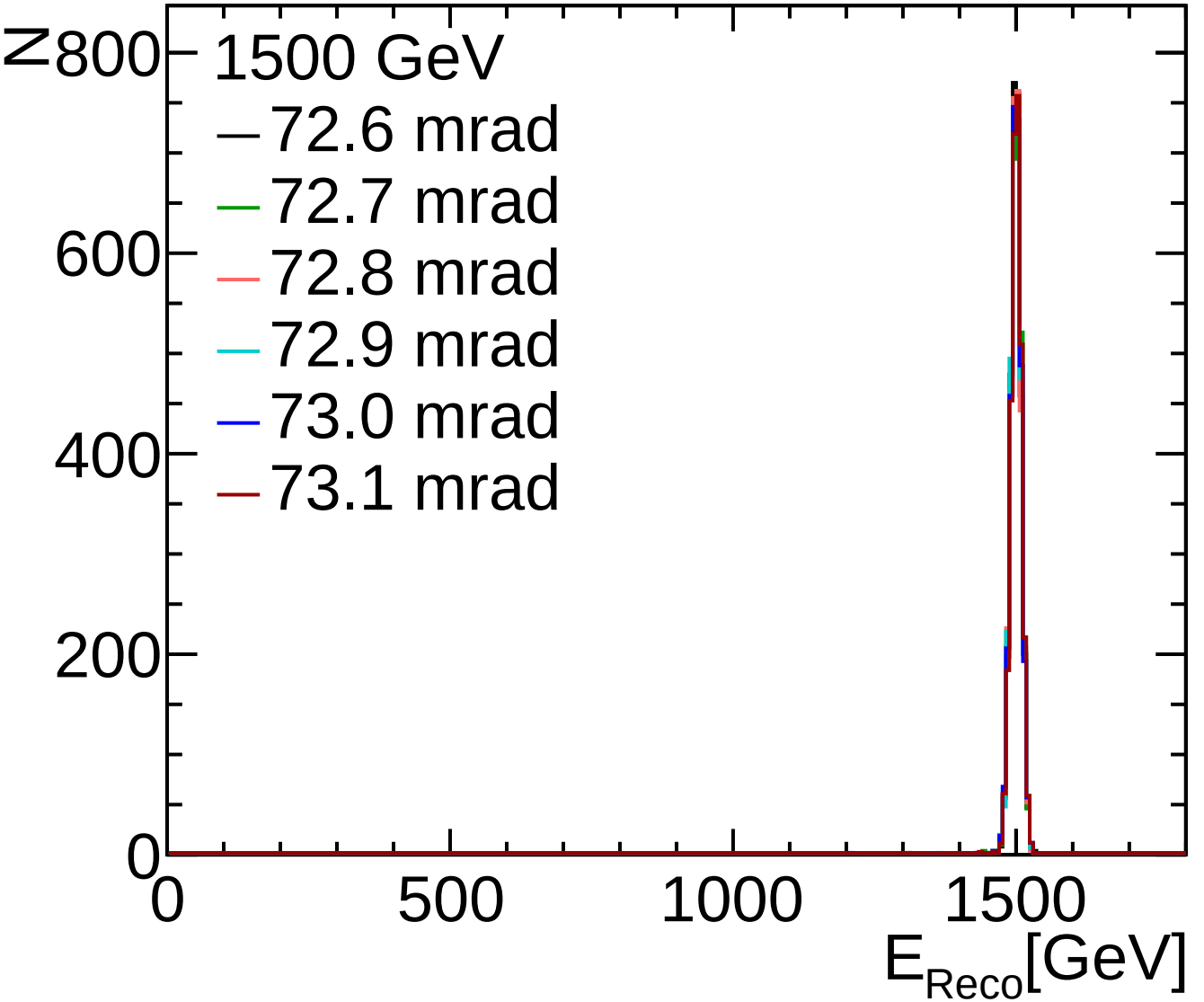

N
800
600
400
200
0
1500 GeV
69.6 mrad
69.7 mrad
69.8 mrad
69.9 mrad
70.0 mrad
70.1 mrad
0
500
1000
1500
E_Reco[GeV]

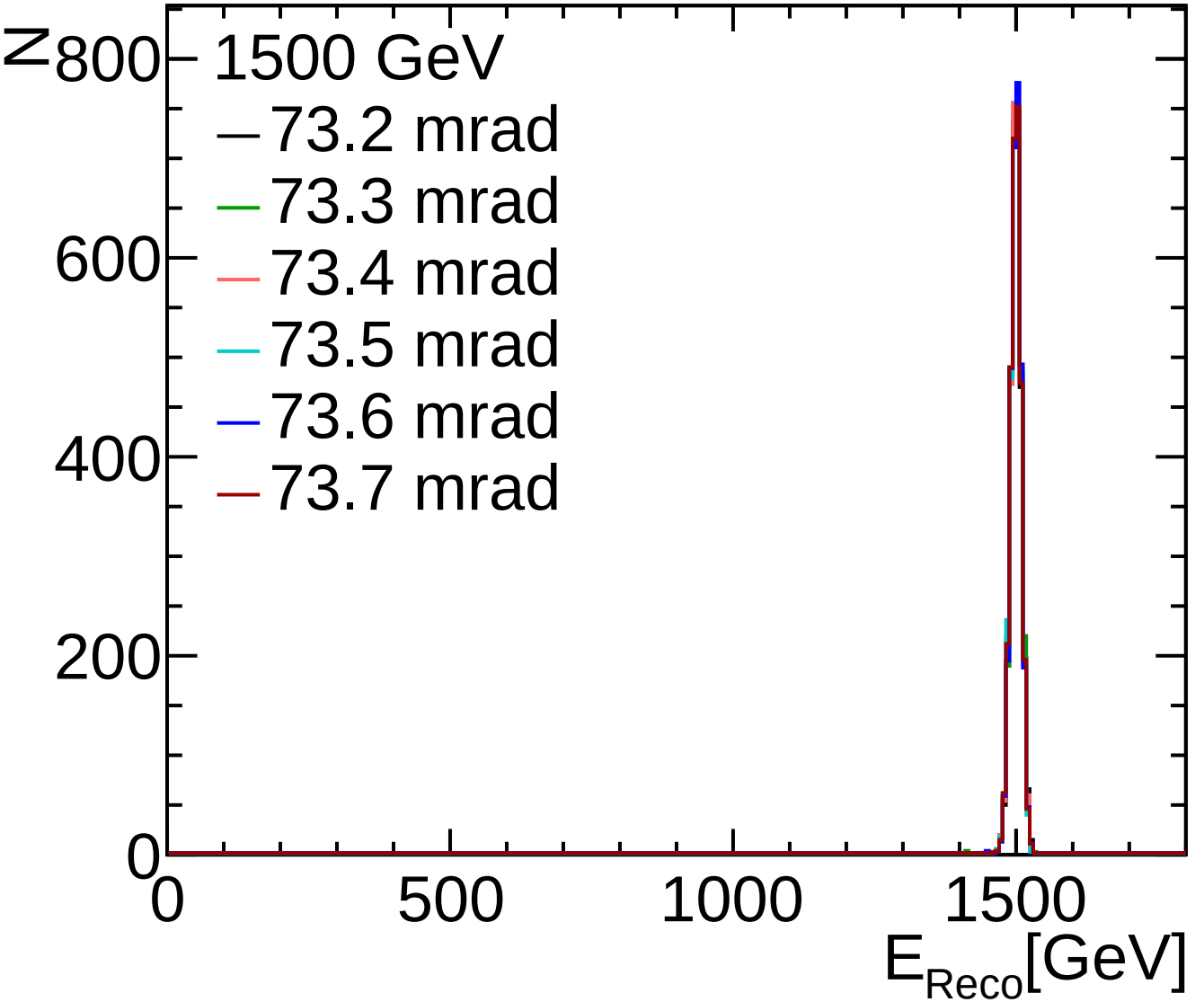

N
800
600
400
200
0
1500 GeV
70.2 mrad
70.3 mrad
70.4 mrad
70.5 mrad
70.6 mrad
70.7 mrad
0
500
1000
1500
E_Reco[GeV]

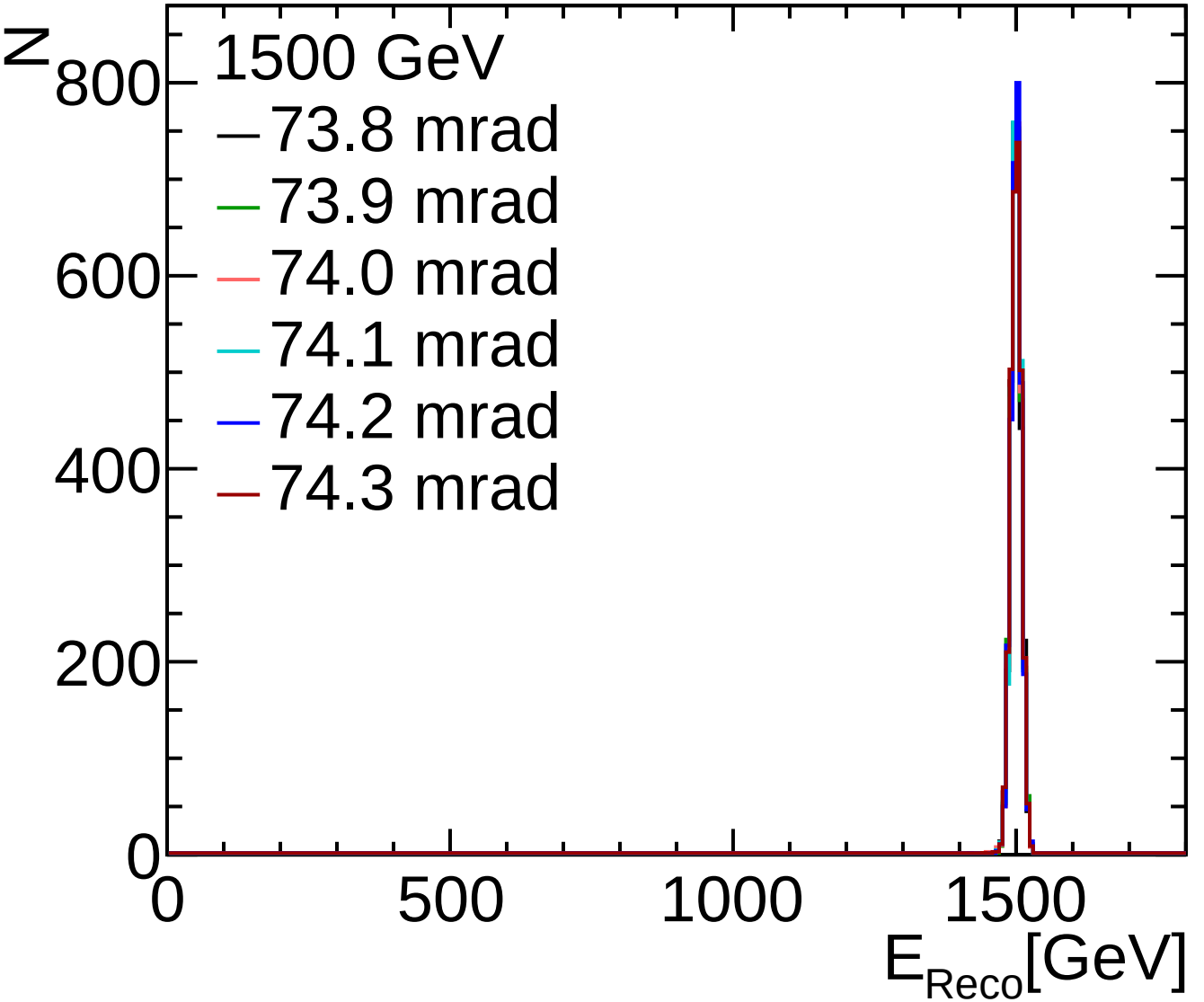

1500 GeV
70.8 mrad
70.9 mrad
71.0 mrad
71.1 mrad
71.2 mrad
71.3 mrad
N
800
600
400
200
0
0
500
1000
1500
E_Reco[GeV]

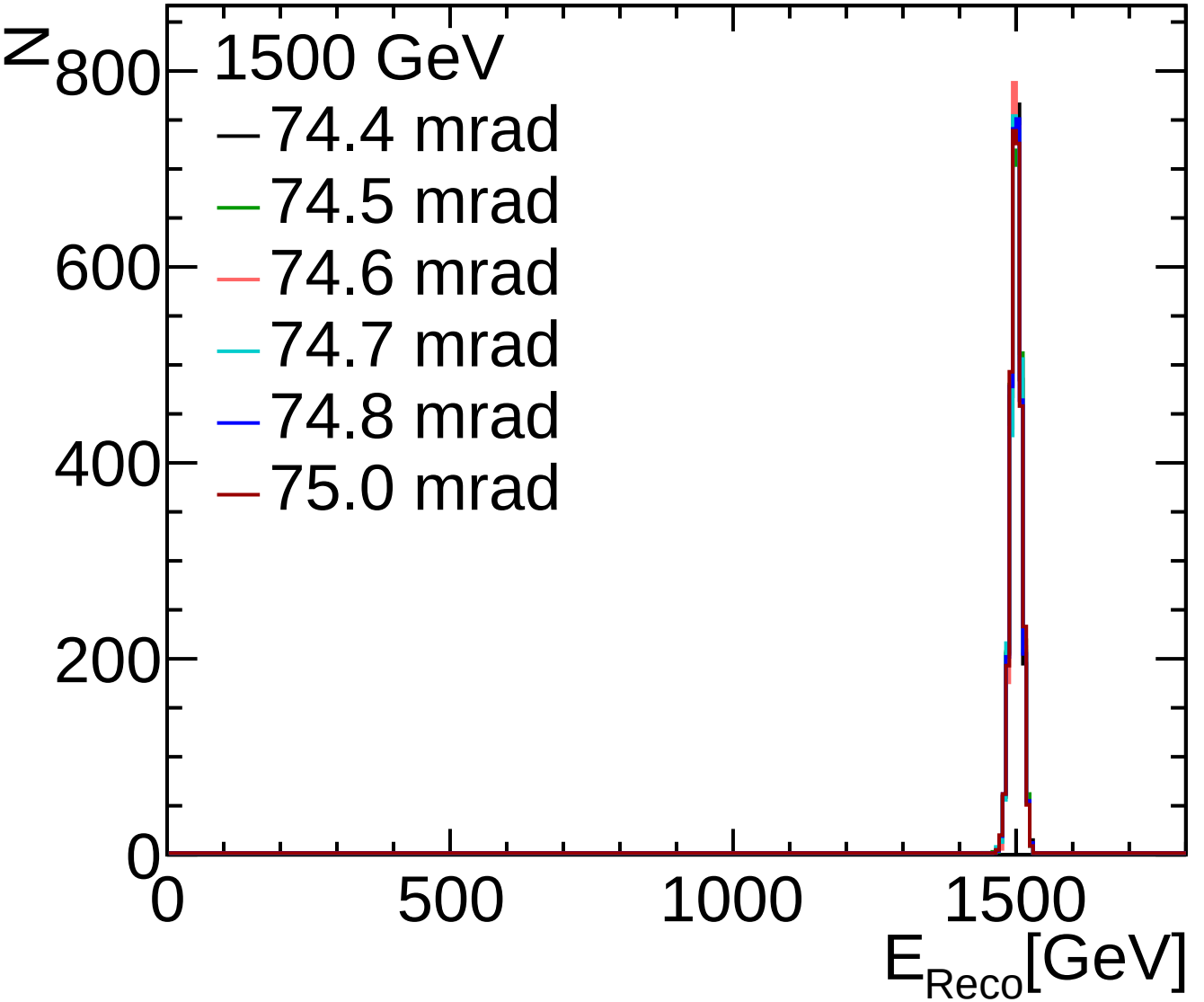

1500 GeV
71.4 mrad
71.5 mrad
71.6 mrad
71.7 mrad
71.8 mrad
71.9 mrad
N
800
600
400
200
0
0
500
1000
1500
E_Reco[GeV]

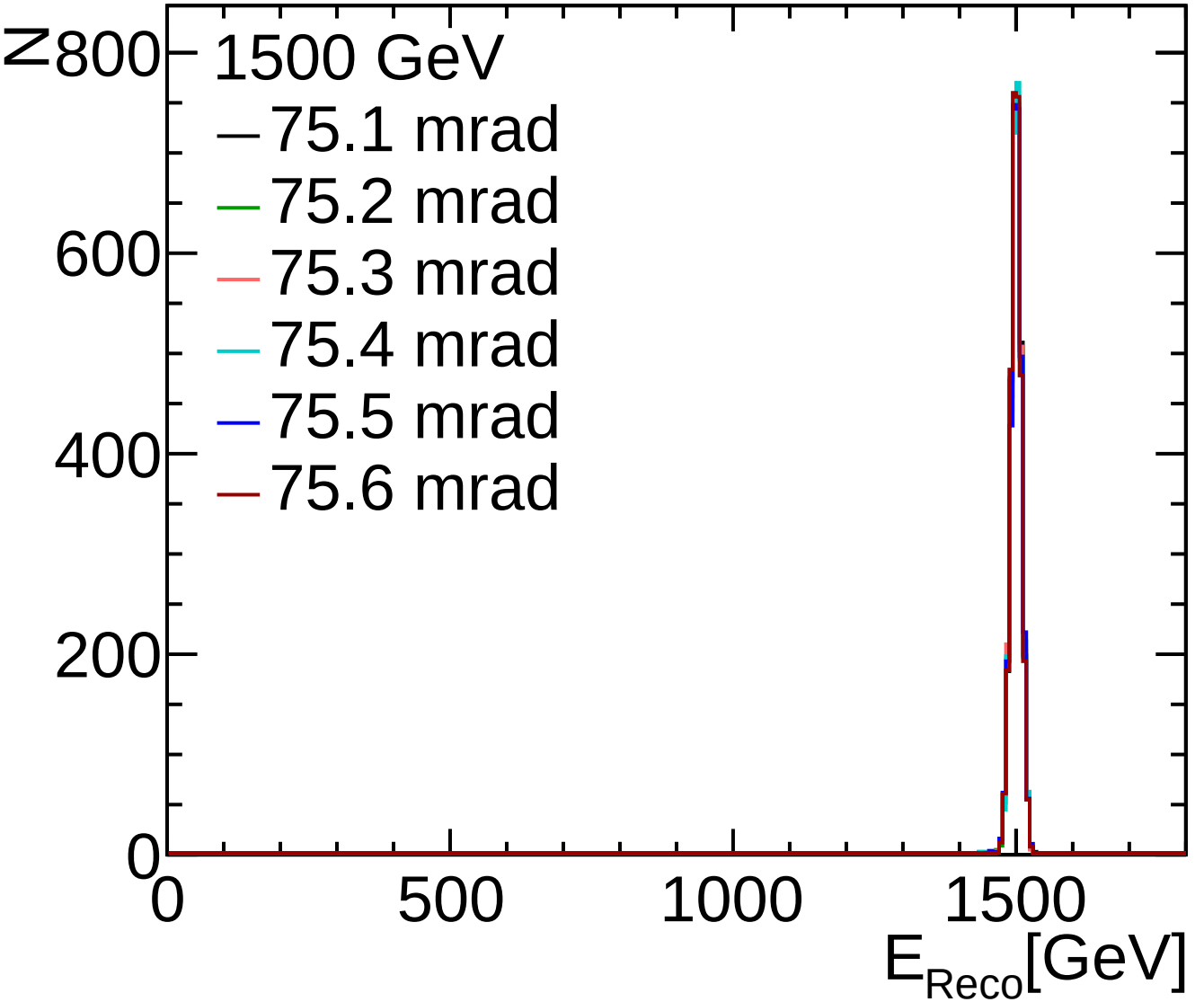

1500 GeV
72.0 mrad
72.1 mrad
72.2 mrad
72.3 mrad
72.4 mrad
72.5 mrad
N
800
600
400
200
0
0
500
1000
1500
E_Reco[GeV]

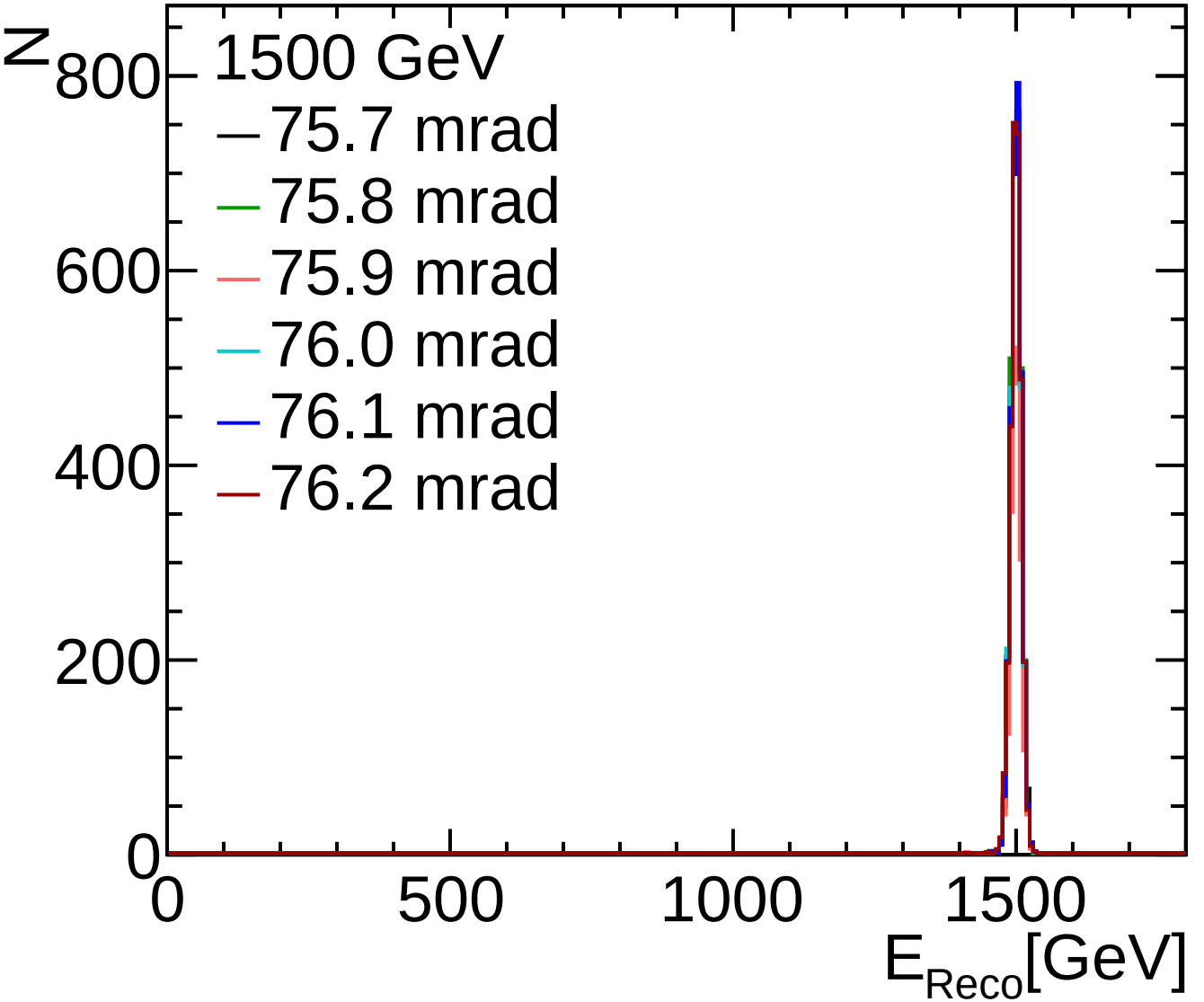

1500 GeV
72.6 mrad
72.7 mrad
72.8 mrad
72.9 mrad
73.0 mrad
73.1 mrad
N
800
600
400
200
0
0
500
1000
1500
E_Reco[GeV]

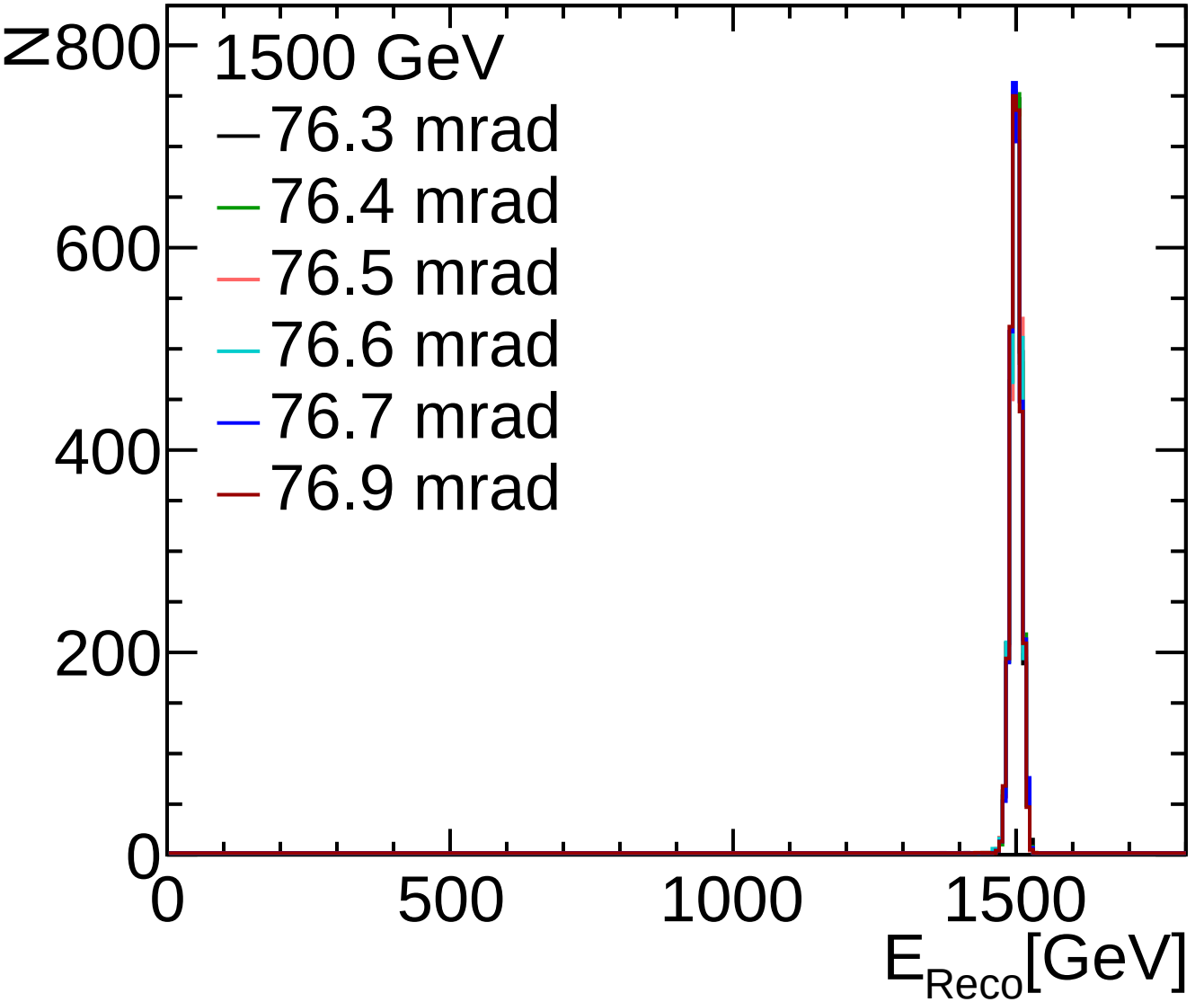

N
800
600
400
200
0
1500 GeV
73.2 mrad
73.3 mrad
73.4 mrad
73.5 mrad
73.6 mrad
73.7 mrad
0
500
1000
1500
E_Reco[GeV]

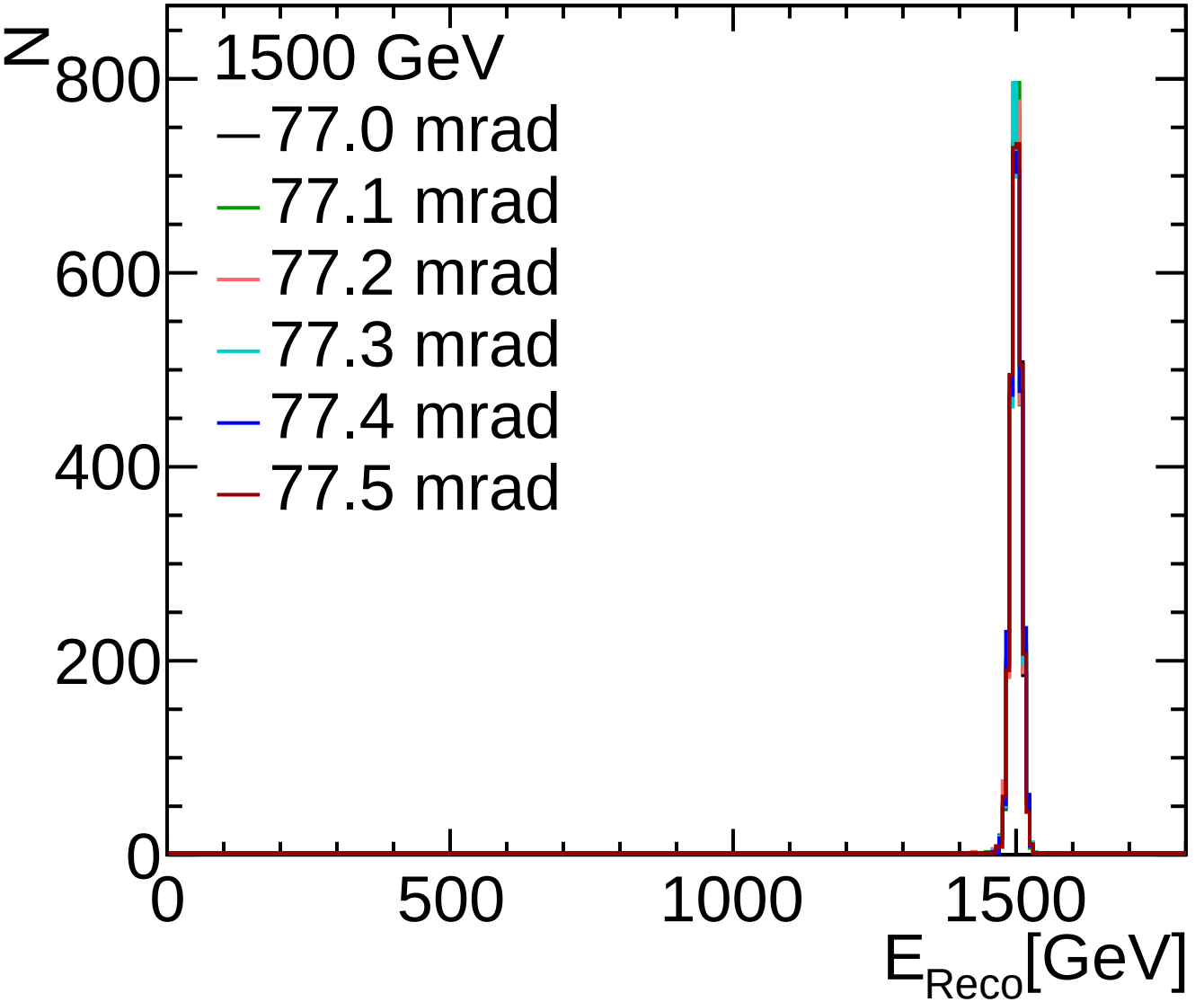

1500 GeV
73.8 mrad
73.9 mrad
74.0 mrad
74.1 mrad
74.2 mrad
74.3 mrad
N
800
600
400
200
0
0
500
1000
1500
E_Reco[GeV]

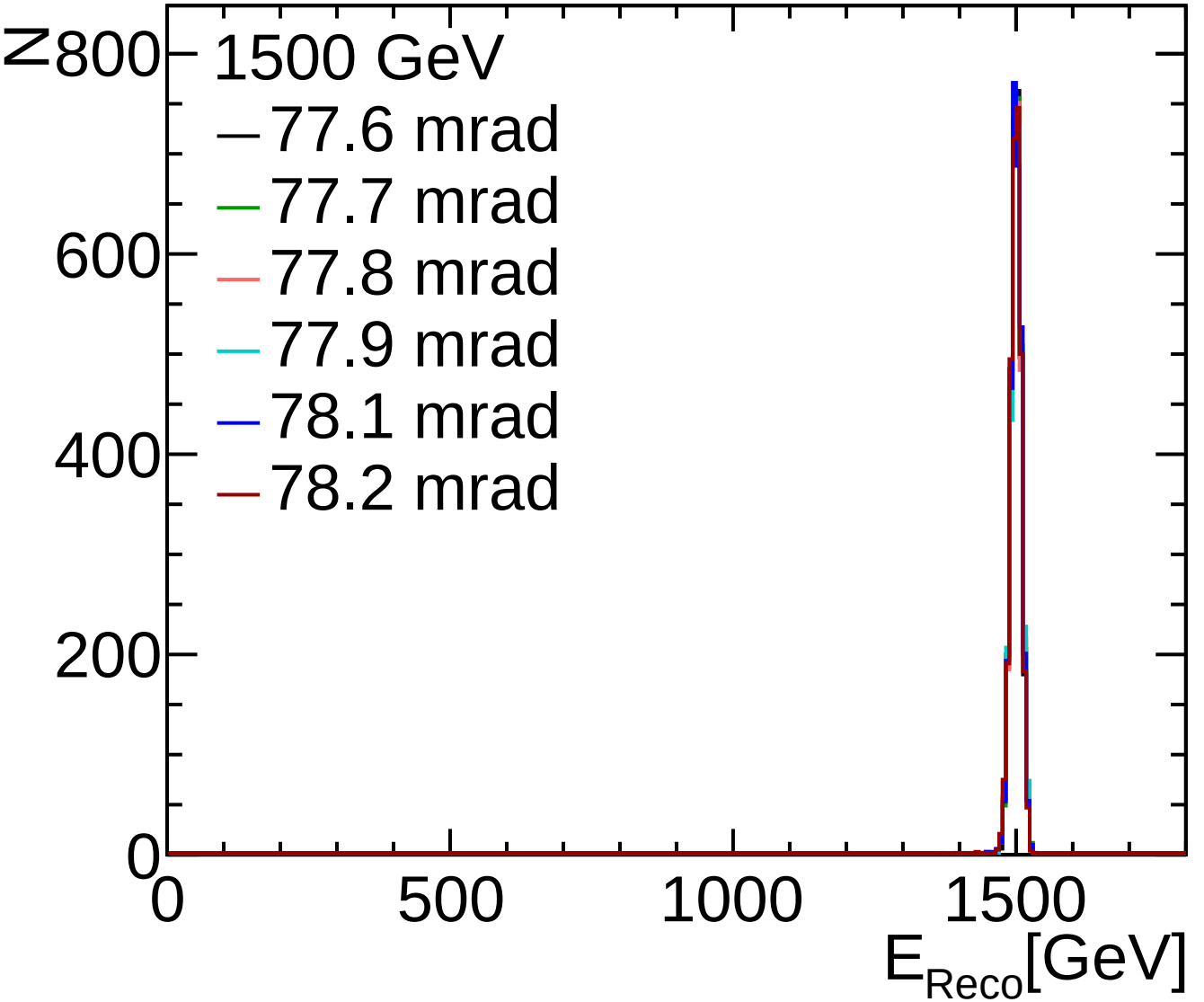

1500 GeV
74.4 mrad
74.5 mrad
74.6 mrad
74.7 mrad
74.8 mrad
75.0 mrad
N
800
600
400
200
0
0
500
1000
1500
E_Reco[GeV]

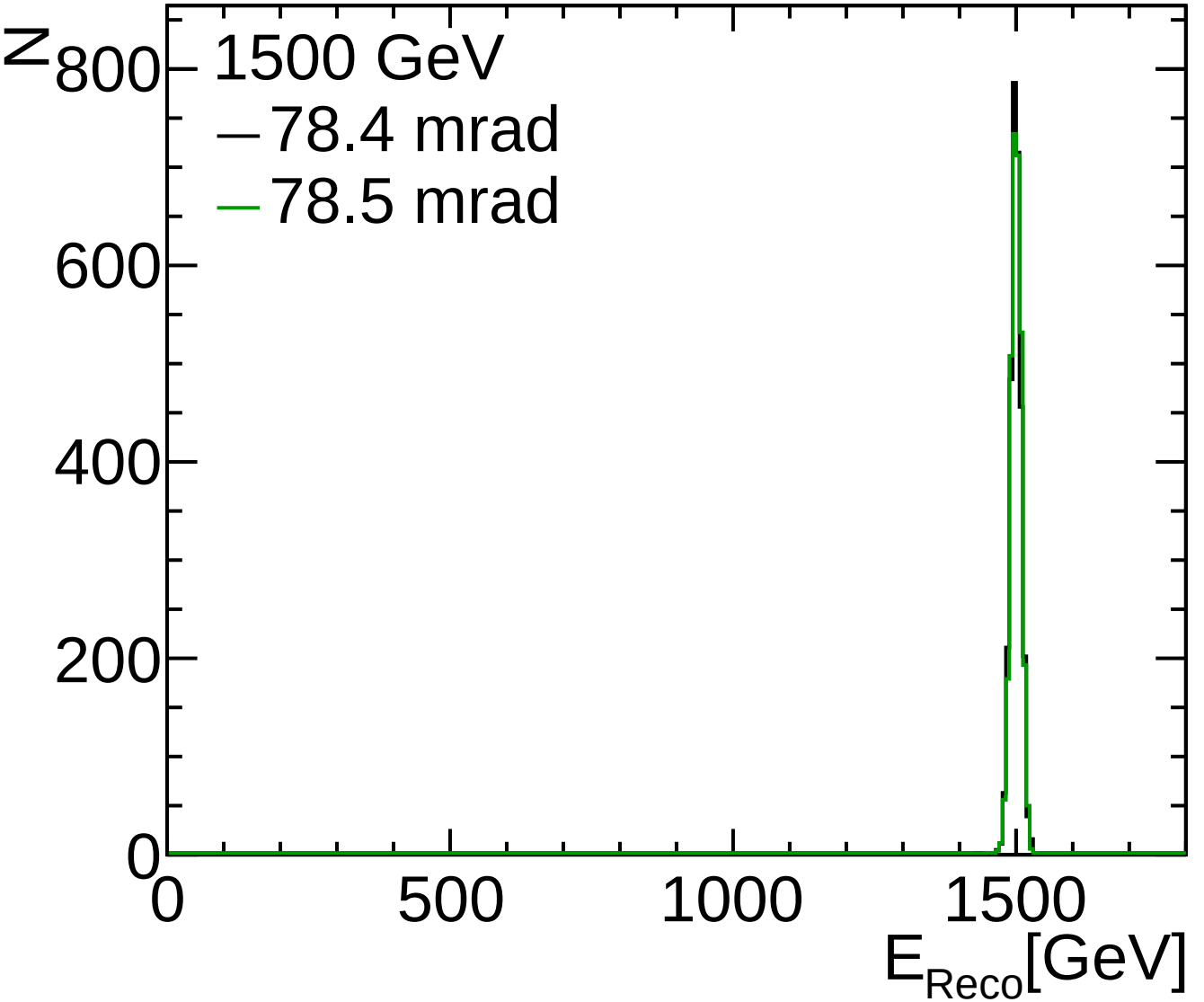

1500 GeV
75.1 mrad
75.2 mrad
75.3 mrad
75.4 mrad
75.5 mrad
75.6 mrad
N
800
600
400
200
0
0
500
1000
1500
E_Reco[GeV]

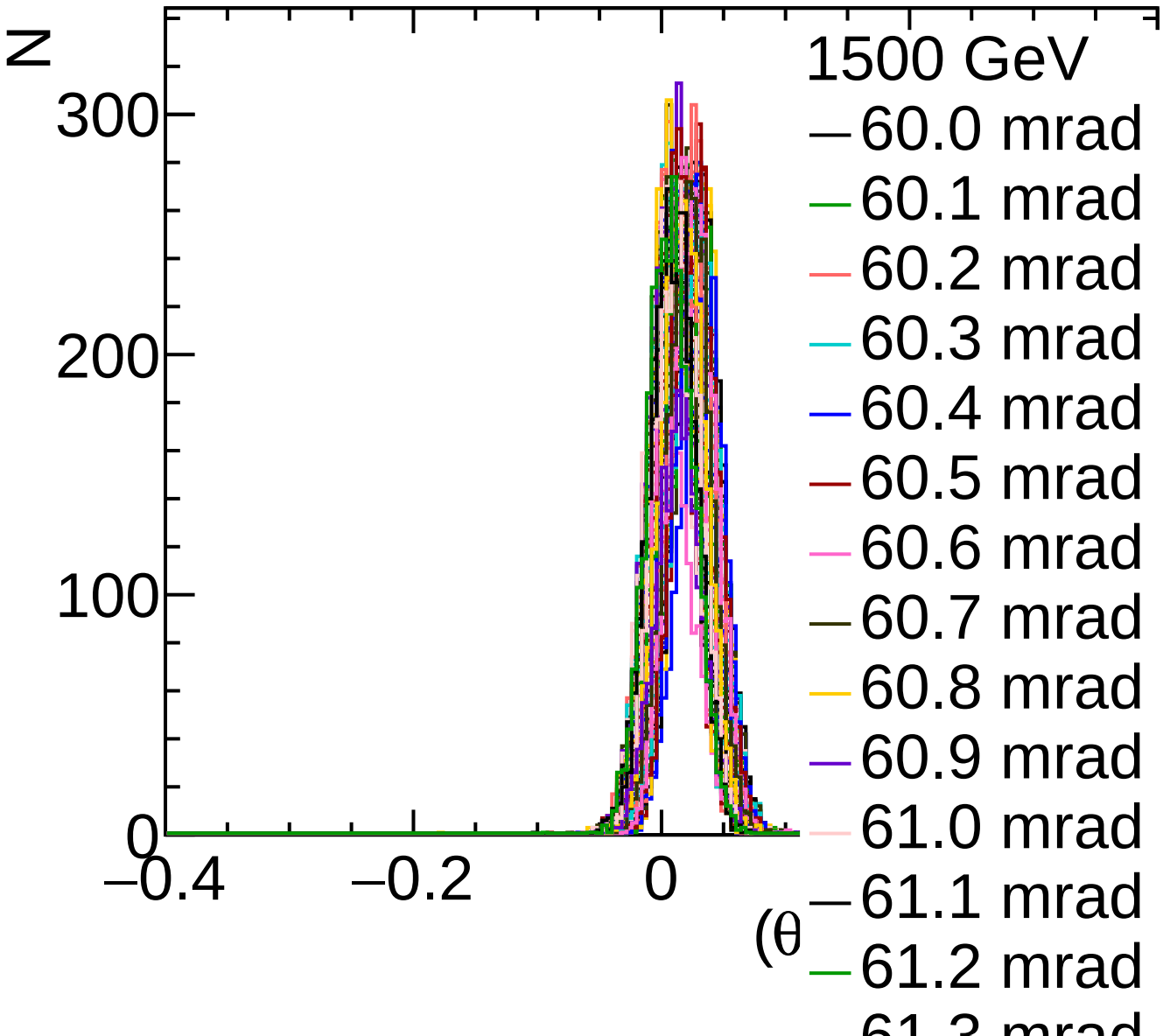

1500 GeV
75.7 mrad
75.8 mrad
75.9 mrad
76.0 mrad
76.1 mrad
76.2 mrad
N
800
600
400
200
0
0
500
1000
1500
E_Reco[GeV]

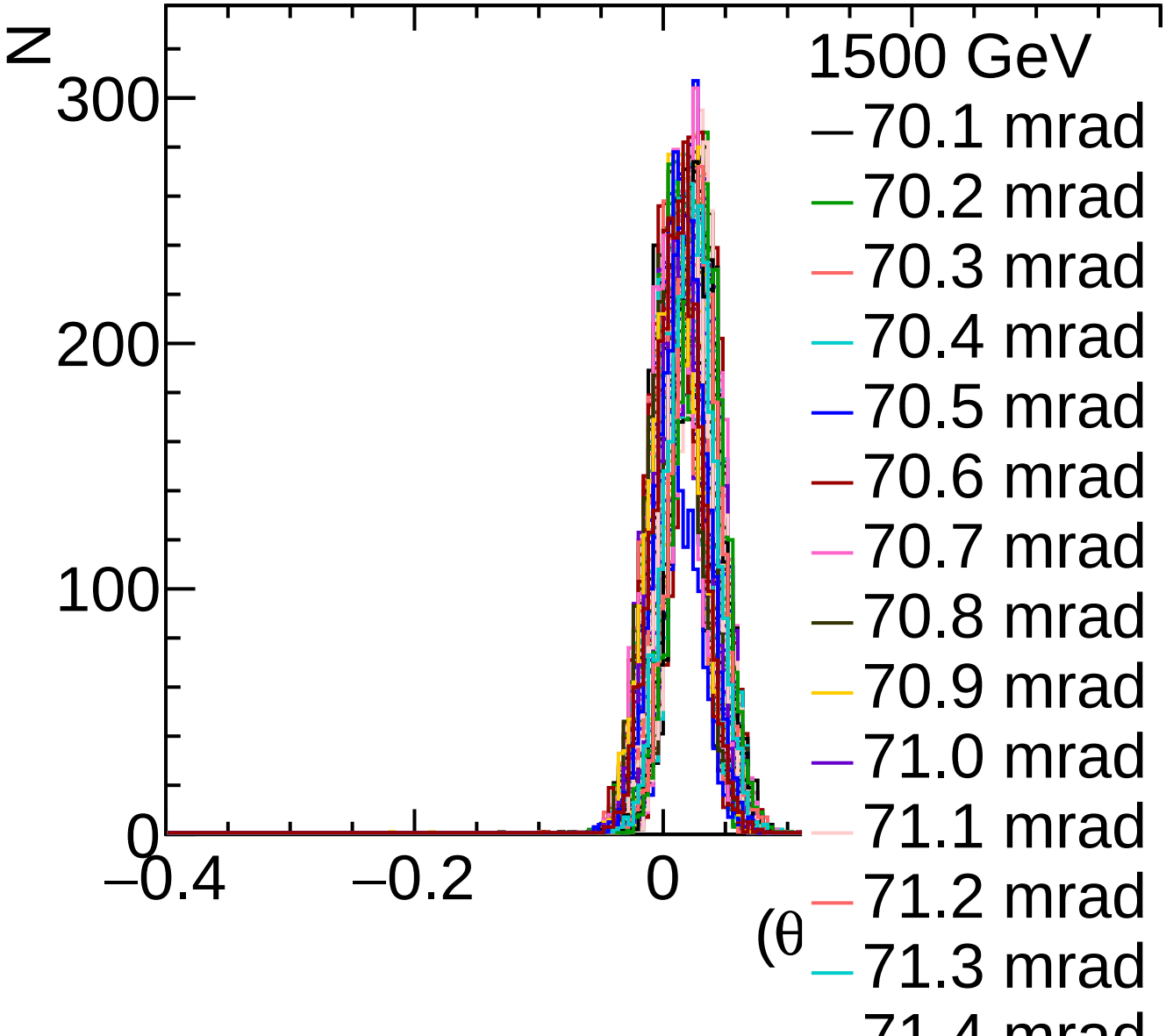

1500 GeV
76.3 mrad
76.4 mrad
76.5 mrad
76.6 mrad
76.7 mrad
76.9 mrad
N
800
600
400
200
0
0
500
1000
1500
E_Reco[GeV]


1500 GeV
77.0 mrad
77.1 mrad
77.2 mrad
77.3 mrad
77.4 mrad
77.5 mrad
N
800
600
400
200
0
0
500
1000
1500
E_Reco[GeV]


1500 GeV
77.6 mrad
77.7 mrad
77.8 mrad
77.9 mrad
78.1 mrad
78.2 mrad
N
800
600
400
200
0
0
500
1000
1500
E_Reco[GeV]


N
800
600
400
200
0
1500 GeV
78.4 mrad
78.5 mrad
0
500
1000
1500
E_Reco [GeV]


N
300
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
60.0 mrad
60.1 mrad
60.2 mrad
60.3 mrad
60.4 mrad
60.5 mrad
60.6 mrad
60.7 mrad
60.8 mrad
60.9 mrad
61.0 mrad
61.1 mrad
61.2 mrad
10


N
300
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
70.1 mrad
70.2 mrad
70.3 mrad
70.4 mrad
70.5 mrad
70.6 mrad
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70.9 mrad
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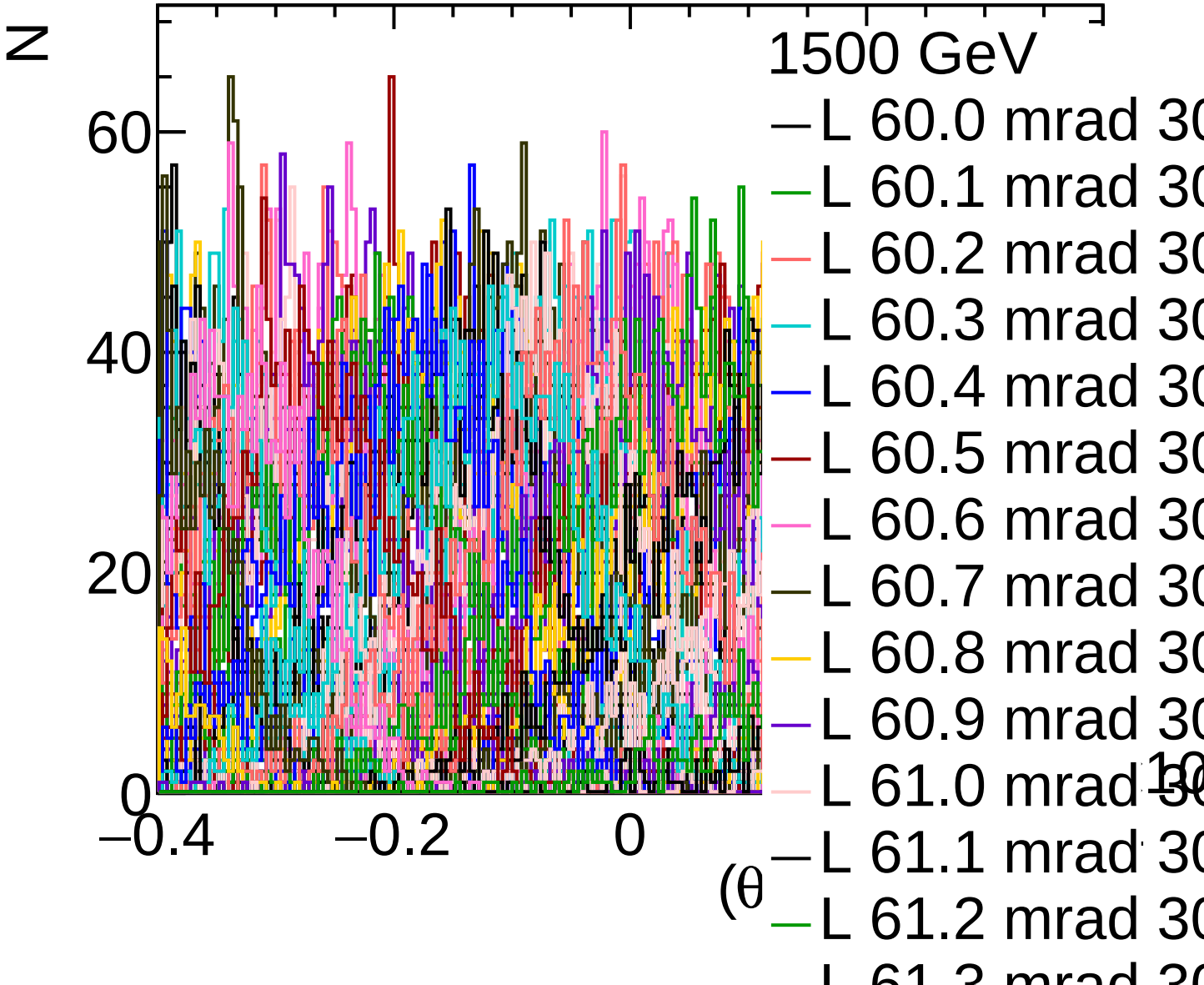
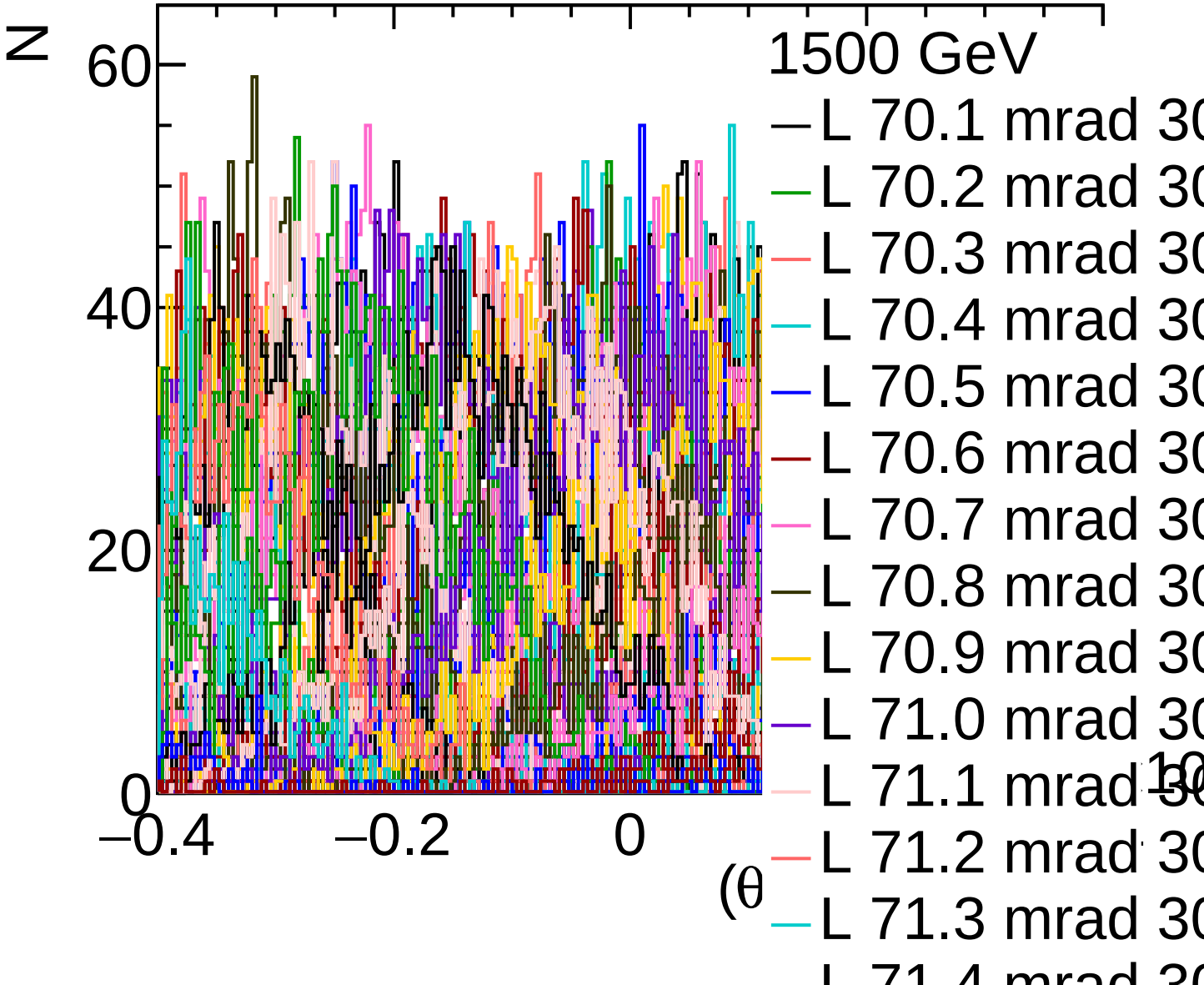
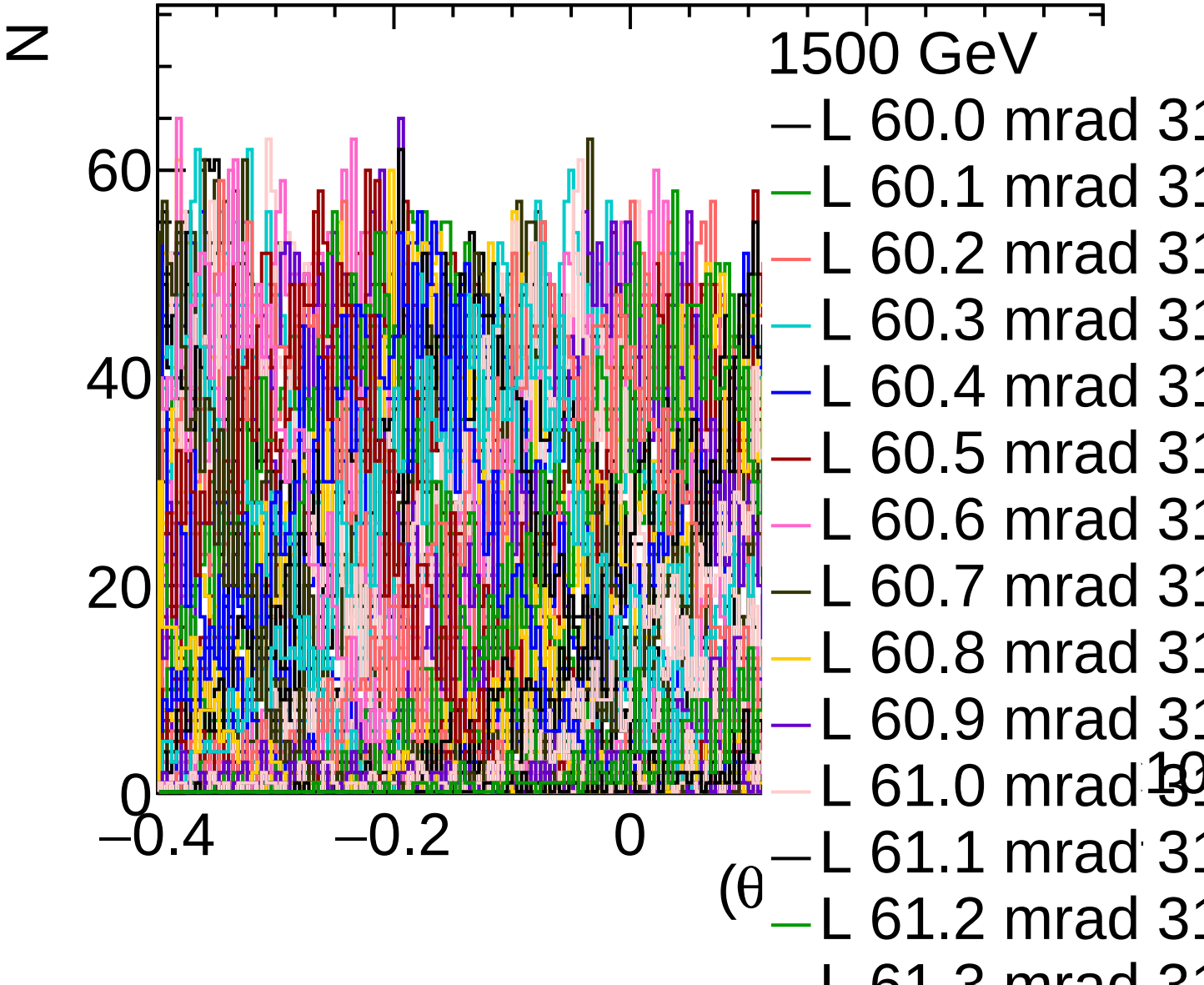
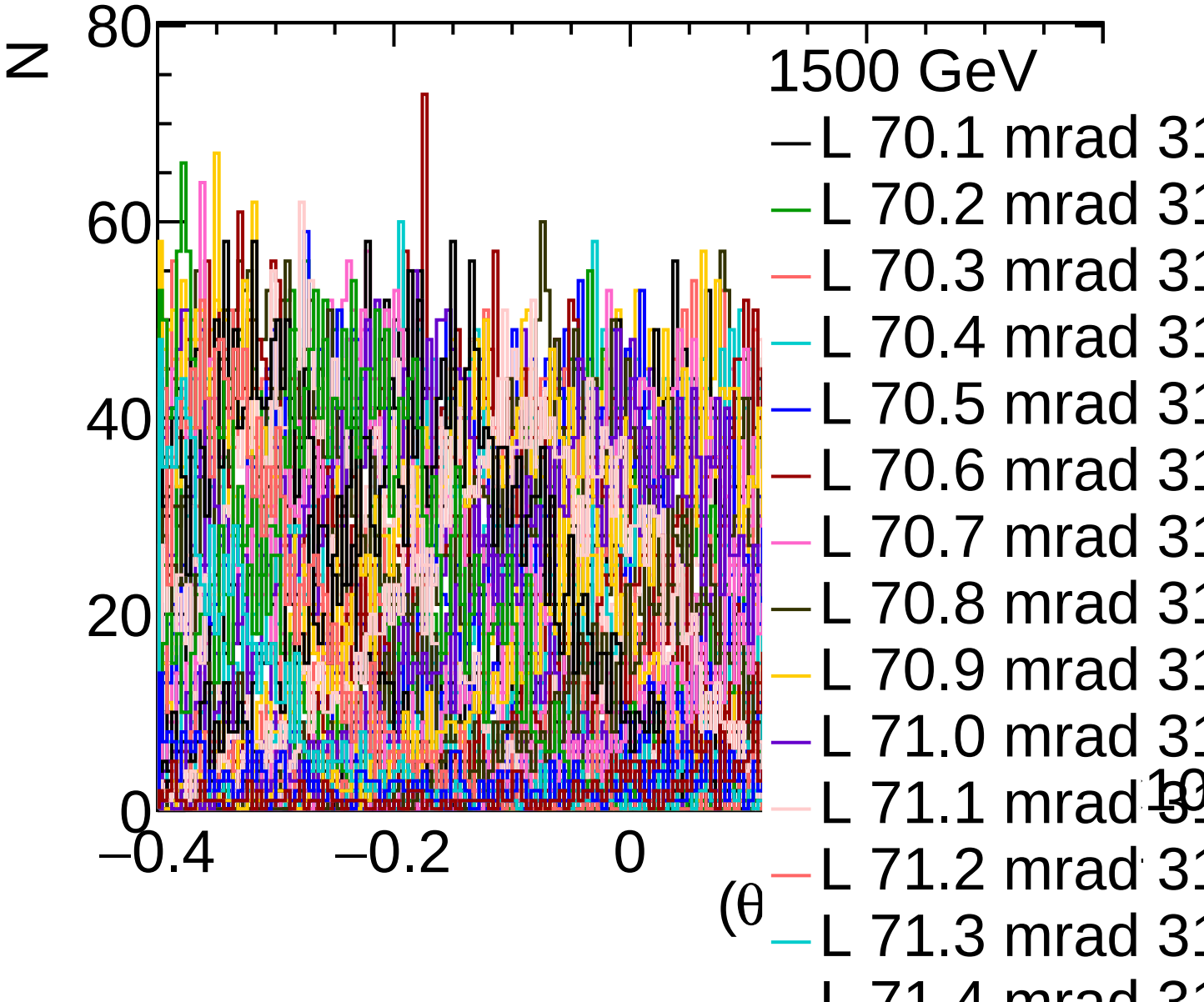
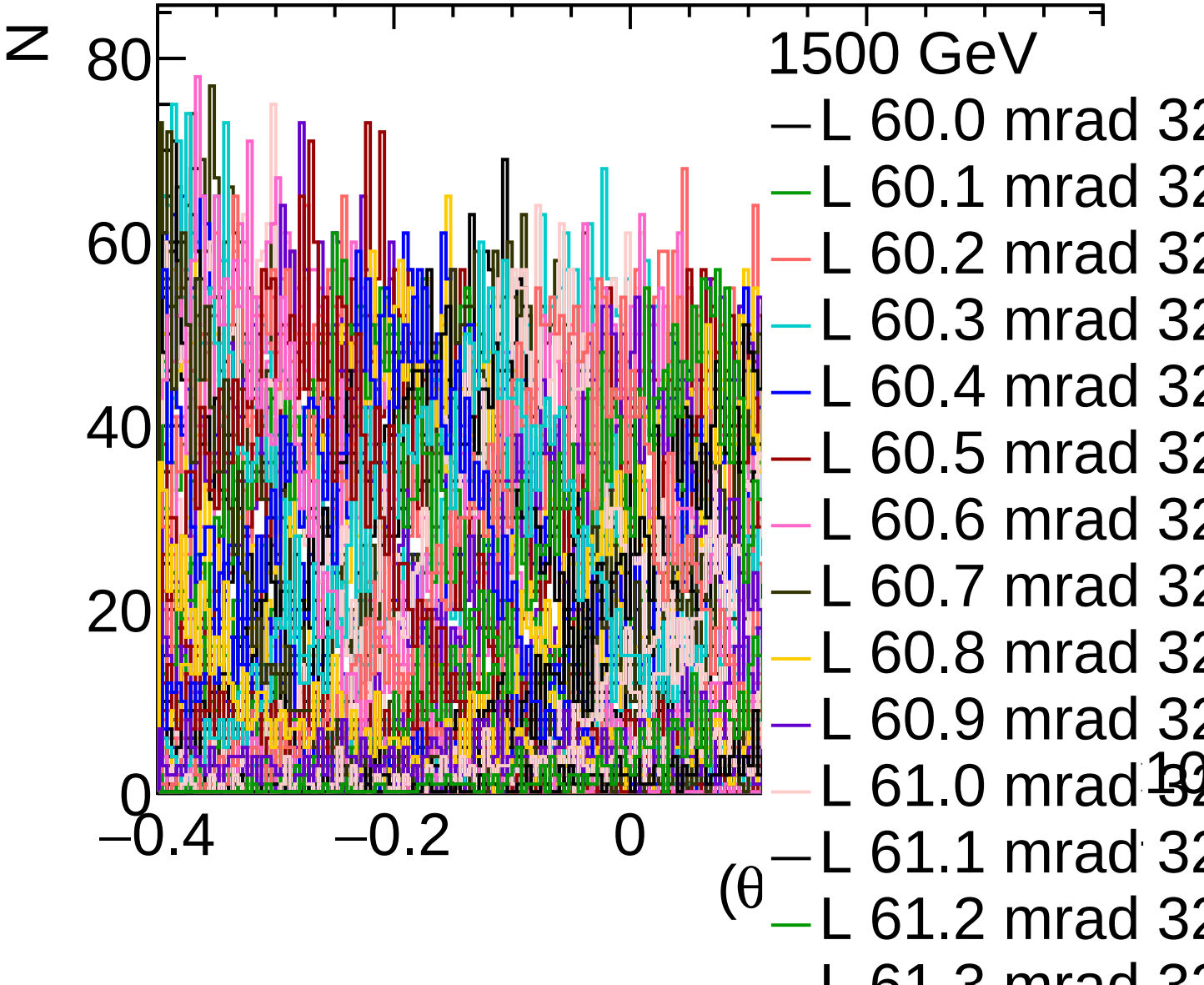
71.4 mrad

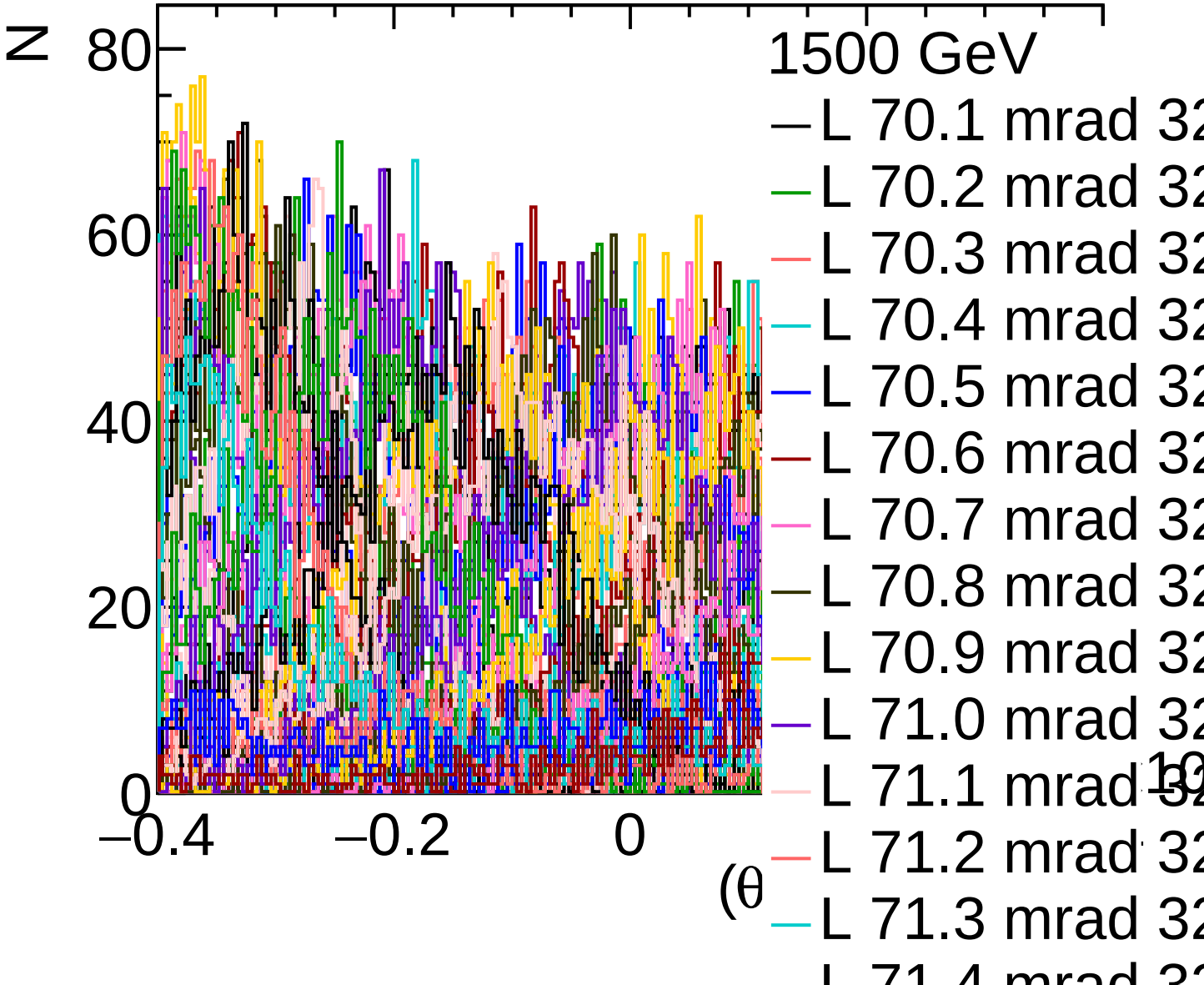

N
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 30
L 60.1 mrad 30
L 60.2 mrad 30
L 60.3 mrad 30
L 60.4 mrad 30
L 60.5 mrad 30
L 60.6 mrad 30
L 60.7 mrad 30
L 60.8 mrad 30
L 60.9 mrad 30
L 61.0 mrad 30
L 61.1 mrad 30
L 61.2 mrad 30

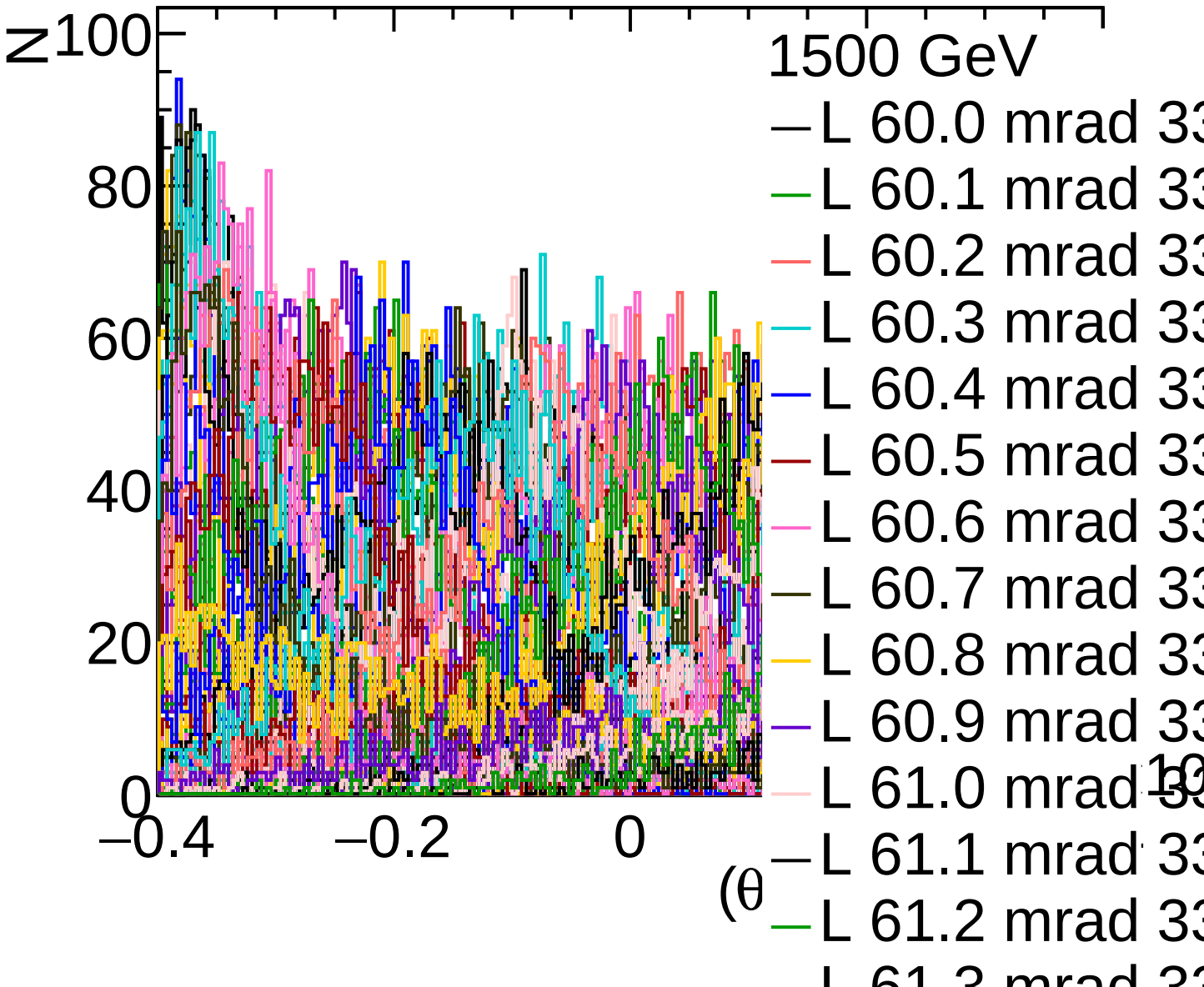

N
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 30
L 70.2 mrad 30
L 70.3 mrad 30
L 70.4 mrad 30
L 70.5 mrad 30
L 70.6 mrad 30
L 70.7 mrad 30
L 70.8 mrad 30
L 70.9 mrad 30
L 71.0 mrad 30
L 71.1 mrad 30
L 71.2 mrad 30
L 71.3 mrad 30

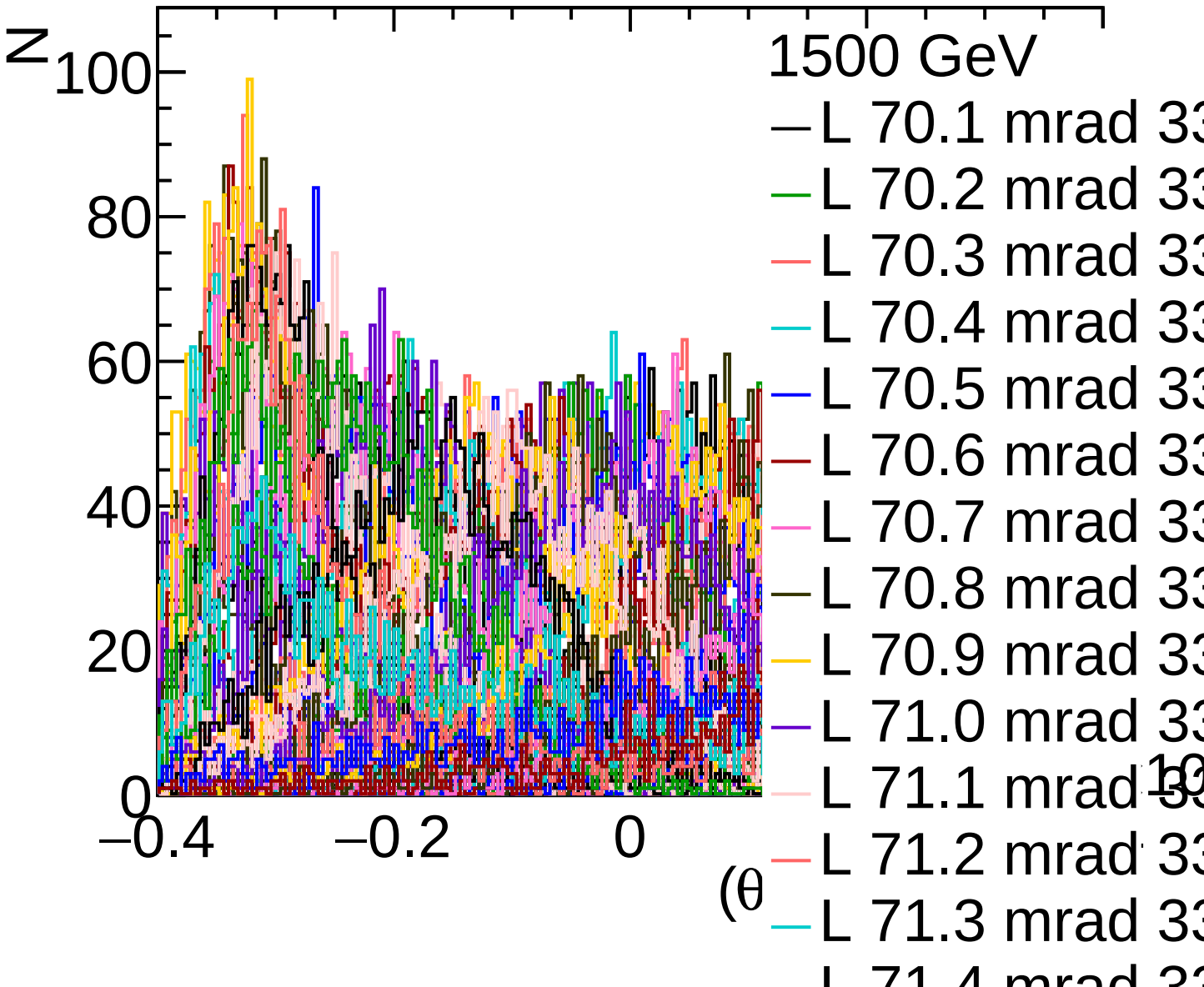

N
1500 GeV
L 60.0 mrad 31
L 60.1 mrad 31
L 60.2 mrad 31
L 60.3 mrad 31
L 60.4 mrad 31
L 60.5 mrad 31
L 60.6 mrad 31
L 60.7 mrad 31
L 60.8 mrad 31
L 60.9 mrad 31
L 61.0 mrad 31
L 61.1 mrad 31
L 61.2 mrad 31
60
40
20
0
–0.4
–0.2
0
(θ

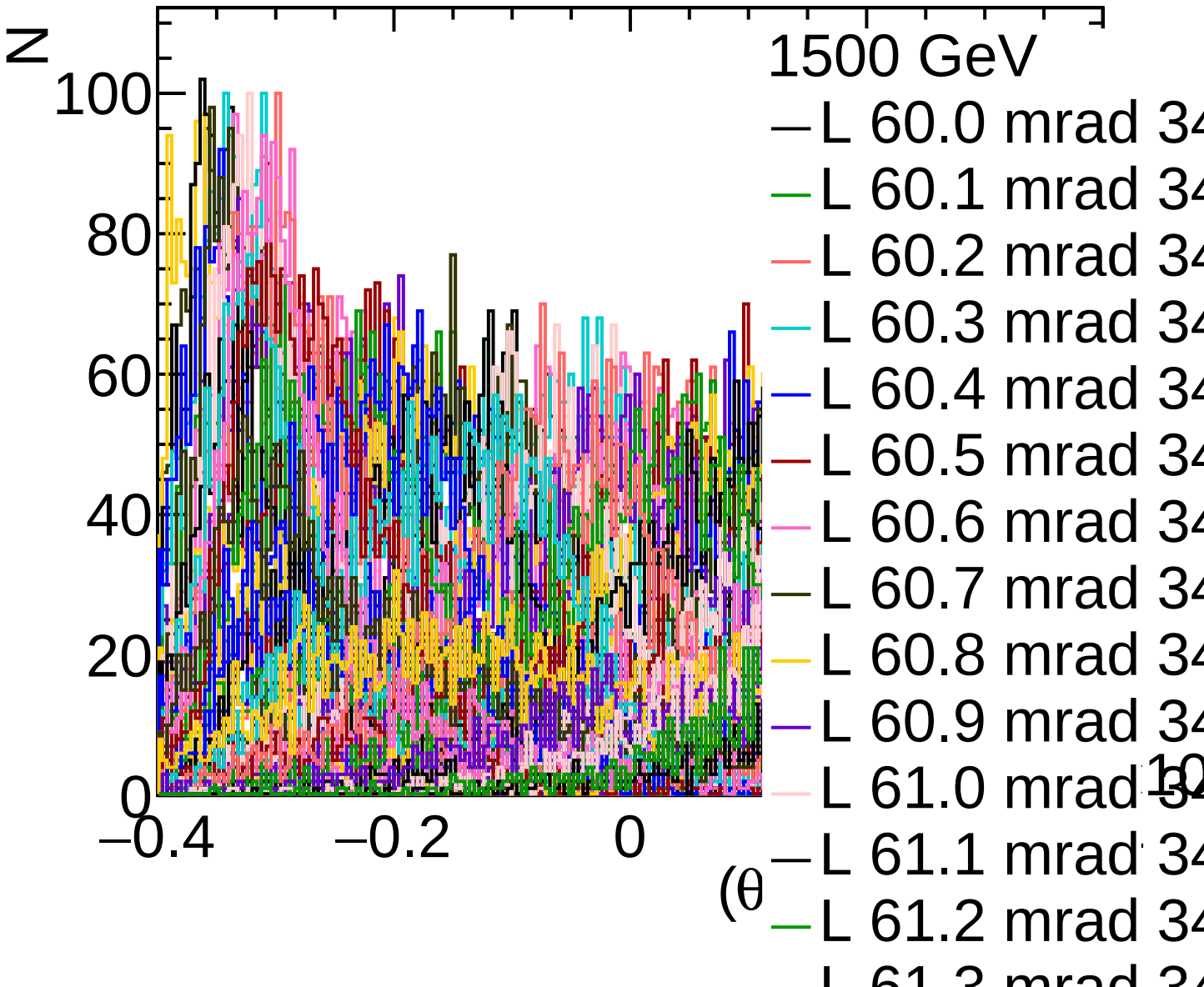

N
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 31
L 70.2 mrad 31
L 70.3 mrad 31
L 70.4 mrad 31
L 70.5 mrad 31
L 70.6 mrad 31
L 70.7 mrad 31
L 70.8 mrad 31
L 70.9 mrad 31
L 71.0 mrad 31
L 71.1 mrad 31
L 71.2 mrad 31
L 71.3 mrad 31

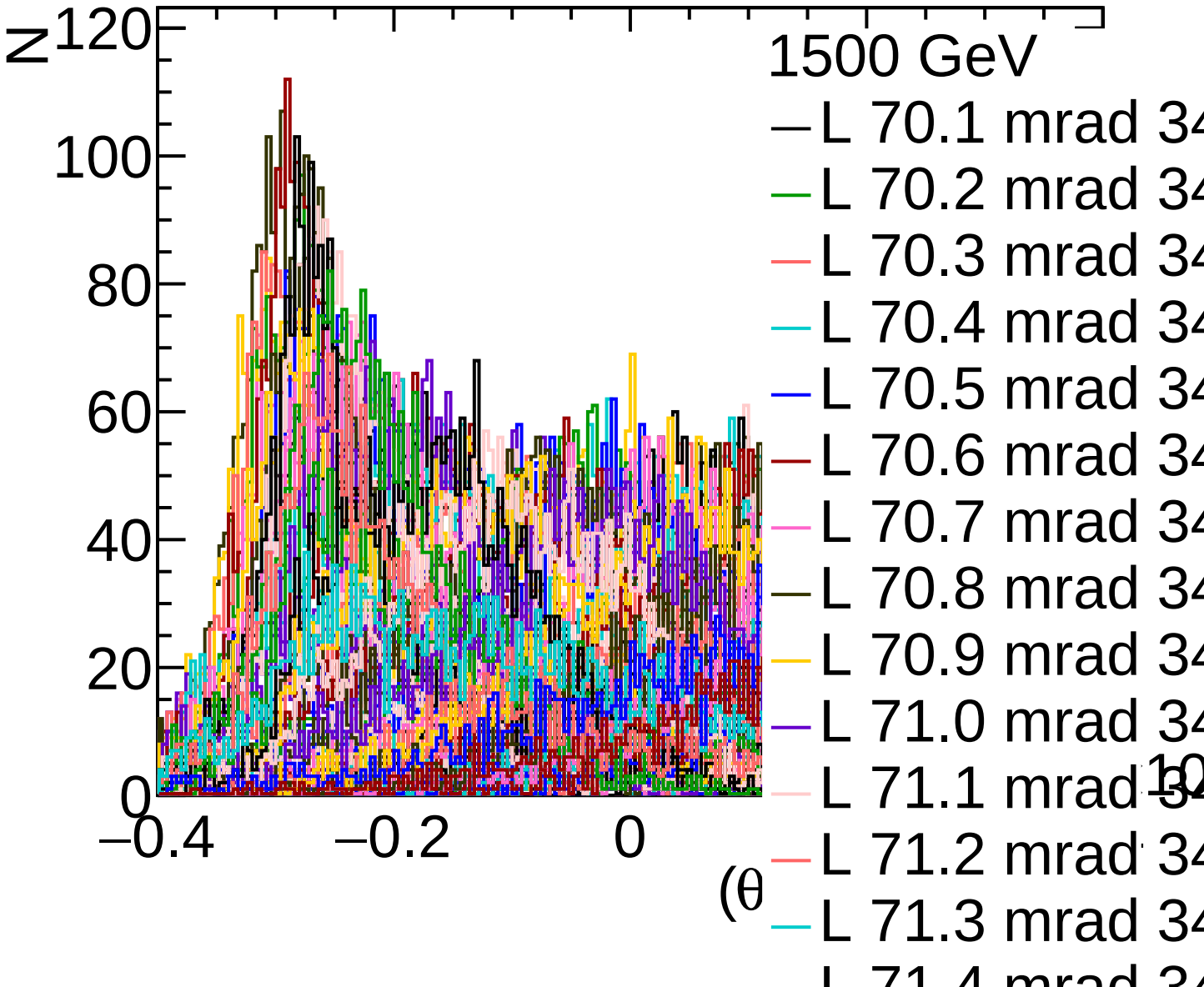

N
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 32
L 60.1 mrad 32
L 60.2 mrad 32
L 60.3 mrad 32
L 60.4 mrad 32
L 60.5 mrad 32
L 60.6 mrad 32
L 60.7 mrad 32
L 60.8 mrad 32
L 60.9 mrad 32
L 61.0 mrad 32
L 61.1 mrad 32
L 61.2 mrad 32

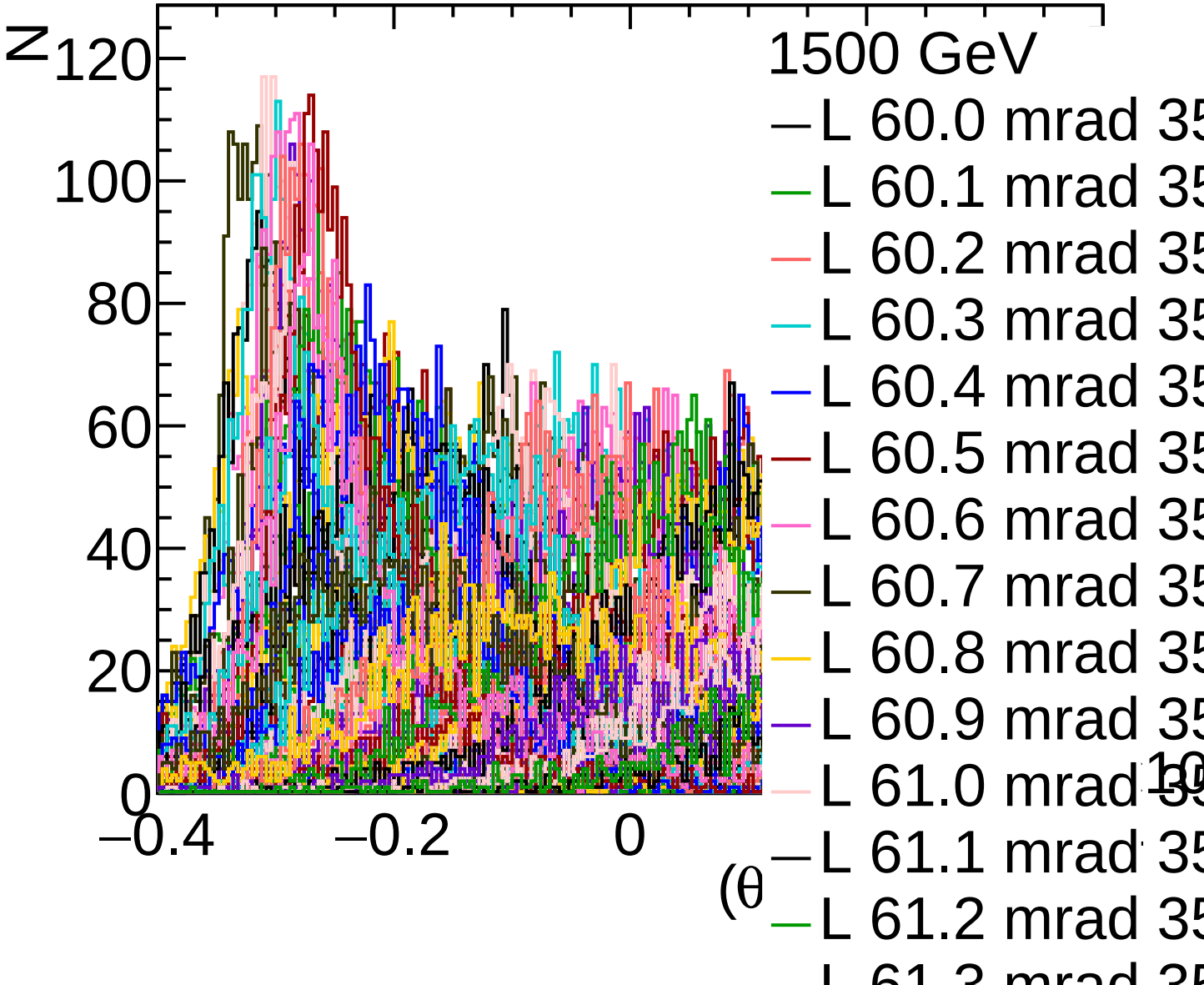

N
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 32
L 70.2 mrad 32
L 70.3 mrad 32
L 70.4 mrad 32
L 70.5 mrad 32
L 70.6 mrad 32
L 70.7 mrad 32
L 70.8 mrad 32
L 70.9 mrad 32
L 71.0 mrad 32
L 71.1 mrad 32
L 71.2 mrad 32
L 71.3 mrad 32

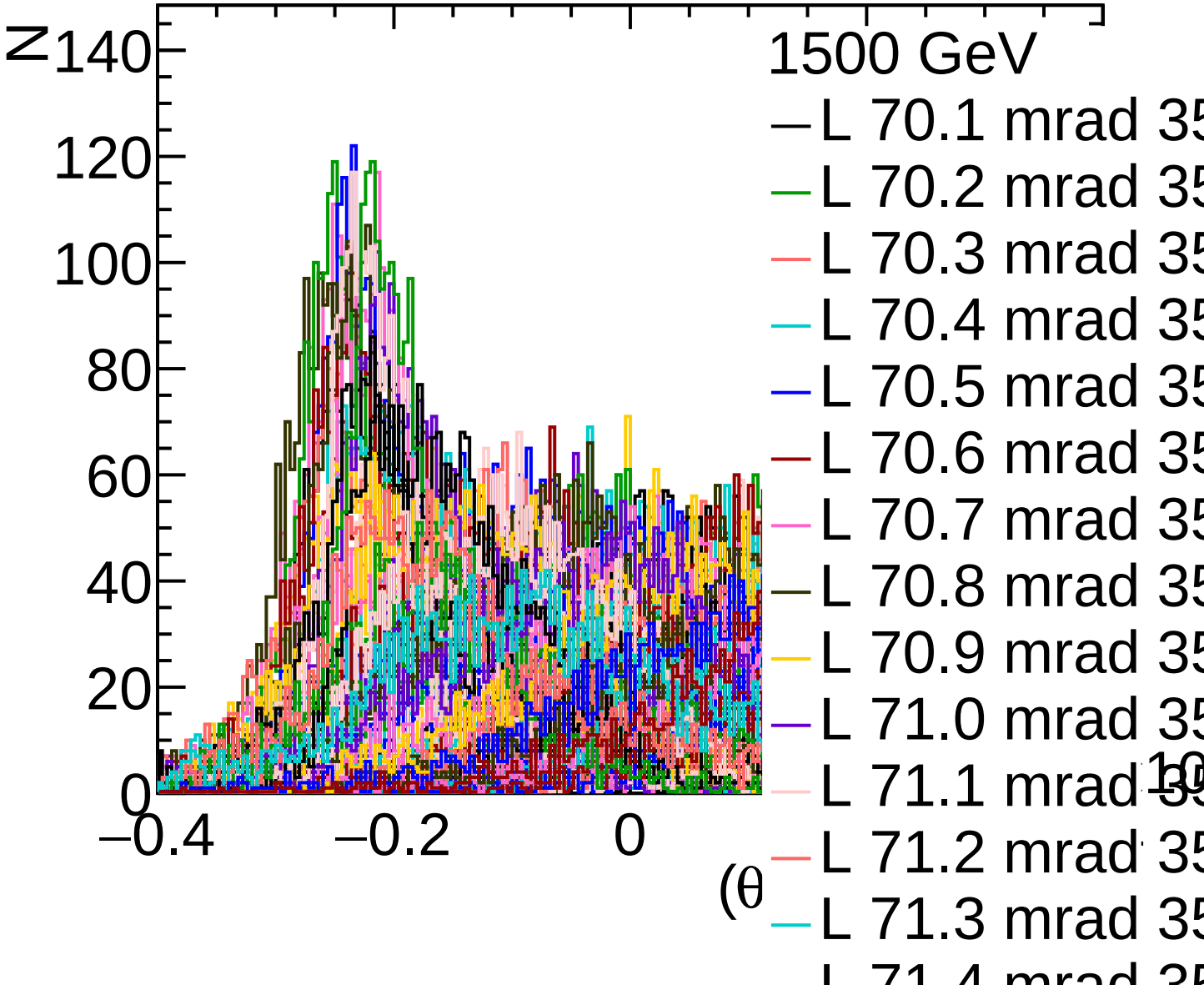

1500 GeV
L 60.0 mrad 33
L 60.1 mrad 33
L 60.2 mrad 33
L 60.3 mrad 33
L 60.4 mrad 33
L 60.5 mrad 33
L 60.6 mrad 33
L 60.7 mrad 33
L 60.8 mrad 33
L 60.9 mrad 33
L 61.0 mrad 33
L 61.1 mrad 33
L 61.2 mrad 33
100
80
60
40
20
0
–0.4
–0.2
0

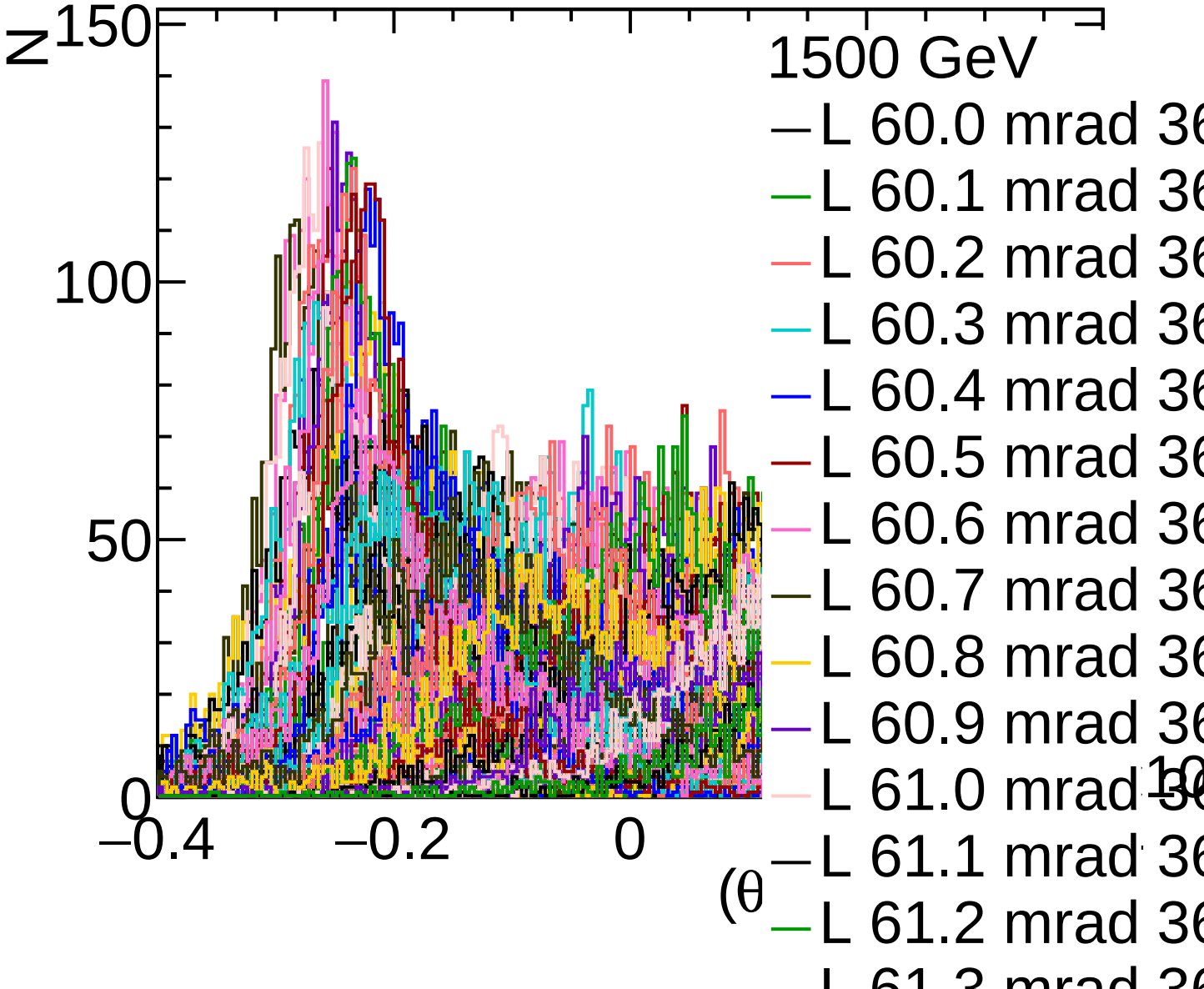

N
100
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 33
L 70.2 mrad 33
L 70.3 mrad 33
L 70.4 mrad 33
L 70.5 mrad 33
L 70.6 mrad 33
L 70.7 mrad 33
L 70.8 mrad 33
L 70.9 mrad 33
L 71.0 mrad 33
L 71.1 mrad 33
L 71.2 mrad 33
L 71.3 mrad 33

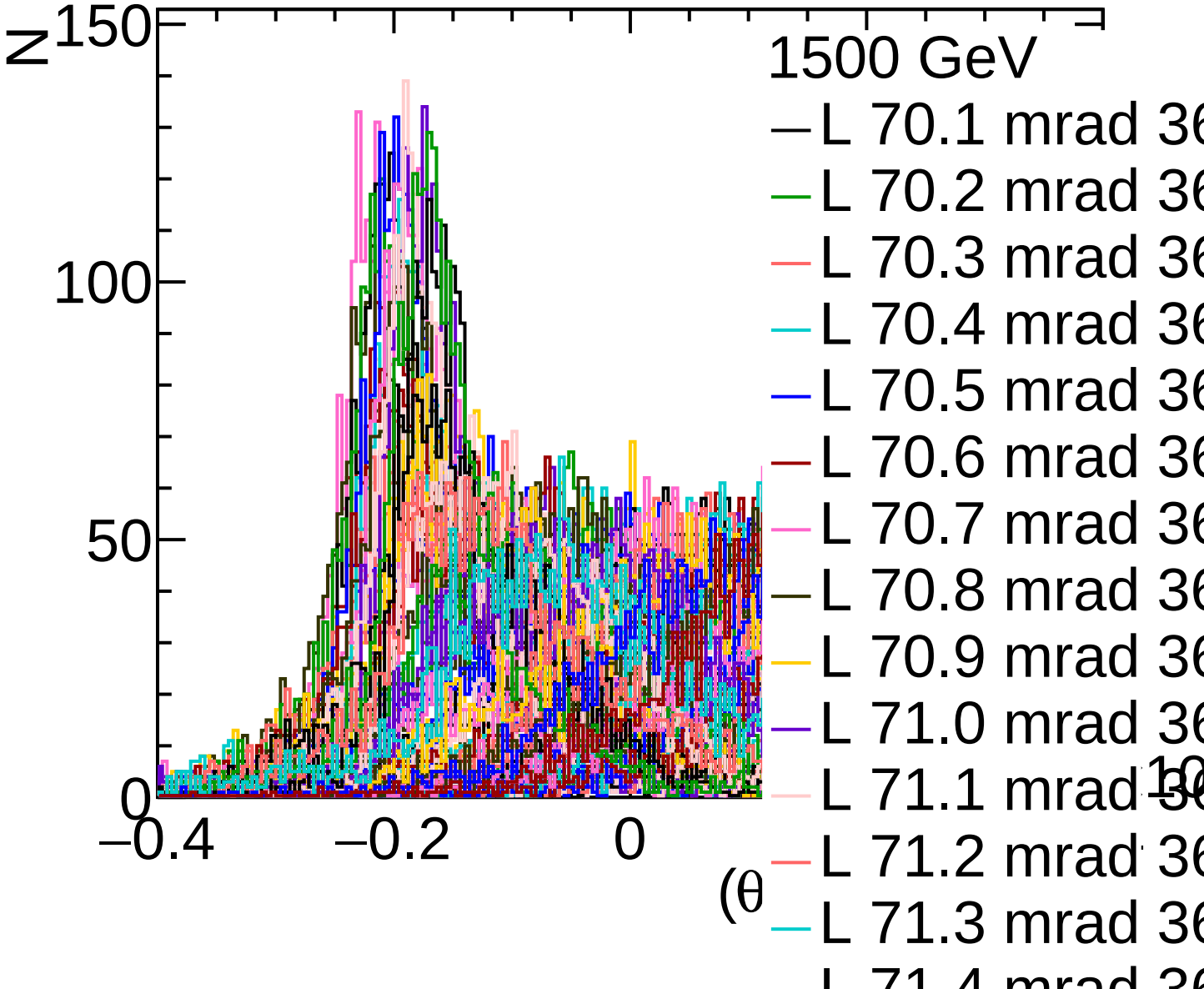

N
100
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 34
L 60.1 mrad 34
L 60.2 mrad 34
L 60.3 mrad 34
L 60.4 mrad 34
L 60.5 mrad 34
L 60.6 mrad 34
L 60.7 mrad 34
L 60.8 mrad 34
L 60.9 mrad 34
L 61.0 mrad 34
L 61.1 mrad 34
L 61.2 mrad 34

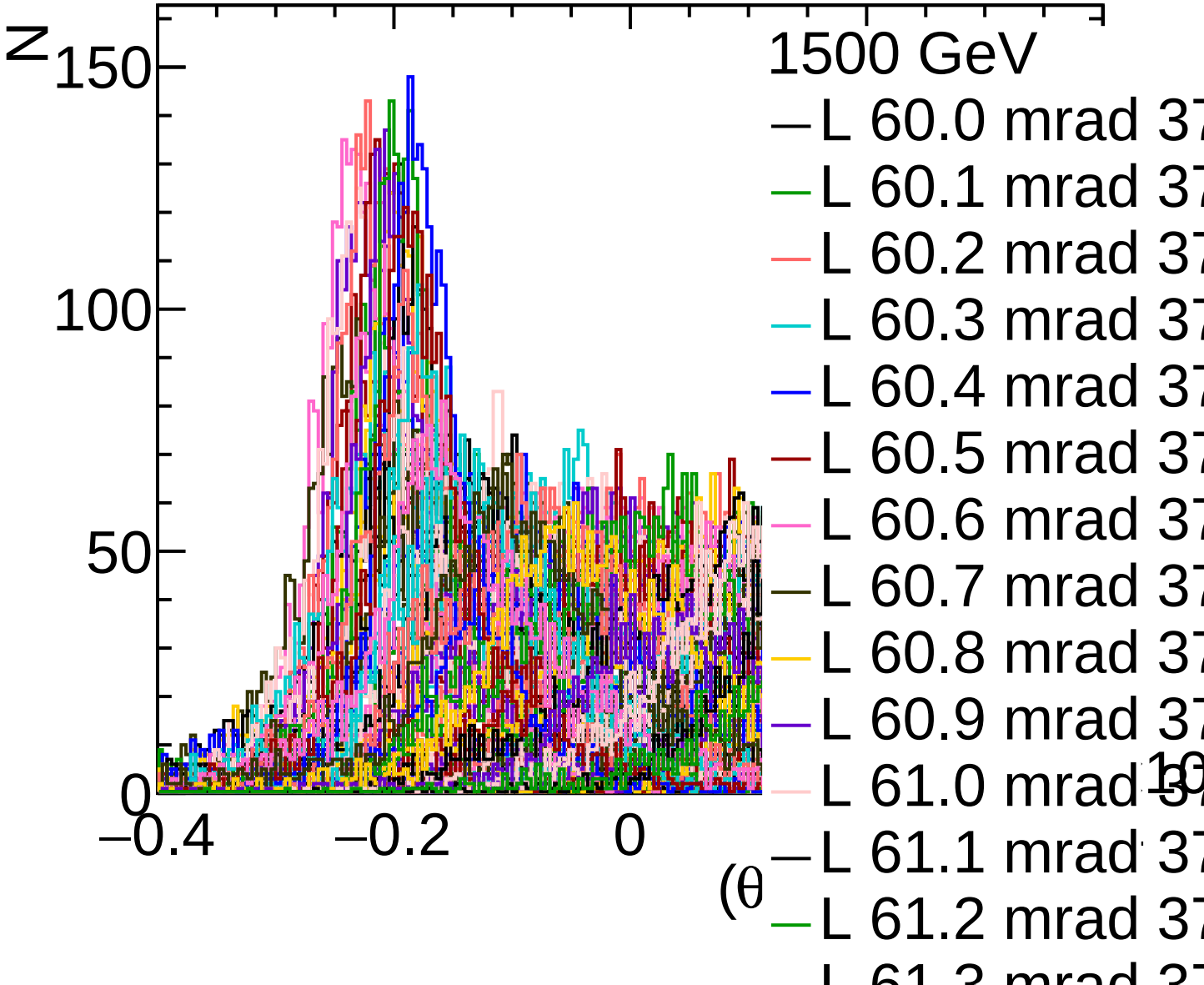

N
120
100
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 34
L 70.2 mrad 34
L 70.3 mrad 34
L 70.4 mrad 34
L 70.5 mrad 34
L 70.6 mrad 34
L 70.7 mrad 34
L 70.8 mrad 34
L 70.9 mrad 34
L 71.0 mrad 34
L 71.1 mrad 34
L 71.2 mrad 34
L 71.3 mrad 34

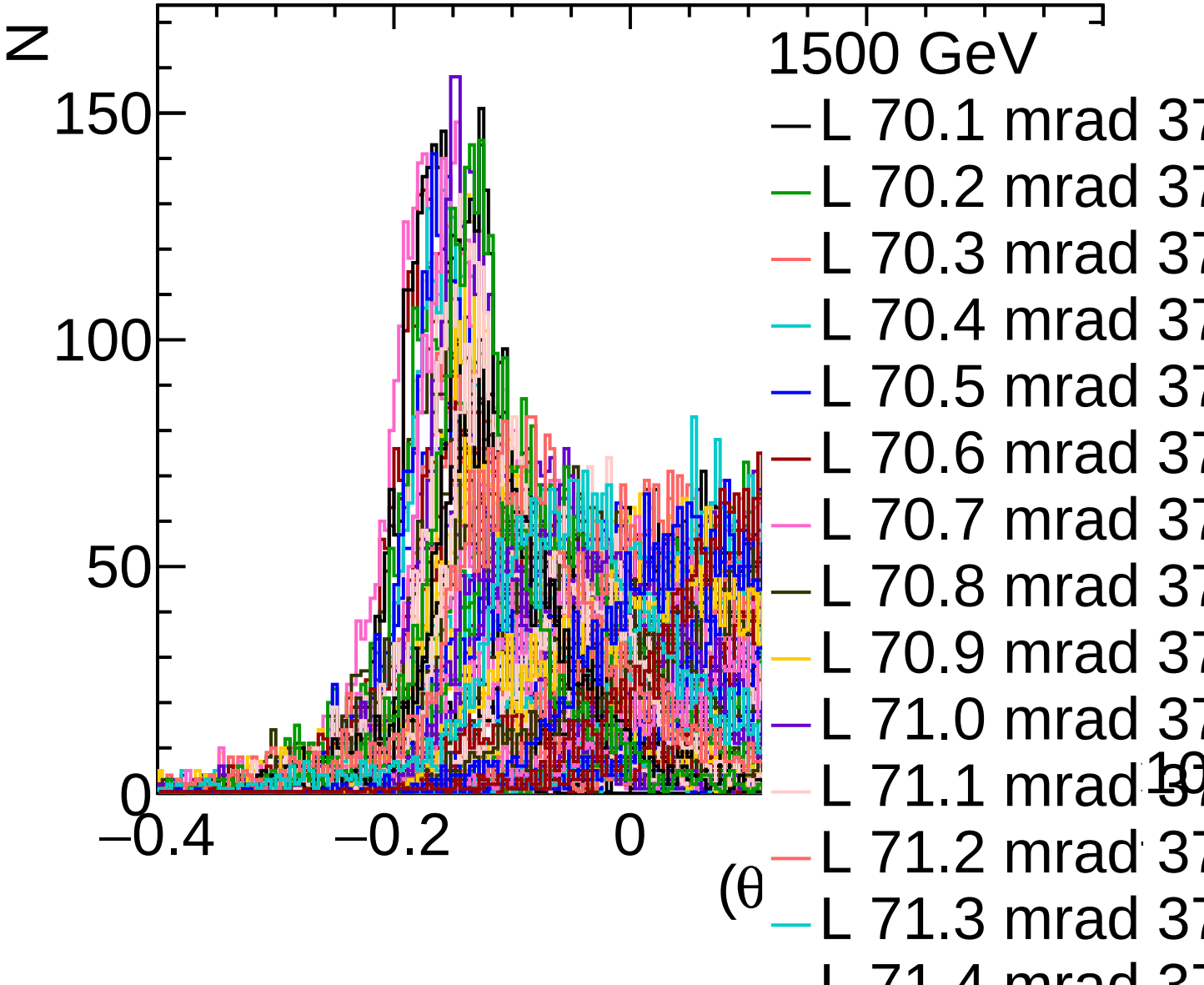

N
120
100
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 35
L 60.1 mrad 35
L 60.2 mrad 35
L 60.3 mrad 35
L 60.4 mrad 35
L 60.5 mrad 35
L 60.6 mrad 35
L 60.7 mrad 35
L 60.8 mrad 35
L 60.9 mrad 35
L 61.0 mrad 35
L 61.1 mrad 35
L 61.2 mrad 35

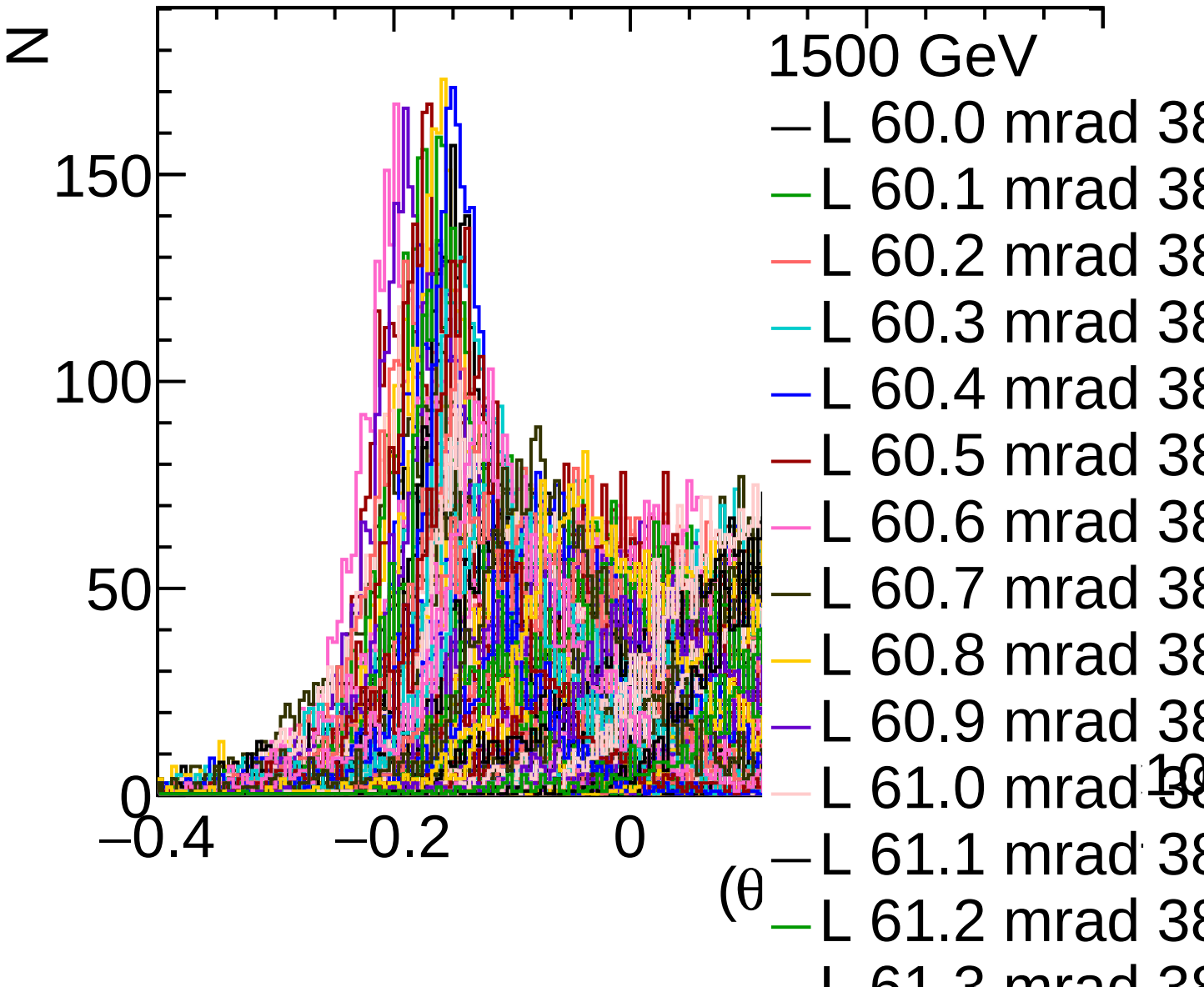

N
140
120
100
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 35
L 70.2 mrad 35
L 70.3 mrad 35
L 70.4 mrad 35
L 70.5 mrad 35
L 70.6 mrad 35
L 70.7 mrad 35
L 70.8 mrad 35
L 70.9 mrad 35
L 71.0 mrad 35
L 71.1 mrad 35
L 71.2 mrad 35
L 71.3 mrad 35

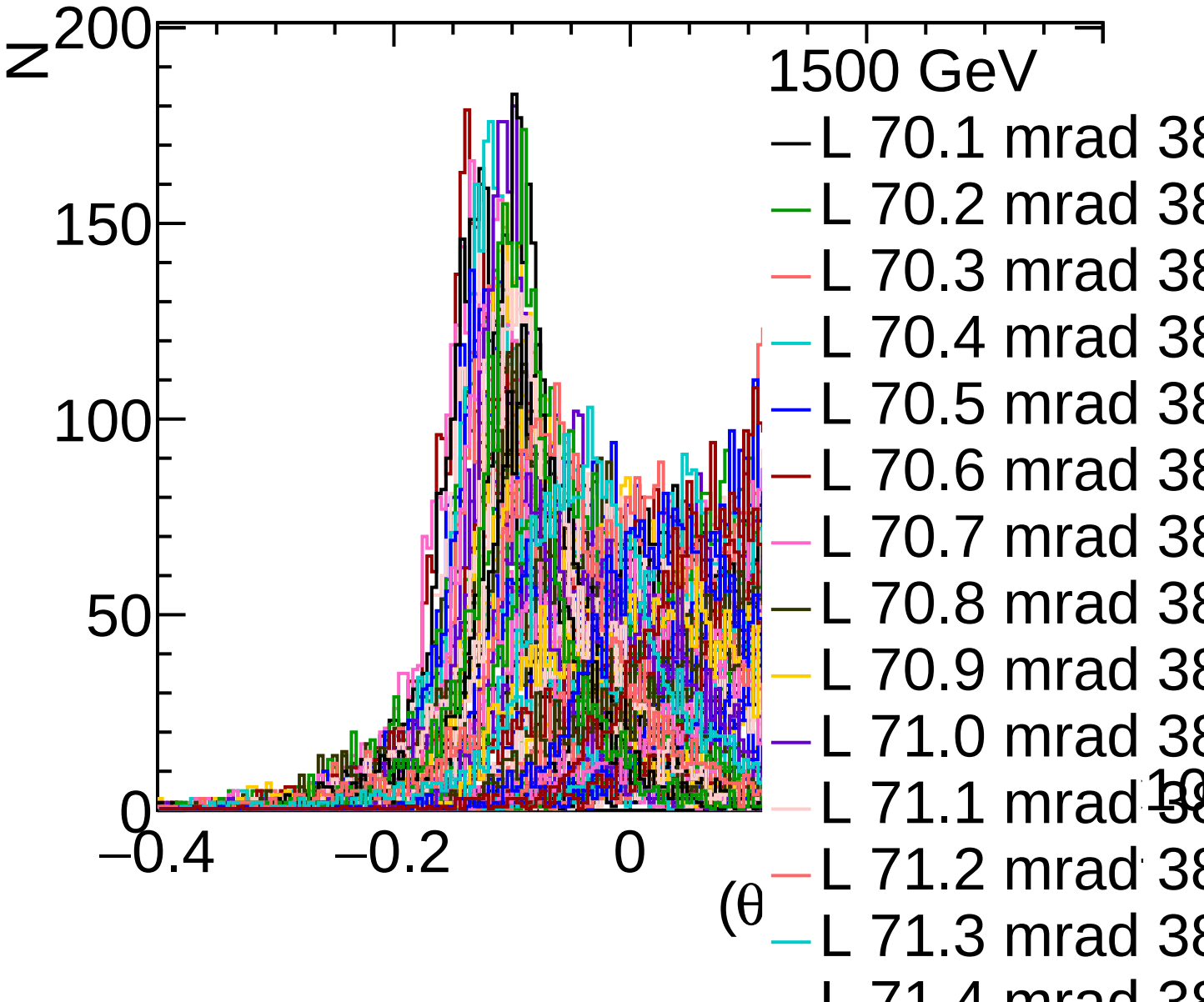

N
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 36
L 60.1 mrad 36
L 60.2 mrad 36
L 60.3 mrad 36
L 60.4 mrad 36
L 60.5 mrad 36
L 60.6 mrad 36
L 60.7 mrad 36
L 60.8 mrad 36
L 60.9 mrad 36
L 61.0 mrad 36
L 61.1 mrad 36
L 61.2 mrad 36

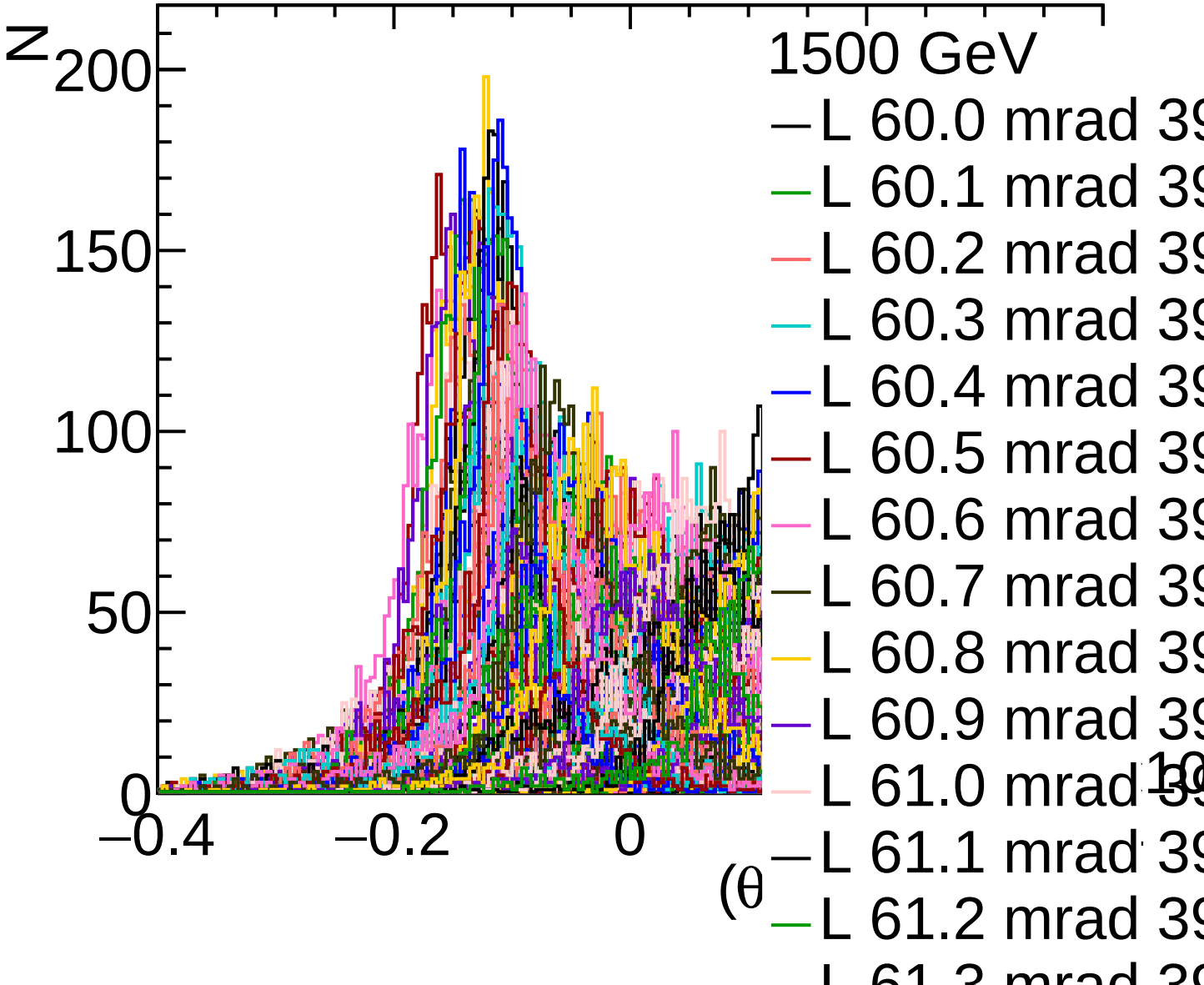

N
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 36
L 70.2 mrad 36
L 70.3 mrad 36
L 70.4 mrad 36
L 70.5 mrad 36
L 70.6 mrad 36
L 70.7 mrad 36
L 70.8 mrad 36
L 70.9 mrad 36
L 71.0 mrad 36
L 71.1 mrad 36
L 71.2 mrad 36
L 71.3 mrad 36

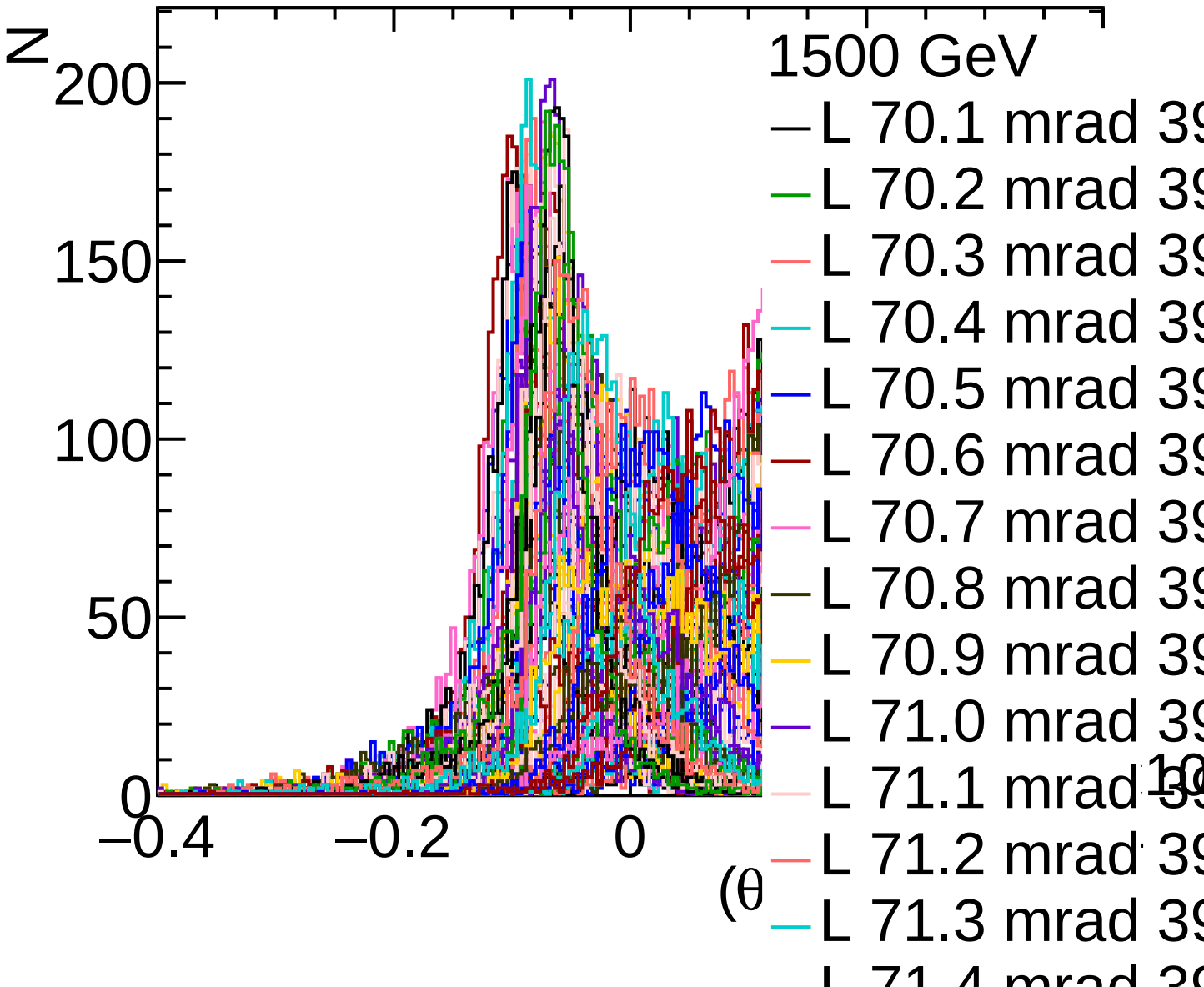

N
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 37
L 60.1 mrad 37
L 60.2 mrad 37
L 60.3 mrad 37
L 60.4 mrad 37
L 60.5 mrad 37
L 60.6 mrad 37
L 60.7 mrad 37
L 60.8 mrad 37
L 60.9 mrad 37
L 61.0 mrad 37
L 61.1 mrad 37
L 61.2 mrad 37
L 61.3 mrad 37

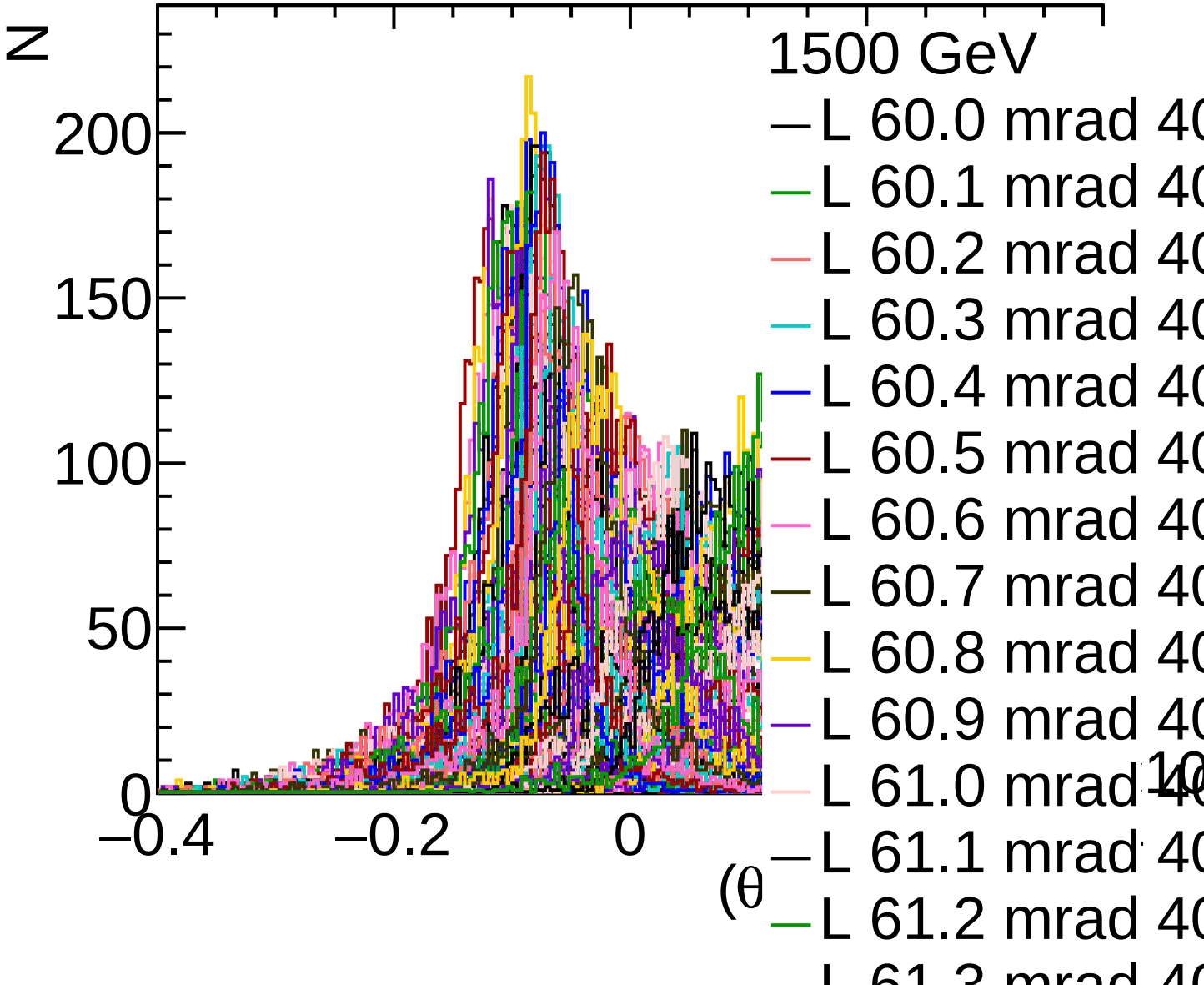

N
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 37
L 70.2 mrad 37
L 70.3 mrad 37
L 70.4 mrad 37
L 70.5 mrad 37
L 70.6 mrad 37
L 70.7 mrad 37
L 70.8 mrad 37
L 70.9 mrad 37
L 71.0 mrad 37
L 71.1 mrad 37
L 71.2 mrad 37
L 71.3 mrad 37

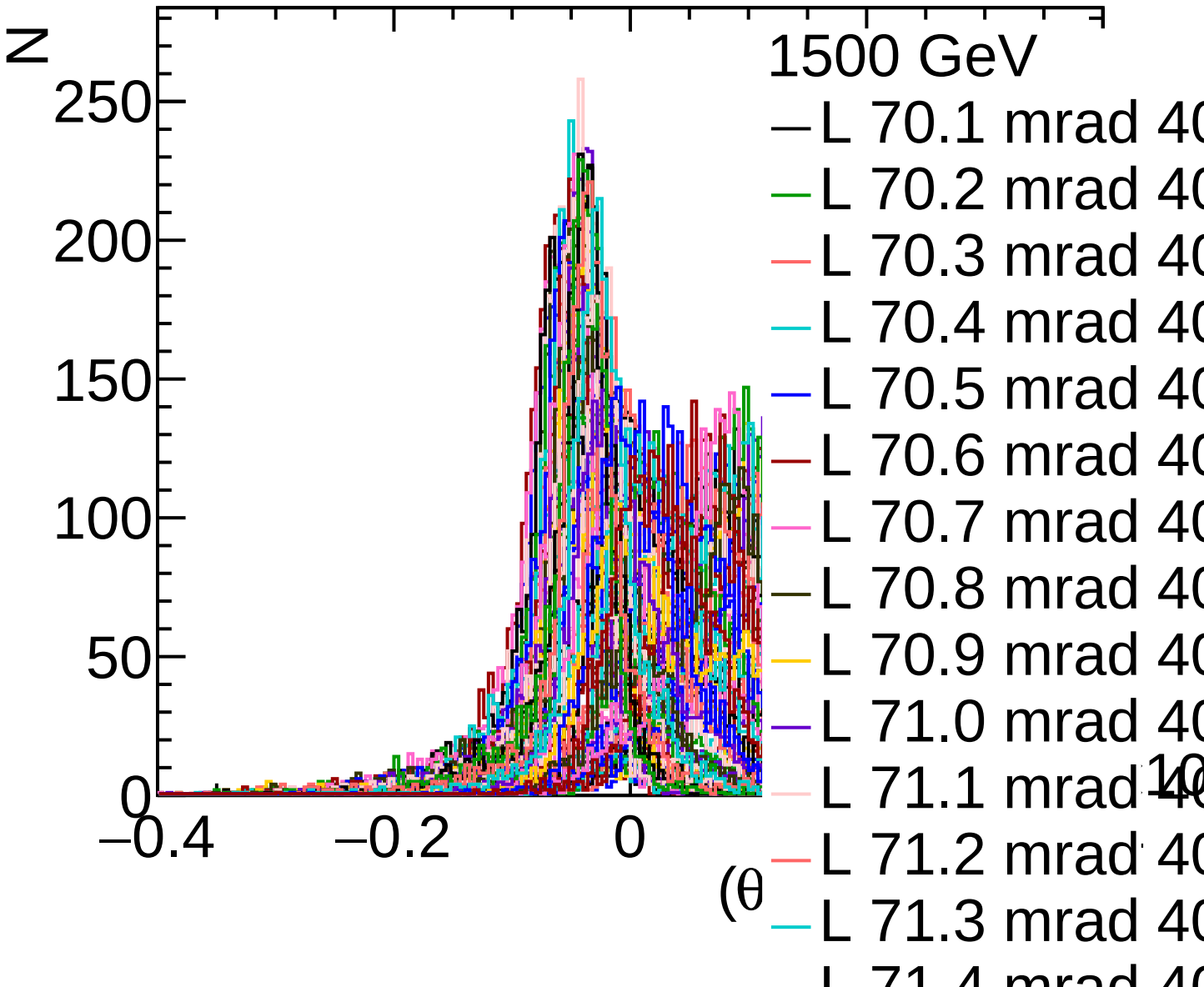

N
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 38
L 60.1 mrad 38
L 60.2 mrad 38
L 60.3 mrad 38
L 60.4 mrad 38
L 60.5 mrad 38
L 60.6 mrad 38
L 60.7 mrad 38
L 60.8 mrad 38
L 60.9 mrad 38
L 61.0 mrad 38
L 61.1 mrad 38
L 61.2 mrad 38
L 61.3 mrad 38

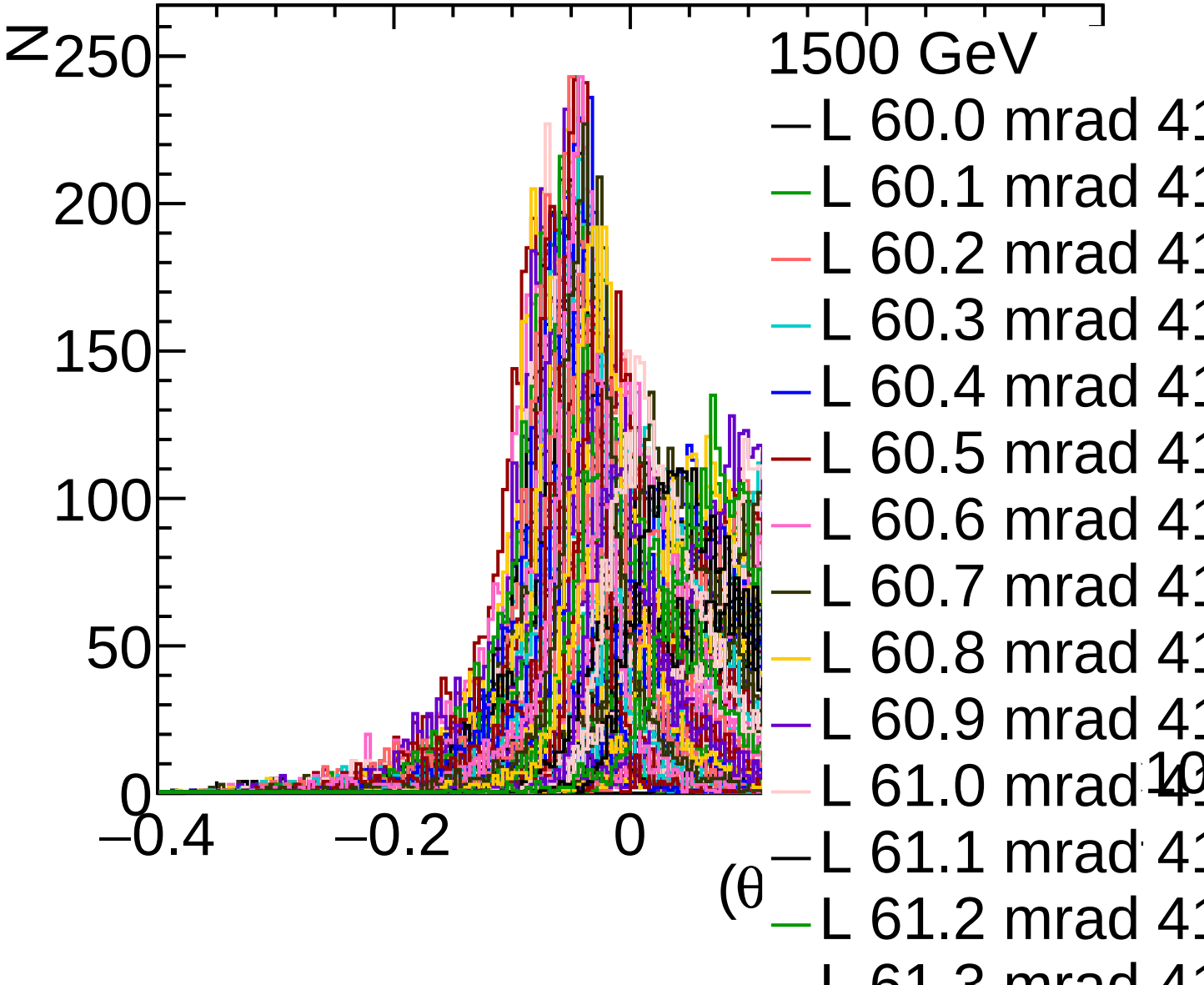

N
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 38
L 70.2 mrad 38
L 70.3 mrad 38
L 70.4 mrad 38
L 70.5 mrad 38
L 70.6 mrad 38
L 70.7 mrad 38
L 70.8 mrad 38
L 70.9 mrad 38
L 71.0 mrad 38
L 71.1 mrad 38
L 71.2 mrad 38
L 71.3 mrad 38

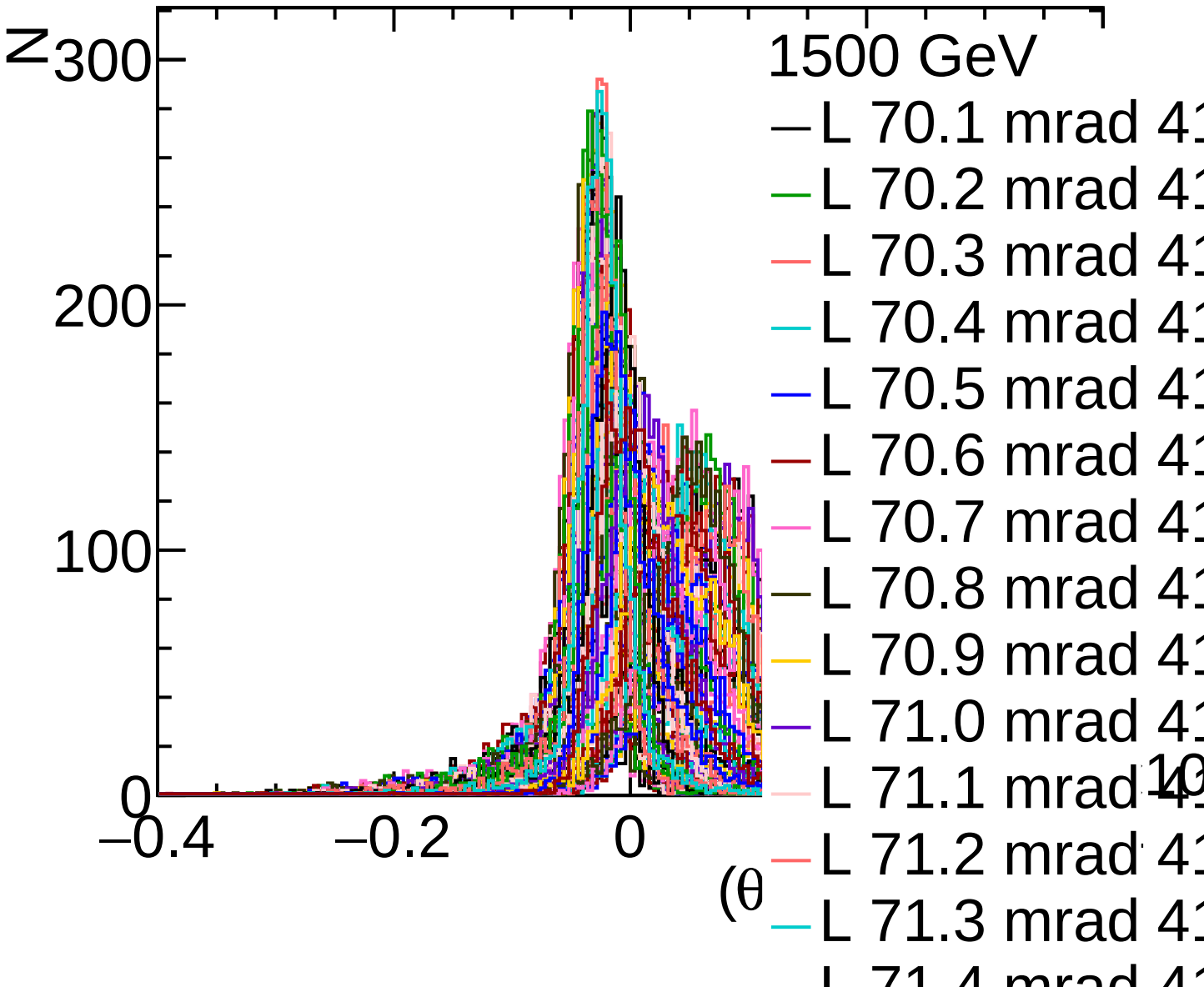

N
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 39
L 60.1 mrad 39
L 60.2 mrad 39
L 60.3 mrad 39
L 60.4 mrad 39
L 60.5 mrad 39
L 60.6 mrad 39
L 60.7 mrad 39
L 60.8 mrad 39
L 60.9 mrad 39
L 61.0 mrad 39
L 61.1 mrad 39
L 61.2 mrad 39

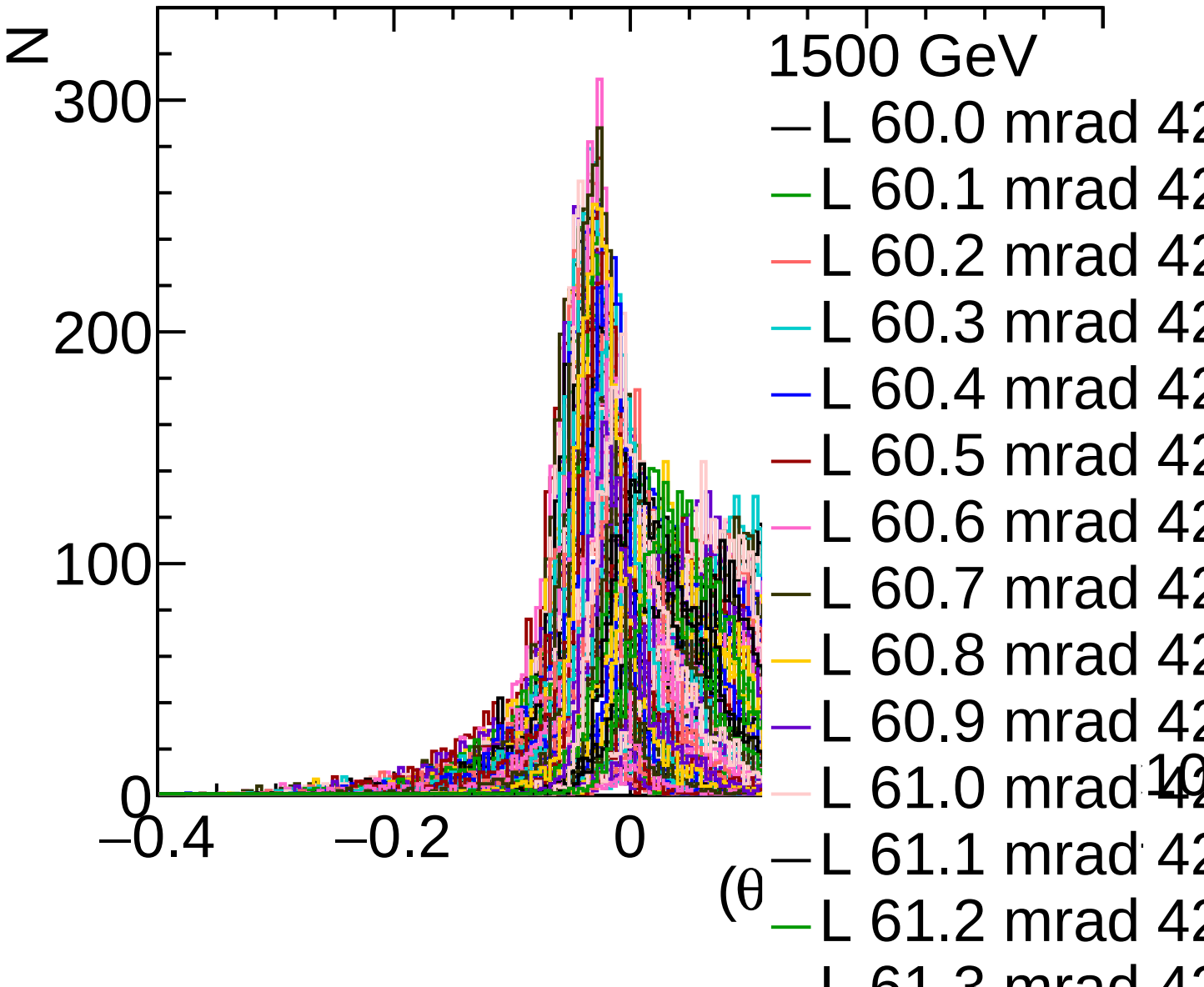

N
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 39
L 70.2 mrad 39
L 70.3 mrad 39
L 70.4 mrad 39
L 70.5 mrad 39
L 70.6 mrad 39
L 70.7 mrad 39
L 70.8 mrad 39
L 70.9 mrad 39
L 71.0 mrad 39
L 71.1 mrad 39
L 71.2 mrad 39
L 71.3 mrad 39

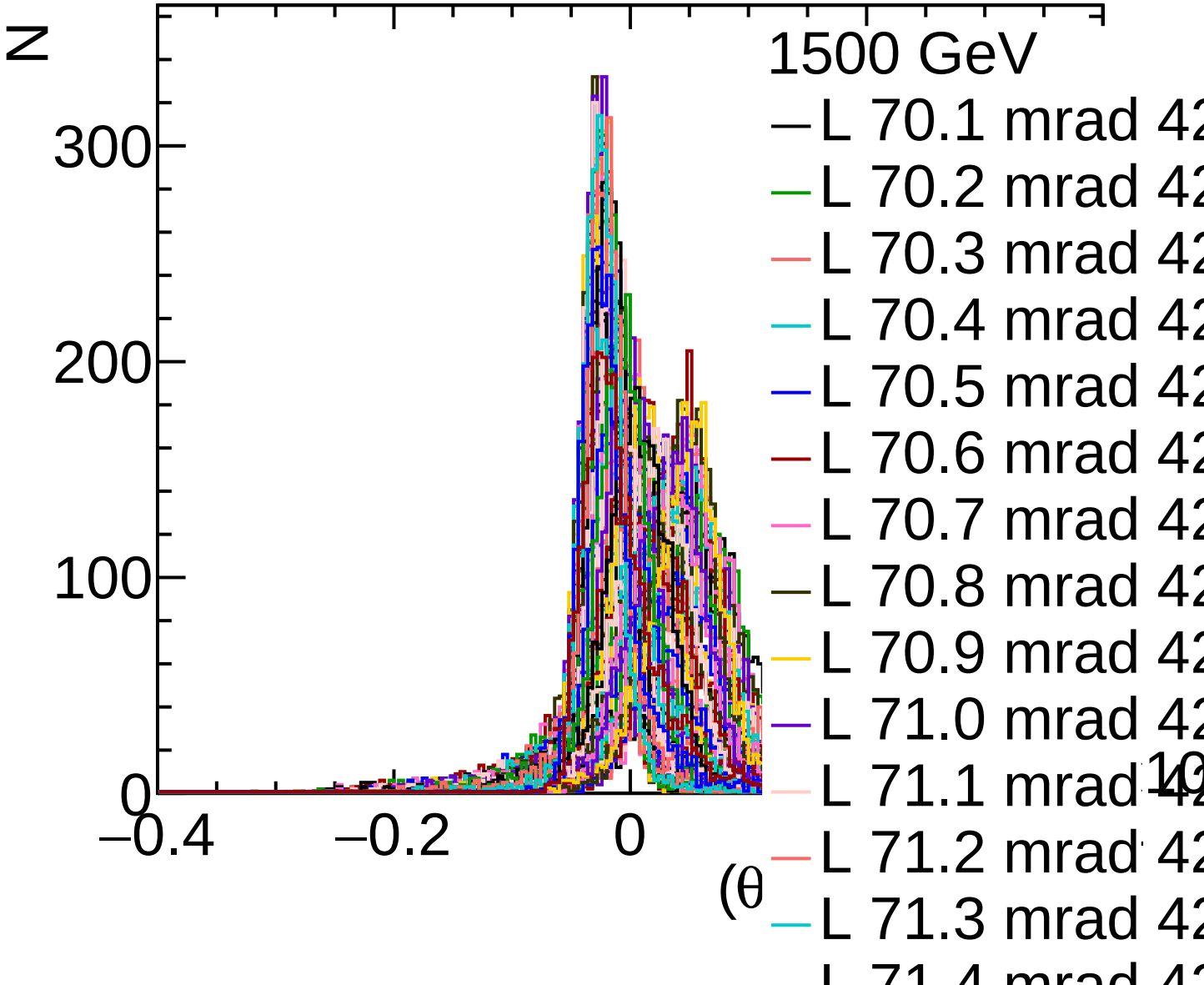

N
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 40
L 60.1 mrad 40
L 60.2 mrad 40
L 60.3 mrad 40
L 60.4 mrad 40
L 60.5 mrad 40
L 60.6 mrad 40
L 60.7 mrad 40
L 60.8 mrad 40
L 60.9 mrad 40
L 61.0 mrad 40
L 61.1 mrad 40
L 61.2 mrad 40

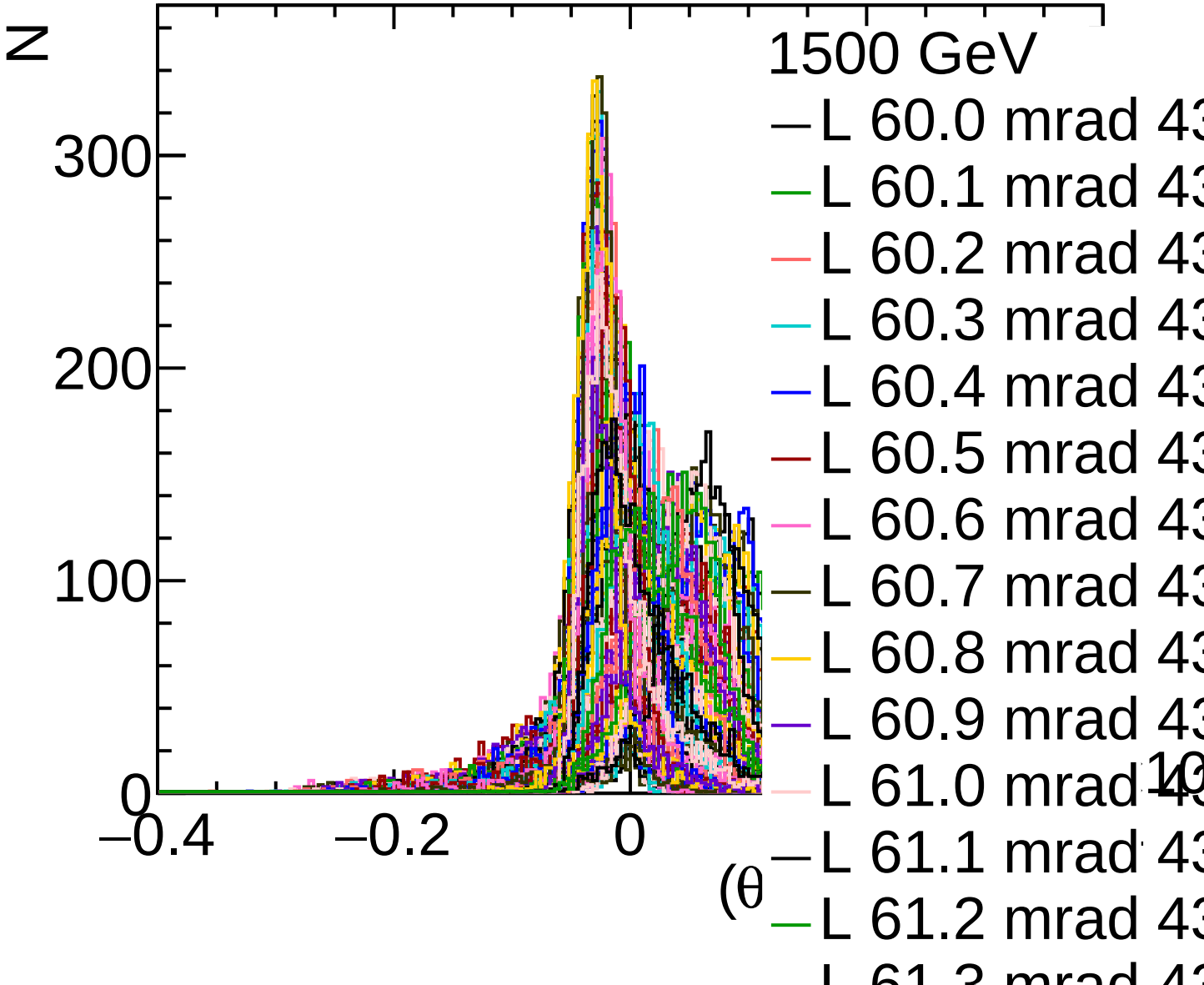

N
250
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 40
L 70.2 mrad 40
L 70.3 mrad 40
L 70.4 mrad 40
L 70.5 mrad 40
L 70.6 mrad 40
L 70.7 mrad 40
L 70.8 mrad 40
L 70.9 mrad 40
L 71.0 mrad 40
L 71.1 mrad 40
L 71.2 mrad 40
L 71.3 mrad 40

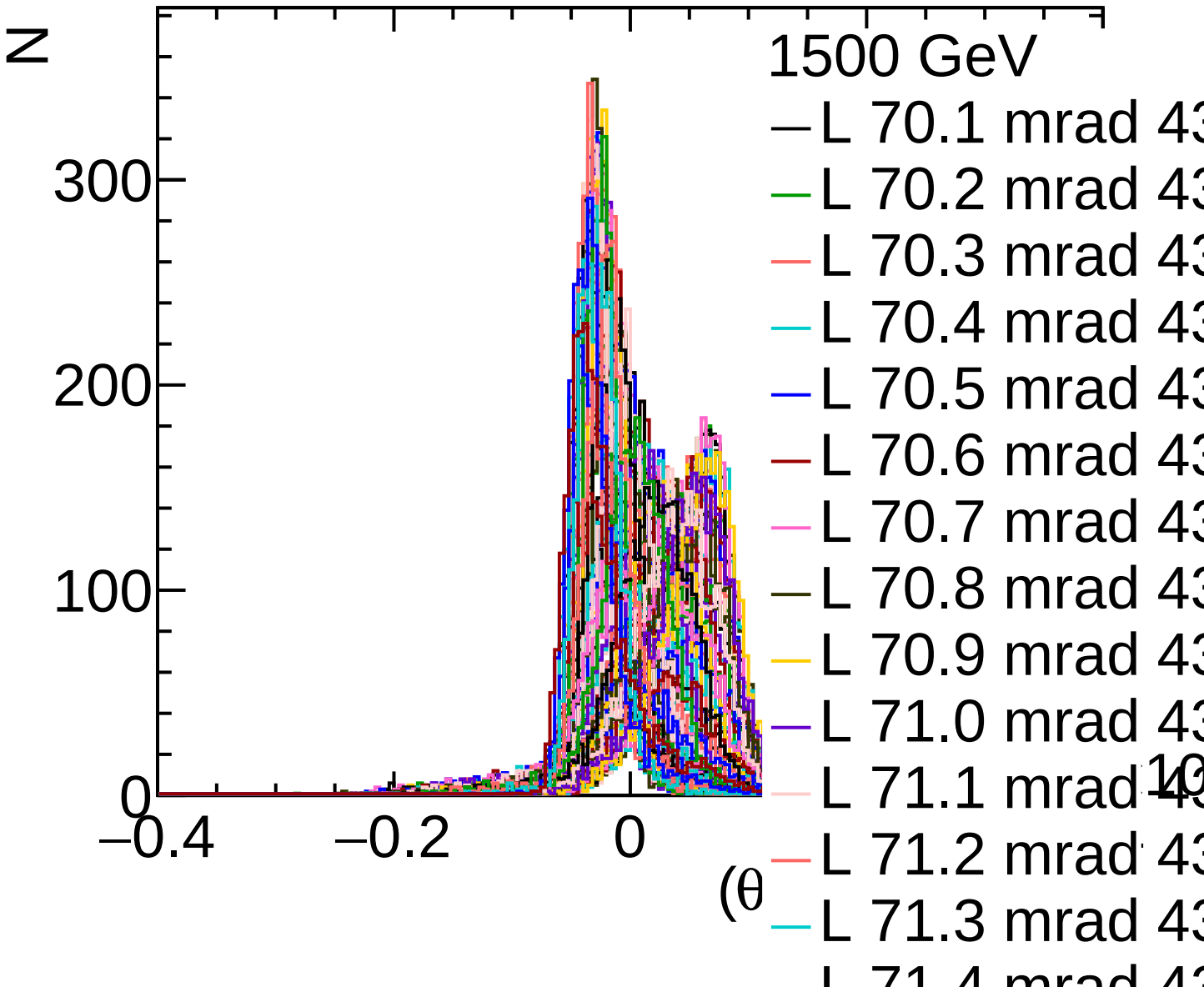

N
250
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 41
L 60.1 mrad 41
L 60.2 mrad 41
L 60.3 mrad 41
L 60.4 mrad 41
L 60.5 mrad 41
L 60.6 mrad 41
L 60.7 mrad 41
L 60.8 mrad 41
L 60.9 mrad 41
L 61.0 mrad 41
L 61.1 mrad 41
L 61.2 mrad 41

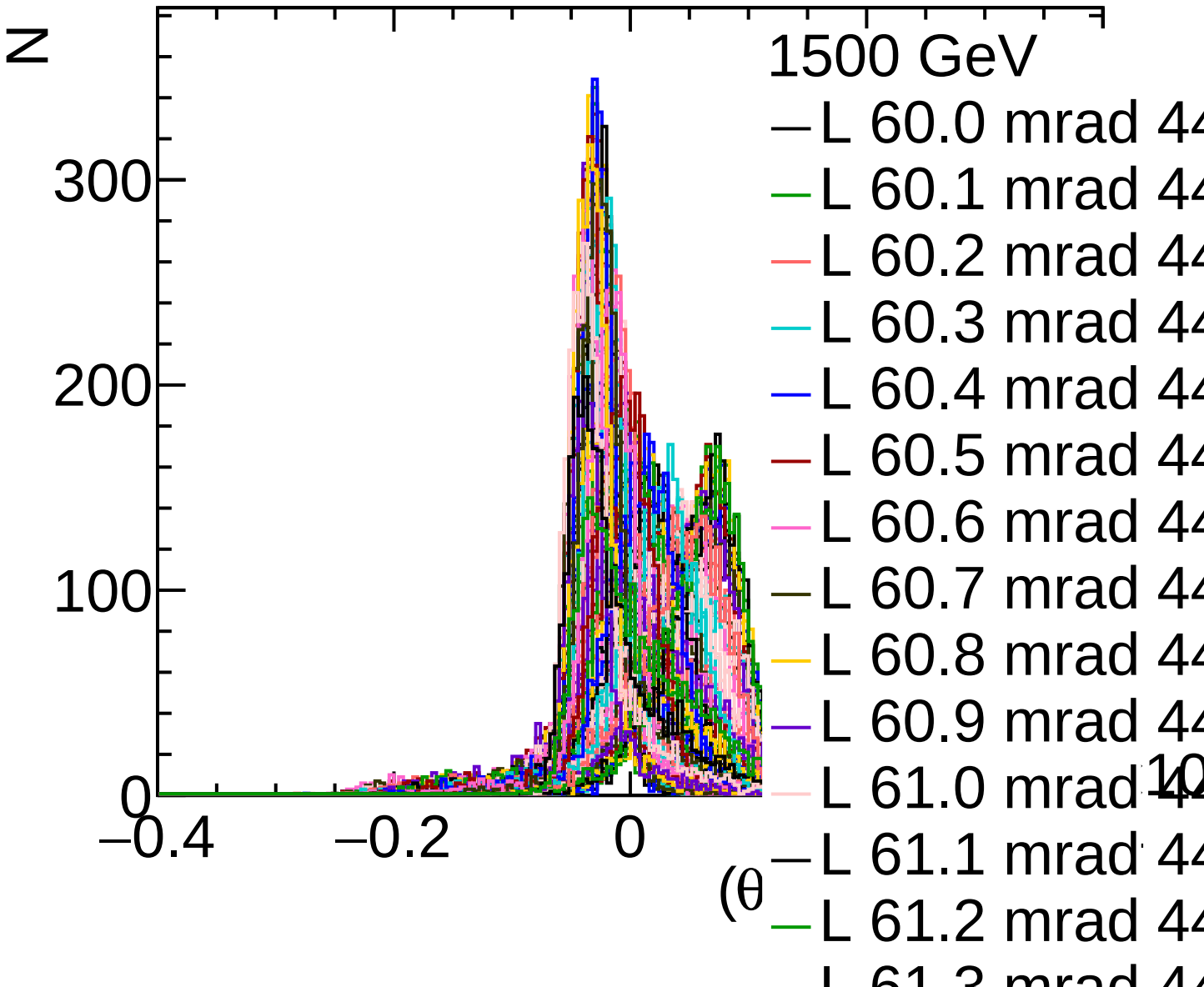

N
300
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 41
L 70.2 mrad 41
L 70.3 mrad 41
L 70.4 mrad 41
L 70.5 mrad 41
L 70.6 mrad 41
L 70.7 mrad 41
L 70.8 mrad 41
L 70.9 mrad 41
L 71.0 mrad 41
L 71.1 mrad 41
L 71.2 mrad 41
L 71.3 mrad 41

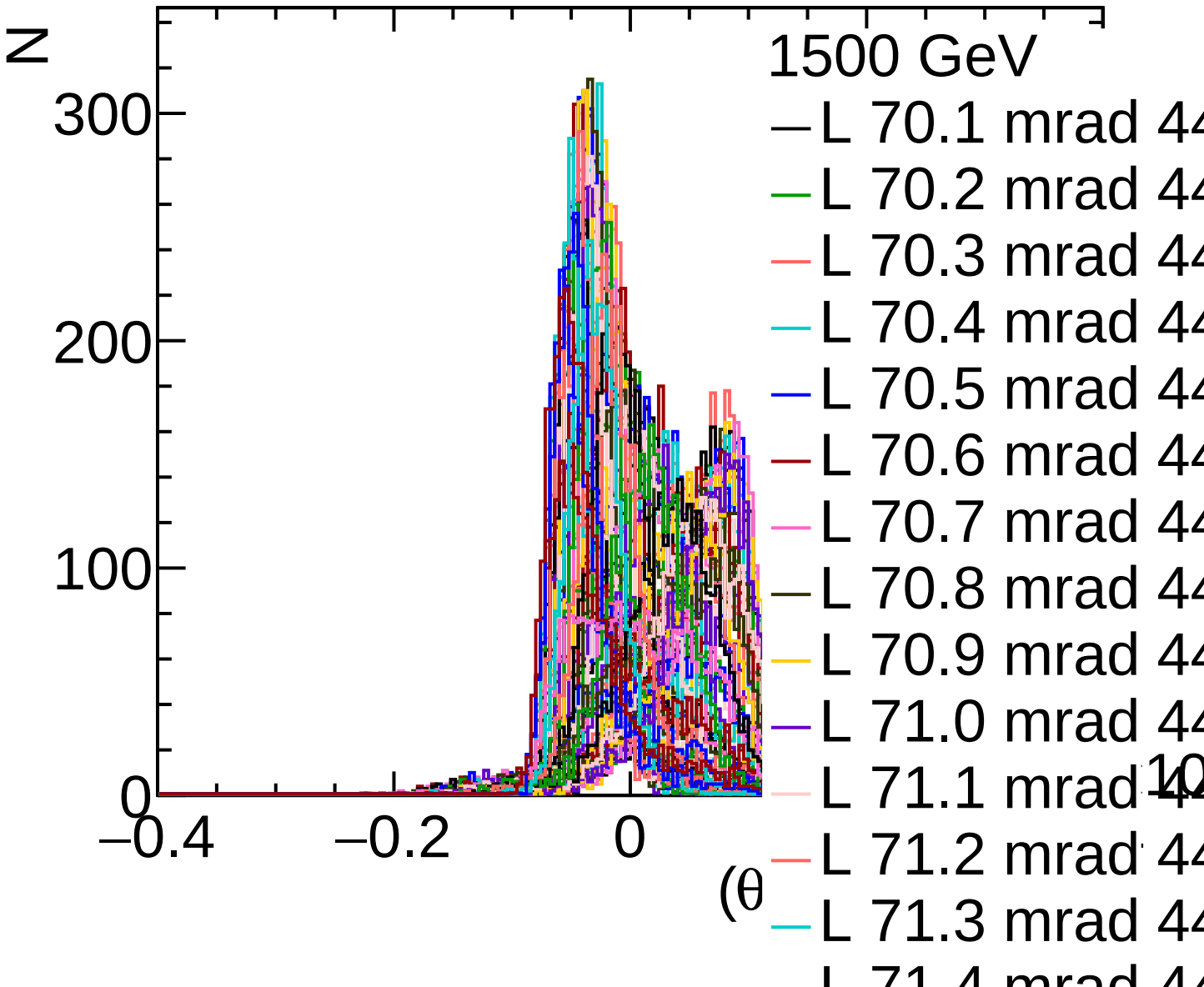

N
300
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 42
L 60.1 mrad 42
L 60.2 mrad 42
L 60.3 mrad 42
L 60.4 mrad 42
L 60.5 mrad 42
L 60.6 mrad 42
L 60.7 mrad 42
L 60.8 mrad 42
L 60.9 mrad 42
L 61.0 mrad 42
L 61.1 mrad 42
L 61.2 mrad 42

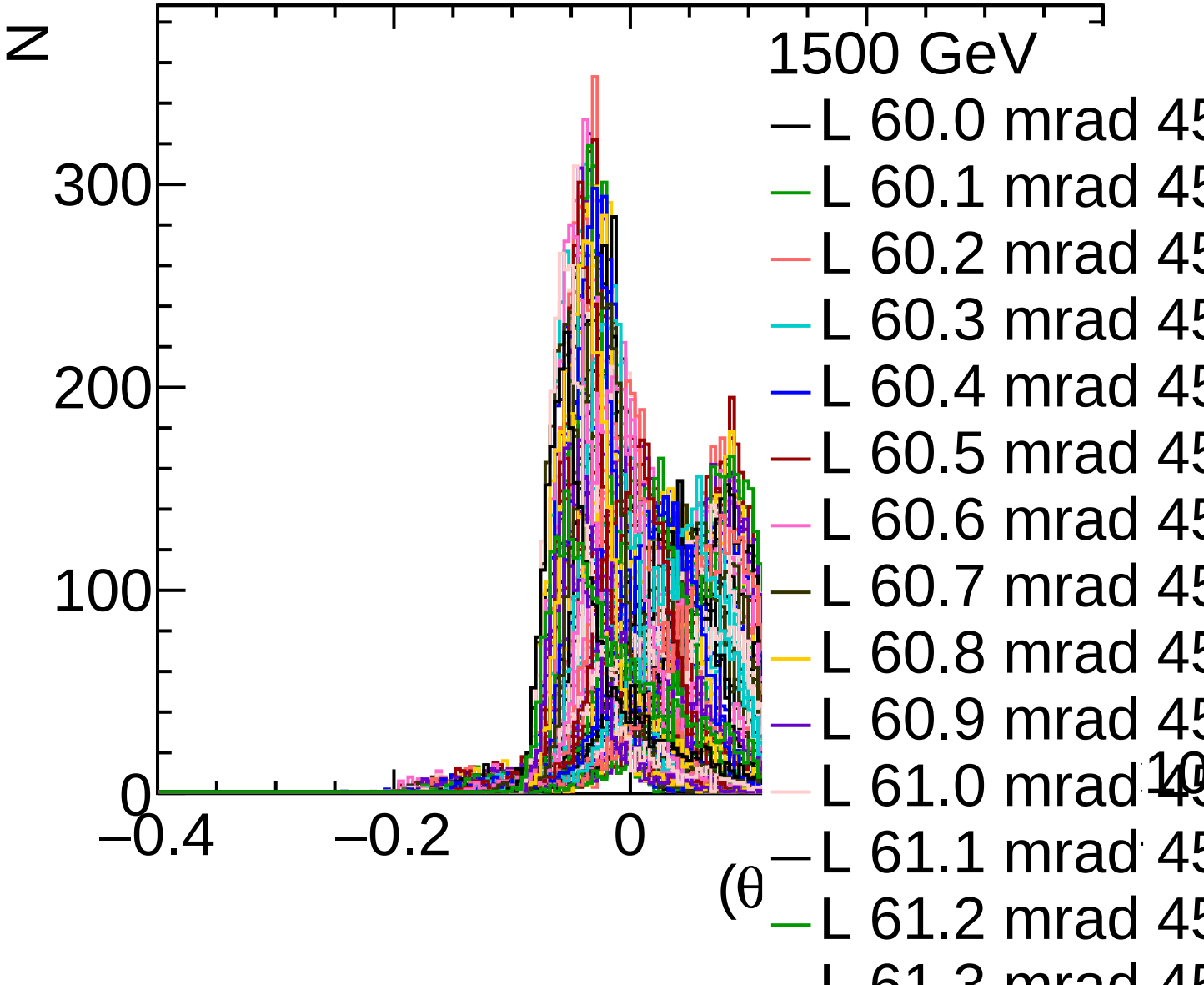

N
300
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 42
L 70.2 mrad 42
L 70.3 mrad 42
L 70.4 mrad 42
L 70.5 mrad 42
L 70.6 mrad 42
L 70.7 mrad 42
L 70.8 mrad 42
L 70.9 mrad 42
L 71.0 mrad 42
L 71.1 mrad 42
L 71.2 mrad 42
L 71.3 mrad 42

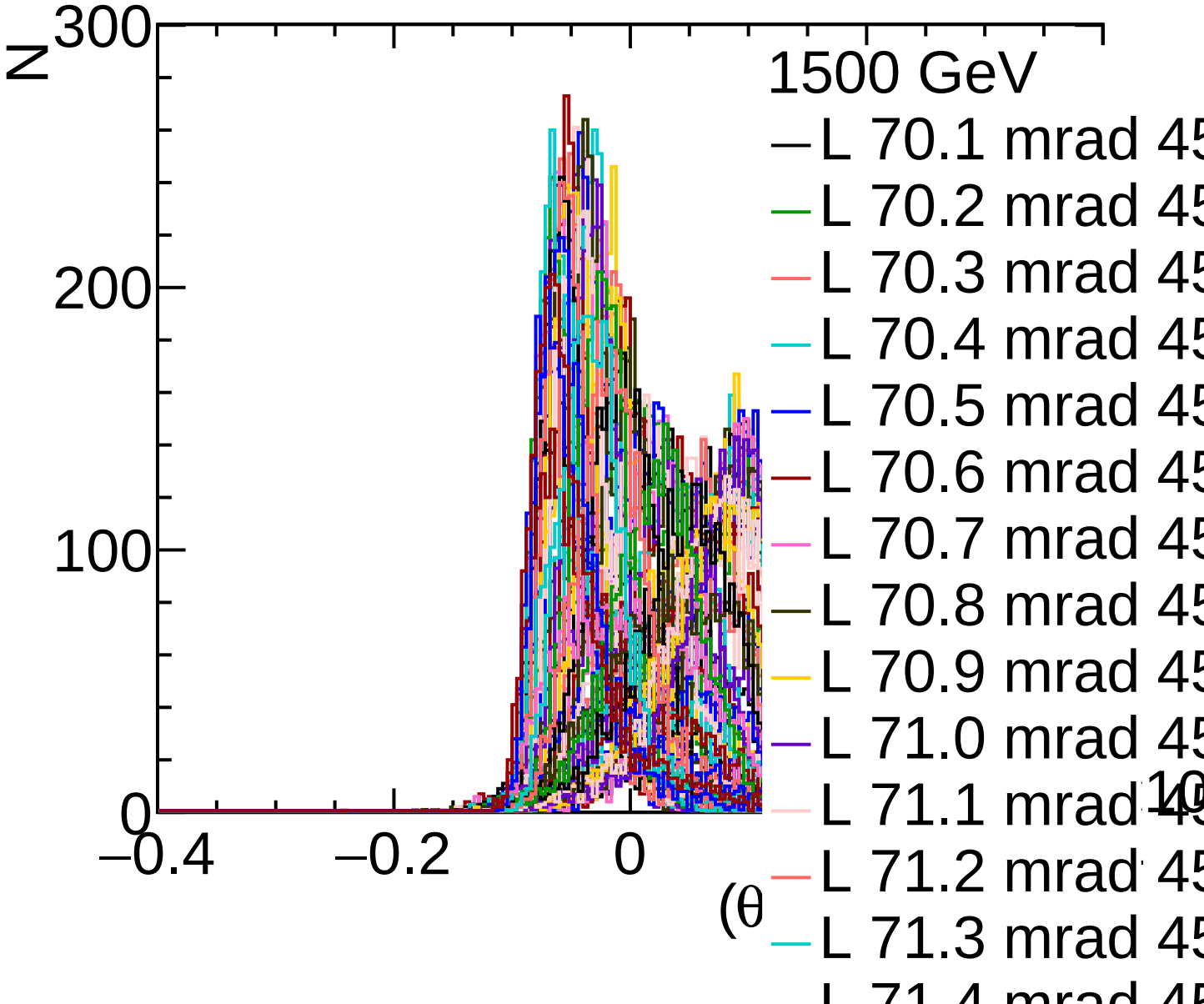

N
300
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 43
L 60.1 mrad 43
L 60.2 mrad 43
L 60.3 mrad 43
L 60.4 mrad 43
L 60.5 mrad 43
L 60.6 mrad 43
L 60.7 mrad 43
L 60.8 mrad 43
L 60.9 mrad 43
L 61.0 mrad 43
L 61.1 mrad 43
L 61.2 mrad 43

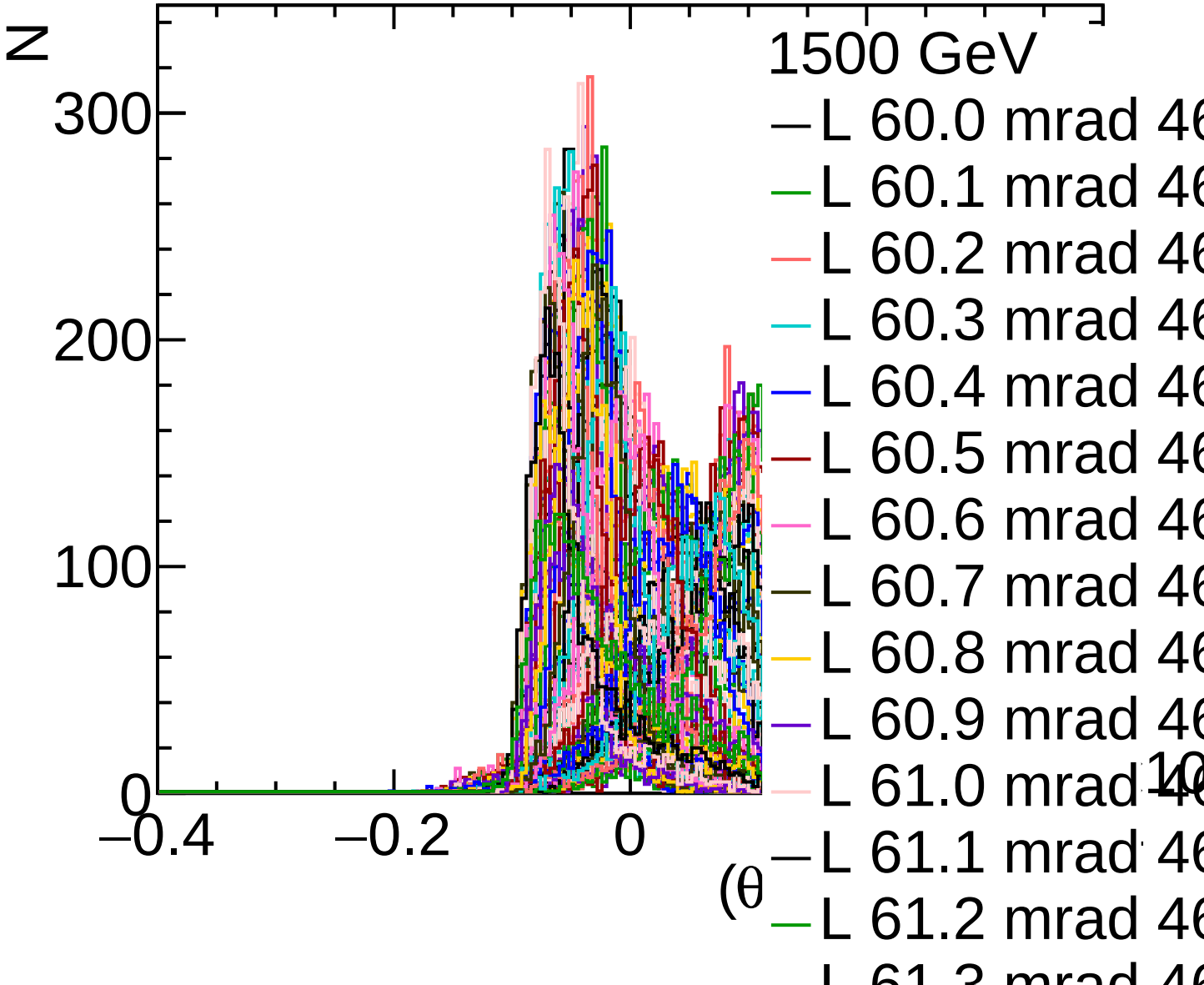

N
300
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 43
L 70.2 mrad 43
L 70.3 mrad 43
L 70.4 mrad 43
L 70.5 mrad 43
L 70.6 mrad 43
L 70.7 mrad 43
L 70.8 mrad 43
L 70.9 mrad 43
L 71.0 mrad 43
L 71.1 mrad 43
L 71.2 mrad 43
L 71.3 mrad 43

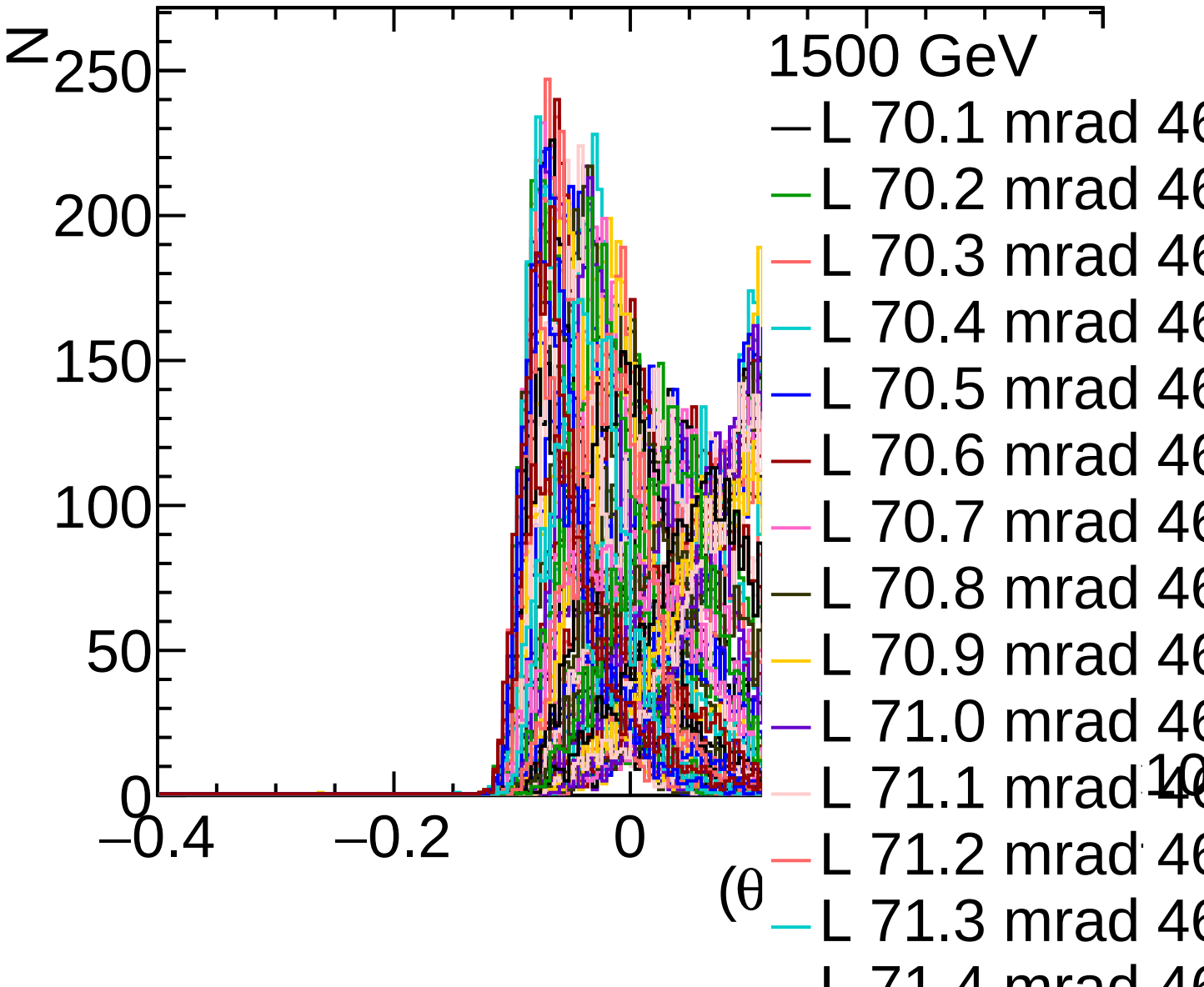

N
300
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 44
L 60.1 mrad 44
L 60.2 mrad 44
L 60.3 mrad 44
L 60.4 mrad 44
L 60.5 mrad 44
L 60.6 mrad 44
L 60.7 mrad 44
L 60.8 mrad 44
L 60.9 mrad 44
L 61.0 mrad 44
L 61.1 mrad 44
L 61.2 mrad 44
L 61.3 mrad 44


N
300
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 44
L 70.2 mrad 44
L 70.3 mrad 44
L 70.4 mrad 44
L 70.5 mrad 44
L 70.6 mrad 44
L 70.7 mrad 44
L 70.8 mrad 44
L 70.9 mrad 44
L 71.0 mrad 44
L 71.1 mrad 44
L 71.2 mrad 44
L 71.3 mrad 44


N
300
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 45
L 60.1 mrad 45
L 60.2 mrad 45
L 60.3 mrad 45
L 60.4 mrad 45
L 60.5 mrad 45
L 60.6 mrad 45
L 60.7 mrad 45
L 60.8 mrad 45
L 60.9 mrad 45
L 61.0 mrad 45
L 61.1 mrad 45
L 61.2 mrad 45
L 61.3 mrad 45


N
300
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 45
L 70.2 mrad 45
L 70.3 mrad 45
L 70.4 mrad 45
L 70.5 mrad 45
L 70.6 mrad 45
L 70.7 mrad 45
L 70.8 mrad 45
L 70.9 mrad 45
L 71.0 mrad 45
L 71.1 mrad 45
L 71.2 mrad 45
L 71.3 mrad 45


N
300
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 46
L 60.1 mrad 46
L 60.2 mrad 46
L 60.3 mrad 46
L 60.4 mrad 46
L 60.5 mrad 46
L 60.6 mrad 46
L 60.7 mrad 46
L 60.8 mrad 46
L 60.9 mrad 46
L 61.0 mrad 46
L 61.1 mrad 46
L 61.2 mrad 46


N
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200
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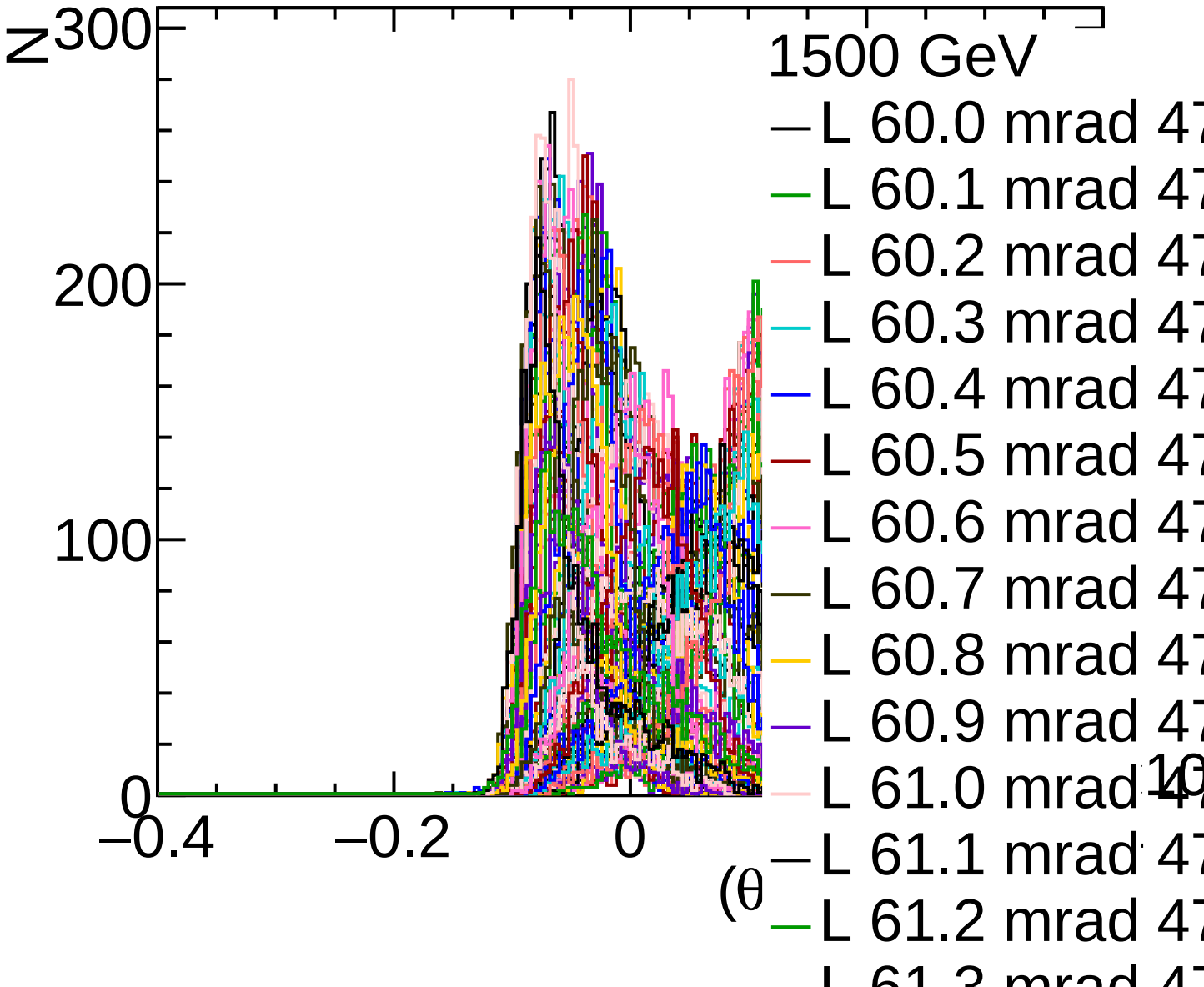
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 46
L 70.2 mrad 46
L 70.3 mrad 46
L 70.4 mrad 46
L 70.5 mrad 46
L 70.6 mrad 46
L 70.7 mrad 46
L 70.8 mrad 46
L 70.9 mrad 46
L 71.0 mrad 46
L 71.1 mrad 46
L 71.2 mrad 46
L 71.3 mrad 46


N
300
200
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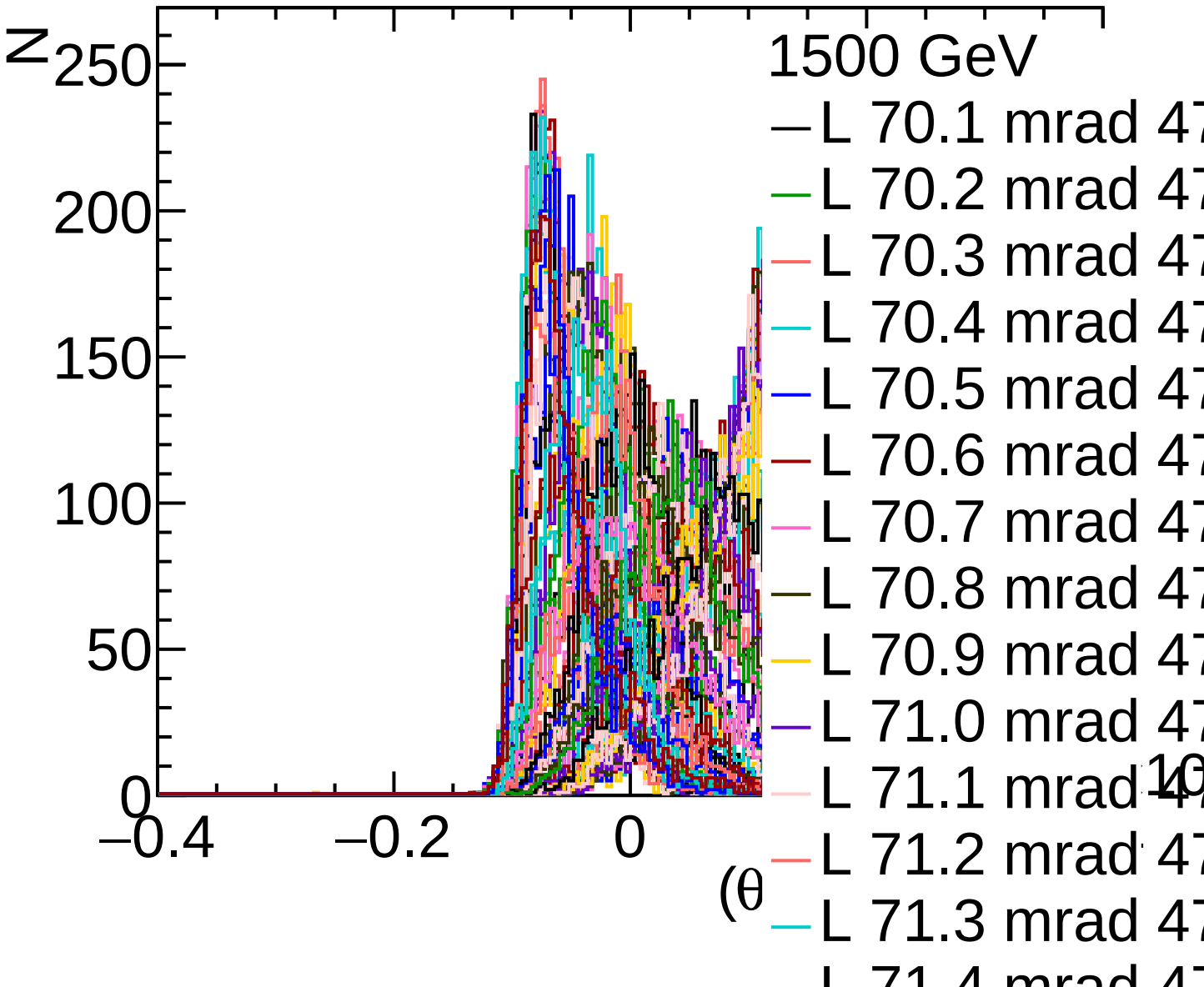
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 47
L 60.1 mrad 47
L 60.2 mrad 47
L 60.3 mrad 47
L 60.4 mrad 47
L 60.5 mrad 47
L 60.6 mrad 47
L 60.7 mrad 47
L 60.8 mrad 47
L 60.9 mrad 47
L 61.0 mrad 47
L 61.1 mrad 47
L 61.2 mrad 47


N
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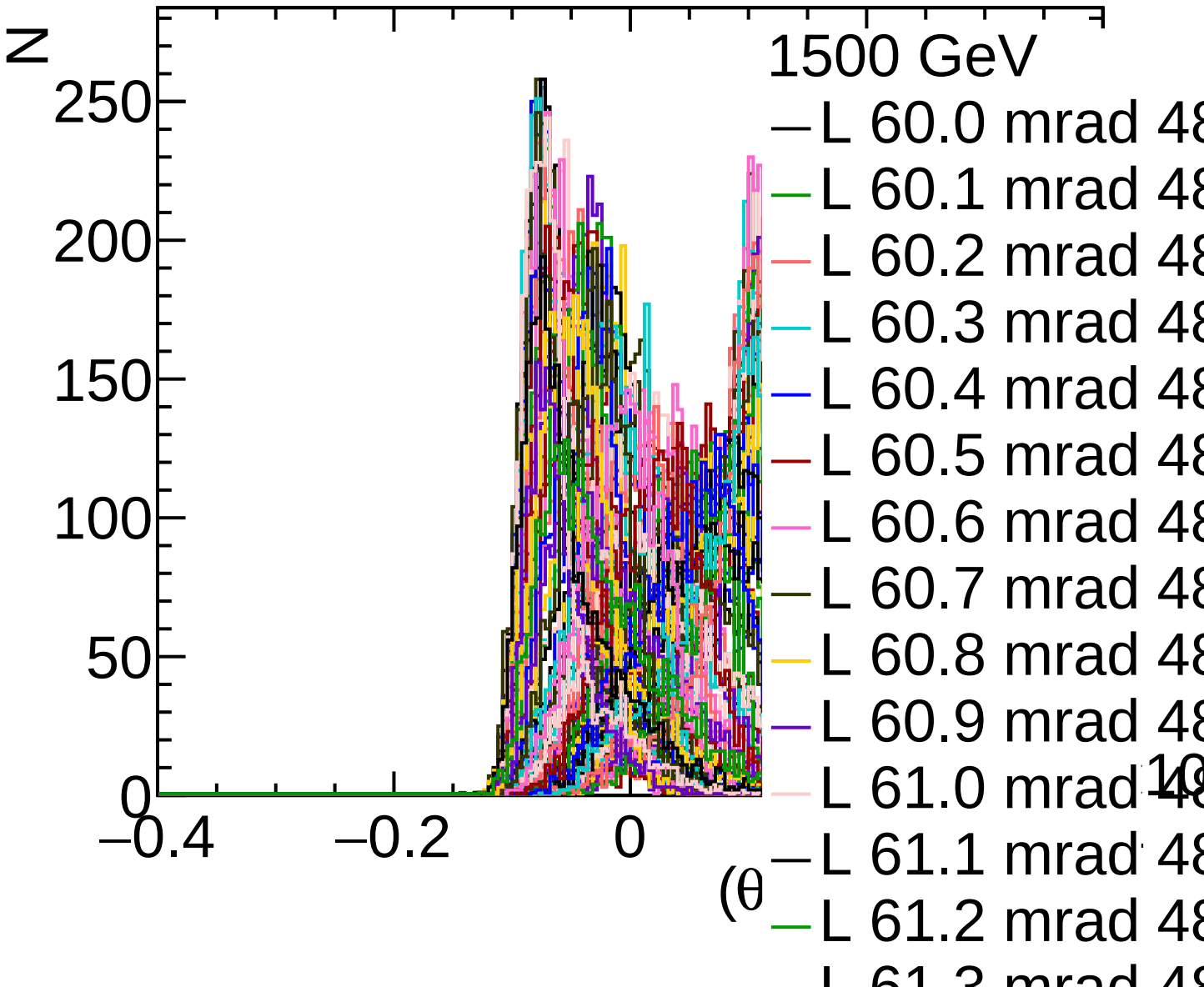
(θ
1500 GeV
L 70.1 mrad 47
L 70.2 mrad 47
L 70.3 mrad 47
L 70.4 mrad 47
L 70.5 mrad 47
L 70.6 mrad 47
L 70.7 mrad 47
L 70.8 mrad 47
L 70.9 mrad 47
L 71.0 mrad 47
L 71.1 mrad 47
L 71.2 mrad 47
L 71.3 mrad 47


N
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100
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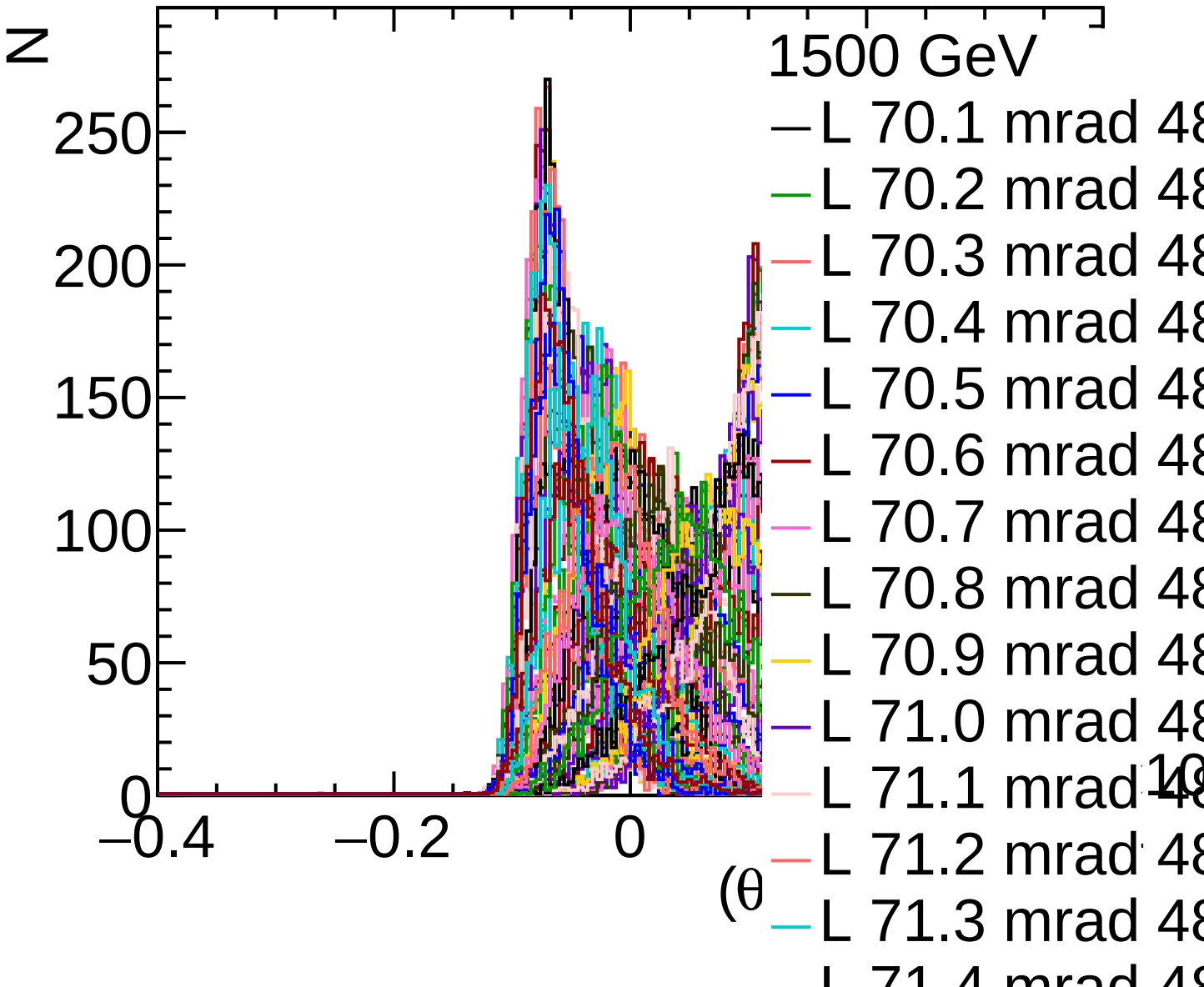
0
(θ
1500 GeV
L 60.0 mrad 48
L 60.1 mrad 48
L 60.2 mrad 48
L 60.3 mrad 48
L 60.4 mrad 48
L 60.5 mrad 48
L 60.6 mrad 48
L 60.7 mrad 48
L 60.8 mrad 48
L 60.9 mrad 48
L 61.0 mrad 48
L 61.1 mrad 48
L 61.2 mrad 48


N
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150
100
50
0
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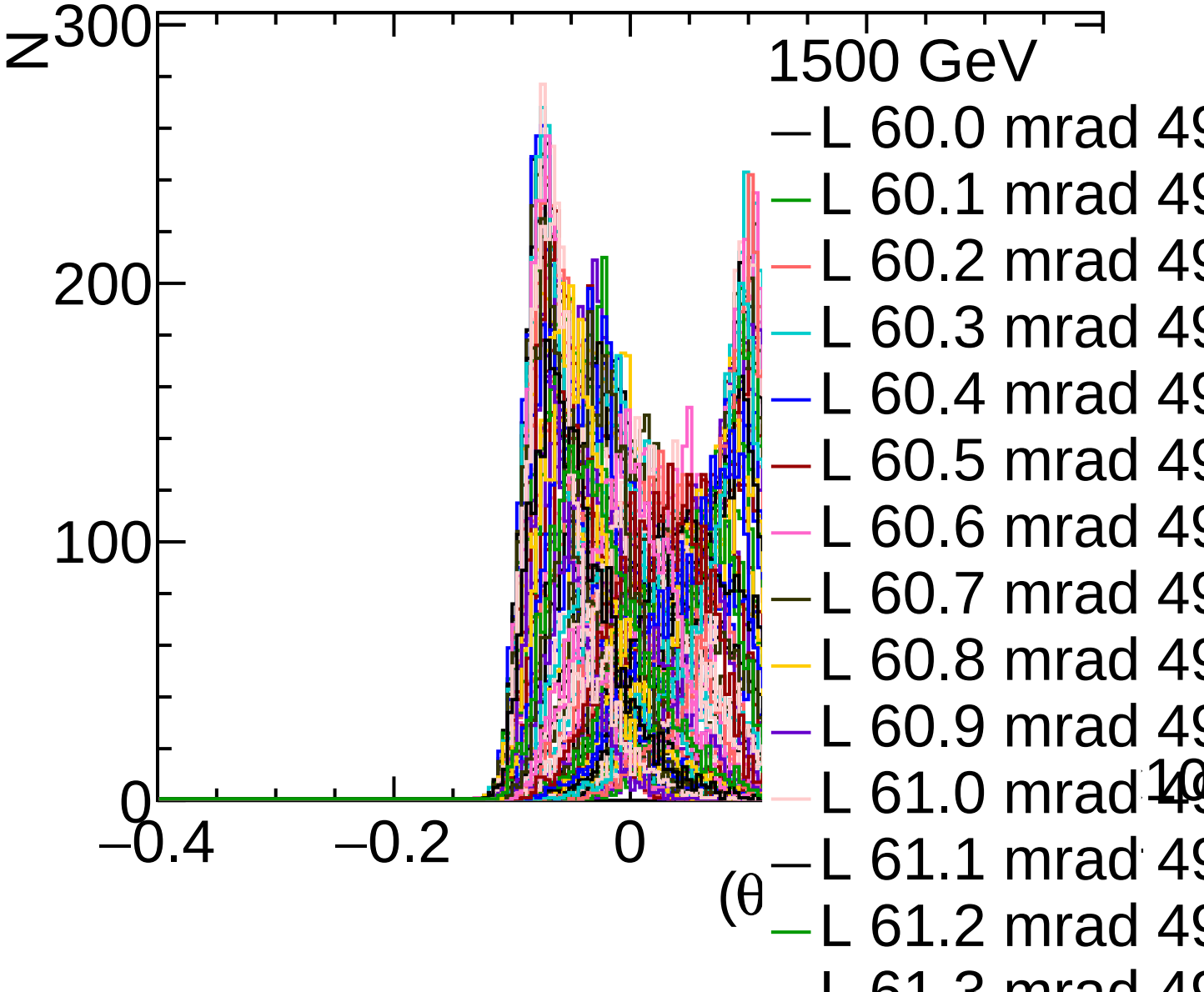
–0.2
0
(θ
1500 GeV
L 70.1 mrad 48
L 70.2 mrad 48
L 70.3 mrad 48
L 70.4 mrad 48
L 70.5 mrad 48
L 70.6 mrad 48
L 70.7 mrad 48
L 70.8 mrad 48
L 70.9 mrad 48
L 71.0 mrad 48
L 71.1 mrad 48
L 71.2 mrad 48
L 71.3 mrad 48


N
300
200
100
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–0.4
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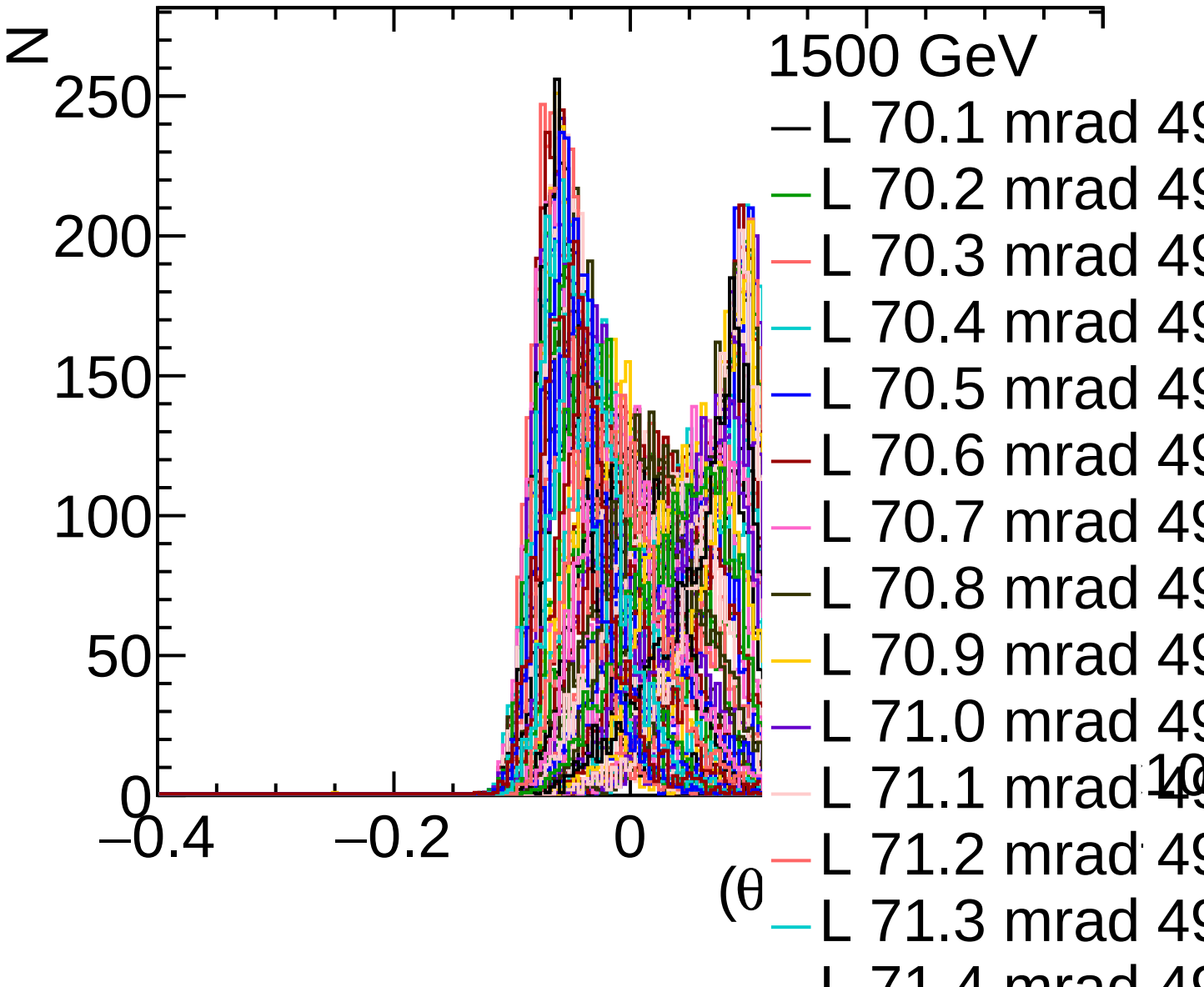
0
(θ
1500 GeV
L 60.0 mrad 49
L 60.1 mrad 49
L 60.2 mrad 49
L 60.3 mrad 49
L 60.4 mrad 49
L 60.5 mrad 49
L 60.6 mrad 49
L 60.7 mrad 49
L 60.8 mrad 49
L 60.9 mrad 49
L 61.0 mrad 49
L 61.1 mrad 49
L 61.2 mrad 49


N
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200
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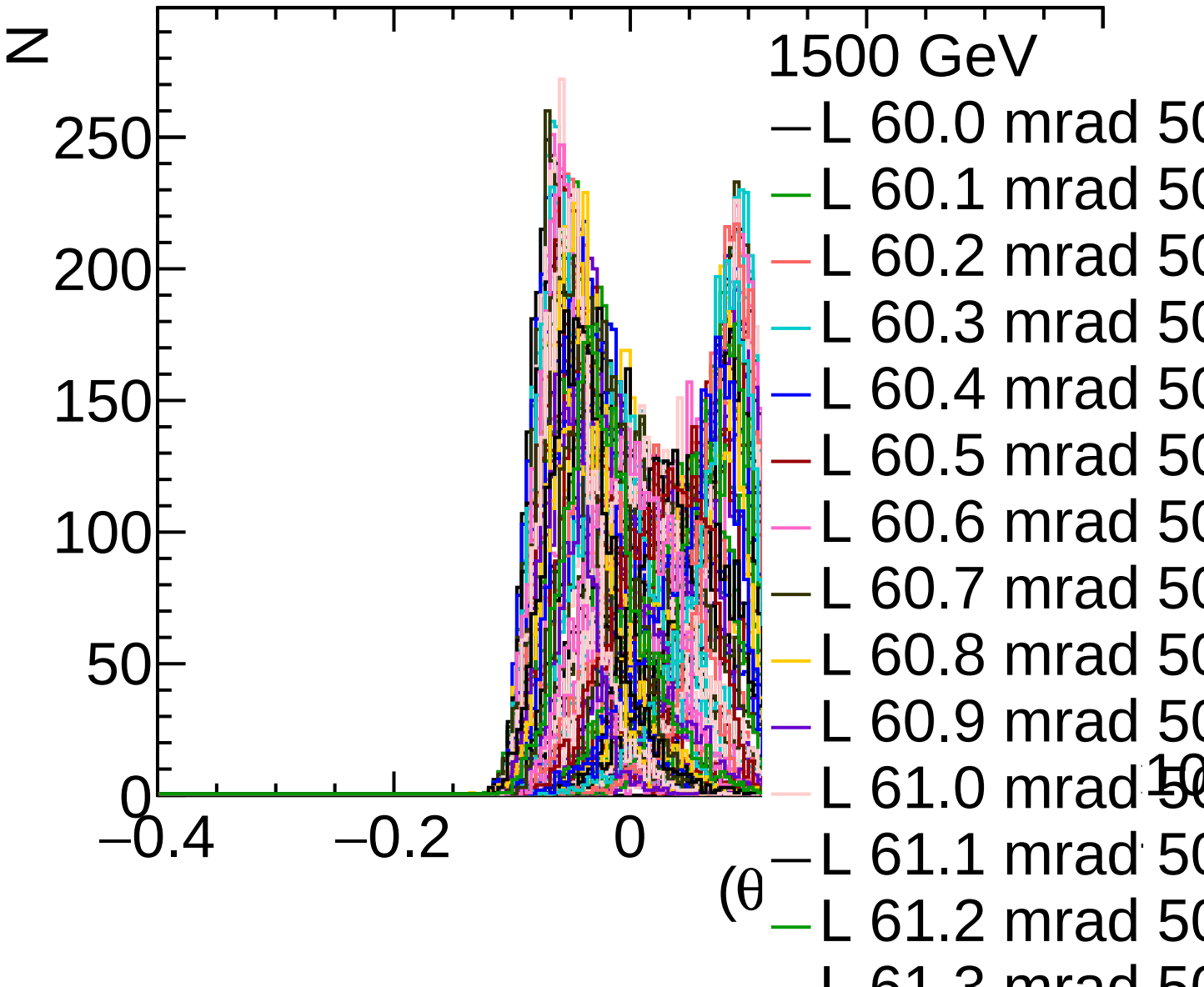
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 49
L 70.2 mrad 49
L 70.3 mrad 49
L 70.4 mrad 49
L 70.5 mrad 49
L 70.6 mrad 49
L 70.7 mrad 49
L 70.8 mrad 49
L 70.9 mrad 49
L 71.0 mrad 49
L 71.1 mrad 49
L 71.2 mrad 49
L 71.3 mrad 49


N
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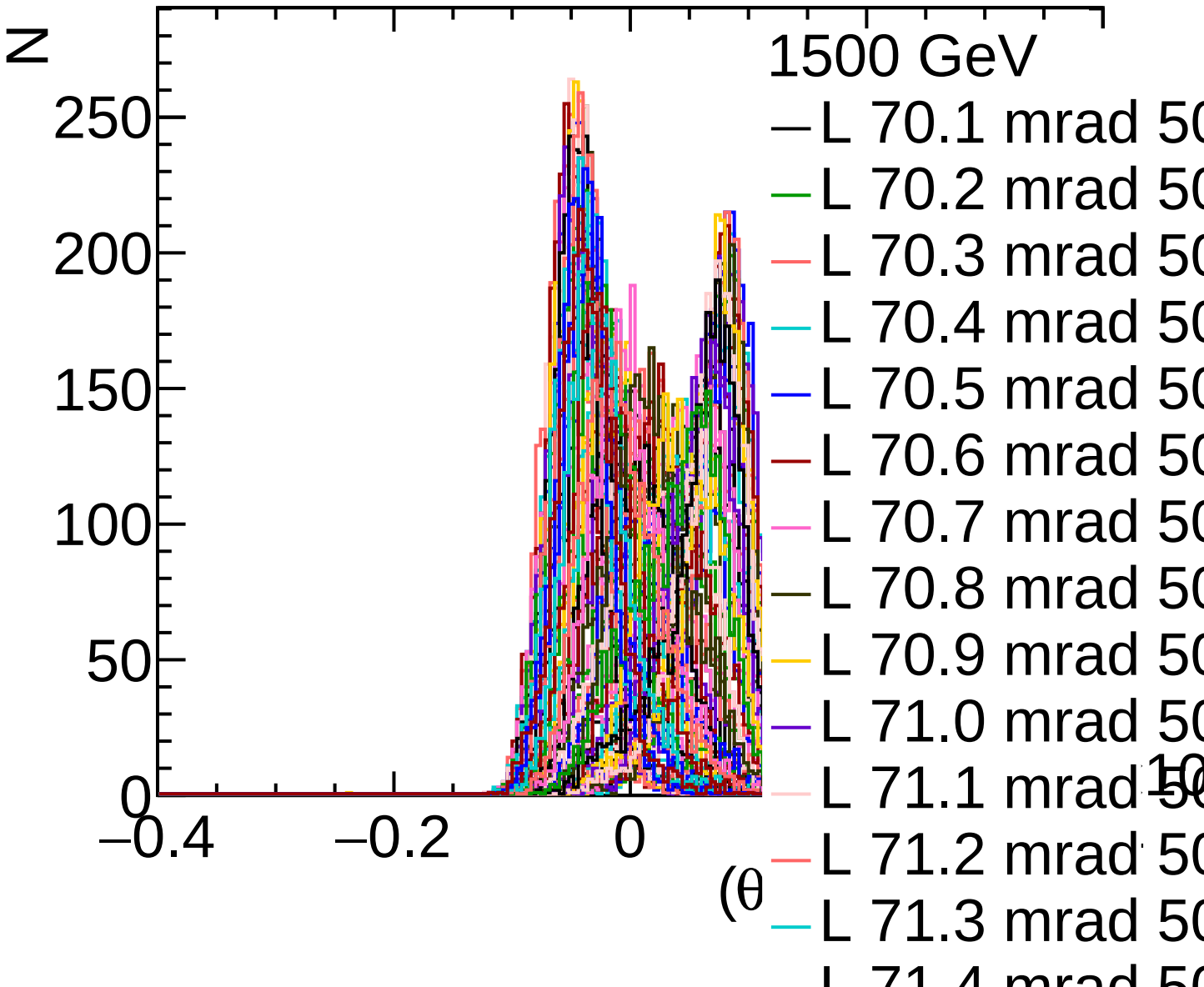
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 50
L 60.1 mrad 50
L 60.2 mrad 50
L 60.3 mrad 50
L 60.4 mrad 50
L 60.5 mrad 50
L 60.6 mrad 50
L 60.7 mrad 50
L 60.8 mrad 50
L 60.9 mrad 50
L 61.0 mrad 50
L 61.1 mrad 50
L 61.2 mrad 50
L 61.3 mrad 50


N
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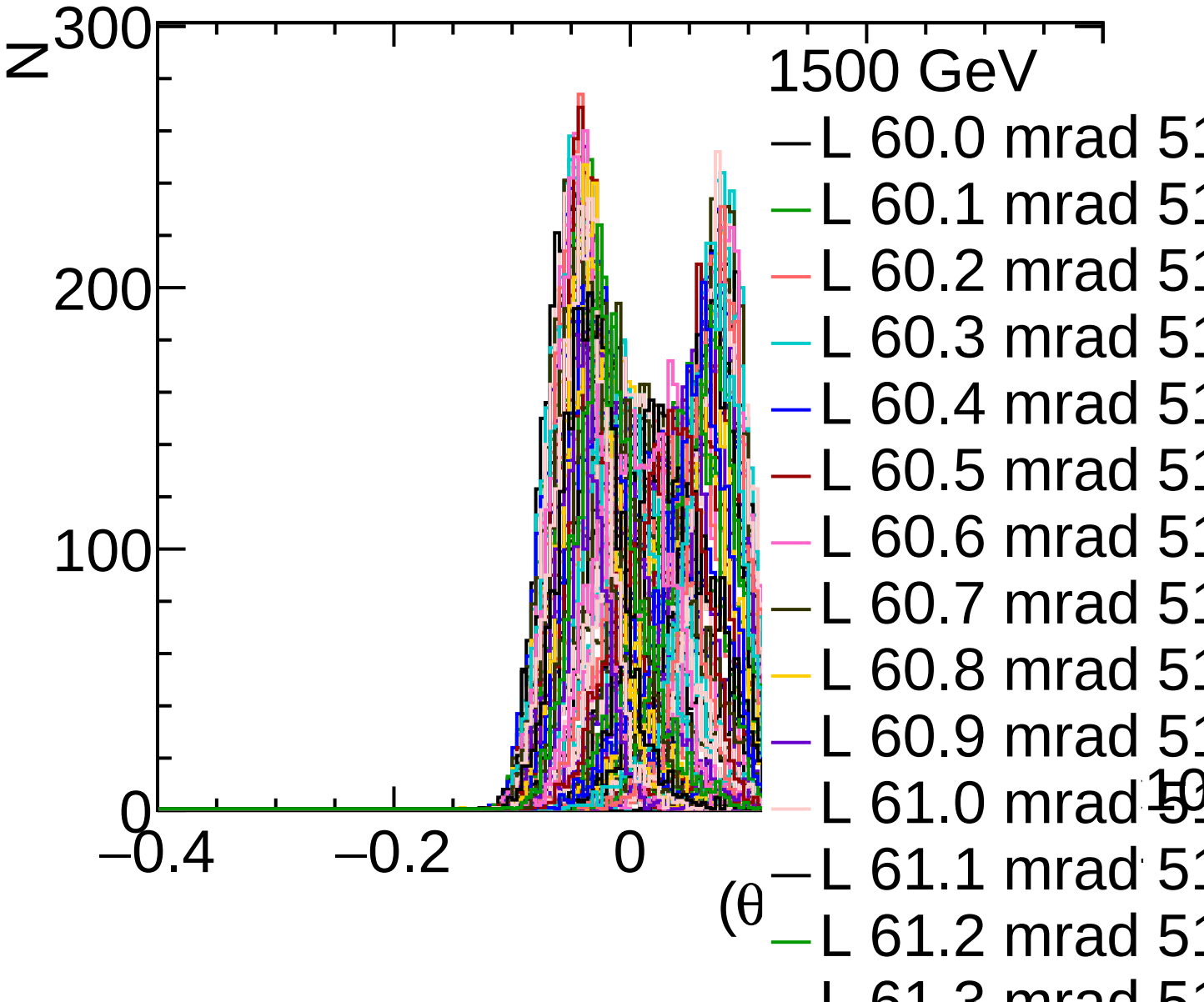
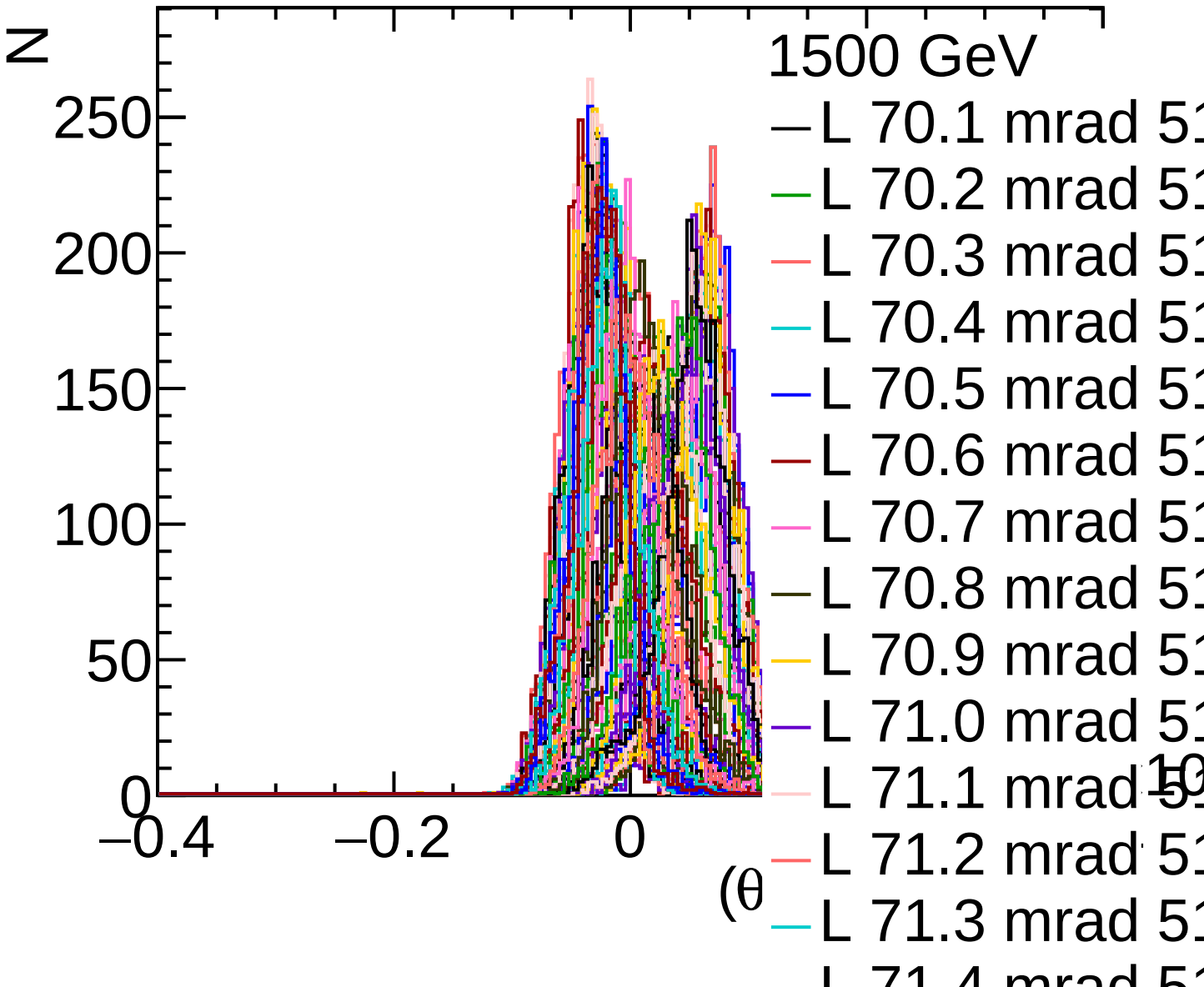
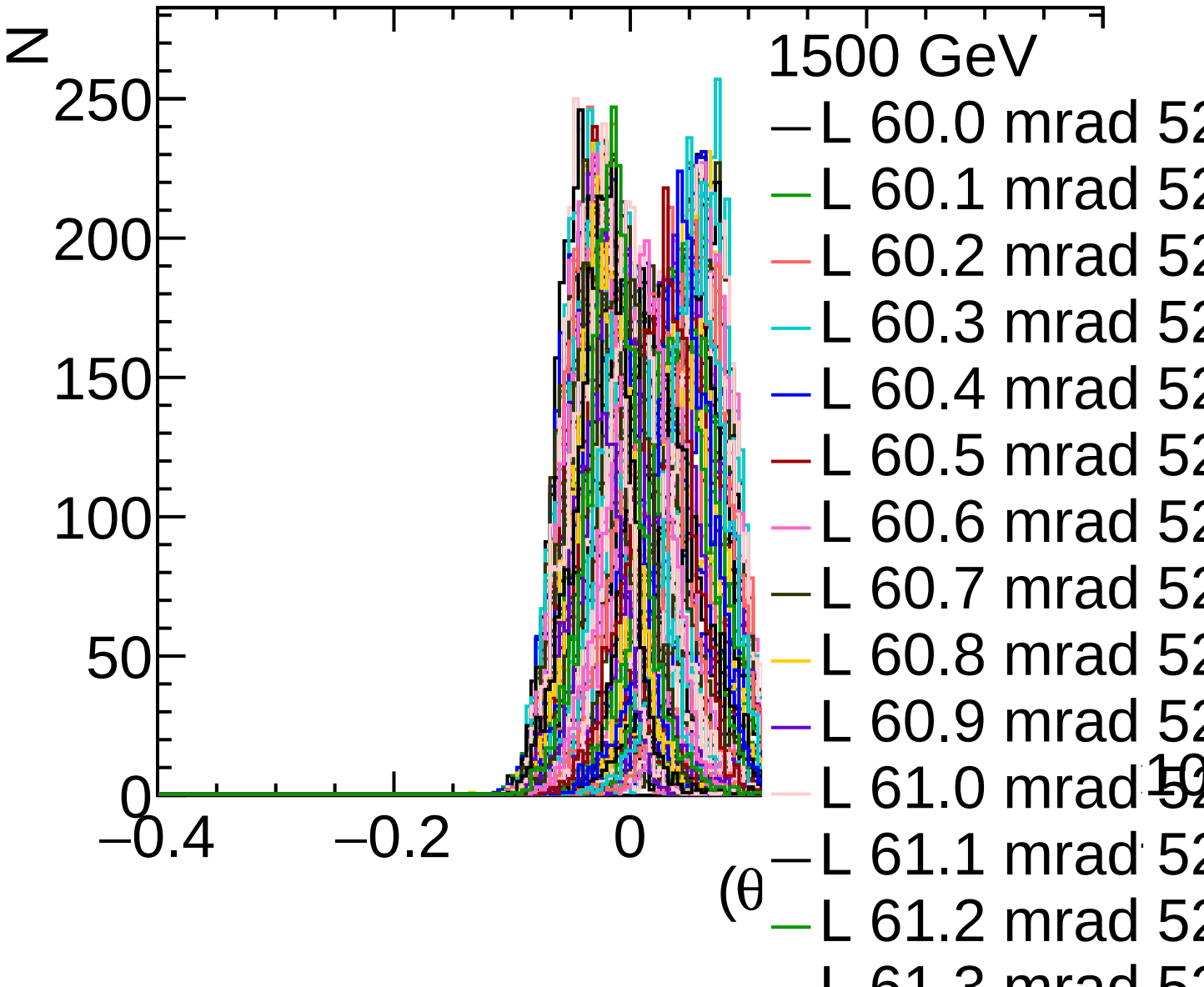
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 50
L 70.2 mrad 50
L 70.3 mrad 50
L 70.4 mrad 50
L 70.5 mrad 50
L 70.6 mrad 50
L 70.7 mrad 50
L 70.8 mrad 50
L 70.9 mrad 50
L 71.0 mrad 50
L 71.1 mrad 50
L 71.2 mrad 50
L 71.3 mrad 50


N
300
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 51
L 60.1 mrad 51
L 60.2 mrad 51
L 60.3 mrad 51
L 60.4 mrad 51
L 60.5 mrad 51
L 60.6 mrad 51
L 60.7 mrad 51
L 60.8 mrad 51
L 60.9 mrad 51
L 61.0 mrad 51
L 61.1 mrad 51
L 61.2 mrad 51
L 61.3 mrad 51


N
250
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 51
L 70.2 mrad 51
L 70.3 mrad 51
L 70.4 mrad 51
L 70.5 mrad 51
L 70.6 mrad 51
L 70.7 mrad 51
L 70.8 mrad 51
L 70.9 mrad 51
L 71.0 mrad 51
L 71.1 mrad 51
L 71.2 mrad 51
L 71.3 mrad 51


N
250
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 52
L 60.1 mrad 52
L 60.2 mrad 52
L 60.3 mrad 52
L 60.4 mrad 52
L 60.5 mrad 52
L 60.6 mrad 52
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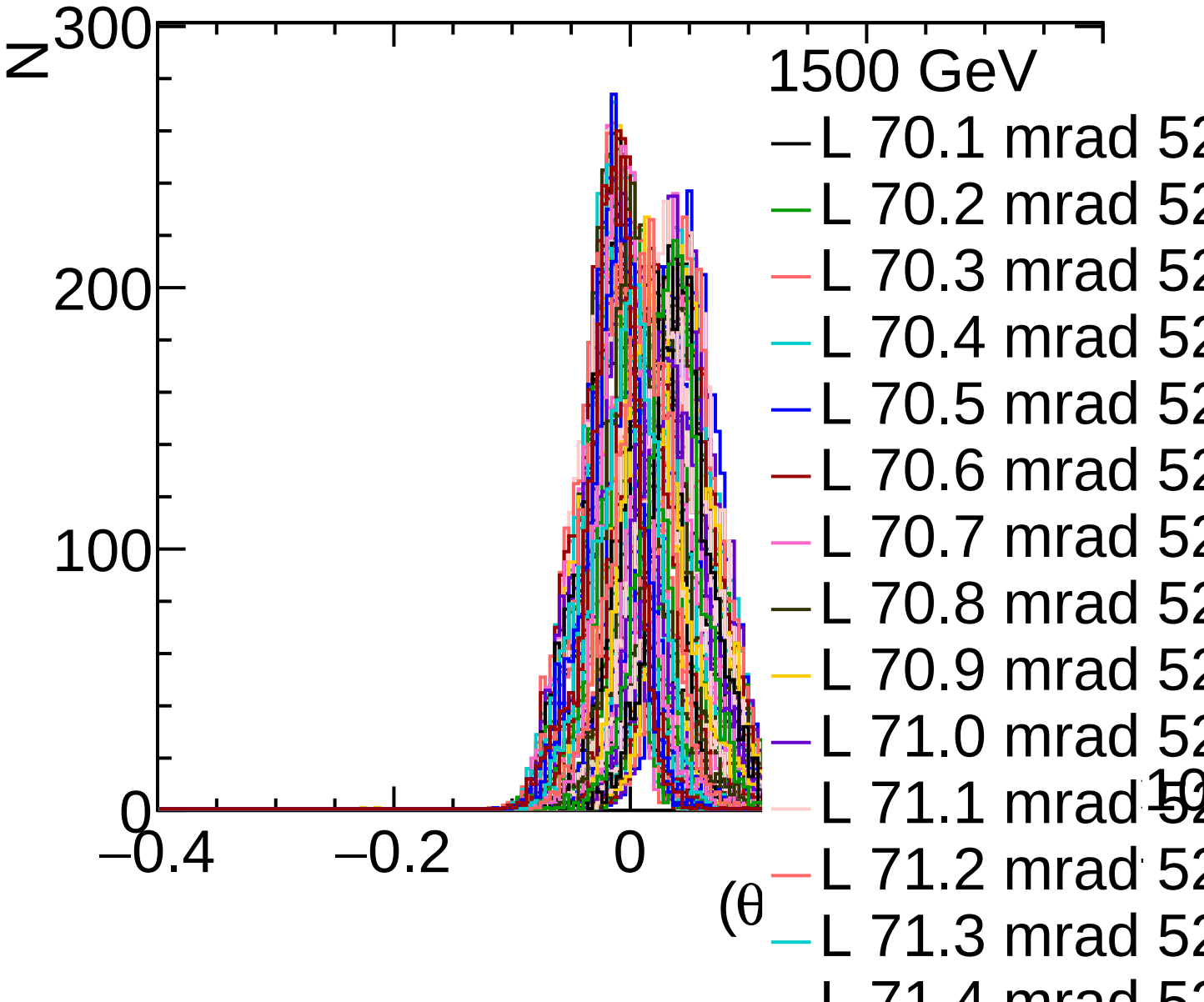
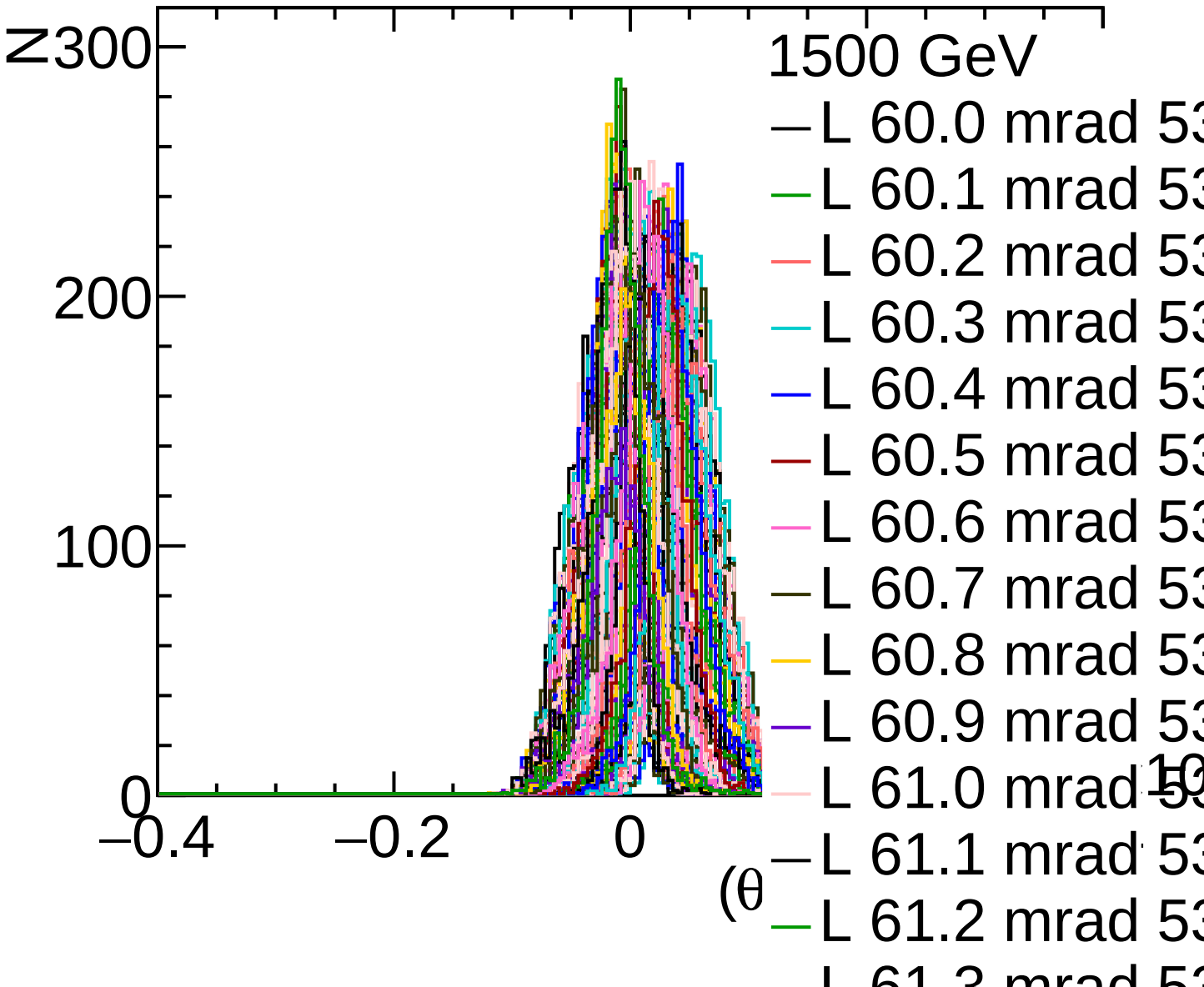
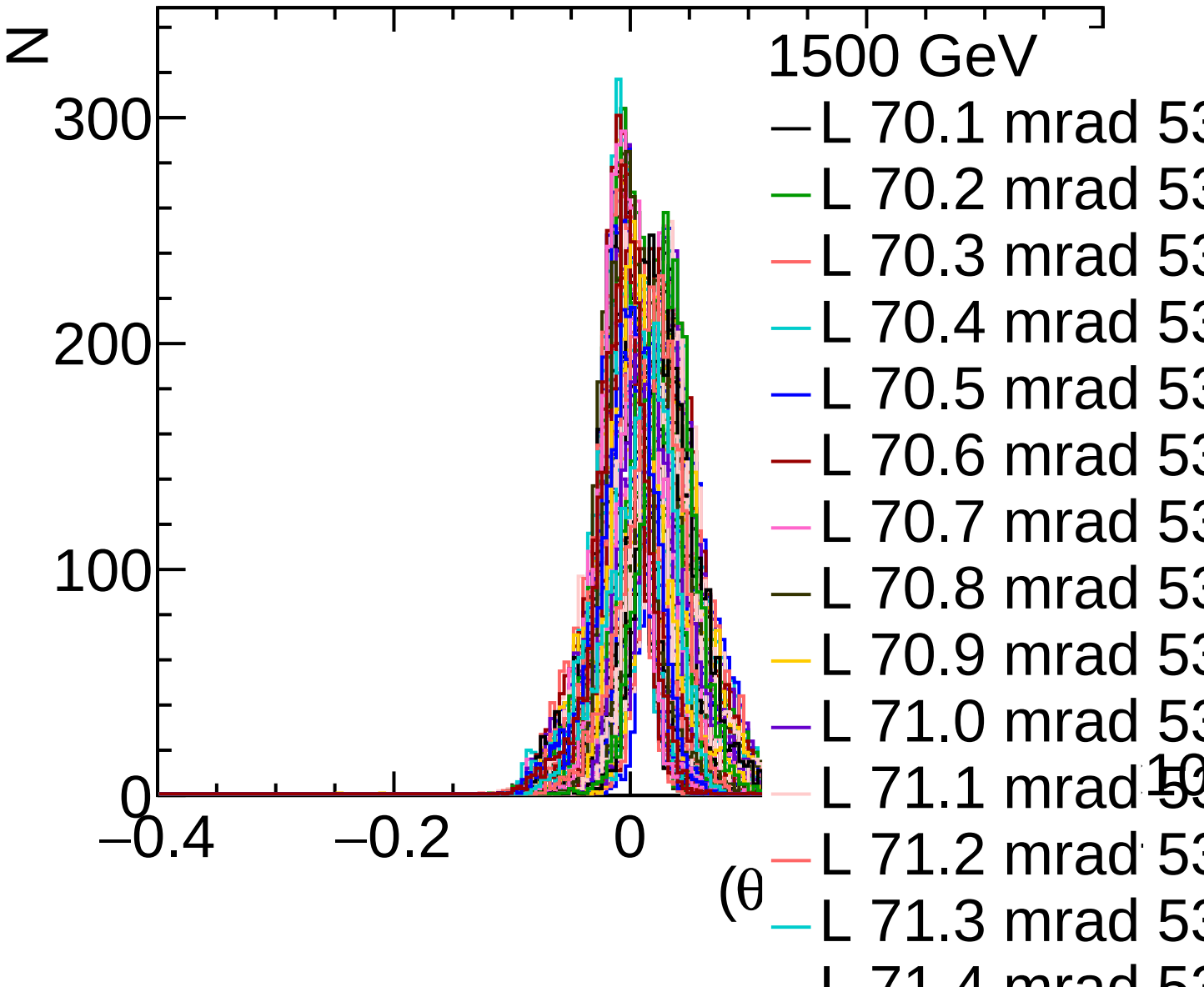
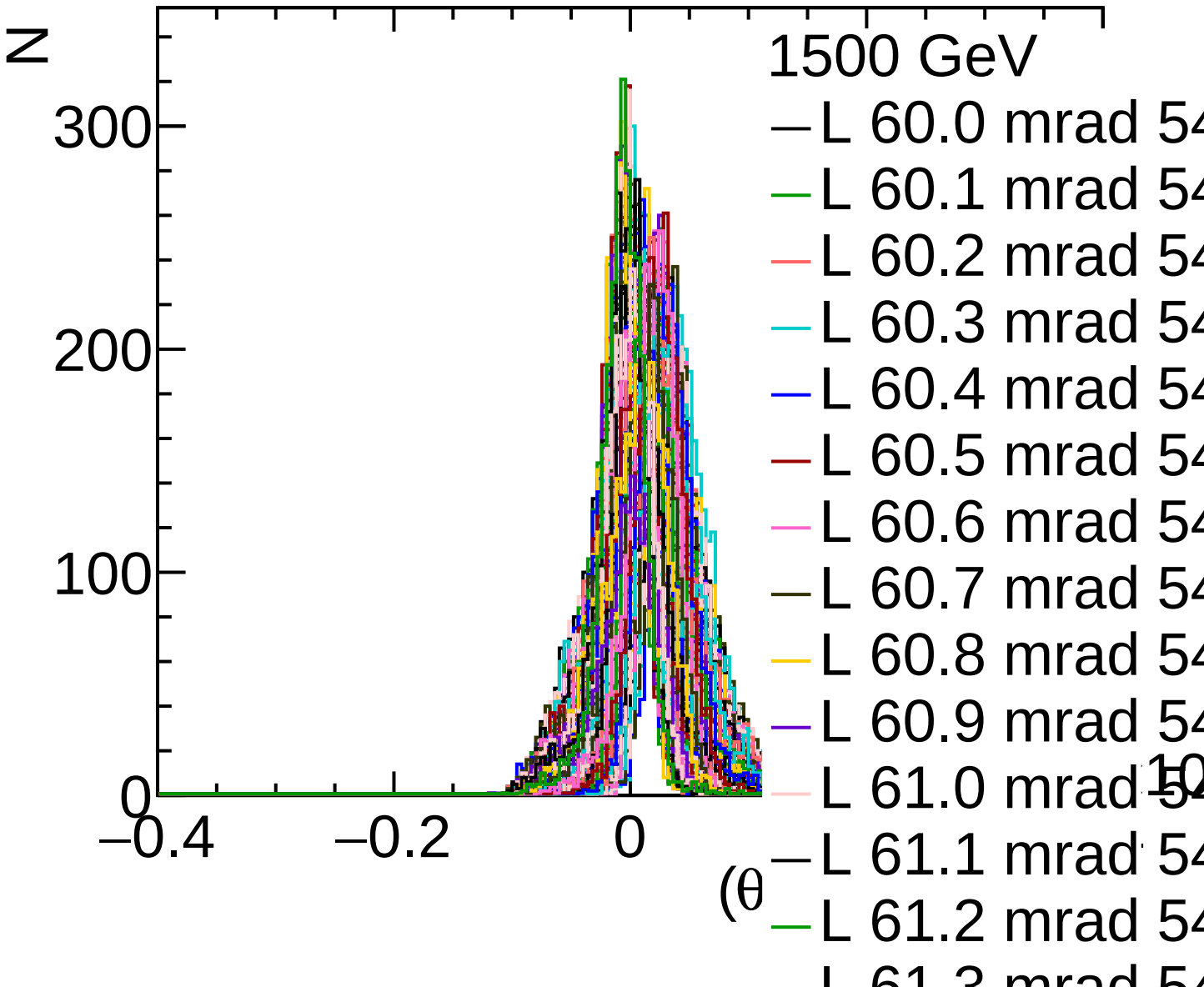
L 60.8 mrad 52
L 60.9 mrad 52
L 61.0 mrad 52
L 61.1 mrad 52
L 61.2 mrad 52


N
300
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 52
L 70.2 mrad 52
L 70.3 mrad 52
L 70.4 mrad 52
L 70.5 mrad 52
L 70.6 mrad 52
L 70.7 mrad 52
L 70.8 mrad 52
L 70.9 mrad 52
L 71.0 mrad 52
L 71.1 mrad 52
L 71.2 mrad 52
L 71.3 mrad 52


1500 GeV
L 60.0 mrad 53
L 60.1 mrad 53
L 60.2 mrad 53
L 60.3 mrad 53
L 60.4 mrad 53
L 60.5 mrad 53
L 60.6 mrad 53
L 60.7 mrad 53
L 60.8 mrad 53
L 60.9 mrad 53
L 61.0 mrad 53
L 61.1 mrad 53
L 61.2 mrad 53
300
200
100
0
–0.4
–0.2
0
(θ


N
300
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 53
L 70.2 mrad 53
L 70.3 mrad 53
L 70.4 mrad 53
L 70.5 mrad 53
L 70.6 mrad 53
L 70.7 mrad 53
L 70.8 mrad 53
L 70.9 mrad 53
L 71.0 mrad 53
L 71.1 mrad 53
L 71.2 mrad 53
L 71.3 mrad 53


N
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200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 54
L 60.1 mrad 54
L 60.2 mrad 54
L 60.3 mrad 54
L 60.4 mrad 54
L 60.5 mrad 54
L 60.6 mrad 54
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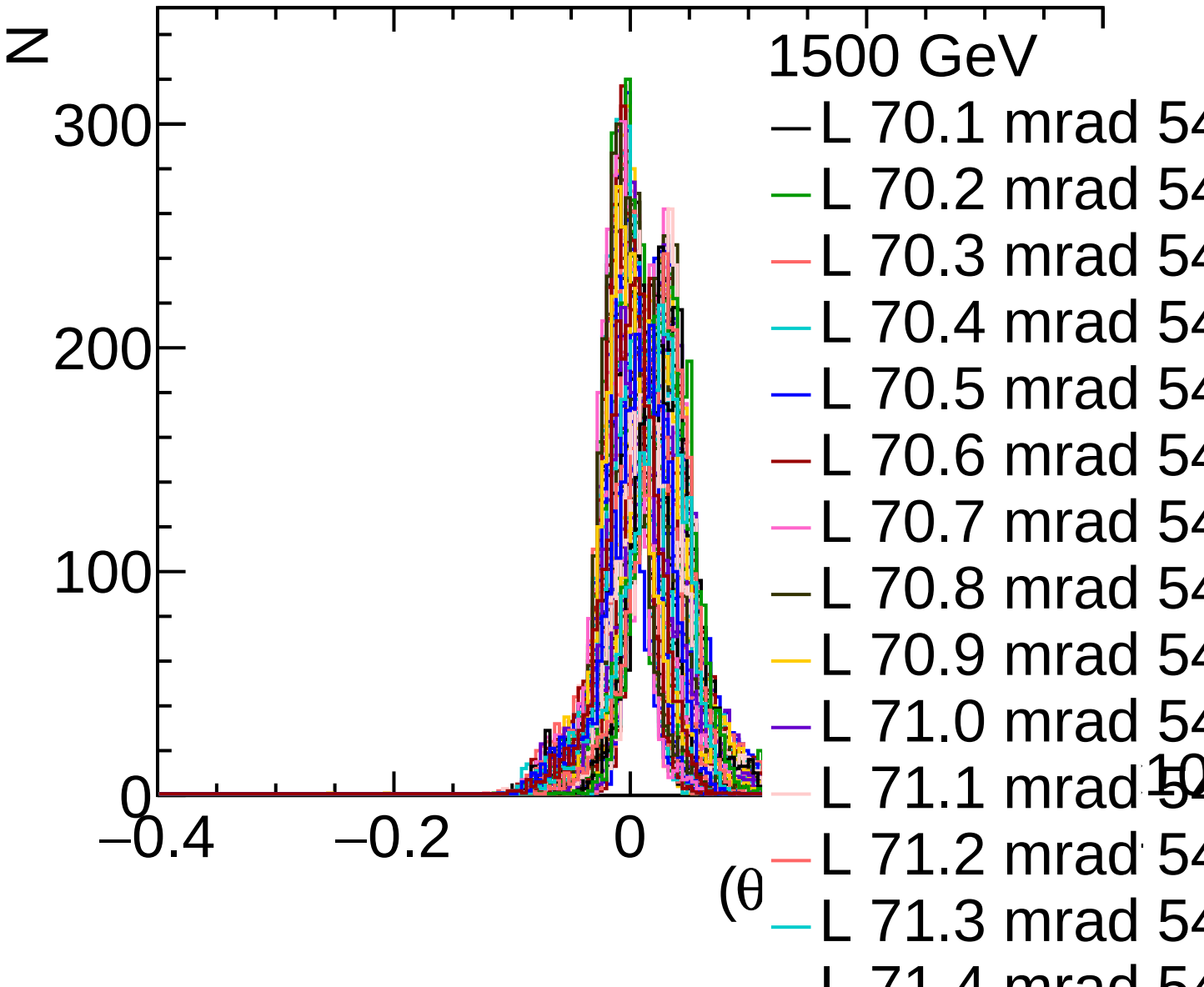
L 60.8 mrad 54
L 60.9 mrad 54
L 61.0 mrad 54
L 61.1 mrad 54
L 61.2 mrad 54


N
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200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 54
L 70.2 mrad 54
L 70.3 mrad 54
L 70.4 mrad 54
L 70.5 mrad 54
L 70.6 mrad 54
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L 70.9 mrad 54
L 71.0 mrad 54
L 71.1 mrad 54
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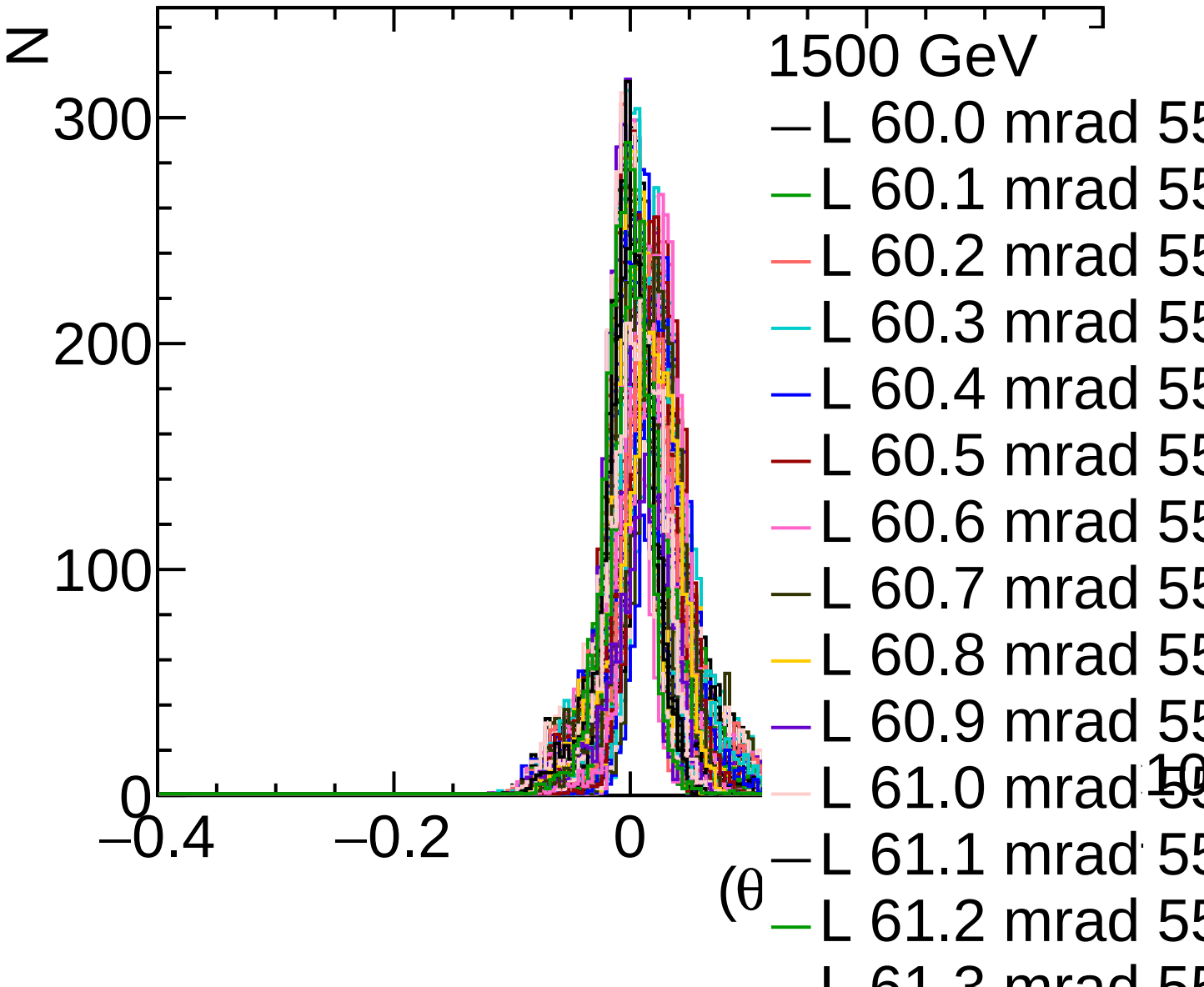
L 71.3 mrad 54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0
(θ
1500 GeV
L 60.0 mrad 55
L 60.1 mrad 55
L 60.2 mrad 55
L 60.3 mrad 55
L 60.4 mrad 55
L 60.5 mrad 55
L 60.6 mrad 55
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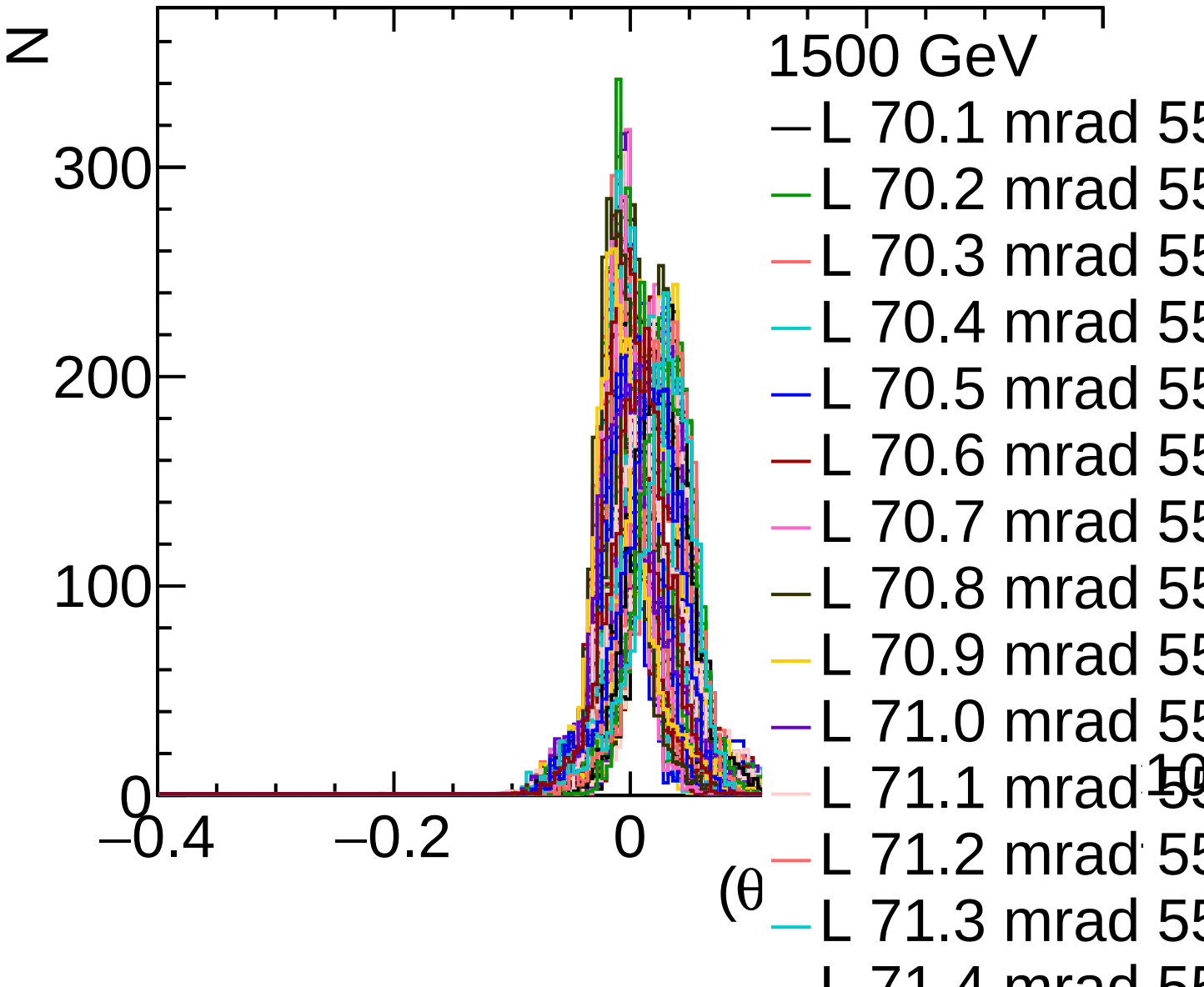
L 60.8 mrad 55
L 60.9 mrad 55
L 61.0 mrad 55
L 61.1 mrad 55
L 61.2 mrad 55


N
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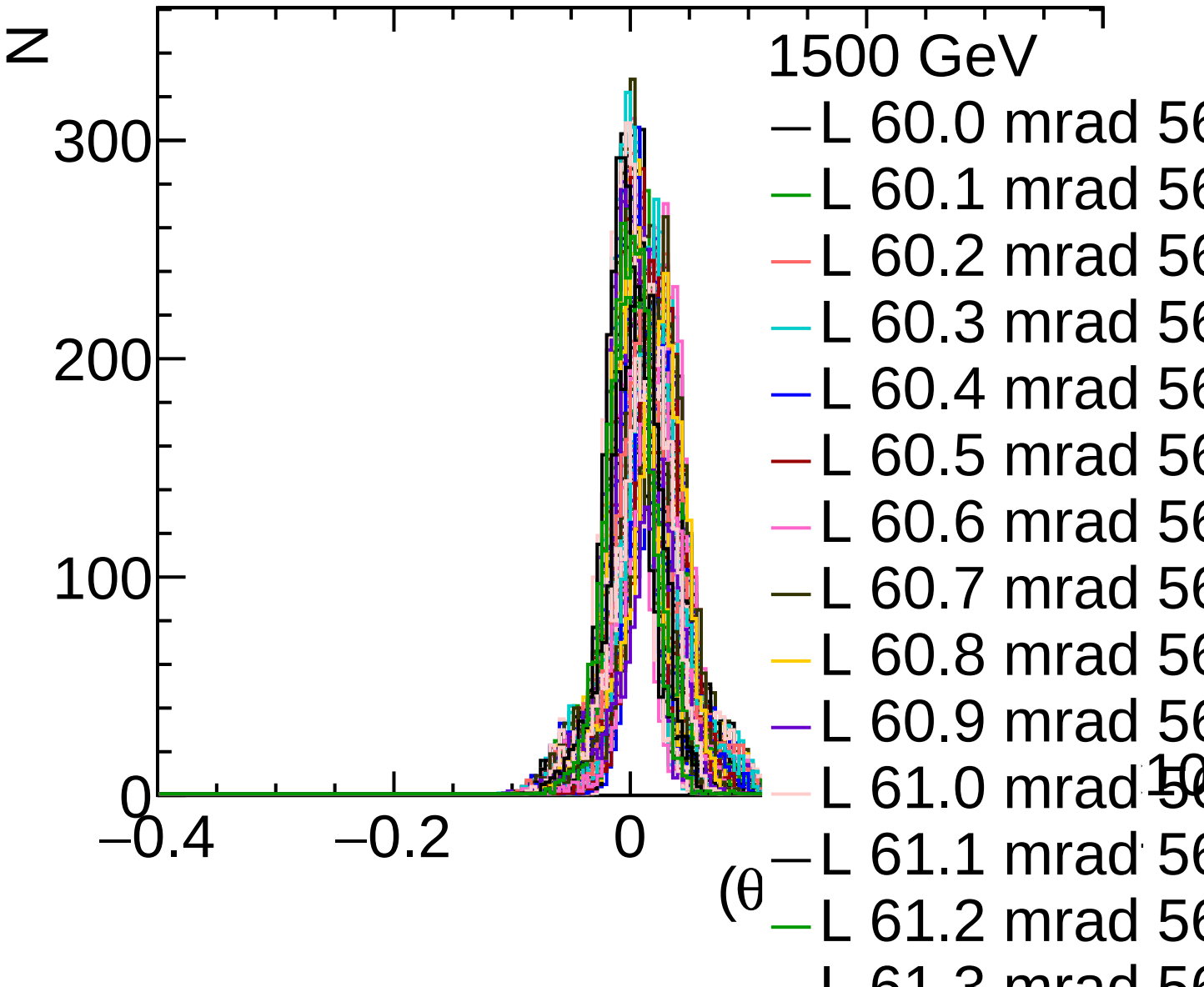
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 55
L 70.2 mrad 55
L 70.3 mrad 55
L 70.4 mrad 55
L 70.5 mrad 55
L 70.6 mrad 55
L 70.7 mrad 55
L 70.8 mrad 55
L 70.9 mrad 55
L 71.0 mrad 55
L 71.1 mrad 55
L 71.2 mrad 55
L 71.3 mrad 55


N
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200
100
0
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–0.2
0
(θ
1500 GeV
L 60.0 mrad 56
L 60.1 mrad 56
L 60.2 mrad 56
L 60.3 mrad 56
L 60.4 mrad 56
L 60.5 mrad 56
L 60.6 mrad 56
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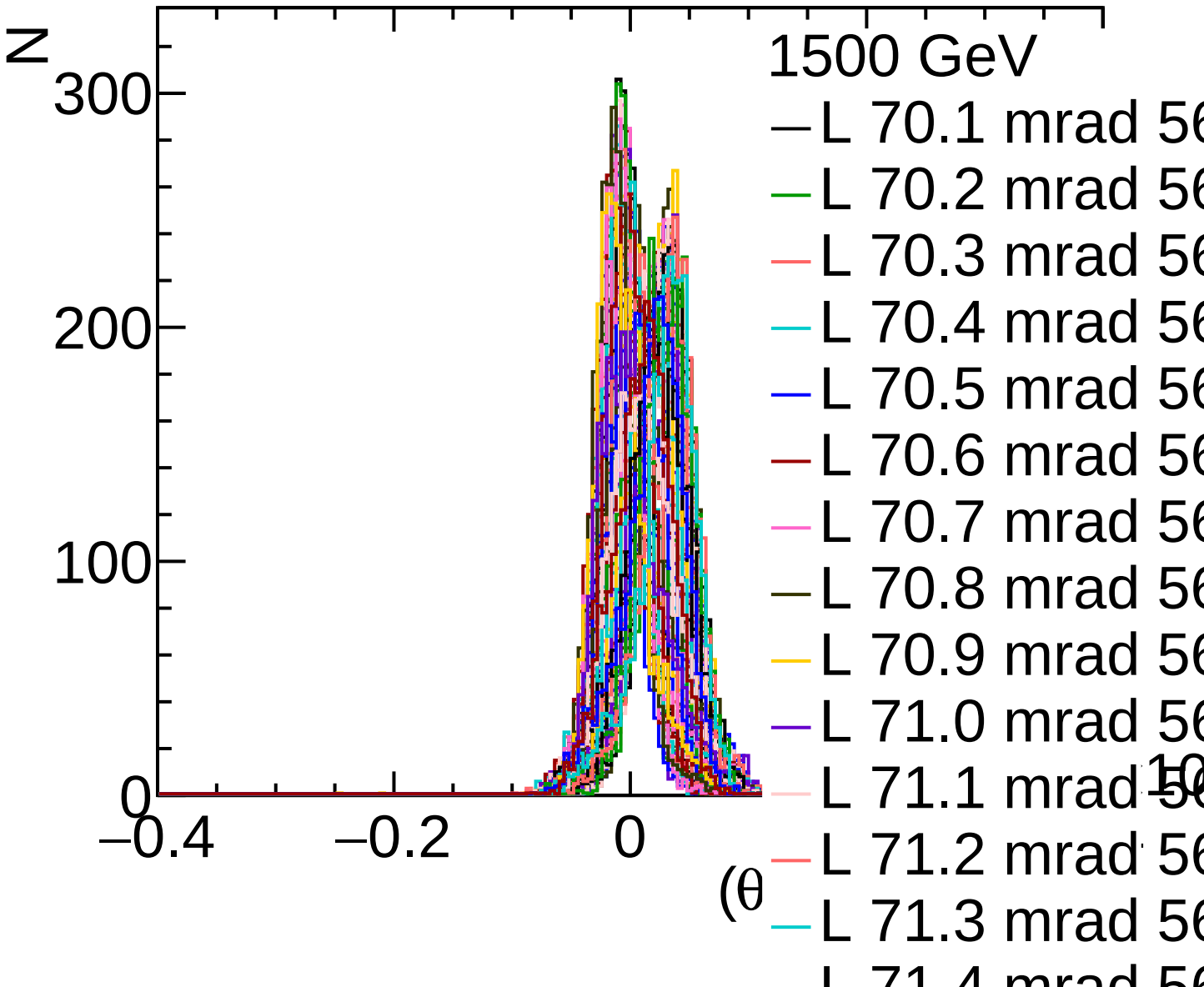
L 60.8 mrad 56
L 60.9 mrad 56
L 61.0 mrad 56
L 61.1 mrad 56
L 61.2 mrad 56


N
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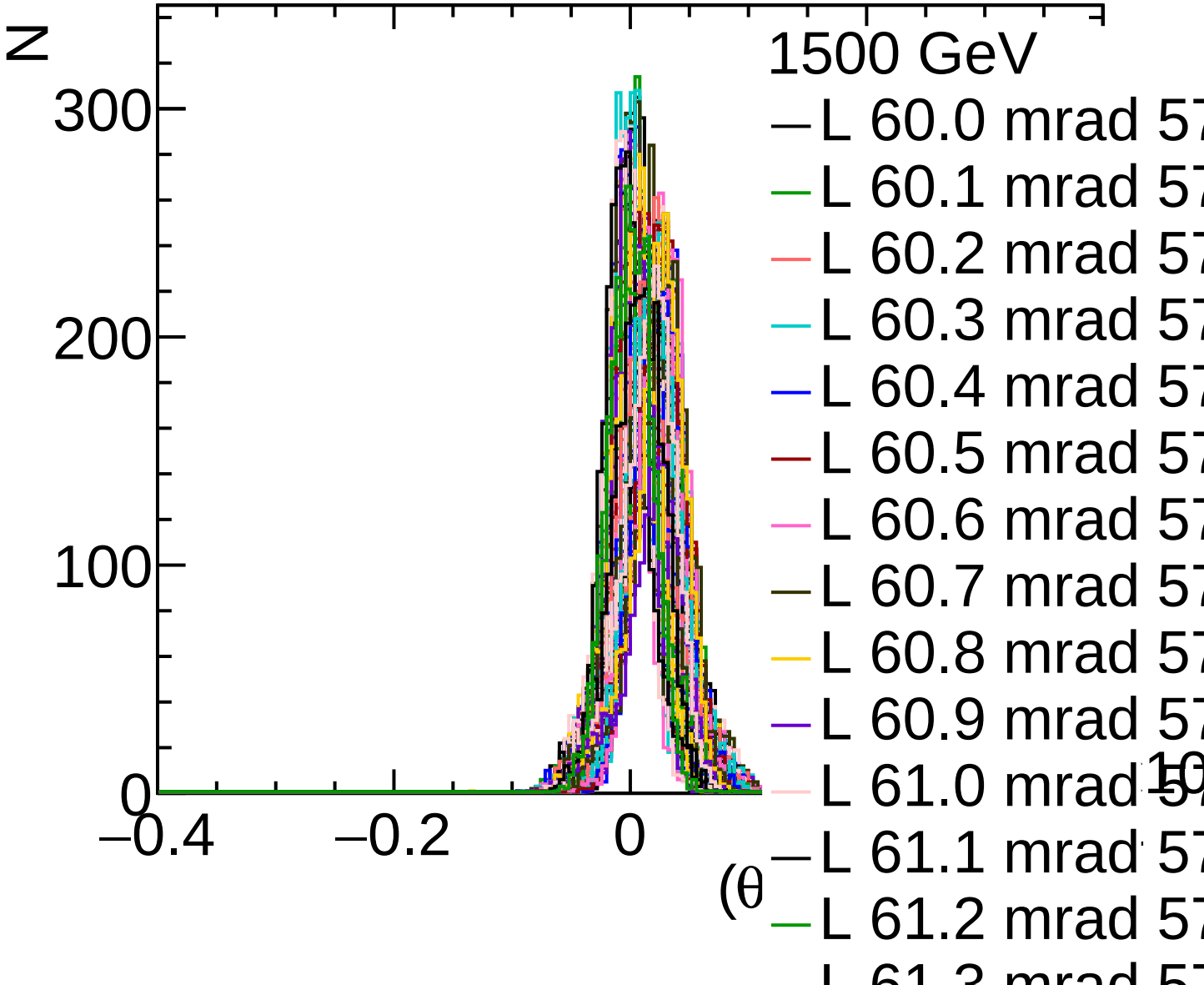
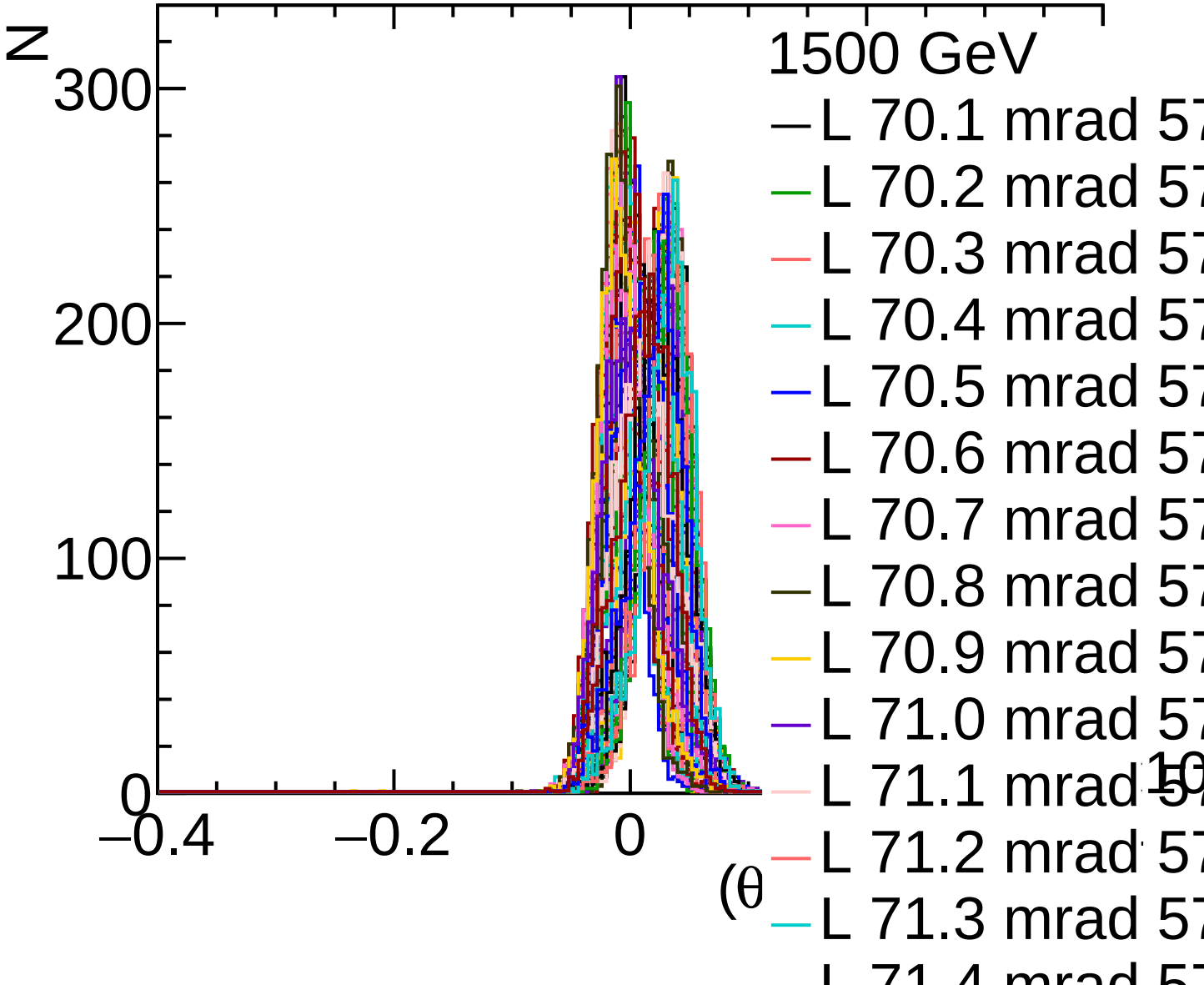
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 56
L 70.2 mrad 56
L 70.3 mrad 56
L 70.4 mrad 56
L 70.5 mrad 56
L 70.6 mrad 56
L 70.7 mrad 56
L 70.8 mrad 56
L 70.9 mrad 56
L 71.0 mrad 56
L 71.1 mrad 56
L 71.2 mrad 56
L 71.3 mrad 56


N
300
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 57
L 60.1 mrad 57
L 60.2 mrad 57
L 60.3 mrad 57
L 60.4 mrad 57
L 60.5 mrad 57
L 60.6 mrad 57
L 60.7 mrad 57
L 60.8 mrad 57
L 60.9 mrad 57
L 61.0 mrad 57
L 61.1 mrad 57
L 61.2 mrad 57


N
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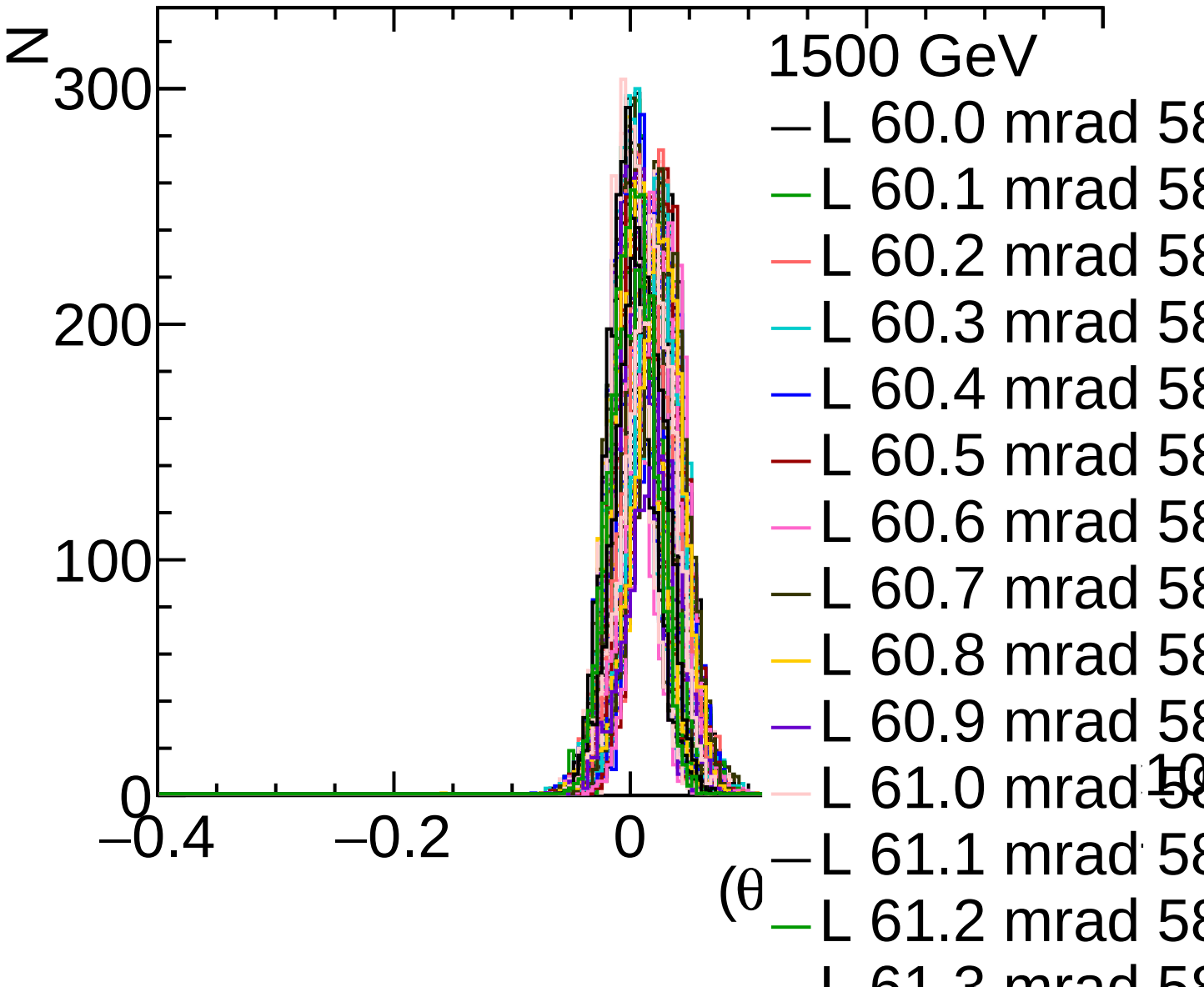
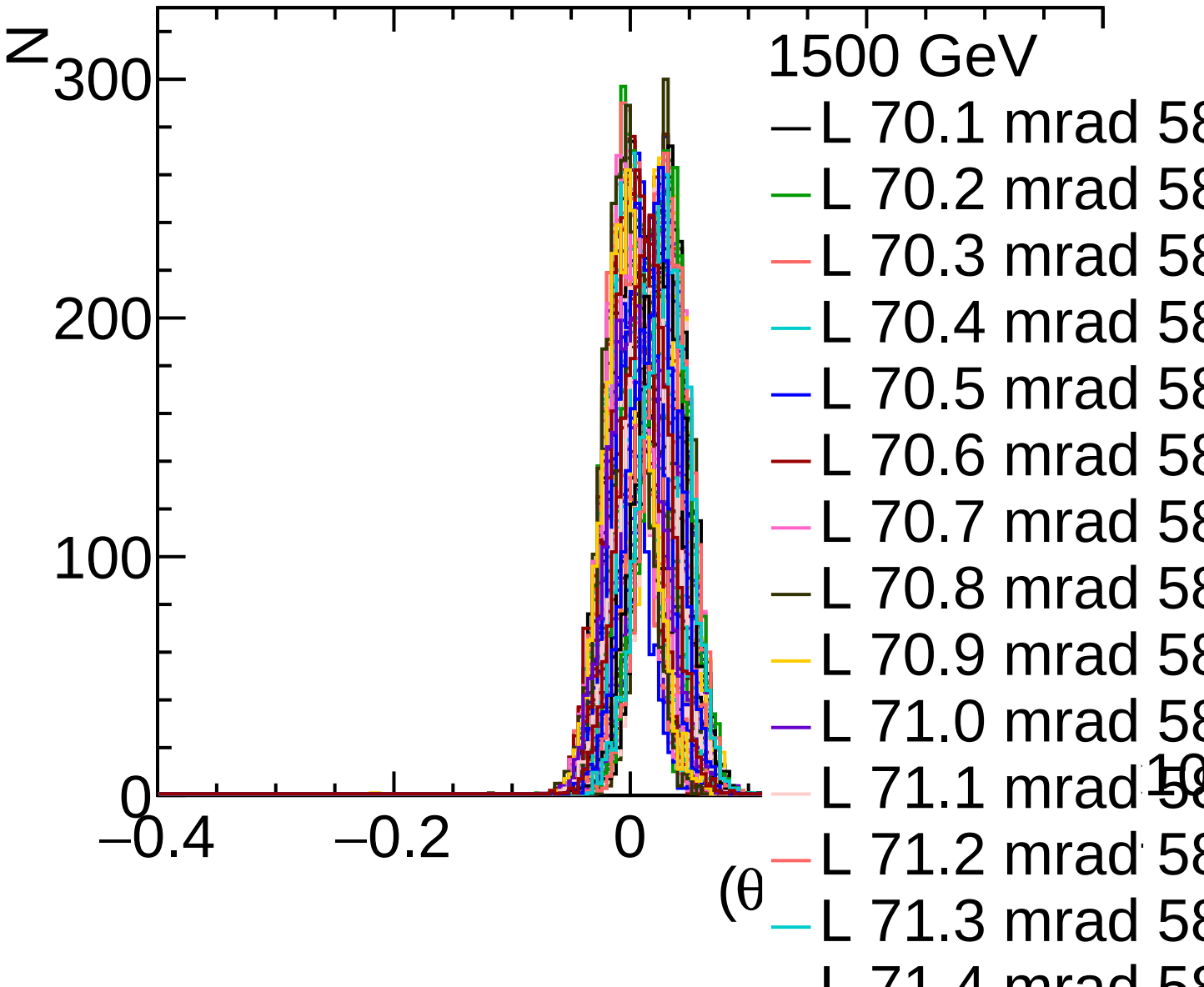
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 57
L 70.2 mrad 57
L 70.3 mrad 57
L 70.4 mrad 57
L 70.5 mrad 57
L 70.6 mrad 57
L 70.7 mrad 57
L 70.8 mrad 57
L 70.9 mrad 57
L 71.0 mrad 57
L 71.1 mrad 57
L 71.2 mrad 57
L 71.3 mrad 57


N
300
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 58
L 60.1 mrad 58
L 60.2 mrad 58
L 60.3 mrad 58
L 60.4 mrad 58
L 60.5 mrad 58
L 60.6 mrad 58
L 60.7 mrad 58
L 60.8 mrad 58
L 60.9 mrad 58
L 61.0 mrad 58
L 61.1 mrad 58
L 61.2 mrad 58


N
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100
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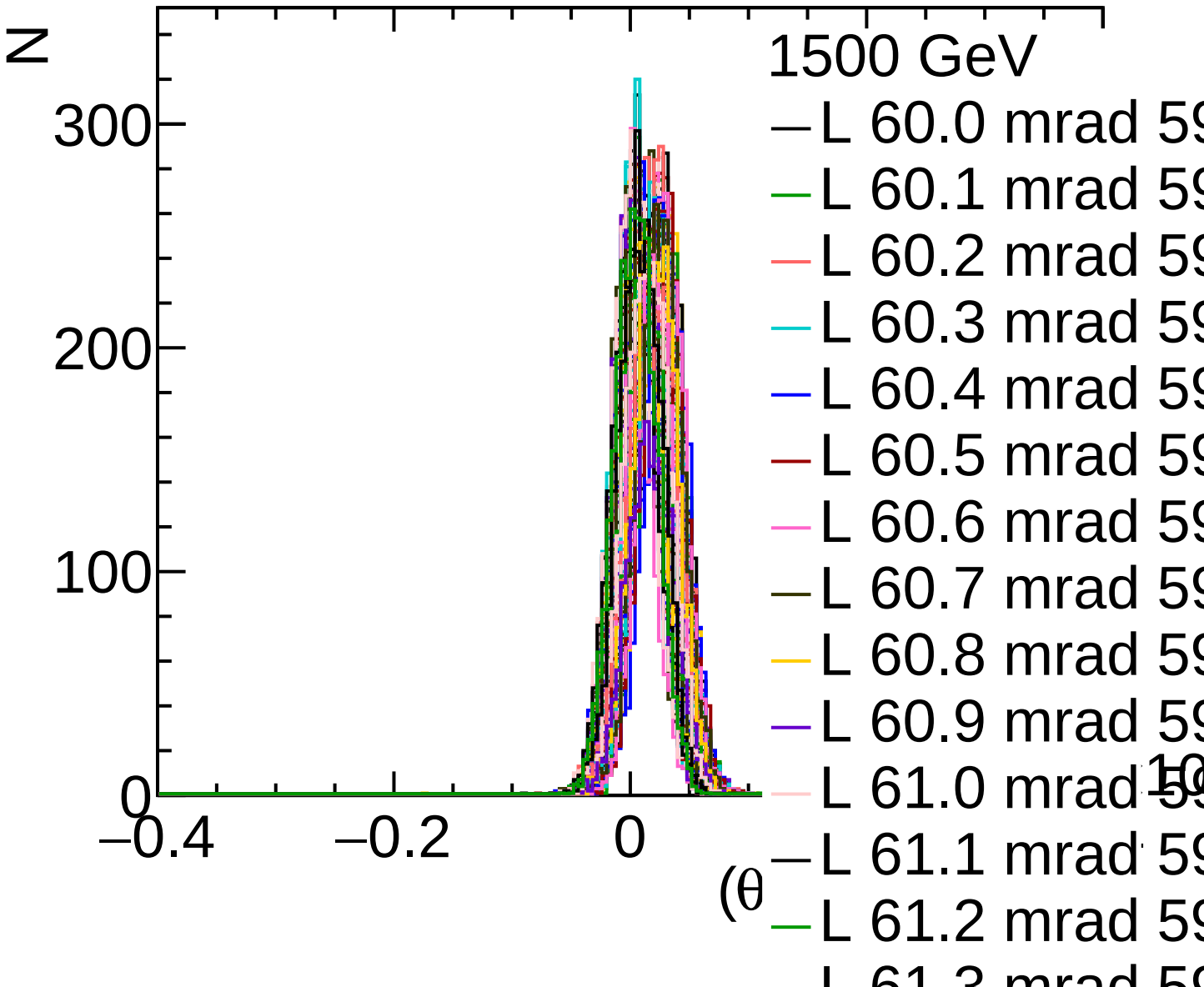
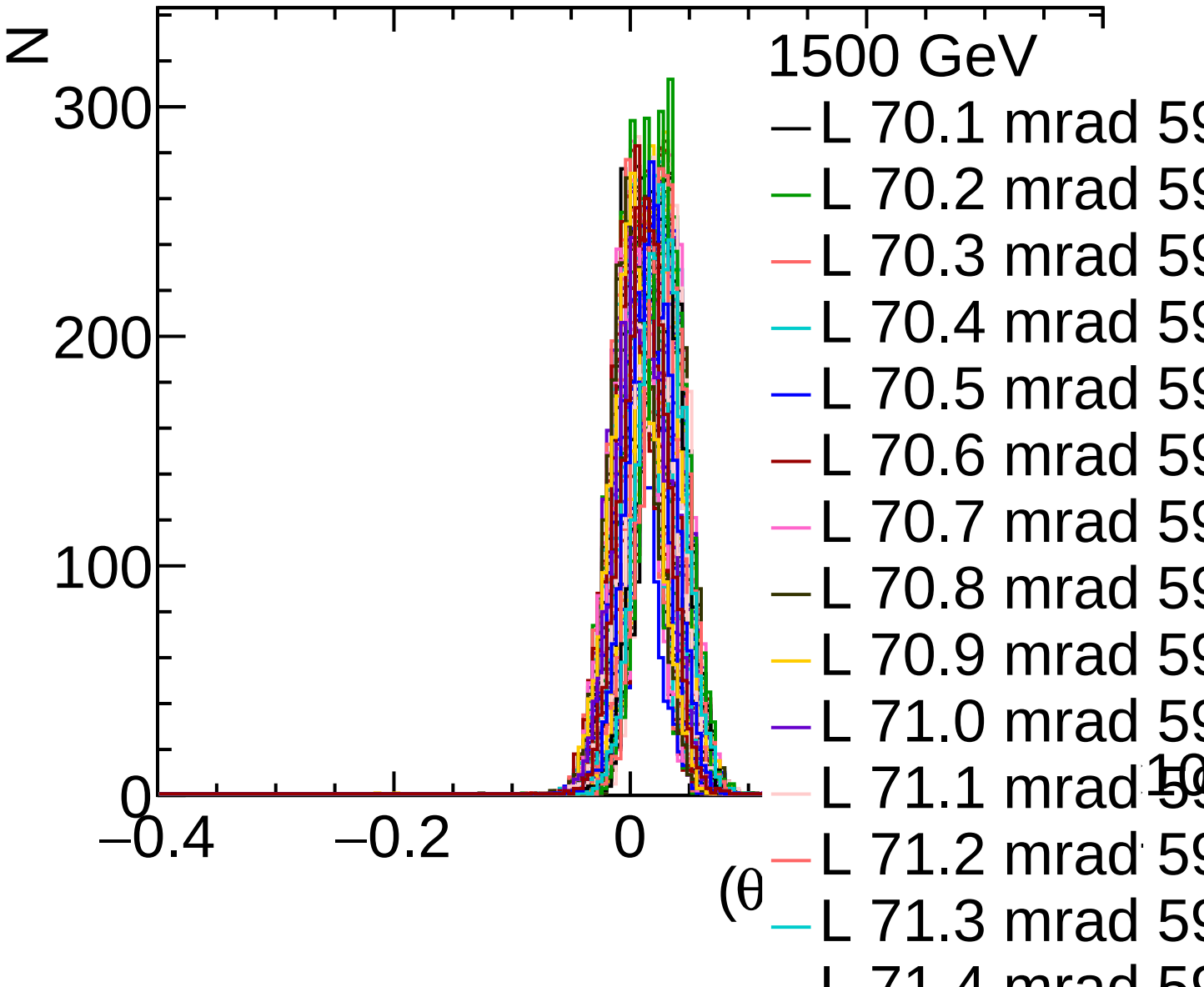
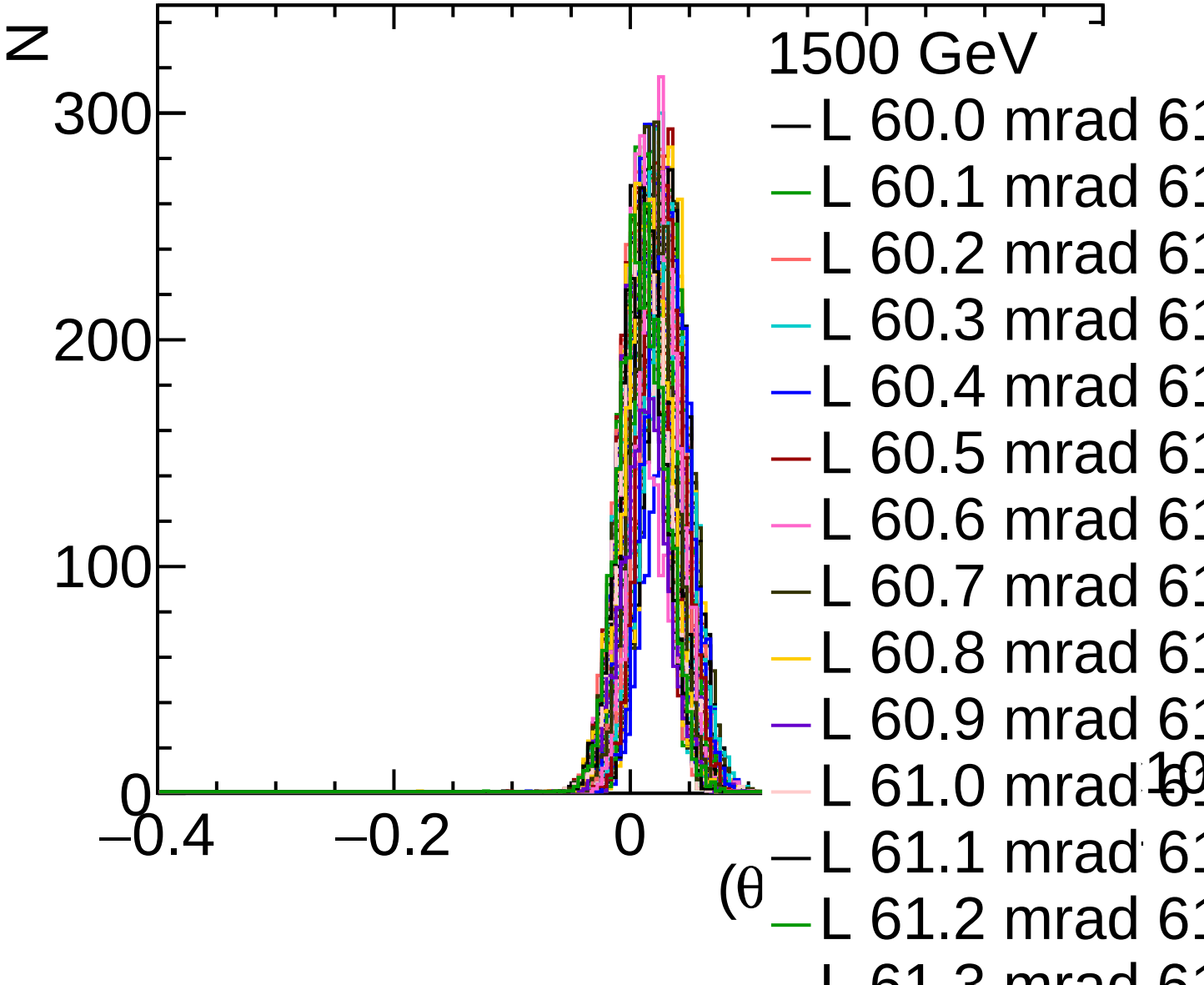
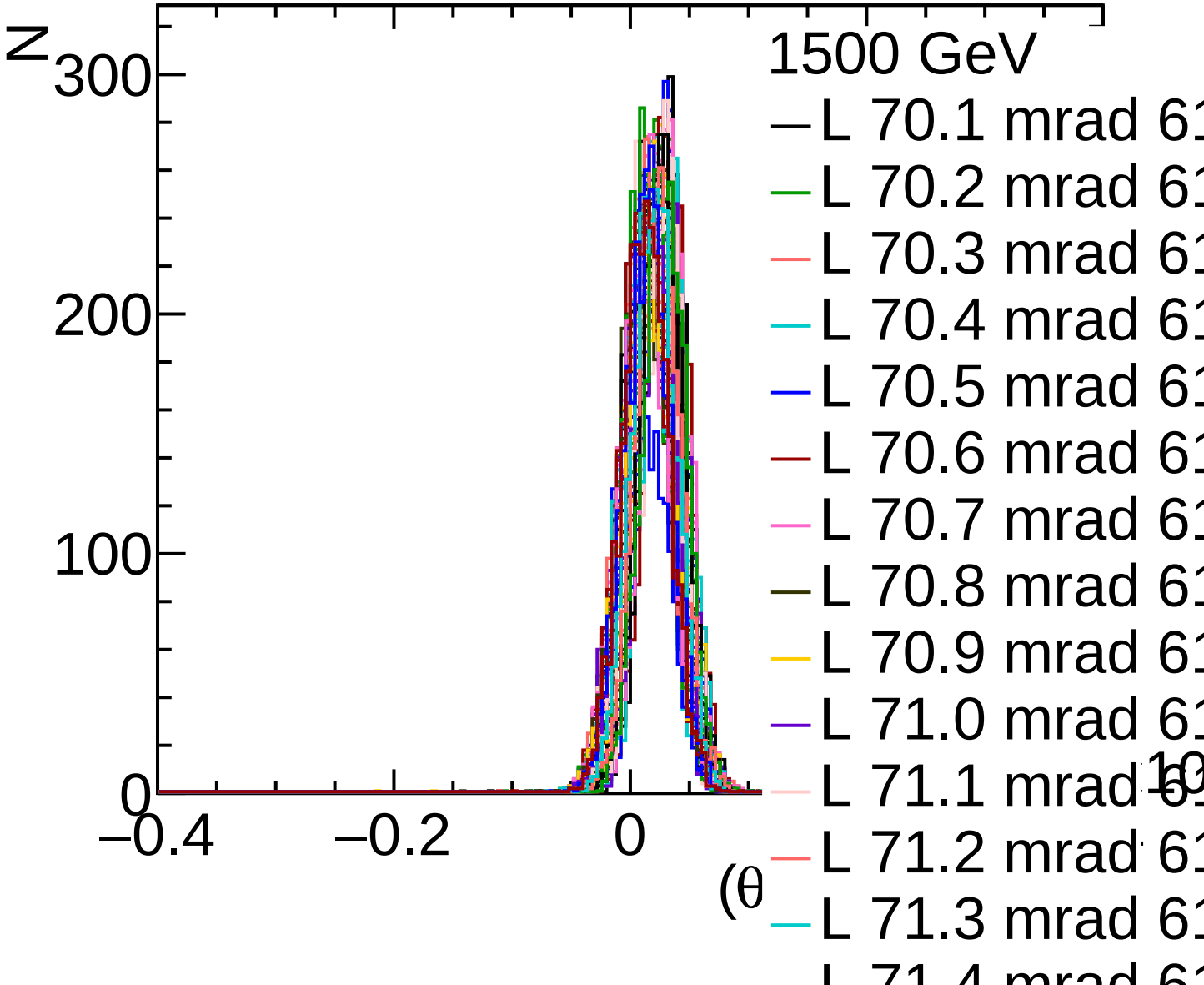
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 58
L 70.2 mrad 58
L 70.3 mrad 58
L 70.4 mrad 58
L 70.5 mrad 58
L 70.6 mrad 58
L 70.7 mrad 58
L 70.8 mrad 58
L 70.9 mrad 58
L 71.0 mrad 58
L 71.1 mrad 58
L 71.2 mrad 58
L 71.3 mrad 58


N
300
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 59
L 60.1 mrad 59
L 60.2 mrad 59
L 60.3 mrad 59
L 60.4 mrad 59
L 60.5 mrad 59
L 60.6 mrad 59
L 60.7 mrad 59
L 60.8 mrad 59
L 60.9 mrad 59
L 61.0 mrad 59
L 61.1 mrad 59
L 61.2 mrad 59
L 61.3 mrad 59


N
300
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 59
L 70.2 mrad 59
L 70.3 mrad 59
L 70.4 mrad 59
L 70.5 mrad 59
L 70.6 mrad 59
L 70.7 mrad 59
L 70.8 mrad 59
L 70.9 mrad 59
L 71.0 mrad 59
L 71.1 mrad 59
L 71.2 mrad 59
L 71.3 mrad 59


N
300
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 61
L 60.1 mrad 61
L 60.2 mrad 61
L 60.3 mrad 61
L 60.4 mrad 61
L 60.5 mrad 61
L 60.6 mrad 61
L 60.7 mrad 61
L 60.8 mrad 61
L 60.9 mrad 61
L 61.0 mrad 61
L 61.1 mrad 61
L 61.2 mrad 61


N
300
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100
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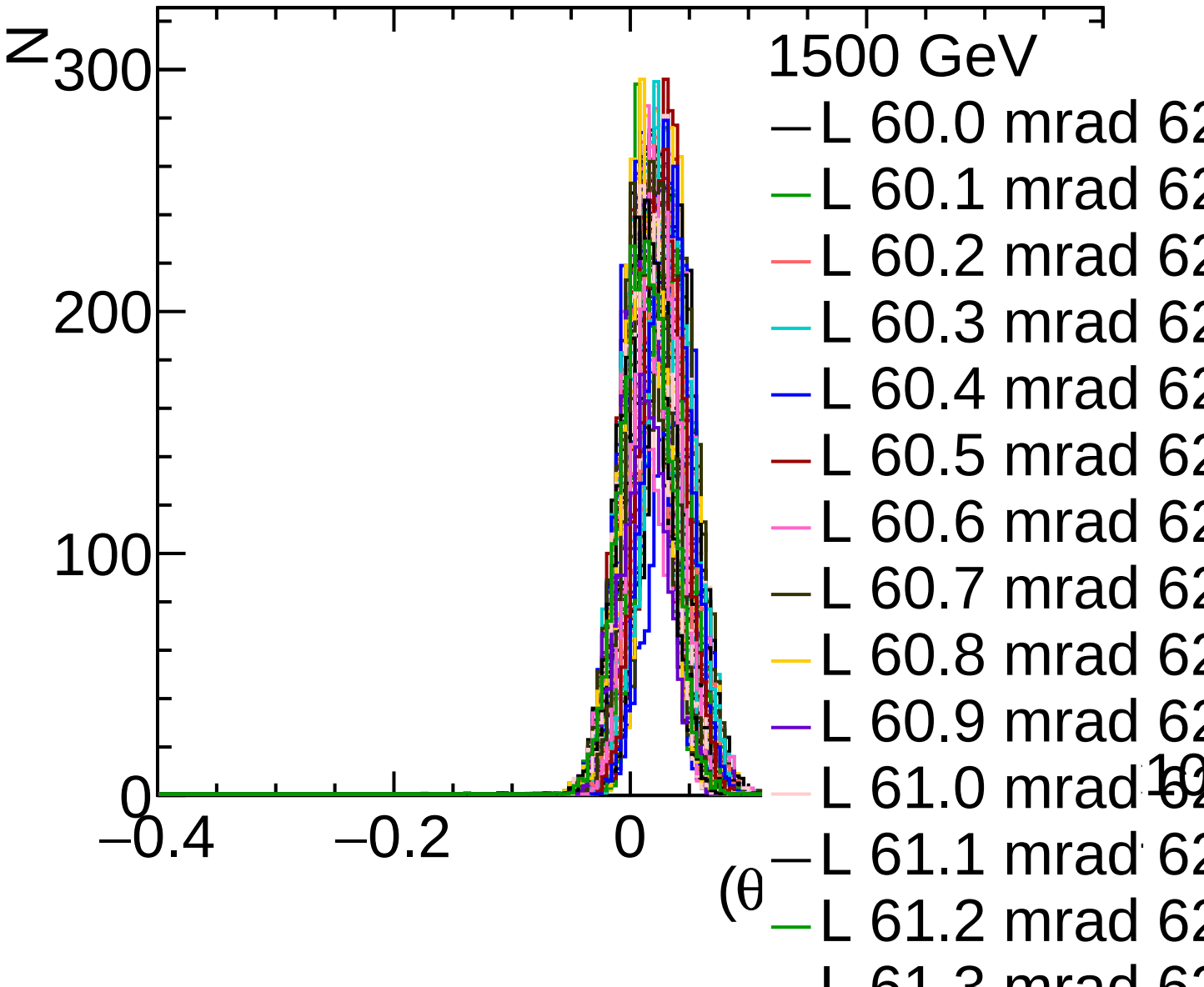
–0.2
0
(θ
1500 GeV
L 70.1 mrad 61
L 70.2 mrad 61
L 70.3 mrad 61
L 70.4 mrad 61
L 70.5 mrad 61
L 70.6 mrad 61
L 70.7 mrad 61
L 70.8 mrad 61
L 70.9 mrad 61
L 71.0 mrad 61
L 71.1 mrad 61
L 71.2 mrad 61
L 71.3 mrad 61


N
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200
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0
–0.4
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(θ
1500 GeV
L 60.0 mrad 62
L 60.1 mrad 62
L 60.2 mrad 62
L 60.3 mrad 62
L 60.4 mrad 62
L 60.5 mrad 62
L 60.6 mrad 62
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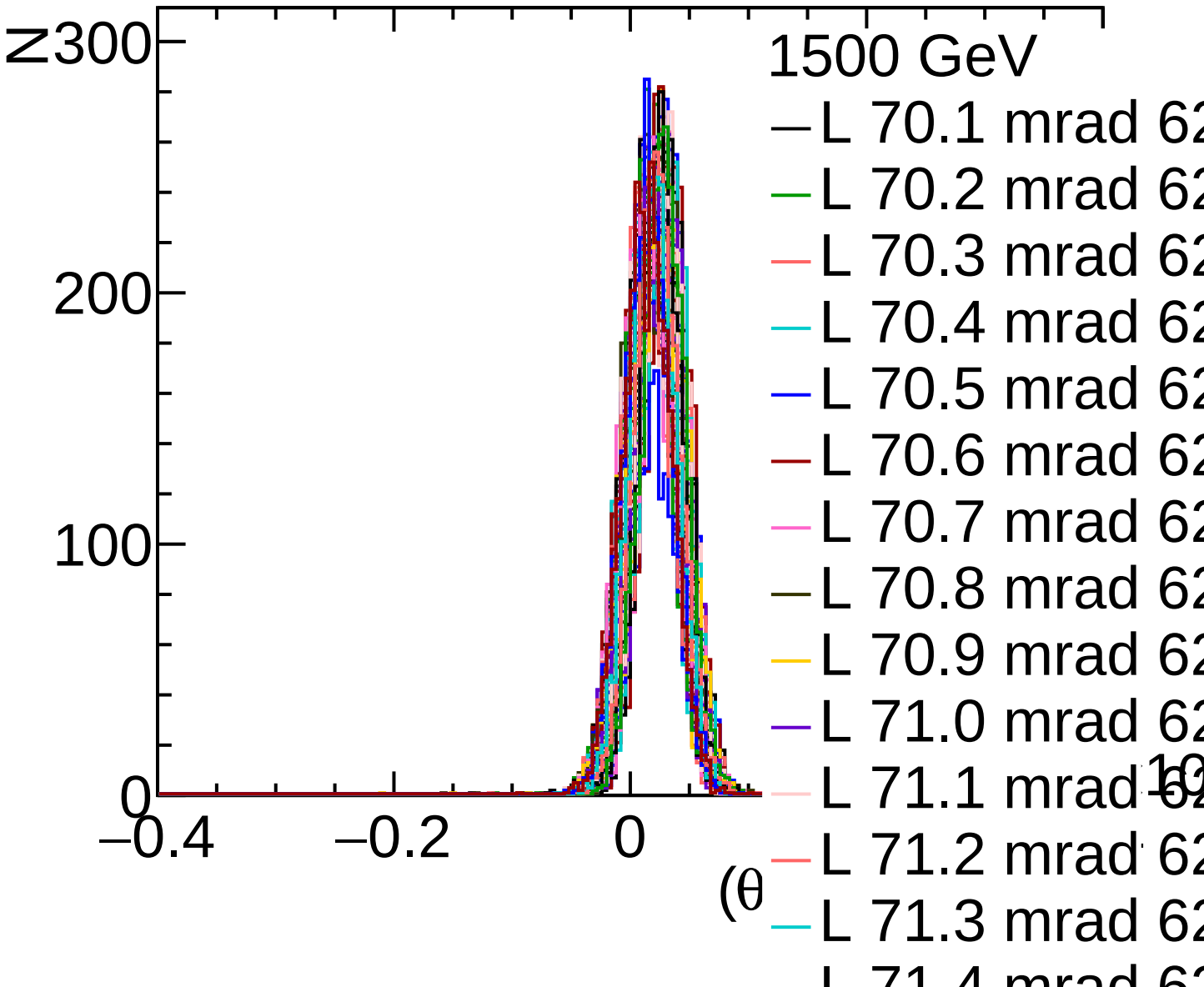
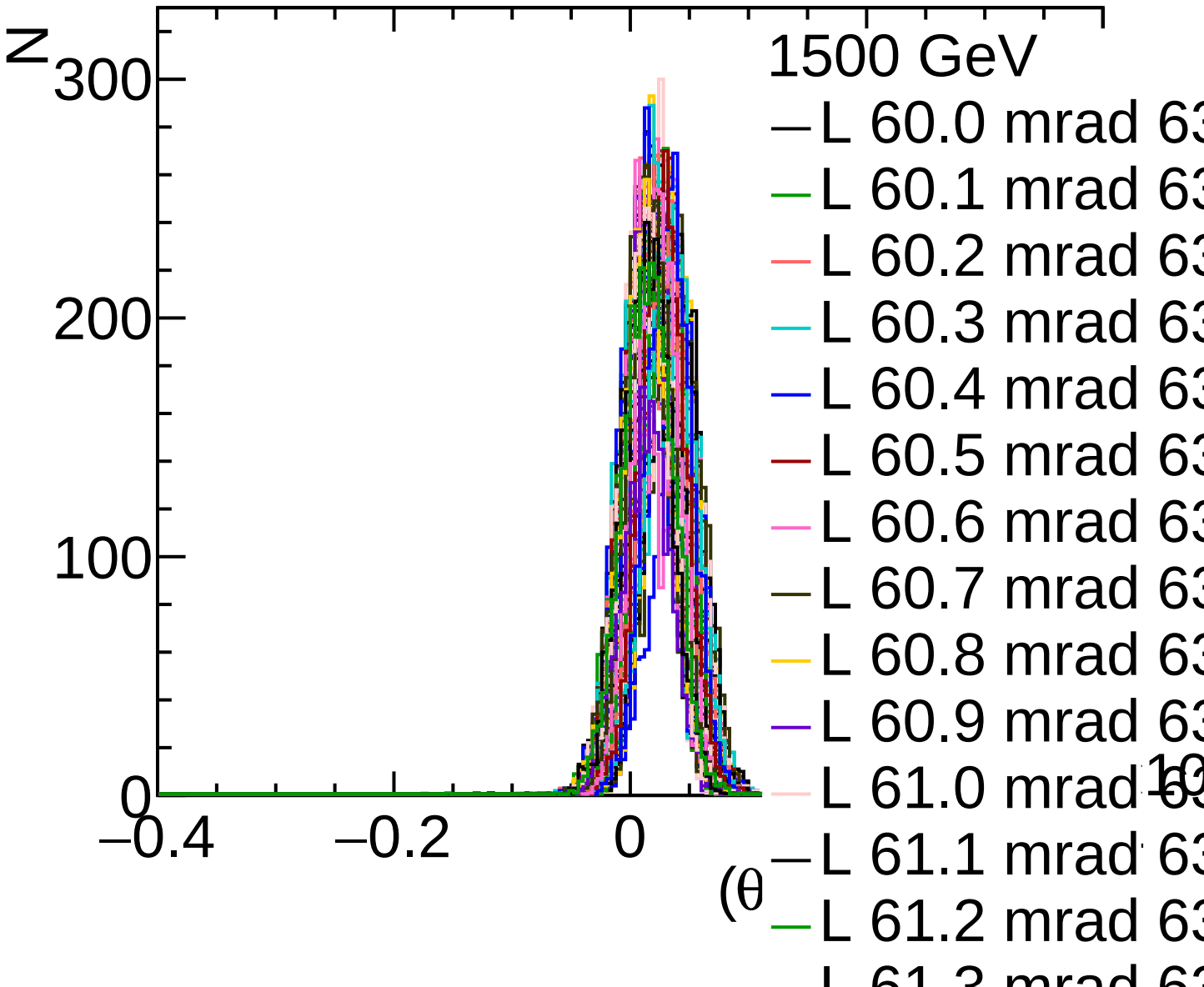
L 60.8 mrad 62
L 60.9 mrad 62
L 61.0 mrad 62
L 61.1 mrad 62
L 61.2 mrad 62


1500 GeV
L 70.1 mrad 62
L 70.2 mrad 62
L 70.3 mrad 62
L 70.4 mrad 62
L 70.5 mrad 62
L 70.6 mrad 62
L 70.7 mrad 62
L 70.8 mrad 62
L 70.9 mrad 62
L 71.0 mrad 62
L 71.1 mrad 62
L 71.2 mrad 62
L 71.3 mrad 62
300
200
100
0
–0.4
–0.2
0
(θ


N
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200
100
0
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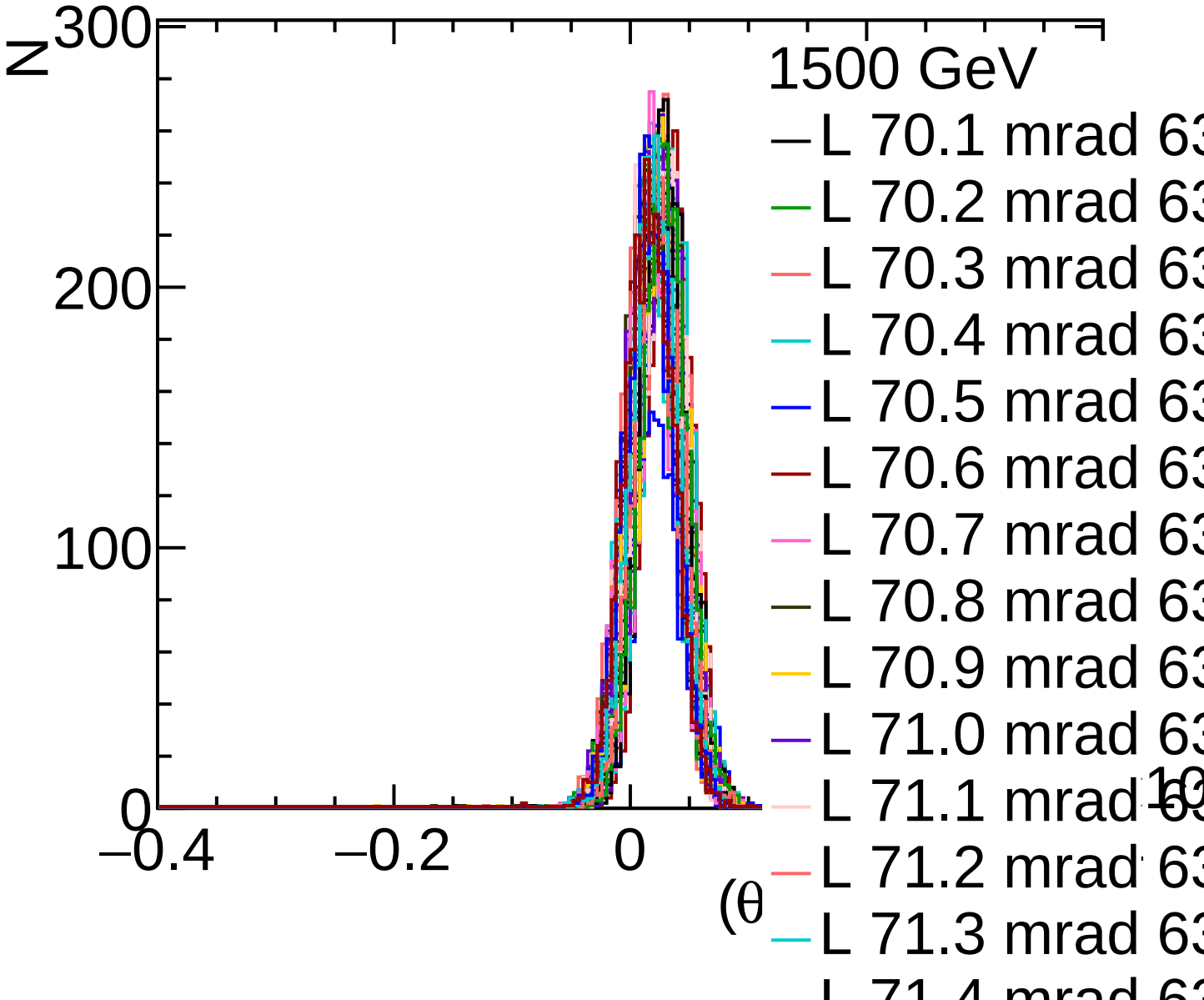
0
(θ
1500 GeV
L 60.0 mrad 63
L 60.1 mrad 63
L 60.2 mrad 63
L 60.3 mrad 63
L 60.4 mrad 63
L 60.5 mrad 63
L 60.6 mrad 63
L 60.7 mrad 63
L 60.8 mrad 63
L 60.9 mrad 63
L 61.0 mrad 63
L 61.1 mrad 63
L 61.2 mrad 63


N
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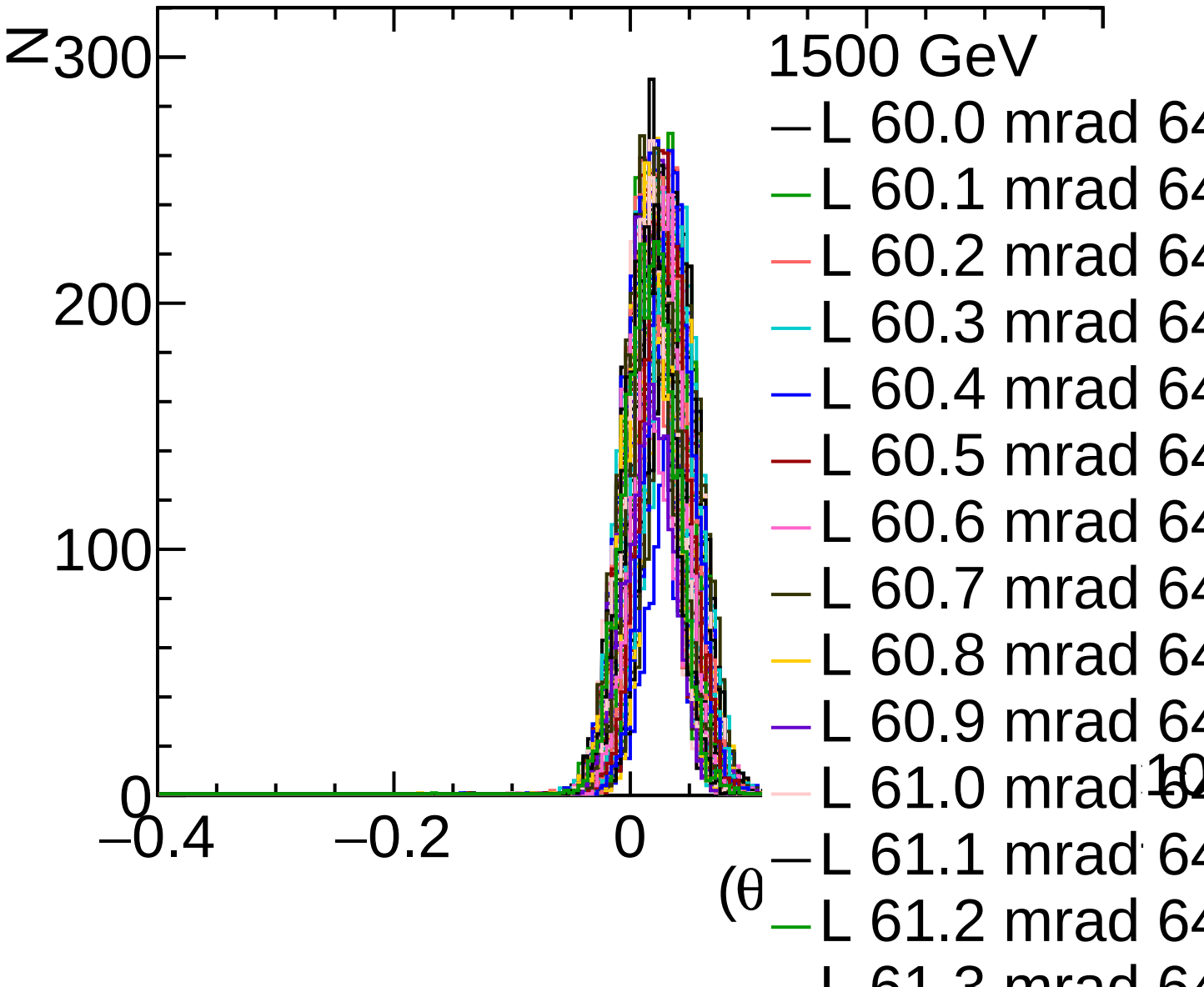
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 63
L 70.2 mrad 63
L 70.3 mrad 63
L 70.4 mrad 63
L 70.5 mrad 63
L 70.6 mrad 63
L 70.7 mrad 63
L 70.8 mrad 63
L 70.9 mrad 63
L 71.0 mrad 63
L 71.1 mrad 63
L 71.2 mrad 63
L 71.3 mrad 63


N
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200
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–0.4
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0
(θ
1500 GeV
L 60.0 mrad 64
L 60.1 mrad 64
L 60.2 mrad 64
L 60.3 mrad 64
L 60.4 mrad 64
L 60.5 mrad 64
L 60.6 mrad 64
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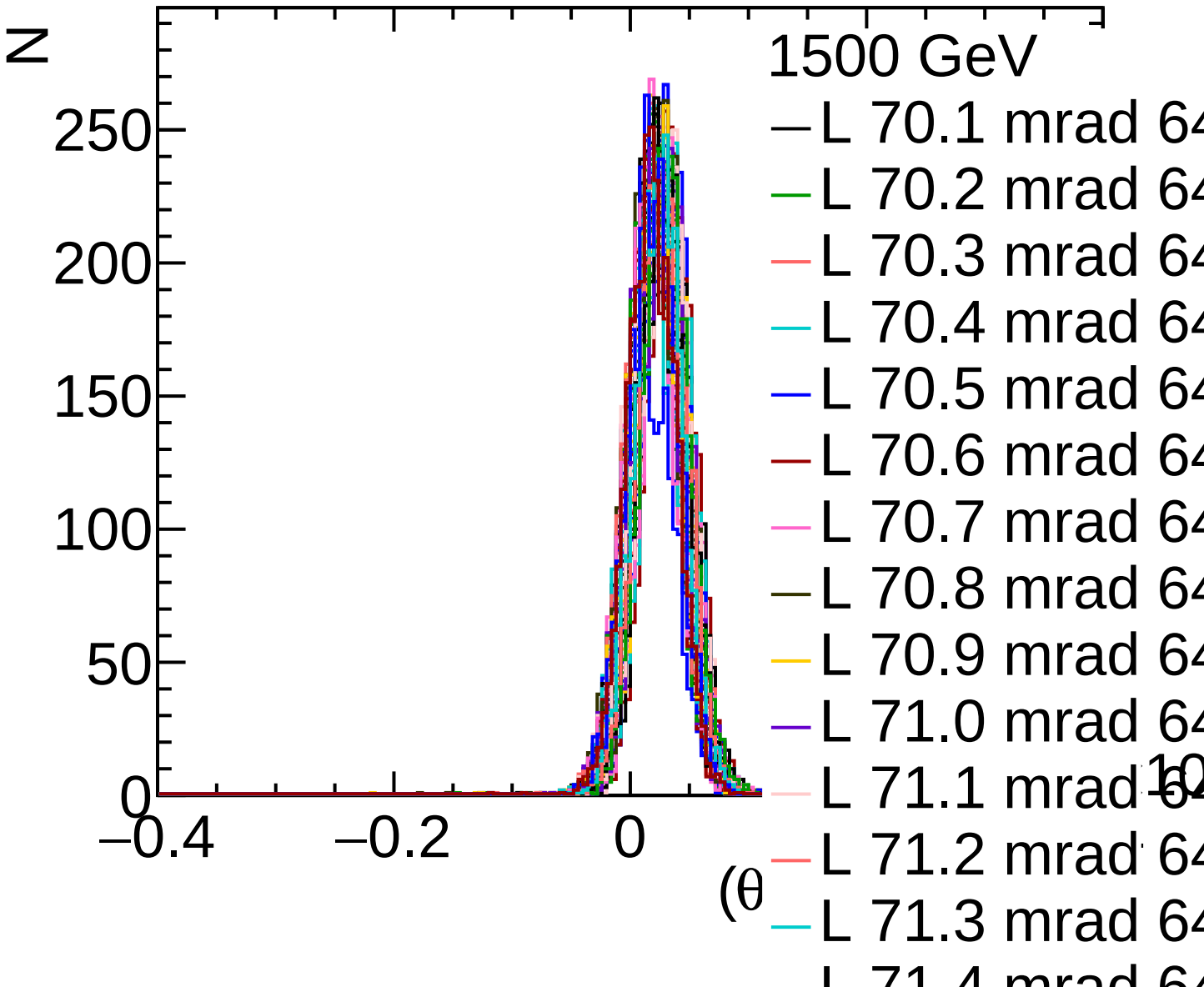
L 60.8 mrad 64
L 60.9 mrad 64
L 61.0 mrad 64
L 61.1 mrad 64
L 61.2 mrad 64


N
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200
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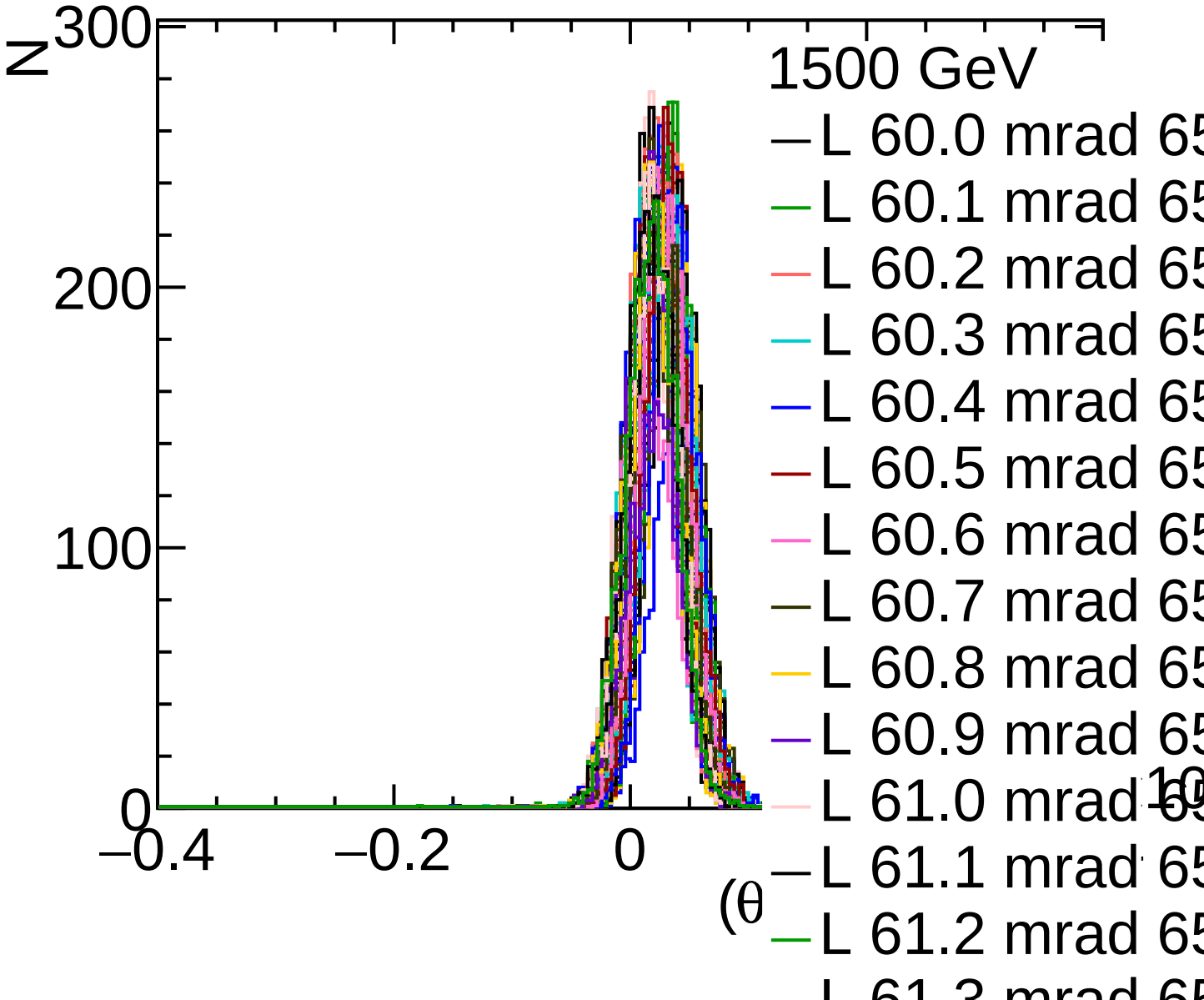
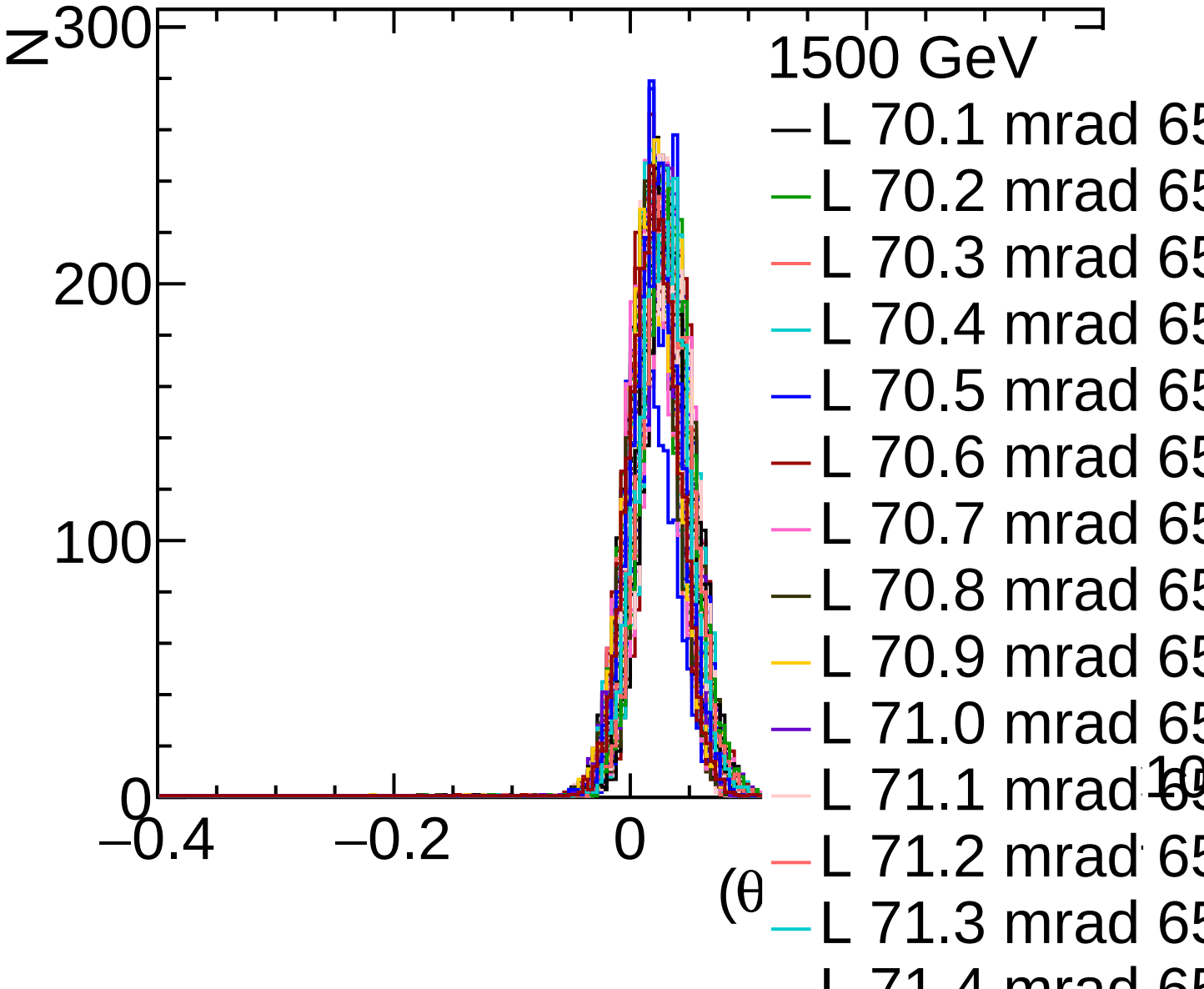
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 64
L 70.2 mrad 64
L 70.3 mrad 64
L 70.4 mrad 64
L 70.5 mrad 64
L 70.6 mrad 64
L 70.7 mrad 64
L 70.8 mrad 64
L 70.9 mrad 64
L 71.0 mrad 64
L 71.1 mrad 64
L 71.2 mrad 64
L 71.3 mrad 64


N
300
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 65
L 60.1 mrad 65
L 60.2 mrad 65
L 60.3 mrad 65
L 60.4 mrad 65
L 60.5 mrad 65
L 60.6 mrad 65
L 60.7 mrad 65
L 60.8 mrad 65
L 60.9 mrad 65
L 61.0 mrad 65
L 61.1 mrad 65
L 61.2 mrad 65


N
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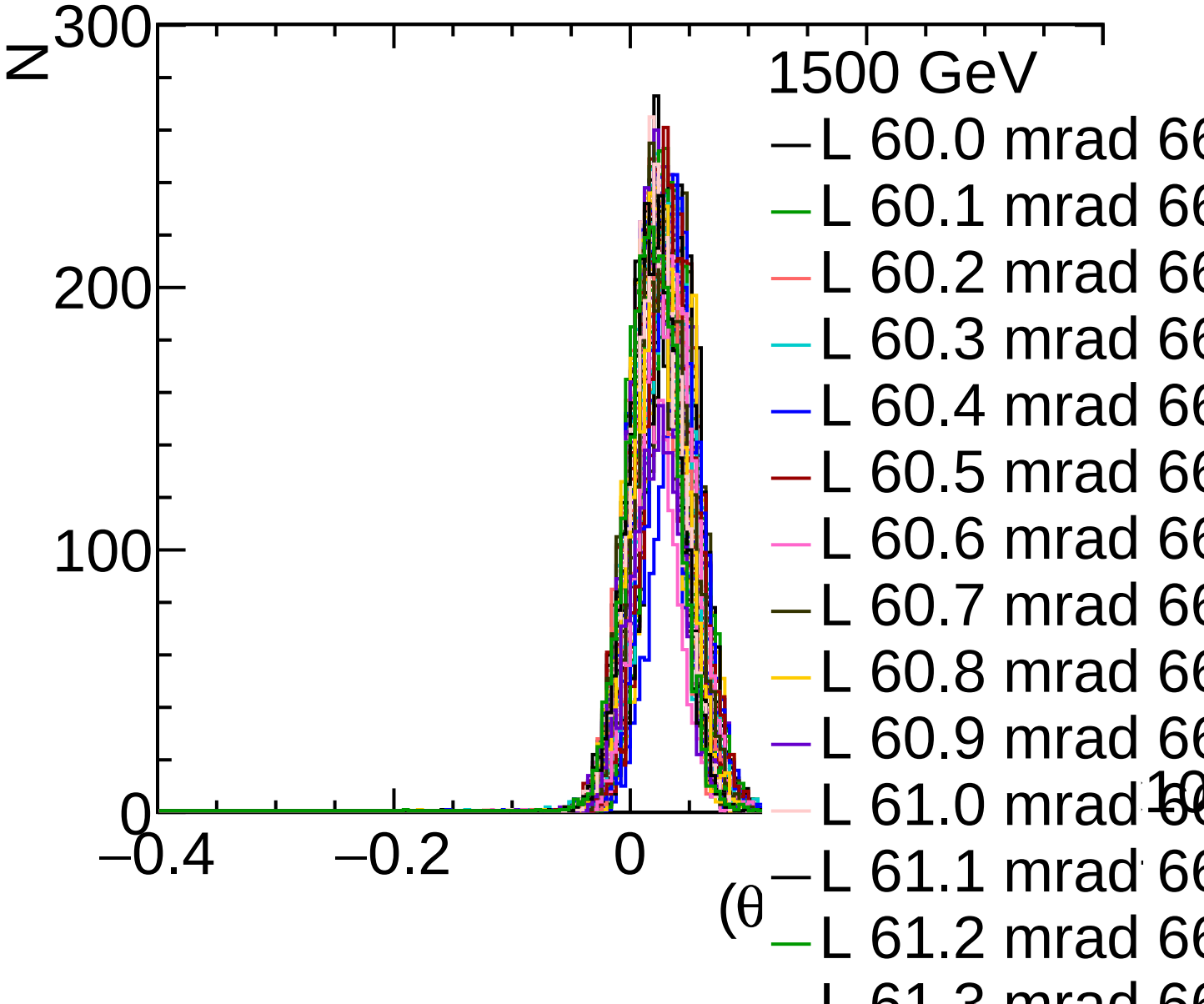
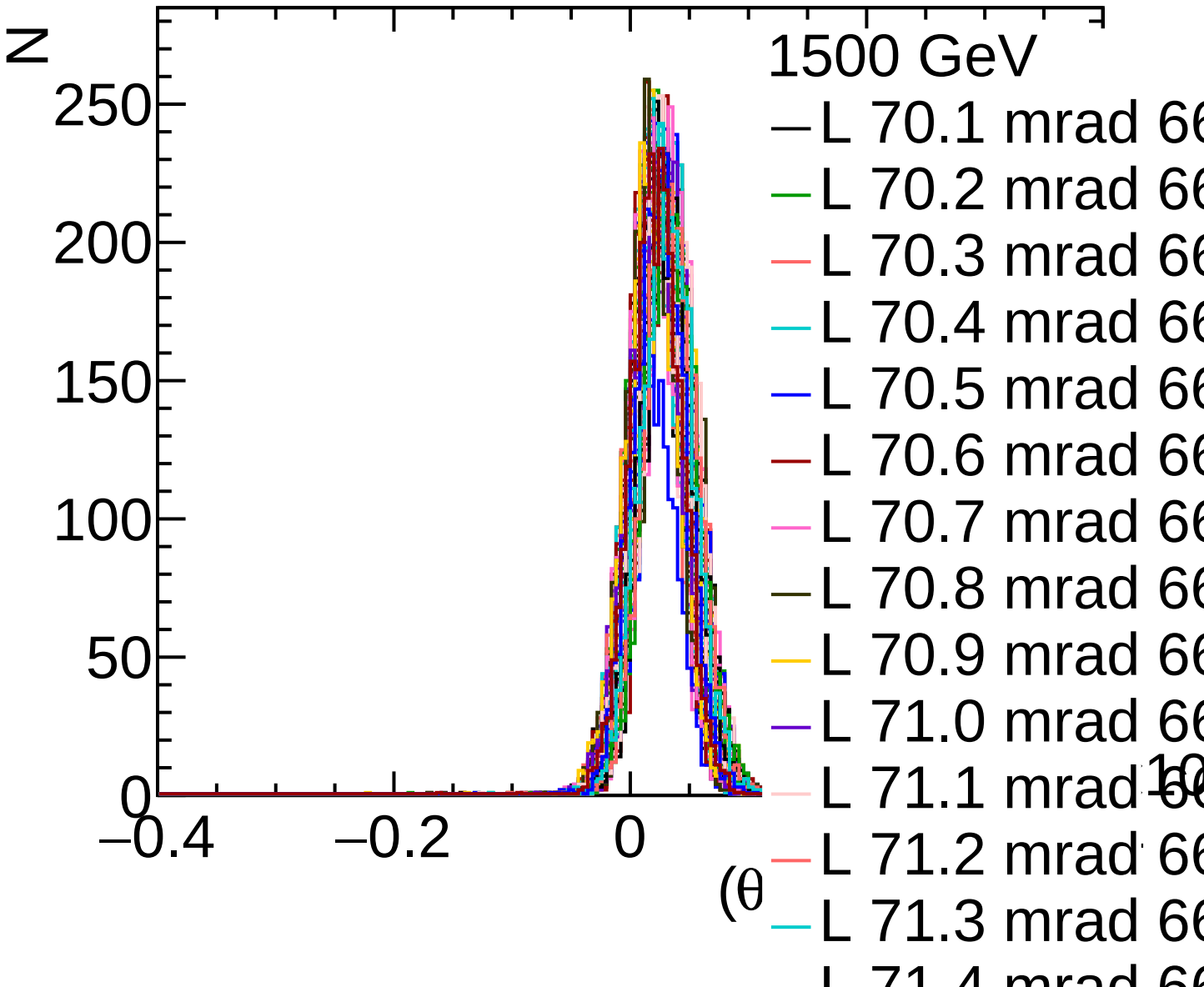
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 65
L 70.2 mrad 65
L 70.3 mrad 65
L 70.4 mrad 65
L 70.5 mrad 65
L 70.6 mrad 65
L 70.7 mrad 65
L 70.8 mrad 65
L 70.9 mrad 65
L 71.0 mrad 65
L 71.1 mrad 65
L 71.2 mrad 65
L 71.3 mrad 65


N
300
200
100
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 66
L 60.1 mrad 66
L 60.2 mrad 66
L 60.3 mrad 66
L 60.4 mrad 66
L 60.5 mrad 66
L 60.6 mrad 66
L 60.7 mrad 66
L 60.8 mrad 66
L 60.9 mrad 66
L 61.0 mrad 66
L 61.1 mrad 66
L 61.2 mrad 66


N
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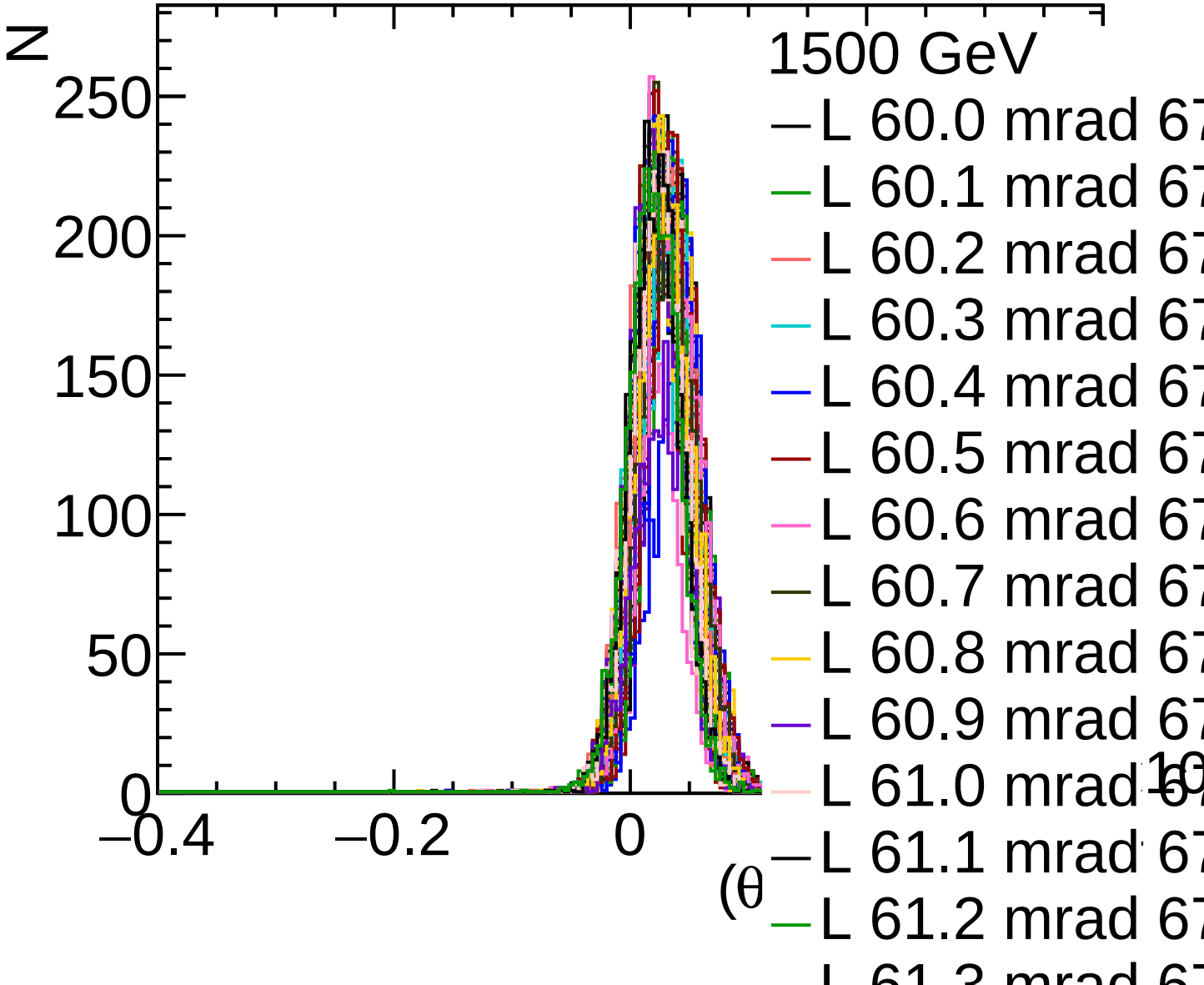
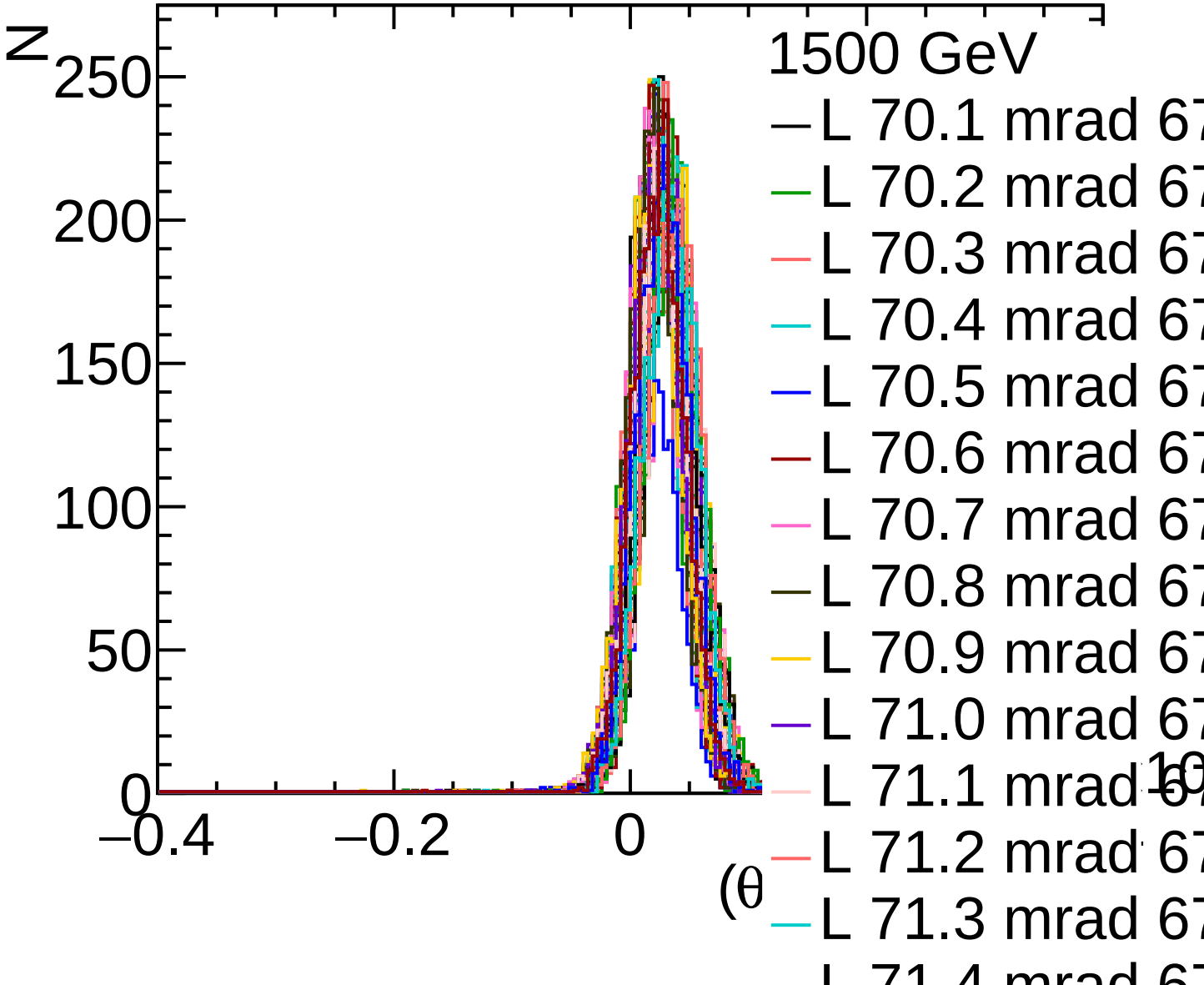
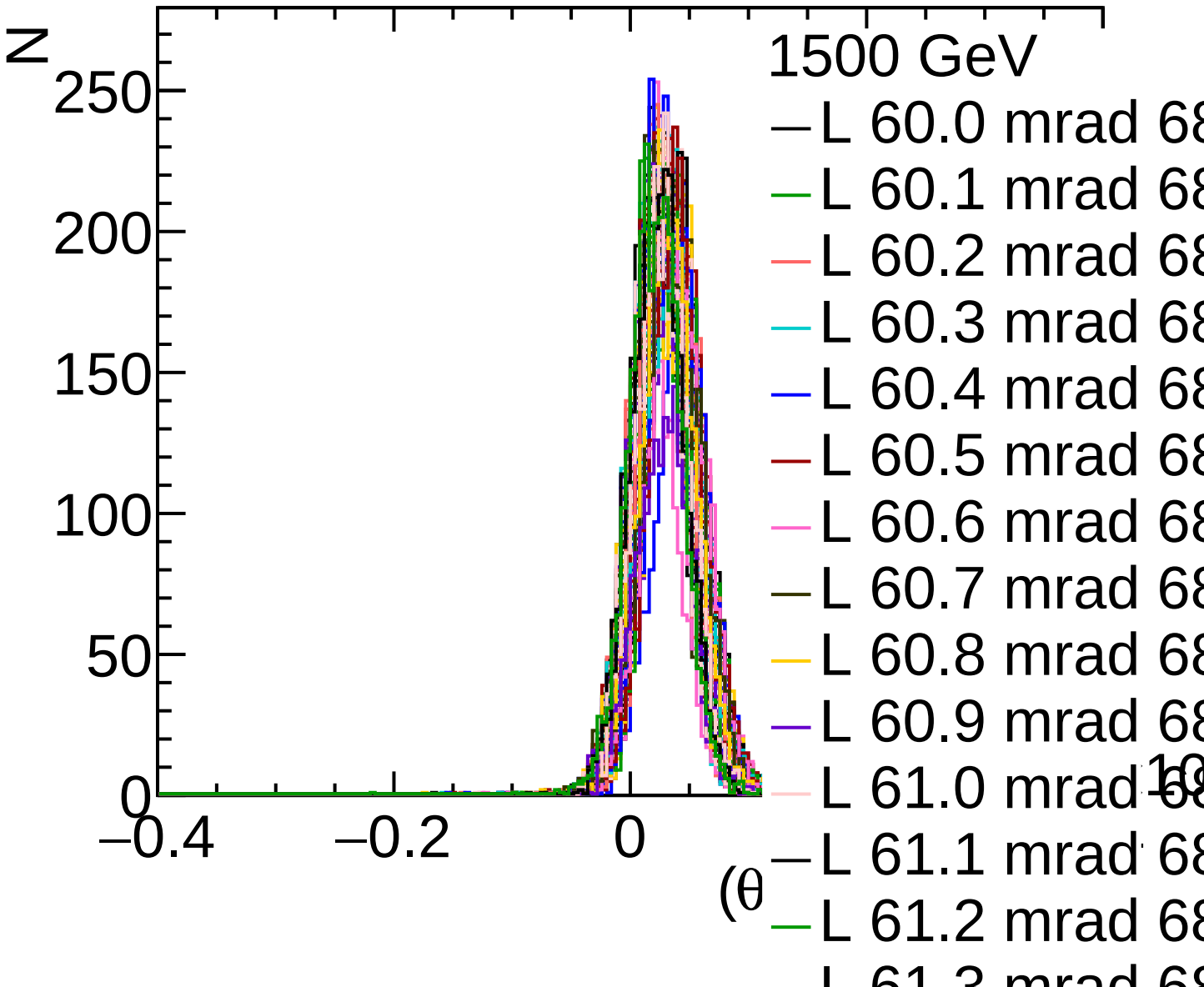
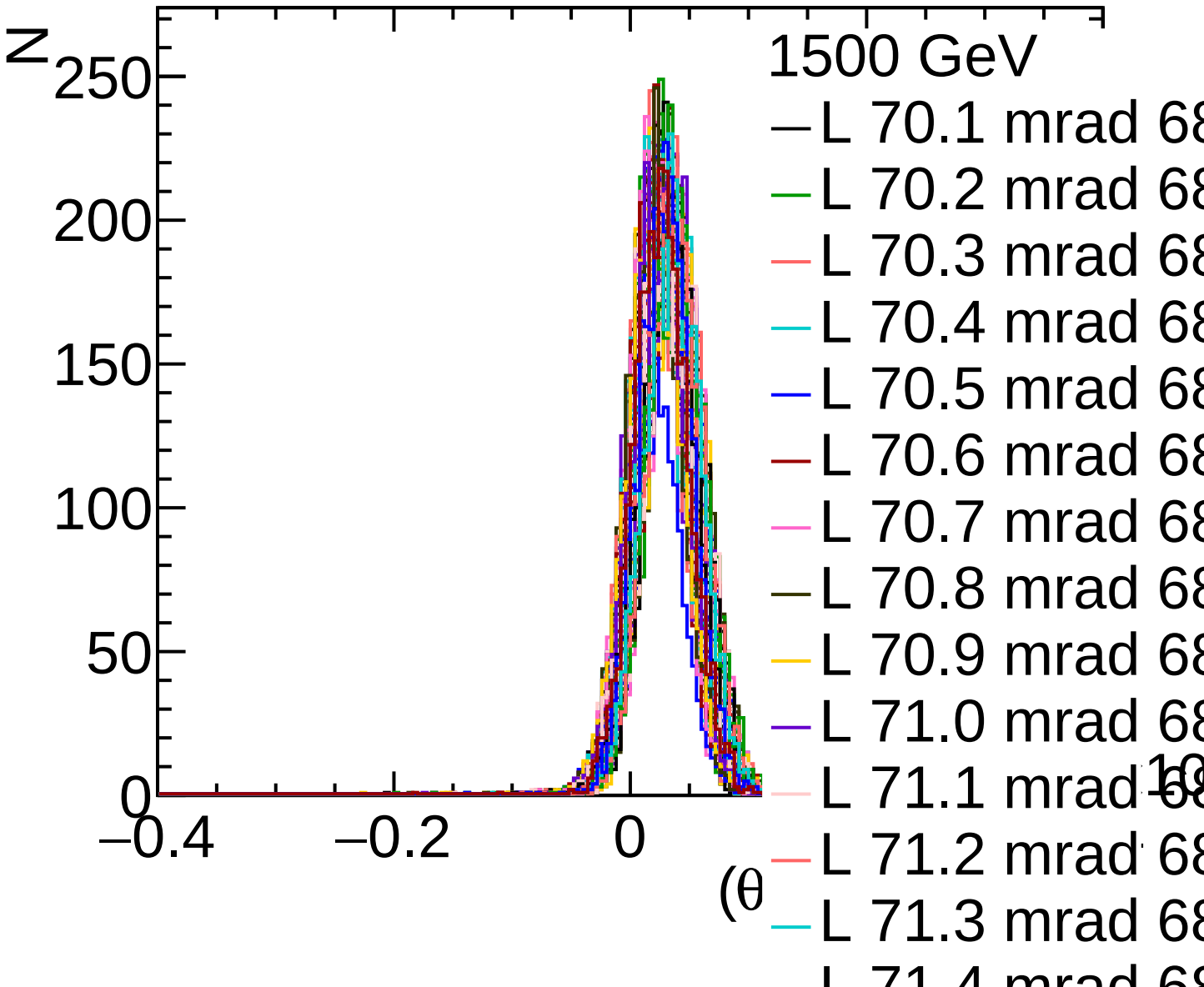
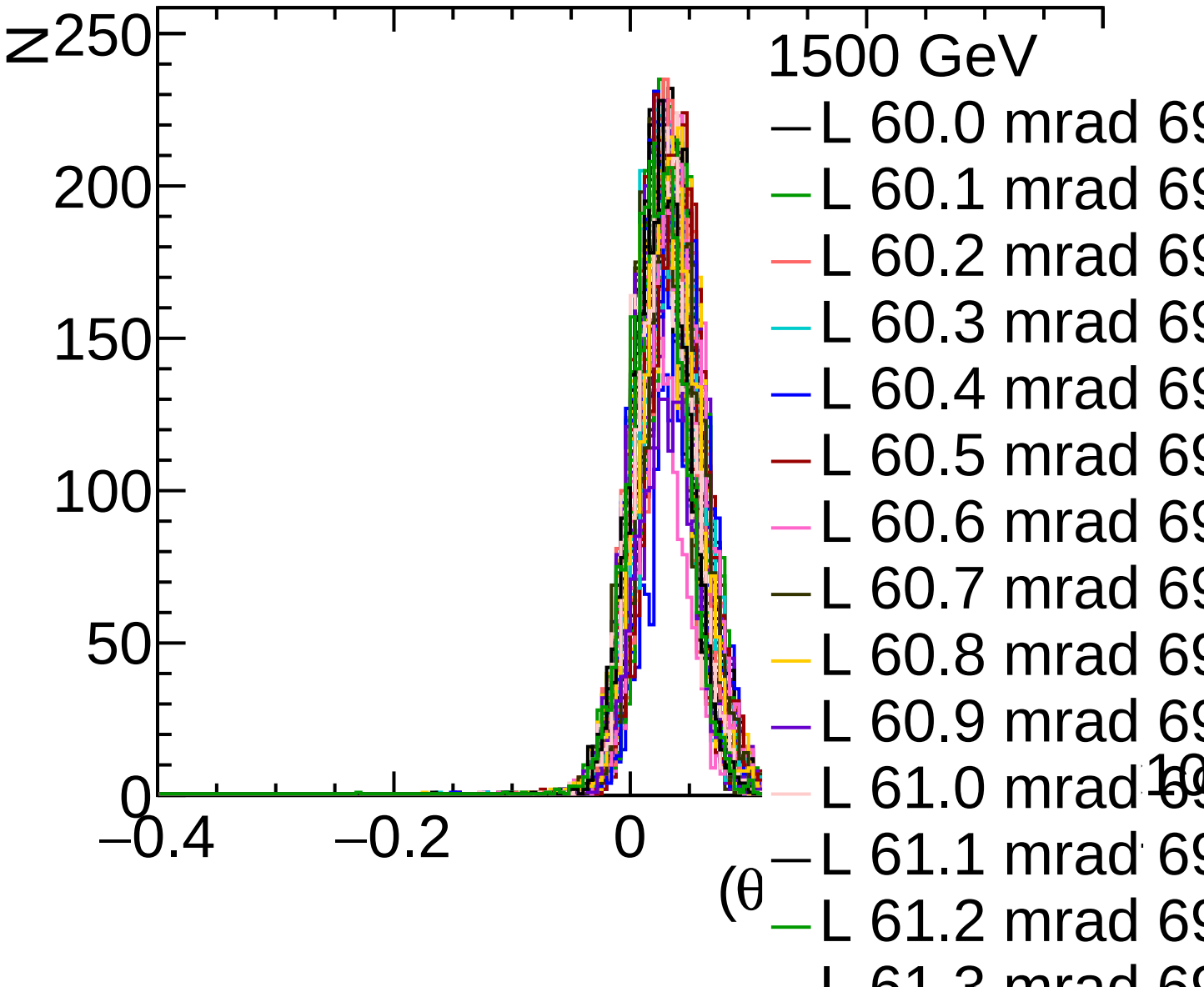
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 66
L 70.2 mrad 66
L 70.3 mrad 66
L 70.4 mrad 66
L 70.5 mrad 66
L 70.6 mrad 66
L 70.7 mrad 66
L 70.8 mrad 66
L 70.9 mrad 66
L 71.0 mrad 66
L 71.1 mrad 66
L 71.2 mrad 66
L 71.3 mrad 66

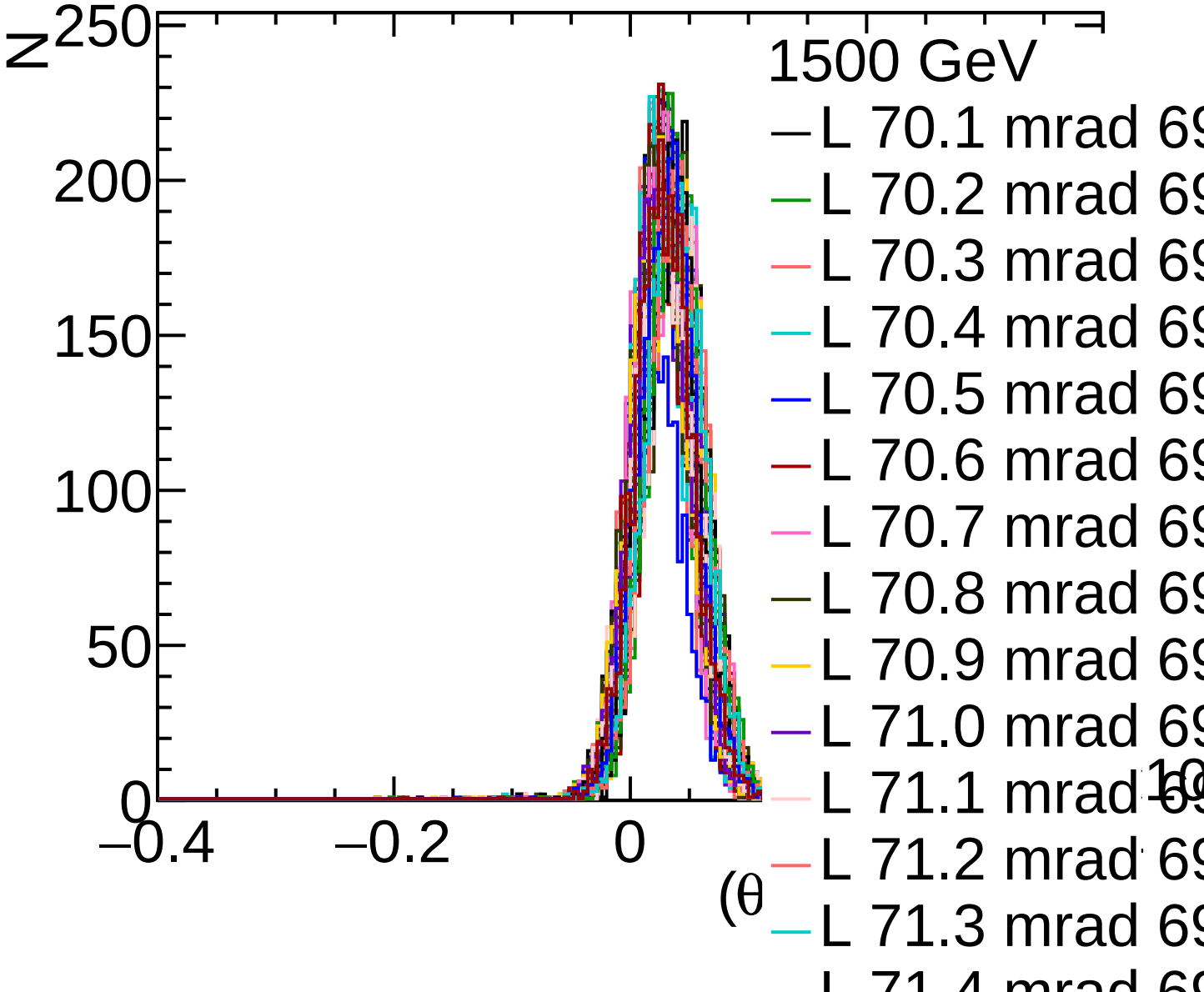

N
250
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 67
L 60.1 mrad 67
L 60.2 mrad 67
L 60.3 mrad 67
L 60.4 mrad 67
L 60.5 mrad 67
L 60.6 mrad 67
L 60.7 mrad 67
L 60.8 mrad 67
L 60.9 mrad 67
L 61.0 mrad 67
L 61.1 mrad 67
L 61.2 mrad 67

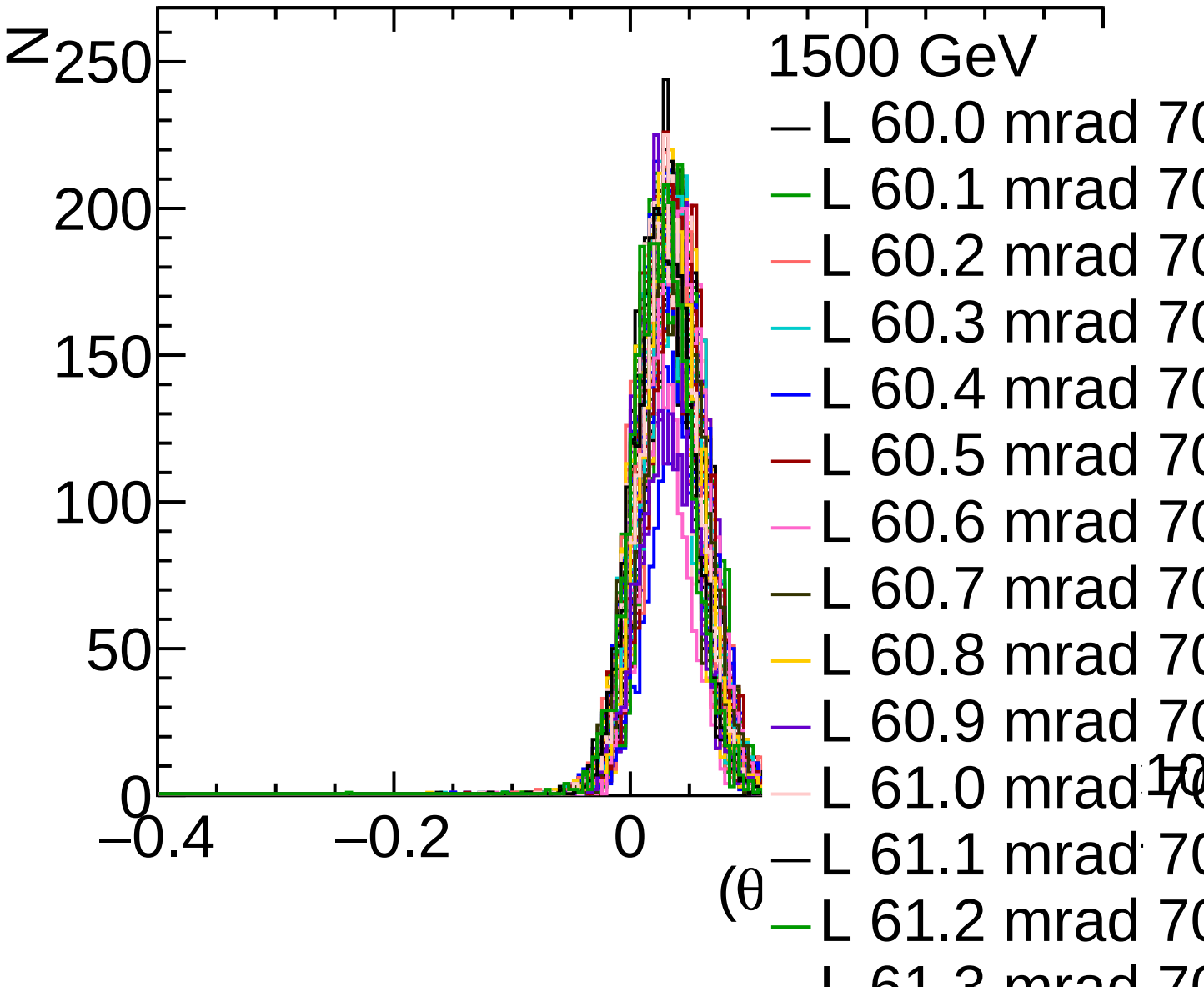

N
250
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 67
L 70.2 mrad 67
L 70.3 mrad 67
L 70.4 mrad 67
L 70.5 mrad 67
L 70.6 mrad 67
L 70.7 mrad 67
L 70.8 mrad 67
L 70.9 mrad 67
L 71.0 mrad 67
L 71.1 mrad 67
L 71.2 mrad 67
L 71.3 mrad 67

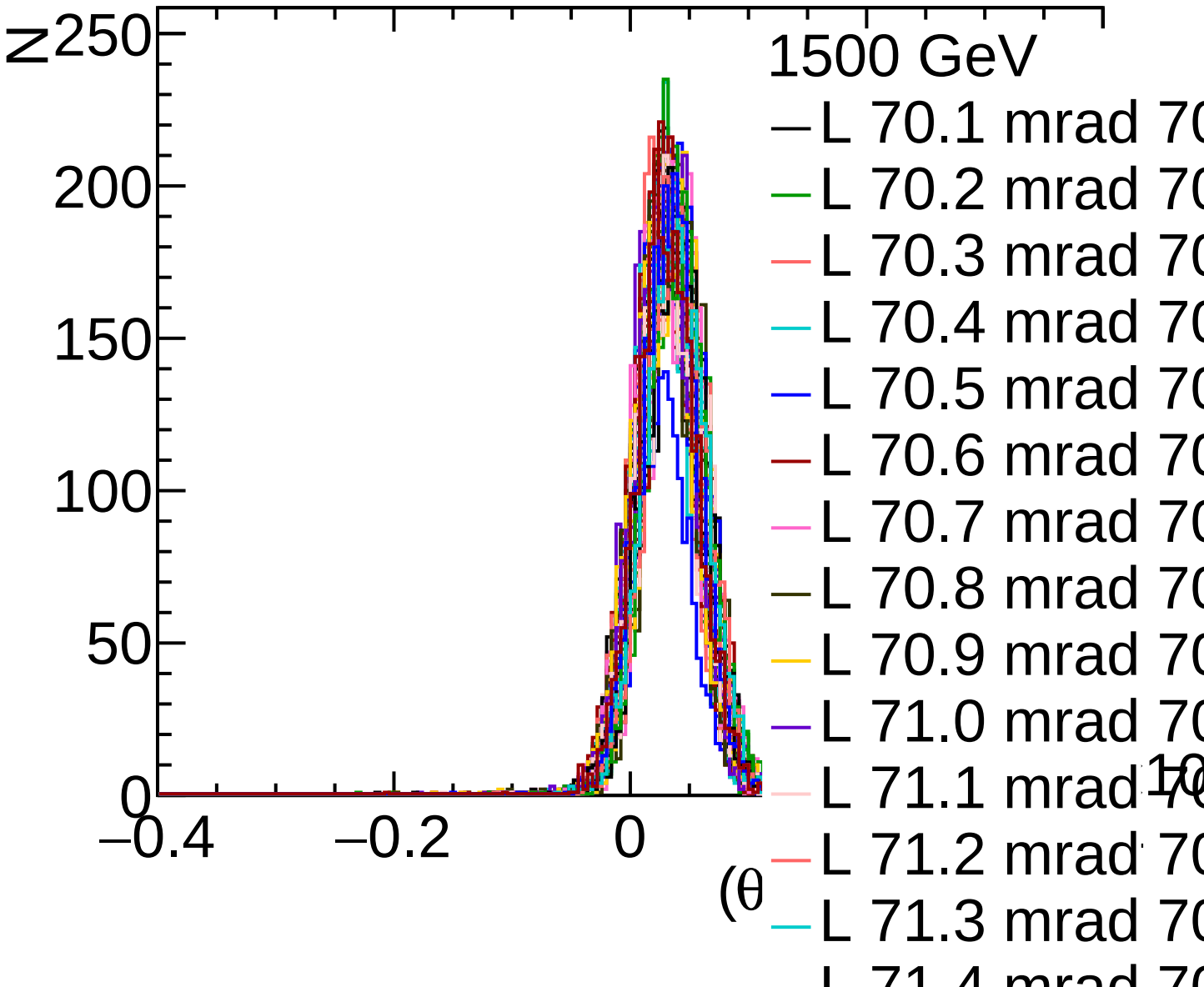

N
250
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 68
L 60.1 mrad 68
L 60.2 mrad 68
L 60.3 mrad 68
L 60.4 mrad 68
L 60.5 mrad 68
L 60.6 mrad 68
L 60.7 mrad 68
L 60.8 mrad 68
L 60.9 mrad 68
L 61.0 mrad 68
L 61.1 mrad 68
L 61.2 mrad 68

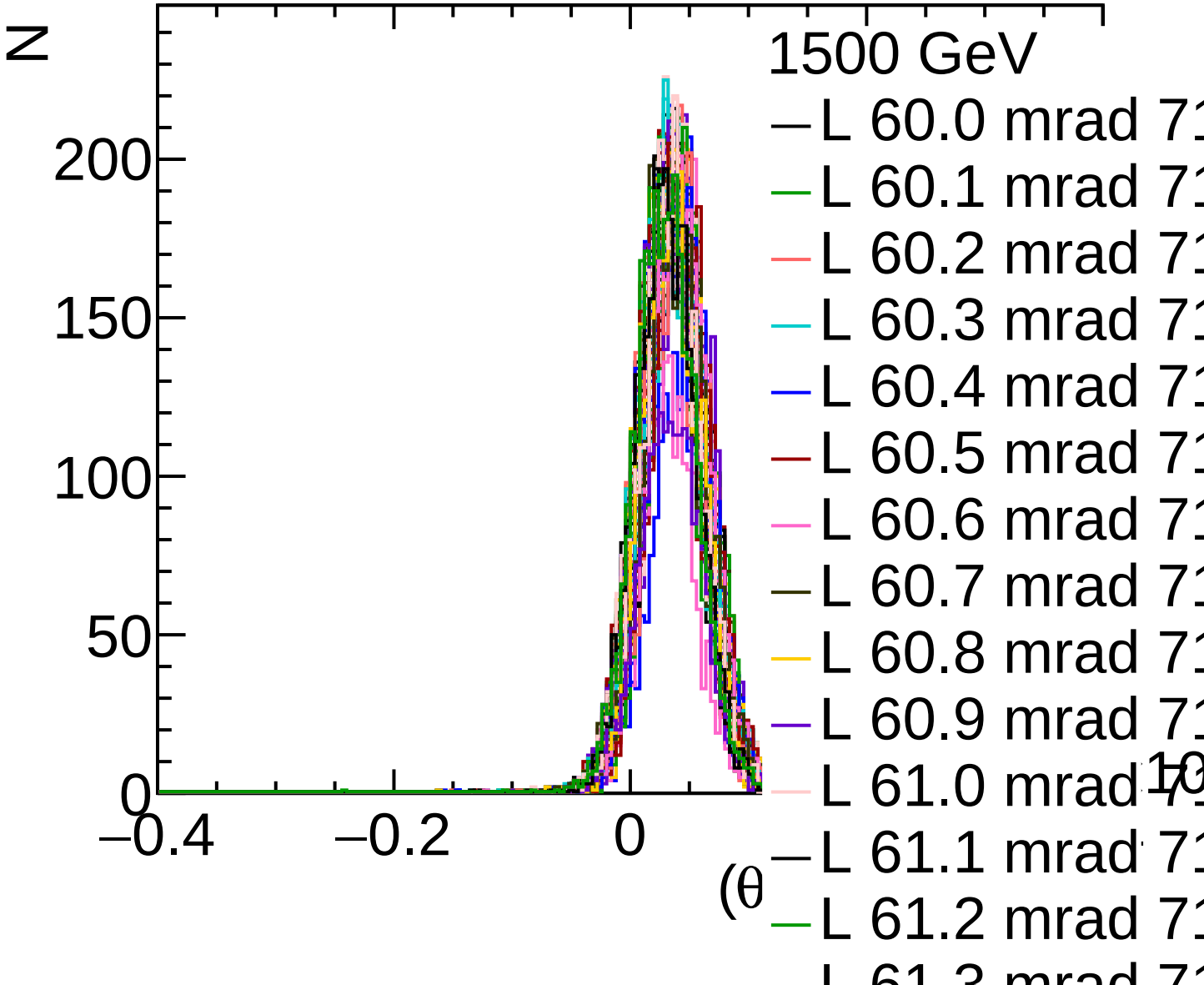

N
250
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 68
L 70.2 mrad 68
L 70.3 mrad 68
L 70.4 mrad 68
L 70.5 mrad 68
L 70.6 mrad 68
L 70.7 mrad 68
L 70.8 mrad 68
L 70.9 mrad 68
L 71.0 mrad 68
L 71.1 mrad 68
L 71.2 mrad 68
L 71.3 mrad 68

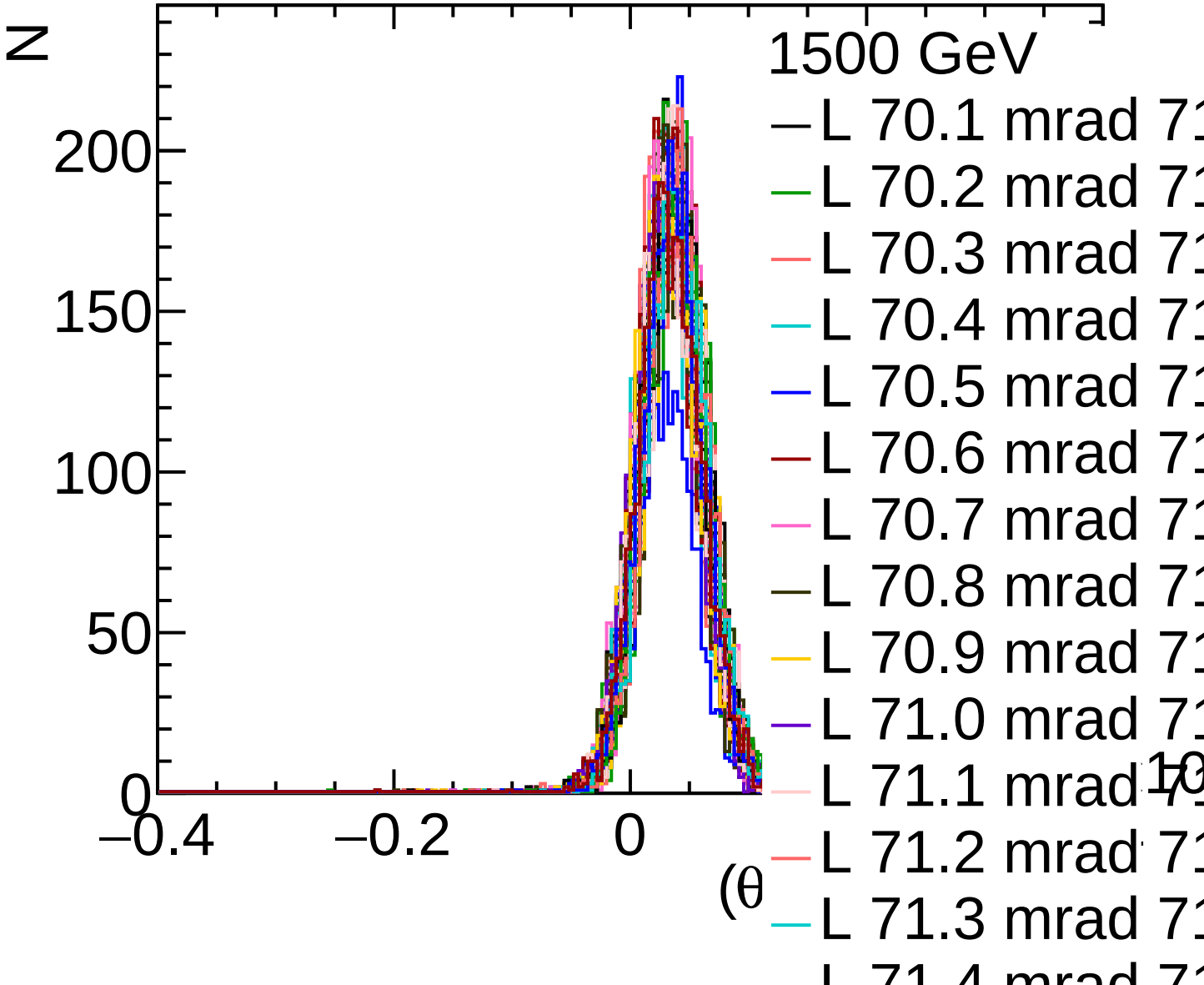

N
250
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 69
L 60.1 mrad 69
L 60.2 mrad 69
L 60.3 mrad 69
L 60.4 mrad 69
L 60.5 mrad 69
L 60.6 mrad 69
L 60.7 mrad 69
L 60.8 mrad 69
L 60.9 mrad 69
L 61.0 mrad 69
L 61.1 mrad 69
L 61.2 mrad 69

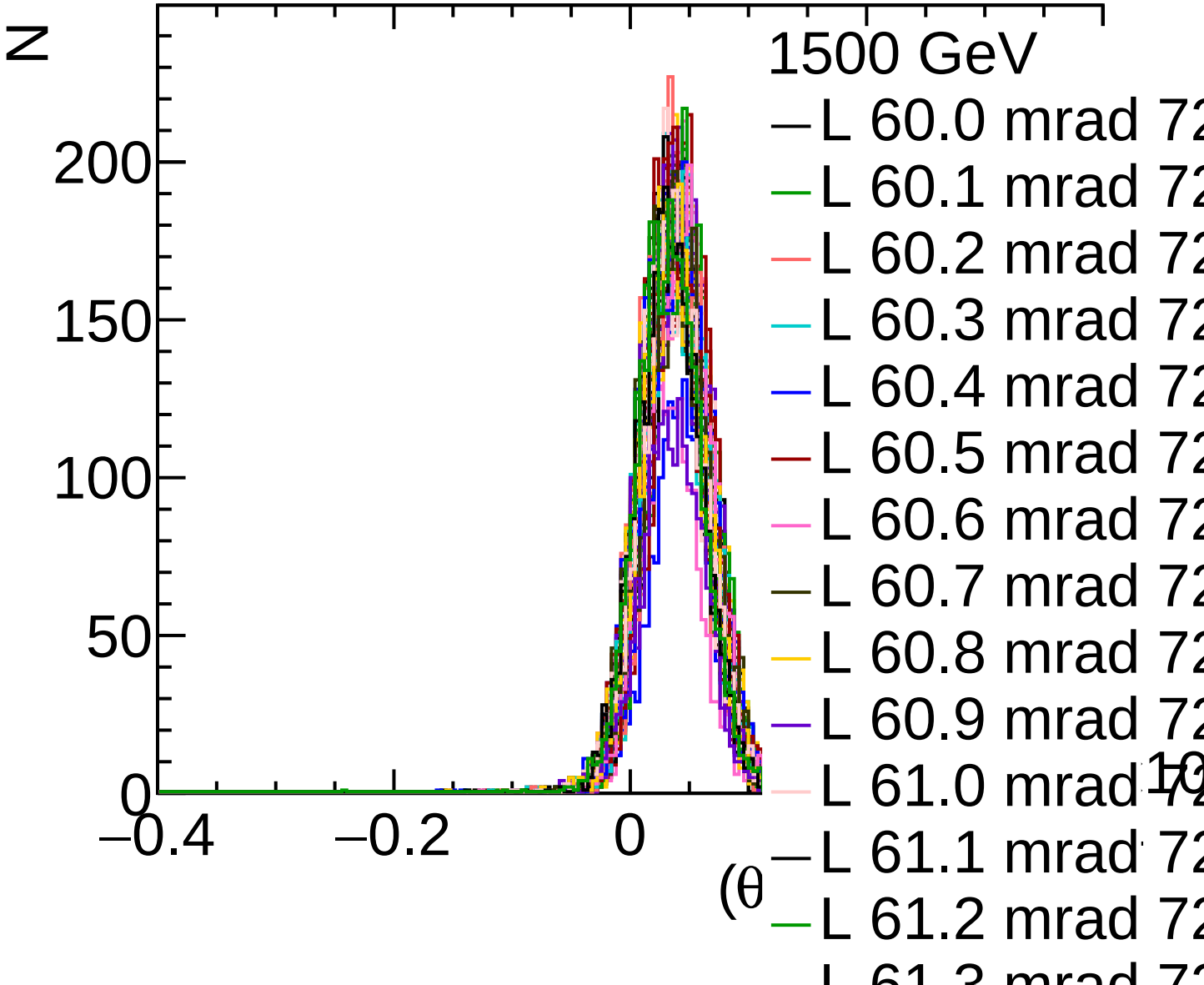

N
250
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 69
L 70.2 mrad 69
L 70.3 mrad 69
L 70.4 mrad 69
L 70.5 mrad 69
L 70.6 mrad 69
L 70.7 mrad 69
L 70.8 mrad 69
L 70.9 mrad 69
L 71.0 mrad 69
L 71.1 mrad 69
L 71.2 mrad 69
L 71.3 mrad 69

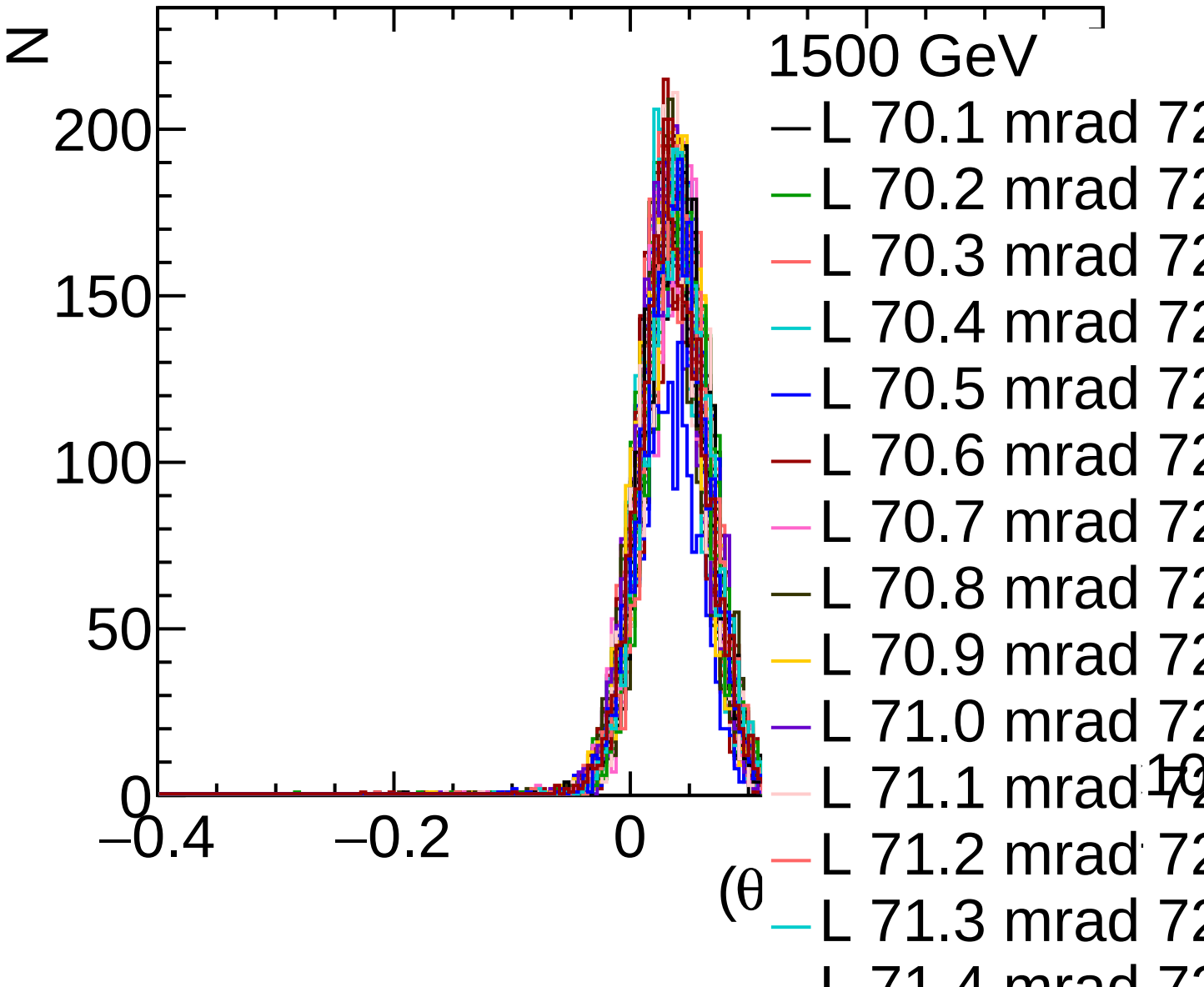

N
250
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 70
L 60.1 mrad 70
L 60.2 mrad 70
L 60.3 mrad 70
L 60.4 mrad 70
L 60.5 mrad 70
L 60.6 mrad 70
L 60.7 mrad 70
L 60.8 mrad 70
L 60.9 mrad 70
L 61.0 mrad 70
L 61.1 mrad 70
L 61.2 mrad 70
L 61.3 mrad 70

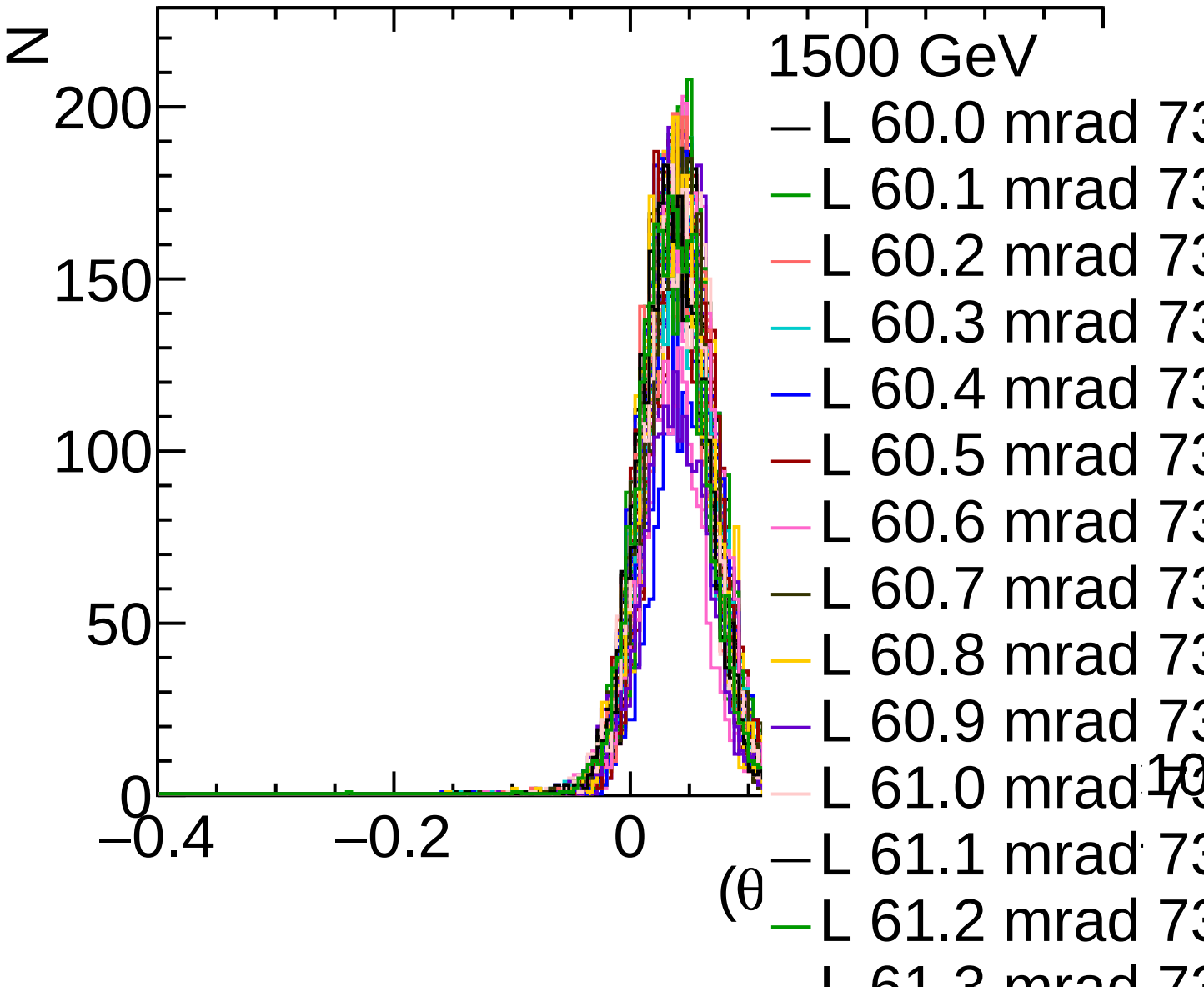

1500 GeV
L 70.1 mrad 70
L 70.2 mrad 70
L 70.3 mrad 70
L 70.4 mrad 70
L 70.5 mrad 70
L 70.6 mrad 70
L 70.7 mrad 70
L 70.8 mrad 70
L 70.9 mrad 70
L 71.0 mrad 70
L 71.1 mrad 70
L 71.2 mrad 70
L 71.3 mrad 70
250
200
150
100
50
0
–0.4
–0.2
0
(θ

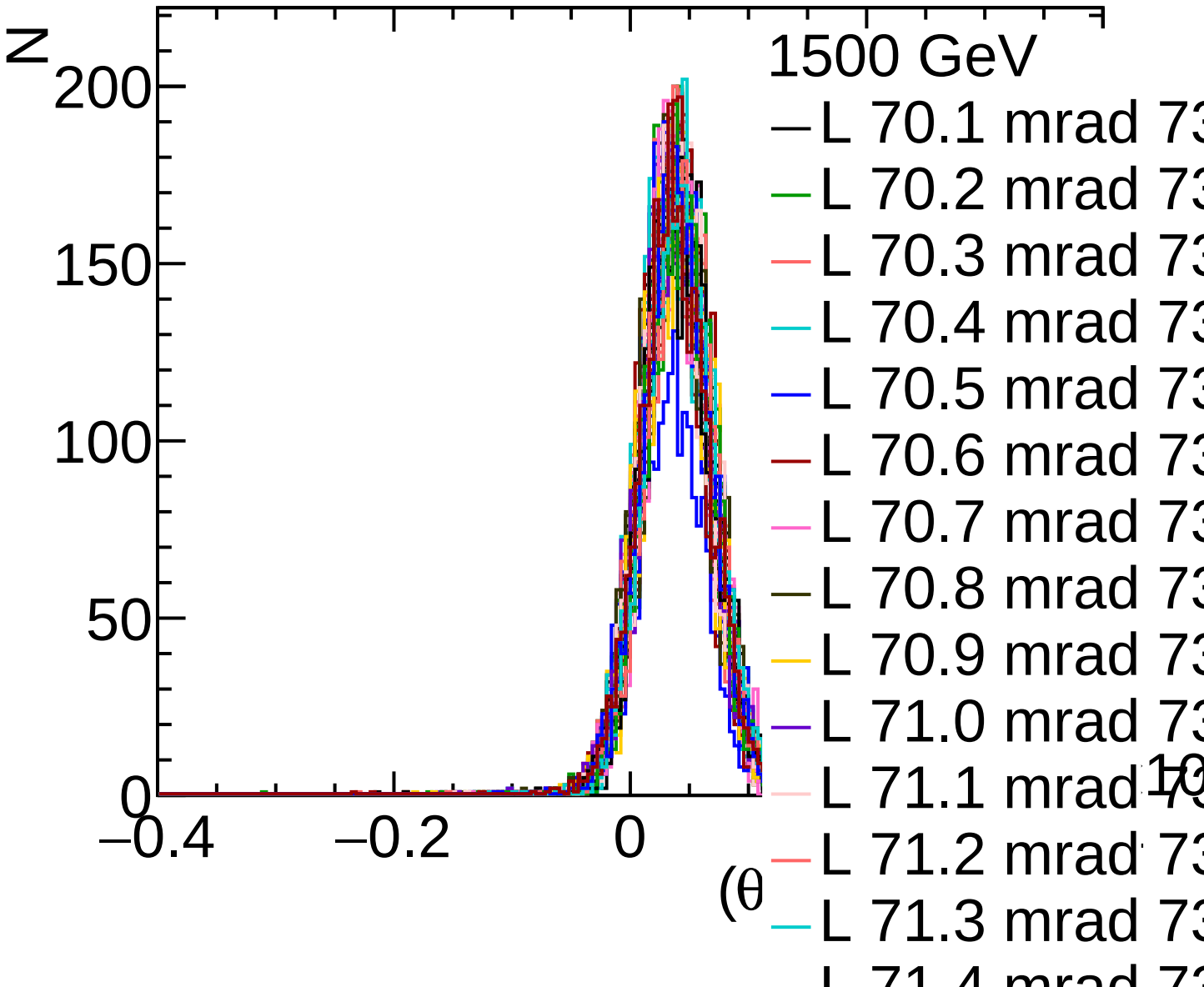

N
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 71
L 60.1 mrad 71
L 60.2 mrad 71
L 60.3 mrad 71
L 60.4 mrad 71
L 60.5 mrad 71
L 60.6 mrad 71
L 60.7 mrad 71
L 60.8 mrad 71
L 60.9 mrad 71
L 61.0 mrad 71
L 61.1 mrad 71
L 61.2 mrad 71
L 61.3 mrad 71

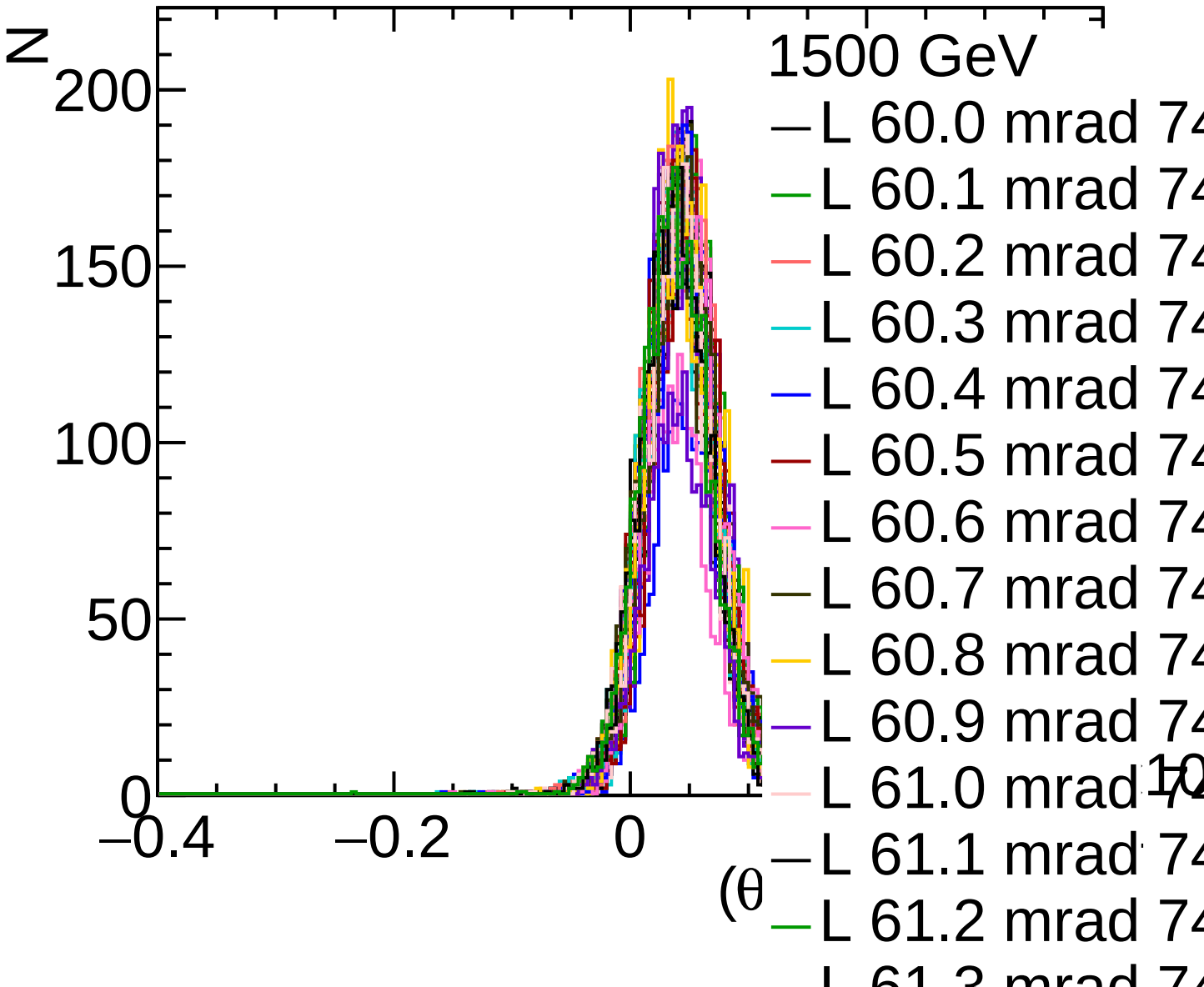

N
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 71
L 70.2 mrad 71
L 70.3 mrad 71
L 70.4 mrad 71
L 70.5 mrad 71
L 70.6 mrad 71
L 70.7 mrad 71
L 70.8 mrad 71
L 70.9 mrad 71
L 71.0 mrad 71
L 71.1 mrad 71
L 71.2 mrad 71
L 71.3 mrad 71

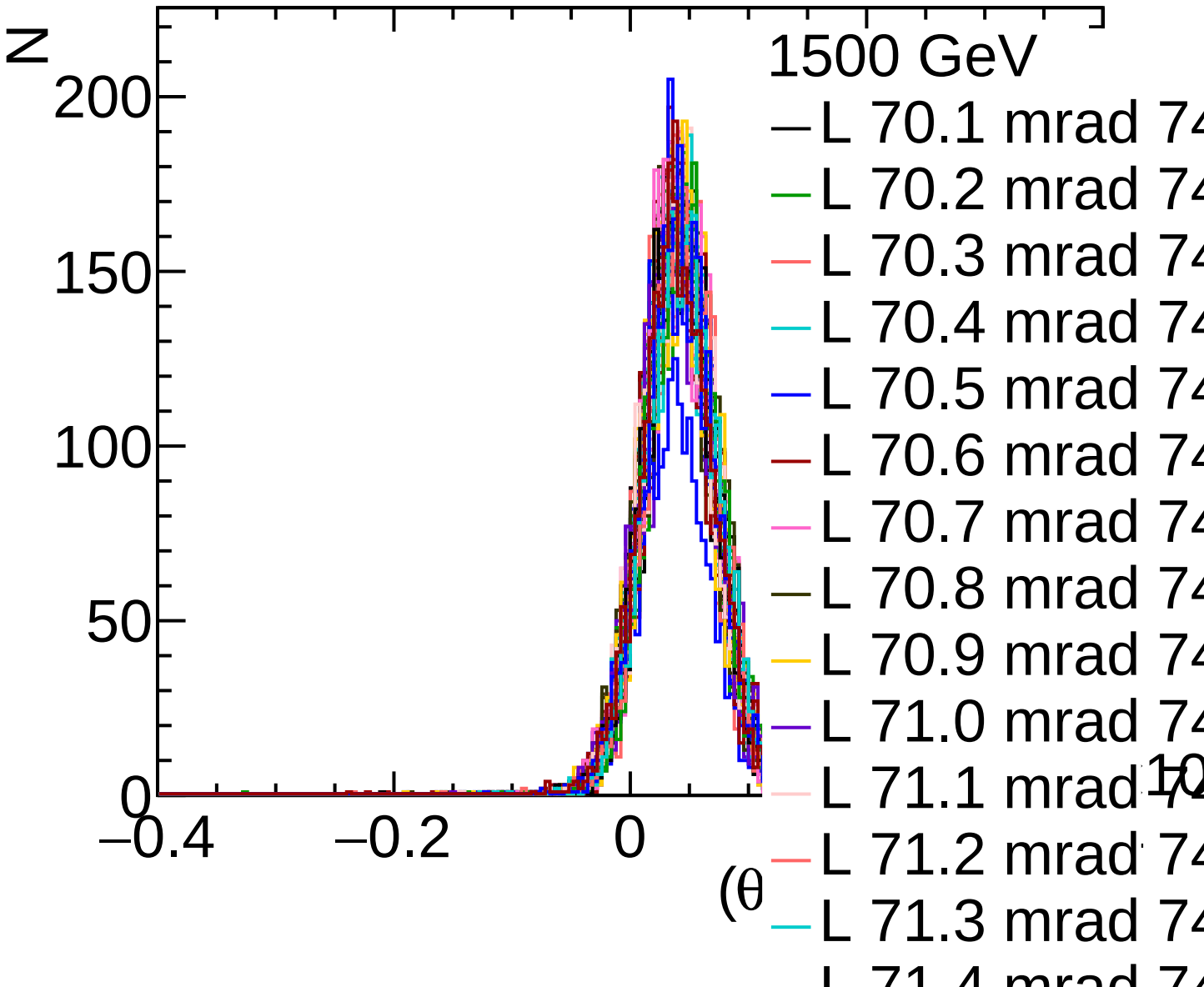

N
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 72
L 60.1 mrad 72
L 60.2 mrad 72
L 60.3 mrad 72
L 60.4 mrad 72
L 60.5 mrad 72
L 60.6 mrad 72
L 60.7 mrad 72
L 60.8 mrad 72
L 60.9 mrad 72
L 61.0 mrad 72
L 61.1 mrad 72
L 61.2 mrad 72

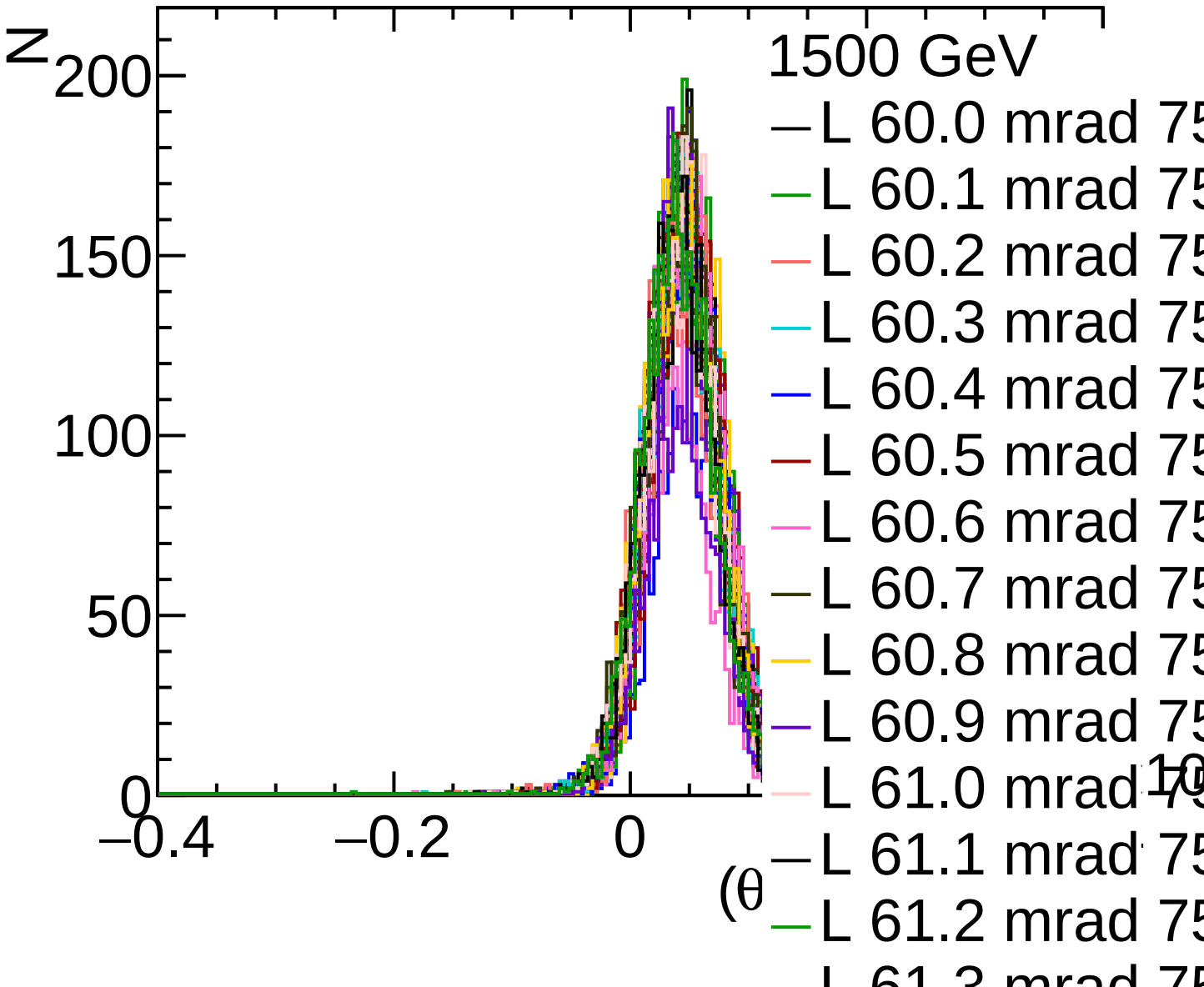

N
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 72
L 70.2 mrad 72
L 70.3 mrad 72
L 70.4 mrad 72
L 70.5 mrad 72
L 70.6 mrad 72
L 70.7 mrad 72
L 70.8 mrad 72
L 70.9 mrad 72
L 71.0 mrad 72
L 71.1 mrad 72
L 71.2 mrad 72
L 71.3 mrad 72

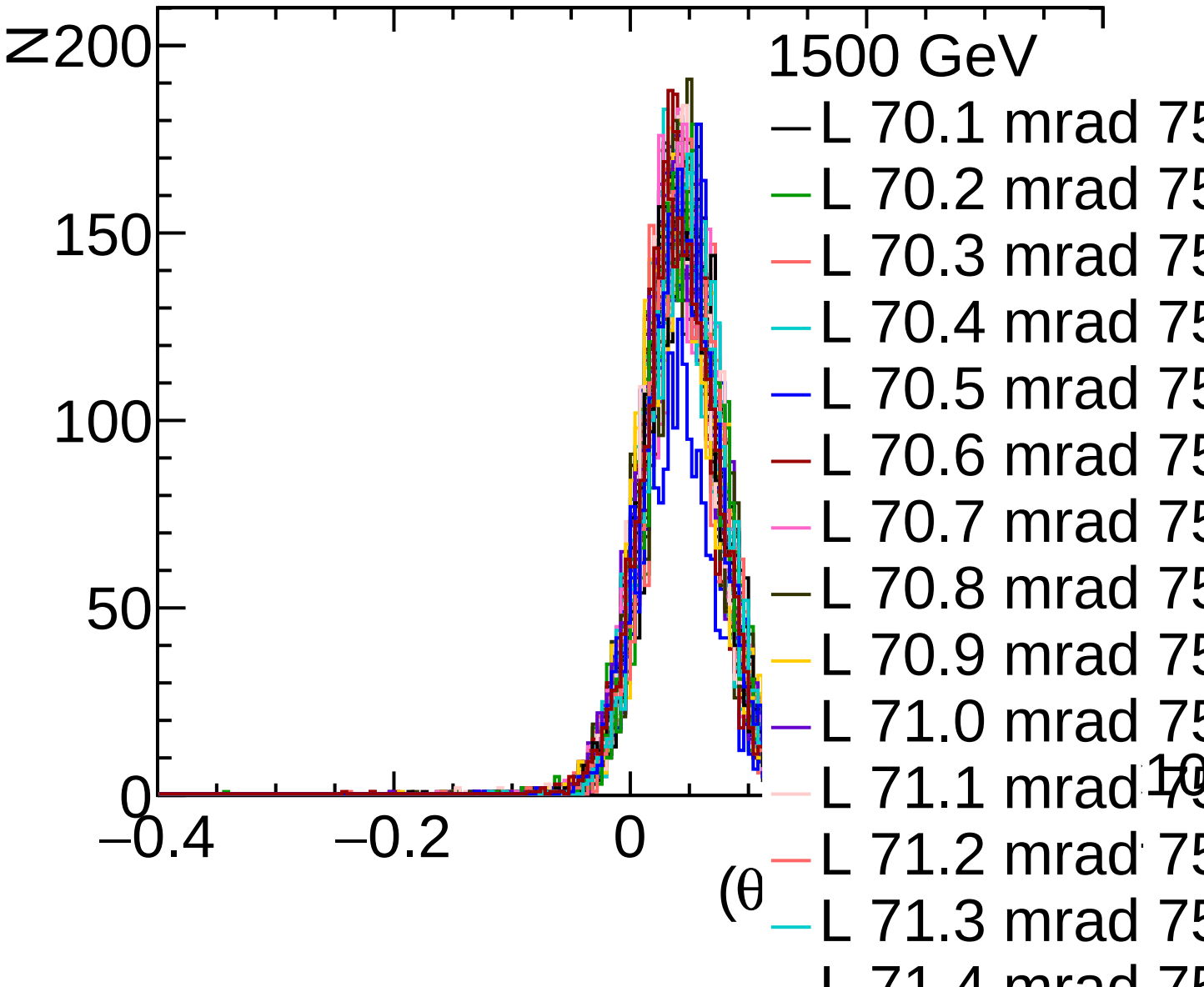

N
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 73
L 60.1 mrad 73
L 60.2 mrad 73
L 60.3 mrad 73
L 60.4 mrad 73
L 60.5 mrad 73
L 60.6 mrad 73
L 60.7 mrad 73
L 60.8 mrad 73
L 60.9 mrad 73
L 61.0 mrad 73
L 61.1 mrad 73
L 61.2 mrad 73

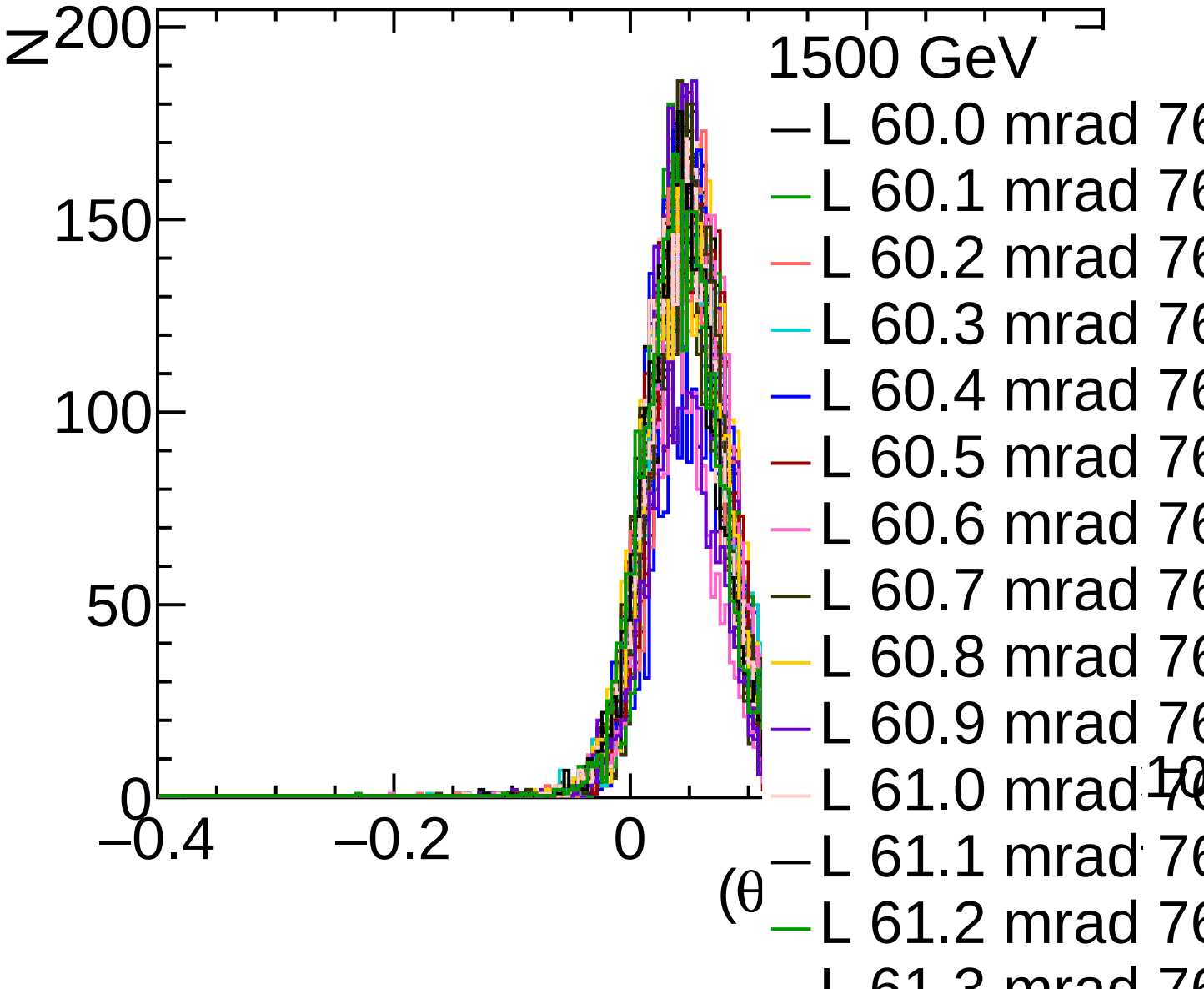

N
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 73
L 70.2 mrad 73
L 70.3 mrad 73
L 70.4 mrad 73
L 70.5 mrad 73
L 70.6 mrad 73
L 70.7 mrad 73
L 70.8 mrad 73
L 70.9 mrad 73
L 71.0 mrad 73
L 71.1 mrad 73
L 71.2 mrad 73
L 71.3 mrad 73

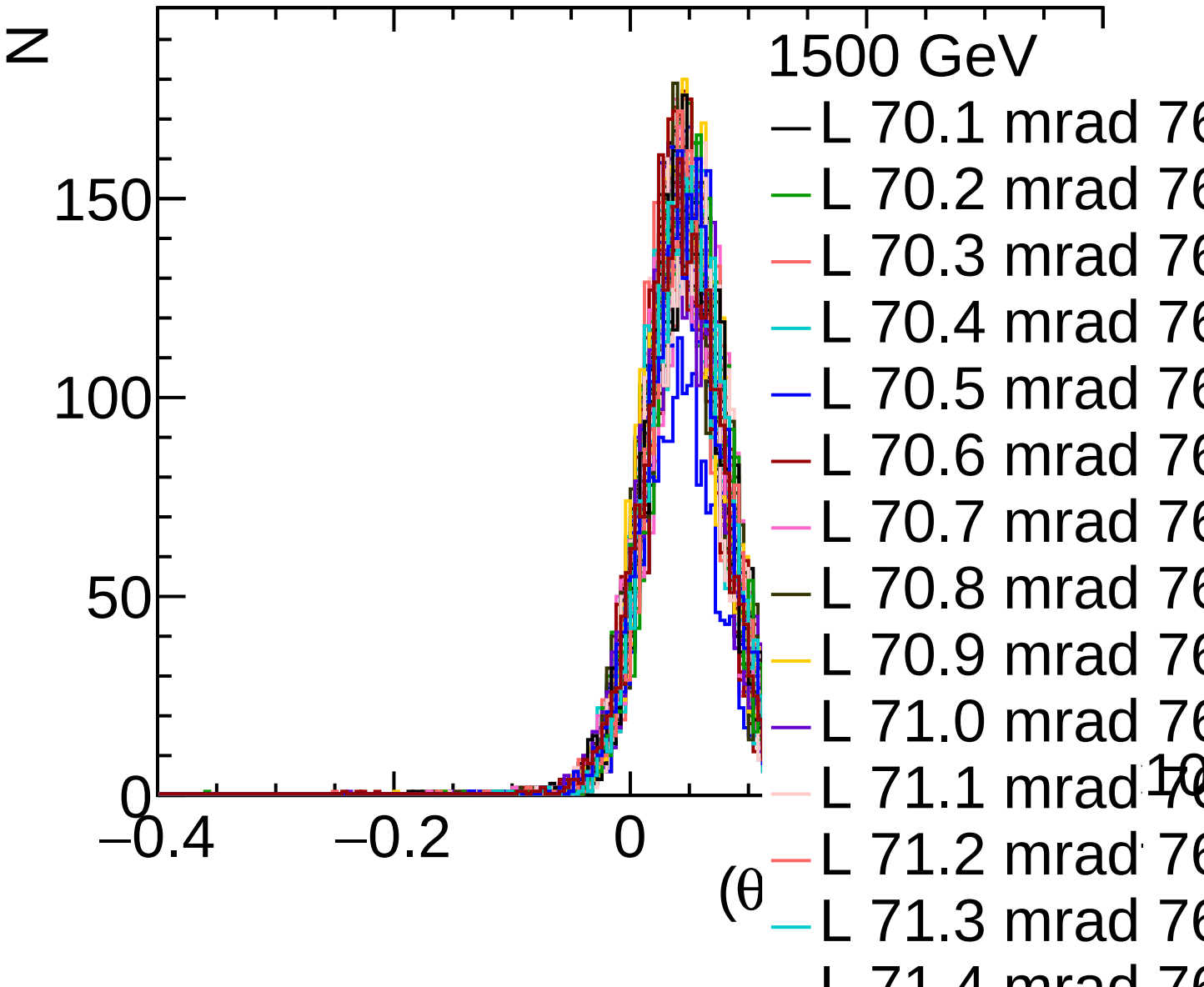

N
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 74
L 60.1 mrad 74
L 60.2 mrad 74
L 60.3 mrad 74
L 60.4 mrad 74
L 60.5 mrad 74
L 60.6 mrad 74
L 60.7 mrad 74
L 60.8 mrad 74
L 60.9 mrad 74
L 61.0 mrad 74
L 61.1 mrad 74
L 61.2 mrad 74
L 61.3 mrad 74


N
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 74
L 70.2 mrad 74
L 70.3 mrad 74
L 70.4 mrad 74
L 70.5 mrad 74
L 70.6 mrad 74
L 70.7 mrad 74
L 70.8 mrad 74
L 70.9 mrad 74
L 71.0 mrad 74
L 71.1 mrad 74
L 71.2 mrad 74
L 71.3 mrad 74


N
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 75
L 60.1 mrad 75
L 60.2 mrad 75
L 60.3 mrad 75
L 60.4 mrad 75
L 60.5 mrad 75
L 60.6 mrad 75
L 60.7 mrad 75
L 60.8 mrad 75
L 60.9 mrad 75
L 61.0 mrad 75
L 61.1 mrad 75
L 61.2 mrad 75


1500 GeV
L 70.1 mrad 75
L 70.2 mrad 75
L 70.3 mrad 75
L 70.4 mrad 75
L 70.5 mrad 75
L 70.6 mrad 75
L 70.7 mrad 75
L 70.8 mrad 75
L 70.9 mrad 75
L 71.0 mrad 75
L 71.1 mrad 75
L 71.2 mrad 75
L 71.3 mrad 75
200
150
100
50
0
–0.4
–0.2
0
(θ


N
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 76
L 60.1 mrad 76
L 60.2 mrad 76
L 60.3 mrad 76
L 60.4 mrad 76
L 60.5 mrad 76
L 60.6 mrad 76
L 60.7 mrad 76
L 60.8 mrad 76
L 60.9 mrad 76
L 61.0 mrad 76
L 61.1 mrad 76
L 61.2 mrad 76


N
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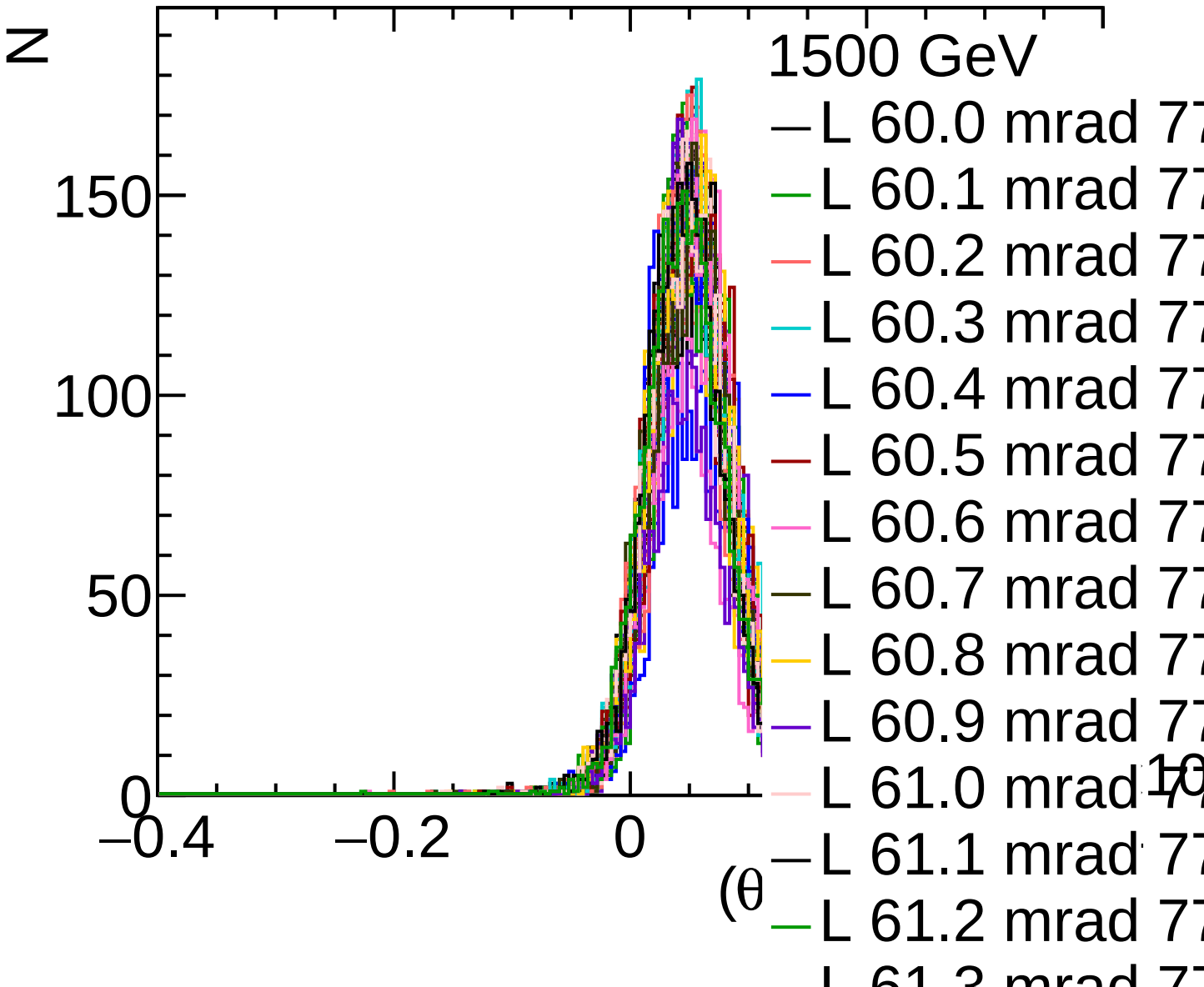
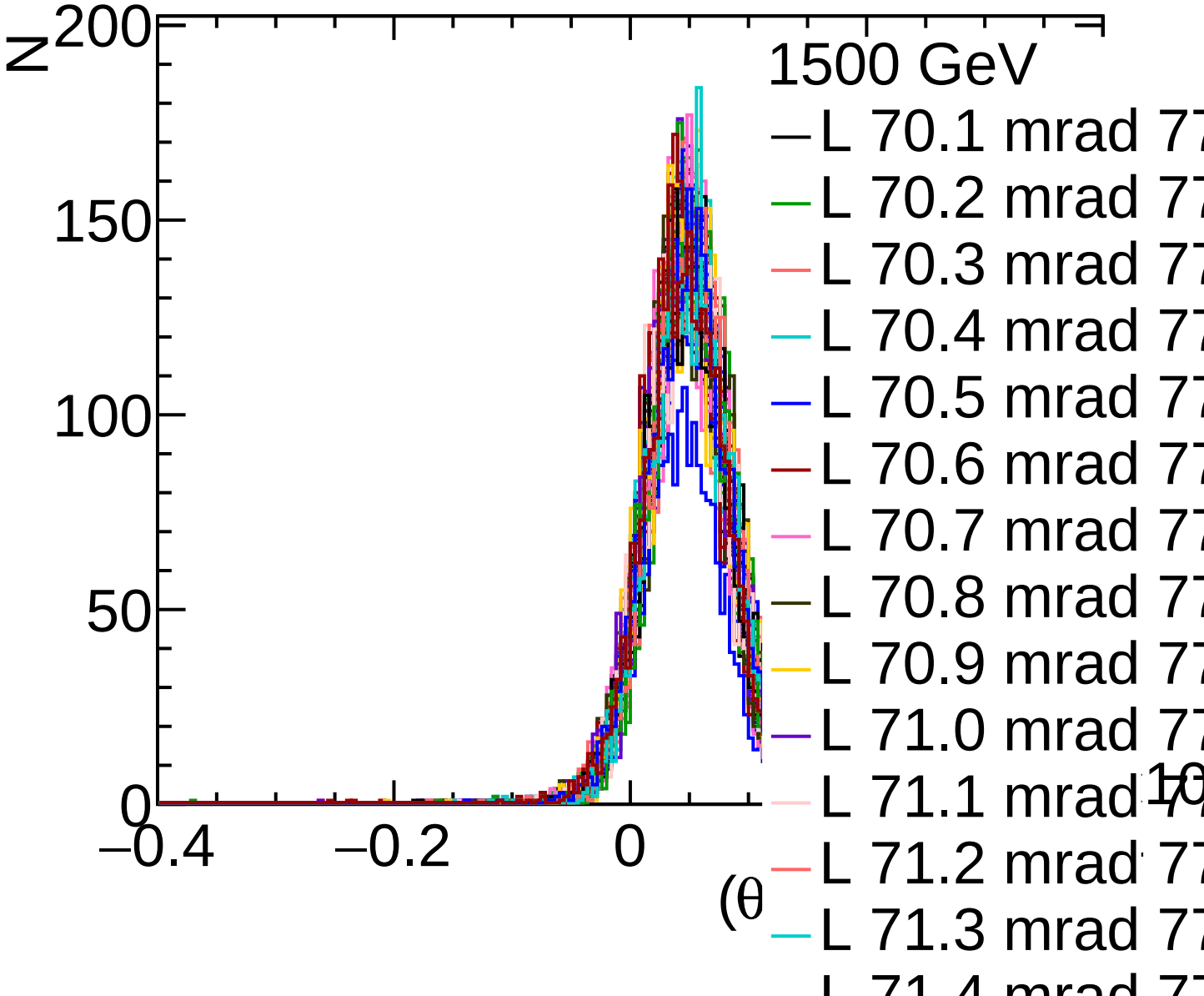
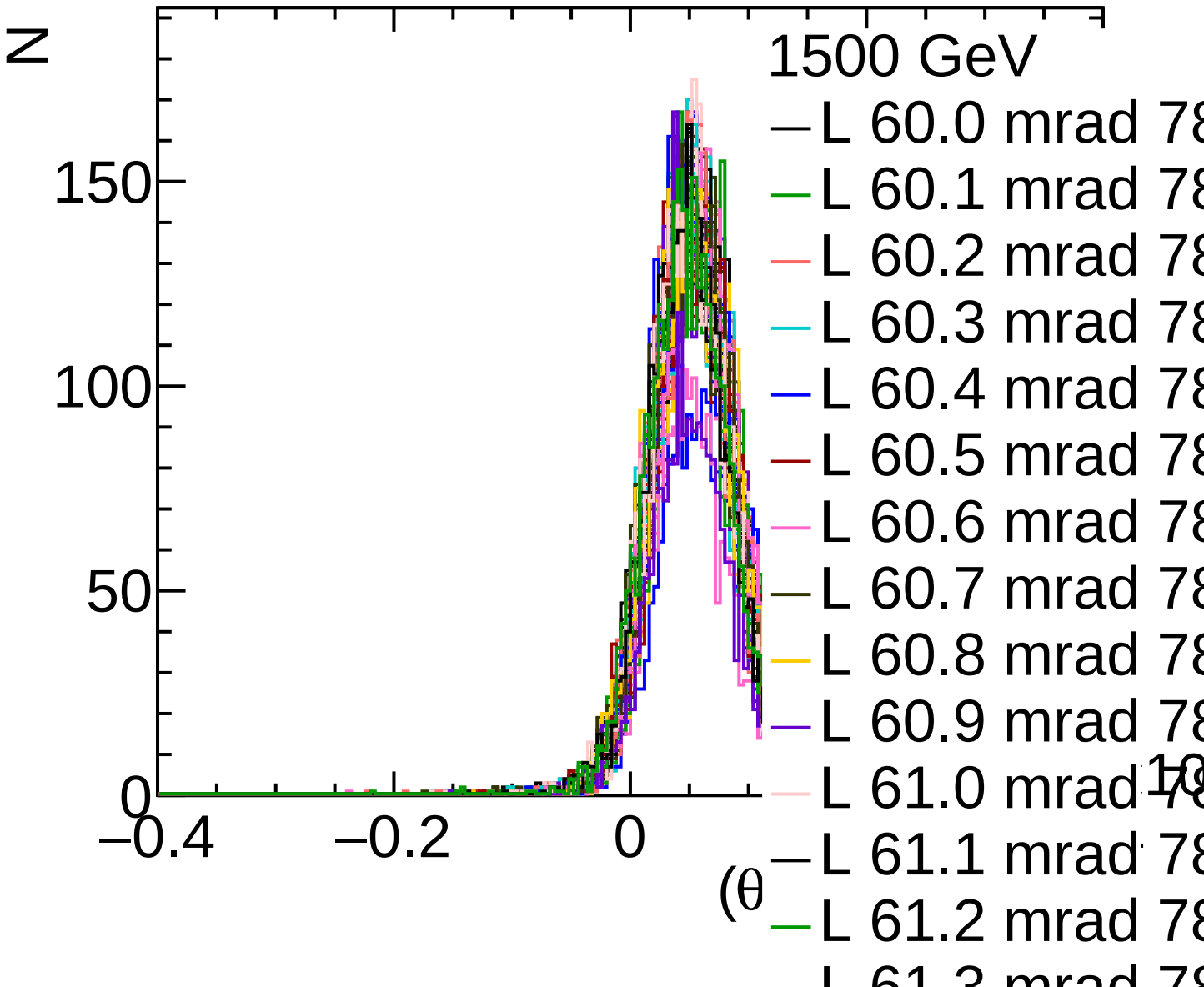
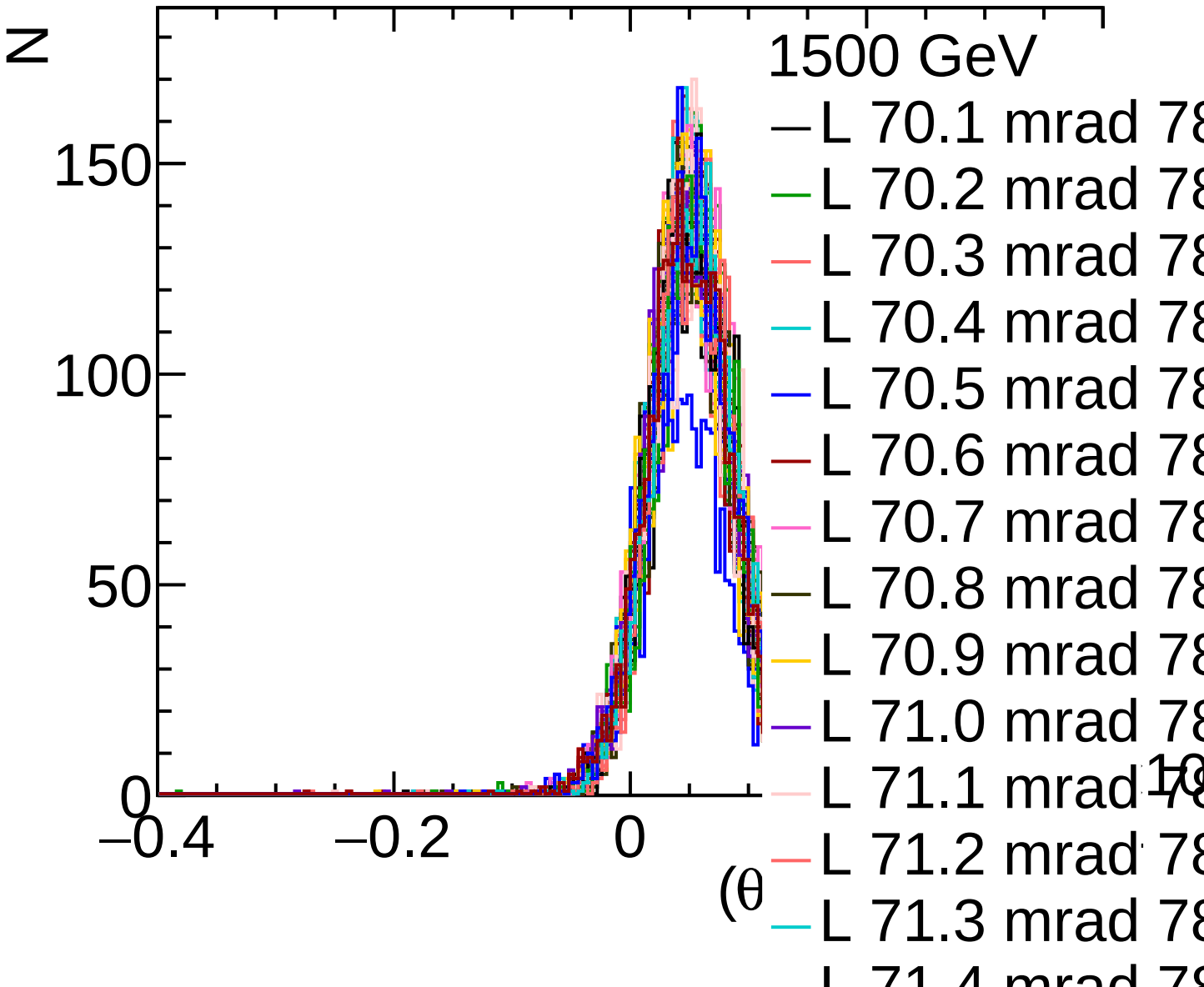
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 76
L 70.2 mrad 76
L 70.3 mrad 76
L 70.4 mrad 76
L 70.5 mrad 76
L 70.6 mrad 76
L 70.7 mrad 76
L 70.8 mrad 76
L 70.9 mrad 76
L 71.0 mrad 76
L 71.1 mrad 76
L 71.2 mrad 76
L 71.3 mrad 76


N
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 77
L 60.1 mrad 77
L 60.2 mrad 77
L 60.3 mrad 77
L 60.4 mrad 77
L 60.5 mrad 77
L 60.6 mrad 77
L 60.7 mrad 77
L 60.8 mrad 77
L 60.9 mrad 77
L 61.0 mrad 77
L 61.1 mrad 77
L 61.2 mrad 77


N
200
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 77
L 70.2 mrad 77
L 70.3 mrad 77
L 70.4 mrad 77
L 70.5 mrad 77
L 70.6 mrad 77
L 70.7 mrad 77
L 70.8 mrad 77
L 70.9 mrad 77
L 71.0 mrad 77
L 71.1 mrad 77
L 71.2 mrad 77
L 71.3 mrad 77


N
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 78
L 60.1 mrad 78
L 60.2 mrad 78
L 60.3 mrad 78
L 60.4 mrad 78
L 60.5 mrad 78
L 60.6 mrad 78
L 60.7 mrad 78
L 60.8 mrad 78
L 60.9 mrad 78
L 61.0 mrad 78
L 61.1 mrad 78
L 61.2 mrad 78
L 61.3 mrad 78


N
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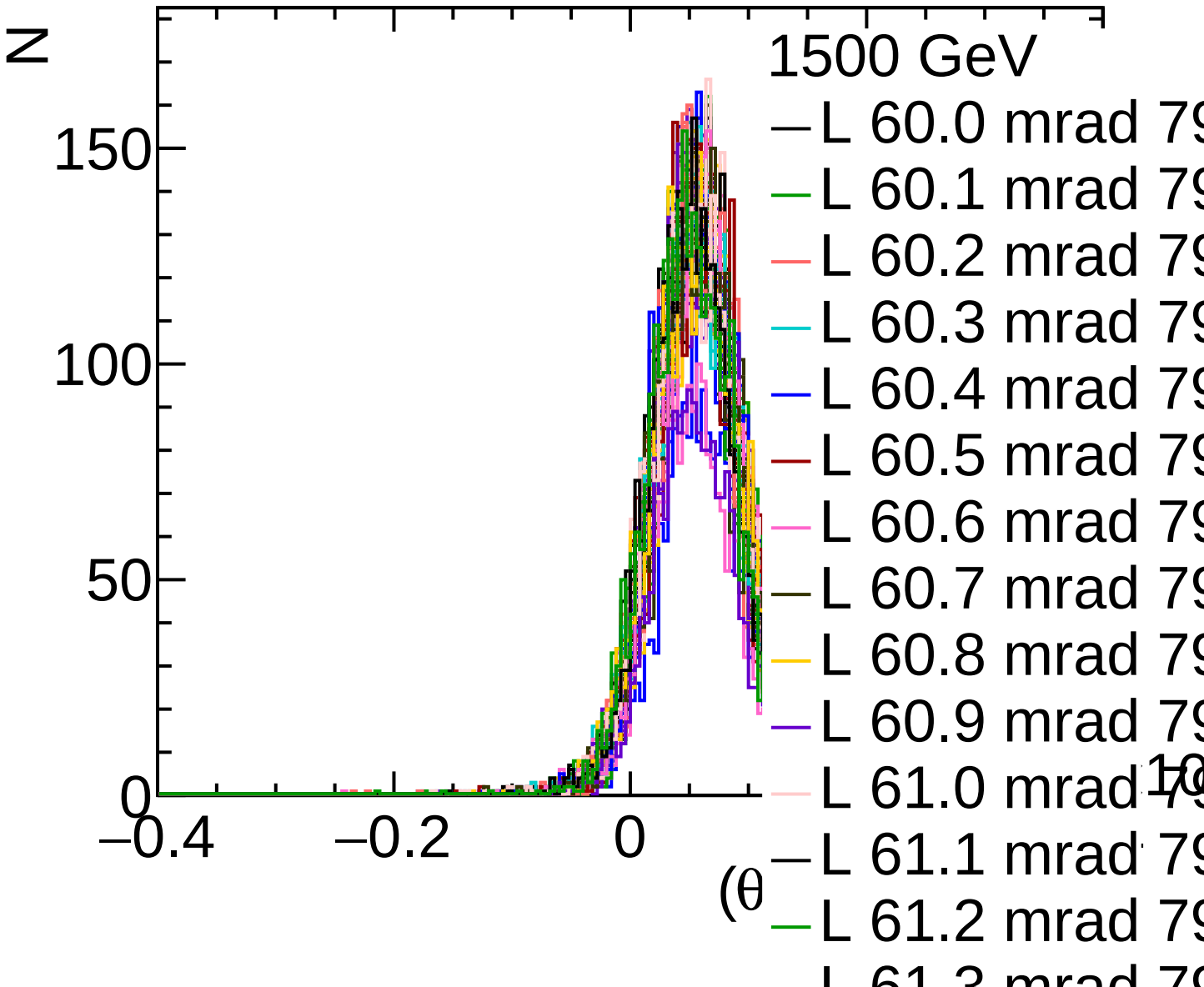
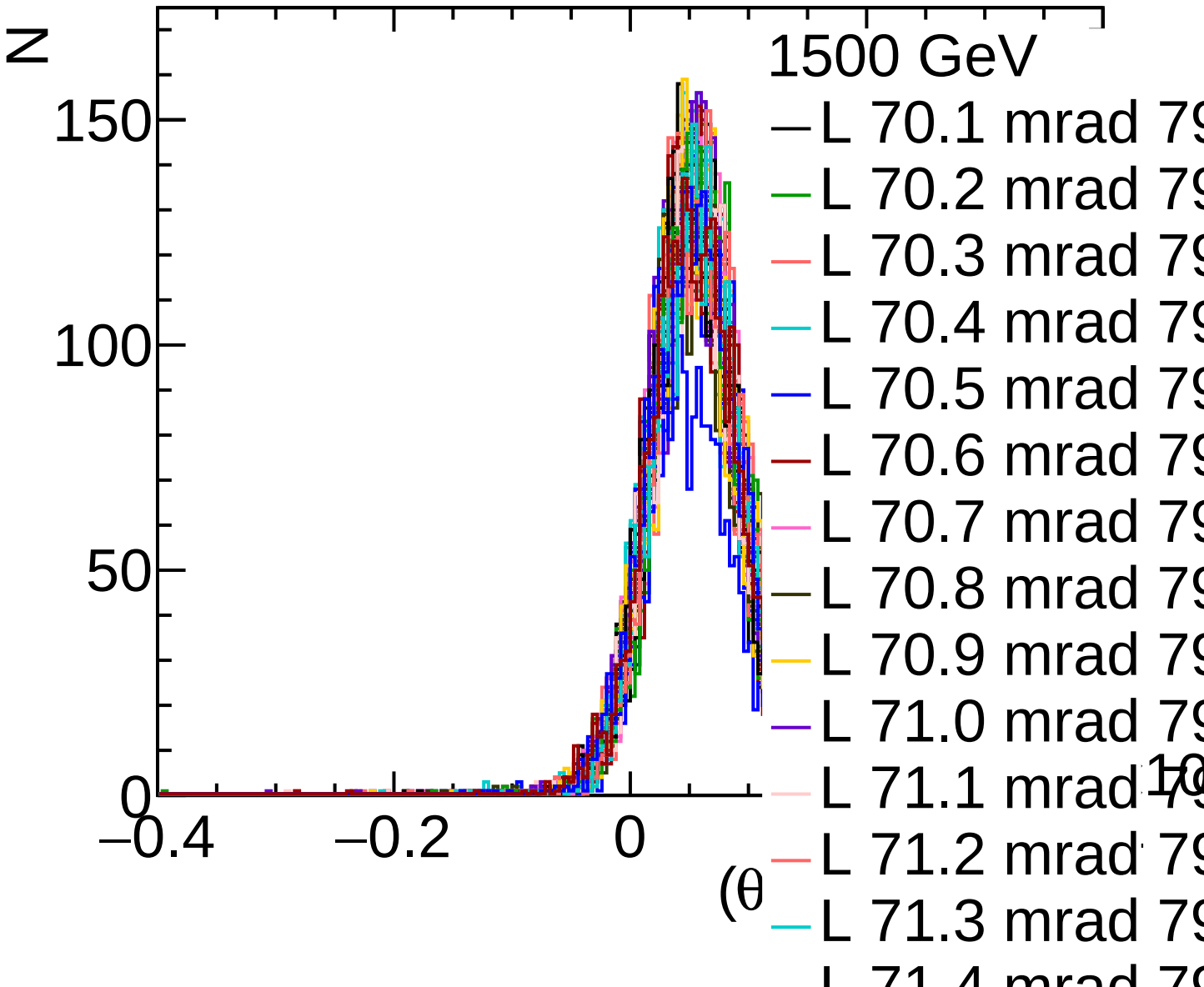
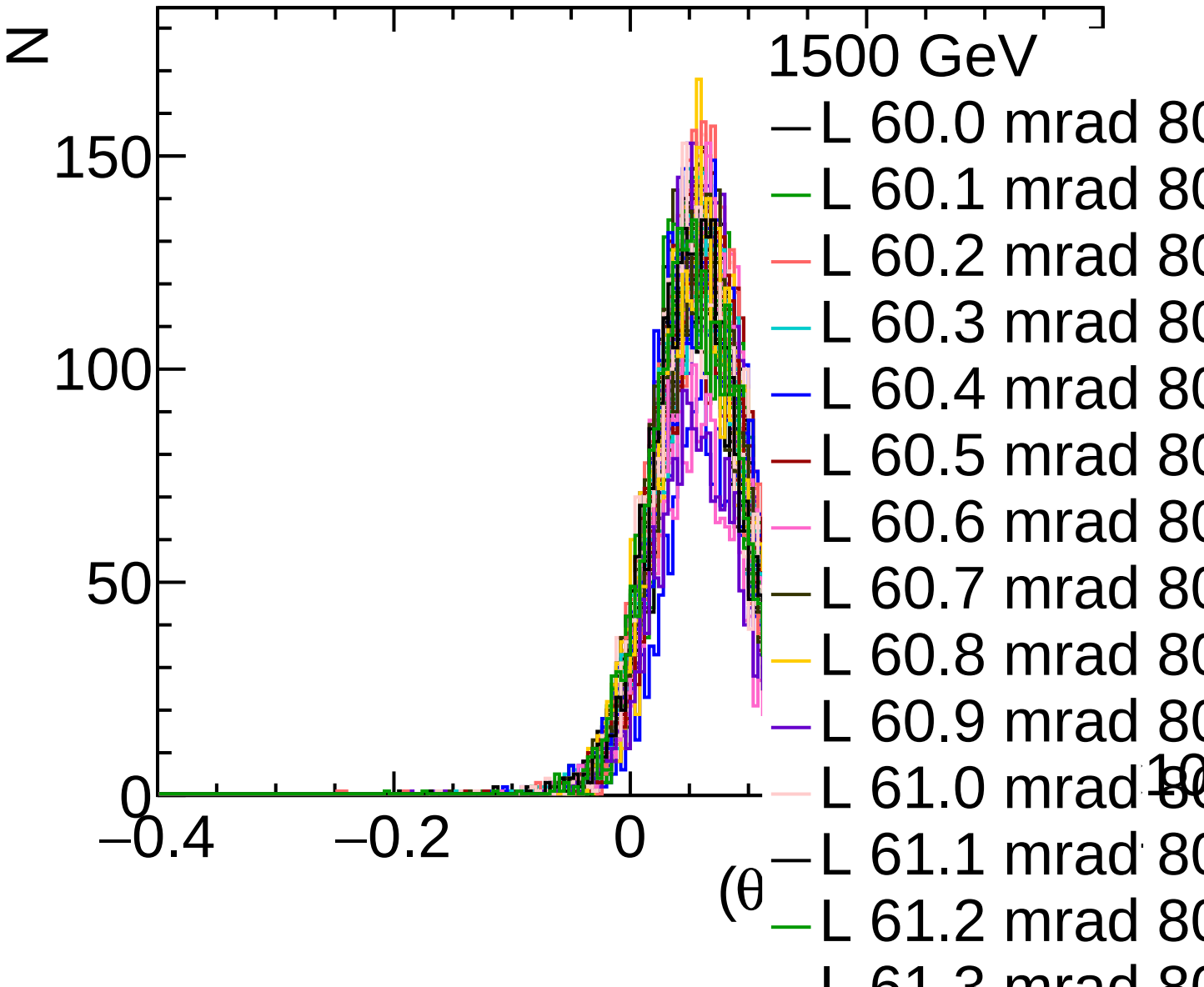
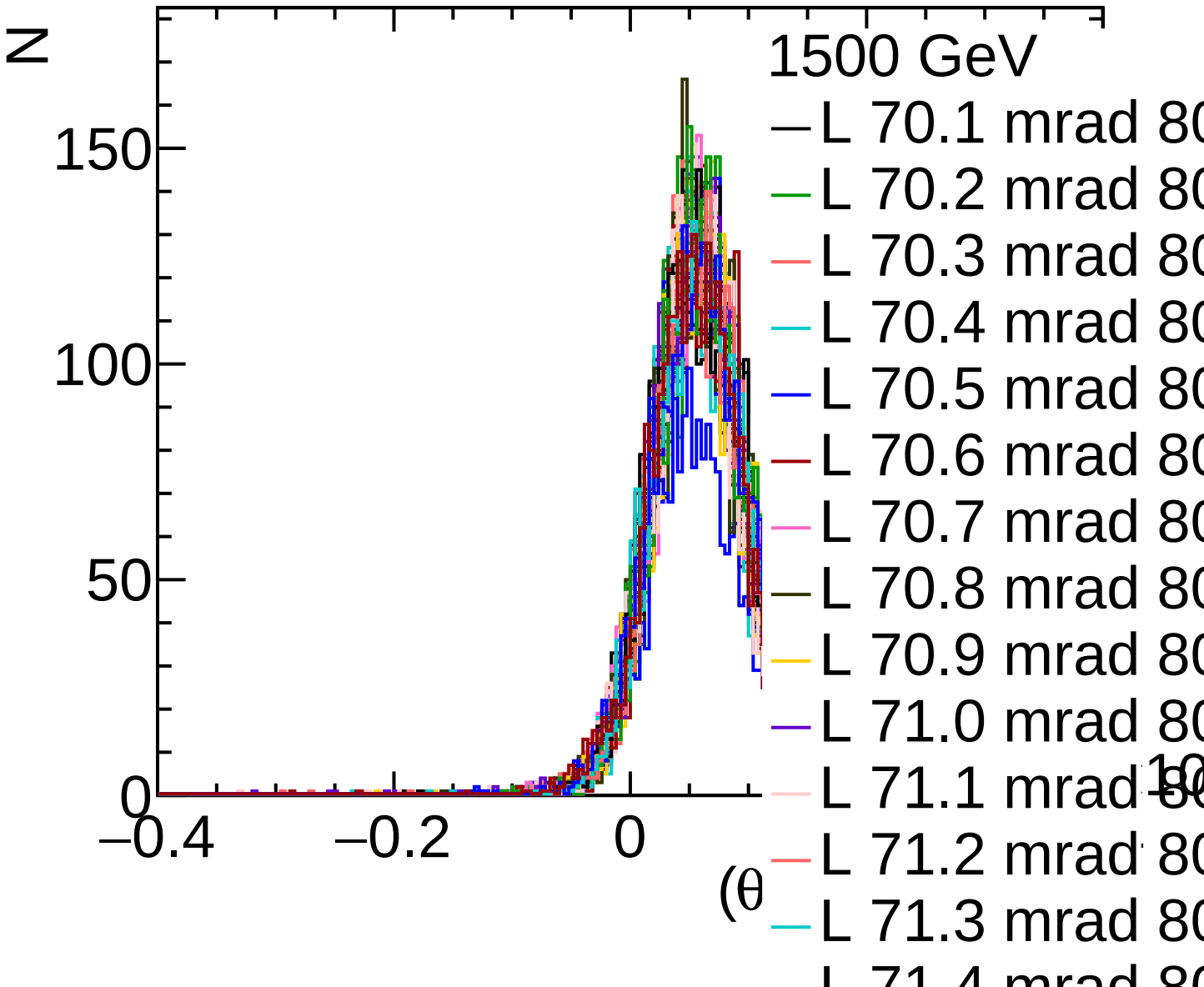
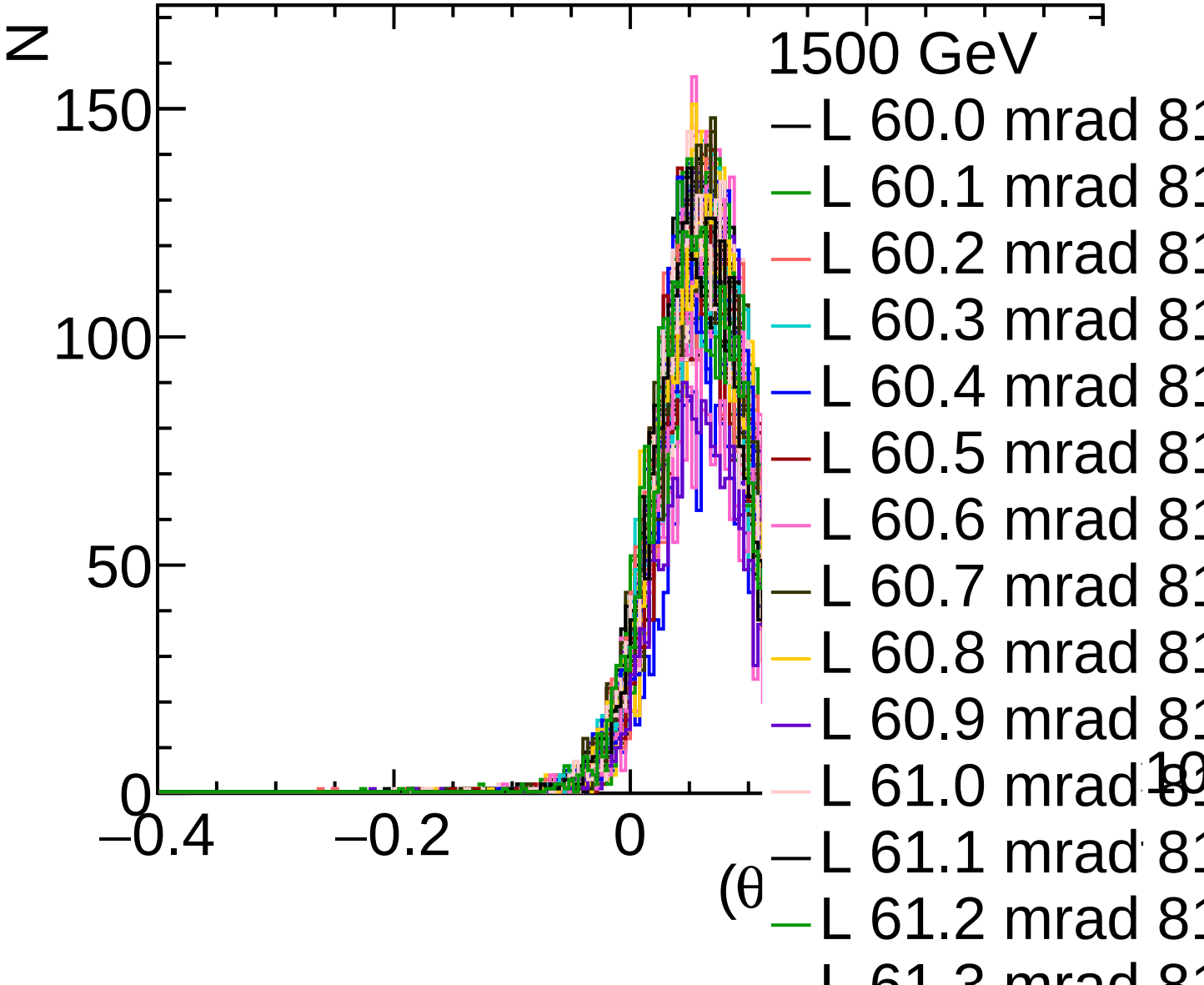
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 78
L 70.2 mrad 78
L 70.3 mrad 78
L 70.4 mrad 78
L 70.5 mrad 78
L 70.6 mrad 78
L 70.7 mrad 78
L 70.8 mrad 78
L 70.9 mrad 78
L 71.0 mrad 78
L 71.1 mrad 78
L 71.2 mrad 78
L 71.3 mrad 78

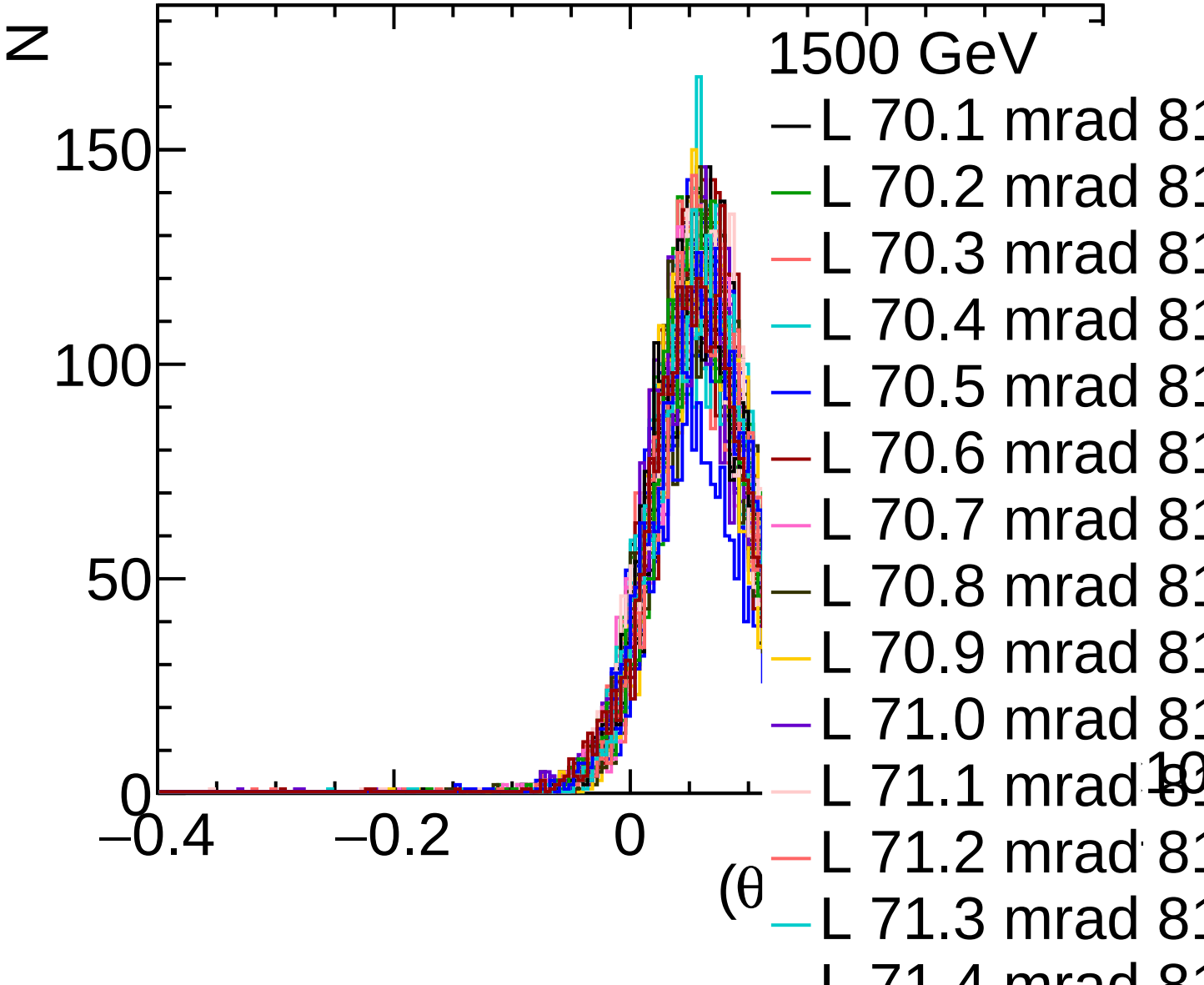

N
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 79
L 60.1 mrad 79
L 60.2 mrad 79
L 60.3 mrad 79
L 60.4 mrad 79
L 60.5 mrad 79
L 60.6 mrad 79
L 60.7 mrad 79
L 60.8 mrad 79
L 60.9 mrad 79
L 61.0 mrad 79
L 61.1 mrad 79
L 61.2 mrad 79

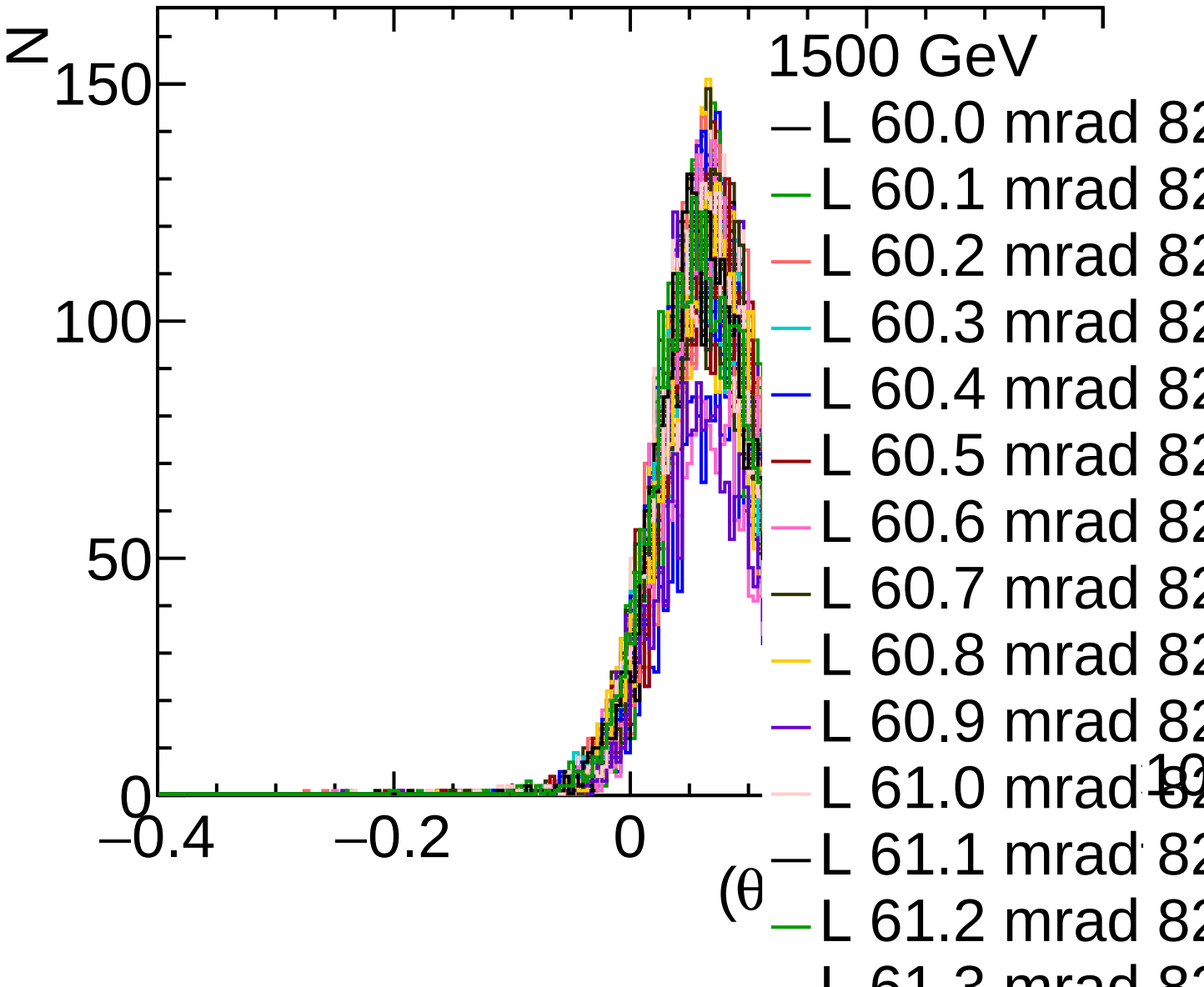

N
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 79
L 70.2 mrad 79
L 70.3 mrad 79
L 70.4 mrad 79
L 70.5 mrad 79
L 70.6 mrad 79
L 70.7 mrad 79
L 70.8 mrad 79
L 70.9 mrad 79
L 71.0 mrad 79
L 71.1 mrad 79
L 71.2 mrad 79
L 71.3 mrad 79

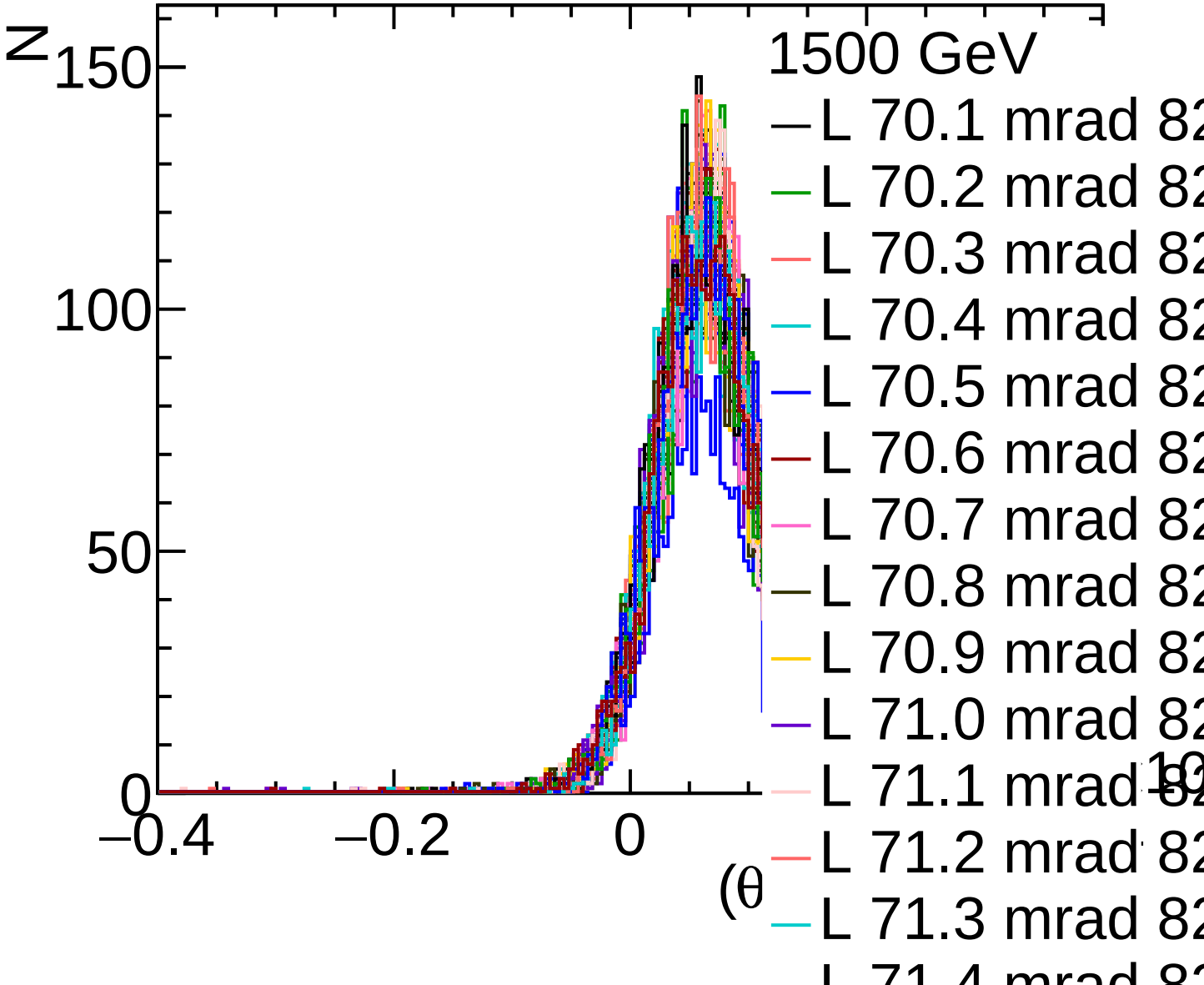

N
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 80
L 60.1 mrad 80
L 60.2 mrad 80
L 60.3 mrad 80
L 60.4 mrad 80
L 60.5 mrad 80
L 60.6 mrad 80
L 60.7 mrad 80
L 60.8 mrad 80
L 60.9 mrad 80
L 61.0 mrad 80
L 61.1 mrad 80
L 61.2 mrad 80
L 61.3 mrad 80

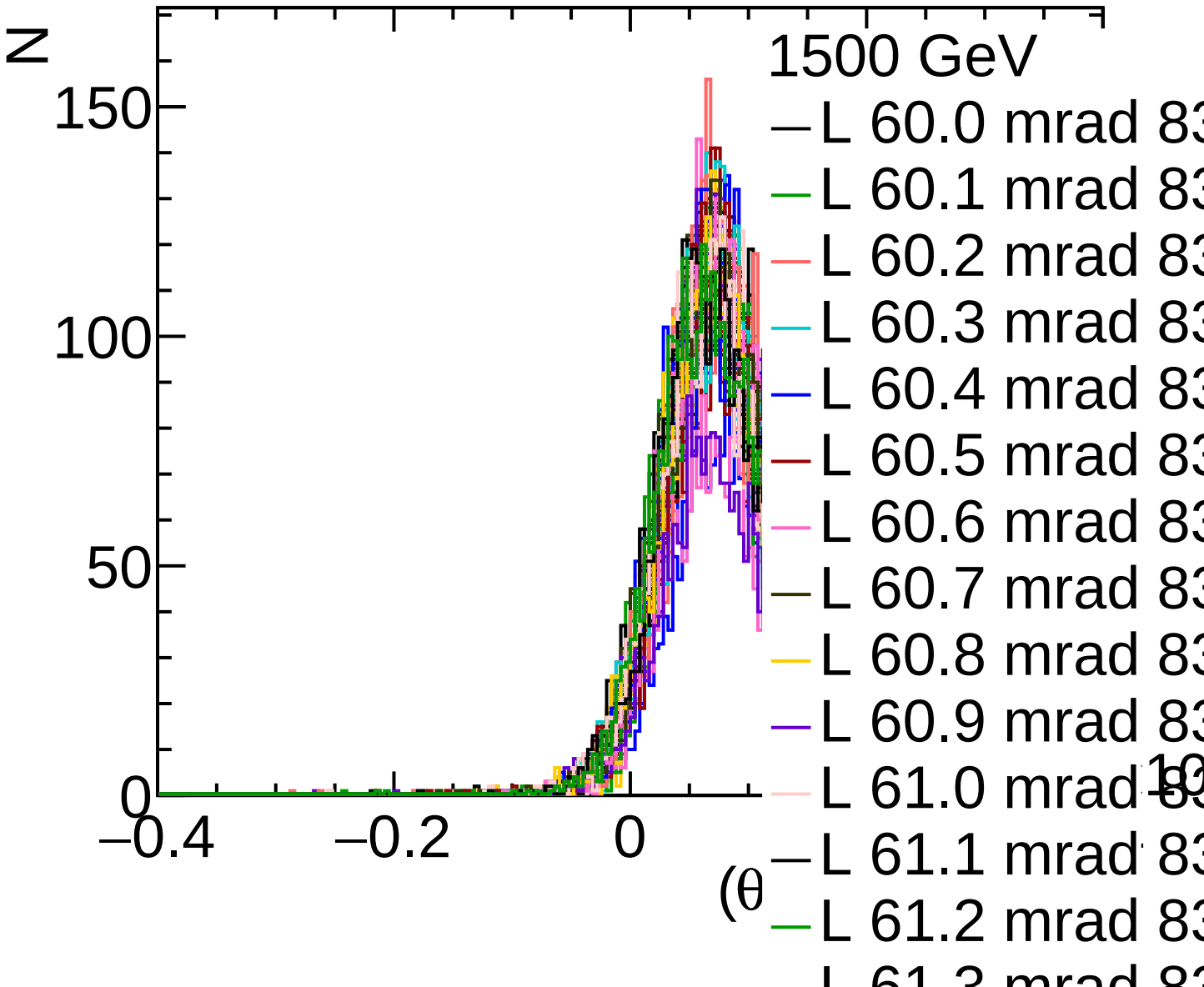

N
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 80
L 70.2 mrad 80
L 70.3 mrad 80
L 70.4 mrad 80
L 70.5 mrad 80
L 70.6 mrad 80
L 70.7 mrad 80
L 70.8 mrad 80
L 70.9 mrad 80
L 71.0 mrad 80
L 71.1 mrad 80
L 71.2 mrad 80
L 71.3 mrad 80

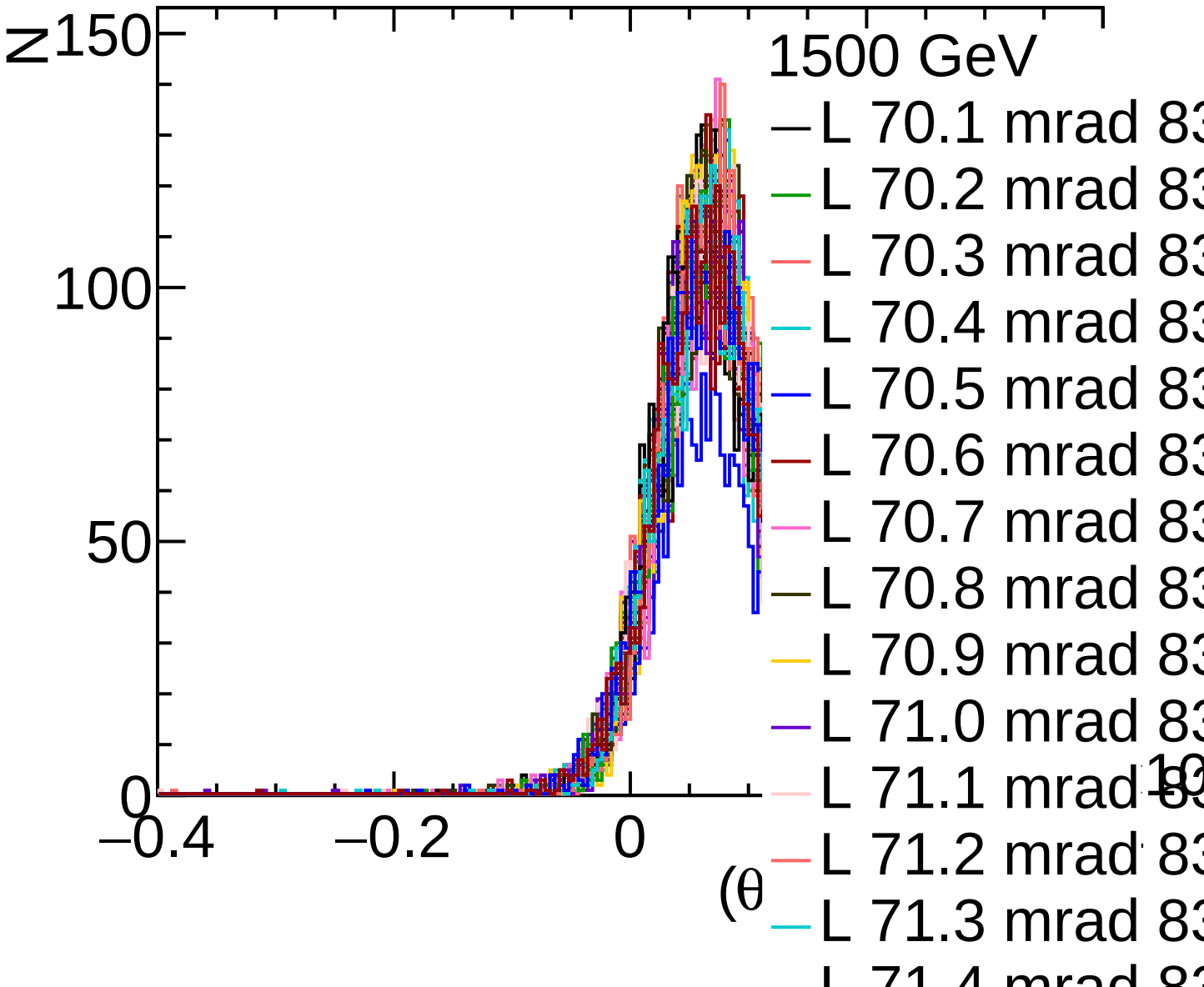

N
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 81
L 60.1 mrad 81
L 60.2 mrad 81
L 60.3 mrad 81
L 60.4 mrad 81
L 60.5 mrad 81
L 60.6 mrad 81
L 60.7 mrad 81
L 60.8 mrad 81
L 60.9 mrad 81
L 61.0 mrad 81
L 61.1 mrad 81
L 61.2 mrad 81

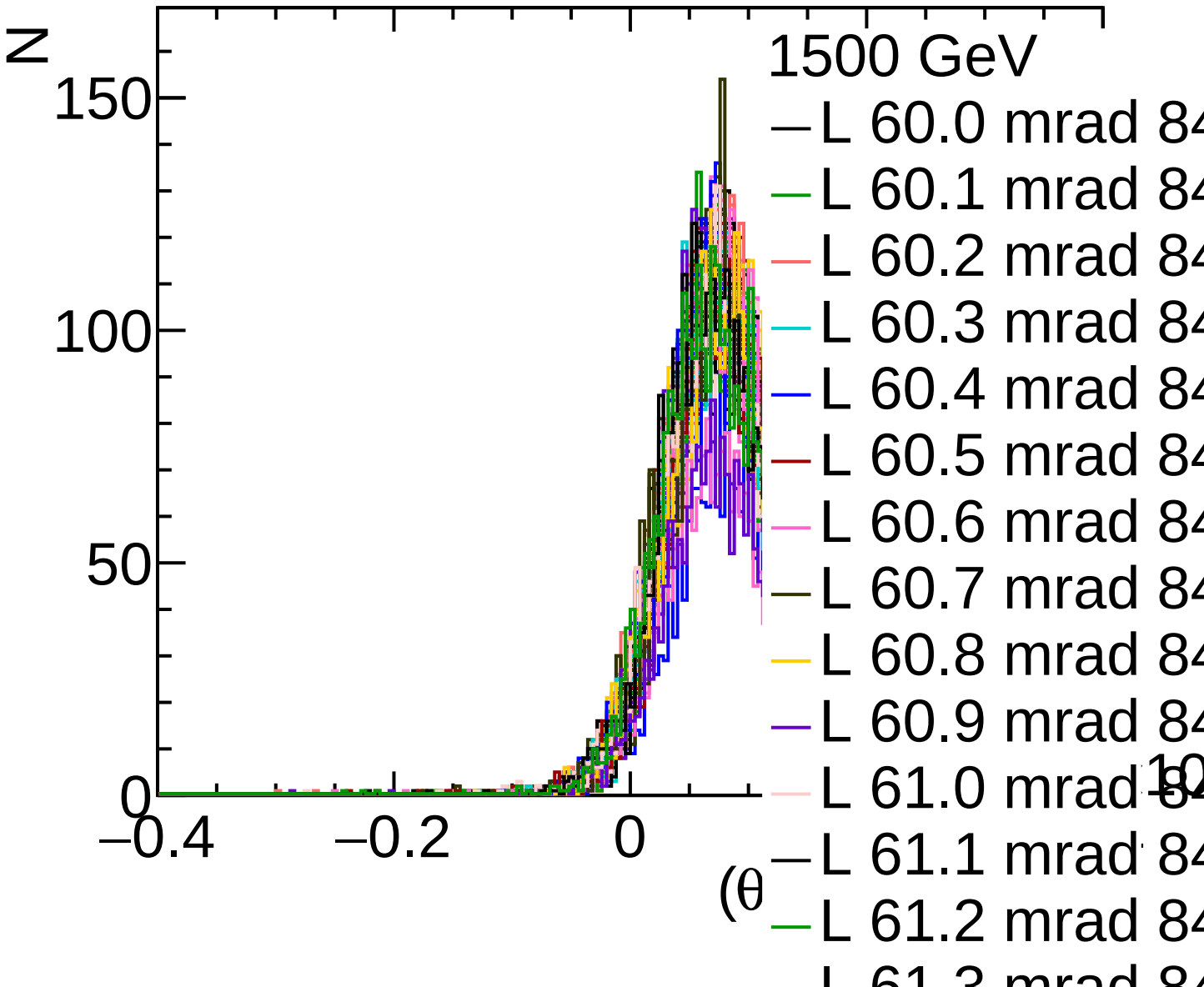

N
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 81
L 70.2 mrad 81
L 70.3 mrad 81
L 70.4 mrad 81
L 70.5 mrad 81
L 70.6 mrad 81
L 70.7 mrad 81
L 70.8 mrad 81
L 70.9 mrad 81
L 71.0 mrad 81
L 71.1 mrad 81
L 71.2 mrad 81
L 71.3 mrad 81

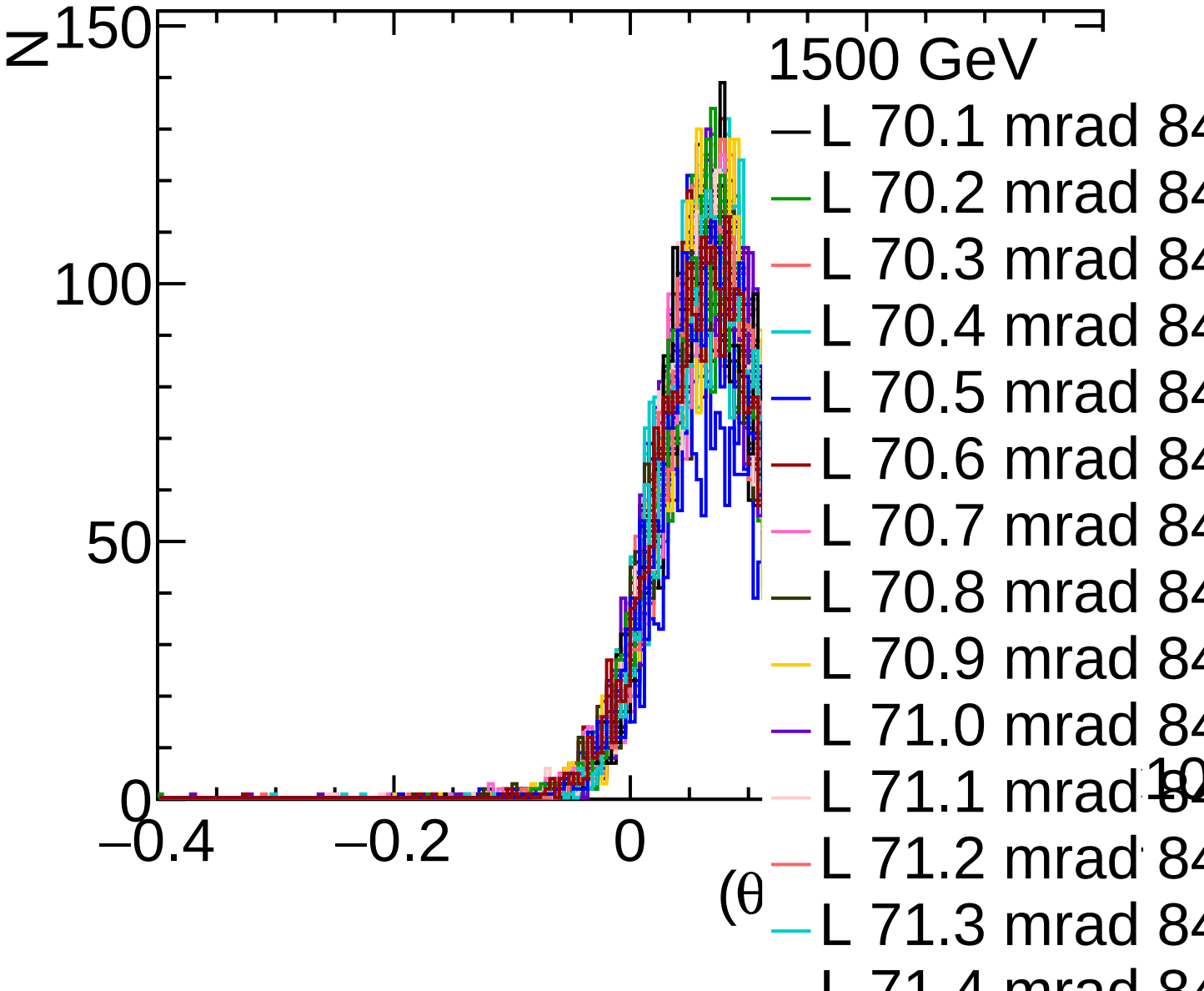

N
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 82
L 60.1 mrad 82
L 60.2 mrad 82
L 60.3 mrad 82
L 60.4 mrad 82
L 60.5 mrad 82
L 60.6 mrad 82
L 60.7 mrad 82
L 60.8 mrad 82
L 60.9 mrad 82
L 61.0 mrad 82
L 61.1 mrad 82
L 61.2 mrad 82

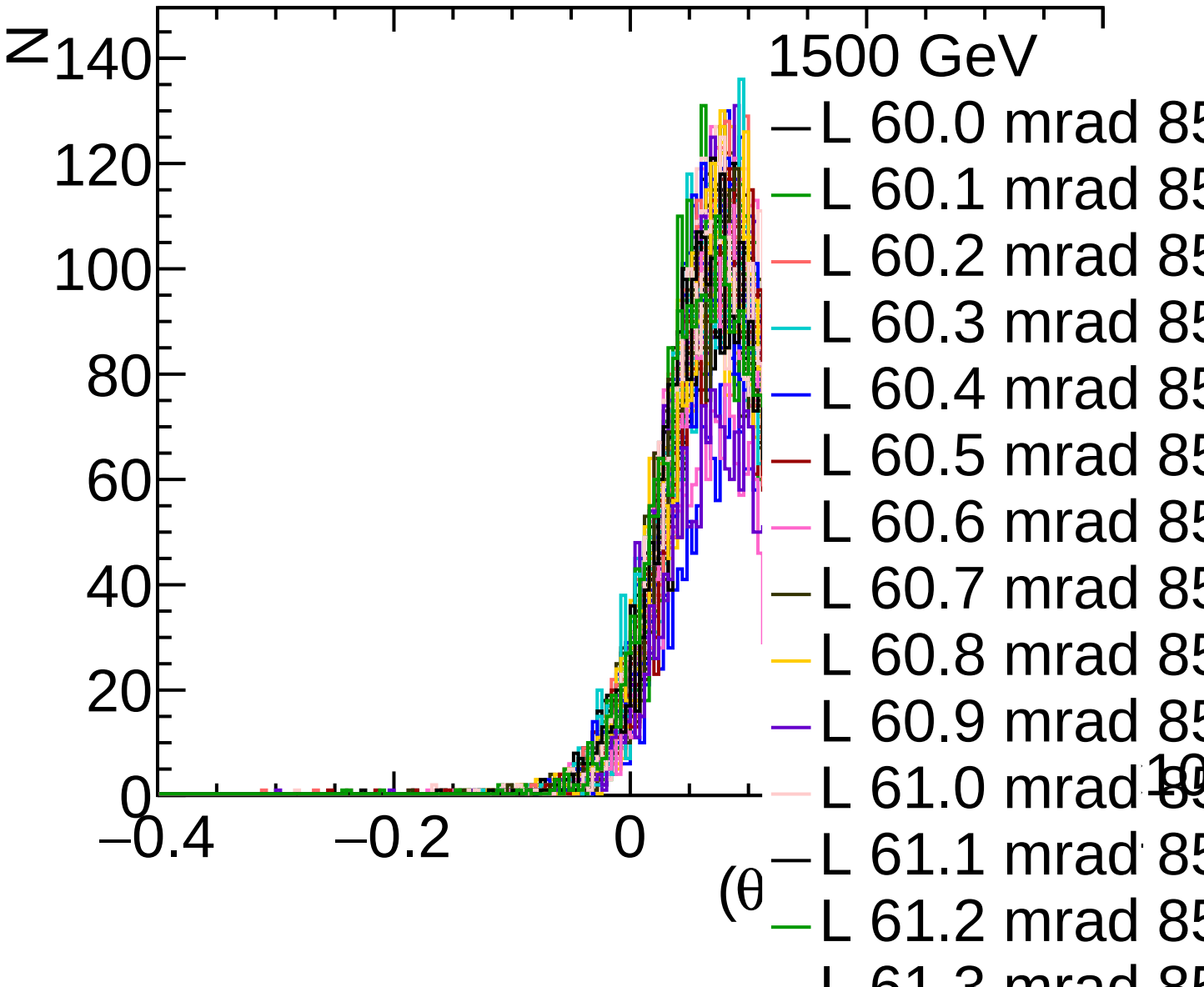

N
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 82
L 70.2 mrad 82
L 70.3 mrad 82
L 70.4 mrad 82
L 70.5 mrad 82
L 70.6 mrad 82
L 70.7 mrad 82
L 70.8 mrad 82
L 70.9 mrad 82
L 71.0 mrad 82
L 71.1 mrad 82
L 71.2 mrad 82
L 71.3 mrad 82

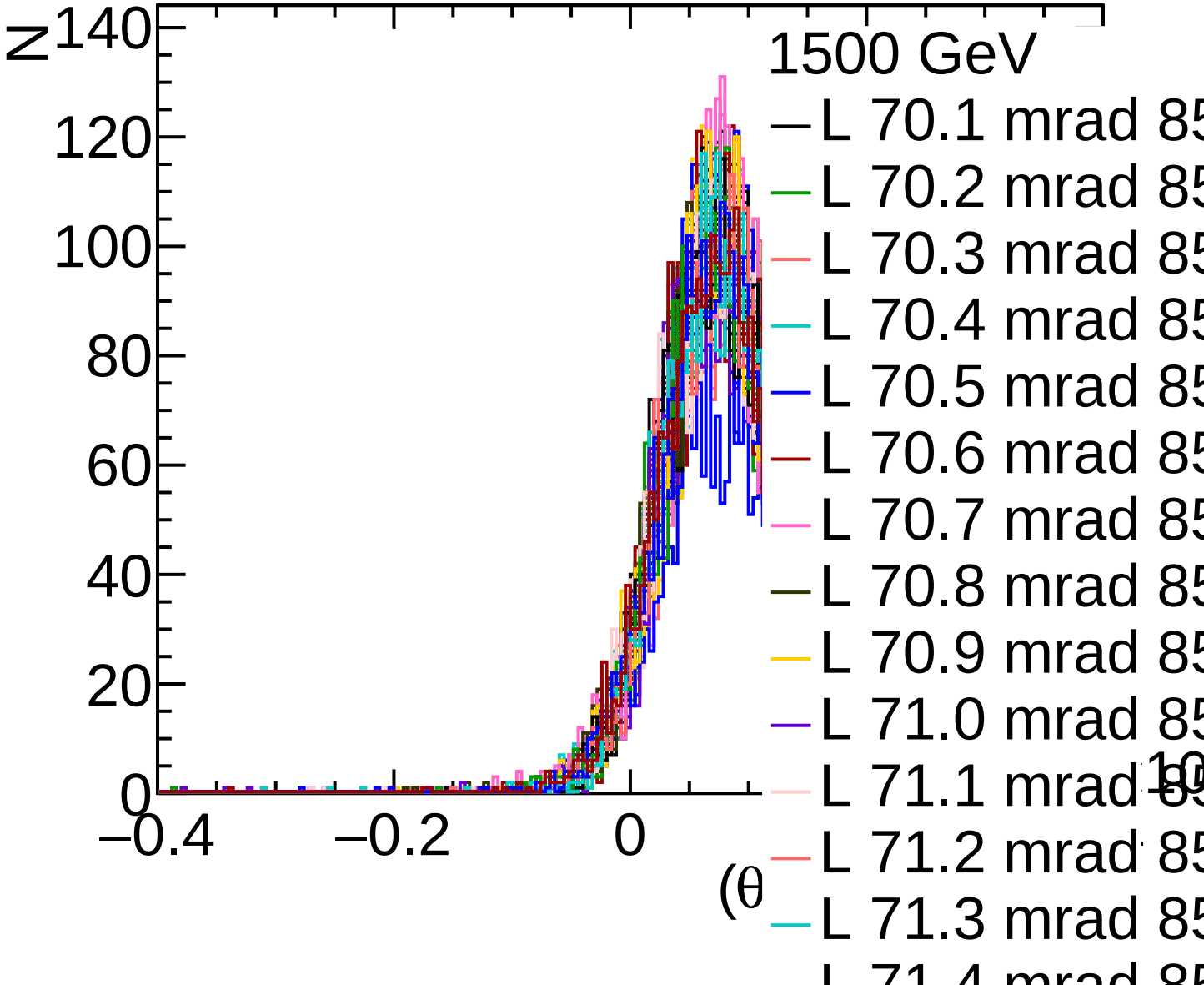

N
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 83
L 60.1 mrad 83
L 60.2 mrad 83
L 60.3 mrad 83
L 60.4 mrad 83
L 60.5 mrad 83
L 60.6 mrad 83
L 60.7 mrad 83
L 60.8 mrad 83
L 60.9 mrad 83
L 61.0 mrad
L 61.1 mrad 83
L 61.2 mrad 83

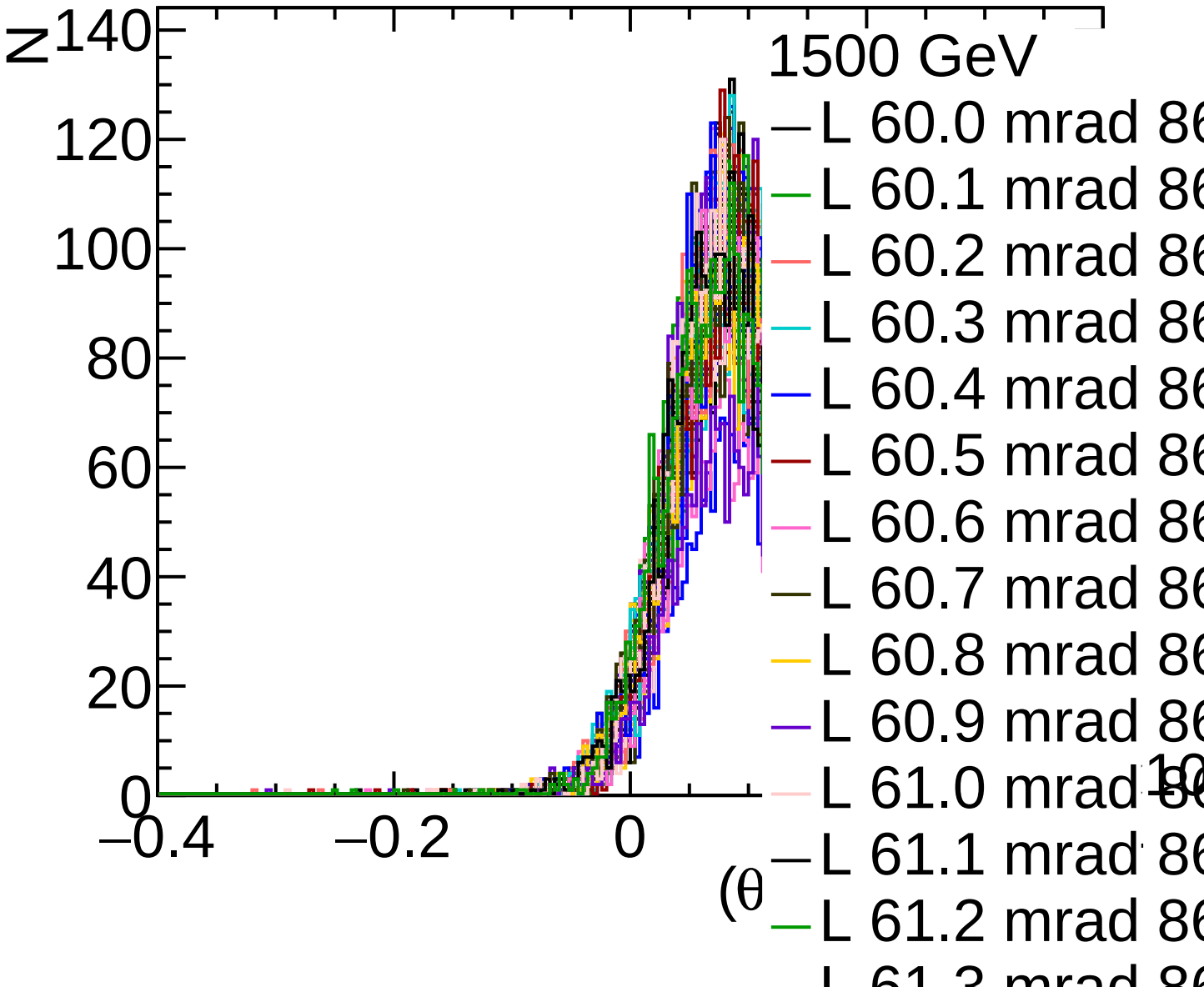

1500 GeV
L 70.1 mrad 83
L 70.2 mrad 83
L 70.3 mrad 83
L 70.4 mrad 83
L 70.5 mrad 83
L 70.6 mrad 83
L 70.7 mrad 83
L 70.8 mrad 83
L 70.9 mrad 83
L 71.0 mrad 83
L 71.1 mrad 83
L 71.2 mrad 83
L 71.3 mrad 83
150
100
50
0
–0.4
–0.2
0
(θ

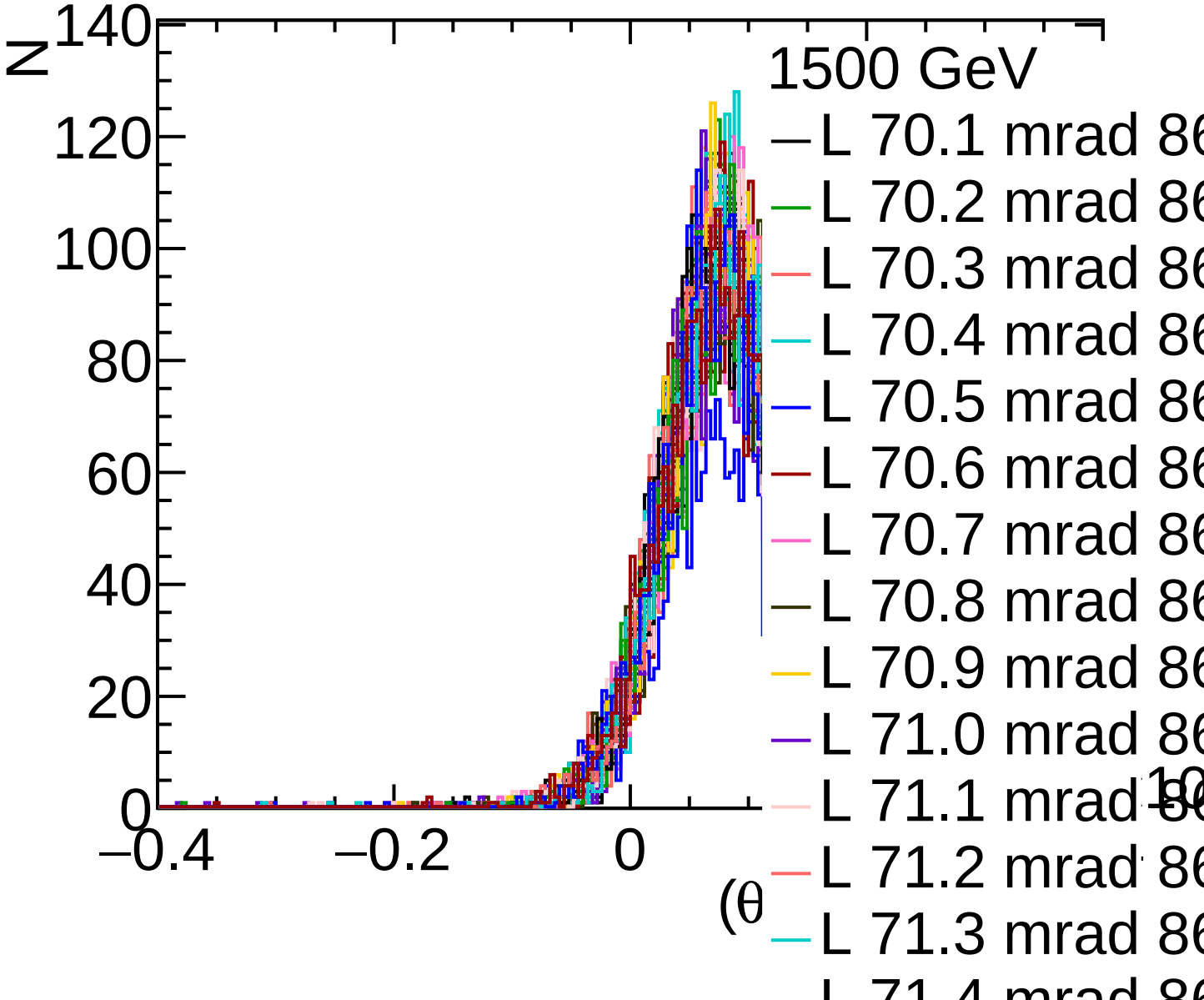

N
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 84
L 60.1 mrad 84
L 60.2 mrad 84
L 60.3 mrad 84
L 60.4 mrad 84
L 60.5 mrad 84
L 60.6 mrad 84
L 60.7 mrad 84
L 60.8 mrad 84
L 60.9 mrad 84
L 61.0 mrad 84
L 61.1 mrad 84
L 61.2 mrad 84
L 61.3 mrad 84

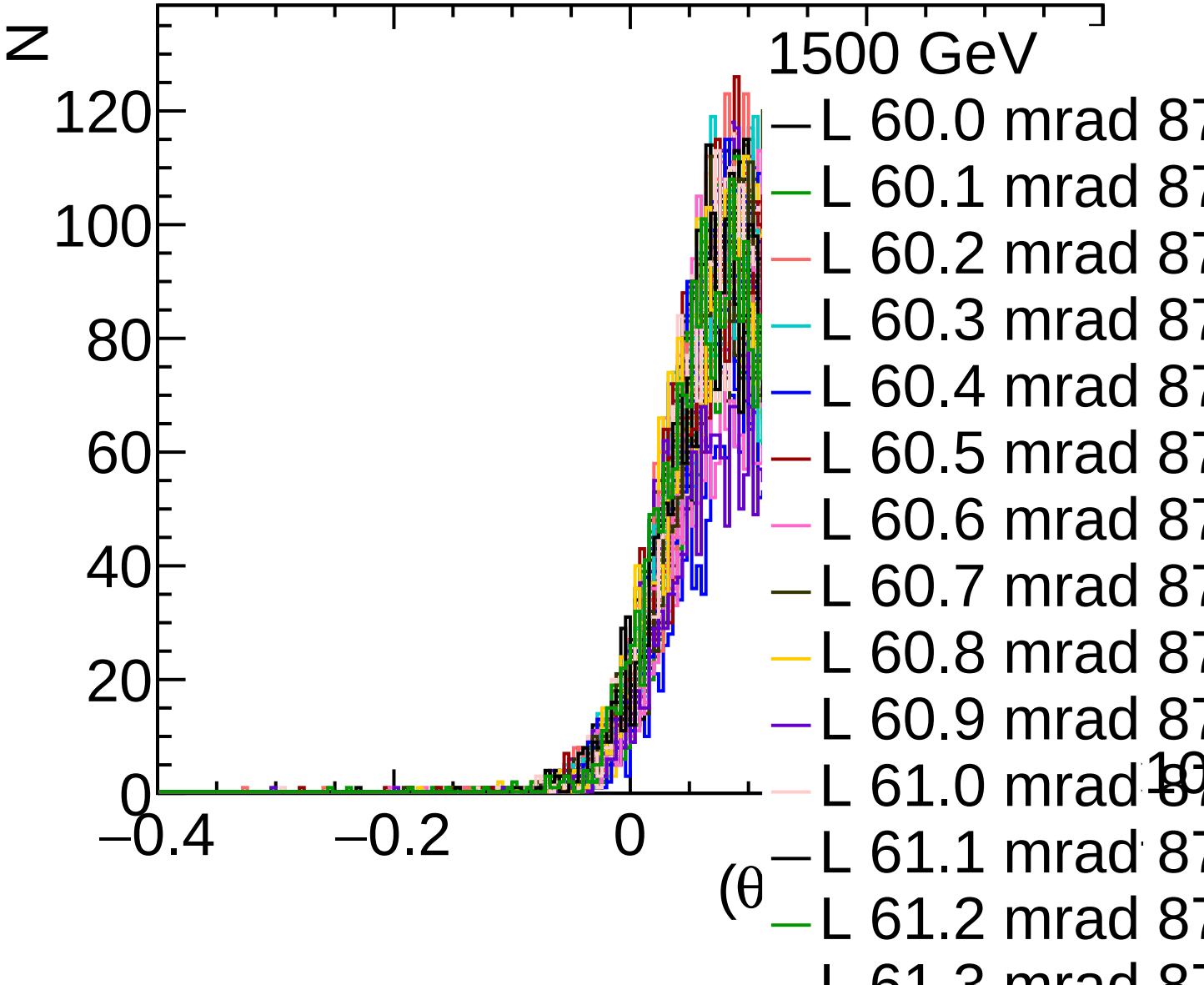

N
150
100
50
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 84
L 70.2 mrad 84
L 70.3 mrad 84
L 70.4 mrad 84
L 70.5 mrad 84
L 70.6 mrad 84
L 70.7 mrad 84
L 70.8 mrad 84
L 70.9 mrad 84
L 71.0 mrad 84
L 71.1 mrad 84
L 71.2 mrad 84
L 71.3 mrad 84
L 71.4 mrad 84

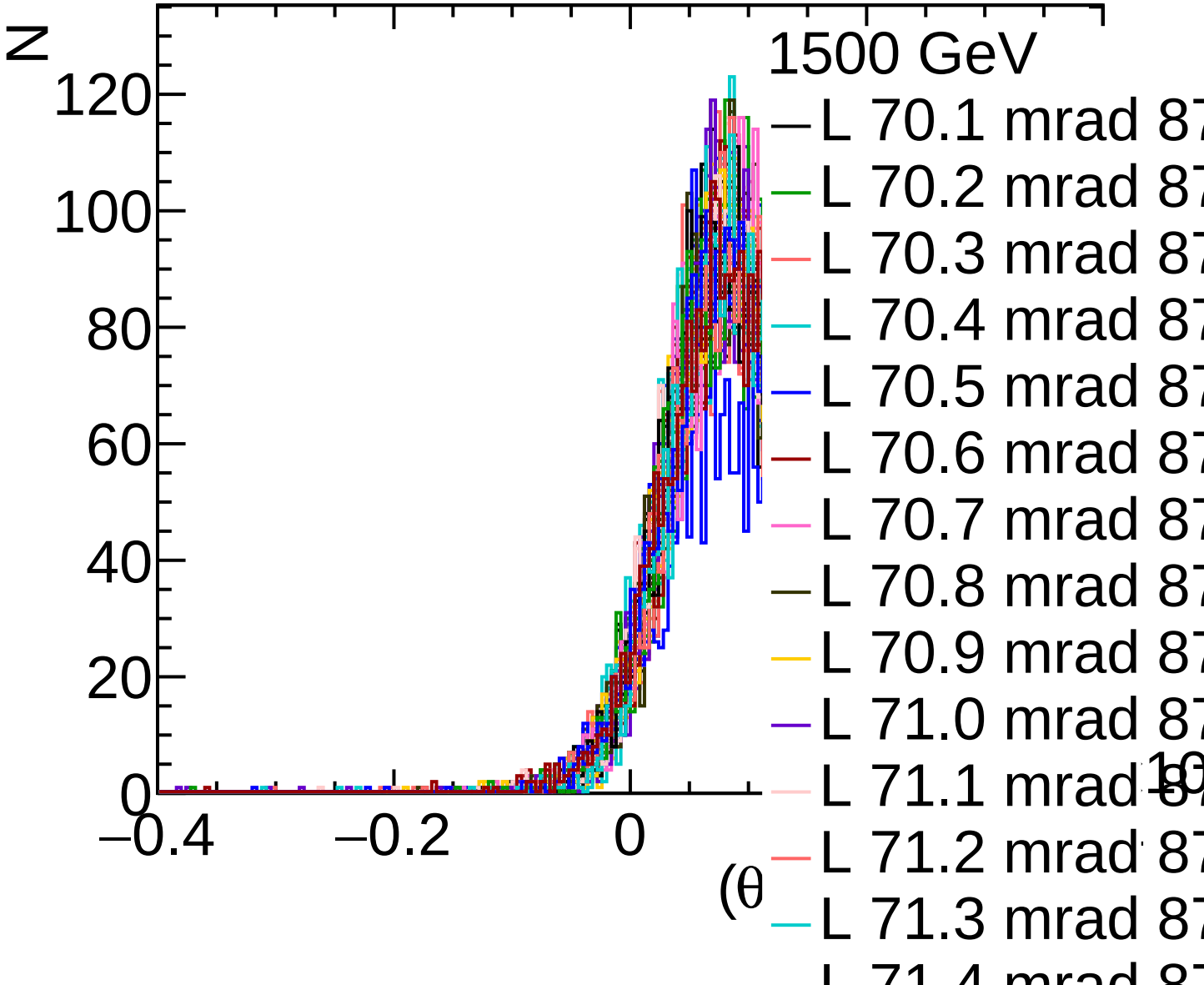

N
140
120
100
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 85
L 60.1 mrad 85
L 60.2 mrad 85
L 60.3 mrad 85
L 60.4 mrad 85
L 60.5 mrad 85
L 60.6 mrad 85
L 60.7 mrad 85
L 60.8 mrad 85
L 60.9 mrad 85
L 61.0 mrad 85
L 61.1 mrad 85
L 61.2 mrad 85
L 61.3 mrad 85

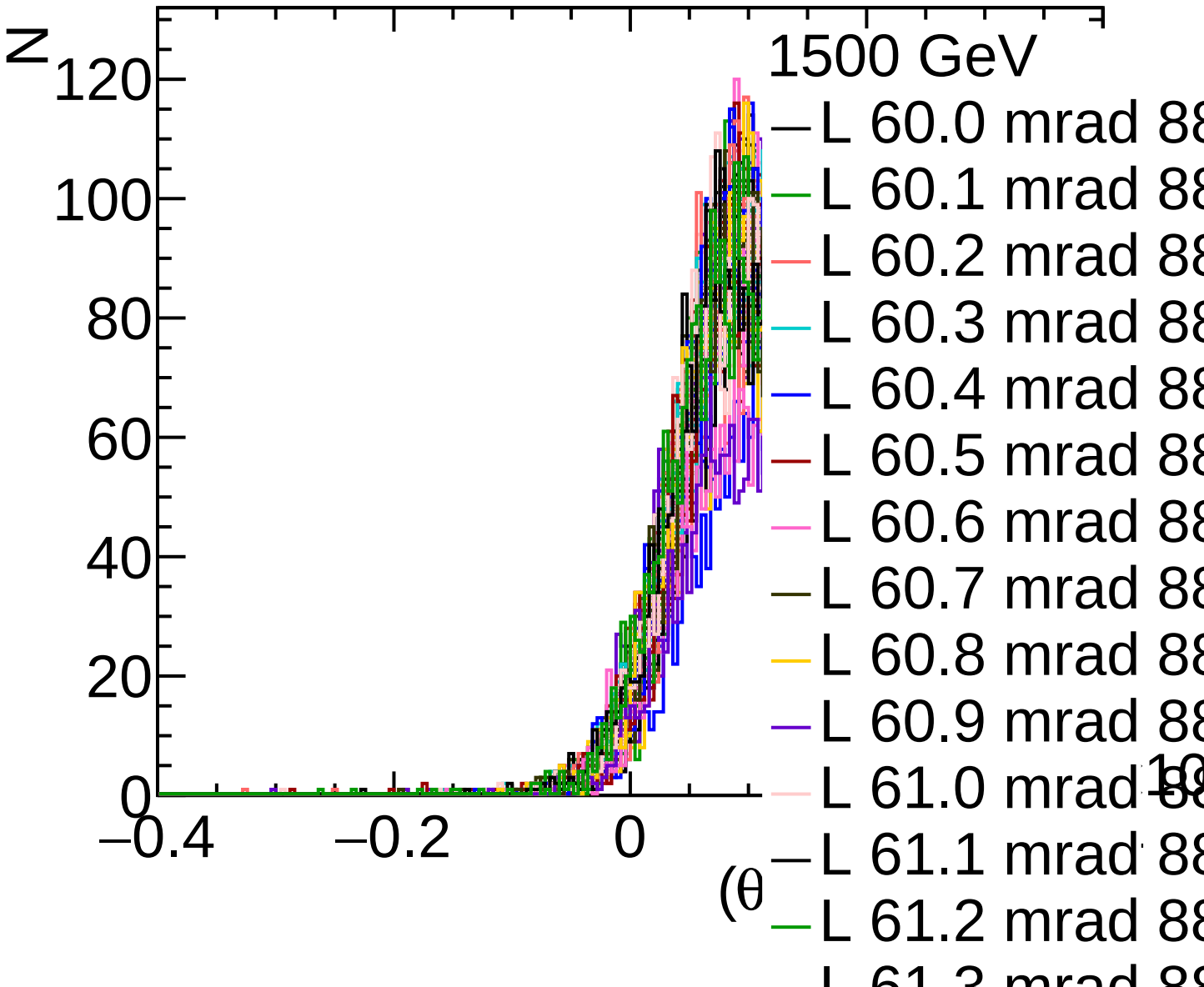

N
140
120
100
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 85
L 70.2 mrad 85
L 70.3 mrad 85
L 70.4 mrad 85
L 70.5 mrad 85
L 70.6 mrad 85
L 70.7 mrad 85
L 70.8 mrad 85
L 70.9 mrad 85
L 71.0 mrad 85
L 71.1 mrad 85
L 71.2 mrad 85
L 71.3 mrad 85

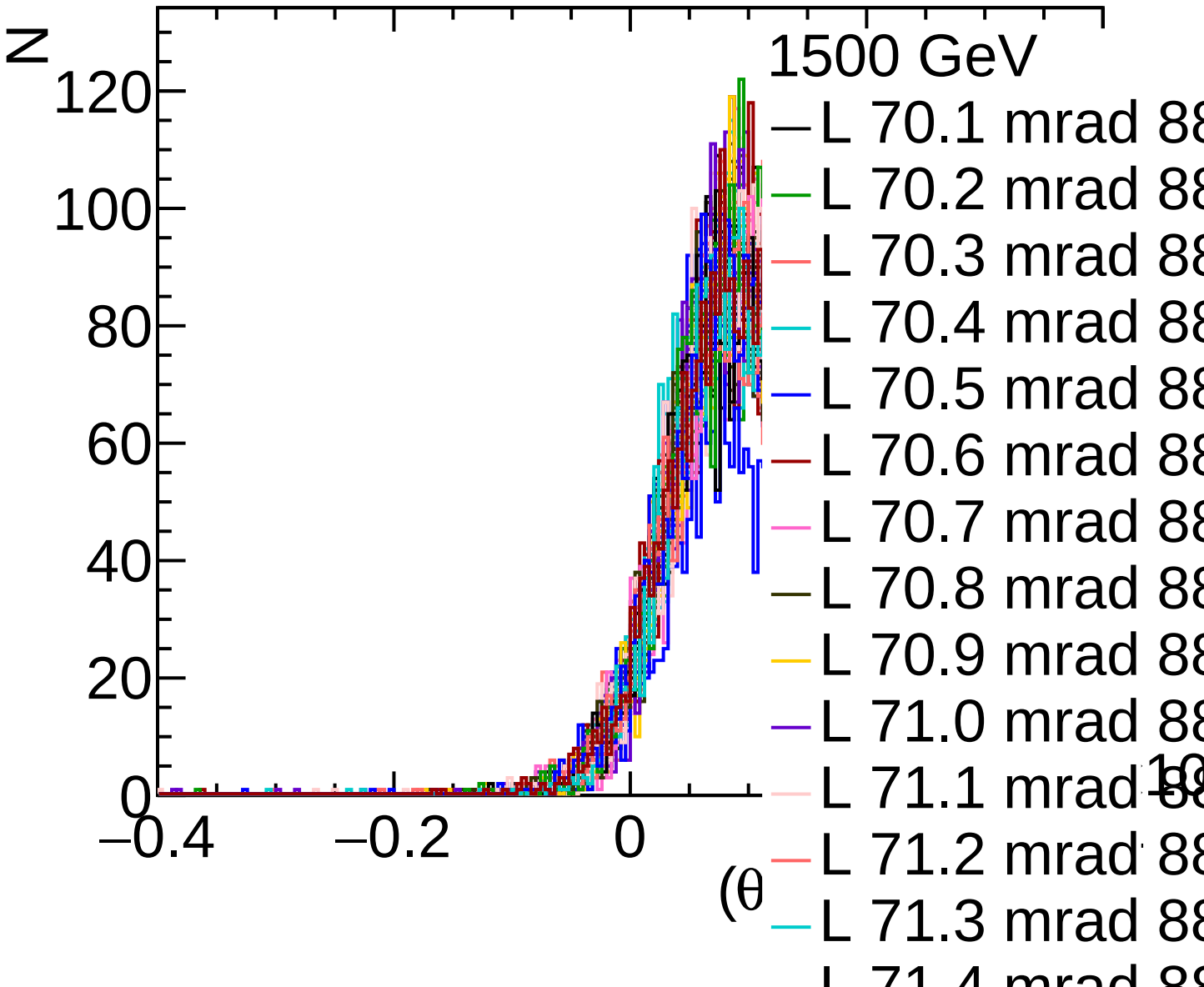

N
140
120
100
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 86
L 60.1 mrad 86
L 60.2 mrad 86
L 60.3 mrad 86
L 60.4 mrad 86
L 60.5 mrad 86
L 60.6 mrad 86
L 60.7 mrad 86
L 60.8 mrad 86
L 60.9 mrad 86
L 61.0 mrad 86
L 61.1 mrad 86
L 61.2 mrad 86

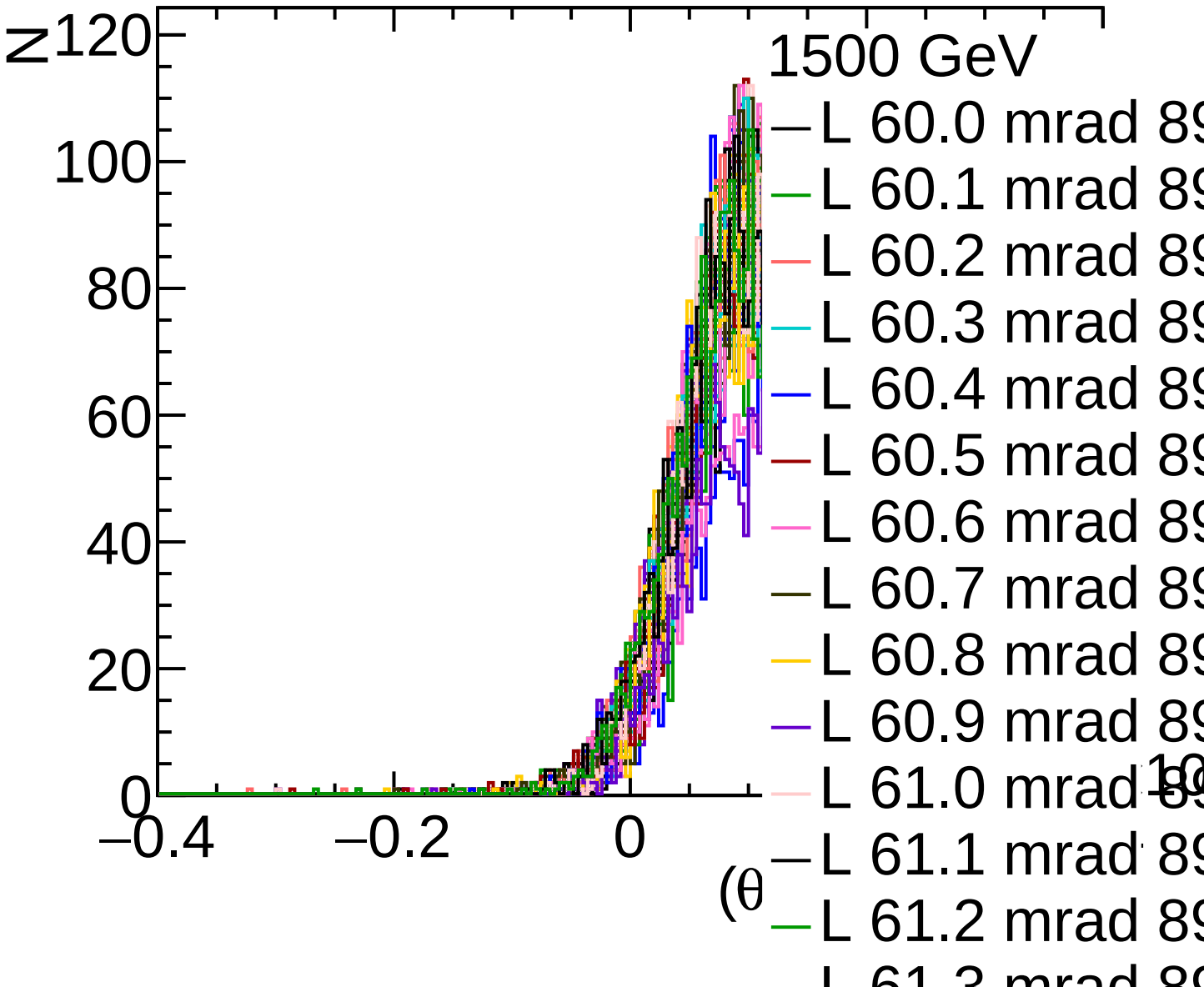

N
140
120
100
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 86
L 70.2 mrad 86
L 70.3 mrad 86
L 70.4 mrad 86
L 70.5 mrad 86
L 70.6 mrad 86
L 70.7 mrad 86
L 70.8 mrad 86
L 70.9 mrad 86
L 71.0 mrad 86
L 71.1 mrad 86
L 71.2 mrad 86
L 71.3 mrad 86

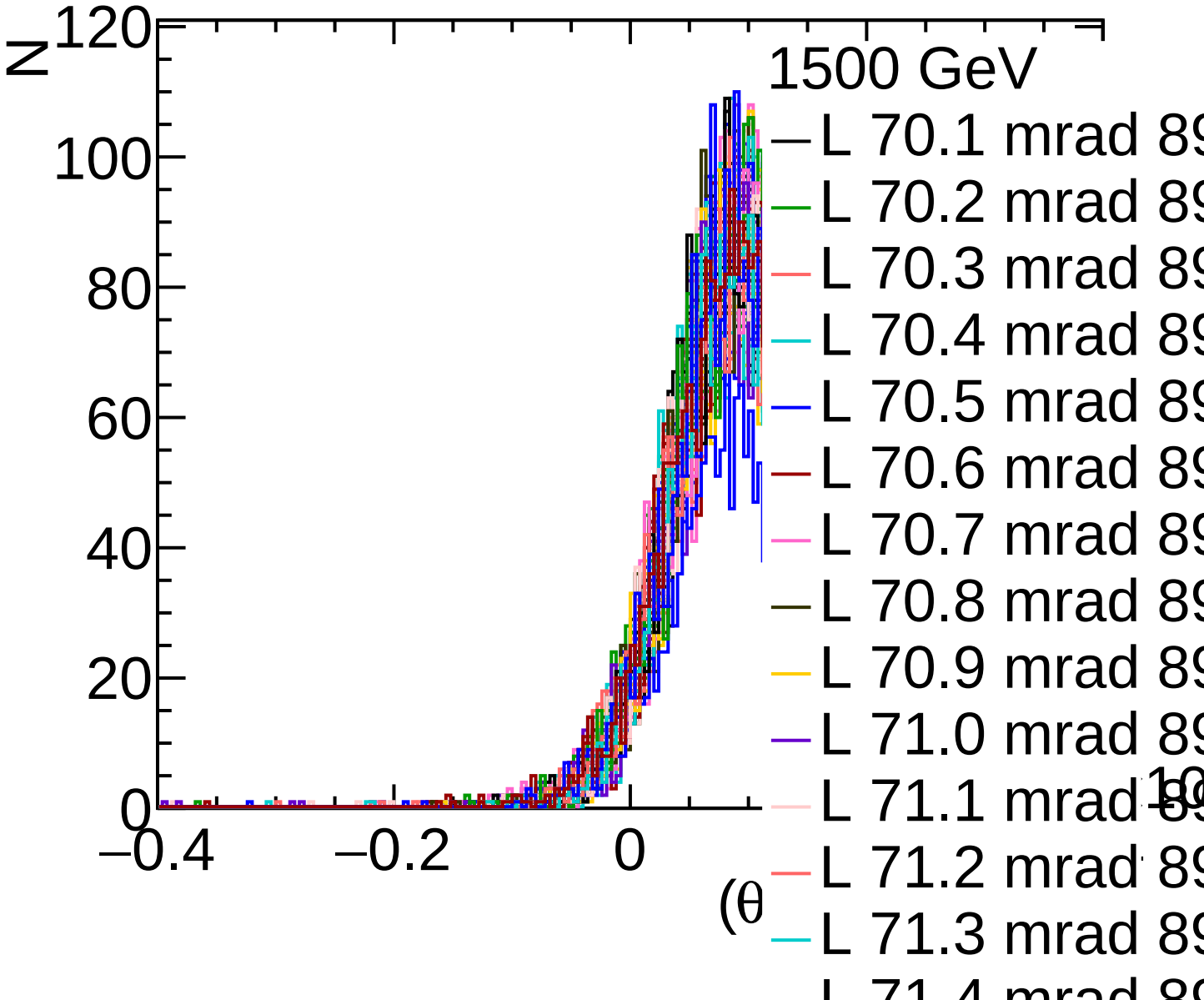

N
120
100
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 87
L 60.1 mrad 87
L 60.2 mrad 87
L 60.3 mrad 87
L 60.4 mrad 87
L 60.5 mrad 87
L 60.6 mrad 87
L 60.7 mrad 87
L 60.8 mrad 87
L 60.9 mrad 87
L 61.0 mrad 87
L 61.1 mrad 87
L 61.2 mrad 87

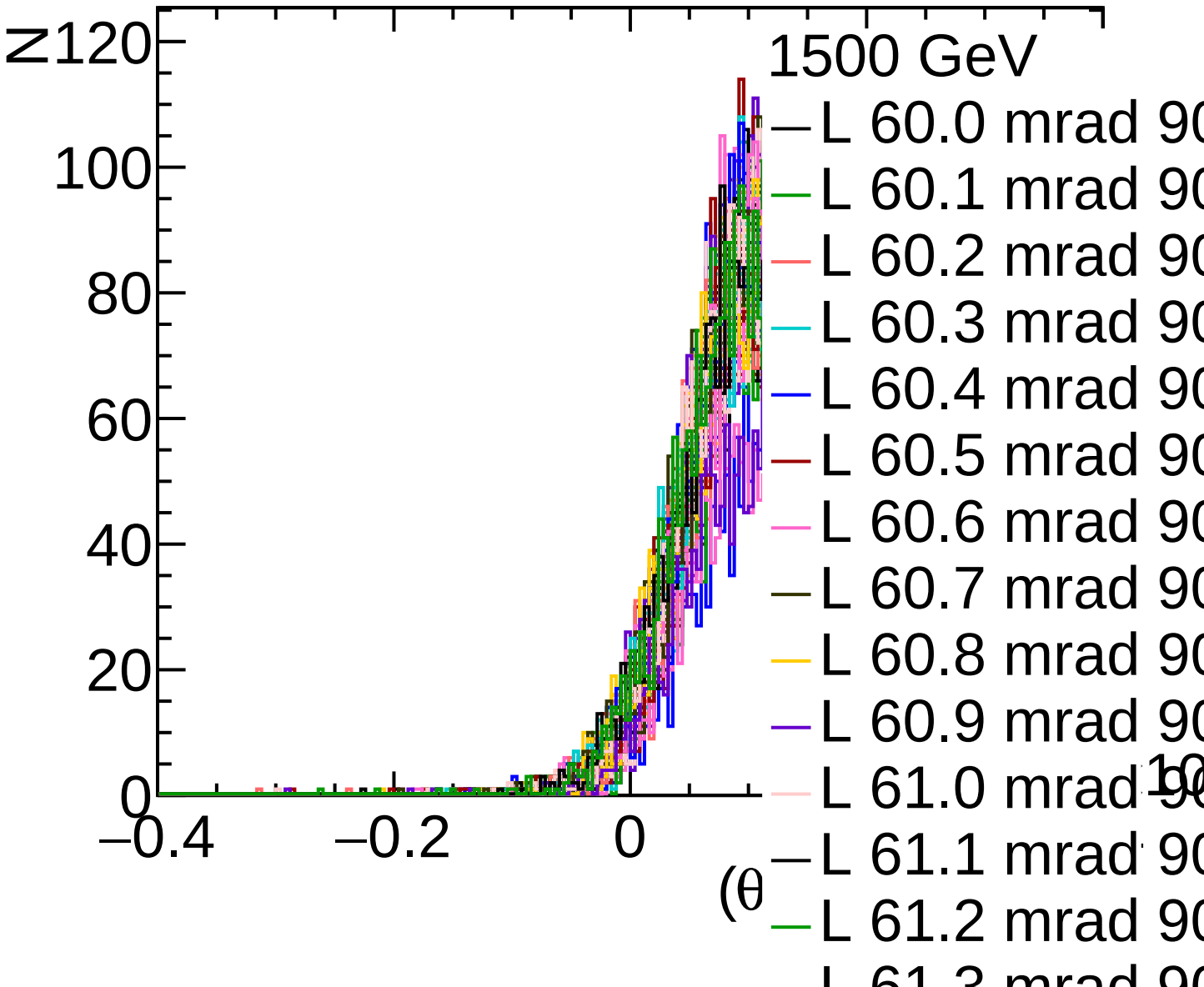

N
120
100
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 87
L 70.2 mrad 87
L 70.3 mrad 87
L 70.4 mrad 87
L 70.5 mrad 87
L 70.6 mrad 87
L 70.7 mrad 87
L 70.8 mrad 87
L 70.9 mrad 87
L 71.0 mrad 87
L 71.1 mrad 87
L 71.2 mrad 87
L 71.3 mrad 87

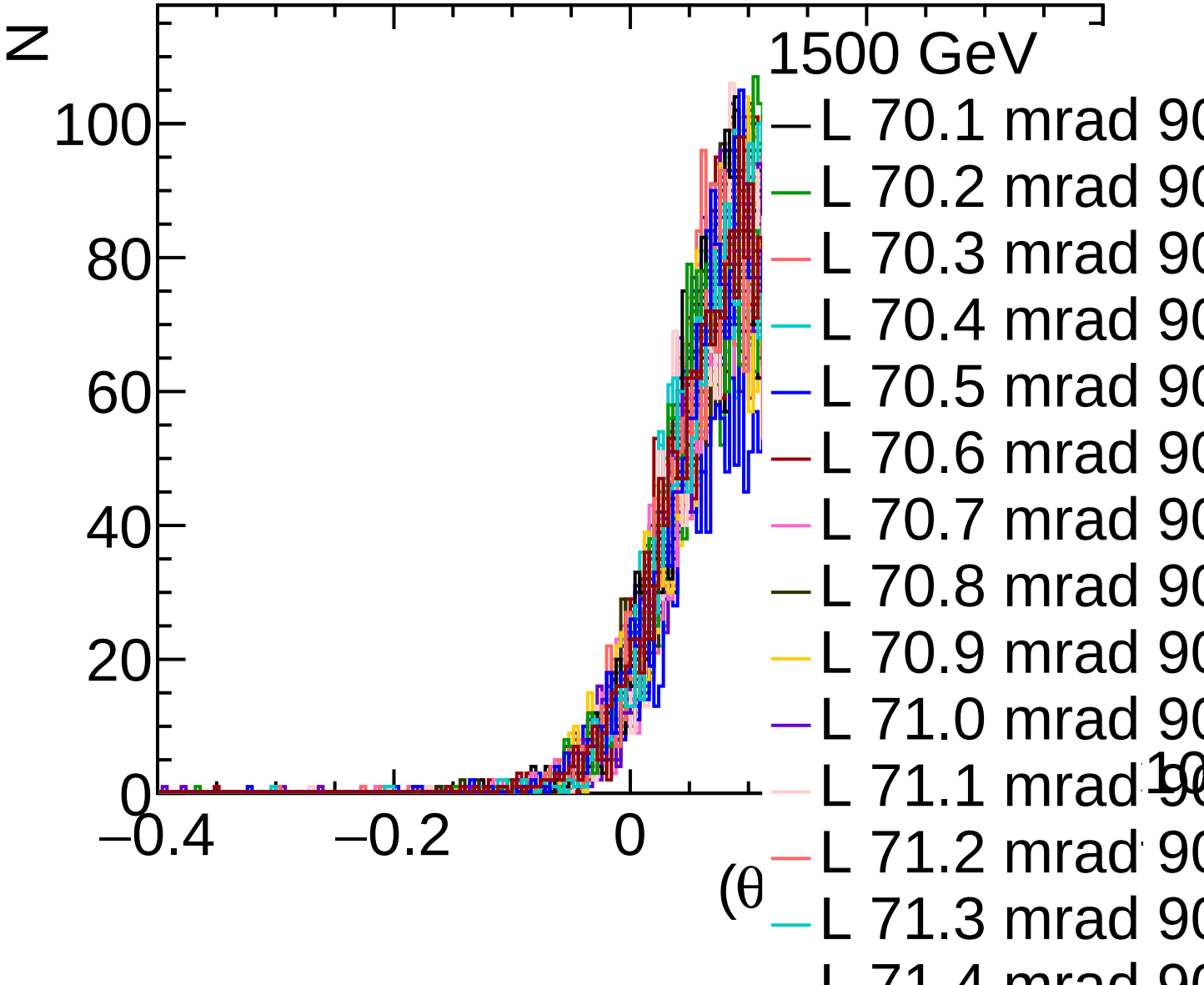

N
120
100
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 88
L 60.1 mrad 88
L 60.2 mrad 88
L 60.3 mrad 88
L 60.4 mrad 88
L 60.5 mrad 88
L 60.6 mrad 88
L 60.7 mrad 88
L 60.8 mrad 88
L 60.9 mrad 88
L 61.0 mrad 88
L 61.1 mrad 88
L 61.2 mrad 88
L 61.3 mrad 88

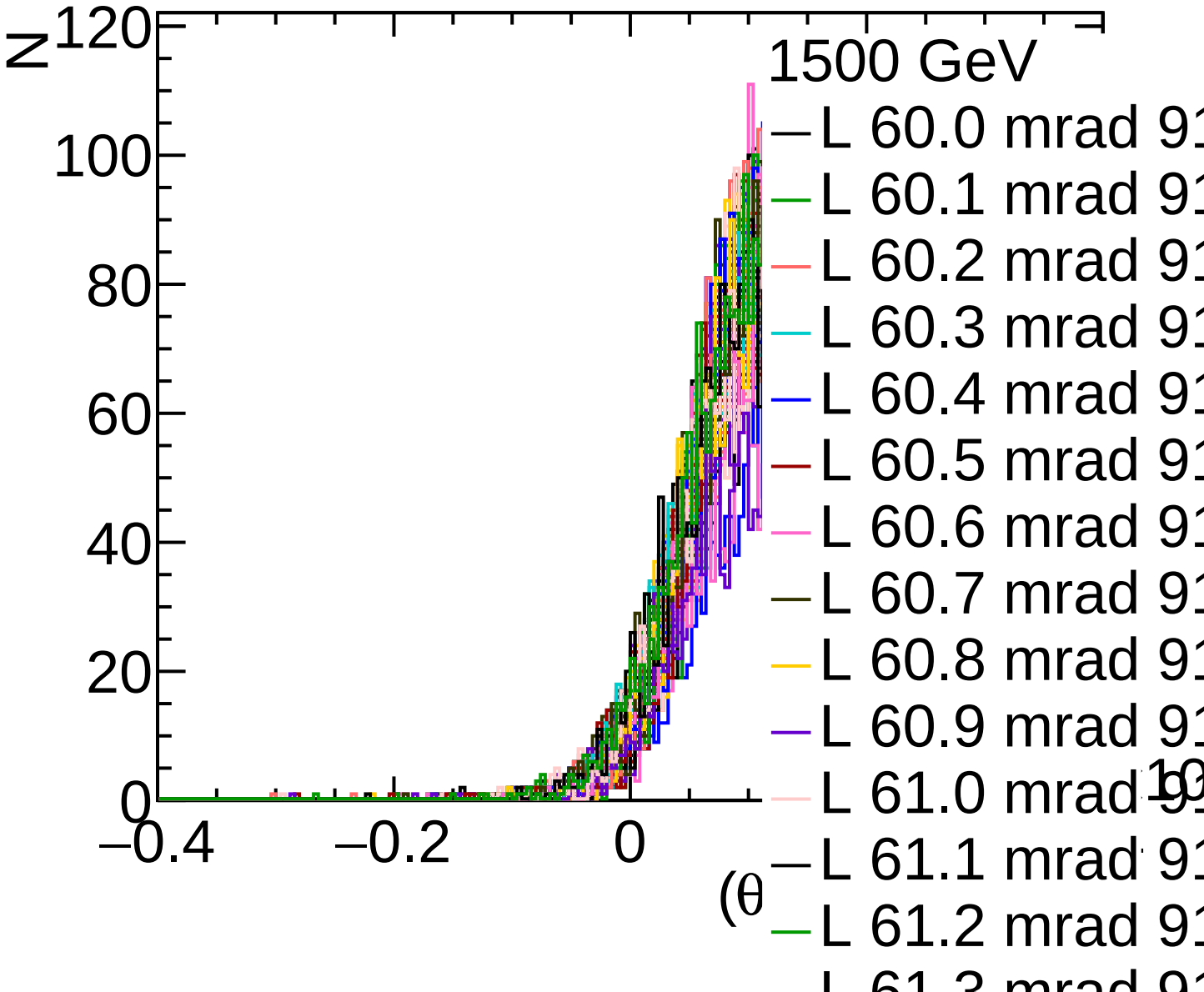

N
120
100
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 88
L 70.2 mrad 88
L 70.3 mrad 88
L 70.4 mrad 88
L 70.5 mrad 88
L 70.6 mrad 88
L 70.7 mrad 88
L 70.8 mrad 88
L 70.9 mrad 88
L 71.0 mrad 88
L 71.1 mrad 88
L 71.2 mrad 88
L 71.3 mrad 88


1500 GeV
L 60.0 mrad 89
L 60.1 mrad 89
L 60.2 mrad 89
L 60.3 mrad 89
L 60.4 mrad 89
L 60.5 mrad 89
L 60.6 mrad 89
L 60.7 mrad 89
L 60.8 mrad 89
L 60.9 mrad 89
L 61.0 mrad 89
L 61.1 mrad 89
L 61.2 mrad 89
120
100
80
60
40
20
0
–0.4
–0.2
0
(θ


N
120
100
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 89
L 70.2 mrad 89
L 70.3 mrad 89
L 70.4 mrad 89
L 70.5 mrad 89
L 70.6 mrad 89
L 70.7 mrad 89
L 70.8 mrad 89
L 70.9 mrad 89
L 71.0 mrad 89
L 71.1 mrad 89
L 71.2 mrad 89
L 71.3 mrad 89


1500 GeV
L 60.0 mrad 90
L 60.1 mrad 90
L 60.2 mrad 90
L 60.3 mrad 90
L 60.4 mrad 90
L 60.5 mrad 90
L 60.6 mrad 90
L 60.7 mrad 90
L 60.8 mrad 90
L 60.9 mrad 90
L 61.0 mrad 90
L 61.1 mrad 90
L 61.2 mrad 90
120
100
80
60
40
20
0
–0.4
–0.2
0


N
100
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 90
L 70.2 mrad 90
L 70.3 mrad 90
L 70.4 mrad 90
L 70.5 mrad 90
L 70.6 mrad 90
L 70.7 mrad 90
L 70.8 mrad 90
L 70.9 mrad 90
L 71.0 mrad 90
L 71.1 mrad 90
L 71.2 mrad 90
L 71.3 mrad 90
L 71.4 mrad 90


N
120
100
80
60
40
20
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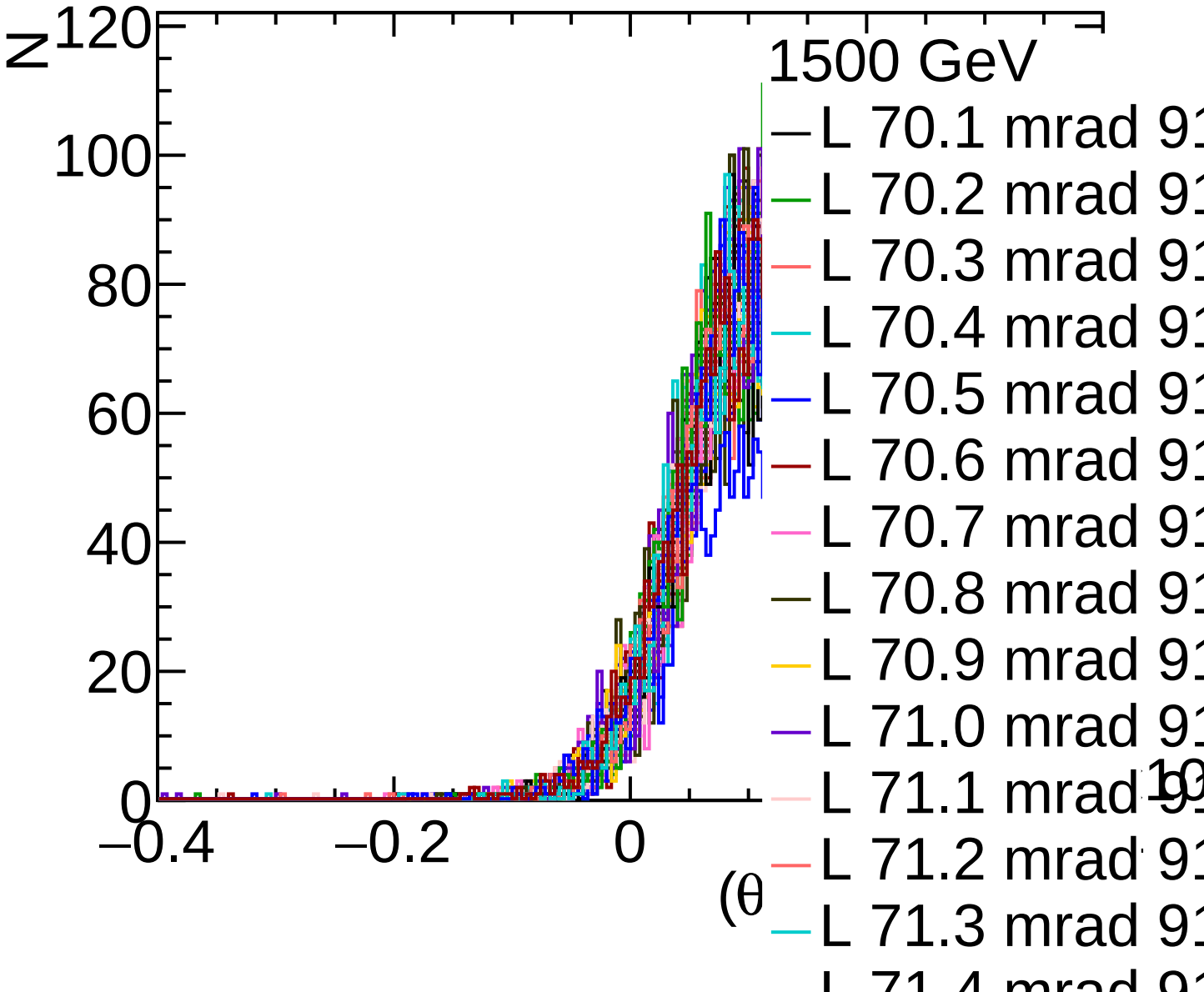
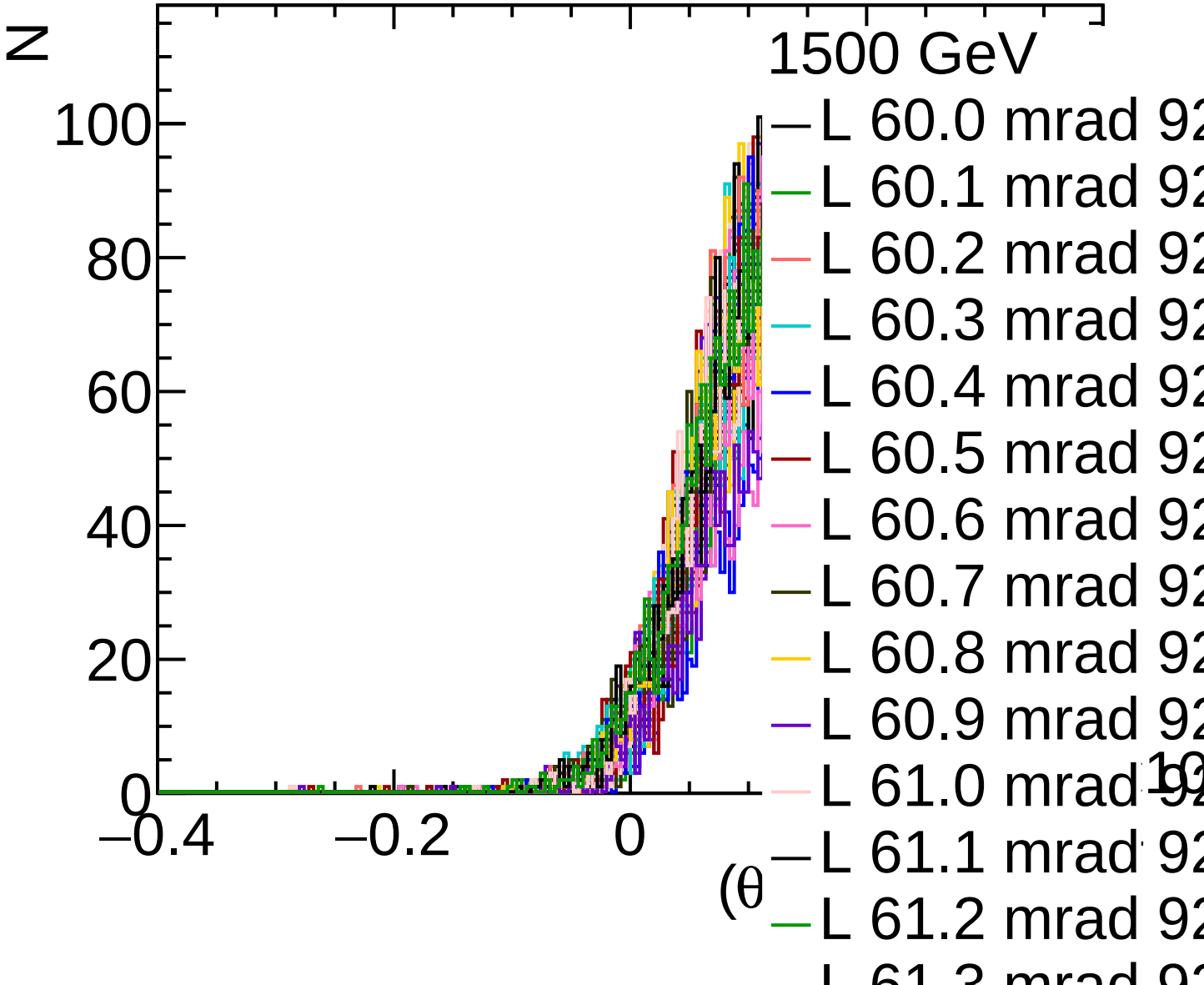
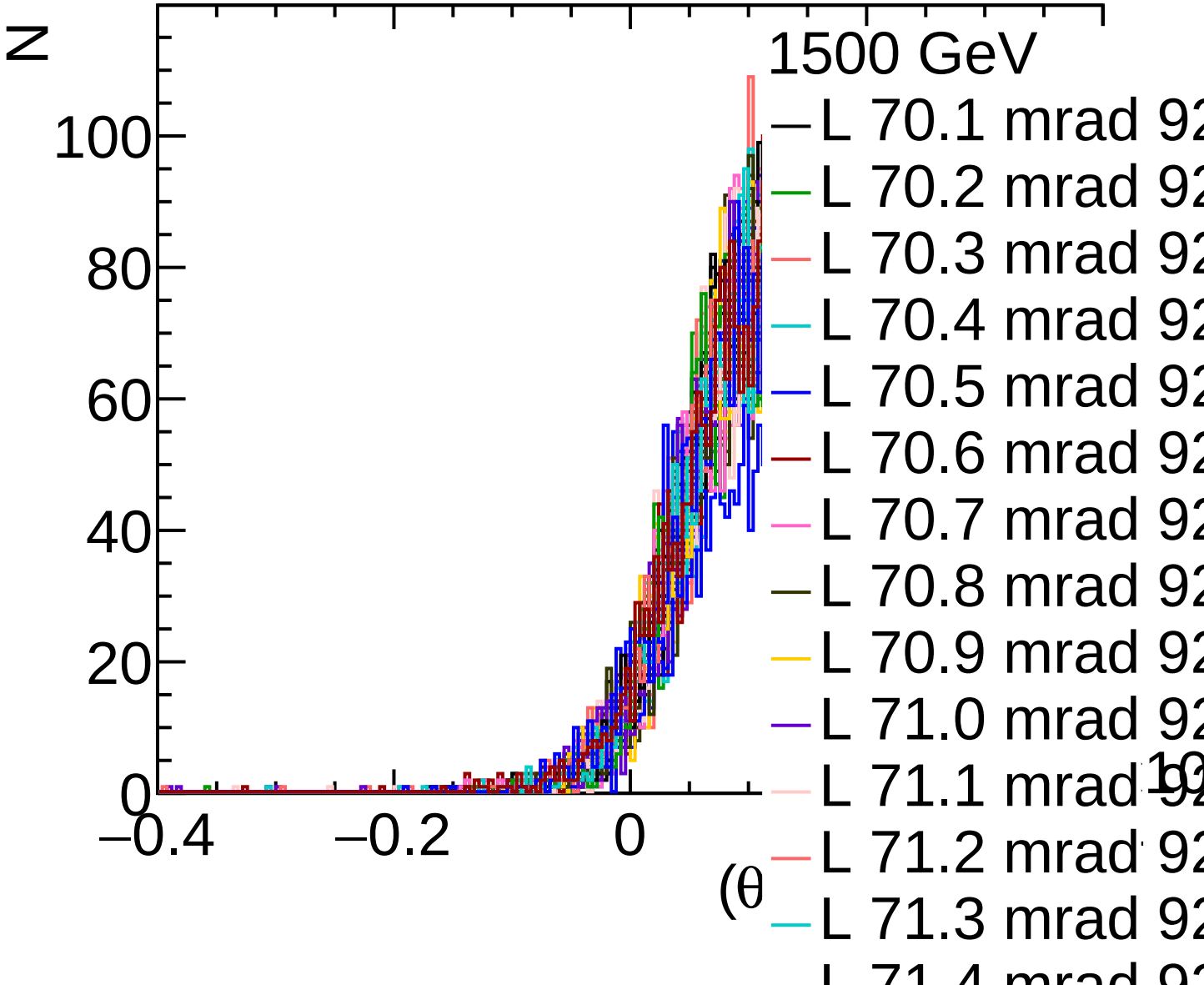
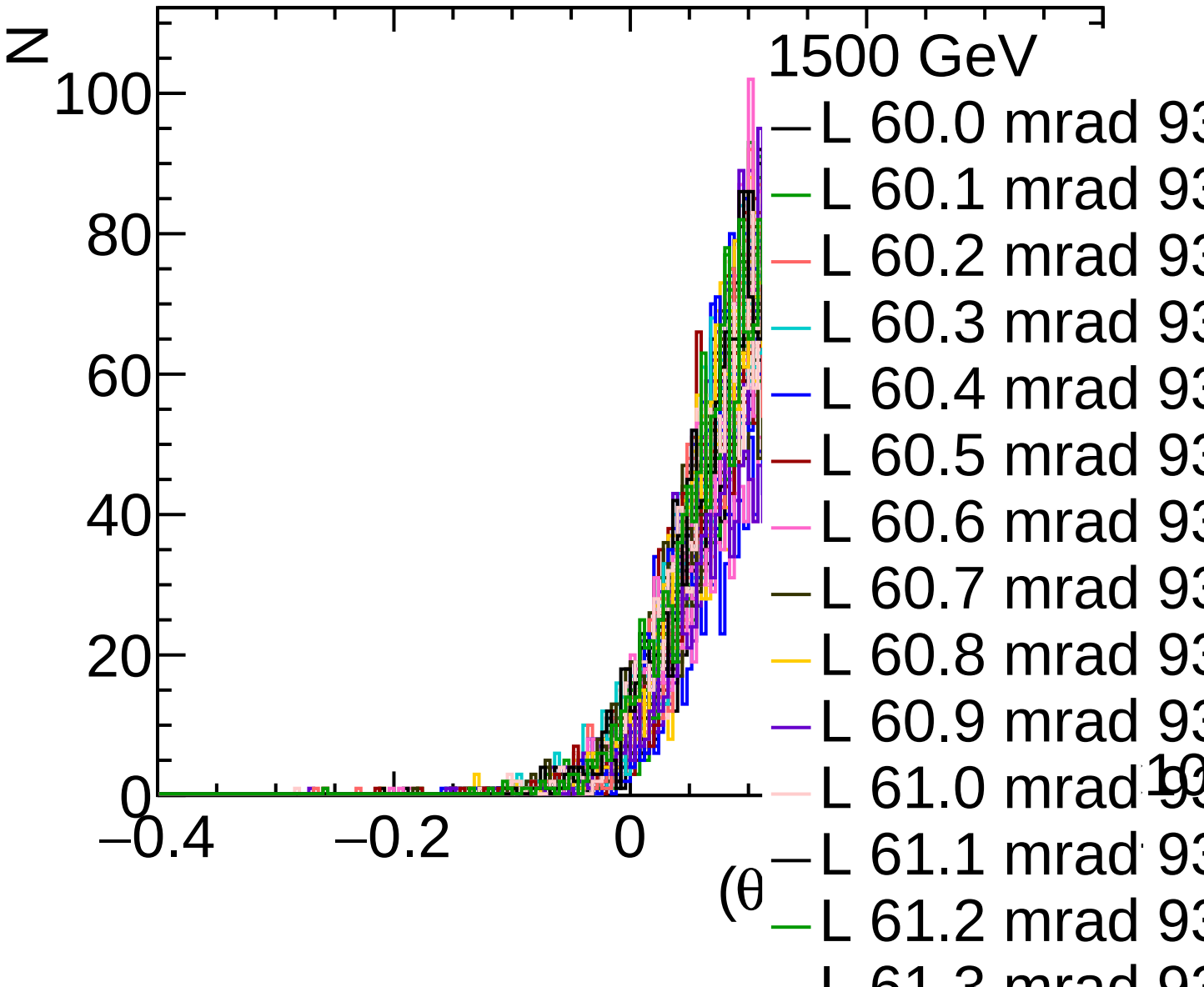
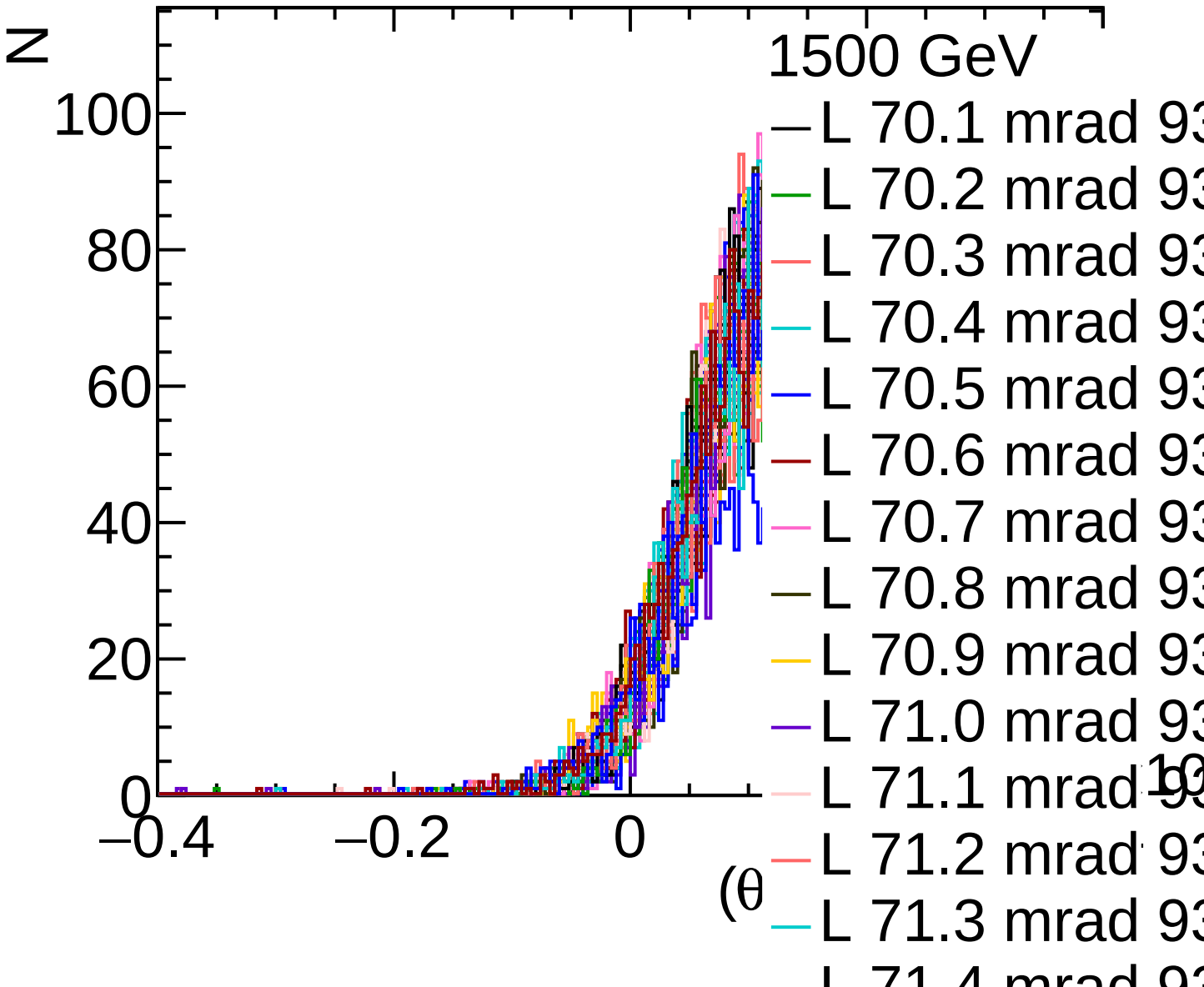
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 91
L 60.1 mrad 91
L 60.2 mrad 91
L 60.3 mrad 91
L 60.4 mrad 91
L 60.5 mrad 91
L 60.6 mrad 91
L 60.7 mrad 91
L 60.8 mrad 91
L 60.9 mrad 91
L 61.0 mrad 91
L 61.1 mrad 91
L 61.2 mrad 91

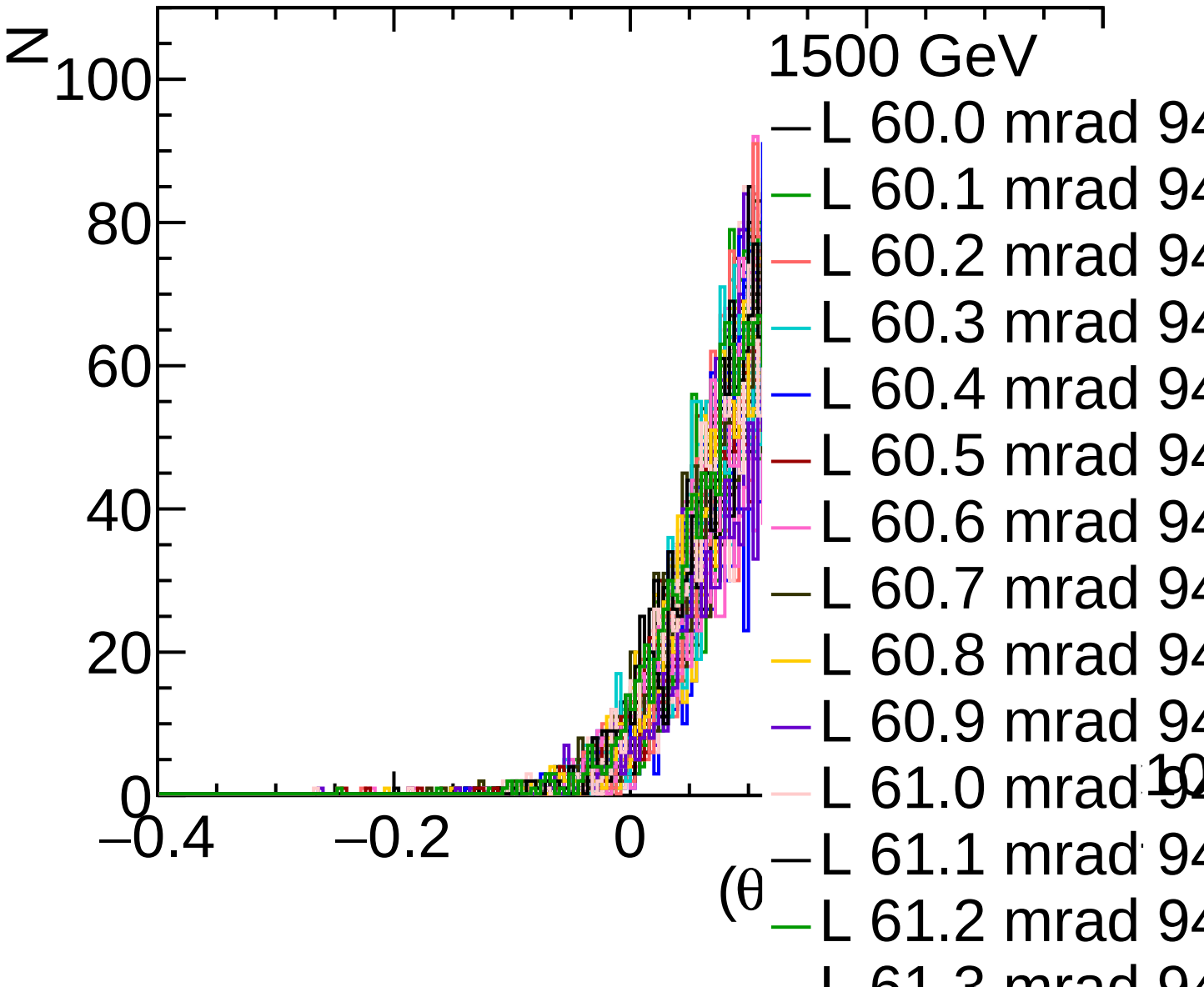

N
120
100
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 91
L 70.2 mrad 91
L 70.3 mrad 91
L 70.4 mrad 91
L 70.5 mrad 91
L 70.6 mrad 91
L 70.7 mrad 91
L 70.8 mrad 91
L 70.9 mrad 91
L 71.0 mrad 91
L 71.1 mrad 91
L 71.2 mrad 91
L 71.3 mrad 91

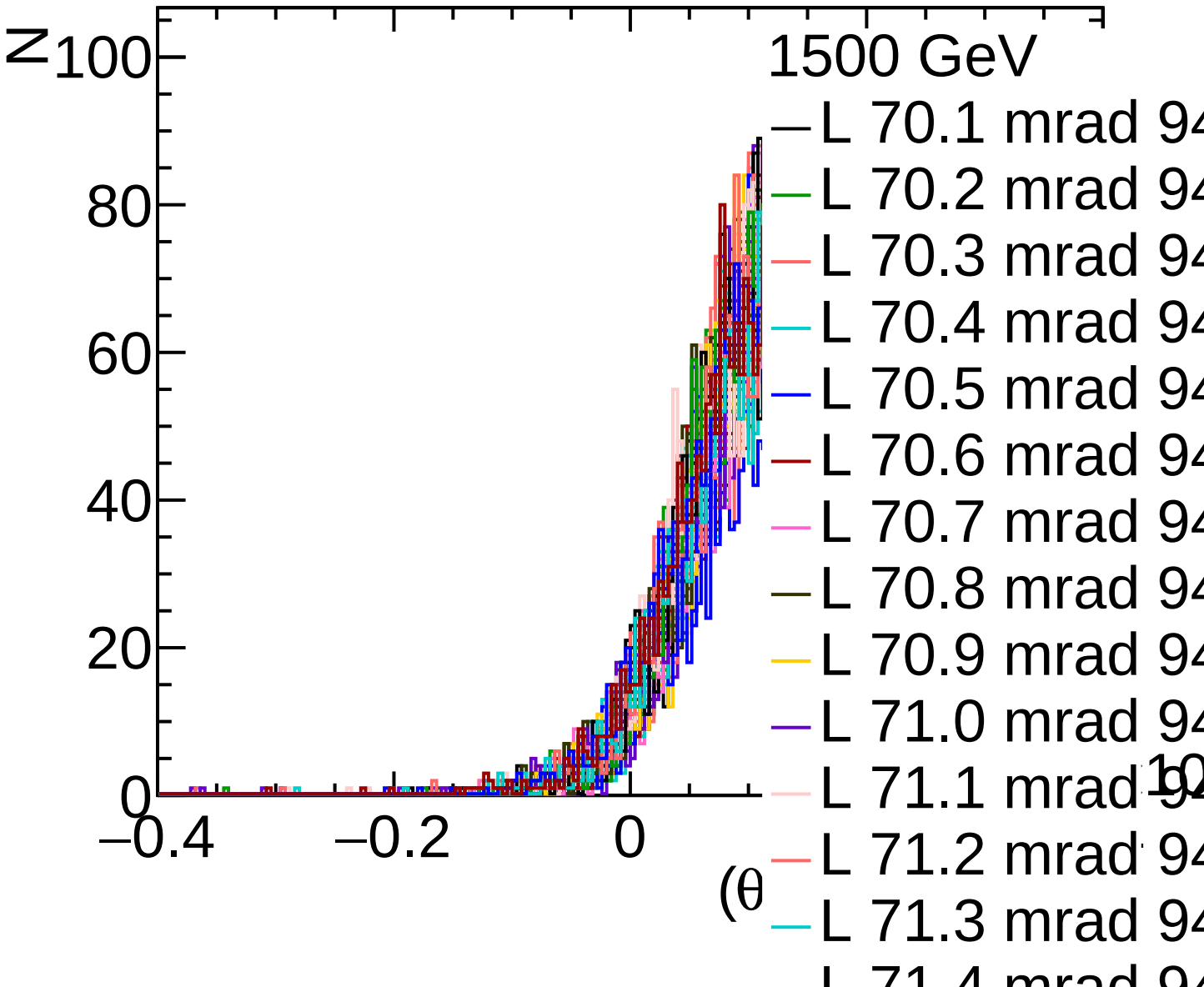

N
1500 GeV
100
80
60
40
20
0
–0.4
–0.2
0
(θ
L 60.0 mrad 92
L 60.1 mrad 92
L 60.2 mrad 92
L 60.3 mrad 92
L 60.4 mrad 92
L 60.5 mrad 92
L 60.6 mrad 92
L 60.7 mrad 92
L 60.8 mrad 92
L 60.9 mrad 92
L 61.0 mrad 92
L 61.1 mrad 92
L 61.2 mrad 92
L 61.3 mrad 92

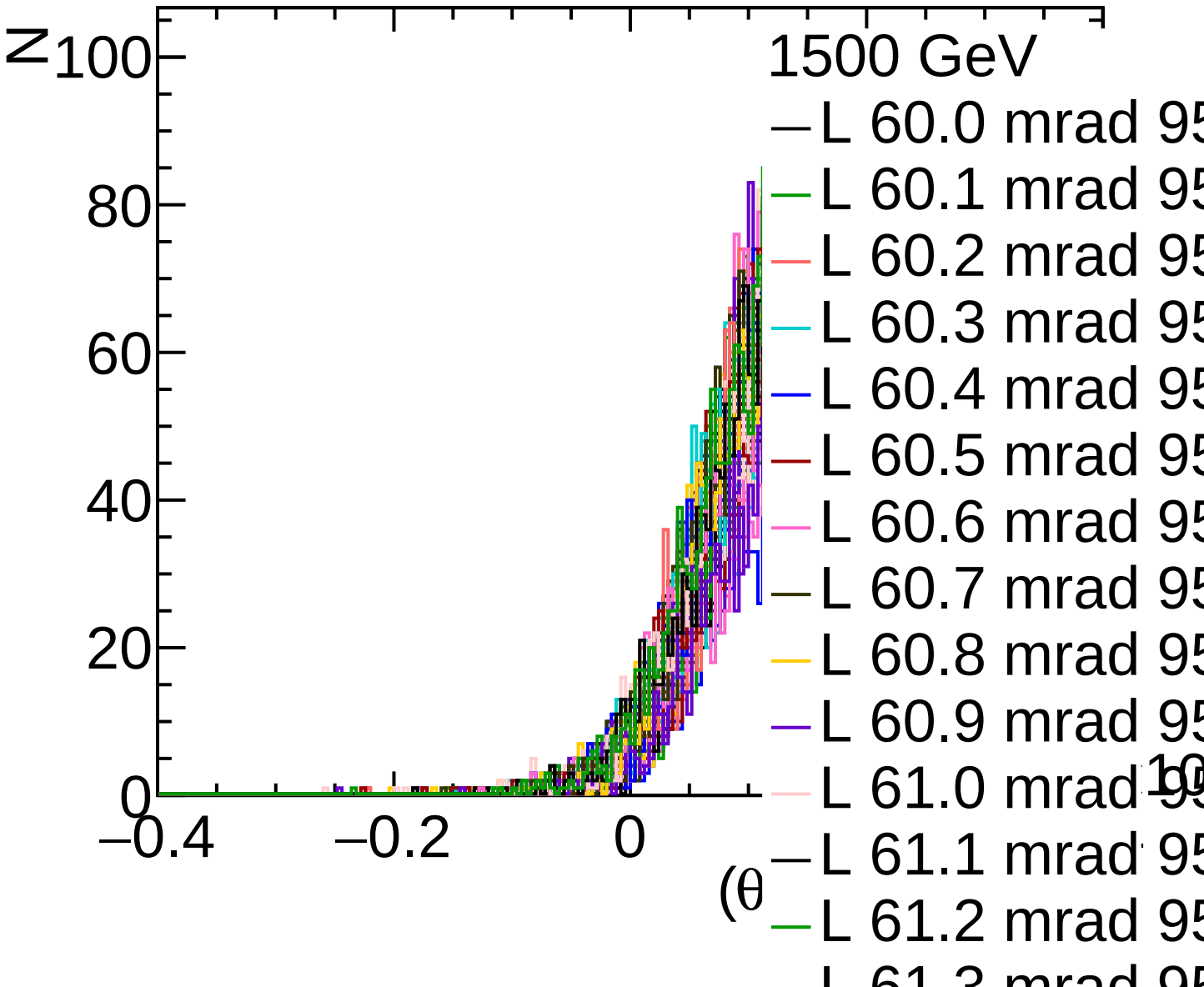

N
100
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 92
L 70.2 mrad 92
L 70.3 mrad 92
L 70.4 mrad 92
L 70.5 mrad 92
L 70.6 mrad 92
L 70.7 mrad 92
L 70.8 mrad 92
L 70.9 mrad 92
L 71.0 mrad 92
L 71.1 mrad 92
L 71.2 mrad 92
L 71.3 mrad 92

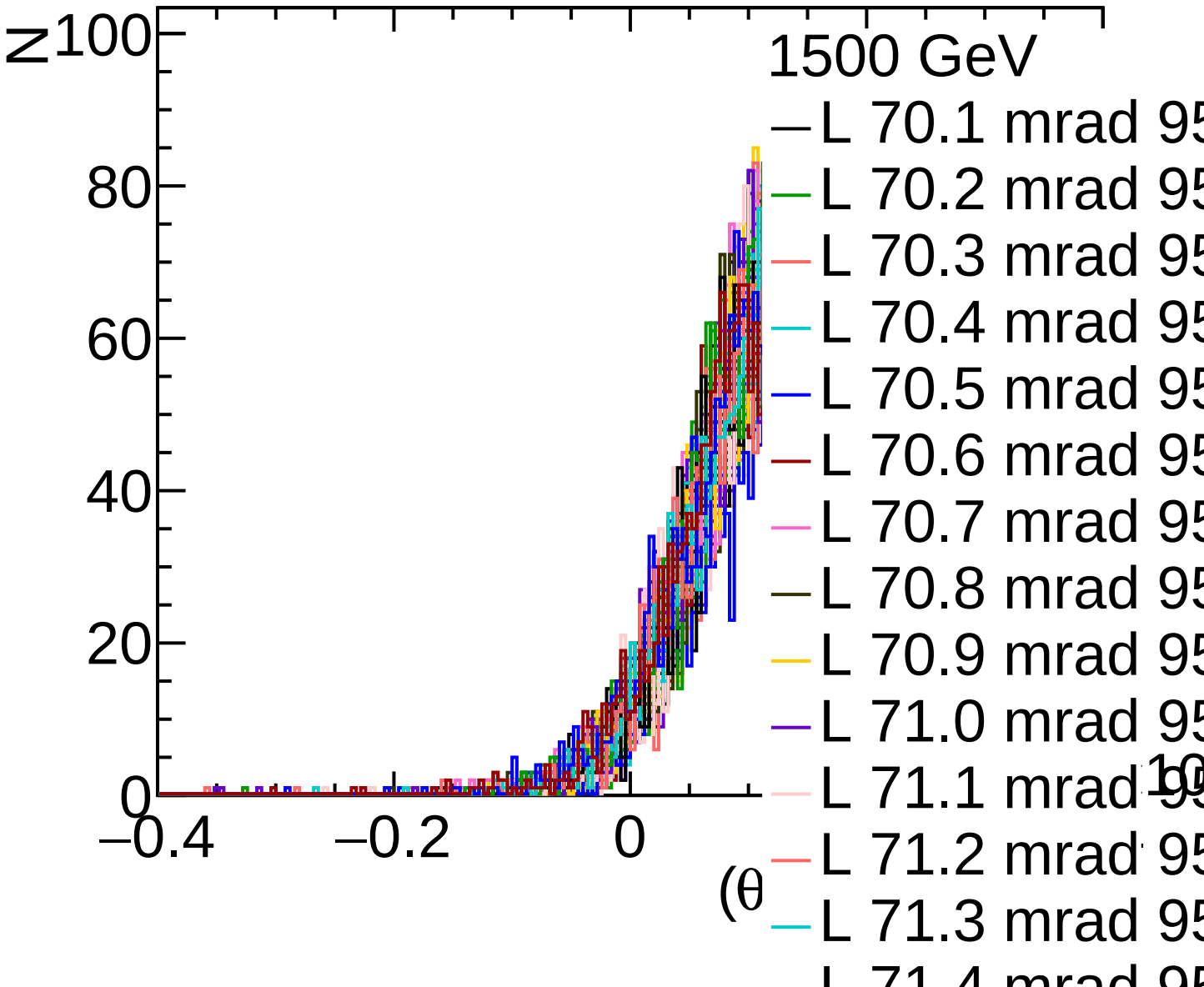

N
100
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 93
L 60.1 mrad 93
L 60.2 mrad 93
L 60.3 mrad 93
L 60.4 mrad 93
L 60.5 mrad 93
L 60.6 mrad 93
L 60.7 mrad 93
L 60.8 mrad 93
L 60.9 mrad 93
L 61.0 mrad 93
L 61.1 mrad 93
L 61.2 mrad 93

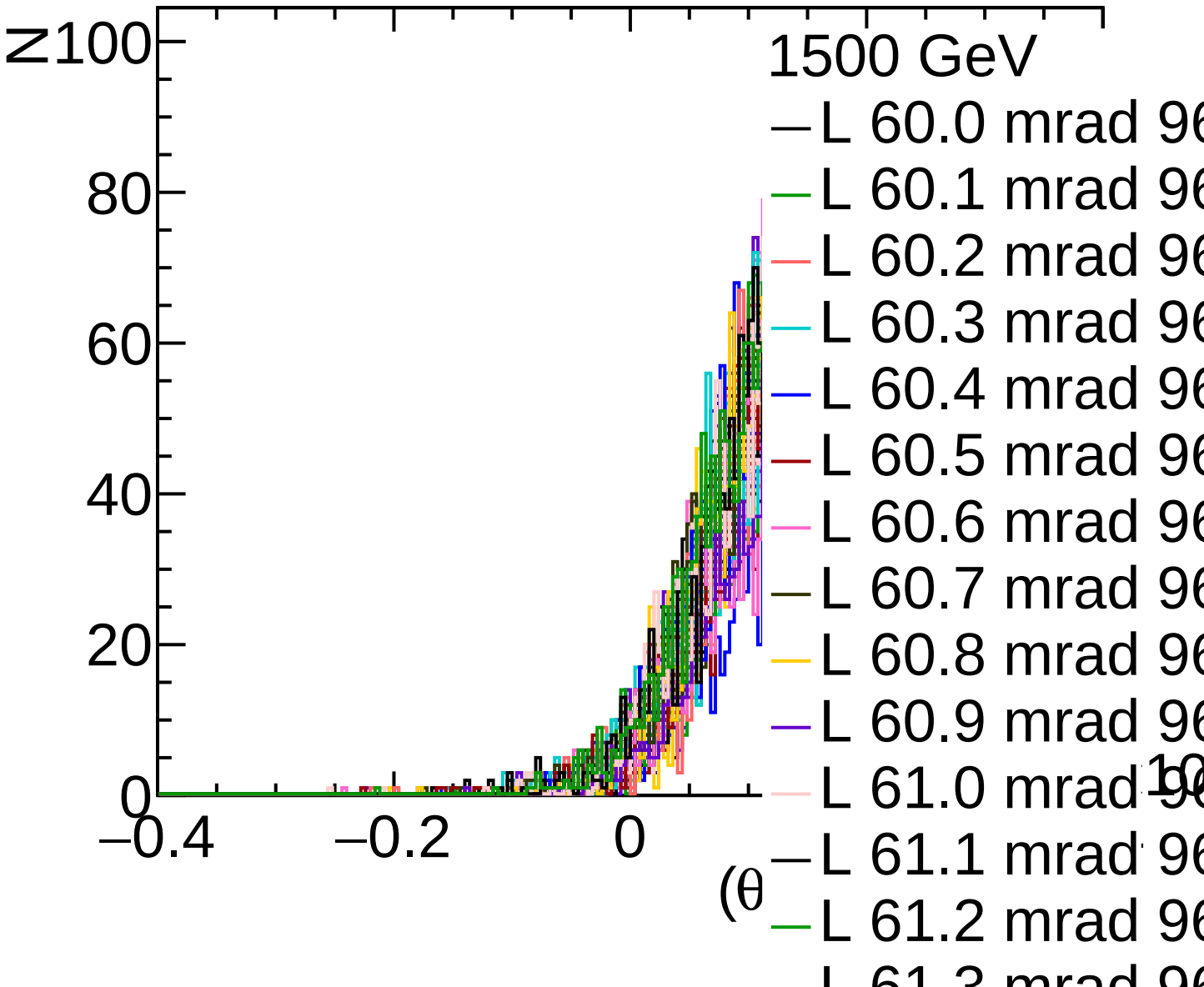

N
1500 GeV
100
80
60
40
20
0
–0.4
–0.2
0
(θ
L 70.1 mrad 93
L 70.2 mrad 93
L 70.3 mrad 93
L 70.4 mrad 93
L 70.5 mrad 93
L 70.6 mrad 93
L 70.7 mrad 93
L 70.8 mrad 93
L 70.9 mrad 93
L 71.0 mrad 93
L 71.1 mrad 93
L 71.2 mrad 93
L 71.3 mrad 93

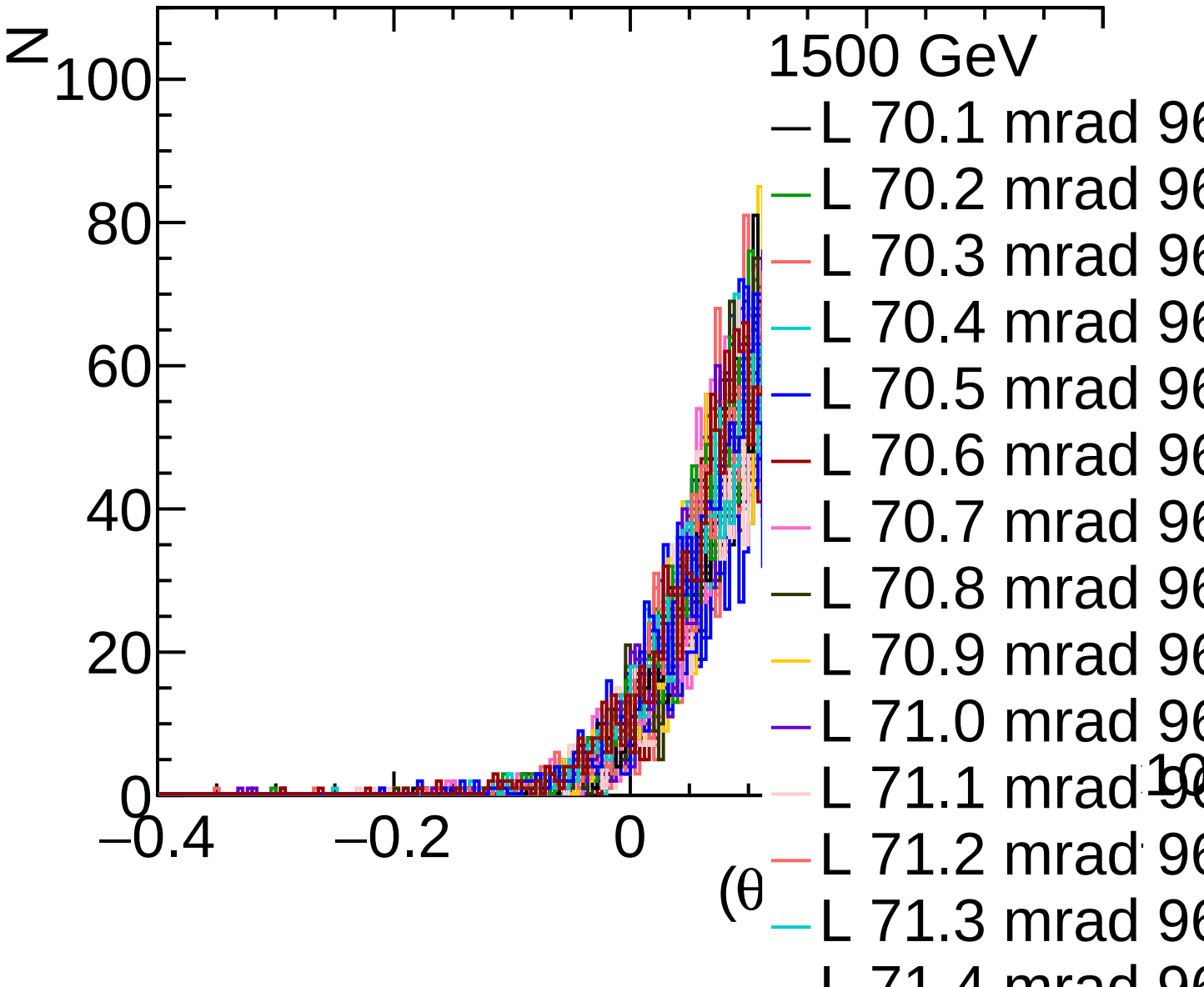

N
100
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 94
L 60.1 mrad 94
L 60.2 mrad 94
L 60.3 mrad 94
L 60.4 mrad 94
L 60.5 mrad 94
L 60.6 mrad 94
L 60.7 mrad 94
L 60.8 mrad 94
L 60.9 mrad 94
L 61.0 mrad 94
L 61.1 mrad 94
L 61.2 mrad 94
L 61.3 mrad 94

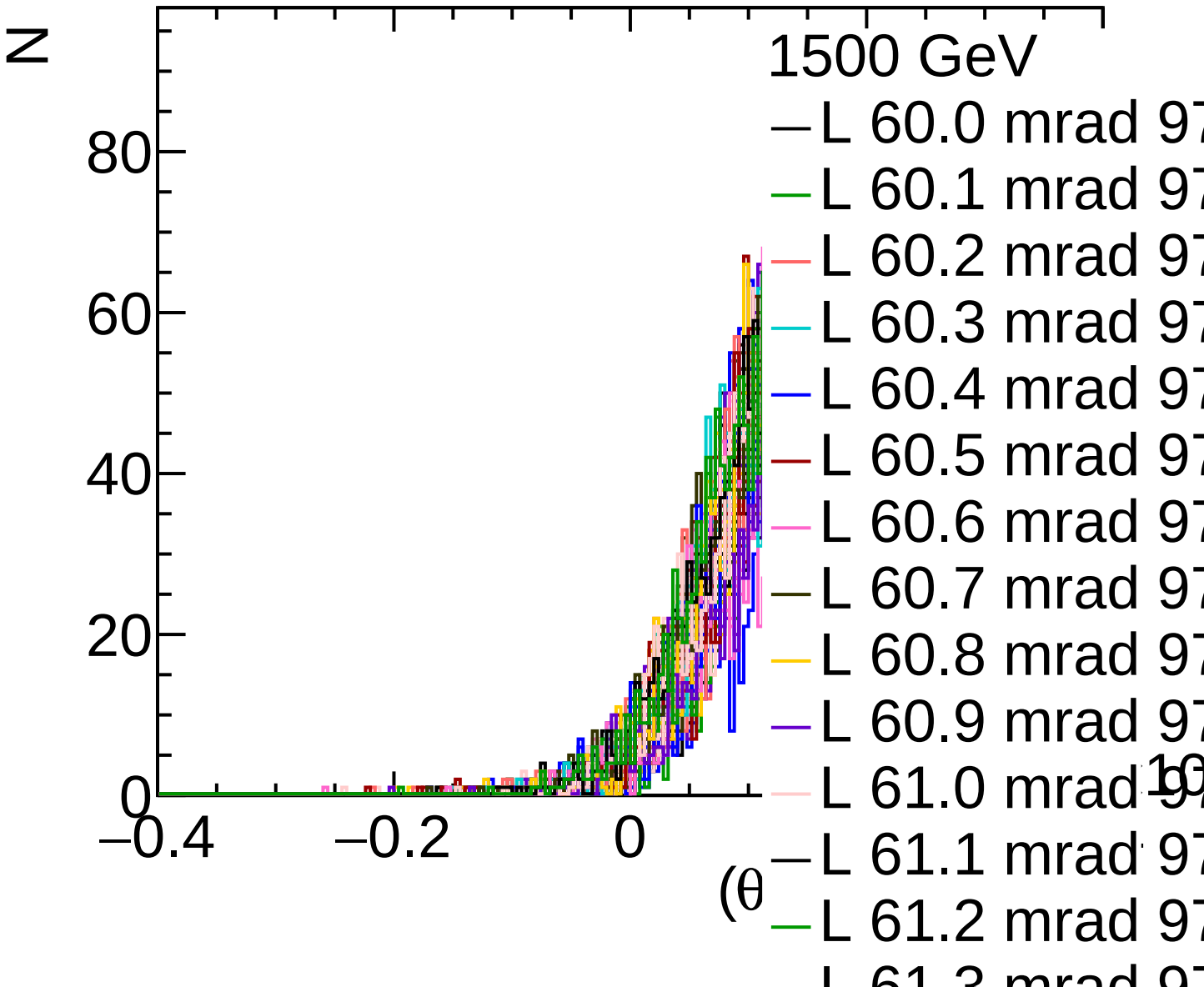

N
100
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 94
L 70.2 mrad 94
L 70.3 mrad 94
L 70.4 mrad 94
L 70.5 mrad 94
L 70.6 mrad 94
L 70.7 mrad 94
L 70.8 mrad 94
L 70.9 mrad 94
L 71.0 mrad 94
L 71.1 mrad 94
L 71.2 mrad 94
L 71.3 mrad 94
L 71.4 mrad 94

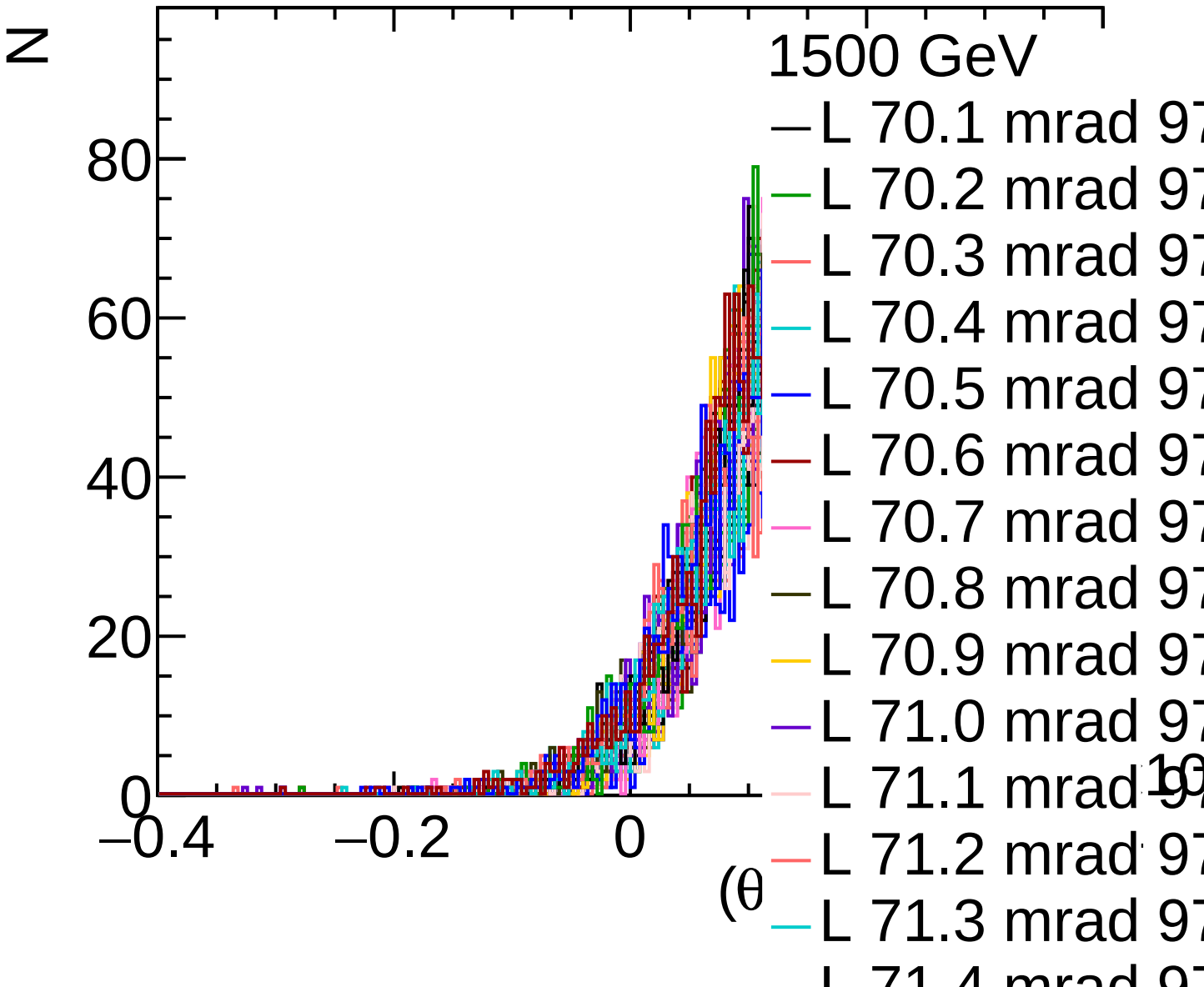

N
100
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 95
L 60.1 mrad 95
L 60.2 mrad 95
L 60.3 mrad 95
L 60.4 mrad 95
L 60.5 mrad 95
L 60.6 mrad 95
L 60.7 mrad 95
L 60.8 mrad 95
L 60.9 mrad 95
L 61.0 mrad 95
L 61.1 mrad 95
L 61.2 mrad 95

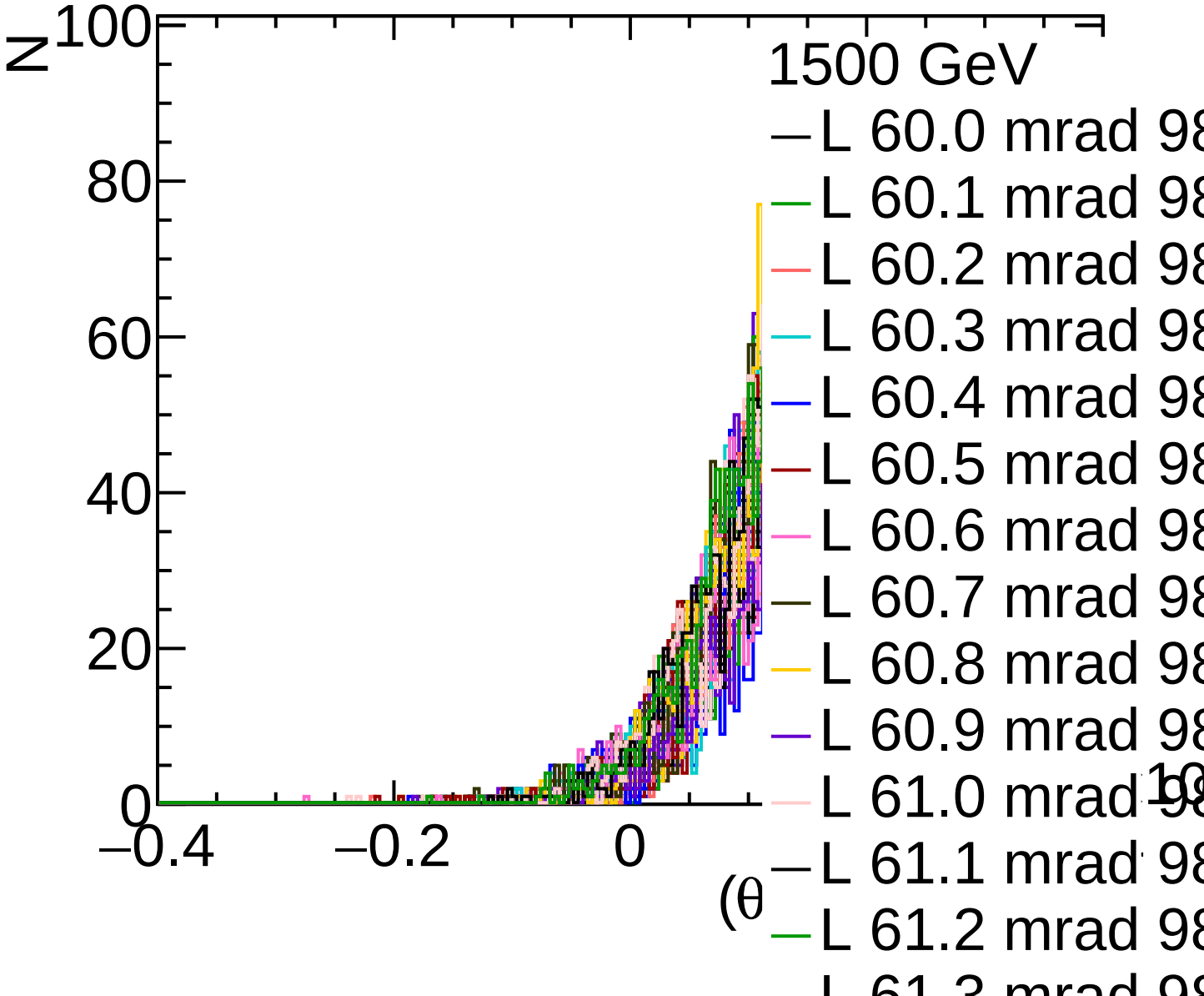

1500 GeV
L 70.1 mrad 95
L 70.2 mrad 95
L 70.3 mrad 95
L 70.4 mrad 95
L 70.5 mrad 95
L 70.6 mrad 95
L 70.7 mrad 95
L 70.8 mrad 95
L 70.9 mrad 95
L 71.0 mrad 95
L 71.1 mrad 95
L 71.2 mrad 95
L 71.3 mrad 95
100
80
60
40
20
0
–0.4
–0.2
0
(θ

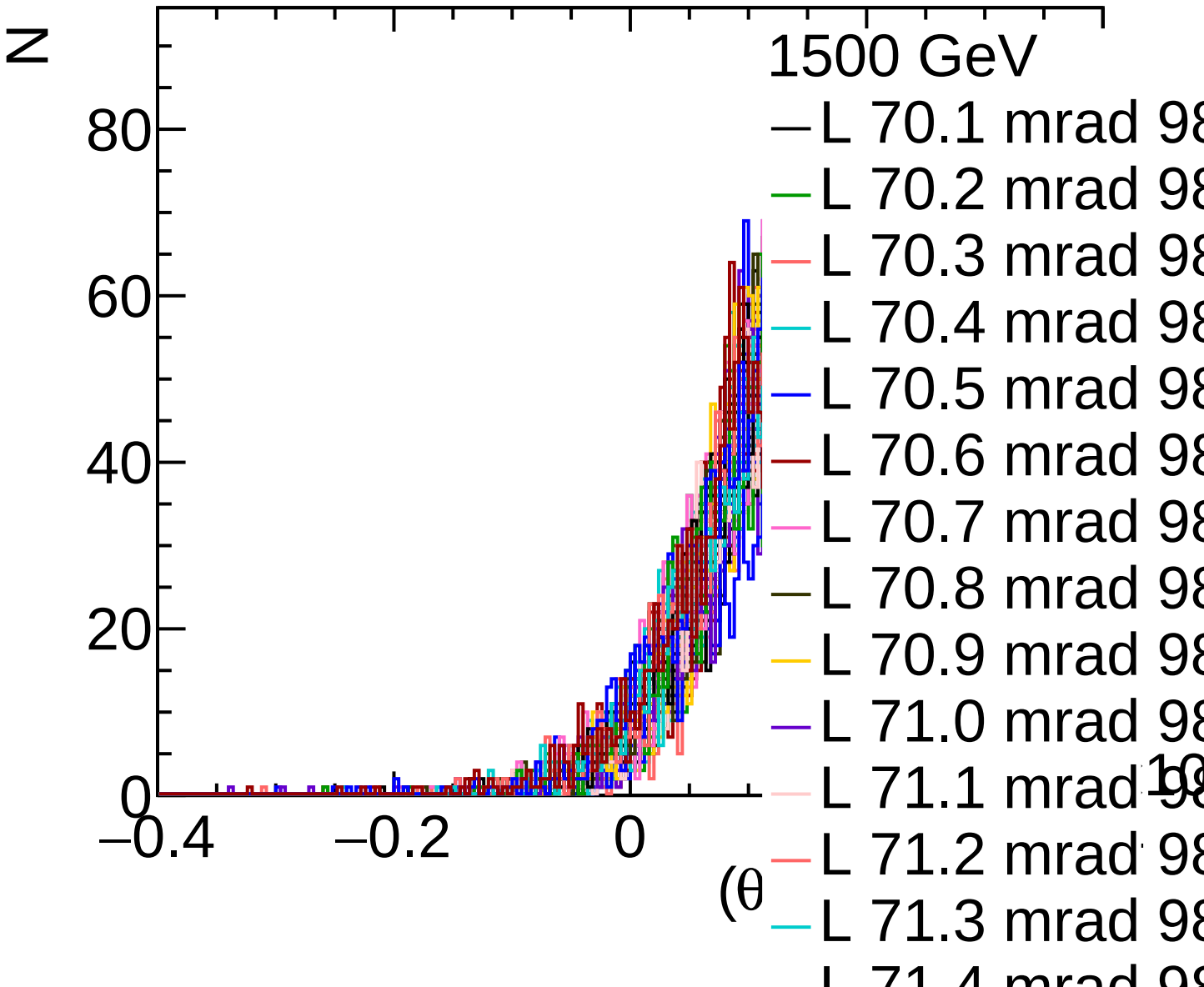

1500 GeV
L 60.0 mrad 96
L 60.1 mrad 96
L 60.2 mrad 96
L 60.3 mrad 96
L 60.4 mrad 96
L 60.5 mrad 96
L 60.6 mrad 96
L 60.7 mrad 96
L 60.8 mrad 96
L 60.9 mrad 96
L 61.0 mrad 96
L 61.1 mrad 96
L 61.2 mrad 96
100
80
60
40
20
0
–0.4
–0.2
0
(θ

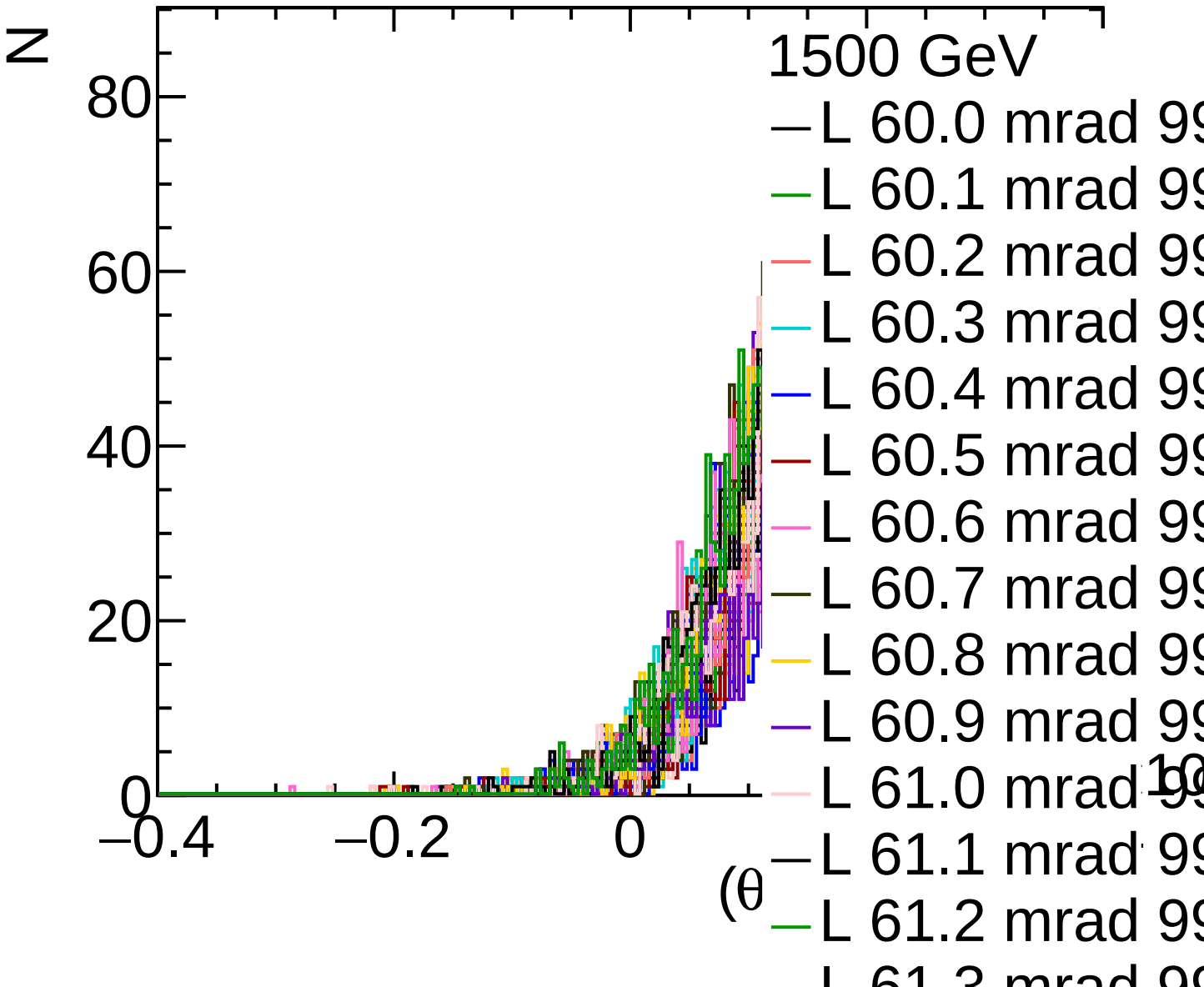

N
100
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 96
L 70.2 mrad 96
L 70.3 mrad 96
L 70.4 mrad 96
L 70.5 mrad 96
L 70.6 mrad 96
L 70.7 mrad 96
L 70.8 mrad 96
L 70.9 mrad 96
L 71.0 mrad 96
L 71.1 mrad 96
L 71.2 mrad 96
L 71.3 mrad 96

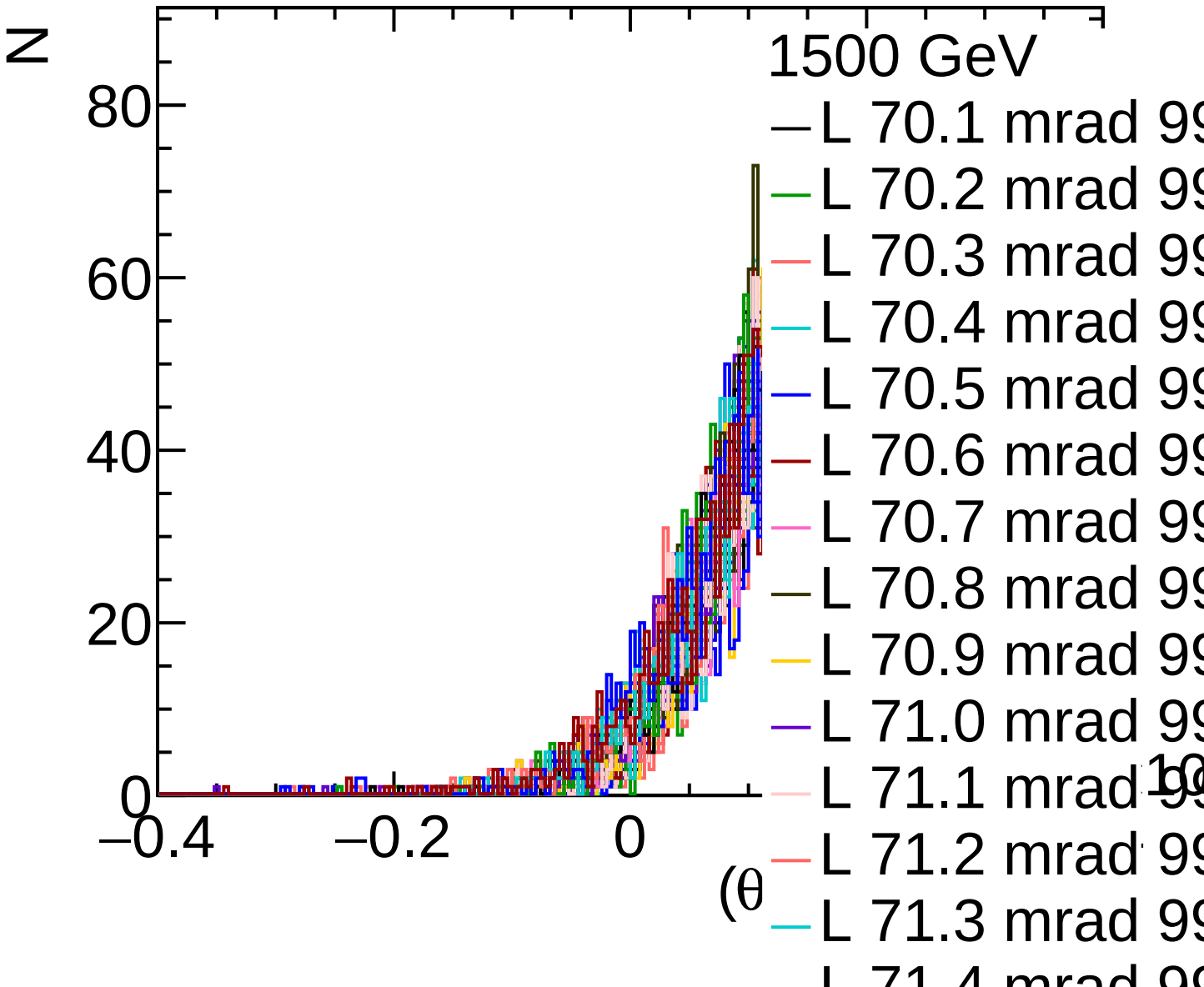

N
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 97
L 60.1 mrad 97
L 60.2 mrad 97
L 60.3 mrad 97
L 60.4 mrad 97
L 60.5 mrad 97
L 60.6 mrad 97
L 60.7 mrad 97
L 60.8 mrad 97
L 60.9 mrad 97
L 61.0 mrad 97
L 61.1 mrad 97
L 61.2 mrad 97

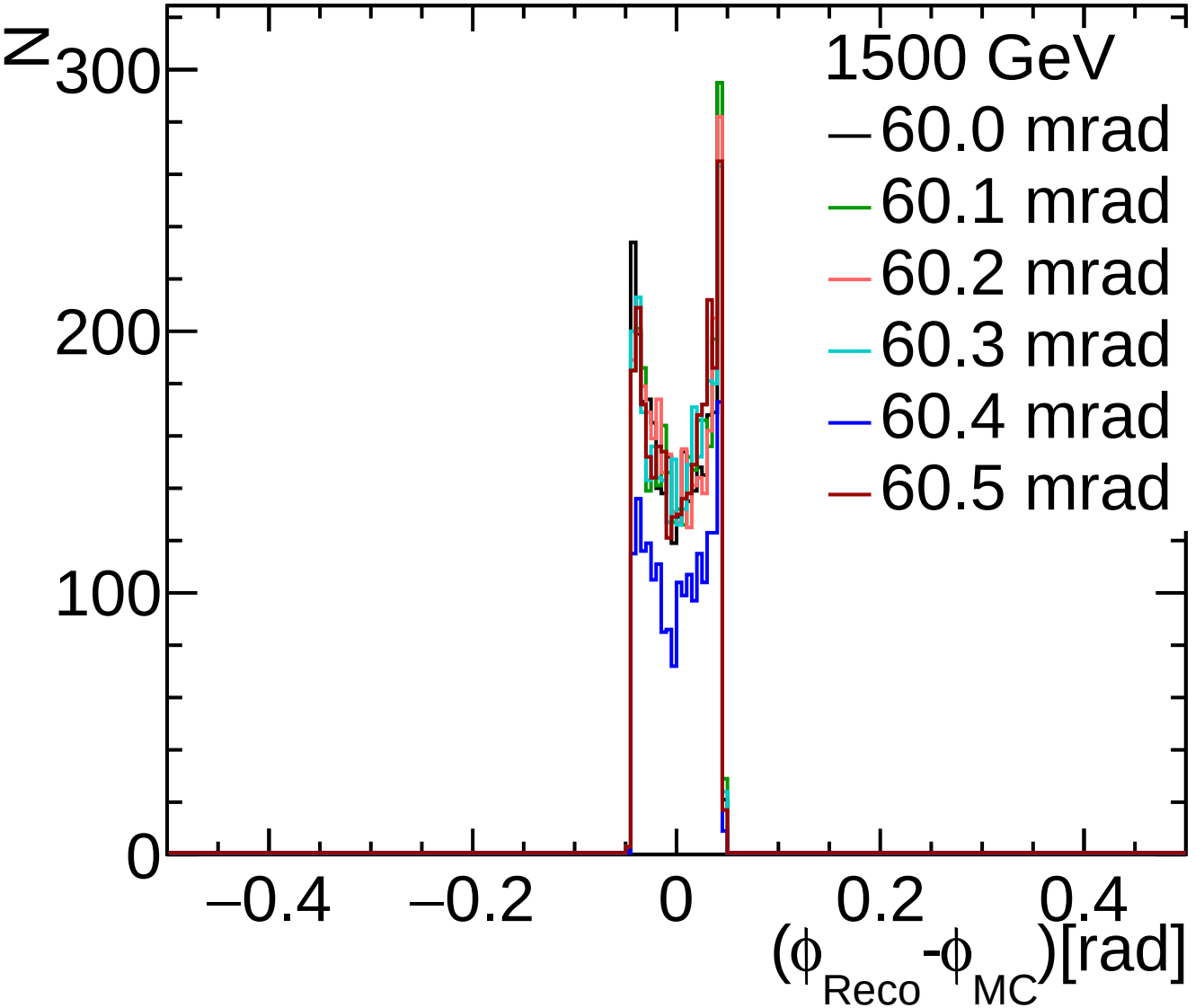

N
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 97
L 70.2 mrad 97
L 70.3 mrad 97
L 70.4 mrad 97
L 70.5 mrad 97
L 70.6 mrad 97
L 70.7 mrad 97
L 70.8 mrad 97
L 70.9 mrad 97
L 71.0 mrad 97
L 71.1 mrad 97
L 71.2 mrad 97
L 71.3 mrad 97

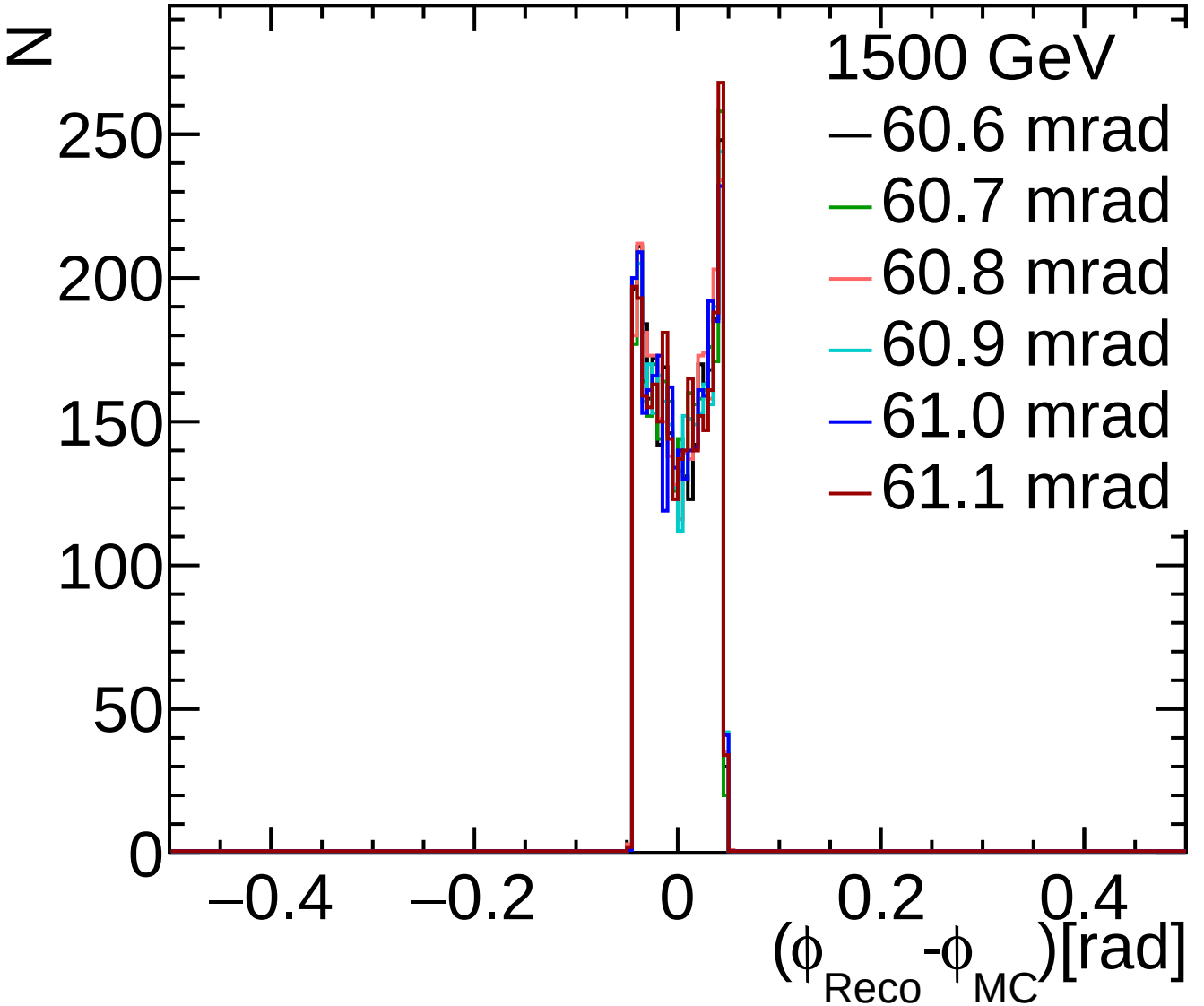

N
100
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 98
L 60.1 mrad 98
L 60.2 mrad 98
L 60.3 mrad 98
L 60.4 mrad 98
L 60.5 mrad 98
L 60.6 mrad 98
L 60.7 mrad 98
L 60.8 mrad 98
L 60.9 mrad 98
L 61.0 mrad 98
L 61.1 mrad 98
L 61.2 mrad 98

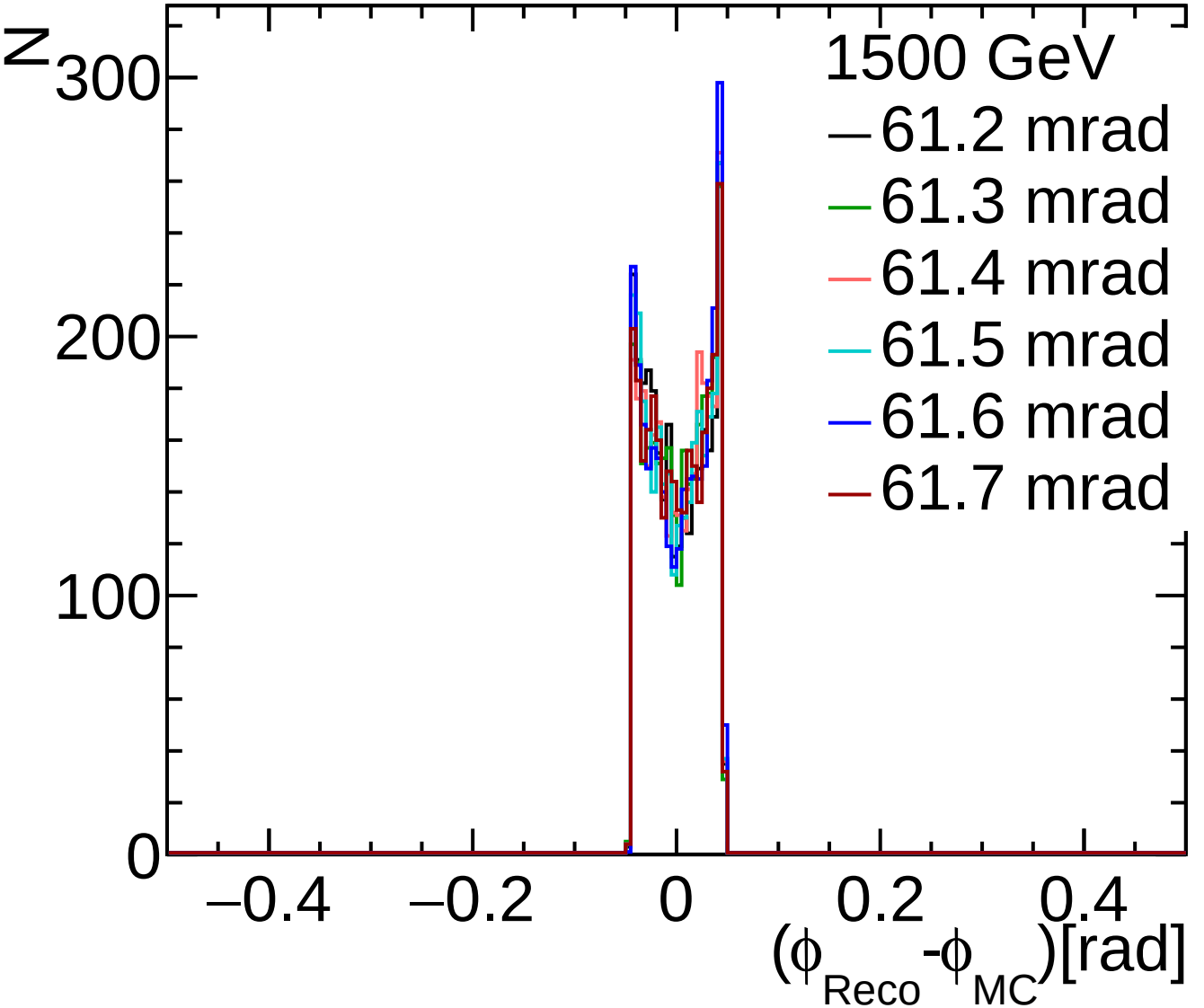

N
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 70.1 mrad 98
L 70.2 mrad 98
L 70.3 mrad 98
L 70.4 mrad 98
L 70.5 mrad 98
L 70.6 mrad 98
L 70.7 mrad 98
L 70.8 mrad 98
L 70.9 mrad 98
L 71.0 mrad 98
L 71.1 mrad 98
L 71.2 mrad 98
L 71.3 mrad 98
L 71.4 mrad 98

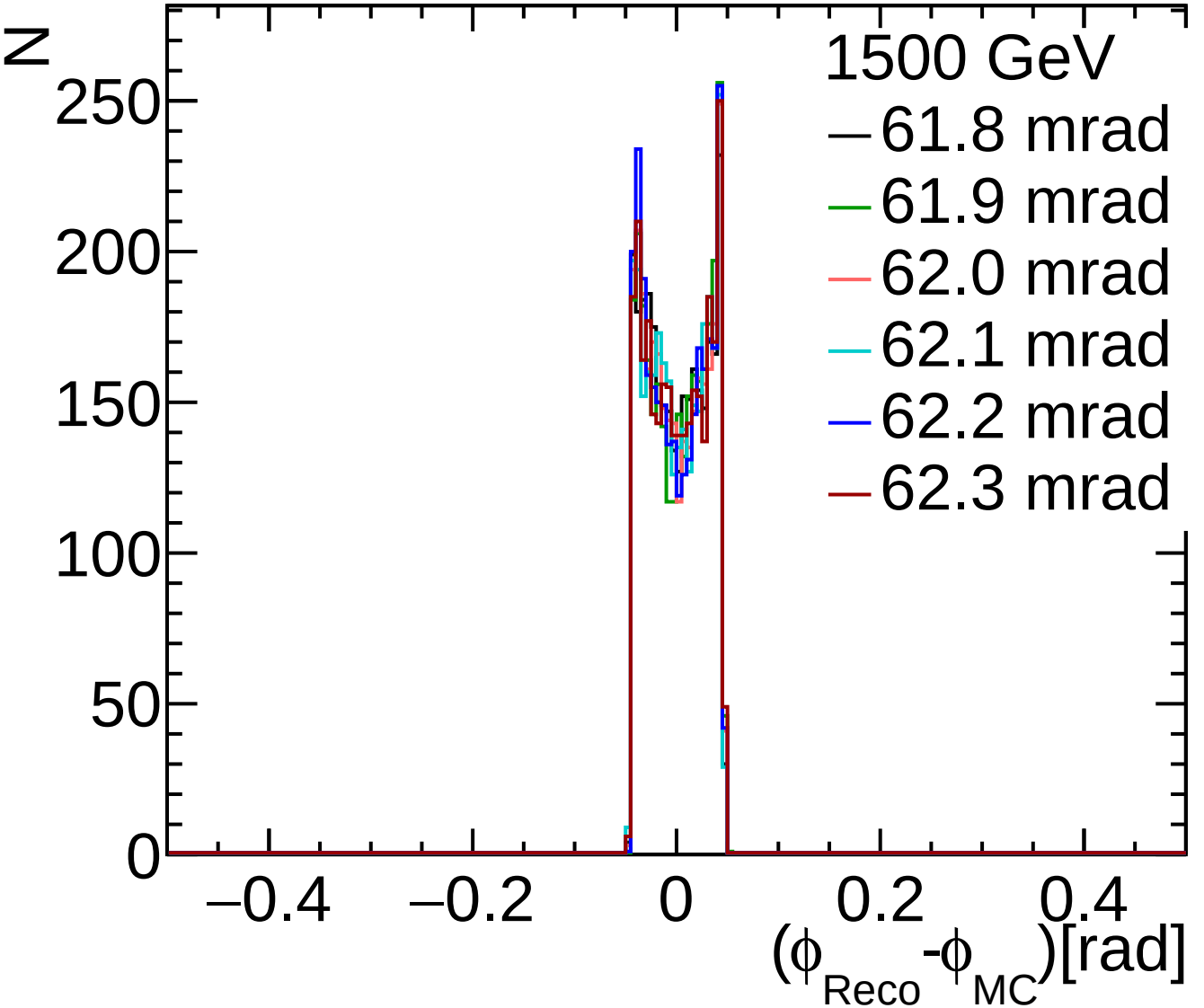

N
80
60
40
20
0
–0.4
–0.2
0
(θ
1500 GeV
L 60.0 mrad 99
L 60.1 mrad 99
L 60.2 mrad 99
L 60.3 mrad 99
L 60.4 mrad 99
L 60.5 mrad 99
L 60.6 mrad 99
L 60.7 mrad 99
L 60.8 mrad 99
L 60.9 mrad 99
L 61.0 mrad 99
L 61.1 mrad 99
L 61.2 mrad 99

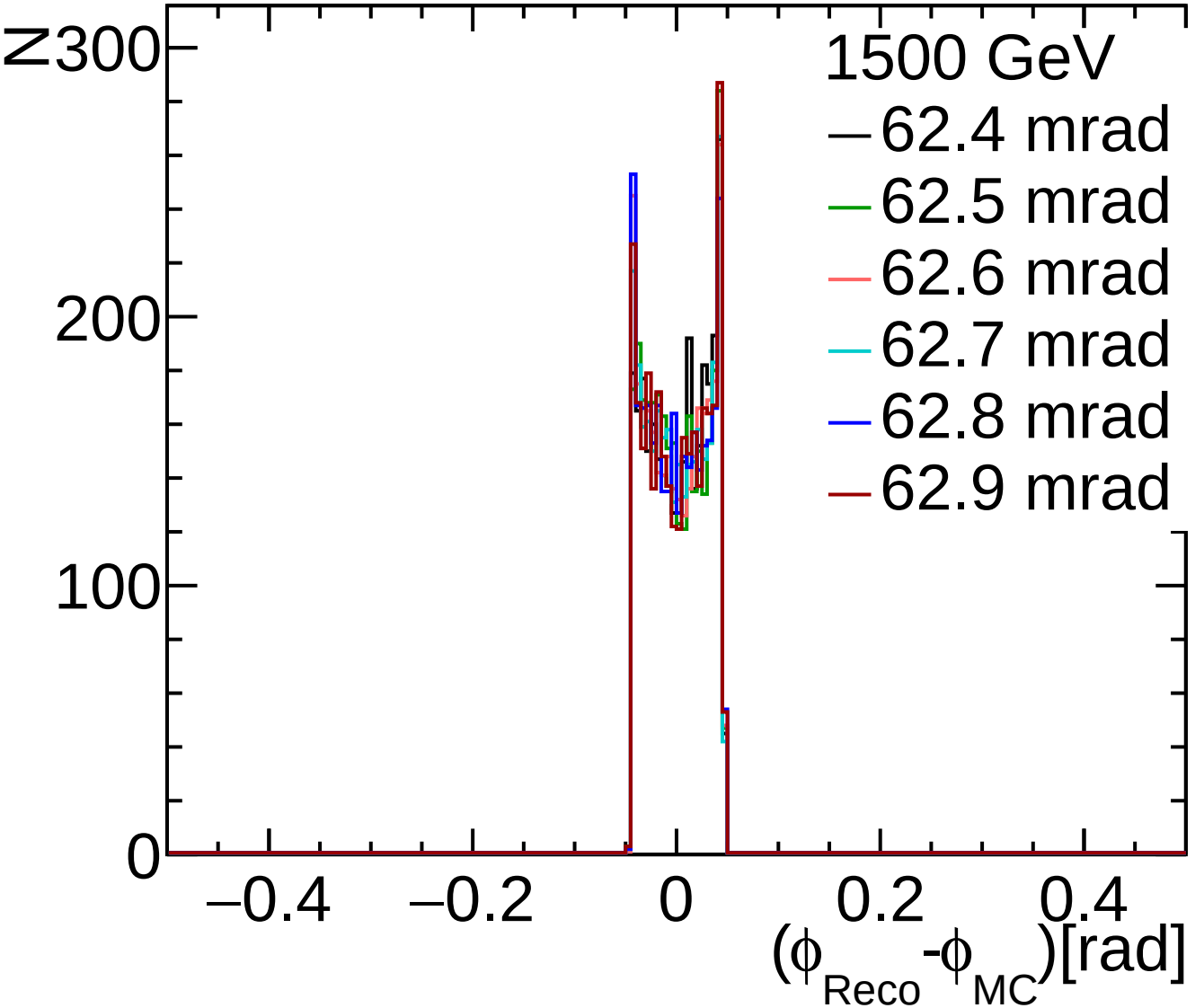

N
80
60
40
20
0
–0.4
–0.2
0
1500 GeV
L 70.1 mrad 99
L 70.2 mrad 99
L 70.3 mrad 99
L 70.4 mrad 99
L 70.5 mrad 99
L 70.6 mrad 99
L 70.7 mrad 99
L 70.8 mrad 99
L 70.9 mrad 99
L 71.0 mrad 99
L 71.1 mrad 99
L 71.2 mrad 99
L 71.3 mrad 99
(θ

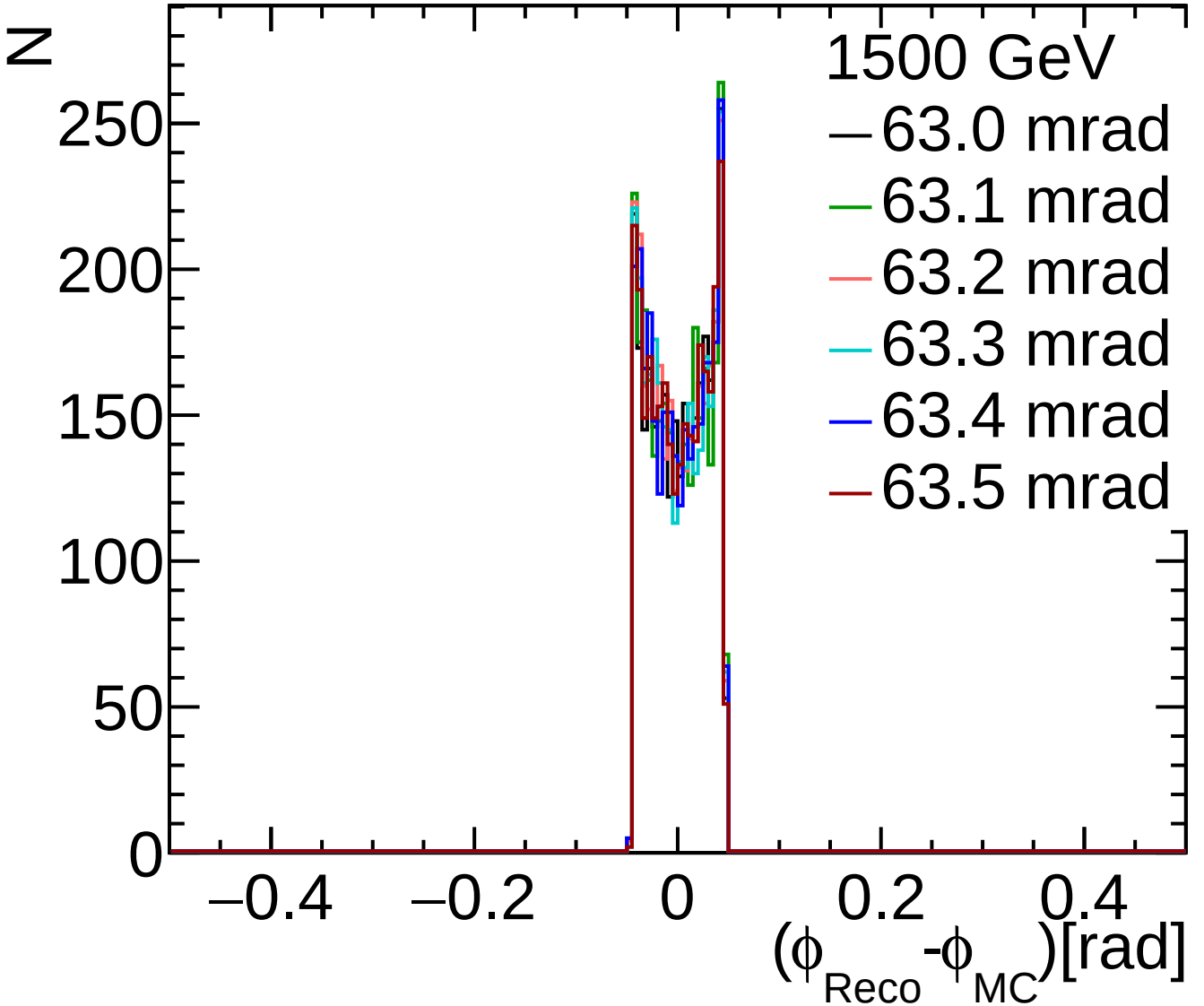

N
300
200
100
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
60.0 mrad
60.1 mrad
60.2 mrad
60.3 mrad
60.4 mrad
60.5 mrad

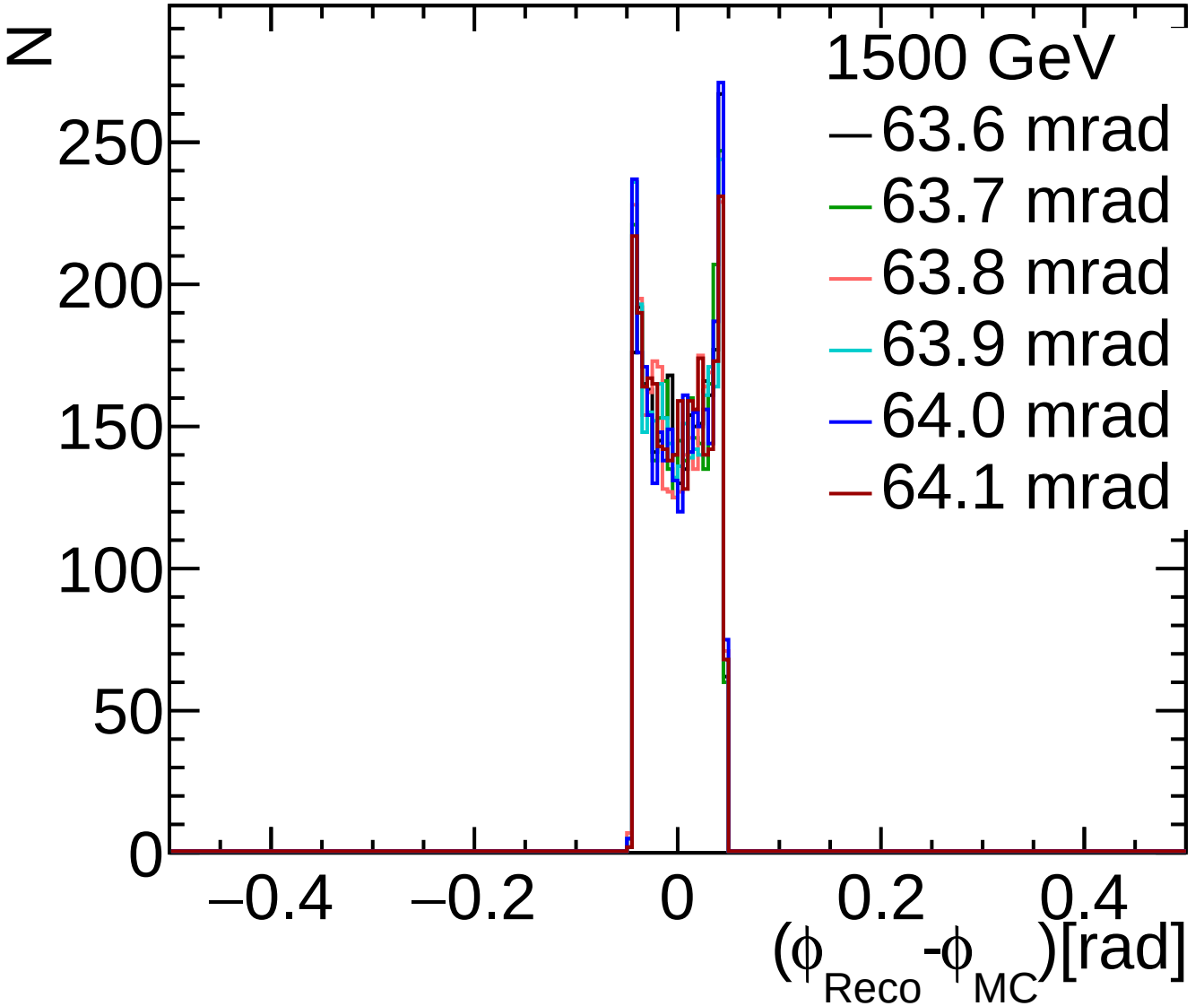

N
250
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
60.6 mrad
60.7 mrad
60.8 mrad
60.9 mrad
61.0 mrad
61.1 mrad

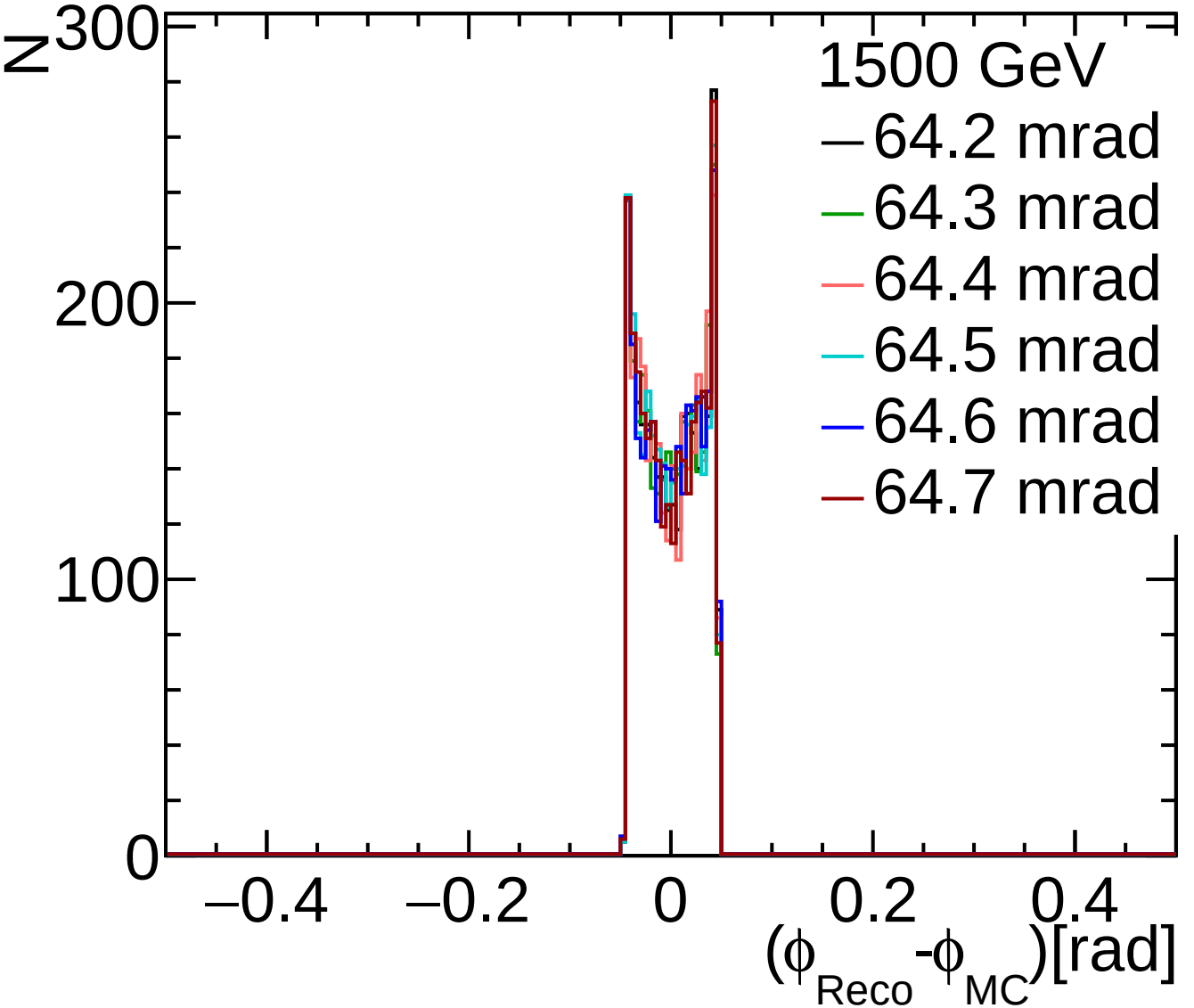

N
300
200
100
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
61.2 mrad
61.3 mrad
61.4 mrad
61.5 mrad
61.6 mrad
61.7 mrad

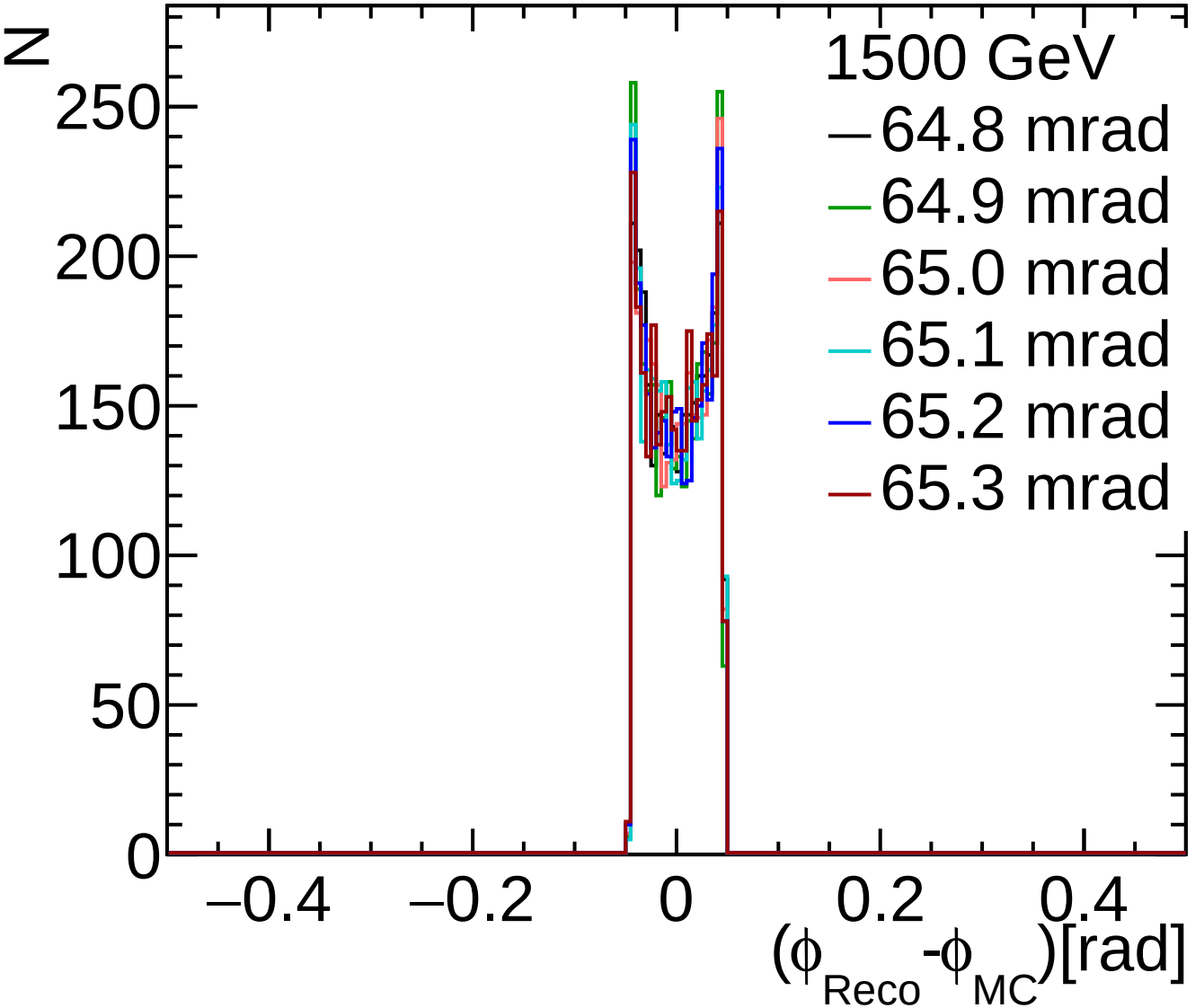

N
250
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
61.8 mrad
61.9 mrad
62.0 mrad
62.1 mrad
62.2 mrad
62.3 mrad

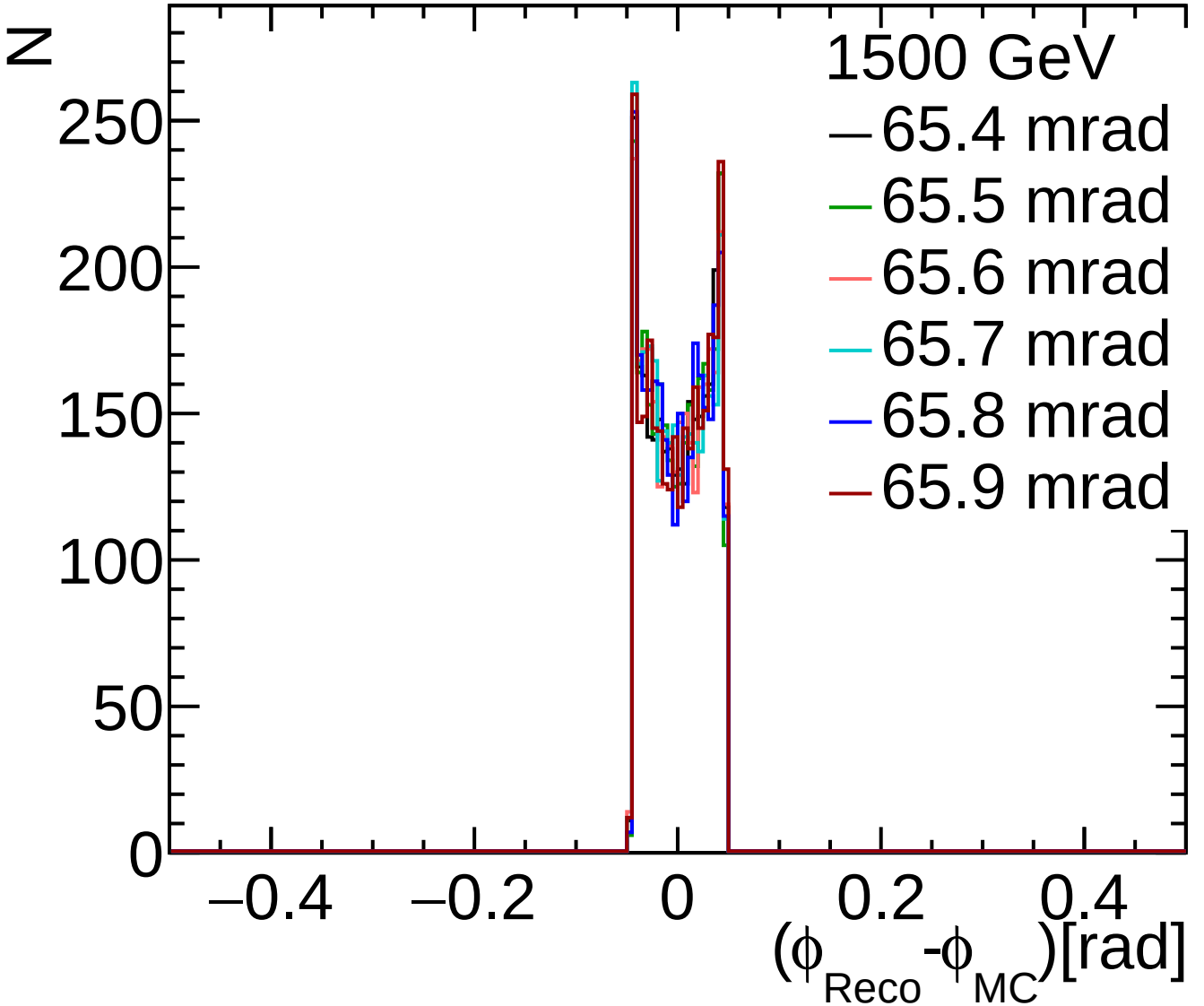

1500 GeV
62.4 mrad
62.5 mrad
62.6 mrad
62.7 mrad
62.8 mrad
62.9 mrad
300
200
100
0
–0.4
–0.2
0
0.2
0.4
$(\phi_{Reco}-\phi_{MC})$[rad]

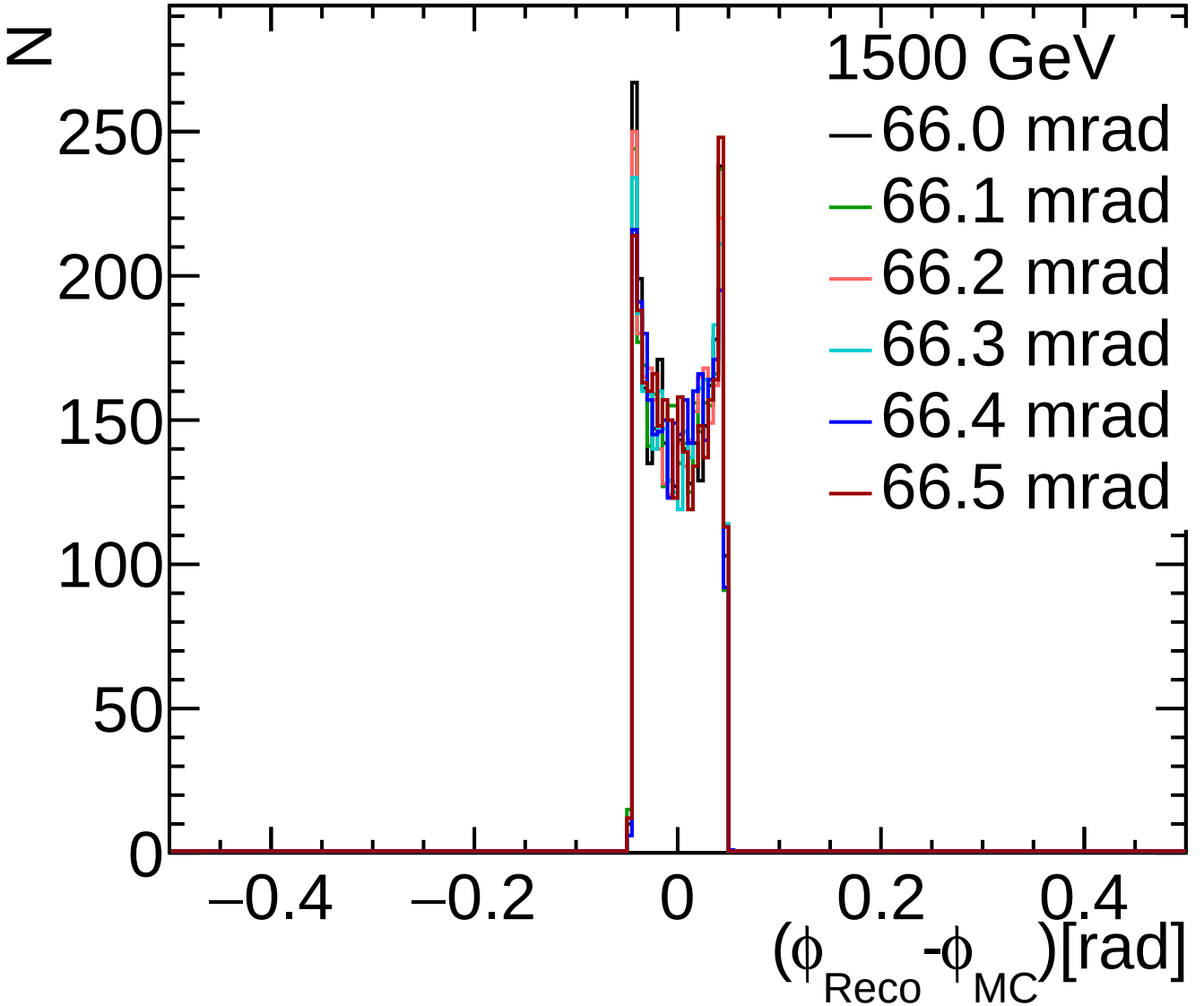

N
250
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
63.0 mrad
63.1 mrad
63.2 mrad
63.3 mrad
63.4 mrad
63.5 mrad

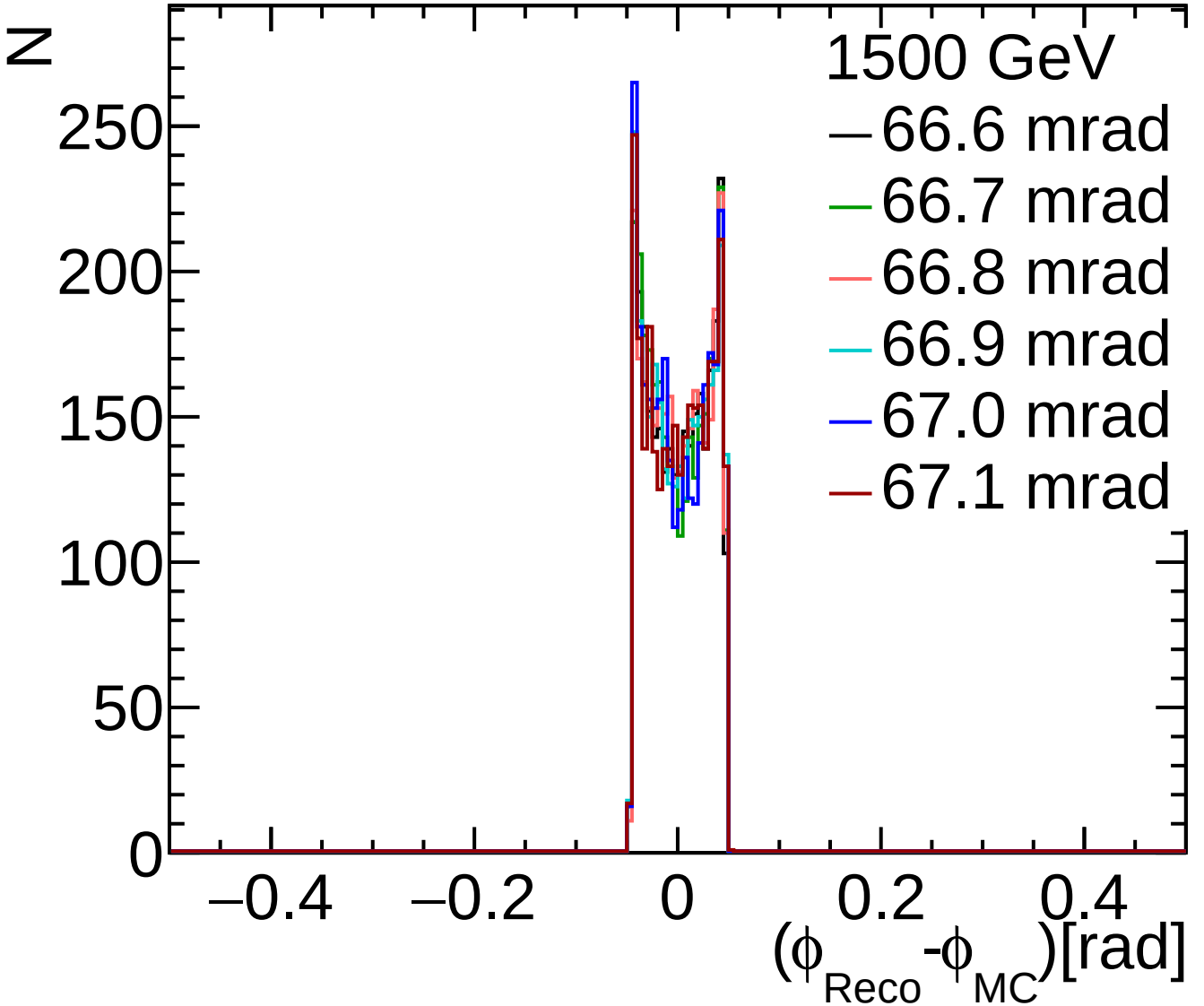

N
250
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
63.6 mrad
63.7 mrad
63.8 mrad
63.9 mrad
64.0 mrad
64.1 mrad

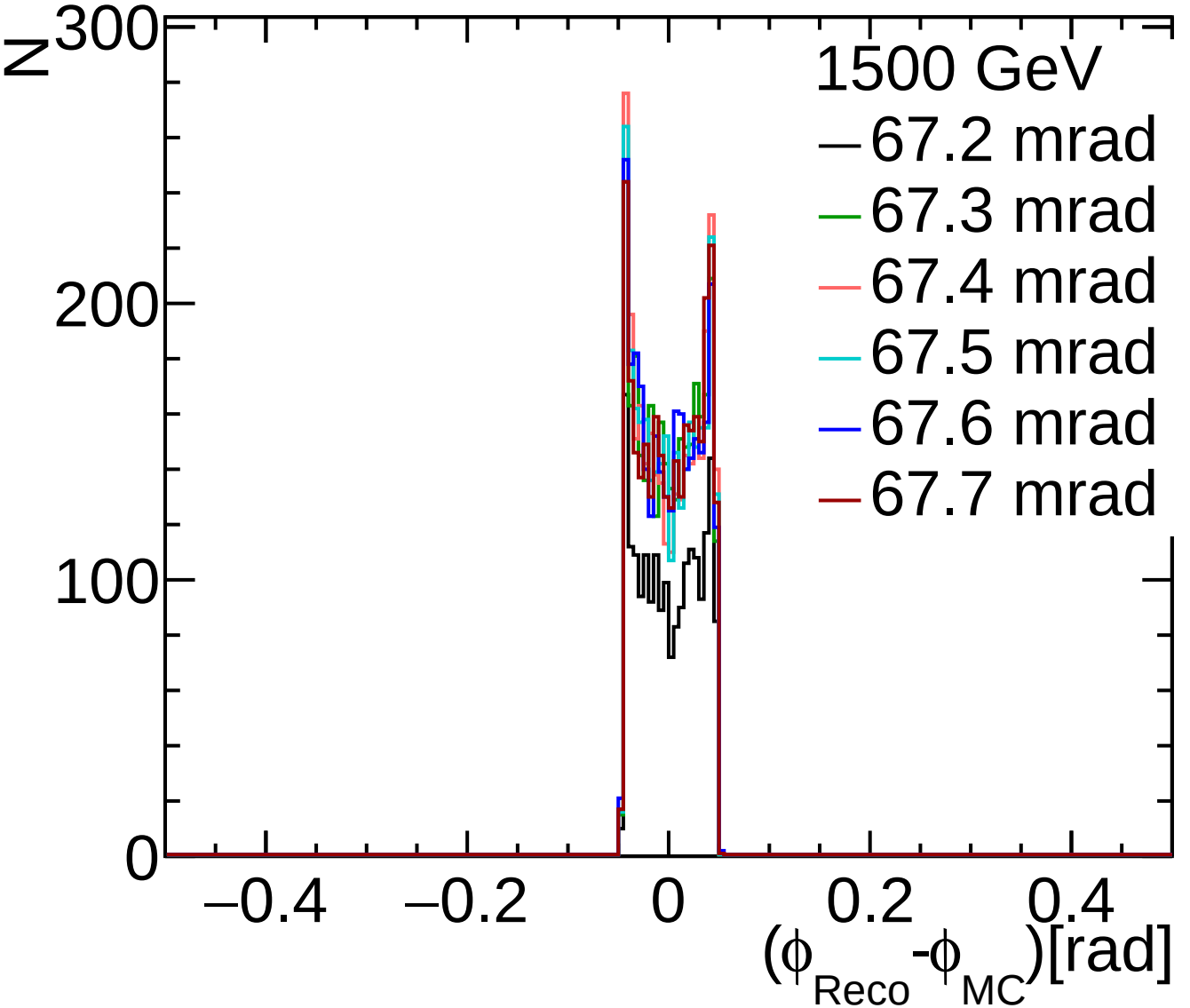

N
300
200
100
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
64.2 mrad
64.3 mrad
64.4 mrad
64.5 mrad
64.6 mrad
64.7 mrad

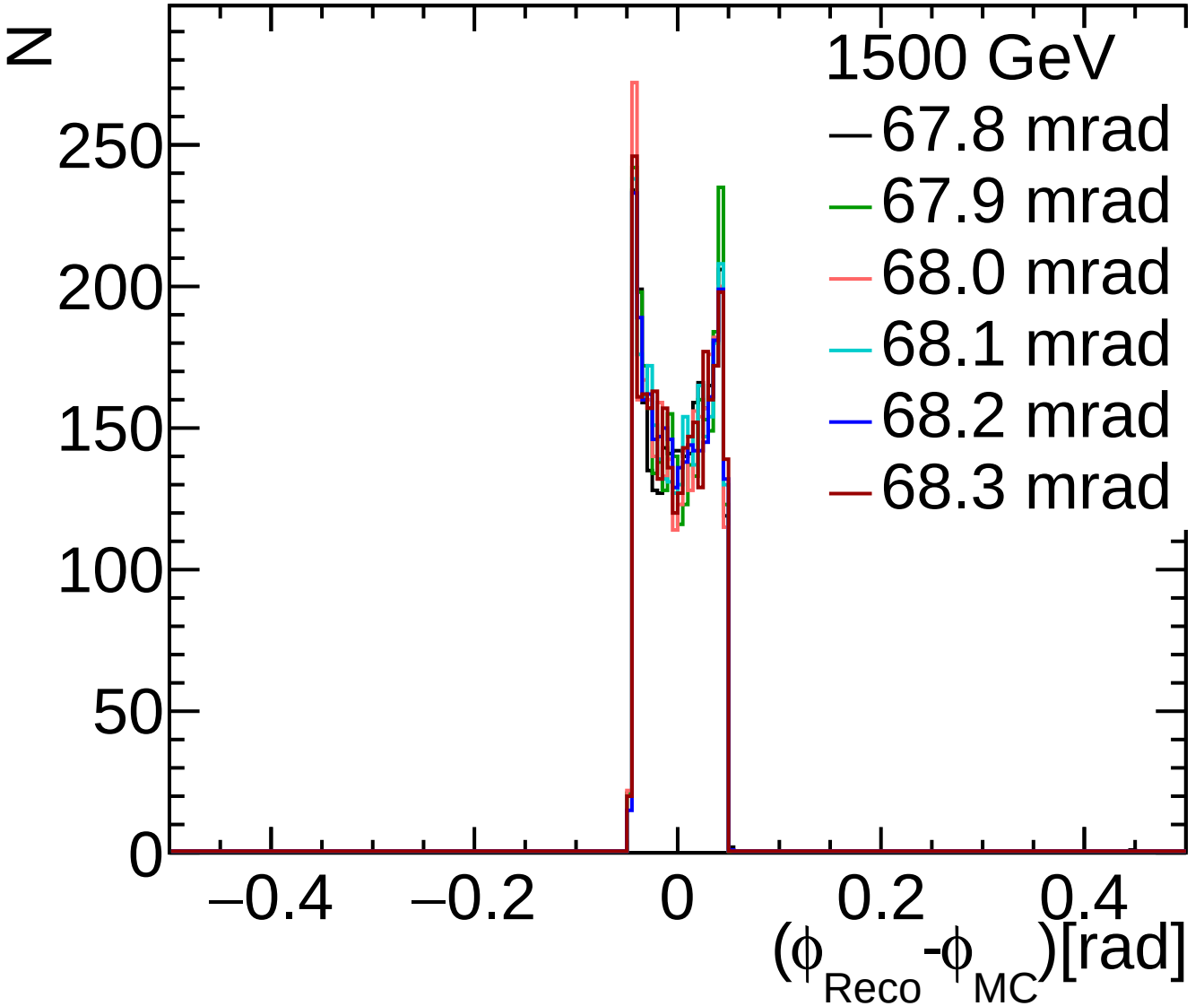

N
250
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
64.8 mrad
64.9 mrad
65.0 mrad
65.1 mrad
65.2 mrad
65.3 mrad

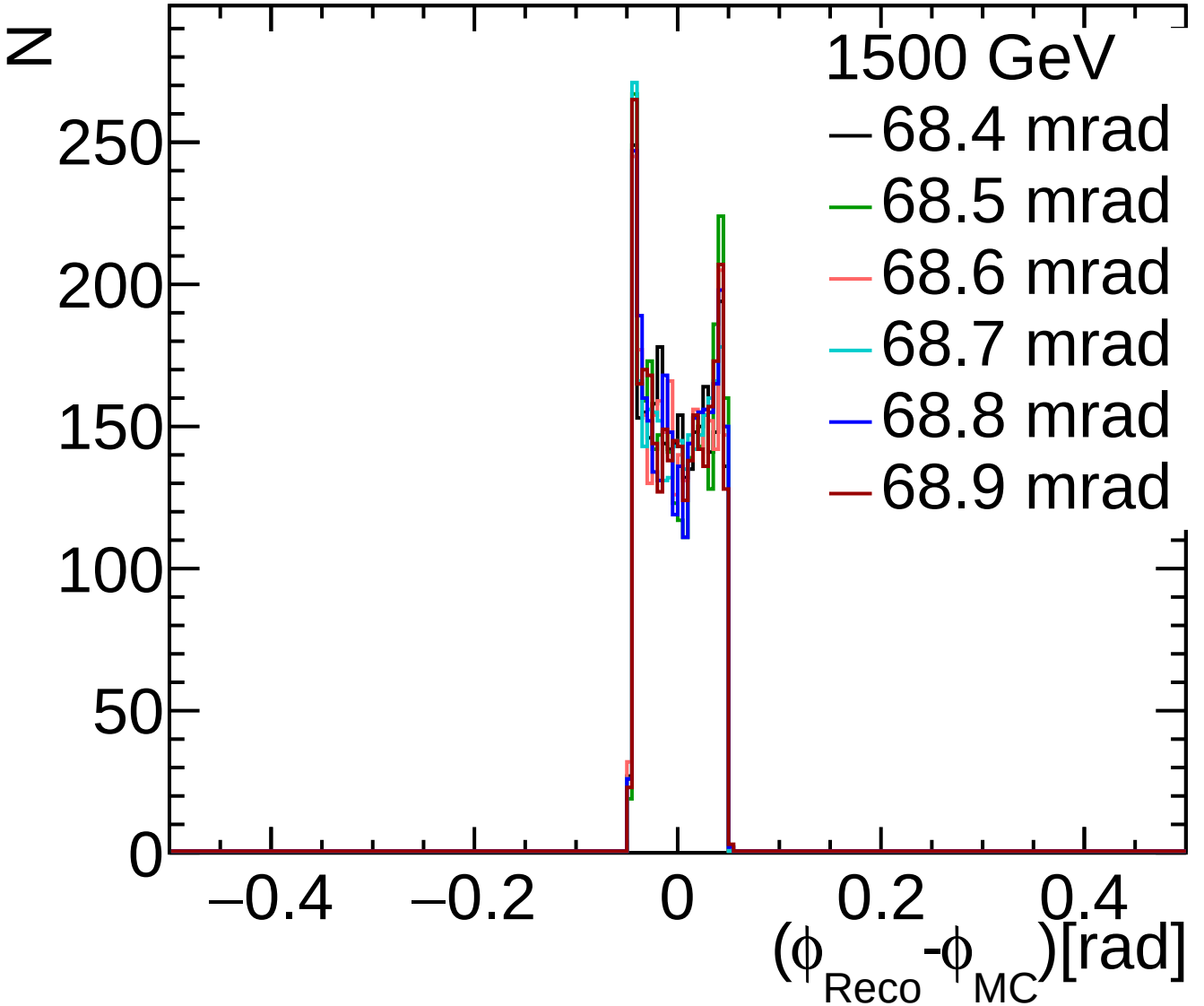

N
250
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
65.4 mrad
65.5 mrad
65.6 mrad
65.7 mrad
65.8 mrad
65.9 mrad

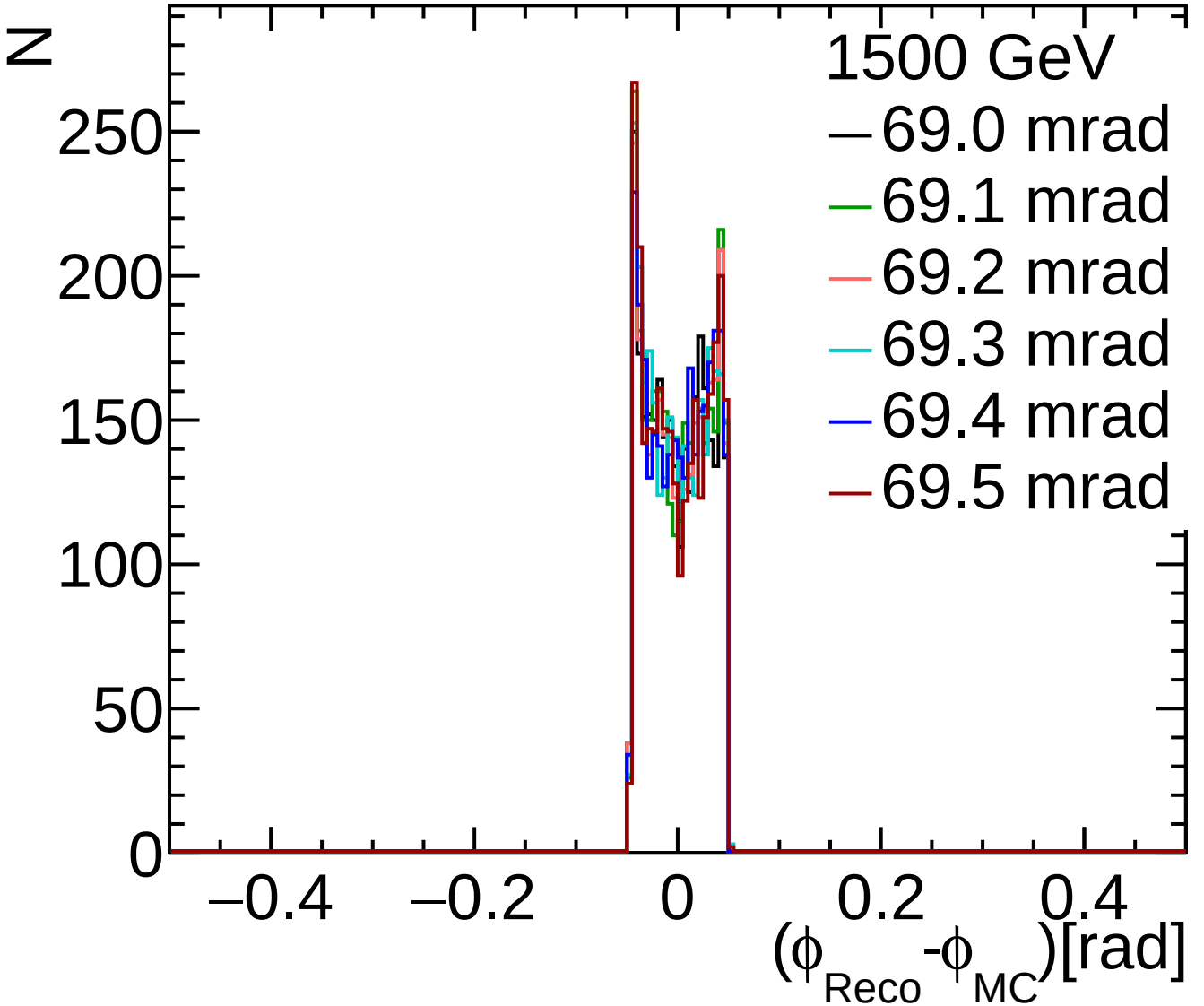

N
250
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
66.0 mrad
66.1 mrad
66.2 mrad
66.3 mrad
66.4 mrad
66.5 mrad

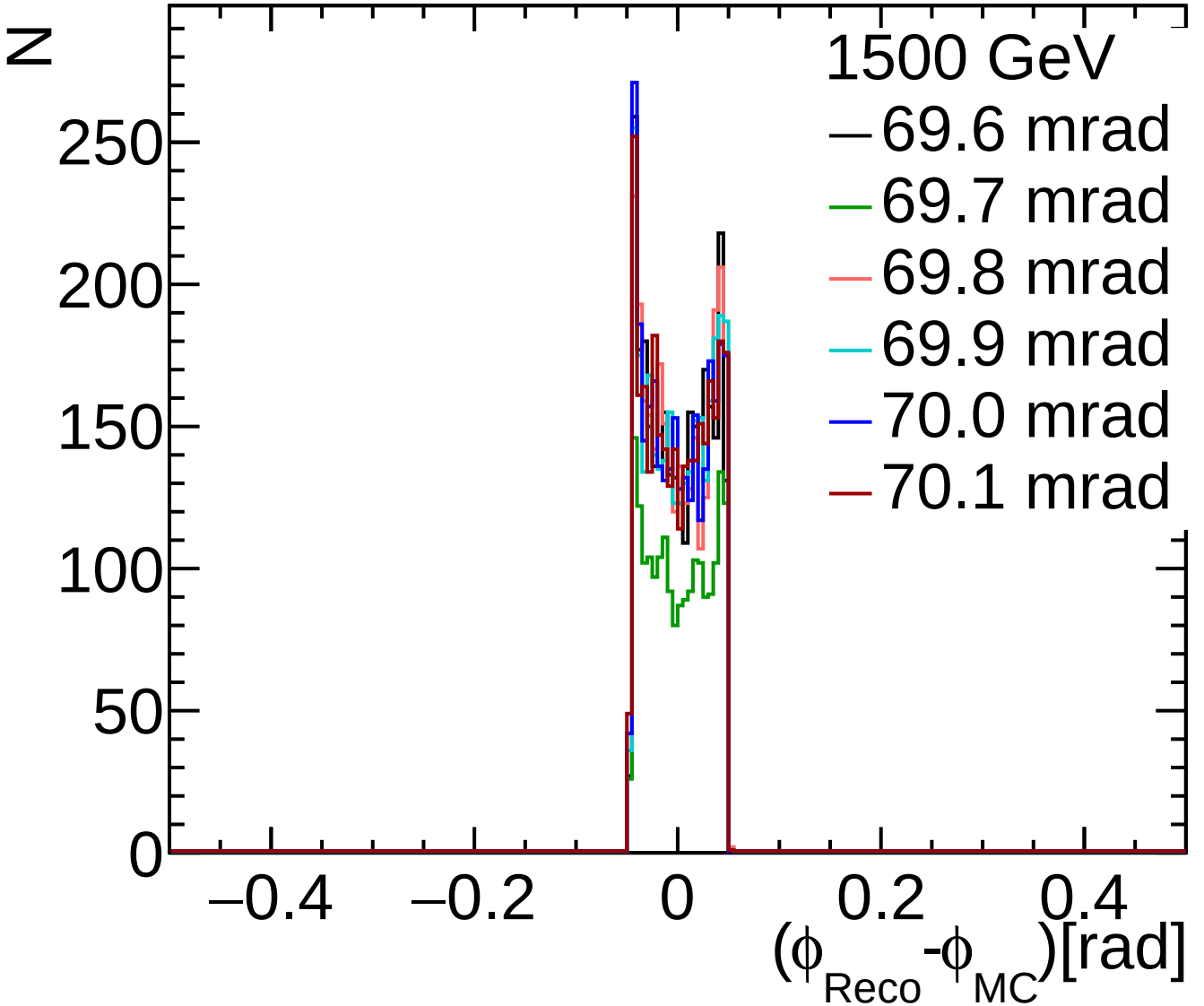

N
250
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
66.6 mrad
66.7 mrad
66.8 mrad
66.9 mrad
67.0 mrad
67.1 mrad

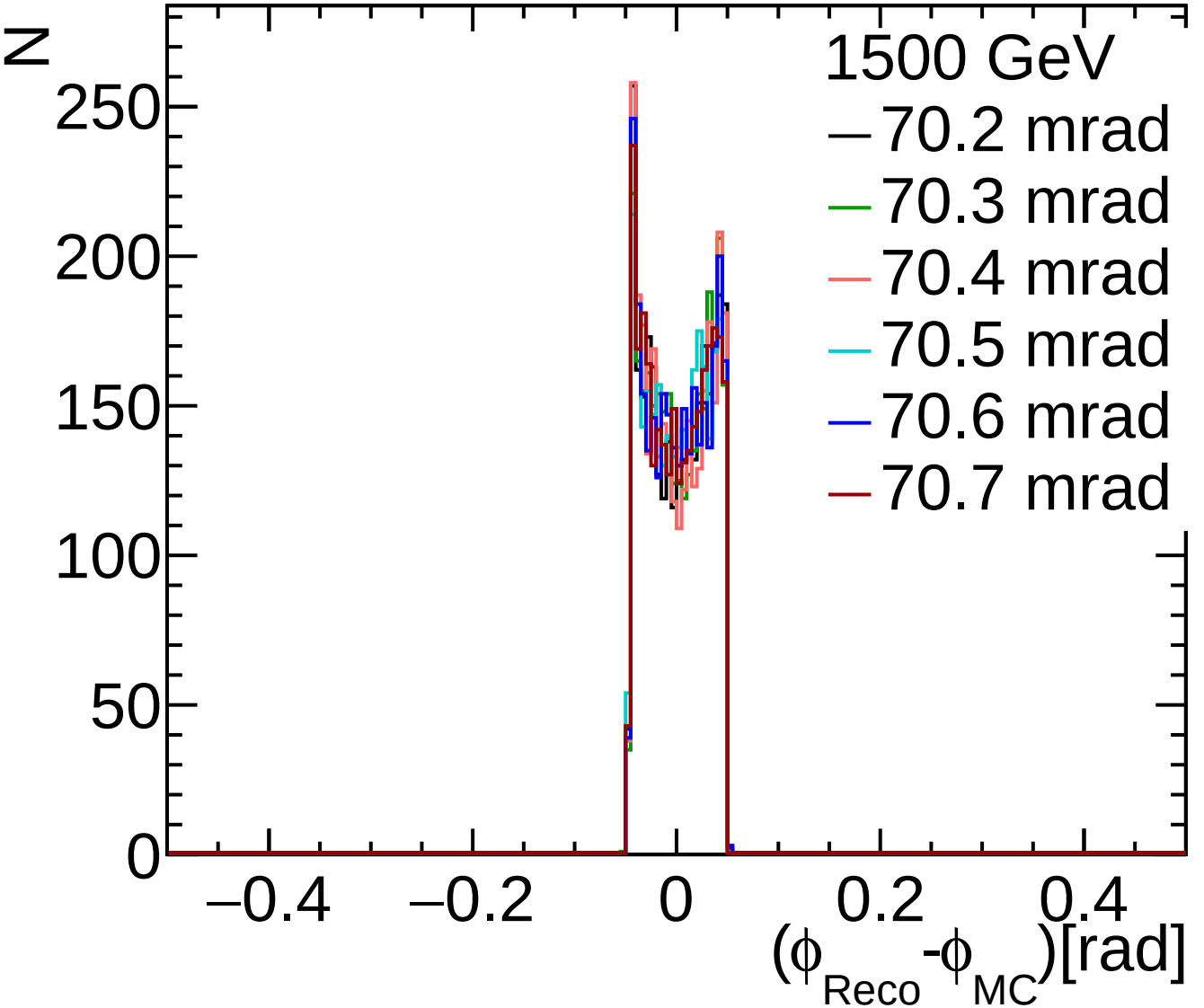

N
300
200
100
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
67.2 mrad
67.3 mrad
67.4 mrad
67.5 mrad
67.6 mrad
67.7 mrad

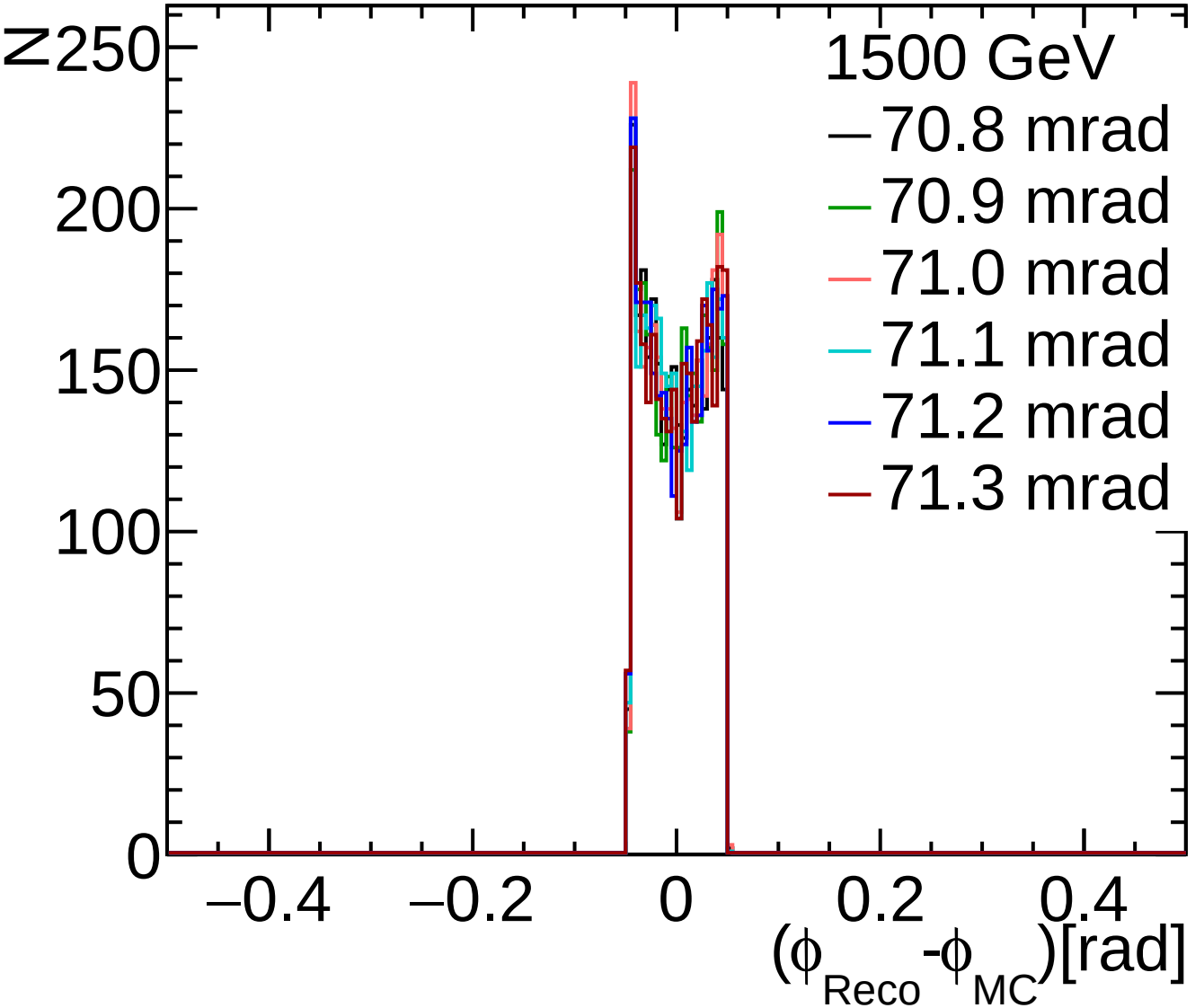

N
250
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
67.8 mrad
67.9 mrad
68.0 mrad
68.1 mrad
68.2 mrad
68.3 mrad

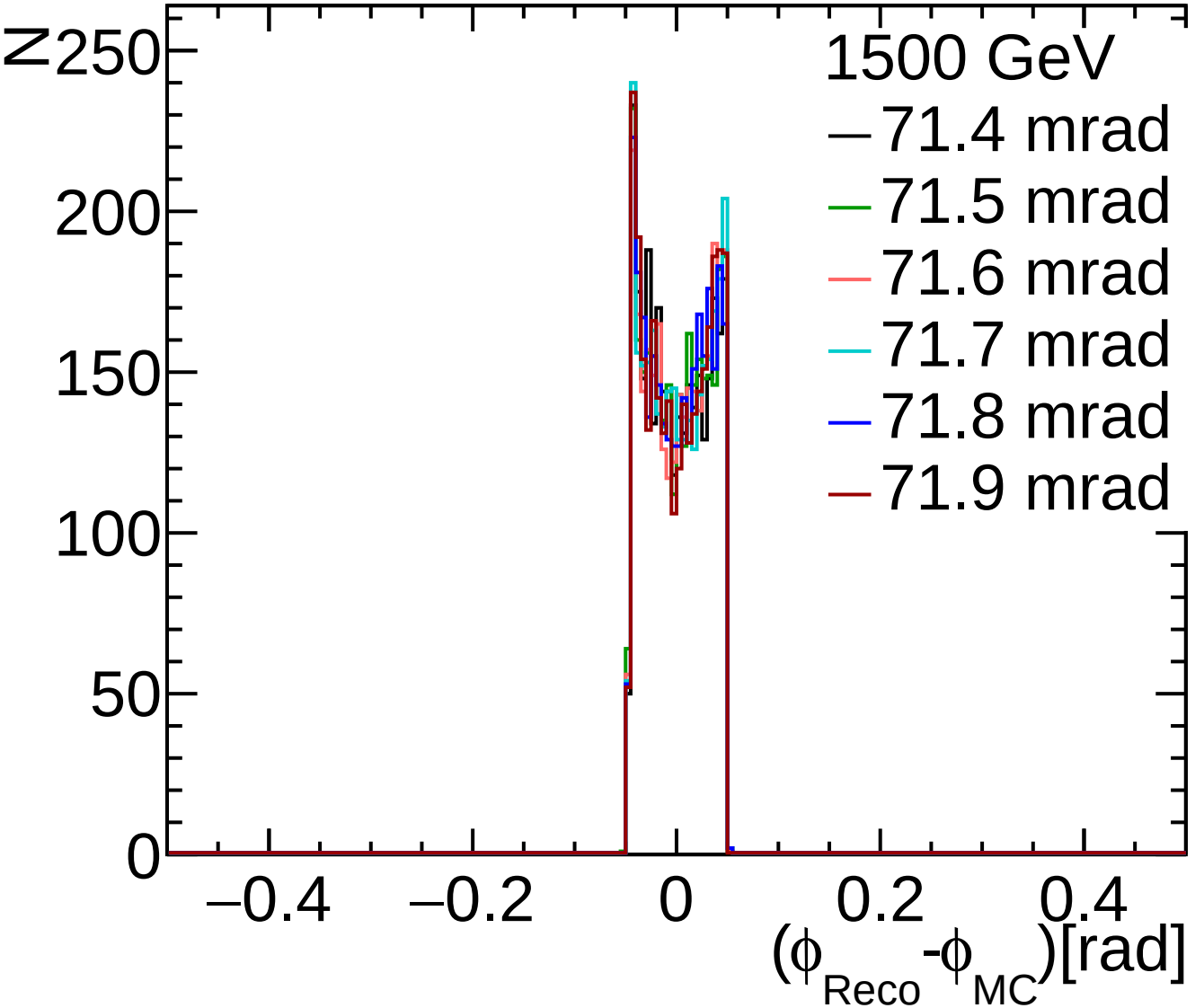

N
250
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
68.4 mrad
68.5 mrad
68.6 mrad
68.7 mrad
68.8 mrad
68.9 mrad

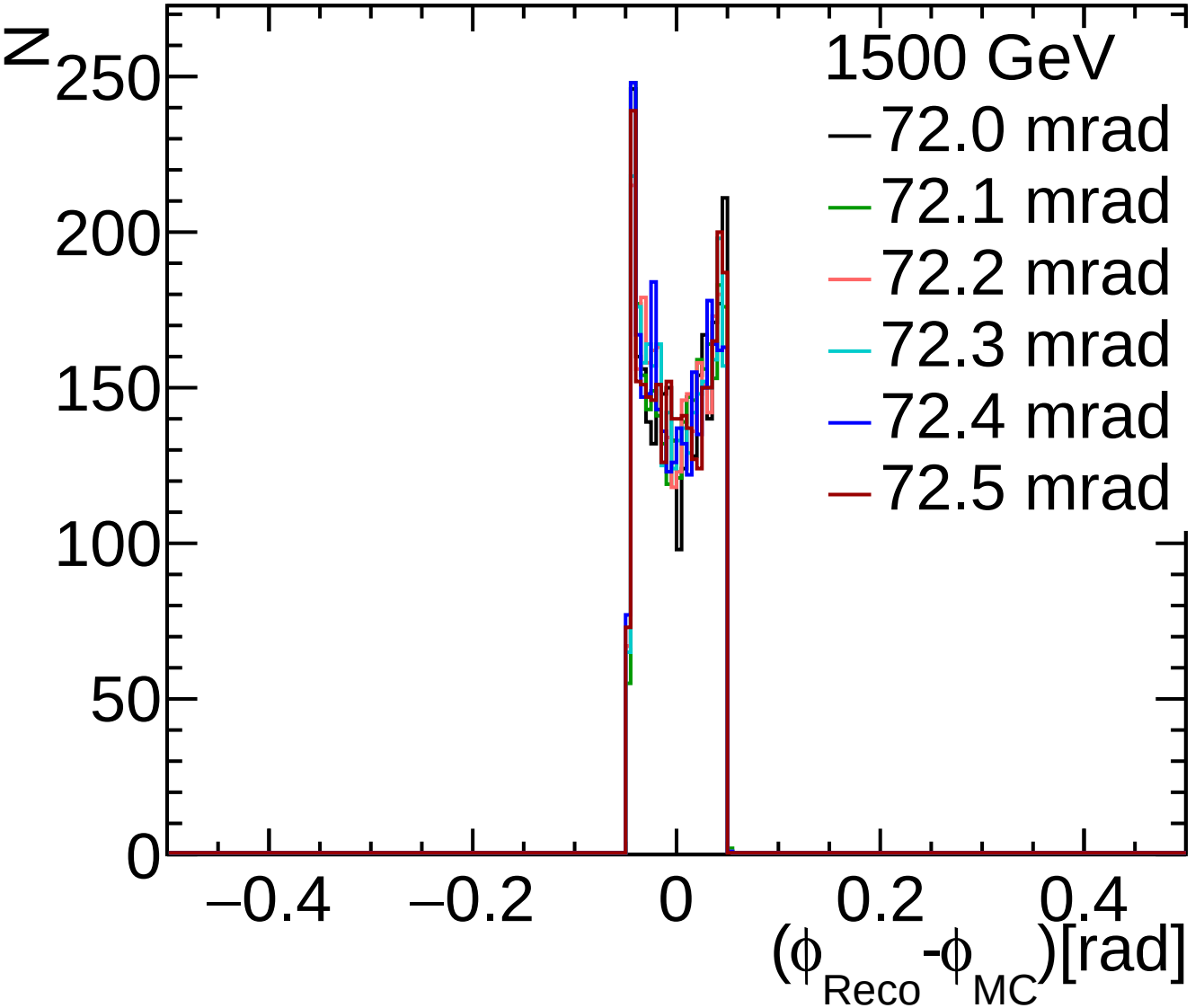

N
250
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
69.0 mrad
69.1 mrad
69.2 mrad
69.3 mrad
69.4 mrad
69.5 mrad

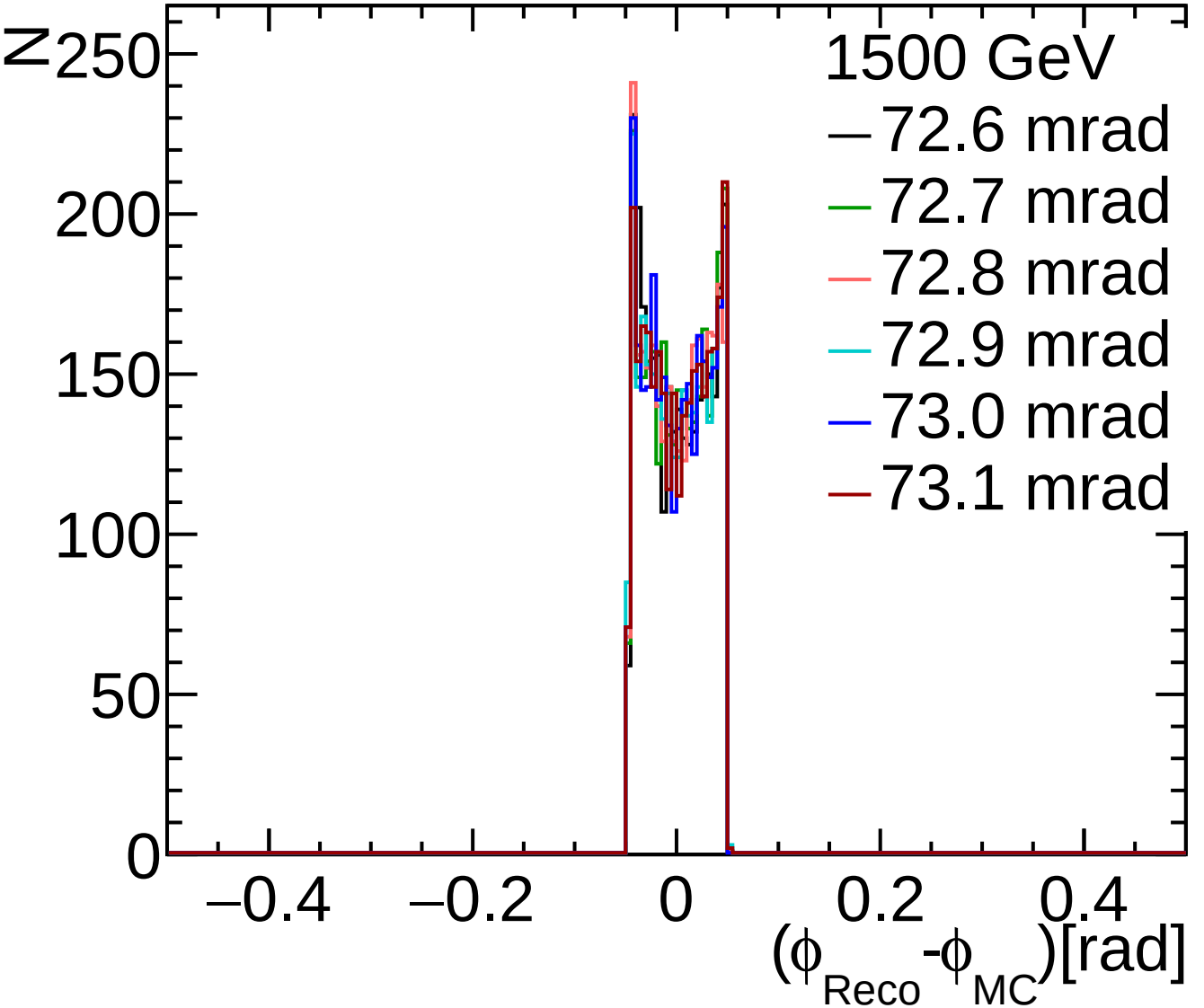

N
250
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
69.6 mrad
69.7 mrad
69.8 mrad
69.9 mrad
70.0 mrad
70.1 mrad

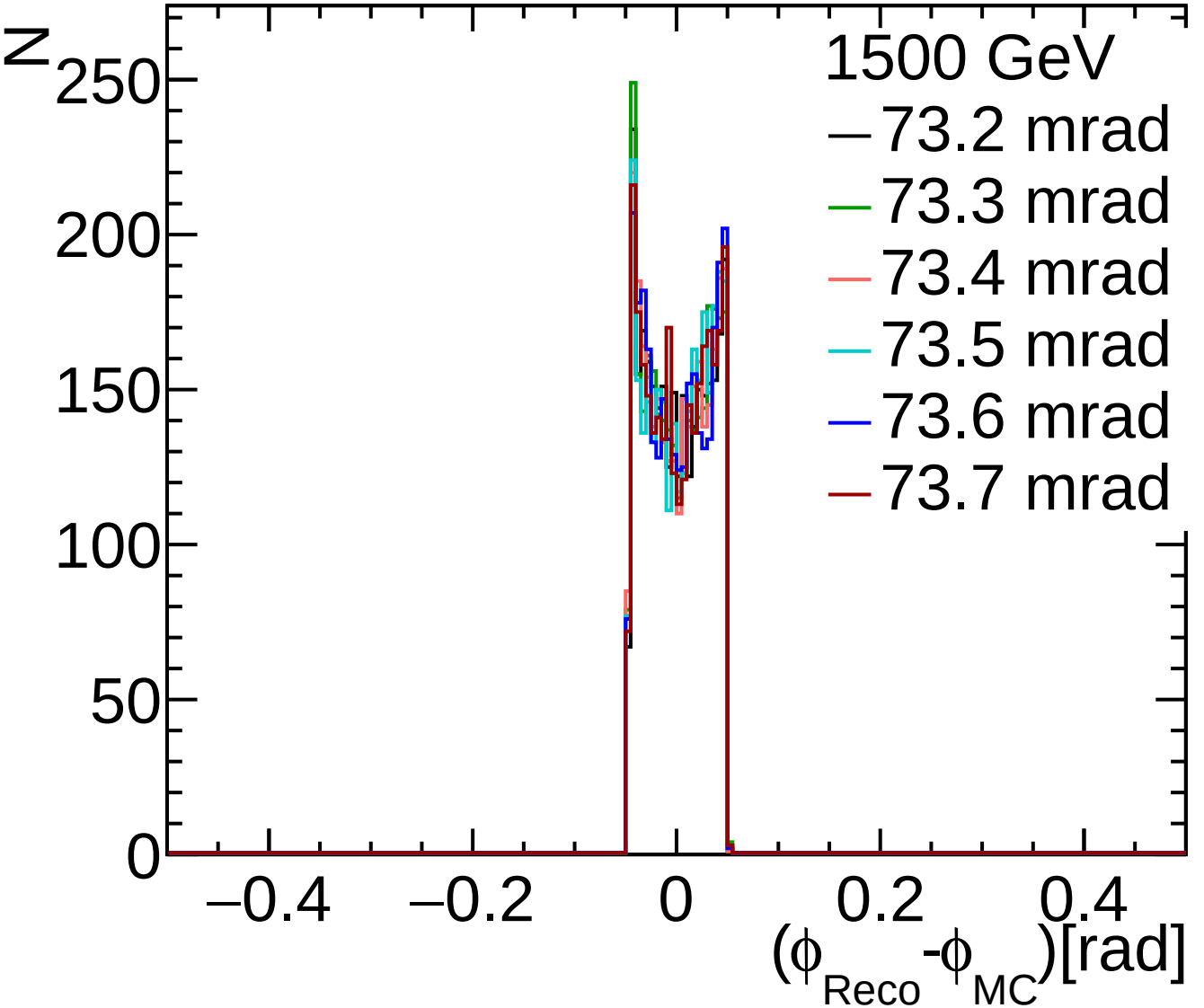

N
250
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
70.2 mrad
70.3 mrad
70.4 mrad
70.5 mrad
70.6 mrad
70.7 mrad

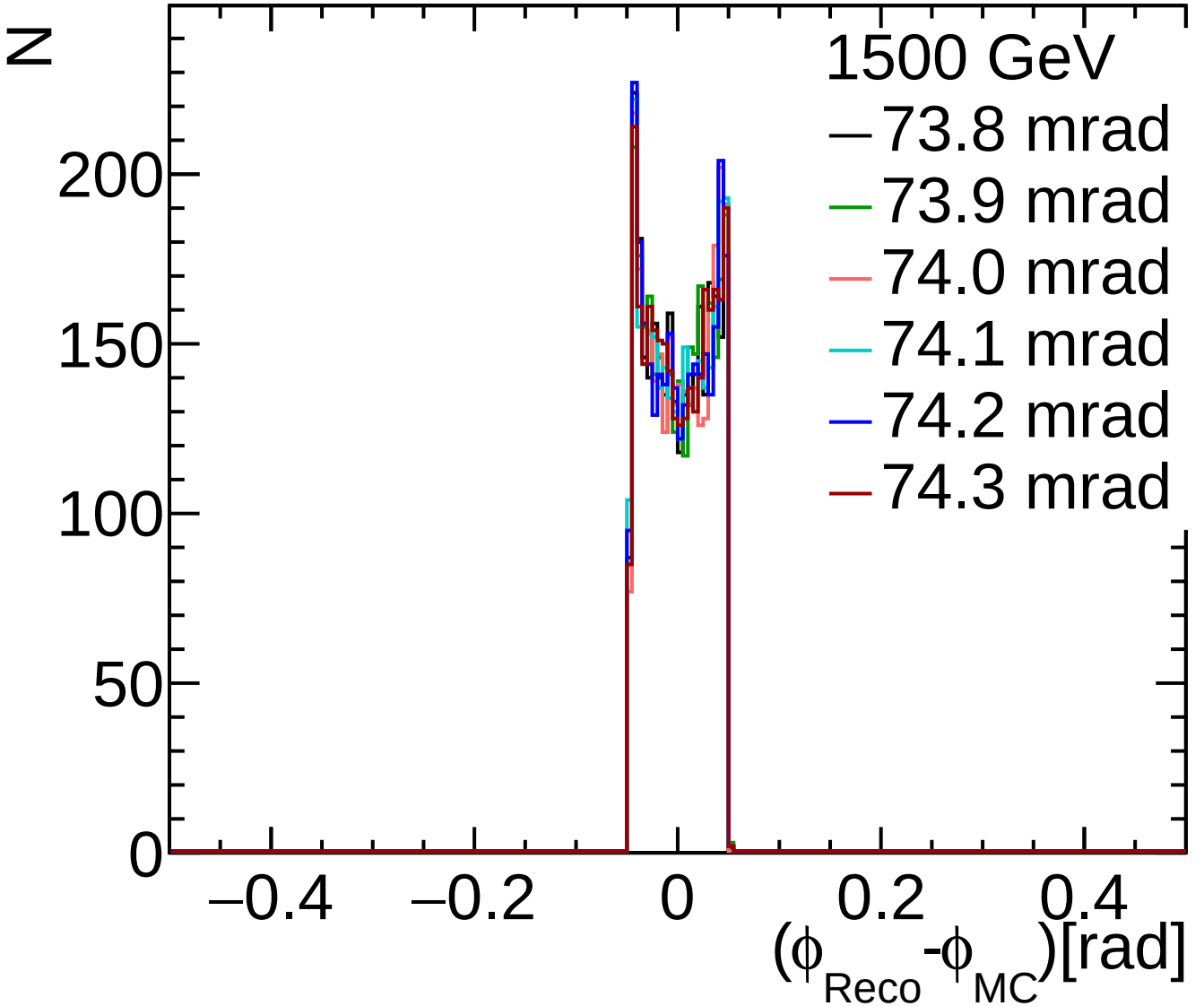

N
250
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
70.8 mrad
70.9 mrad
71.0 mrad
71.1 mrad
71.2 mrad
71.3 mrad

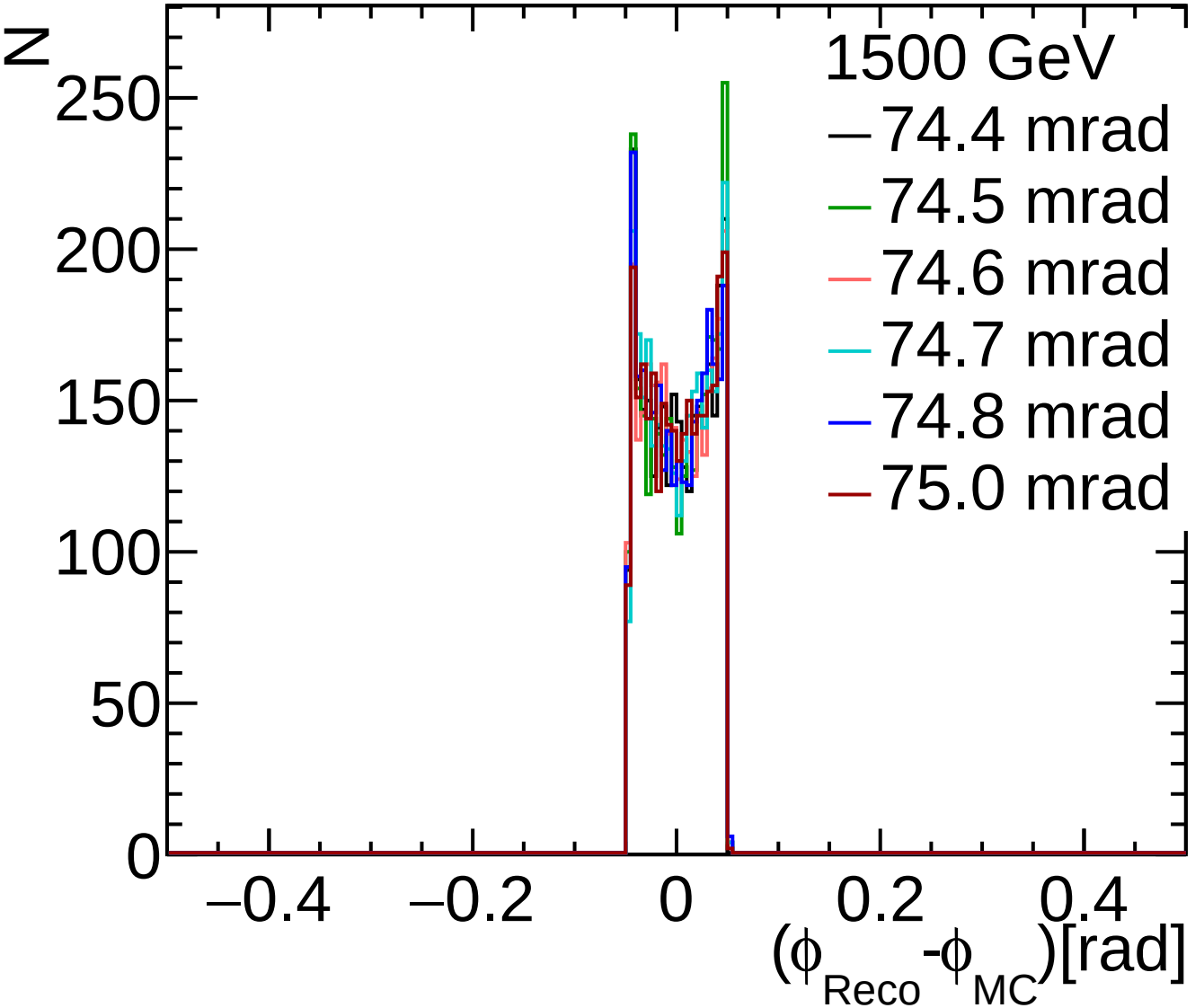

N
250
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
71.4 mrad
71.5 mrad
71.6 mrad
71.7 mrad
71.8 mrad
71.9 mrad

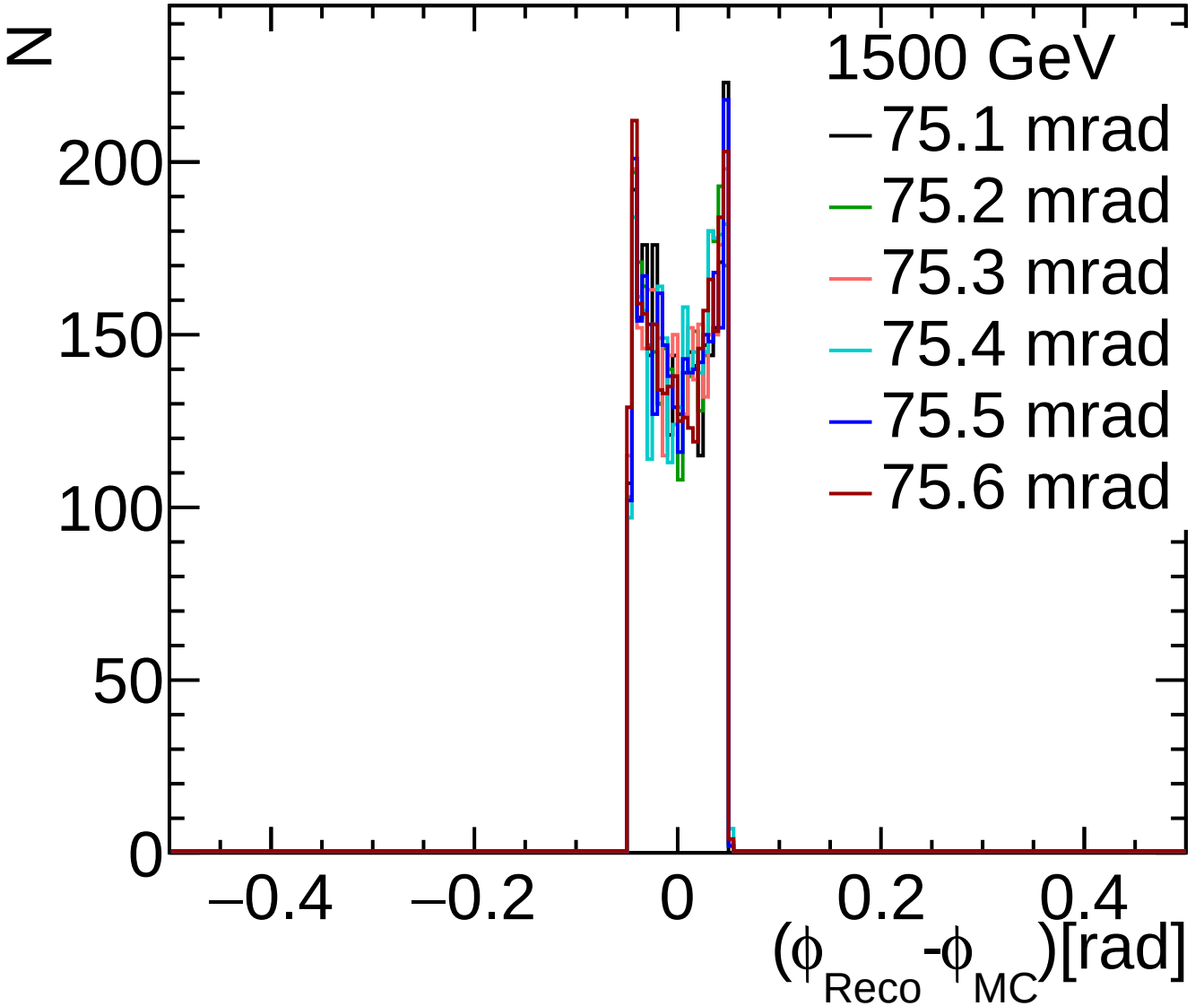

N
250
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
72.0 mrad
72.1 mrad
72.2 mrad
72.3 mrad
72.4 mrad
72.5 mrad

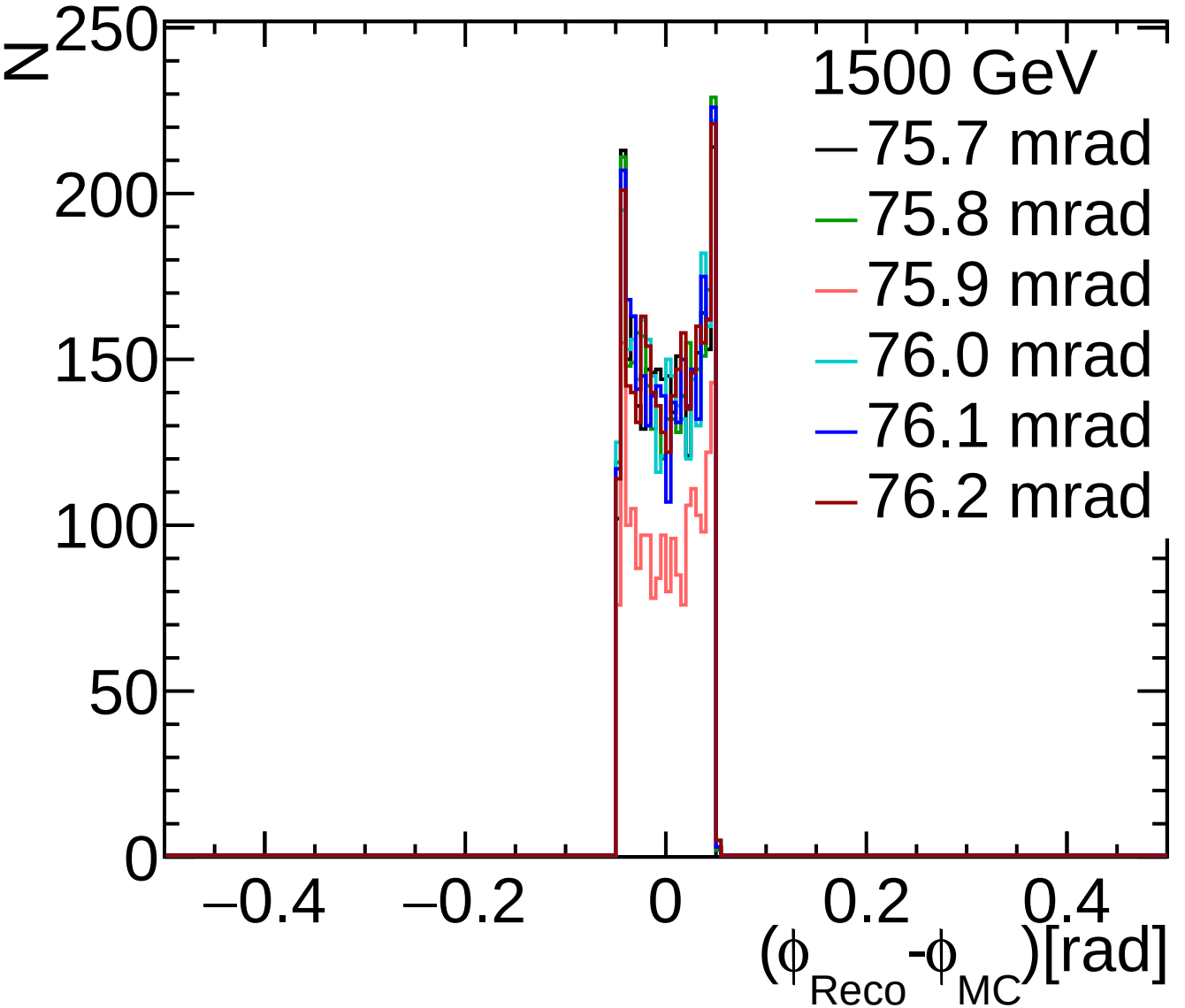

N
250
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
72.6 mrad
72.7 mrad
72.8 mrad
72.9 mrad
73.0 mrad
73.1 mrad

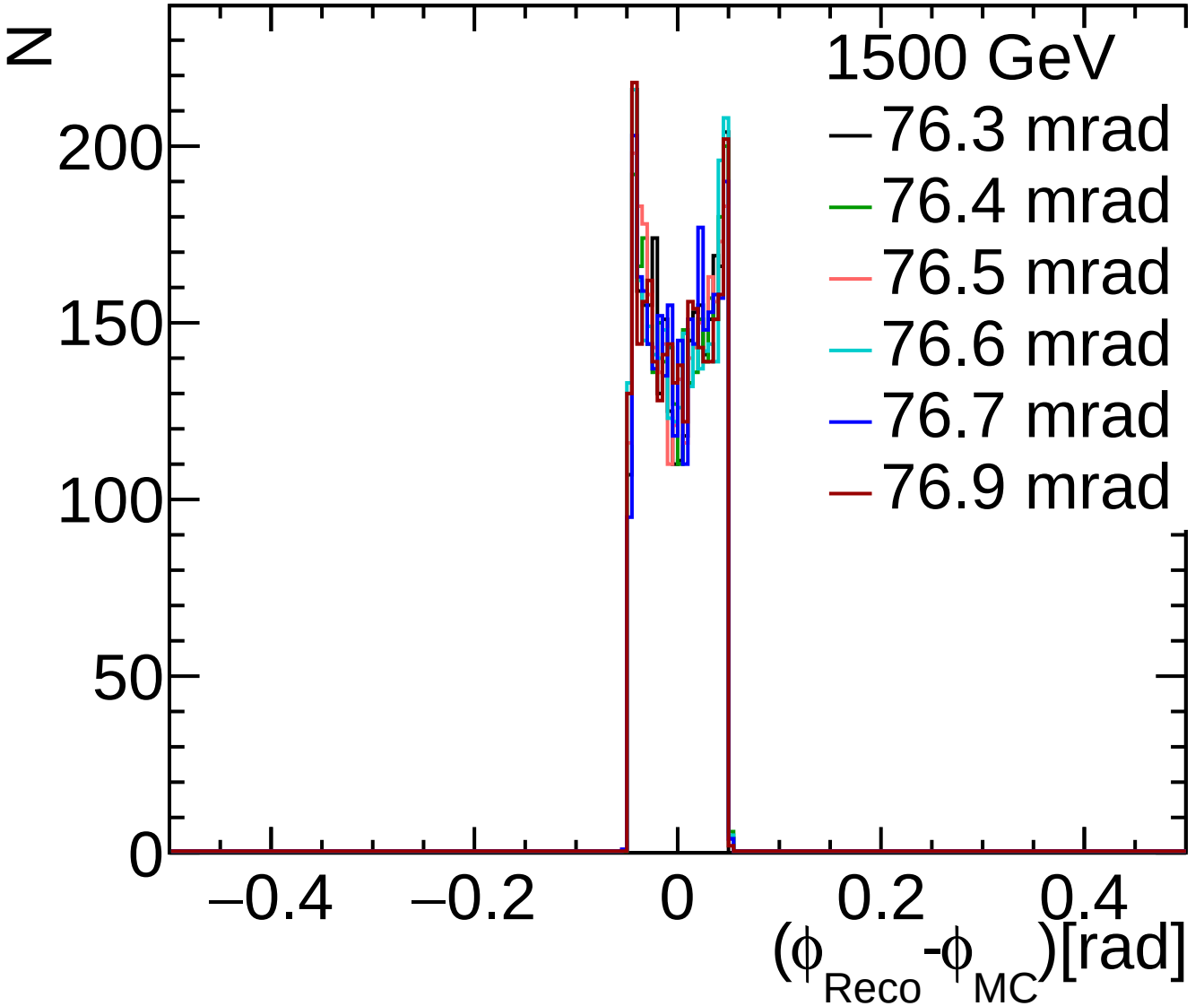

N
250
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
73.2 mrad
73.3 mrad
73.4 mrad
73.5 mrad
73.6 mrad
73.7 mrad

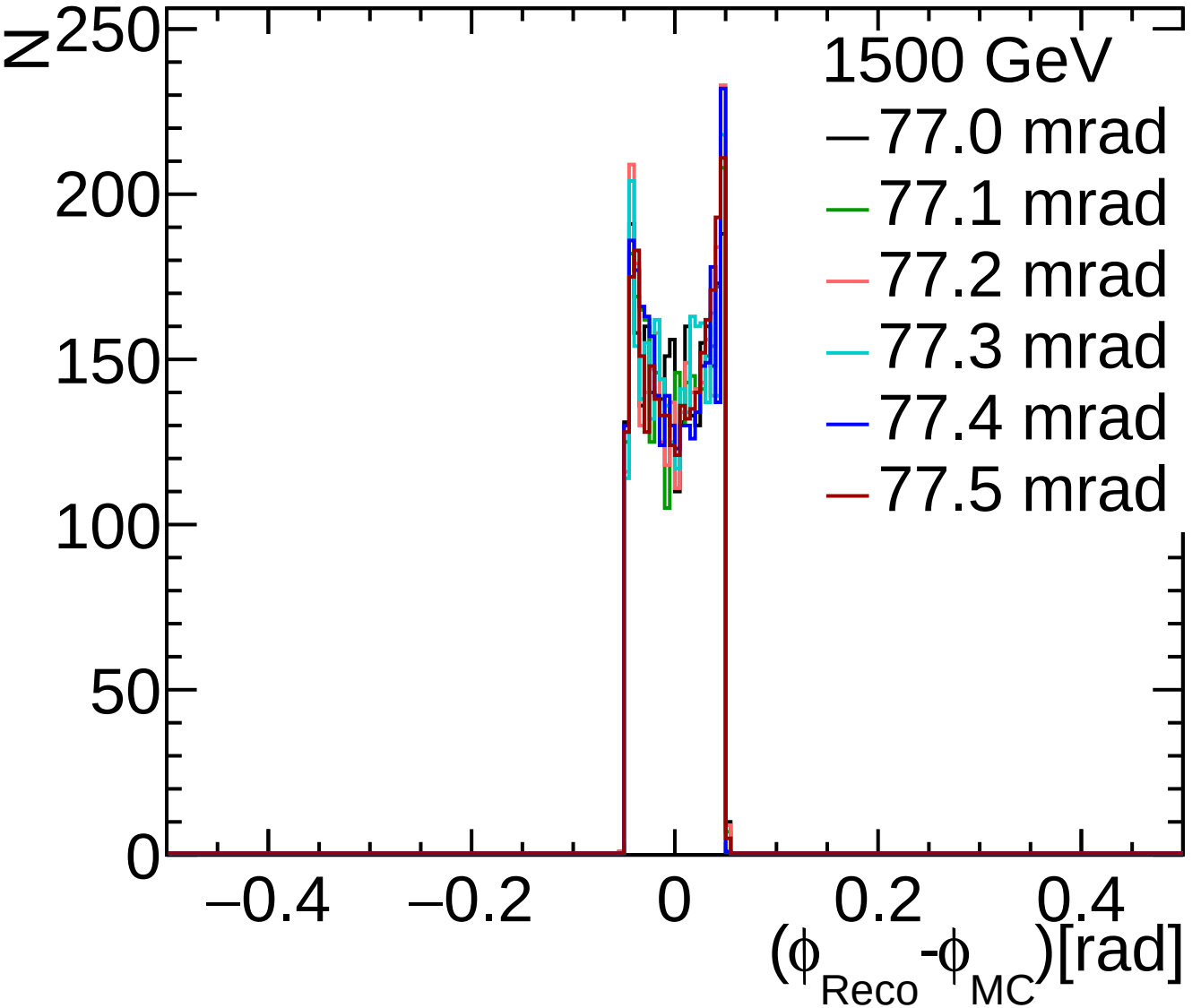

N
1500 GeV
73.8 mrad
73.9 mrad
74.0 mrad
74.1 mrad
74.2 mrad
74.3 mrad
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]

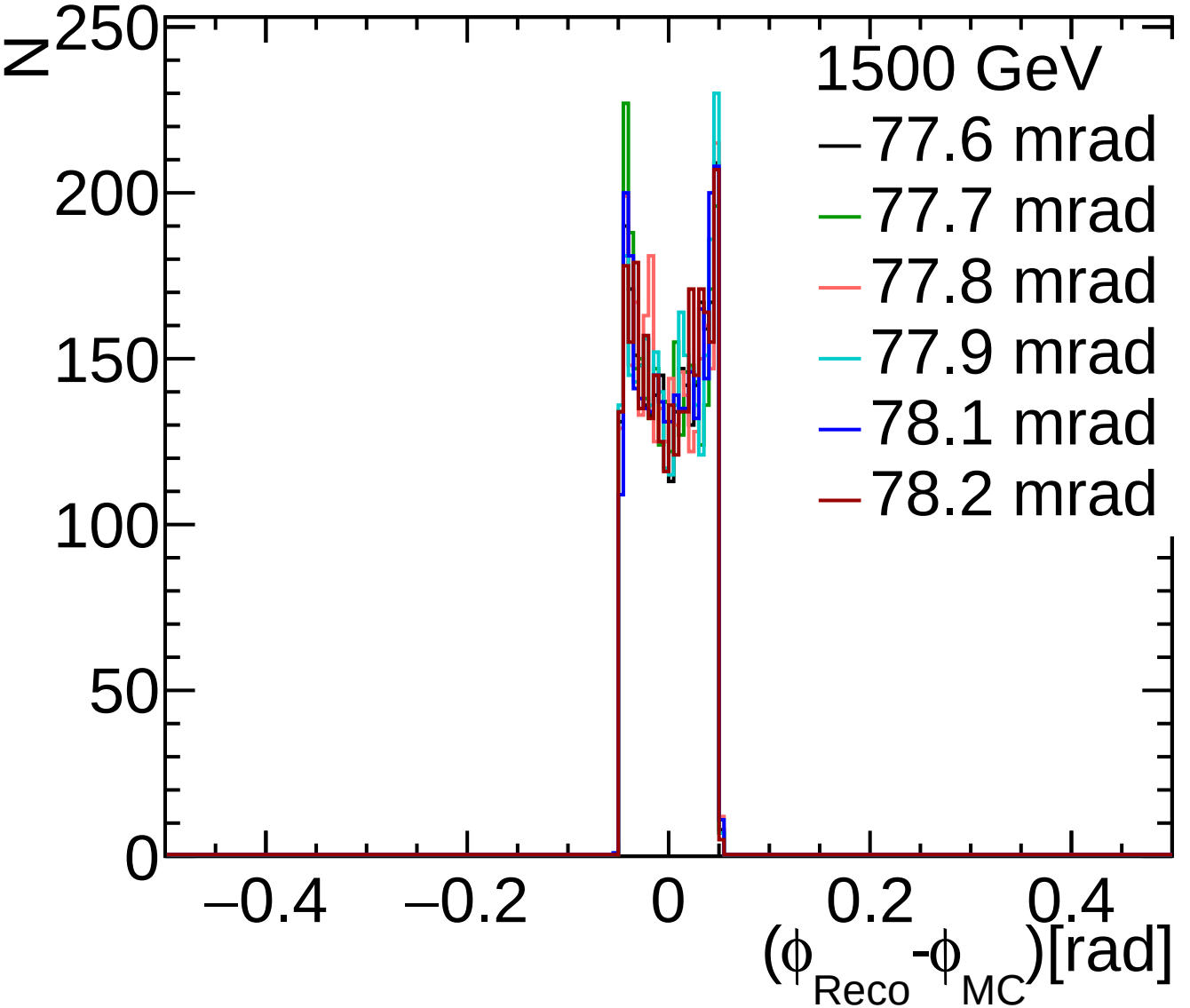

N
250
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
74.4 mrad
74.5 mrad
74.6 mrad
74.7 mrad
74.8 mrad
75.0 mrad

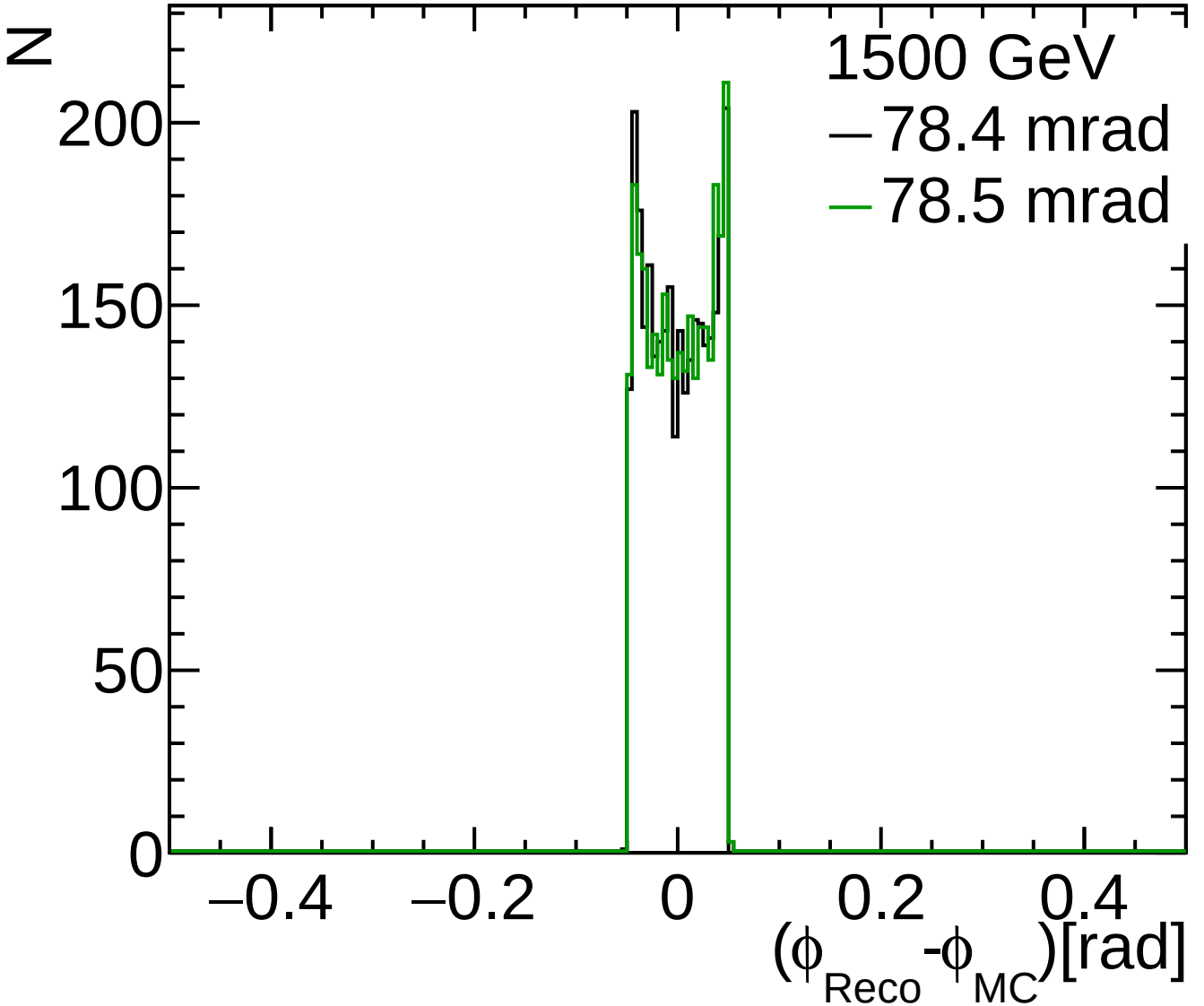

N
1500 GeV
75.1 mrad
75.2 mrad
75.3 mrad
75.4 mrad
75.5 mrad
75.6 mrad
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]

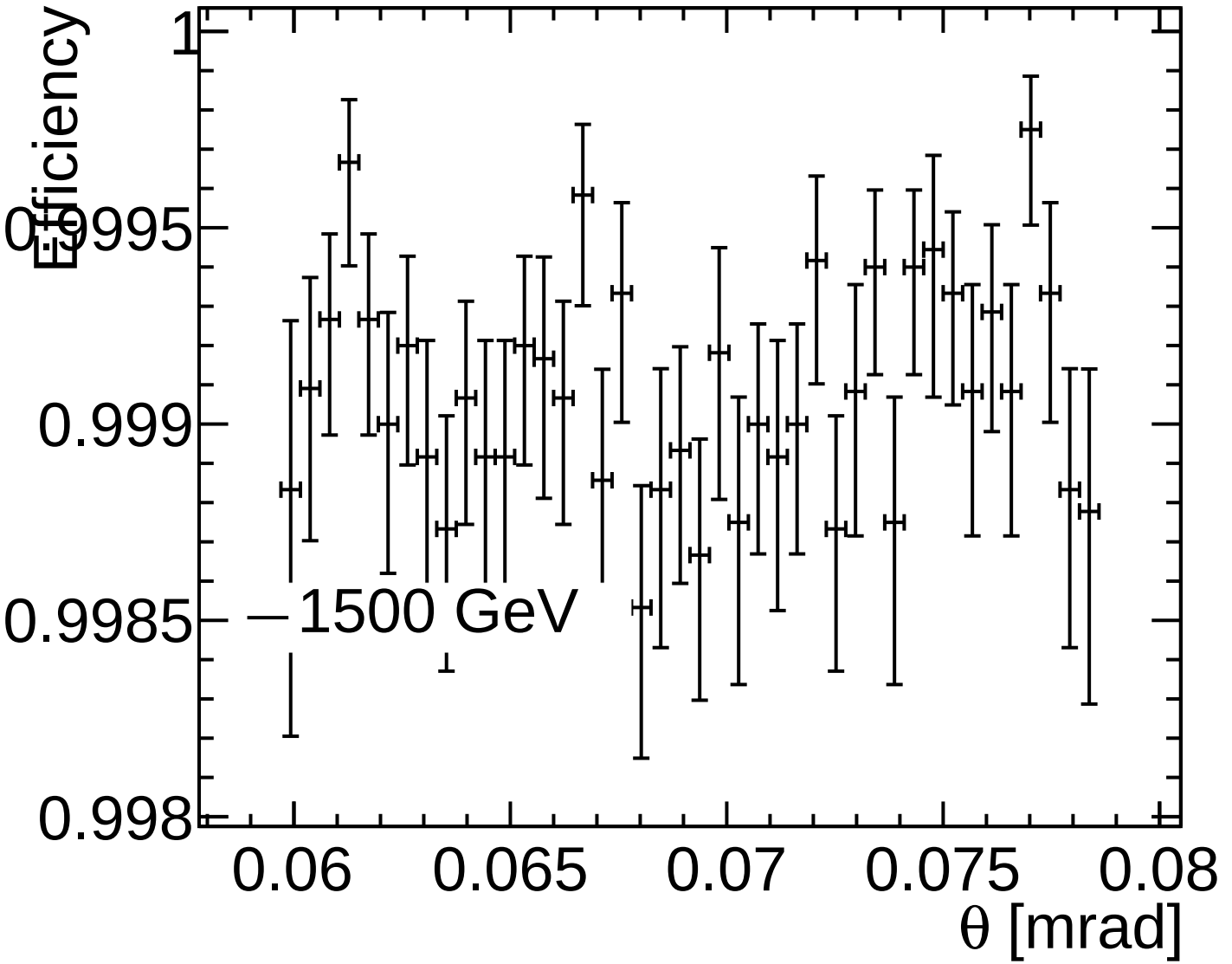

N
250
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
75.7 mrad
75.8 mrad
75.9 mrad
76.0 mrad
76.1 mrad
76.2 mrad


N
1500 GeV
76.3 mrad
76.4 mrad
76.5 mrad
76.6 mrad
76.7 mrad
76.9 mrad
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]


N
250
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
77.0 mrad
77.1 mrad
77.2 mrad
77.3 mrad
77.4 mrad
77.5 mrad


N
250
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
77.6 mrad
77.7 mrad
77.8 mrad
77.9 mrad
78.1 mrad
78.2 mrad


N
200
150
100
50
0
–0.4
–0.2
0
0.2
0.4
(ϕ_Reco-ϕ_MC)[rad]
1500 GeV
78.4 mrad
78.5 mrad


Efficiency
1
0.9995
0.999
0.9985
0.998
1500 GeV
0.06
0.065
0.07
0.075
0.08
θ [mrad]