

Program Complot  
(Version 2015-2)

by

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(Present Contact Information)

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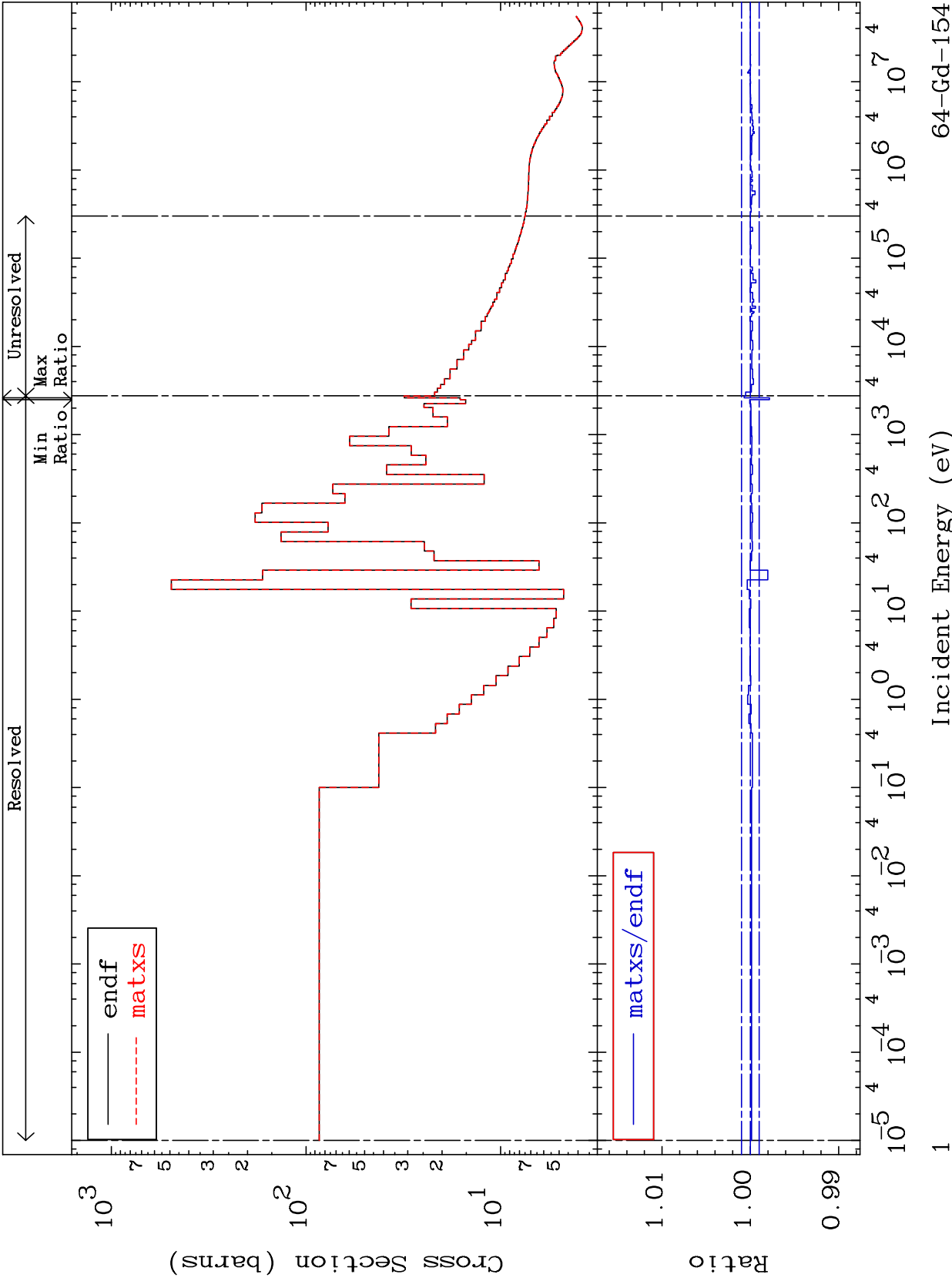
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [home.comcast.net/~redcullen1](http://home.comcast.net/~redcullen1)

Press Mouse Button to Start

MAT 6431

Total  
Cross Section

64-Gd-154  
-0.216 To 0.069 %

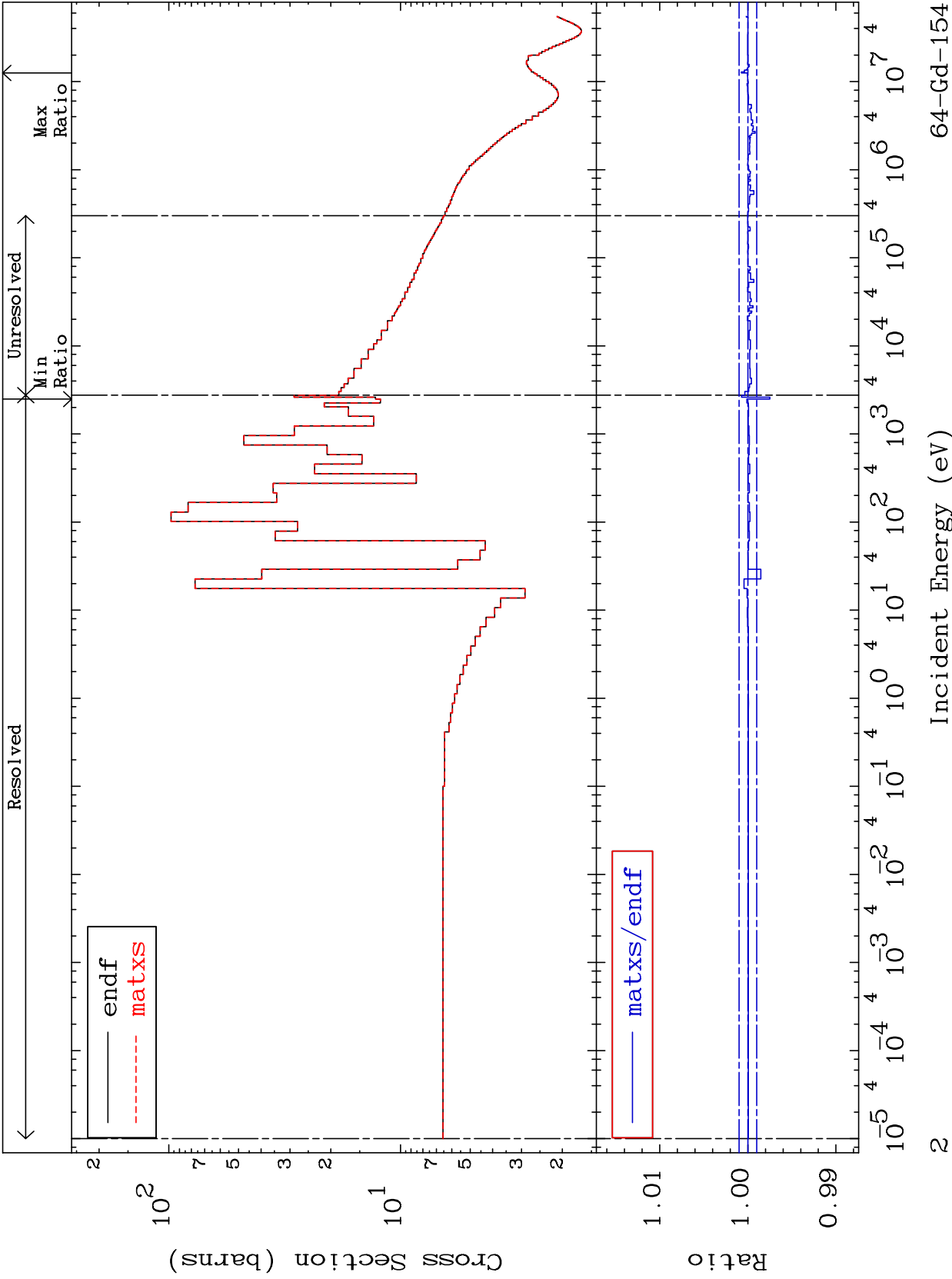


64-Gd-154

MAT 6431

### Elastic Cross Section

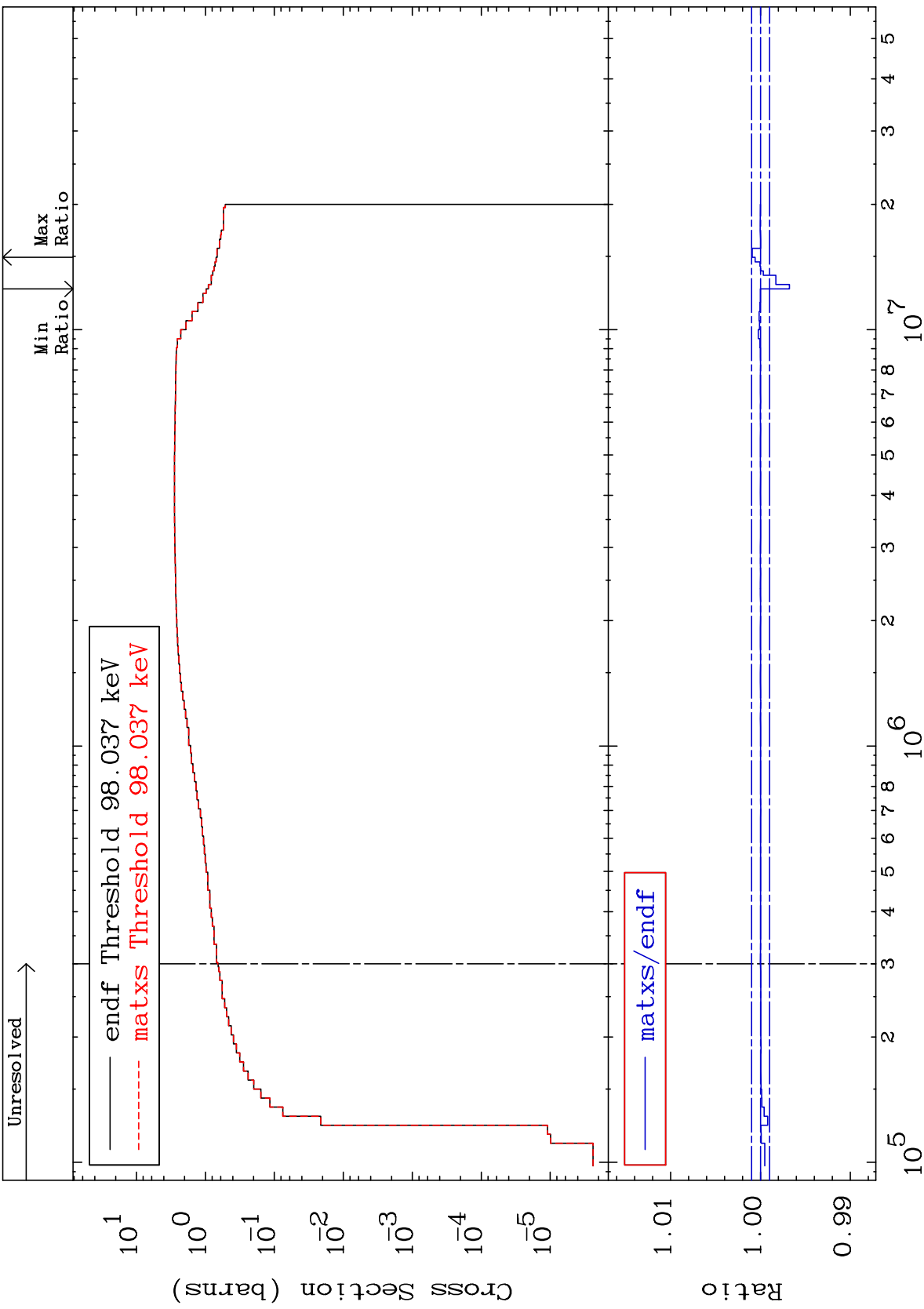
64-Gd-154  
-0.250 To 0.073 %



MAT 6431

Inelastic  
Cross Section

64-Gd-154  
-0.321 To 0.093 %



3

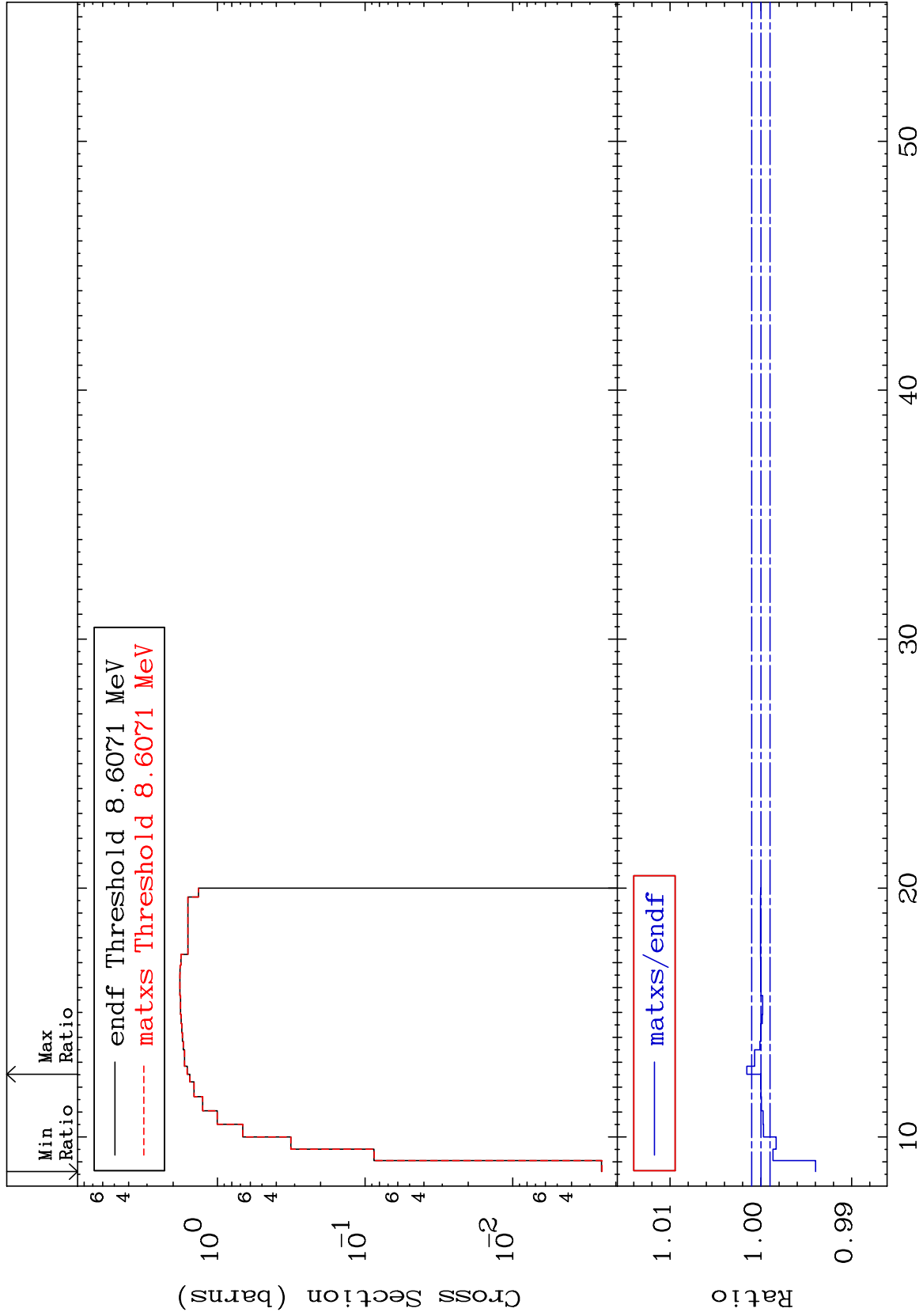
Incident Energy (eV)

64-Gd-154

MAT 6431

(n,2n)  
Cross Section

64-Gd-154  
-0.602 To 0.155 %



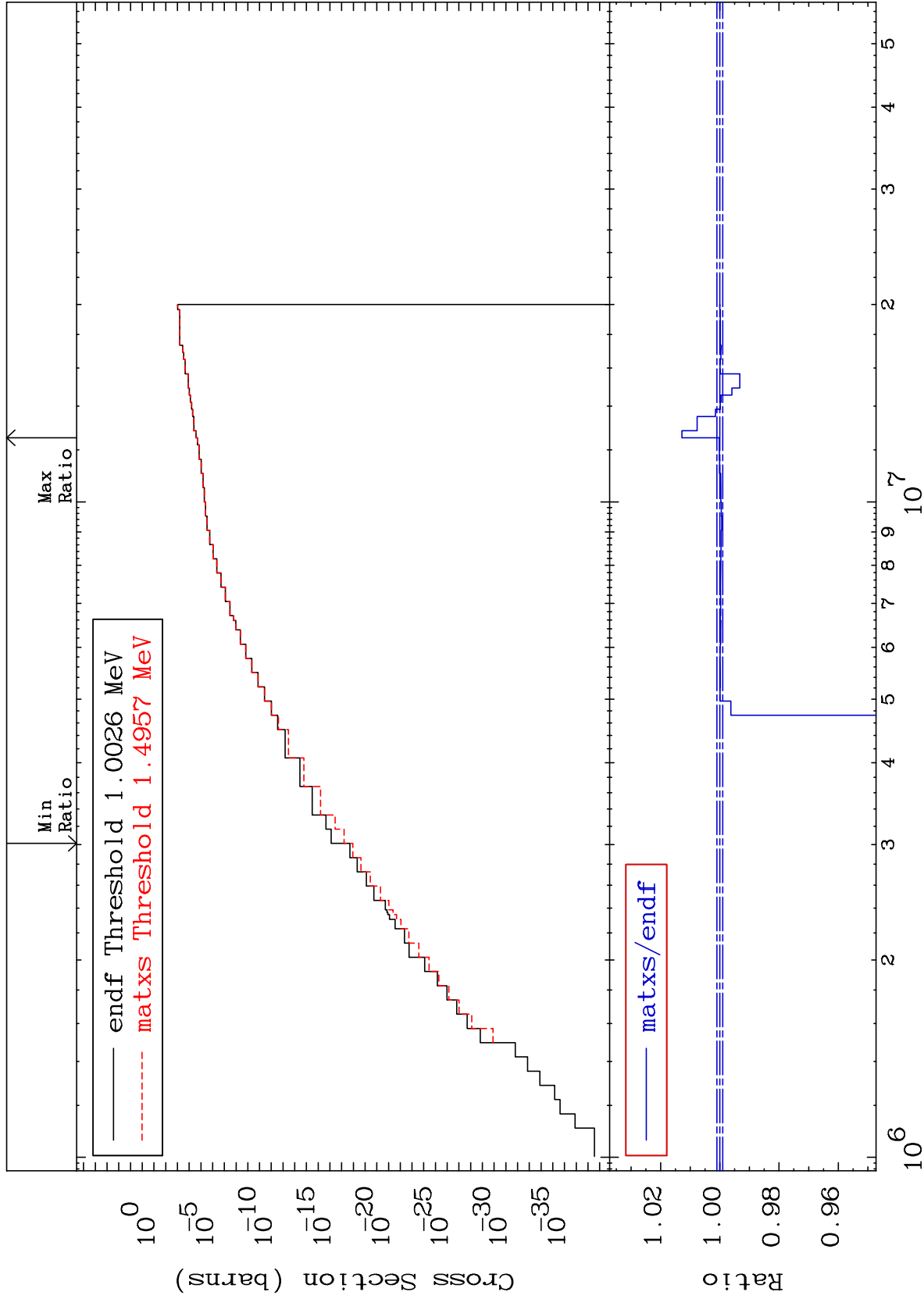
4

Incident Energy (MeV)

64-Gd-154

MAT 6431

$(n, n') \alpha$   
Cross Section  
64-Gd-154  
-92.05 To 1.280 %

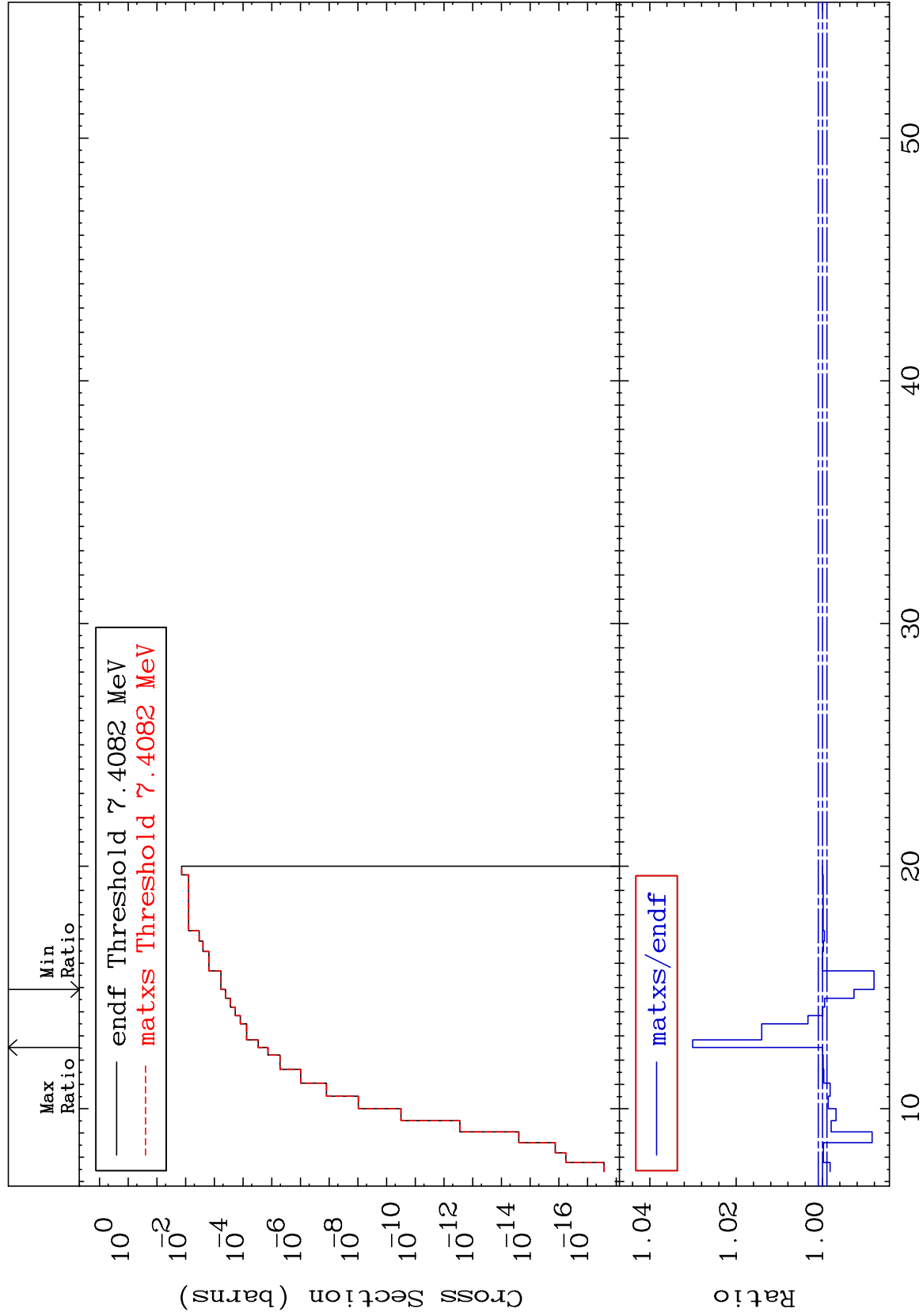


64-Gd-154

MAT 6431

(n, n') p  
Cross Section

64-Gd-154  
-1.191 To 3.005 %



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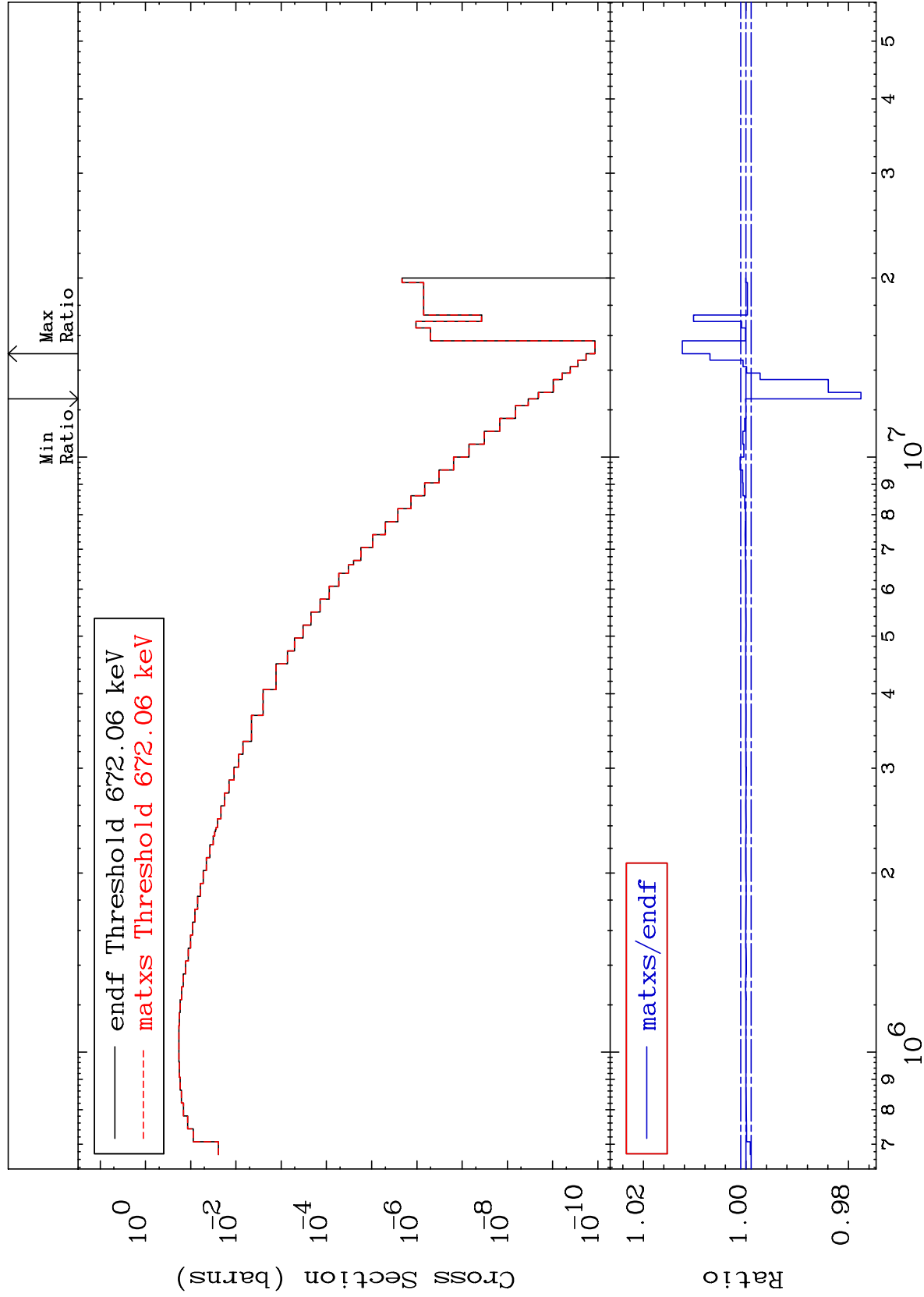
Incident Energy (MeV)

64-Gd-154

MAT 6431

680.7 keV (n,n') Level  
Cross Section

64-Gd-154  
-2.243 To 1.240 %



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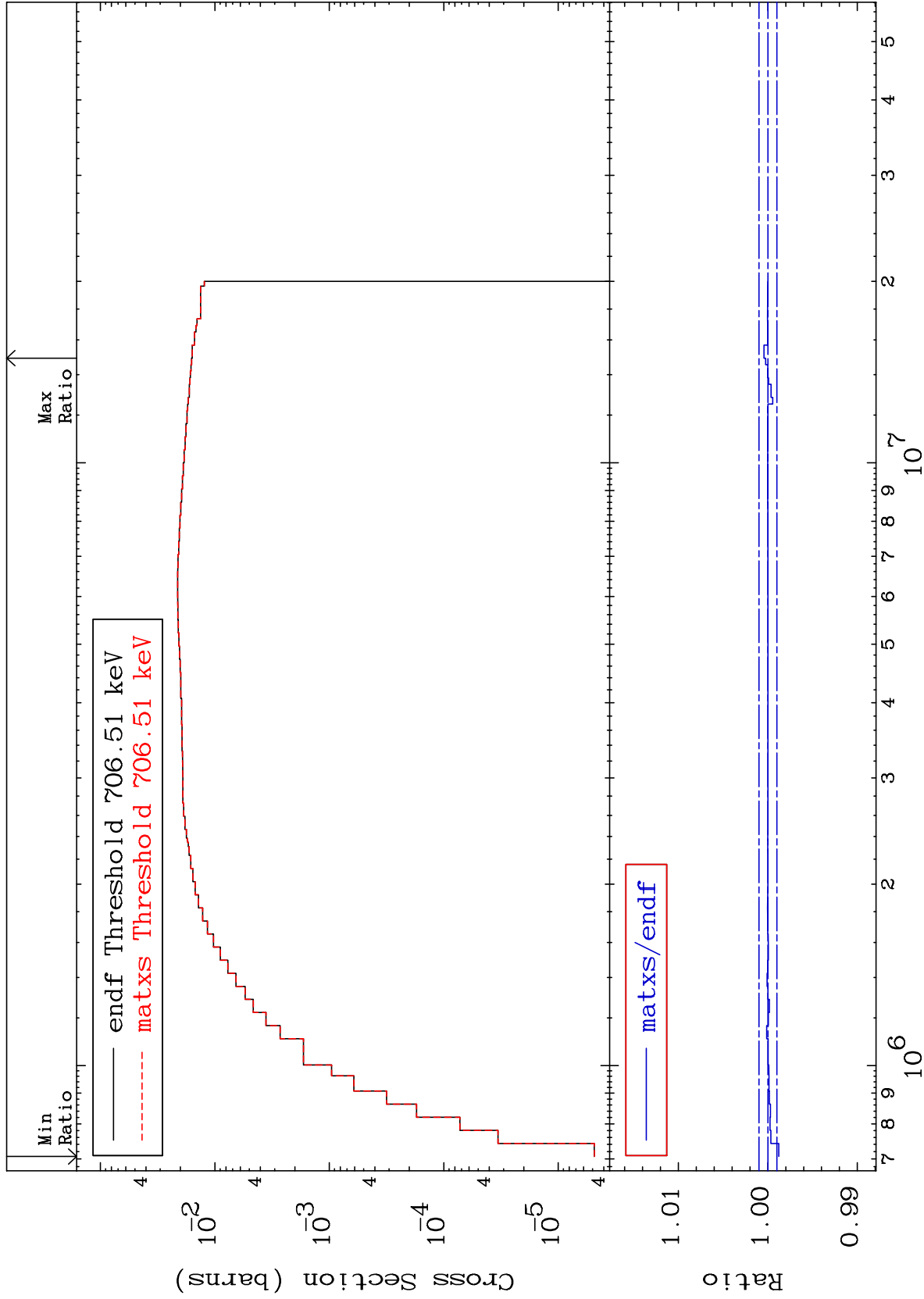
64-Gd-154



MAT 6431

717.7 keV (n,n') Level  
Cross Section

64-Gd-154  
-0.123 To 0.044 %



8

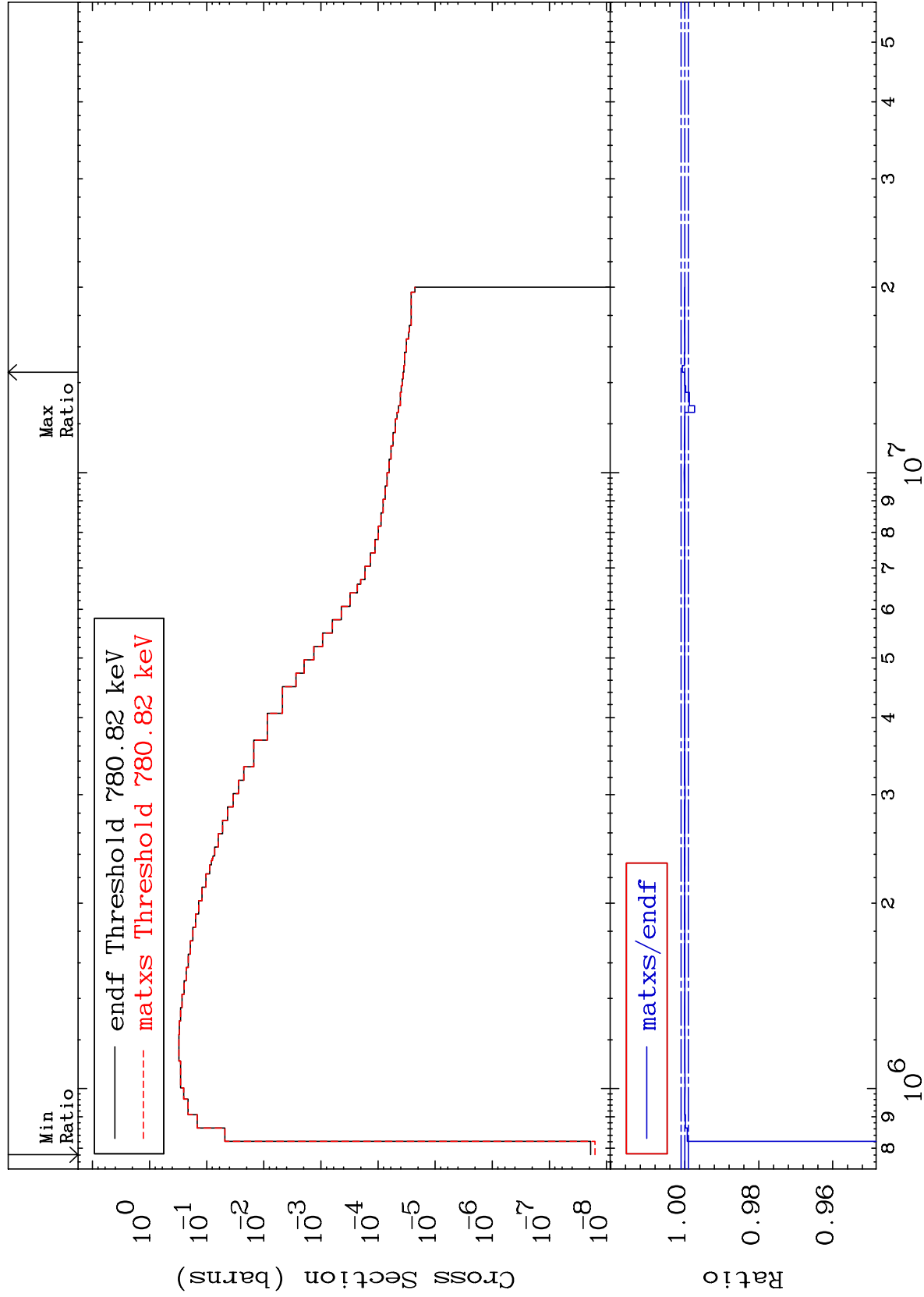
Incident Energy (eV)

64-Gd-154

MAT 6431

815.5 keV (n,n') Level  
Cross Section

64-Gd-154  
-15.81 To 0.064 %



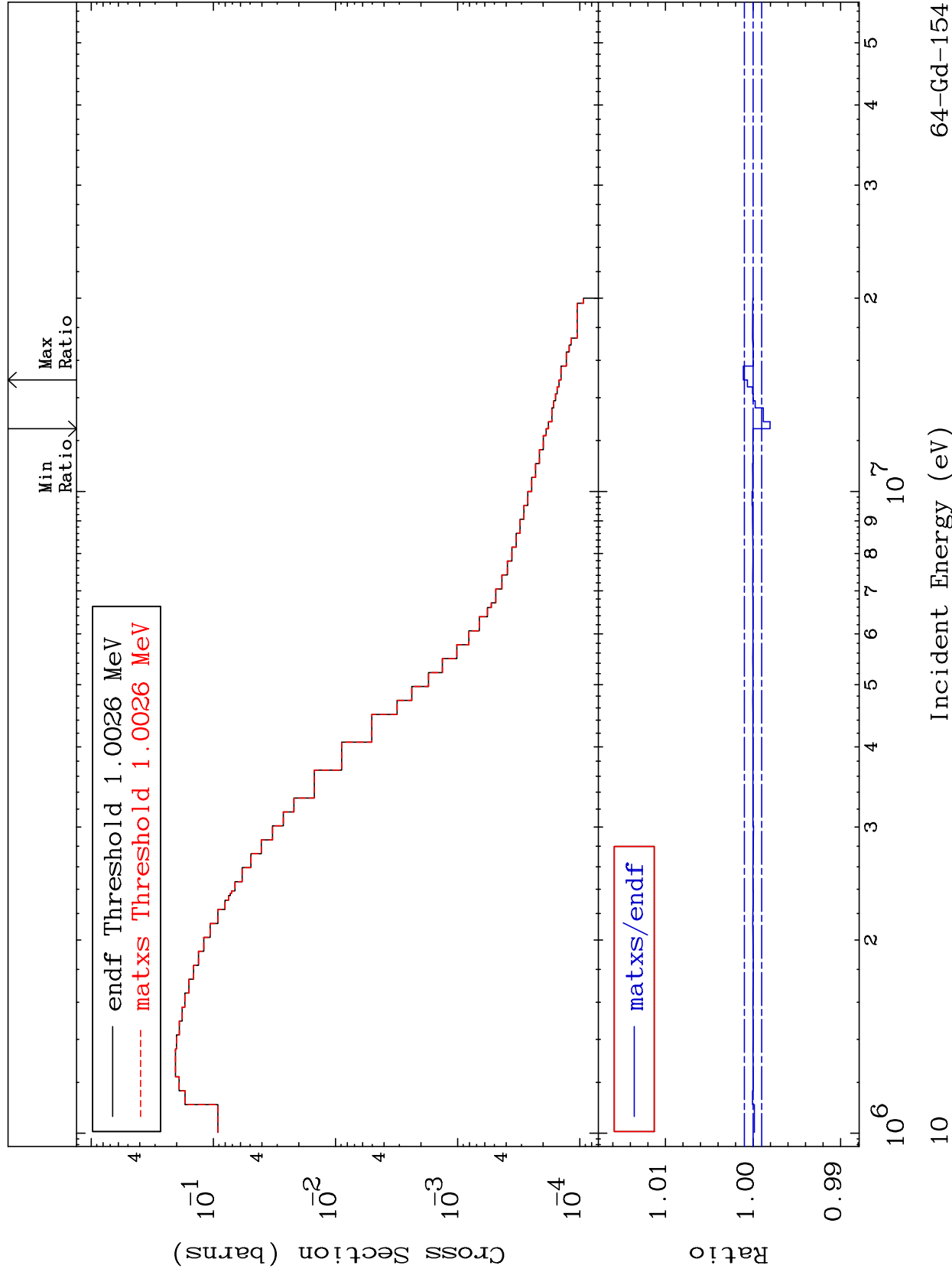
9

64-Gd-154

MAT 6431

996.3 keV (n,n') Level  
Cross Section

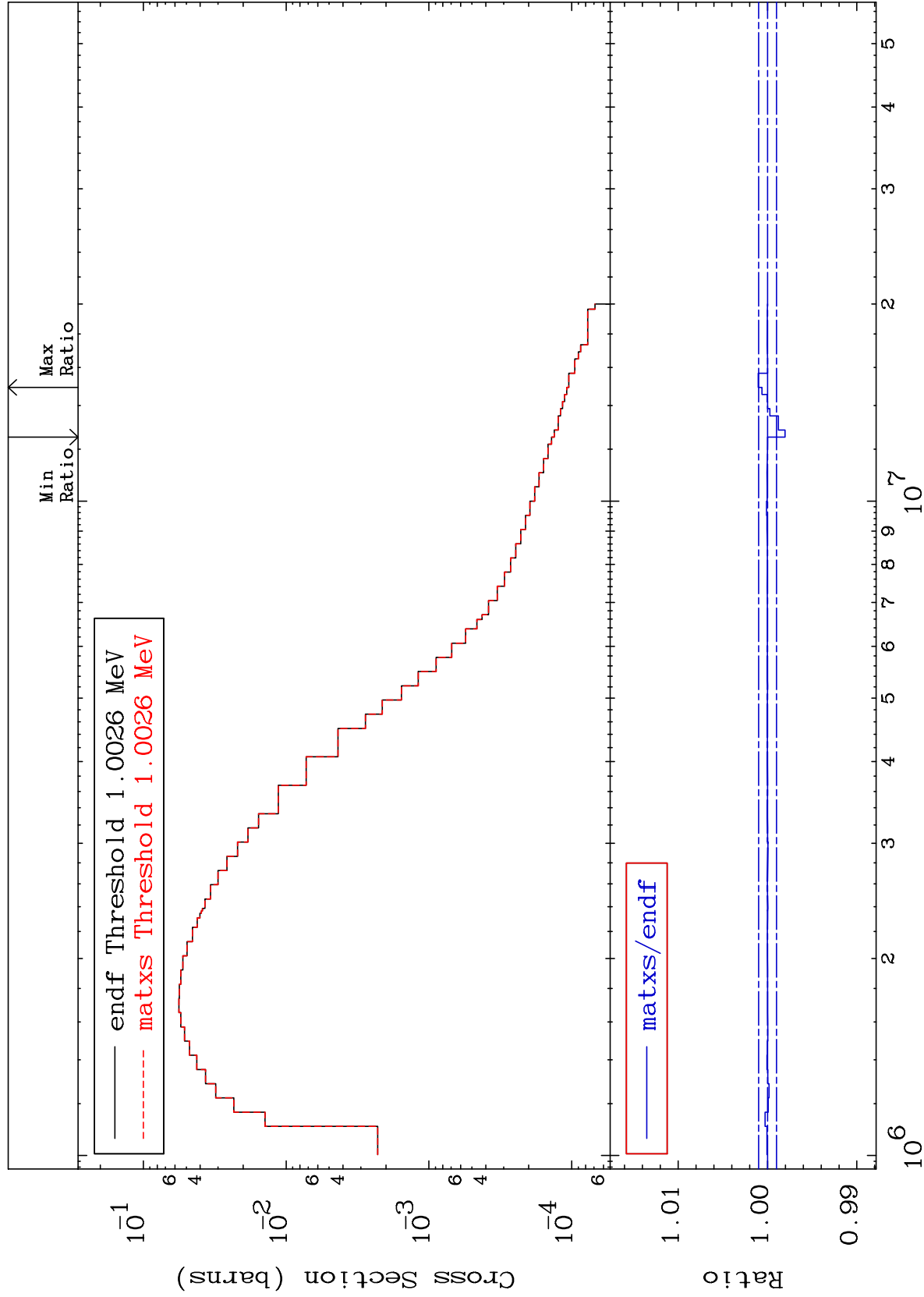
64-Gd-154  
-0.195 To 0.111 %



MAT 6431

1.048 MeV (n,n') Level  
Cross Section

64-Gd-154  
-0.197 To 0.105 %



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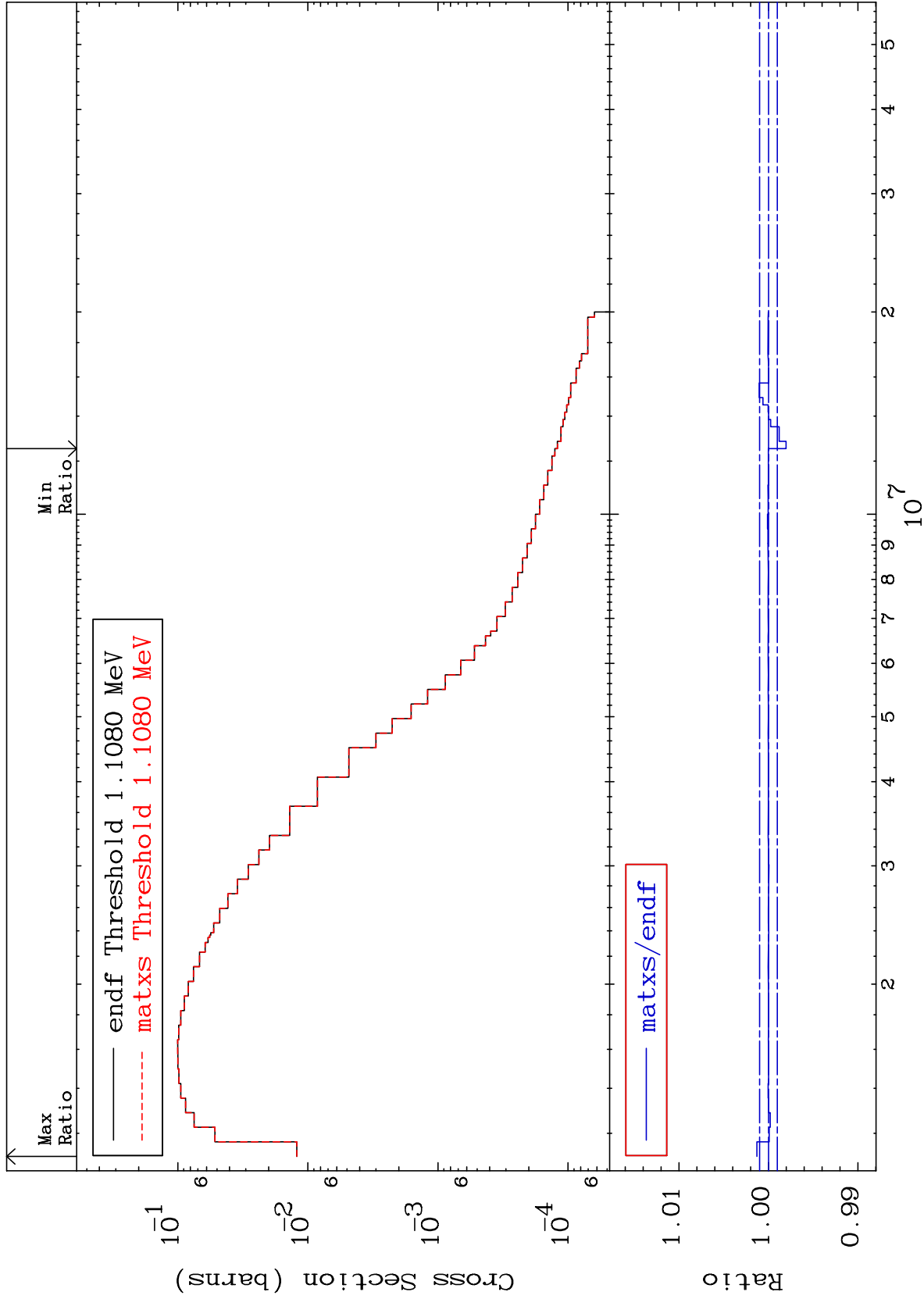
Incident Energy (eV)

64-Gd-154

MAT 6431

1.128 MeV (n,n') Level  
Cross Section

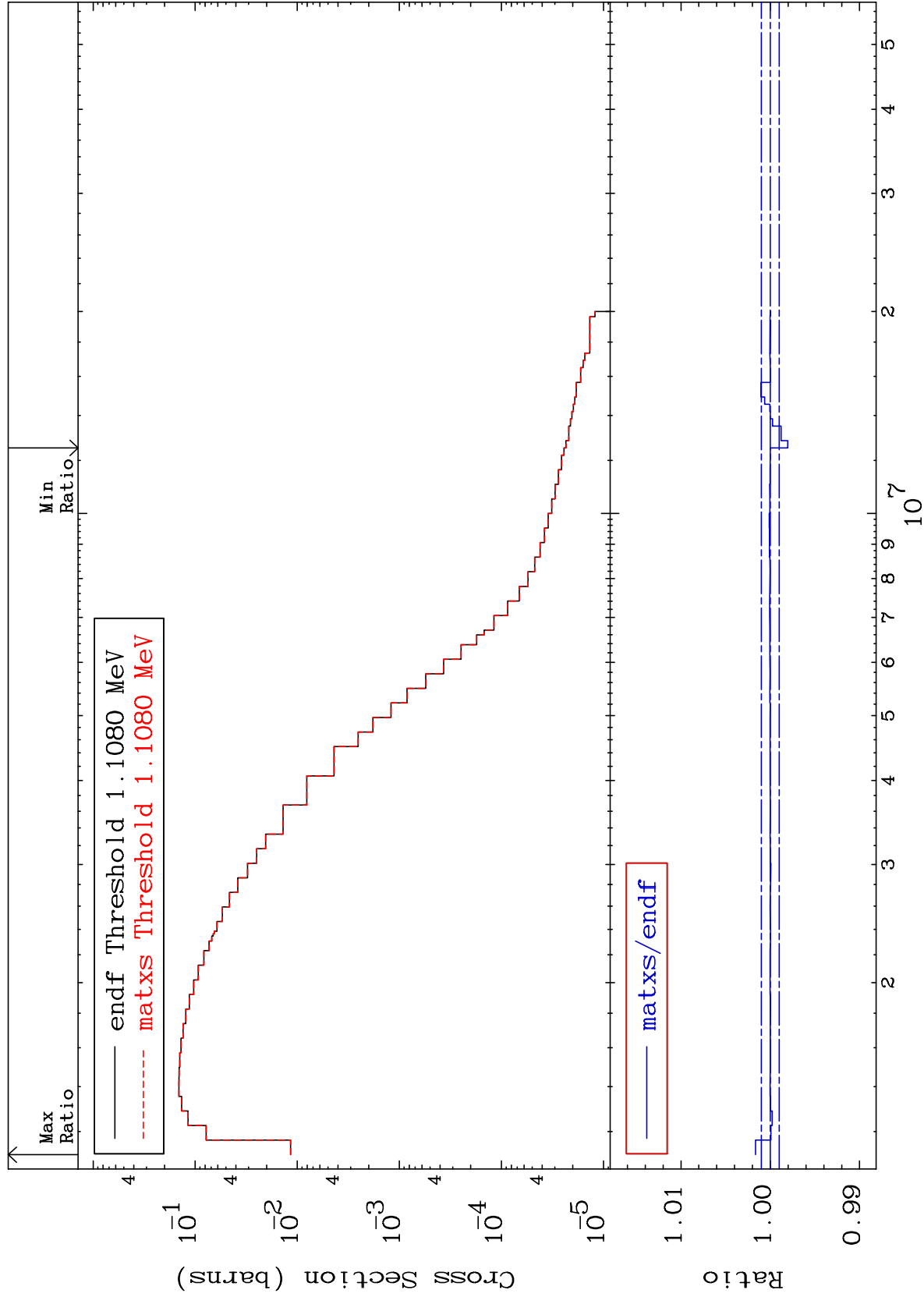
64-Gd-154  
-0.196 To 0.130 %



MAT 6431

1.136 MeV (n,n') Level  
Cross Section

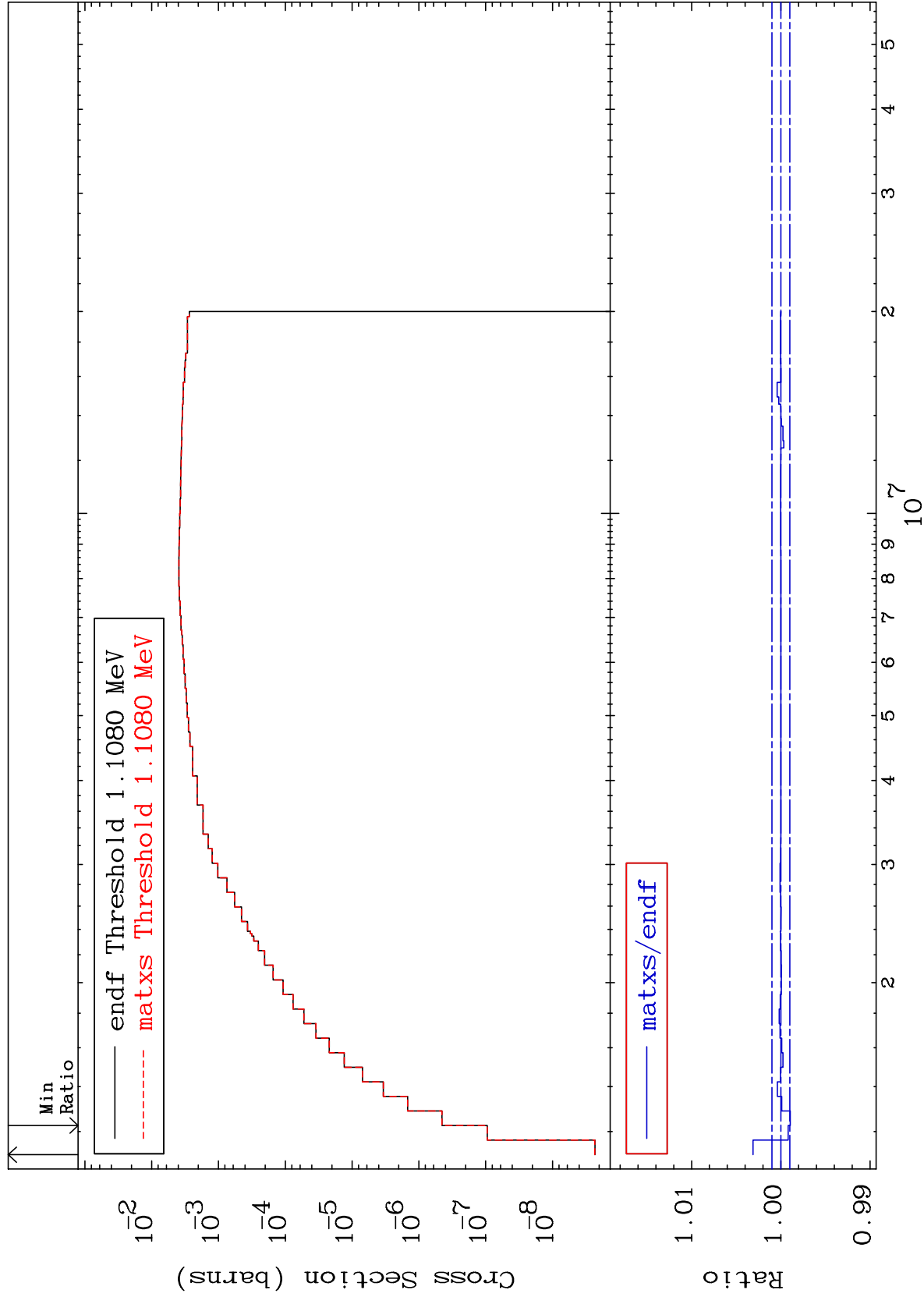
64-Gd-154  
-0.196 To 0.165 %



MAT 6431

1.144 MeV (n,n') Level  
Cross Section

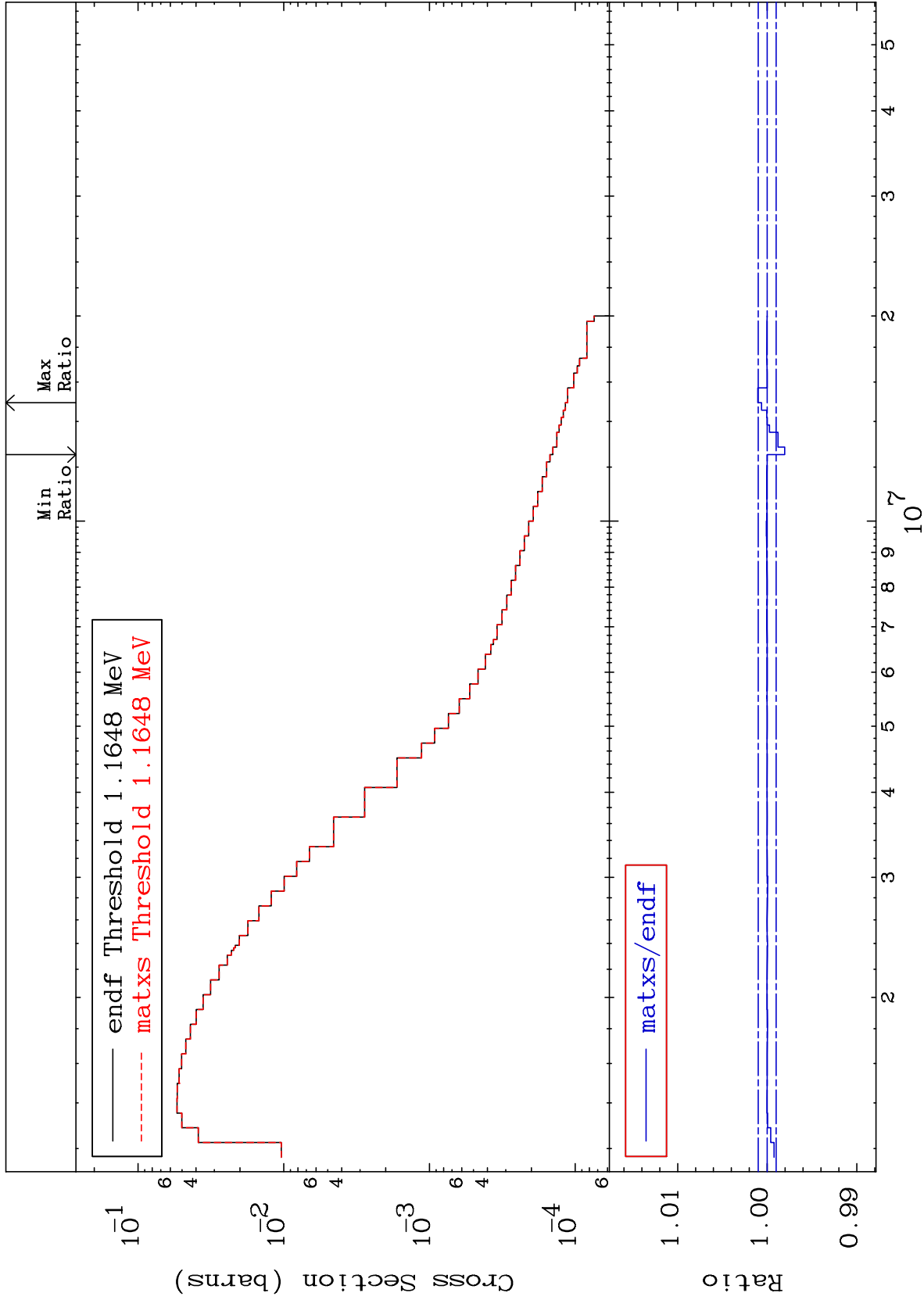
64-Gd-154  
-0.106 To 0.312 %



MAT 6431

1.182 MeV (n,n') Level  
Cross Section

64-Gd-154  
-0.195 To 0.104 %



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Incident Energy (eV)

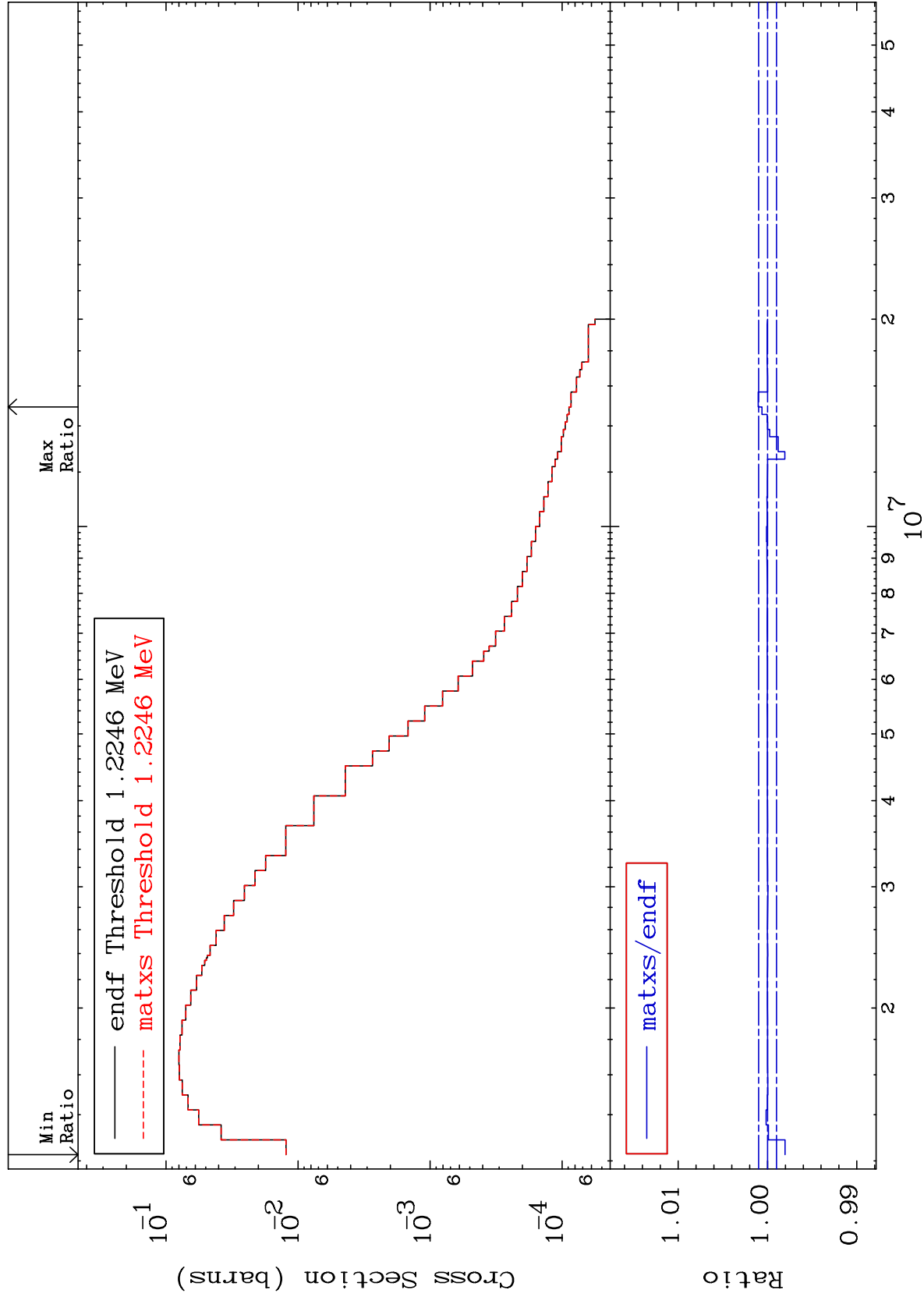
64-Gd-154



MAT 6431

1.233 MeV (n,n') Level  
Cross Section

64-Gd-154  
-0.196 To 0.104 %



16

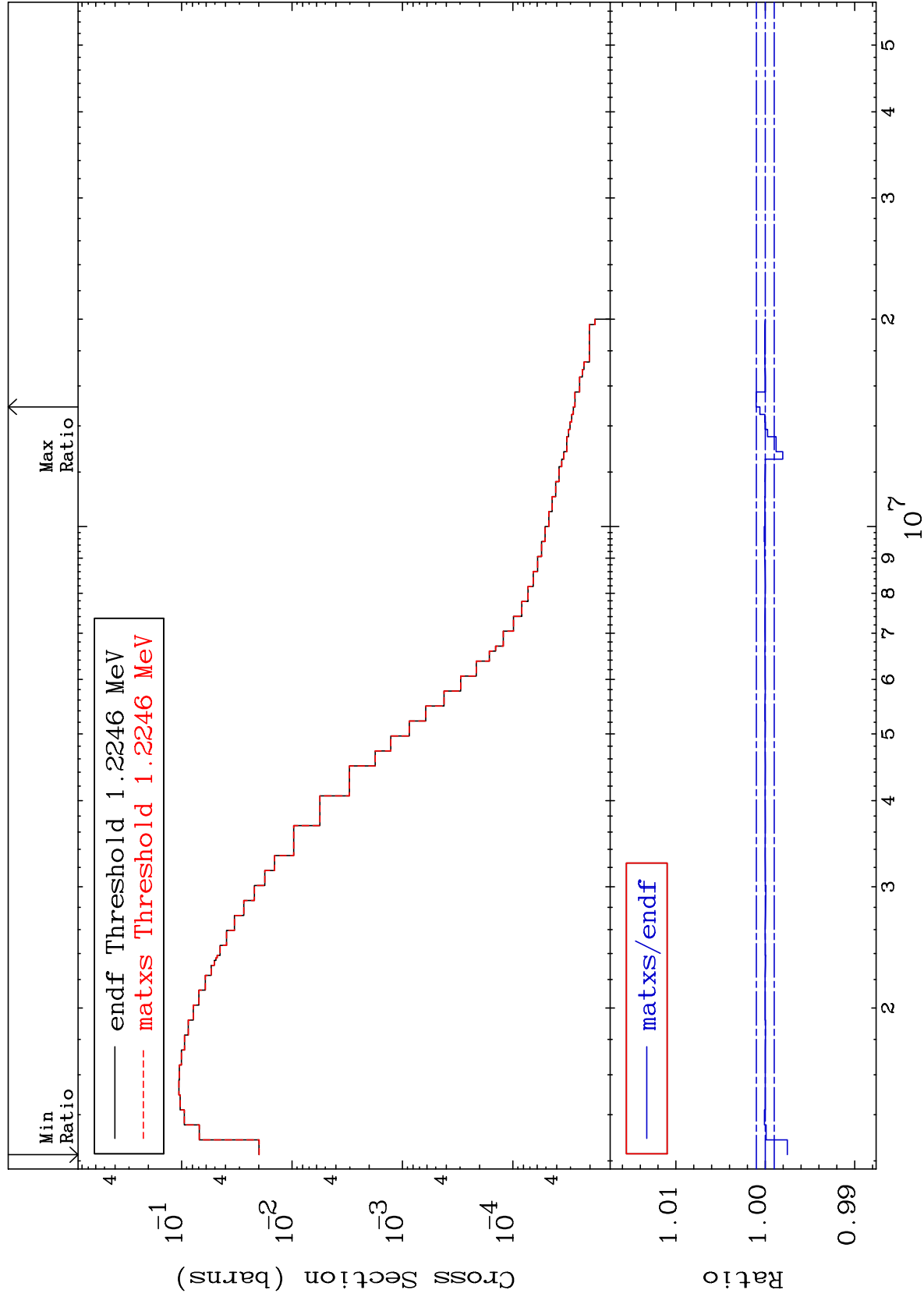
Incident Energy (eV)

64-Gd-154

MAT 6431

1.241 MeV (n,n') Level  
Cross Section

64-Gd-154  
-0.245 To 0.103 %



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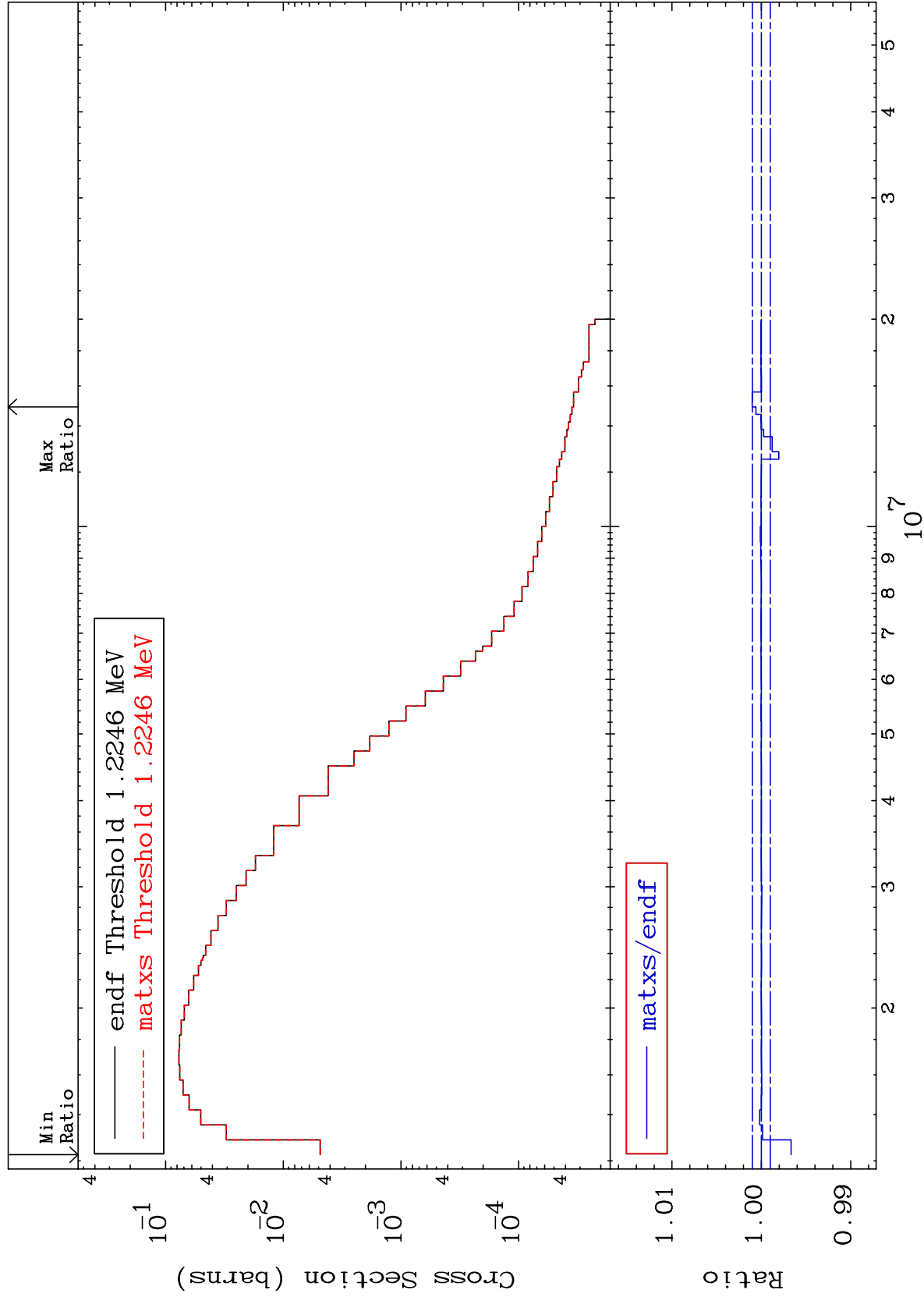
Incident Energy (eV)

64-Gd-154

MAT 6431

1.252 MeV (n,n') Level  
Cross Section

64-Gd-154  
-0.333 To 0.104 %



18

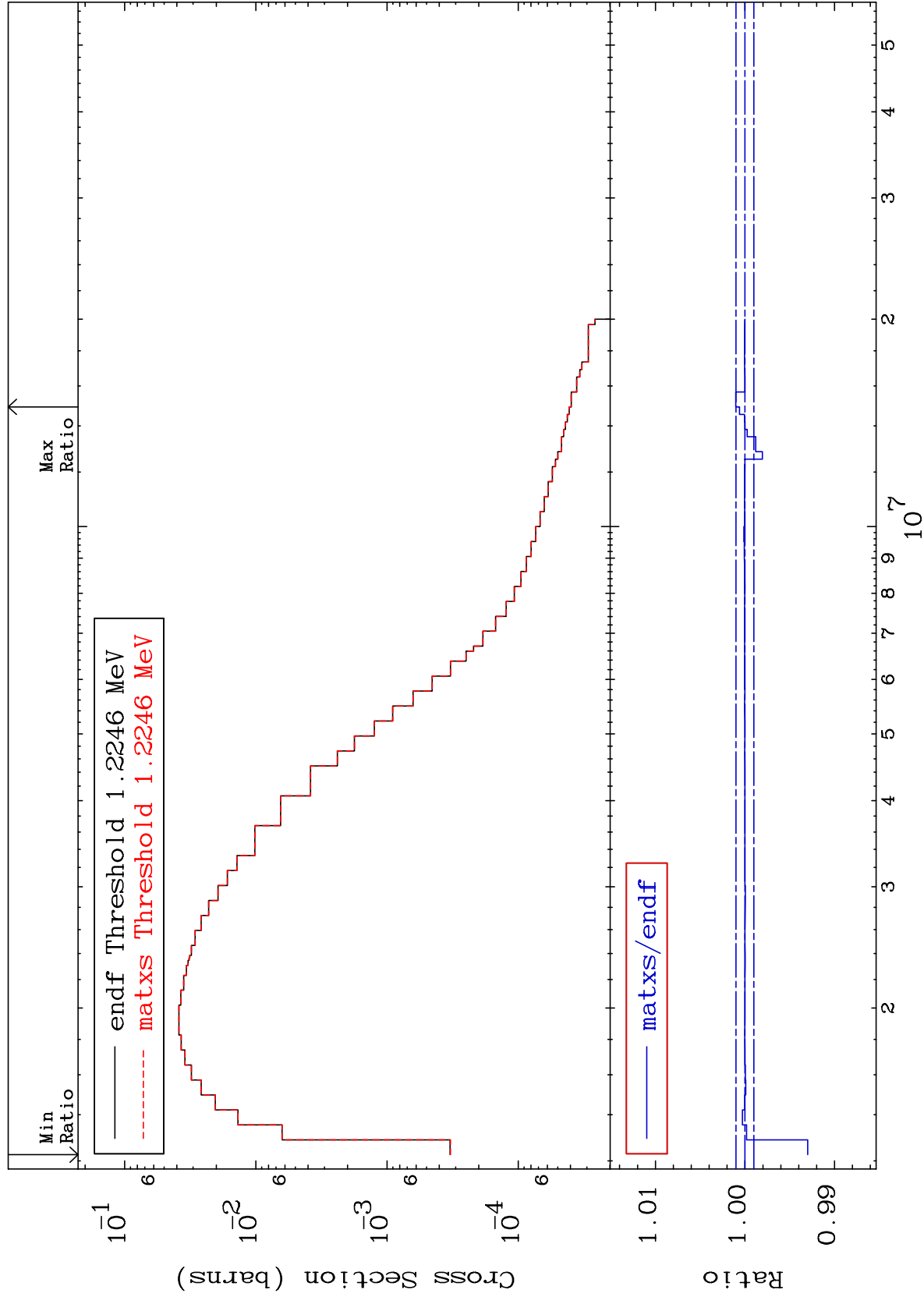
Incident Energy (eV)

64-Gd-154

MAT 6431

1.264 MeV (n,n') Level  
Cross Section

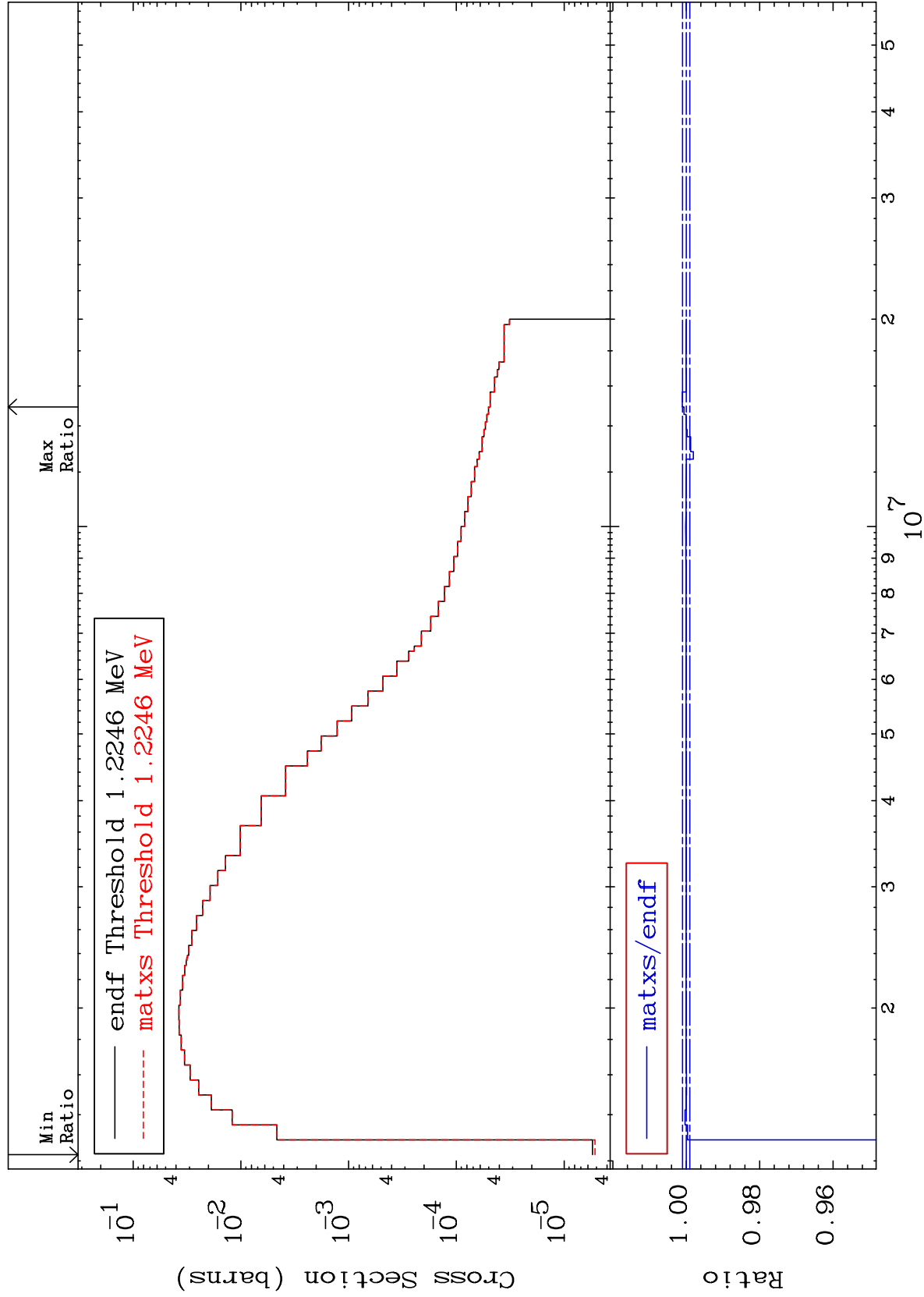
64-Gd-154  
-0.699 To 0.104 %



MAT 6431

1.277 MeV (n,n') Level  
Cross Section

64-Gd-154  
-5.194 To 0.104 %



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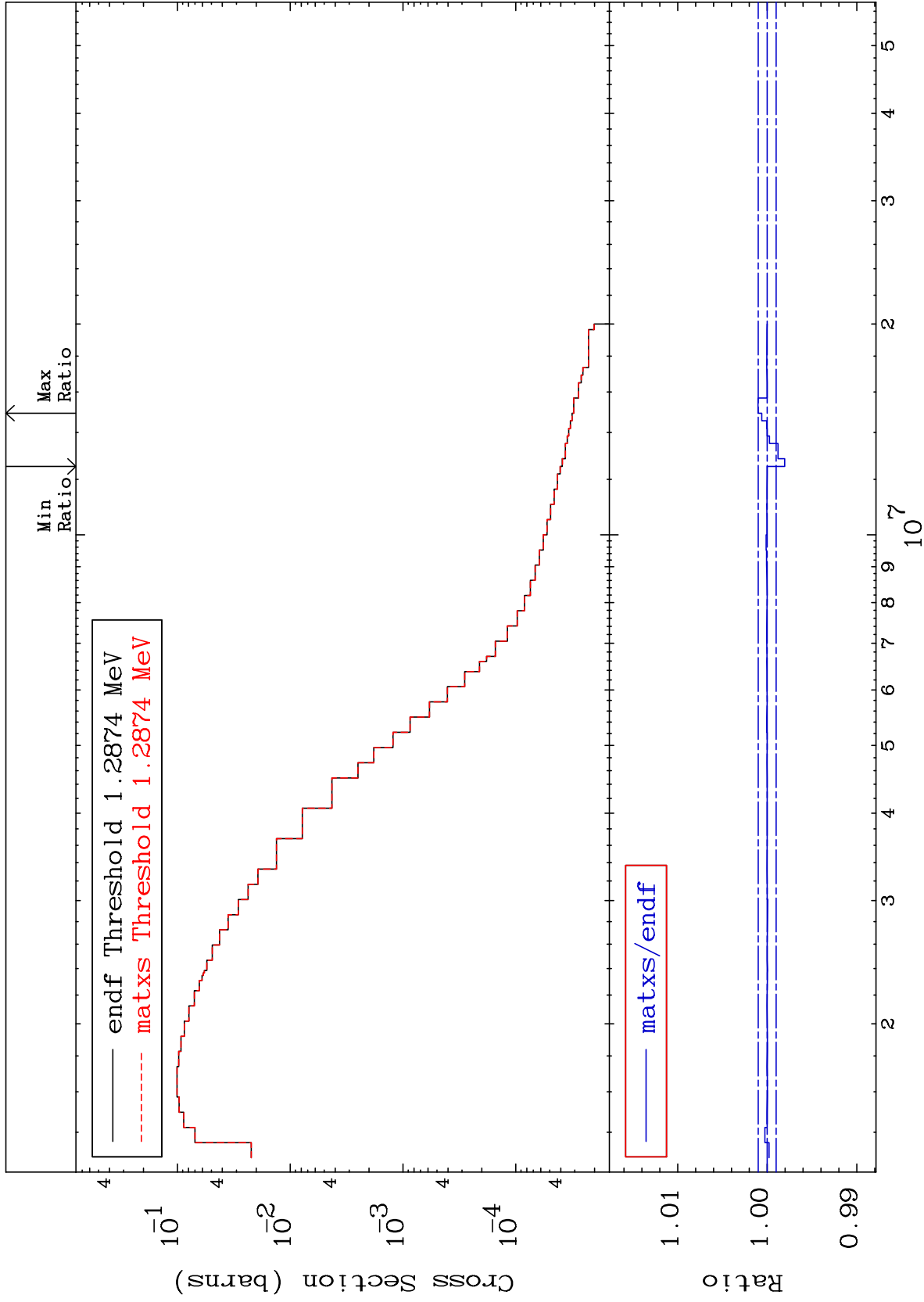
Incident Energy (eV)

64-Gd-154

MAT 6431

1.294 MeV (n,n') Level  
Cross Section

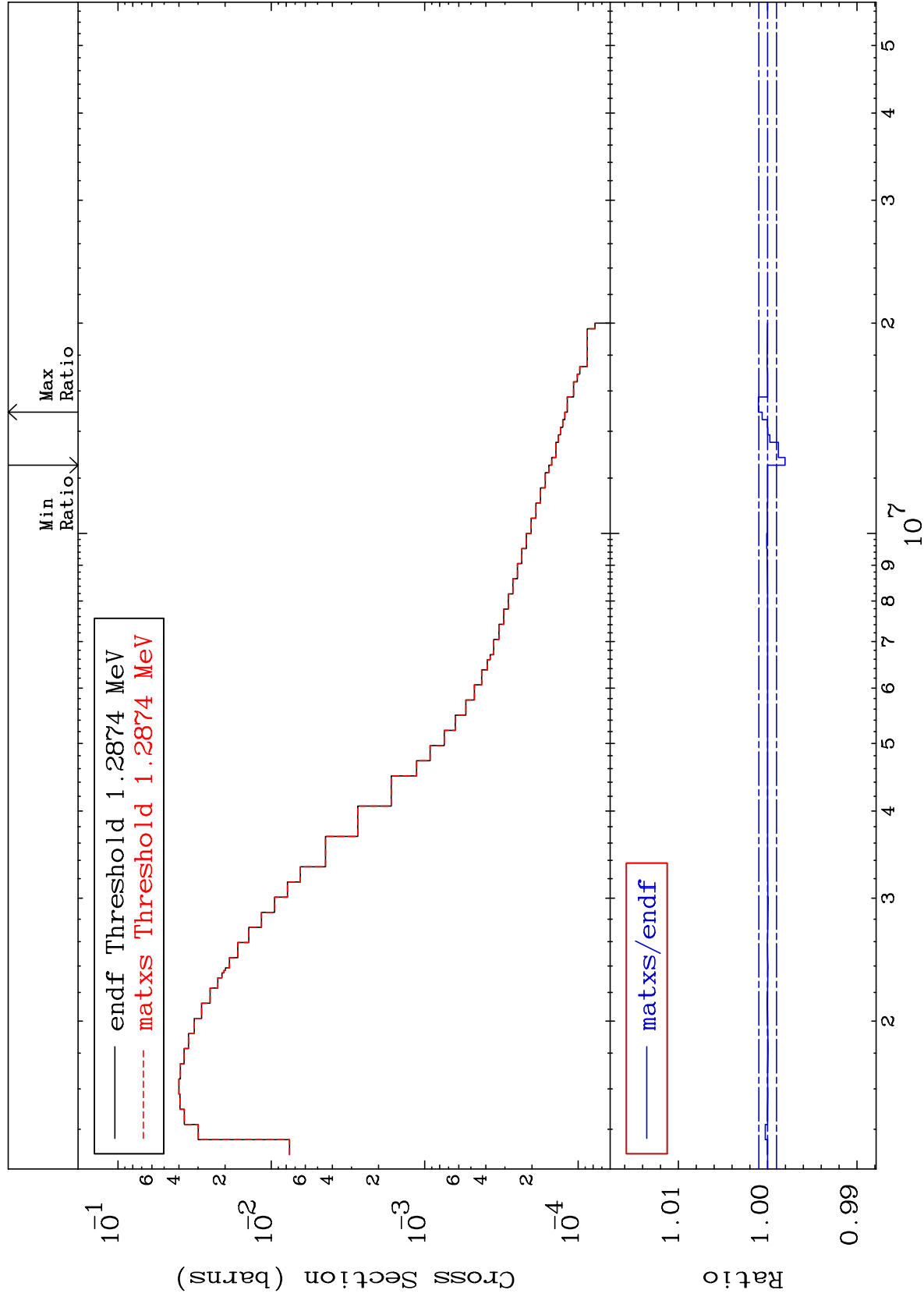
64-Gd-154  
-0.194 To 0.104 %



MAT 6431

1.295 MeV (n,n') Level  
Cross Section

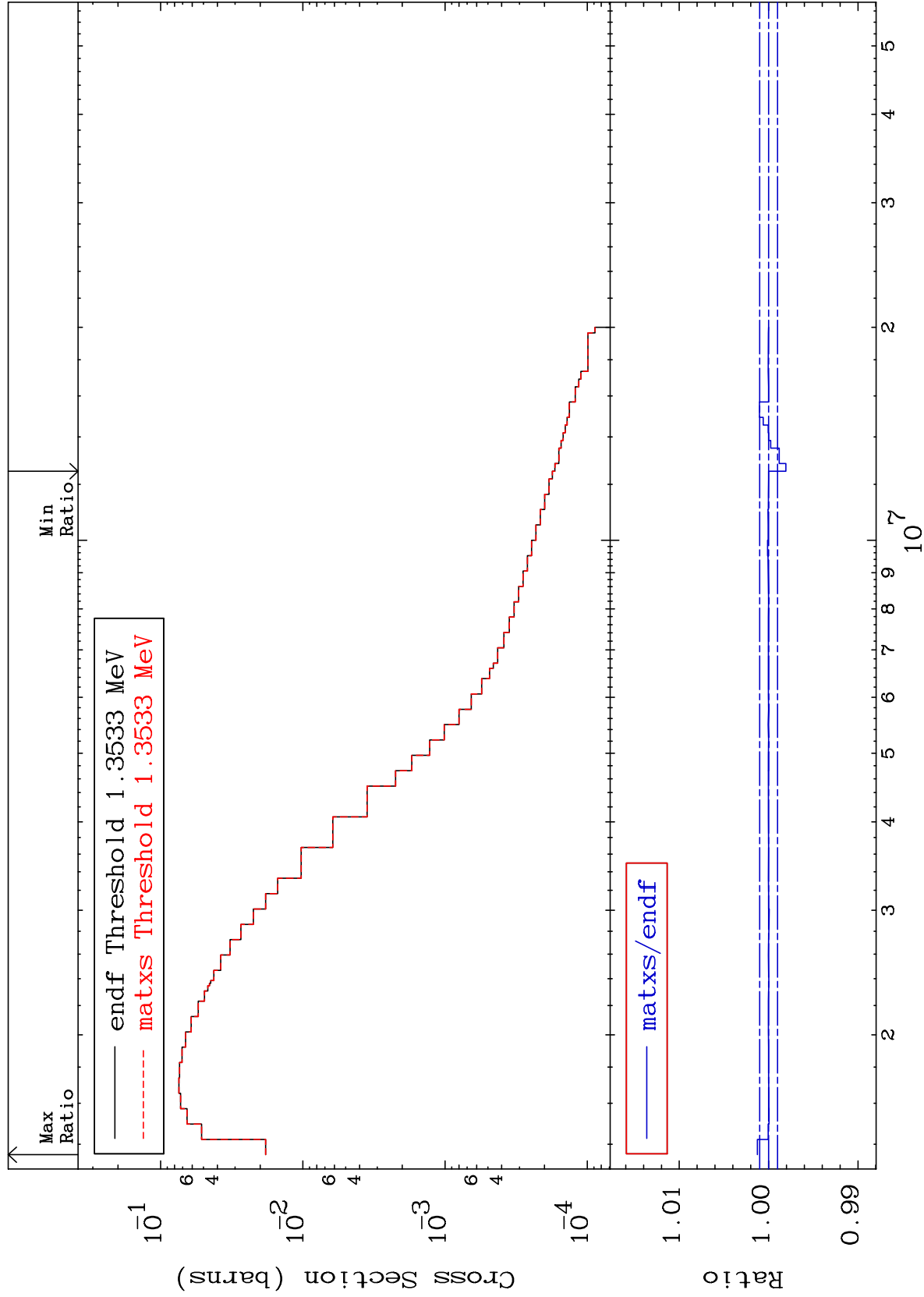
64-Gd-154  
-0.193 To 0.104 %



MAT 6431

1.365 MeV (n,n') Level  
Cross Section

64-Gd-154  
-0.193 To 0.125 %

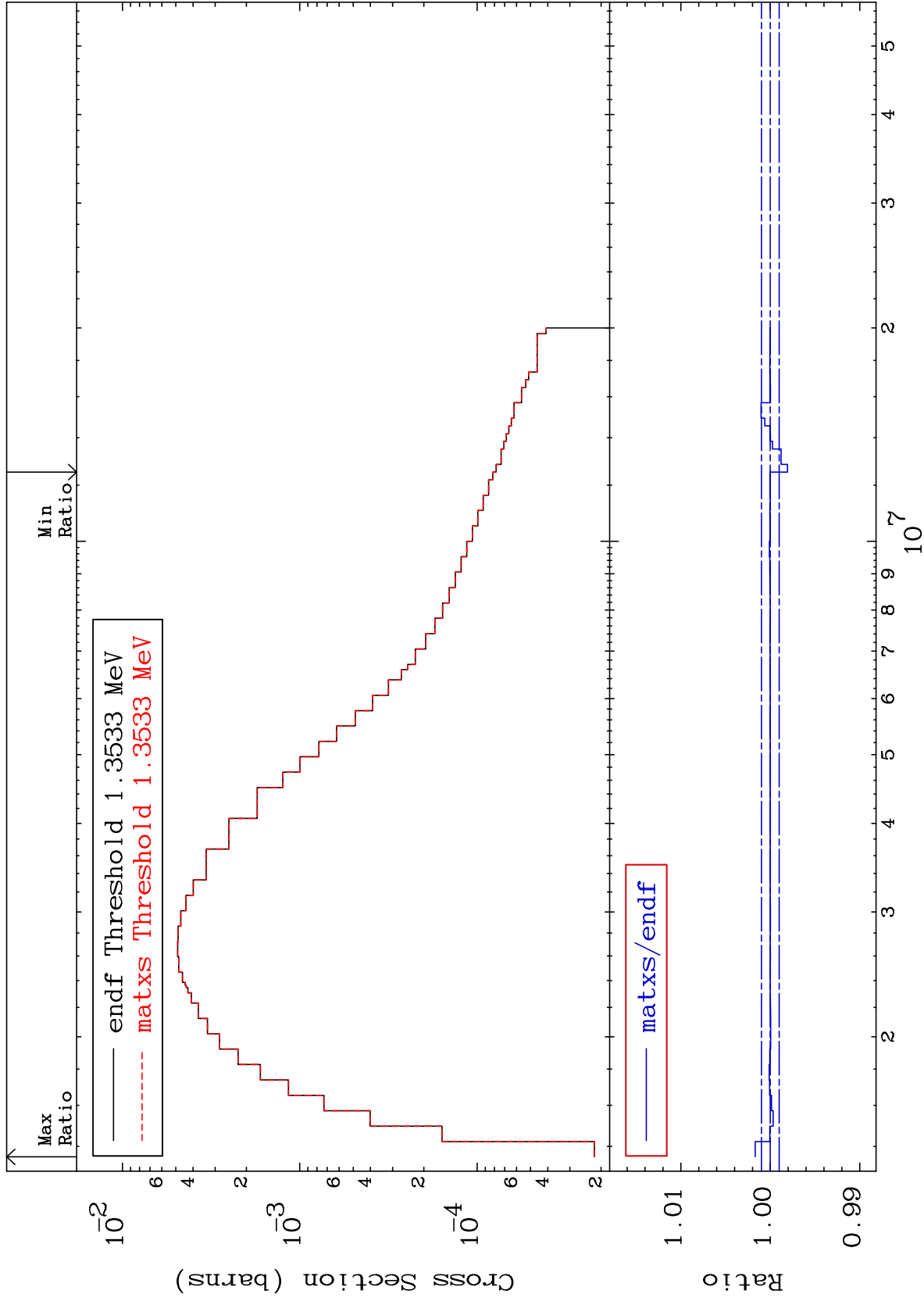




MAT 6431

1.366 MeV (n,n') Level  
Cross Section

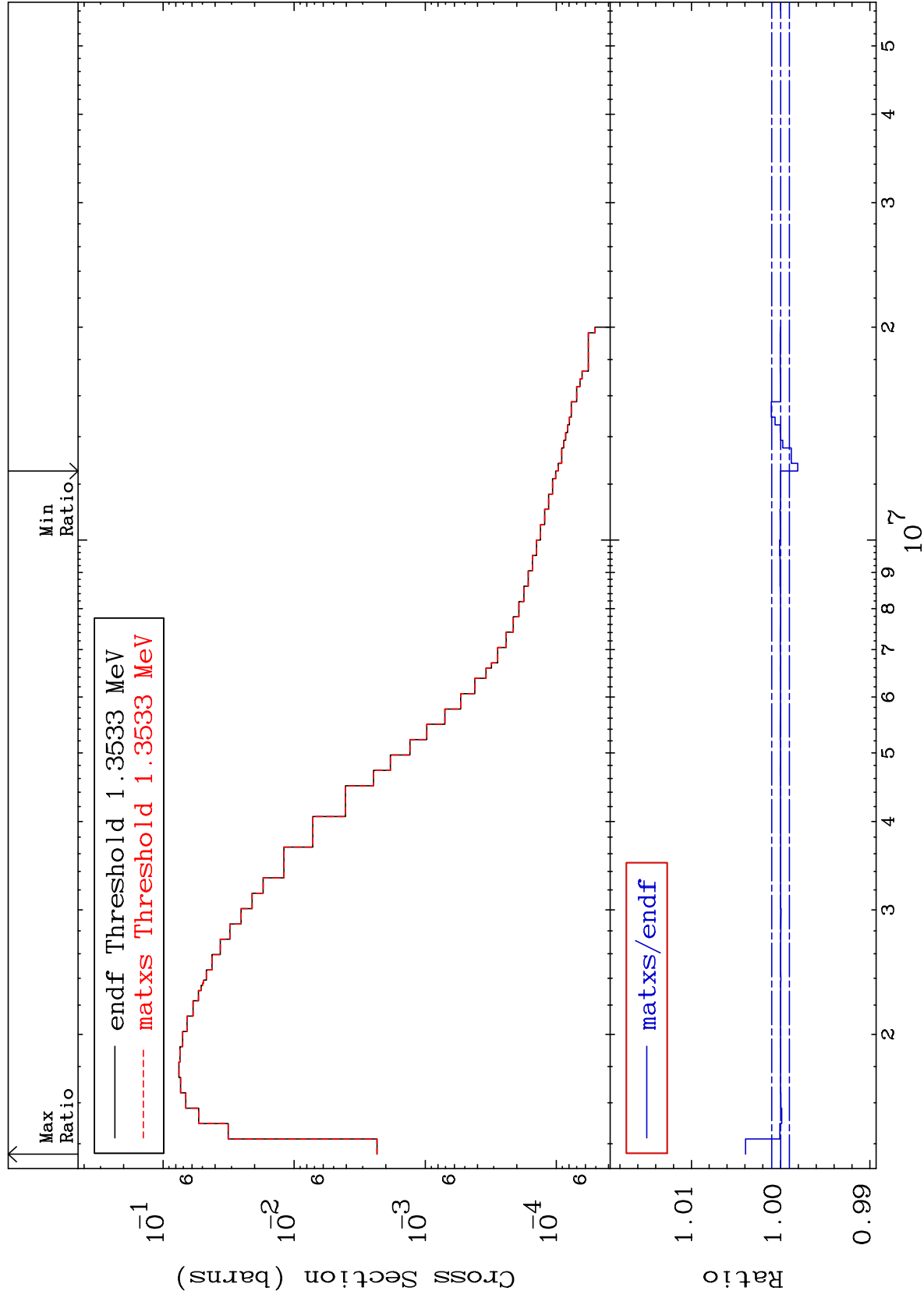
64-Gd-154  
-0.193 To 0.169 %



MAT 6431

1.398 MeV (n,n') Level  
Cross Section

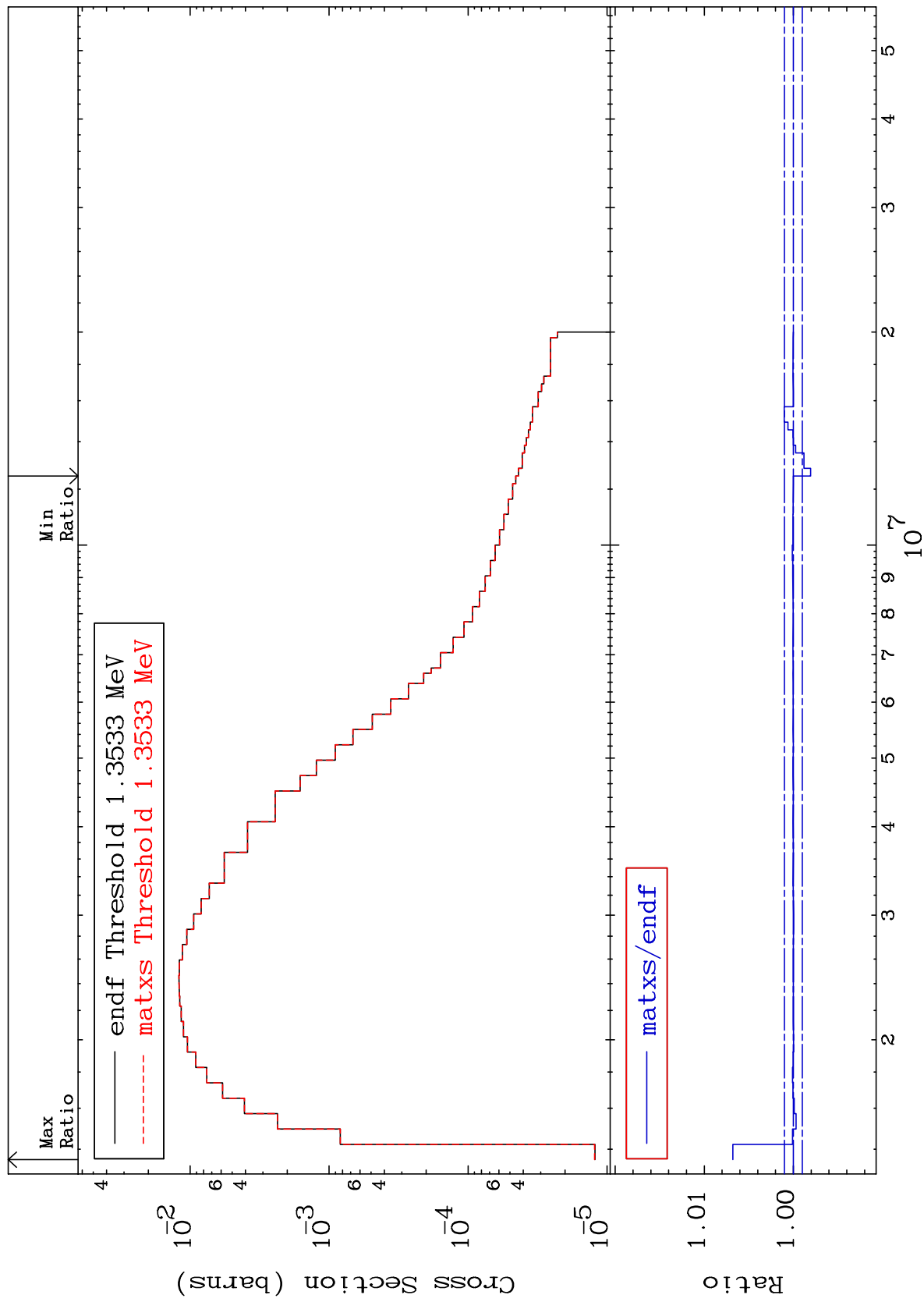
64-Gd-154  
-0.193 To 0.393 %



MAT 6431

1.404 MeV (n,n') Level  
Cross Section

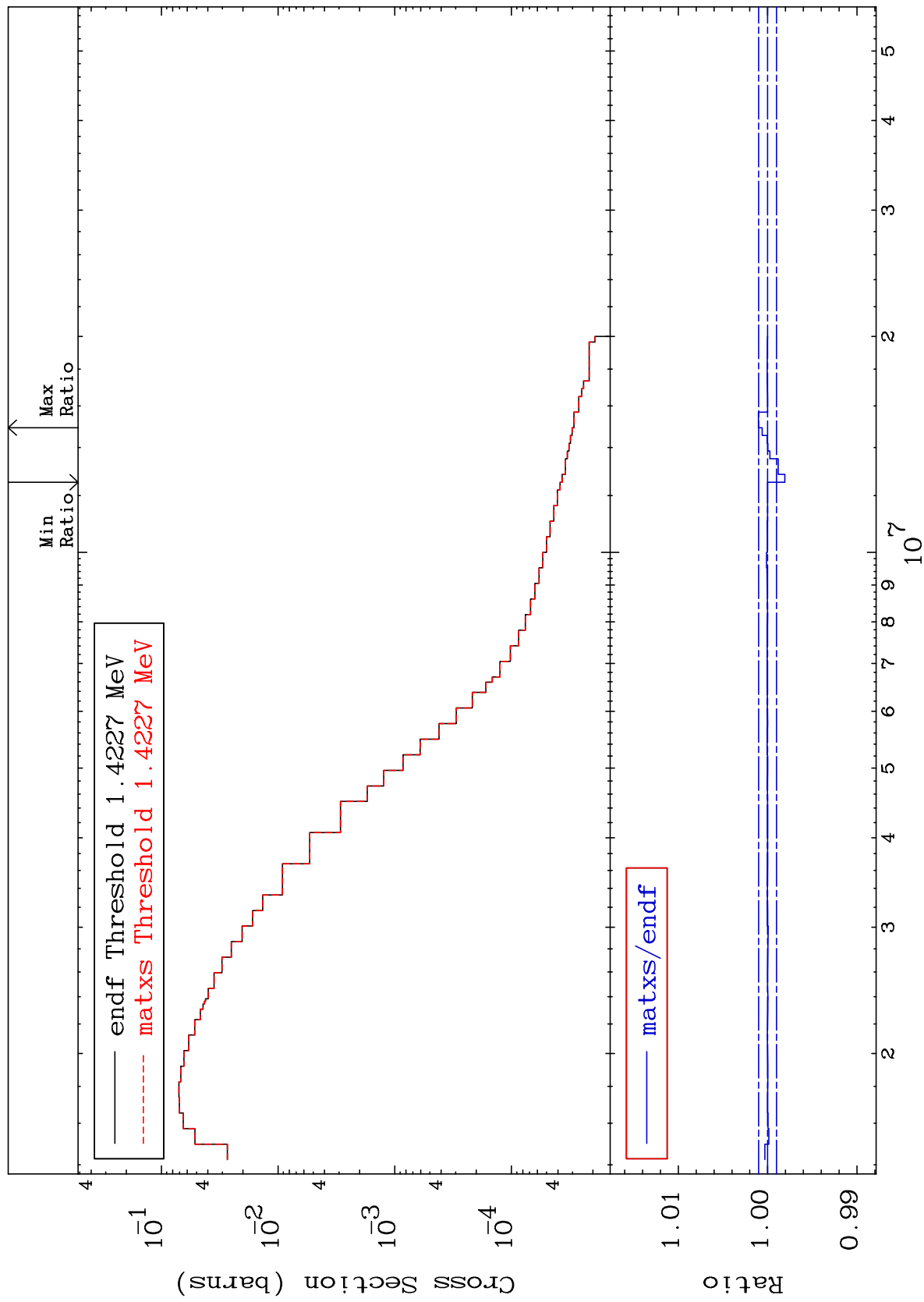
64-Gd-154  
-0.193 To 0.681 %



MAT 6431

1.414 MeV (n,n') Level  
Cross Section

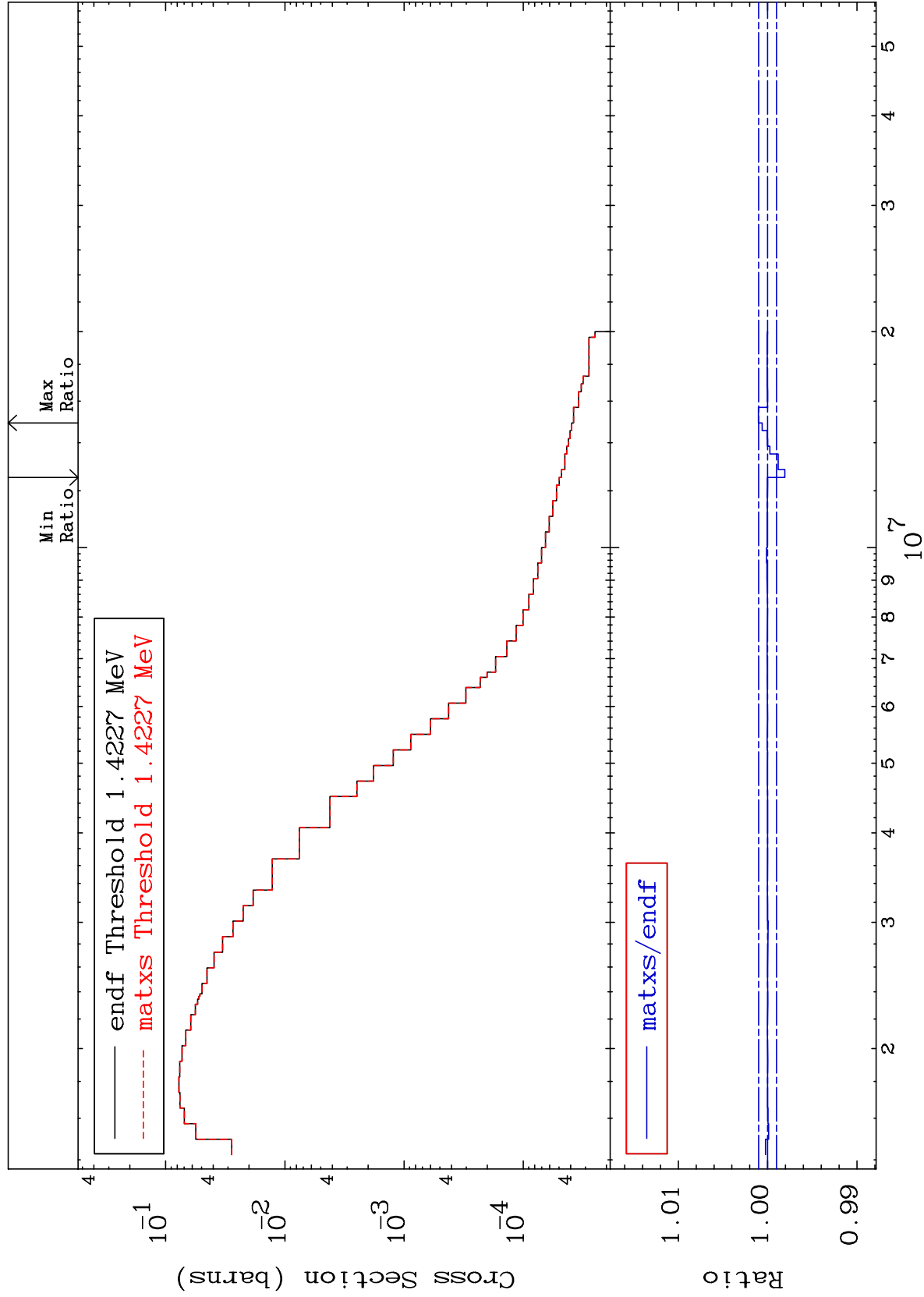
64-Gd-154  
-0.193 To 0.103 %



MAT 6431

1.418 MeV (n,n') Level  
Cross Section

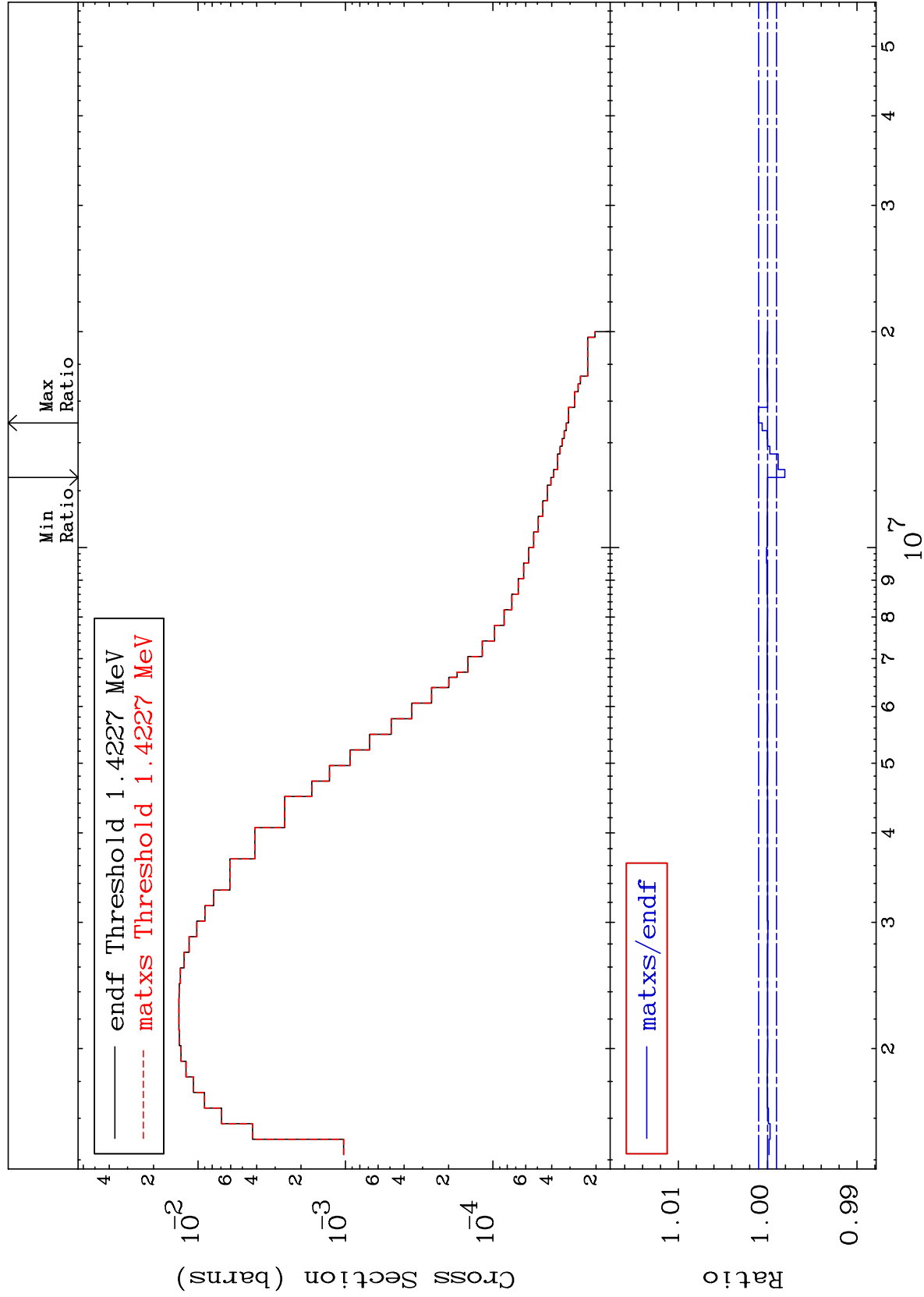
64-Gd-154  
-0.193 To 0.103 %



MAT 6431

1.433 MeV (n,n') Level  
Cross Section

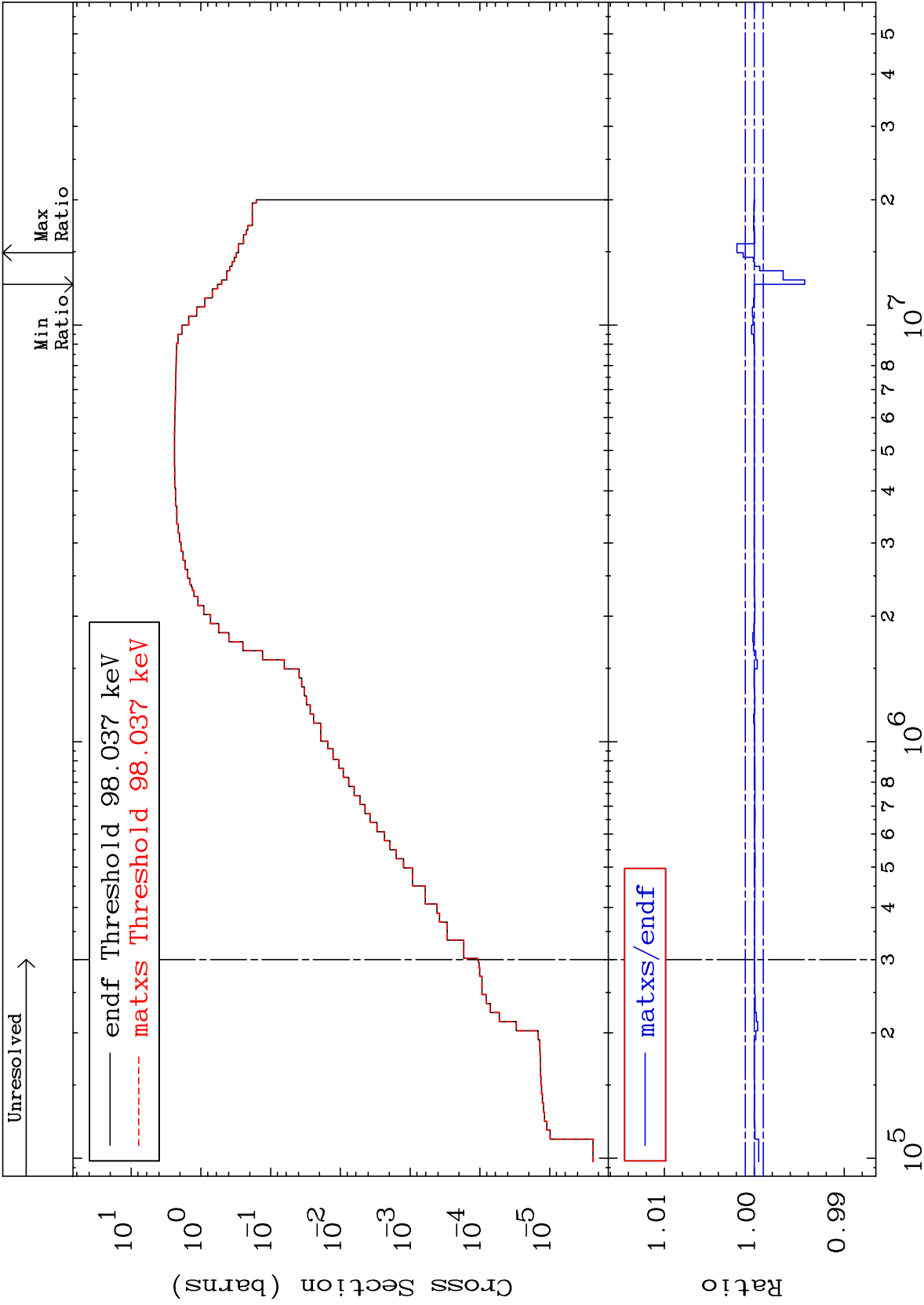
64-Gd-154  
-0.193 To 0.103 %



MAT 6431

(n, n') Continuum  
Cross Section

64-Gd-154  
-0.559 To 0.194 %



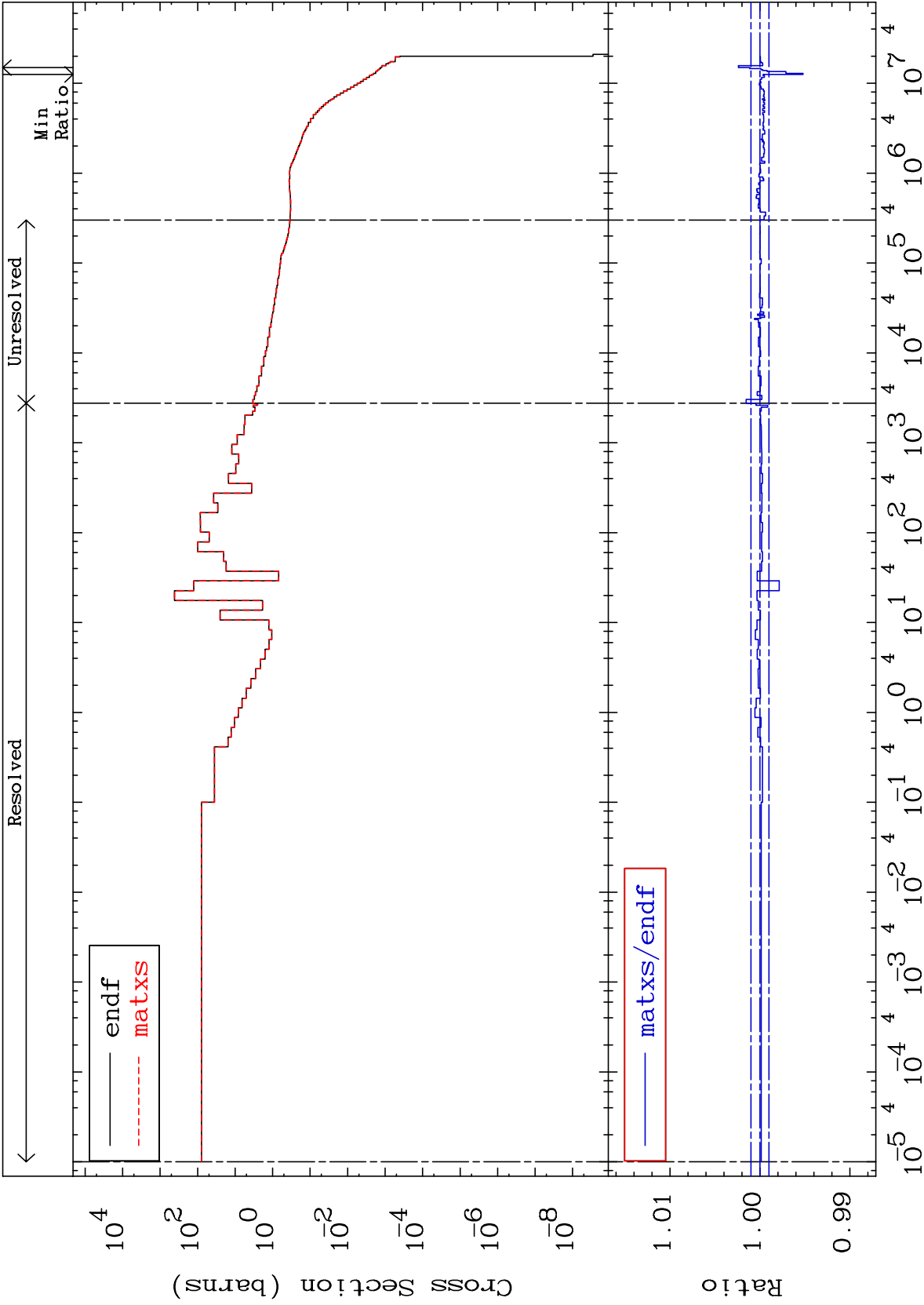
MAT 6431

(n,  $\gamma$ )

64-Gd-154

Cross Section

-0.479 To 0.240 %



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Incident Energy (eV)

64-Gd-154



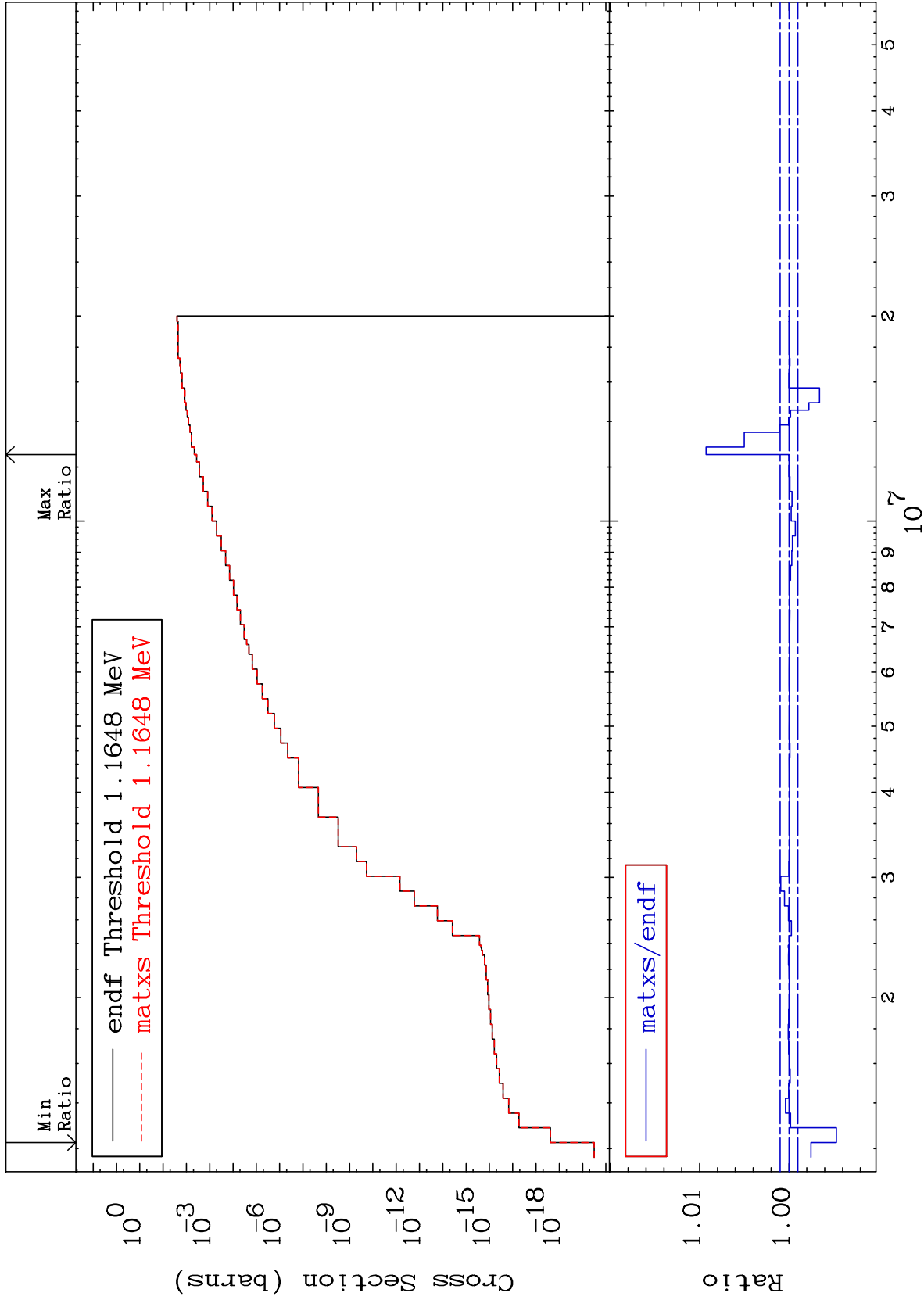
MAT 6431

(n,p)

64-Gd-154

Cross Section

-0.532 To 0.928 %



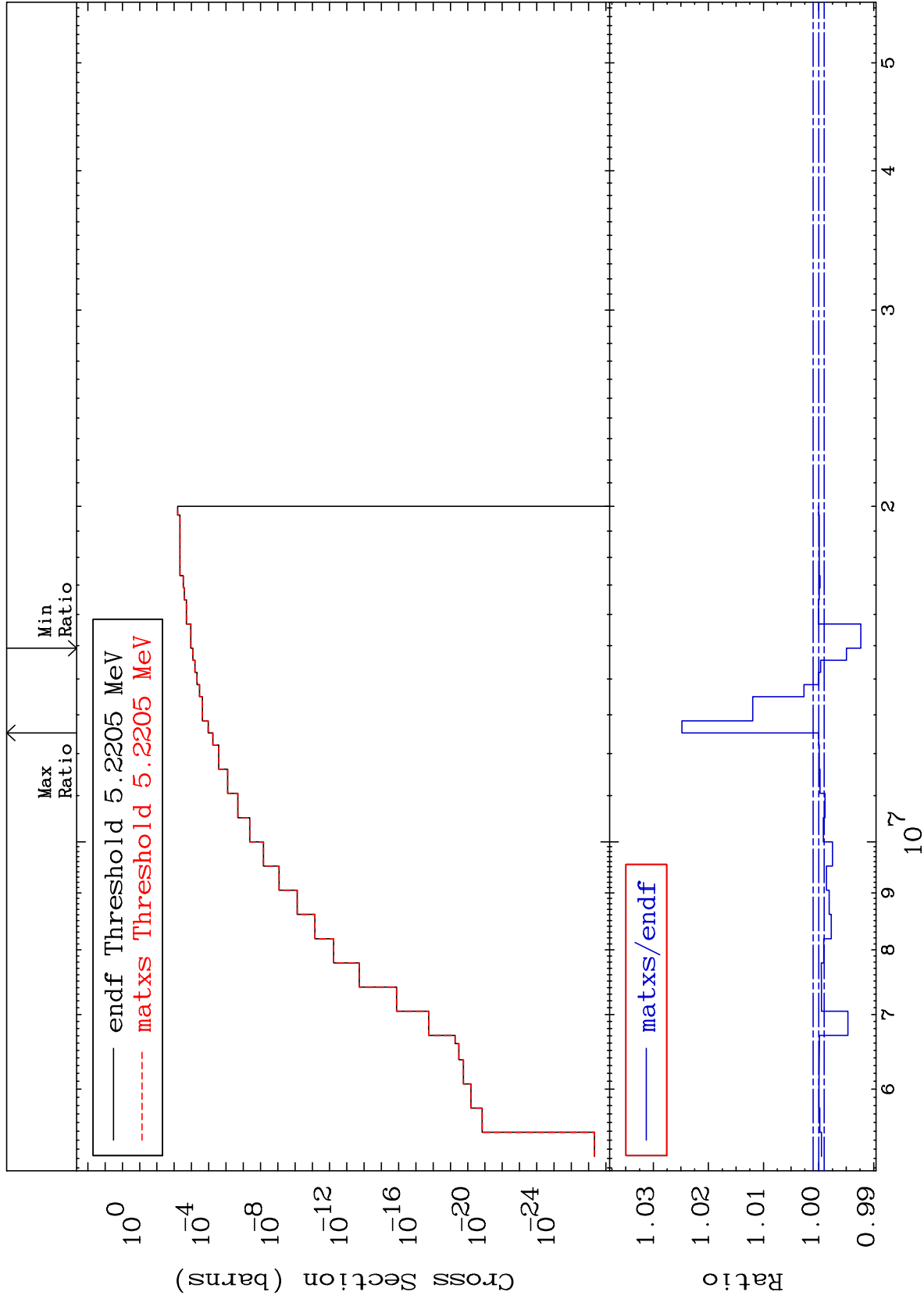
MAT 6431

(n, d)

64-Gd-154

Cross Section

-0.765 To 2.480 %



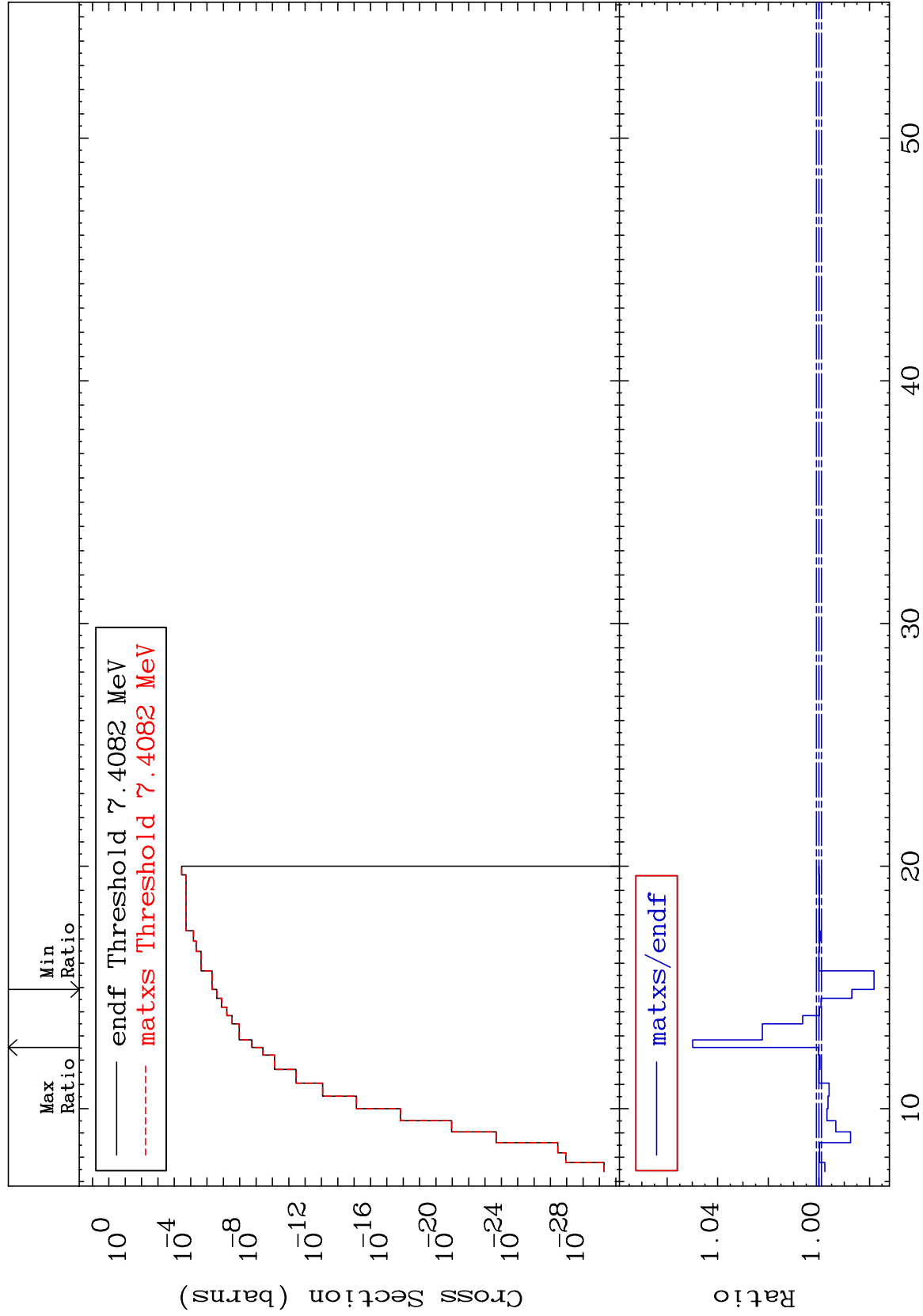
MAT 6431

(n, t)

64-Gd-154

Cross Section

-2.179 To 4.985 %



34

Incident Energy (MeV)

64-Gd-154

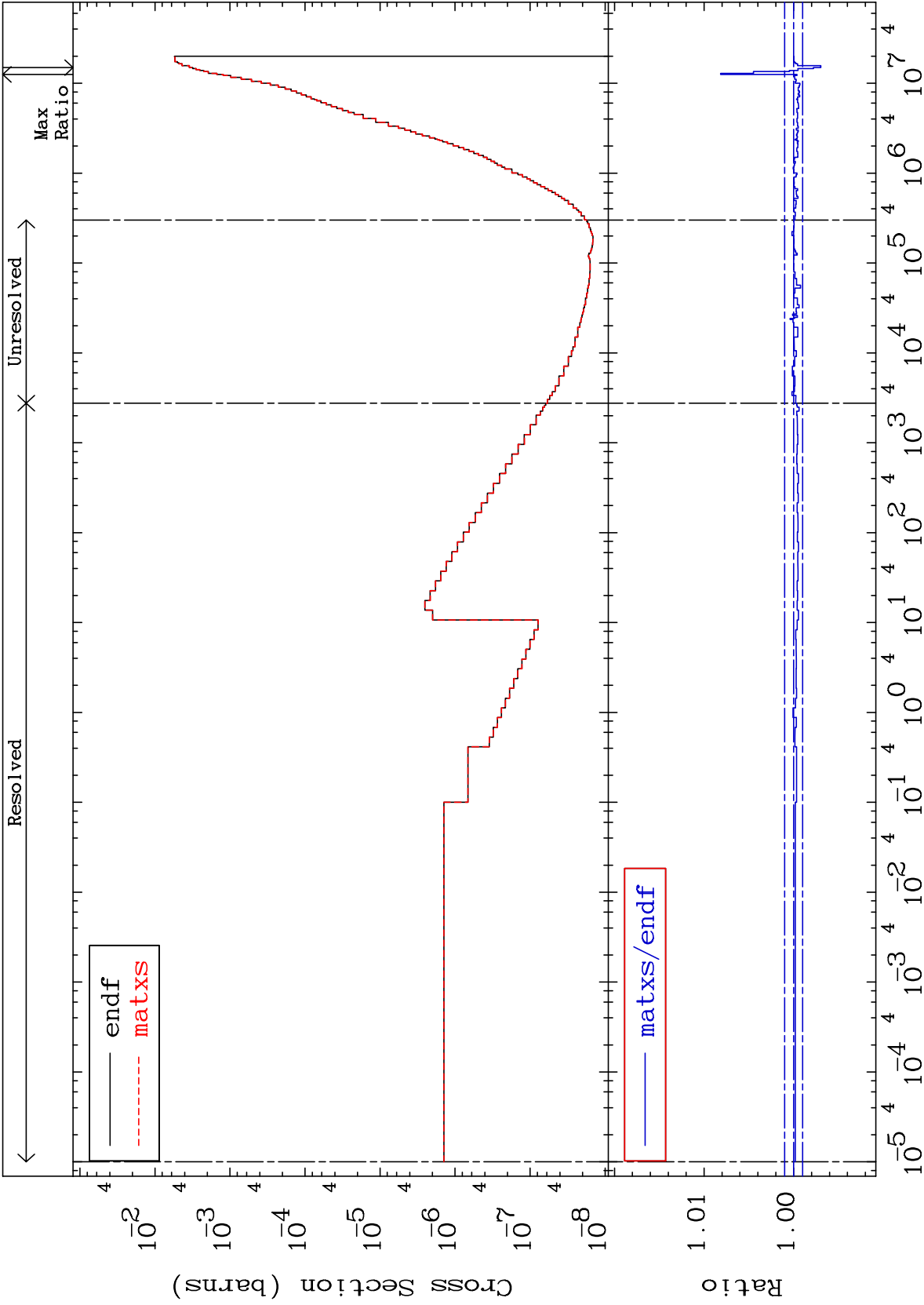
MAT 6431

(n,  $\alpha$ )

64-Gd-154

Cross Section

-0.303 To 0.814 %



35

Incident Energy (eV)

64-Gd-154