

Program Complot  
(Version 2015-2)

by

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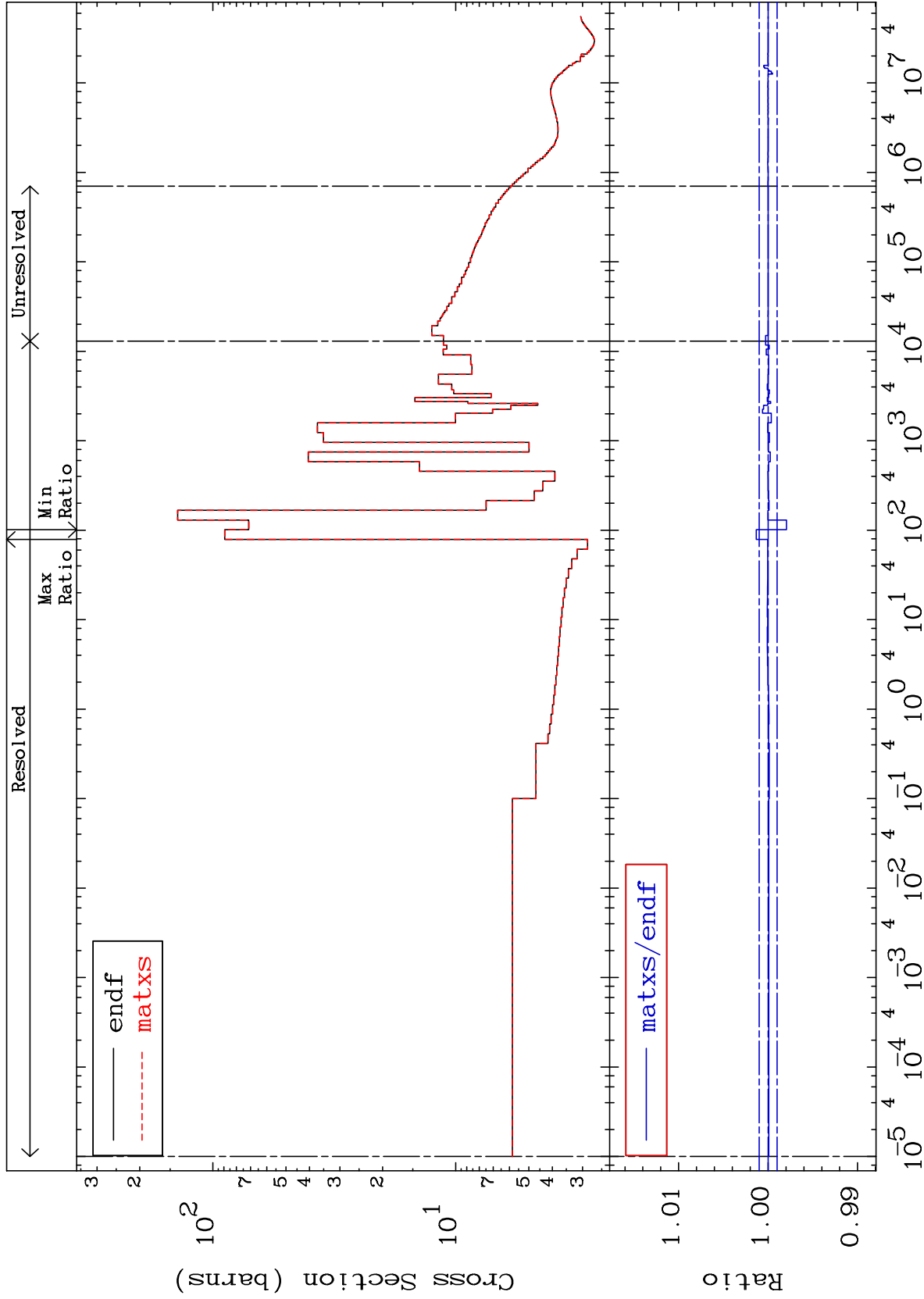
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

Web: [home.comcast.net/~redcullen1](http://home.comcast.net/~redcullen1)

Press Mouse Button to Start

MAT 3531

Total Cross Section  
35-Br-81  
-0.205 To 0.131 %

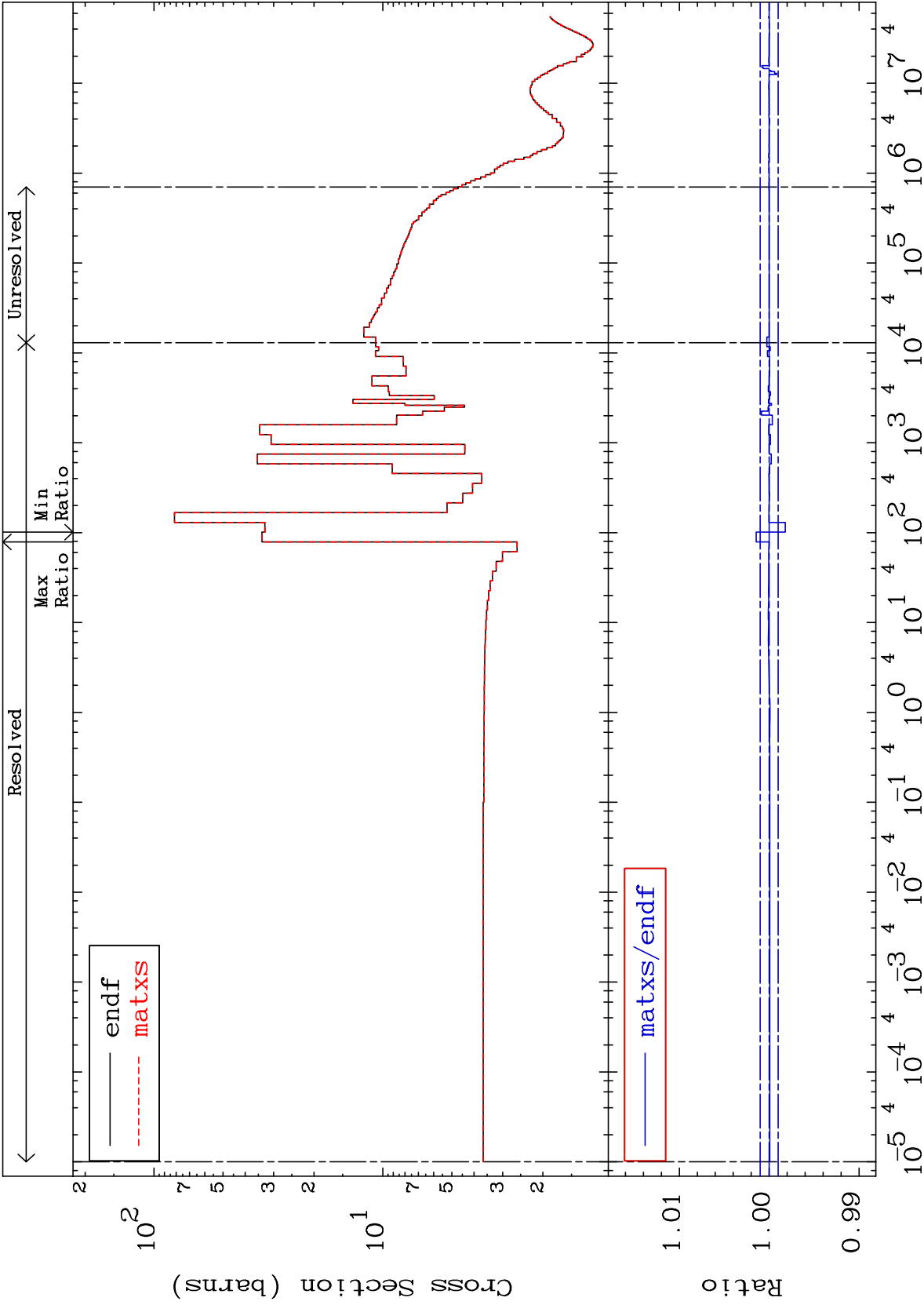


35-Br-81

MAT 3531

Elastic  
Cross Section

35-Br-81  
-0.180 To 0.145 %



2

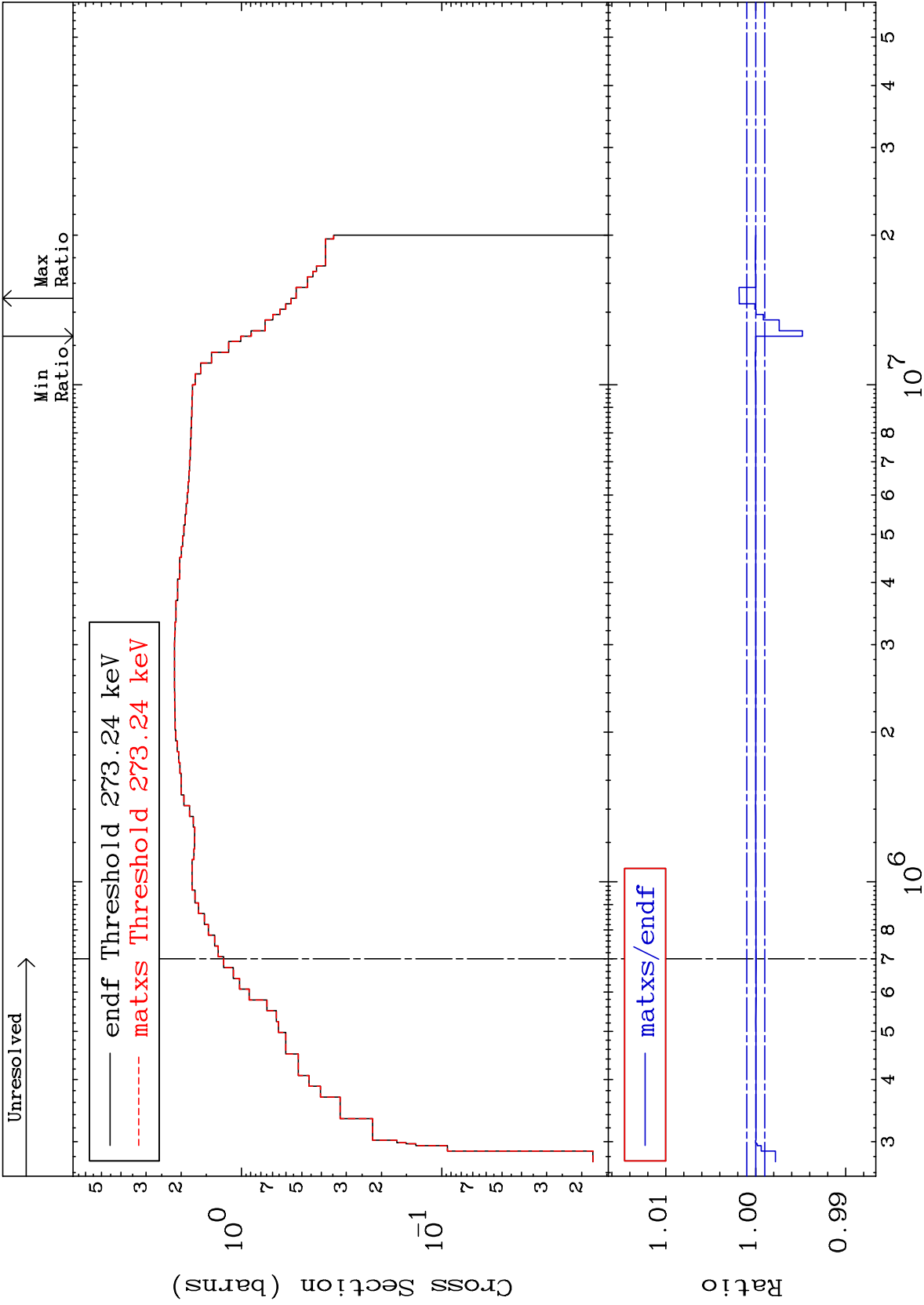
Incident Energy (eV)

35-Br-81

MAT 3531

Inelastic  
Cross Section

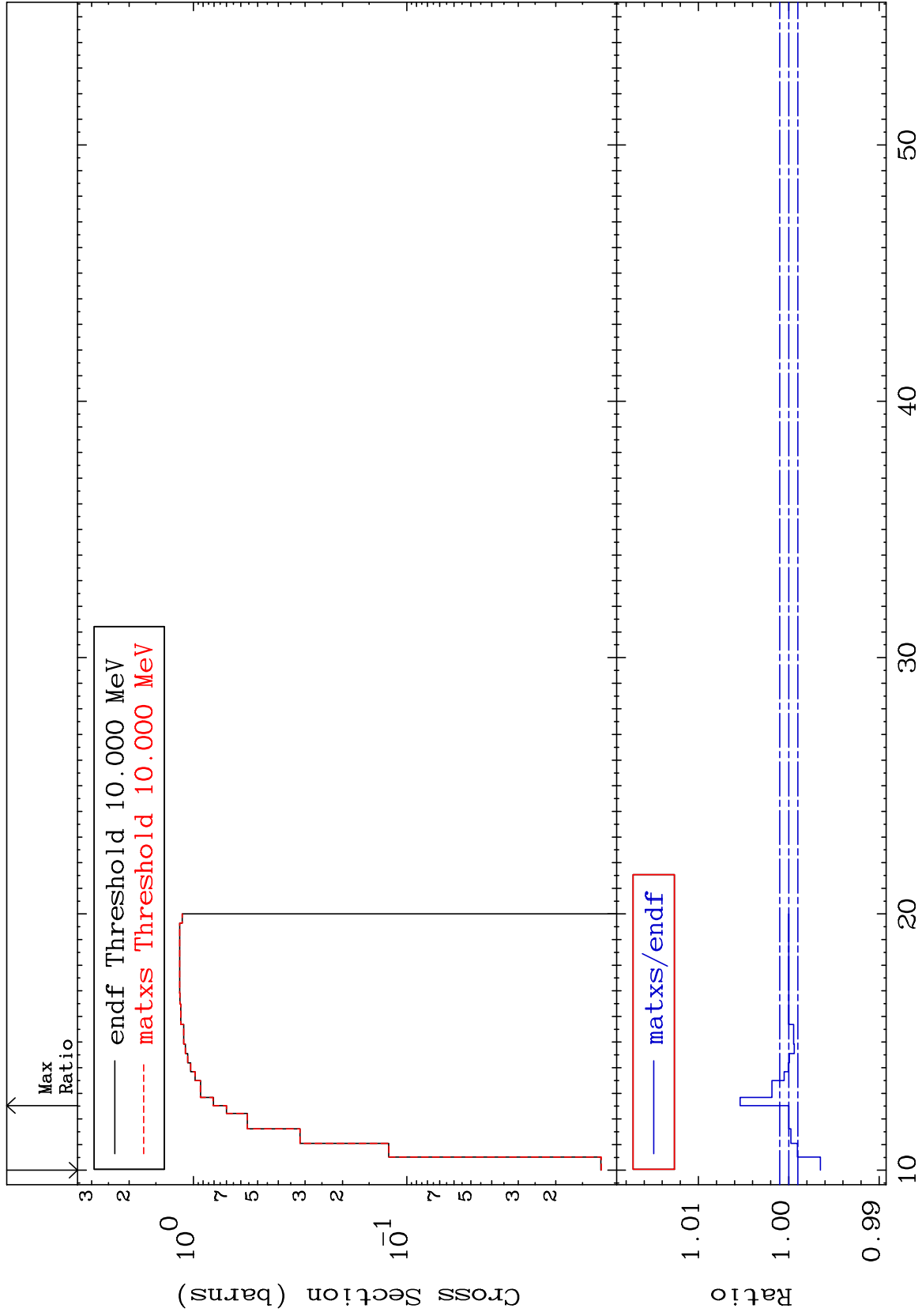
35-Br-81  
-0.519 To 0.187 %



MAT 3531

(n,2n)  
Cross Section

35-Br-81  
-0.350 To 0.538 %



4

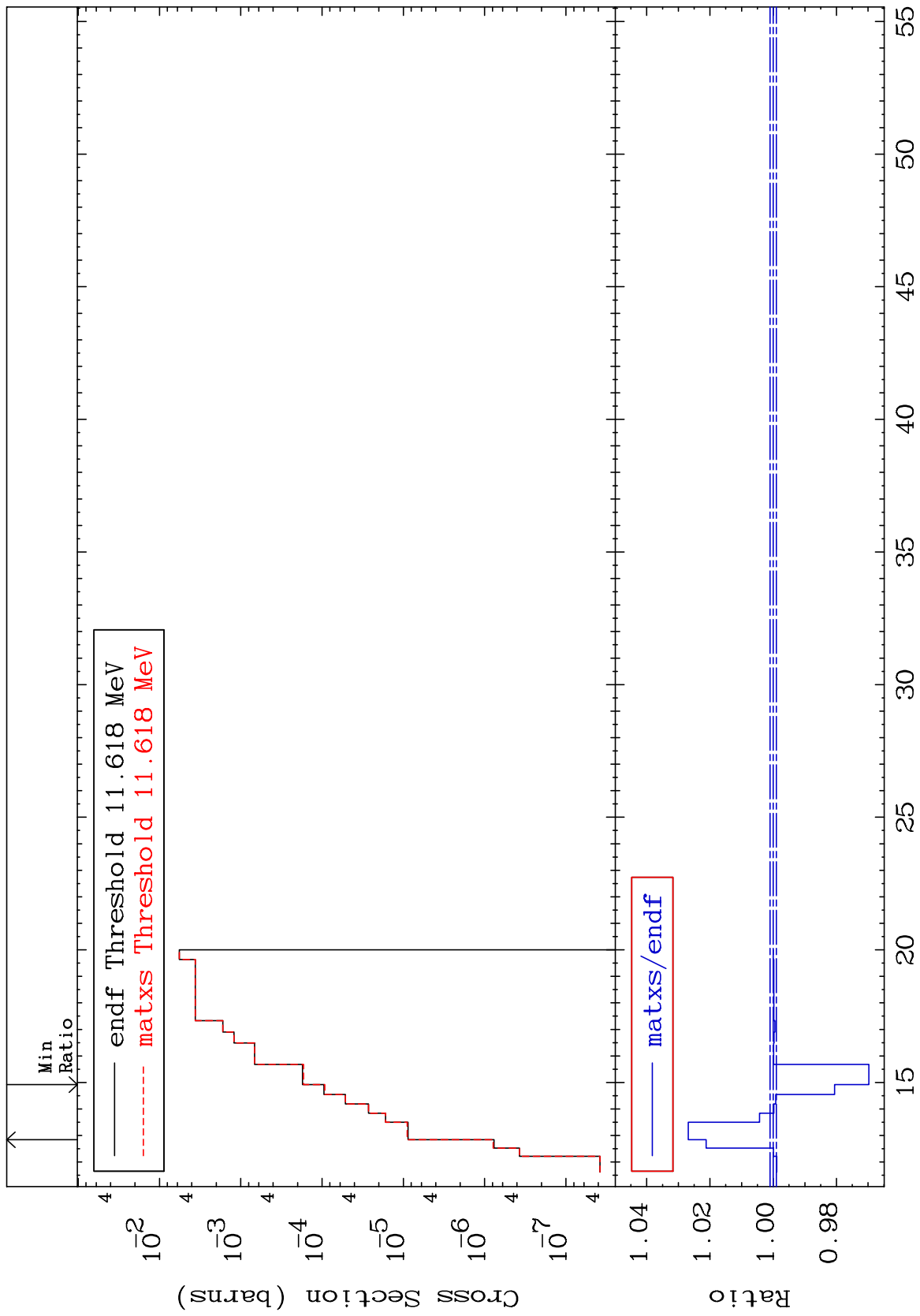
Incident Energy (MeV)

35-Br-81

MAT 3531

(n, n')  $\alpha$   
Cross Section

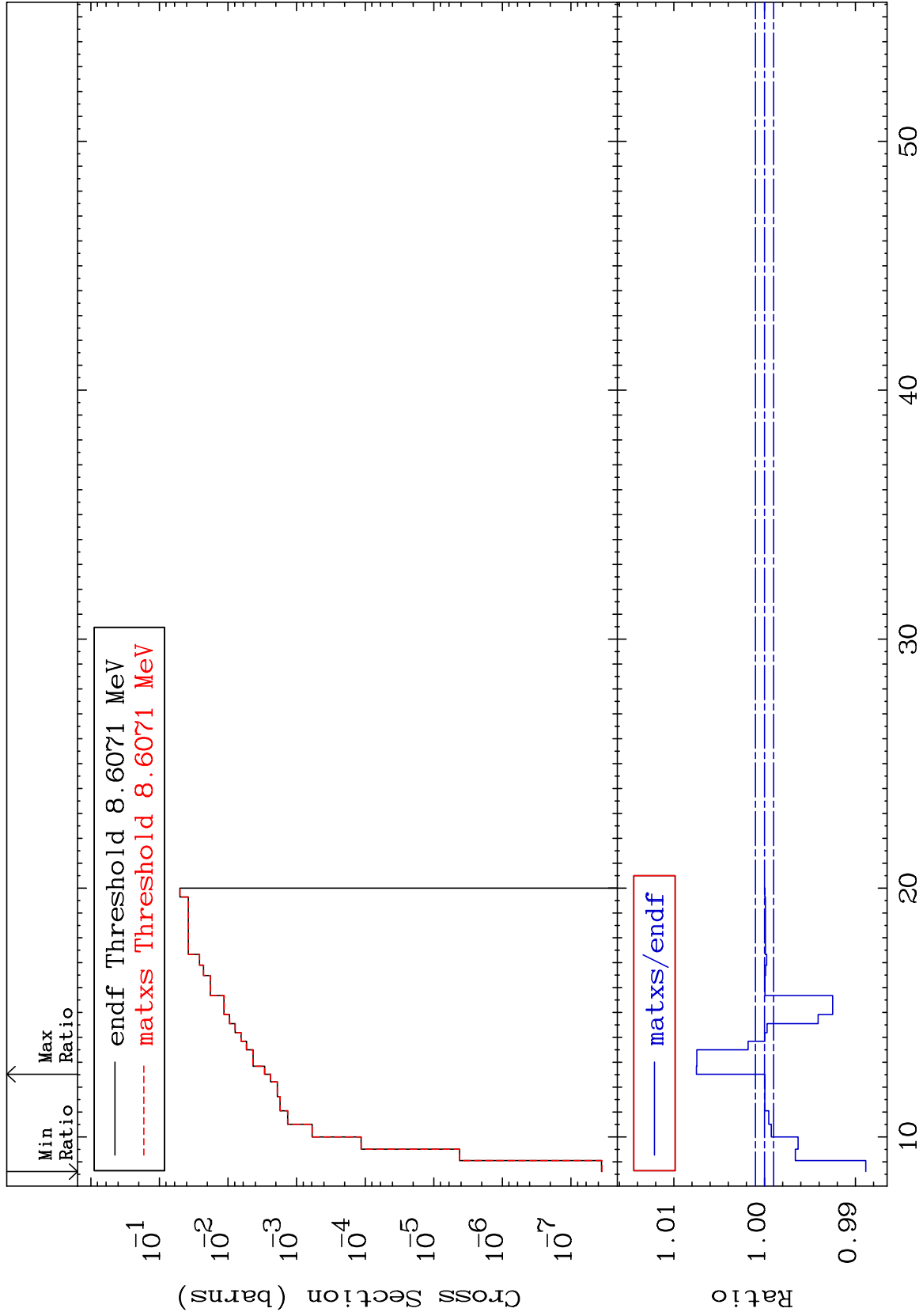
35-Br-81  
-3.024 To 2.685 %



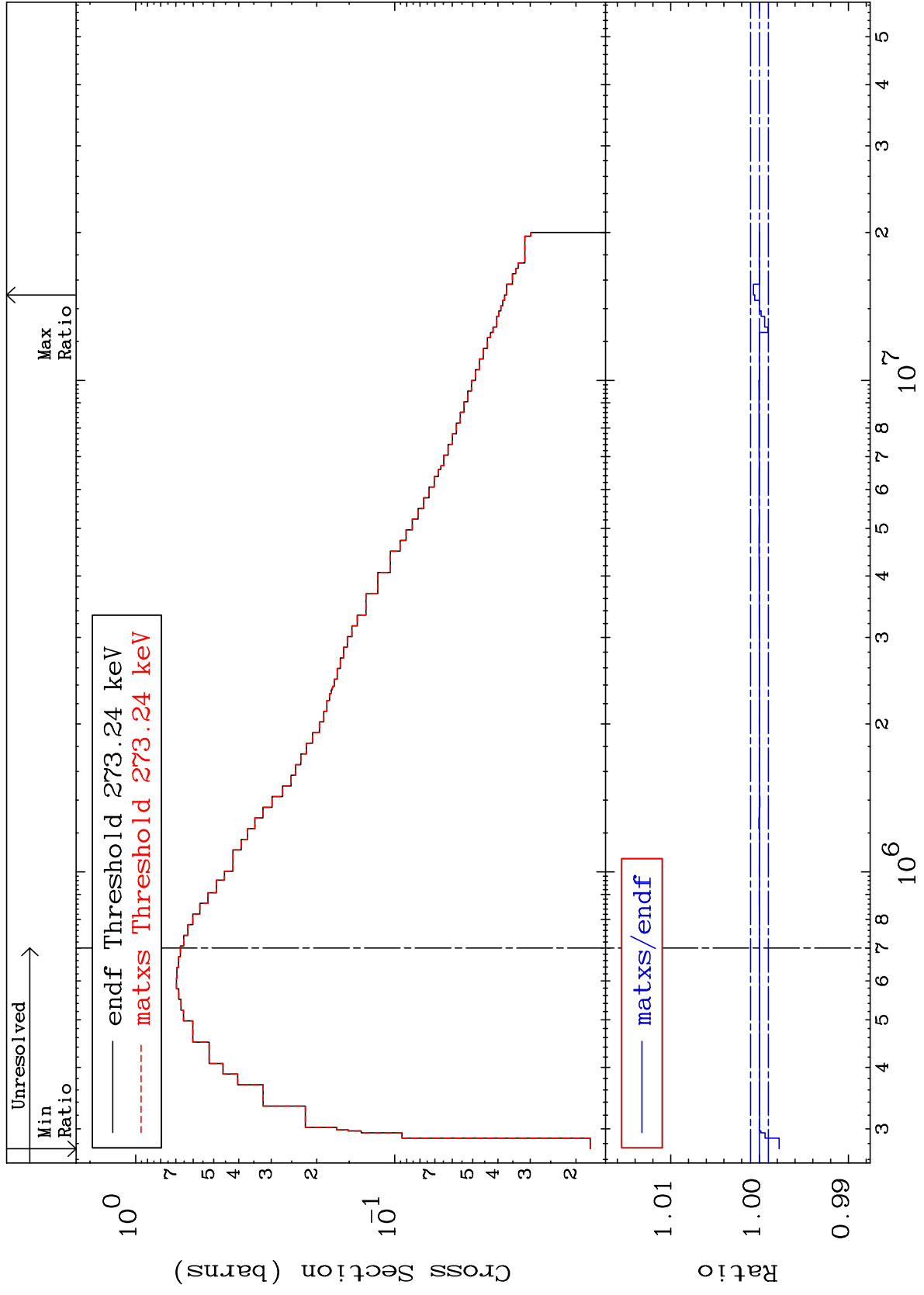
MAT 3531

(n, n') p  
Cross Section

35-Br-81  
-1.115 To 0.752 %



MAT 3531 276.0 keV (n,n') Level 35-Br-81  
 Cross Section -0.219 To 0.069 %



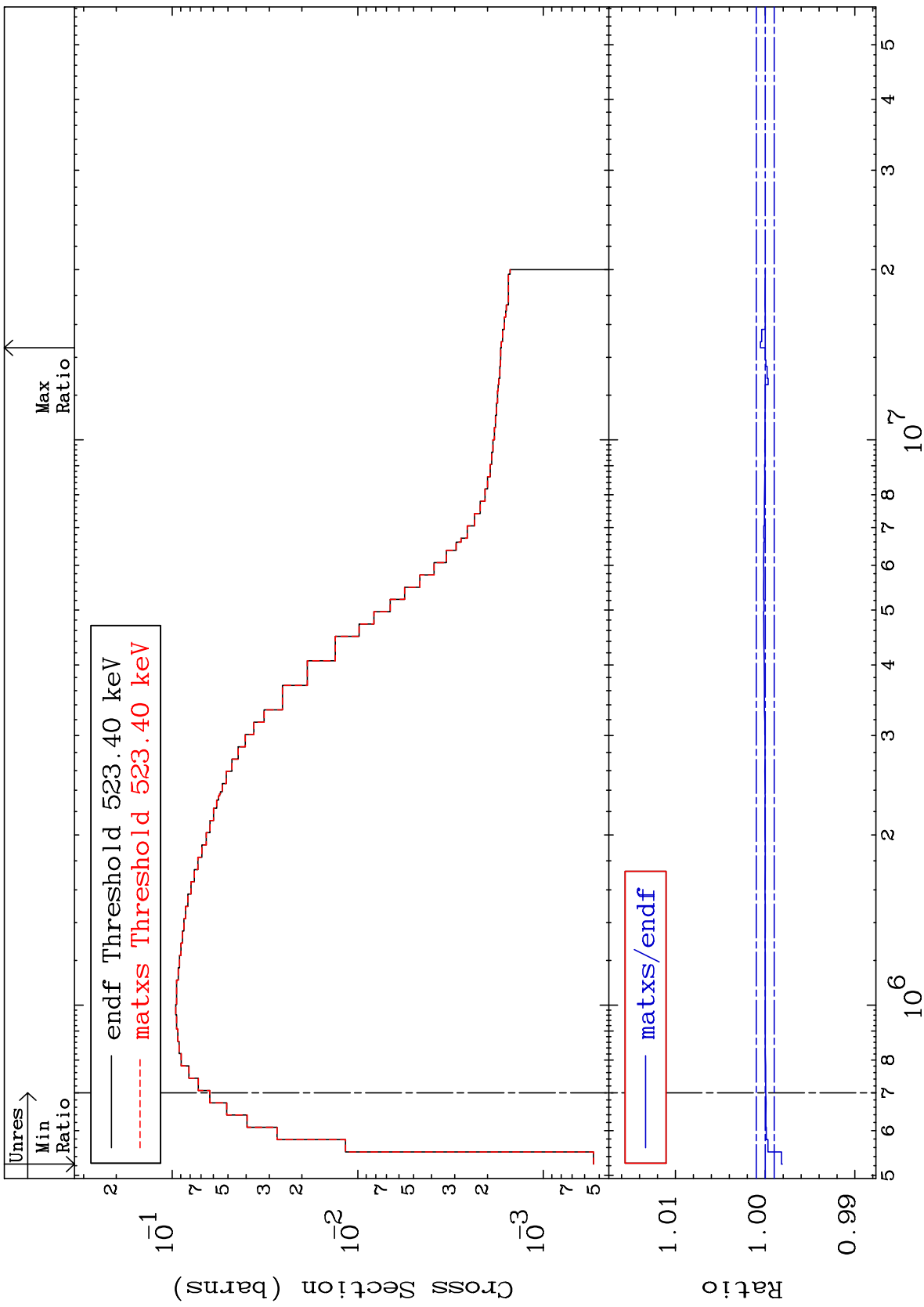
7 35-Br-81 Incident Energy (eV)



MAT 3531

536.2 keV (n,n') Level  
Cross Section

35-Br-81  
-0.182 To 0.053 %



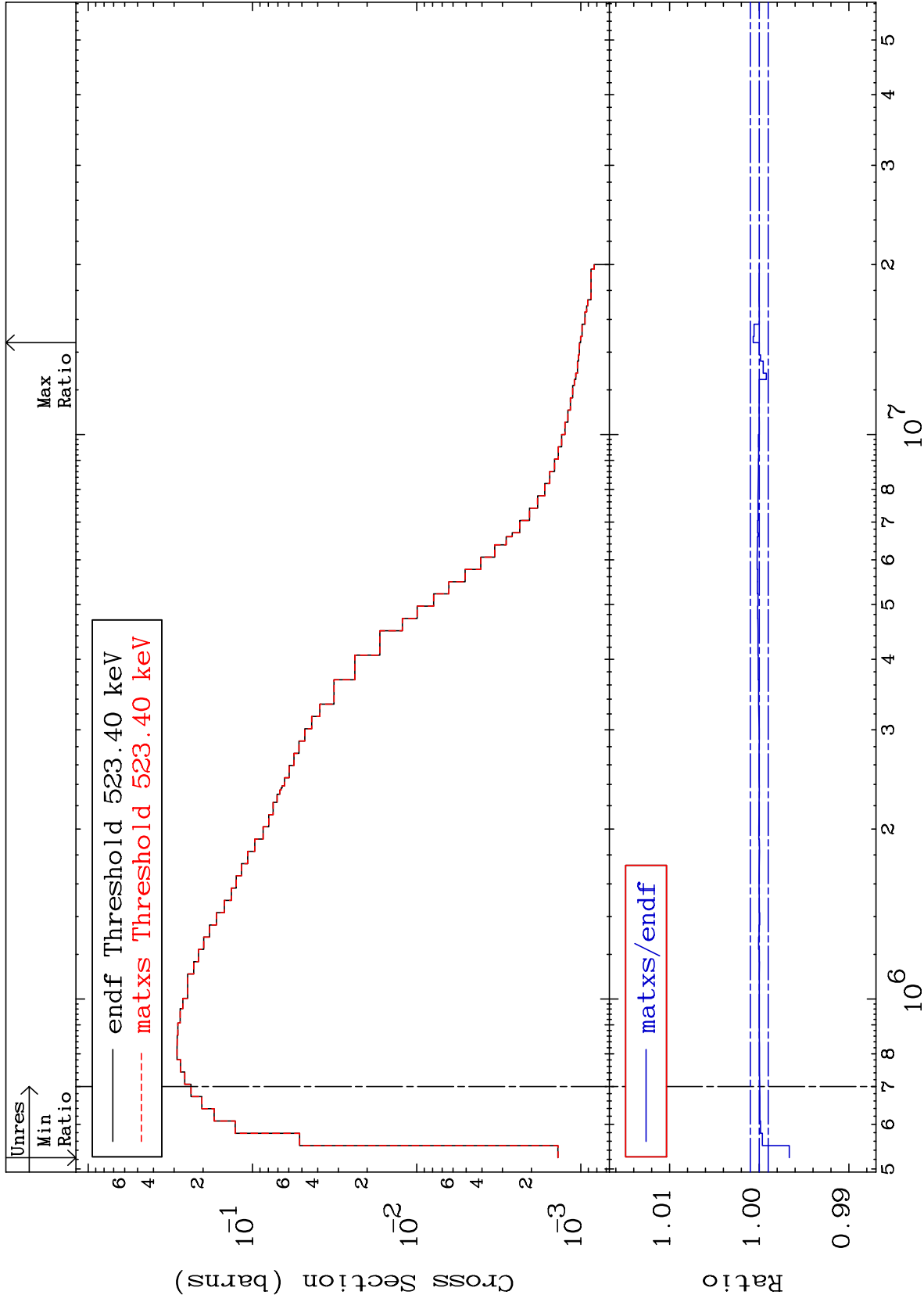
8

35-Br-81

MAT 3531

538.2 keV (n,n') Level  
Cross Section

35-Br-81  
-0.334 To 0.068 %



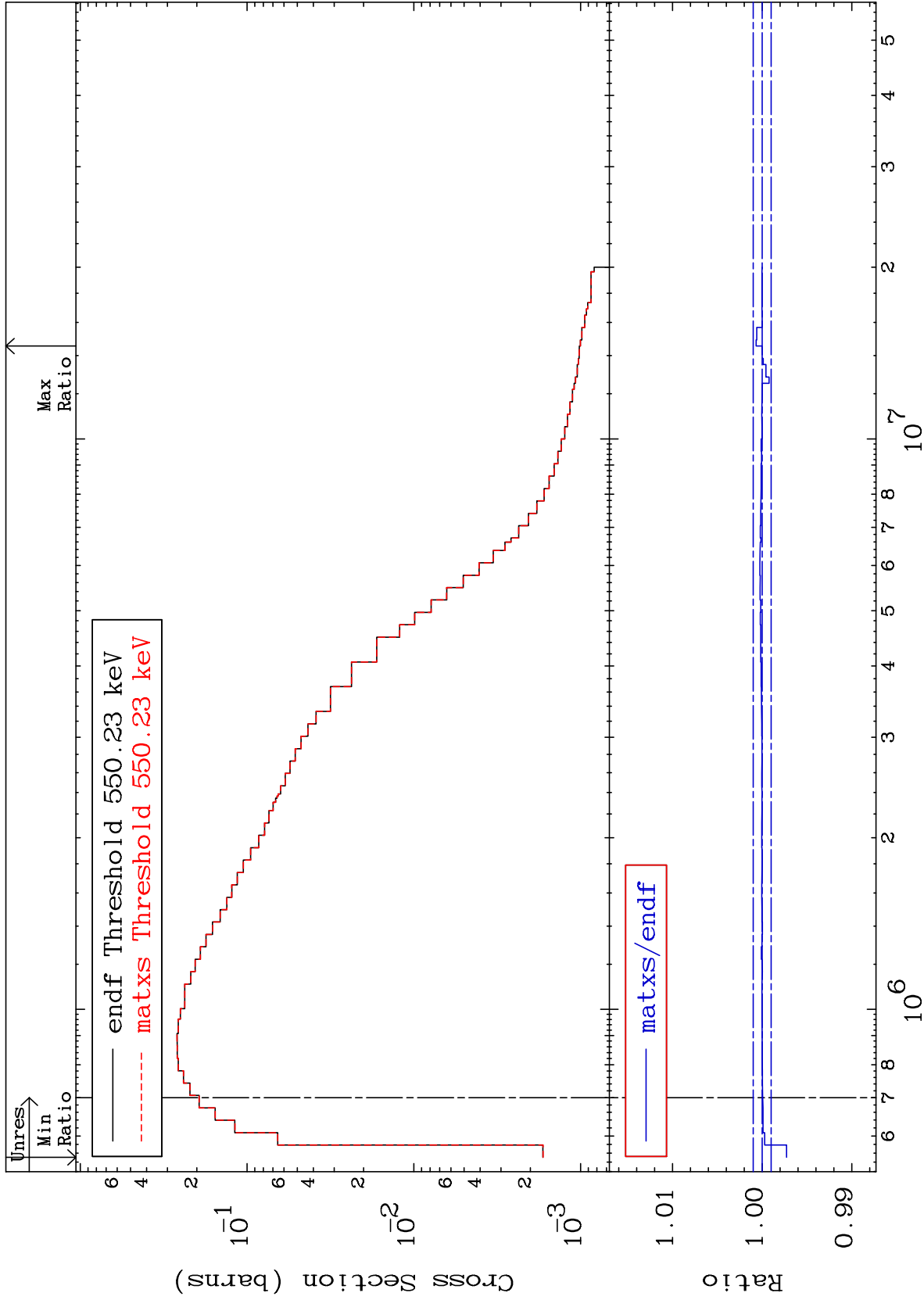
9

35-Br-81

MAT 3531

566.0 keV (n,n') Level  
Cross Section

35-Br-81  
-0.272 To 0.068 %



10

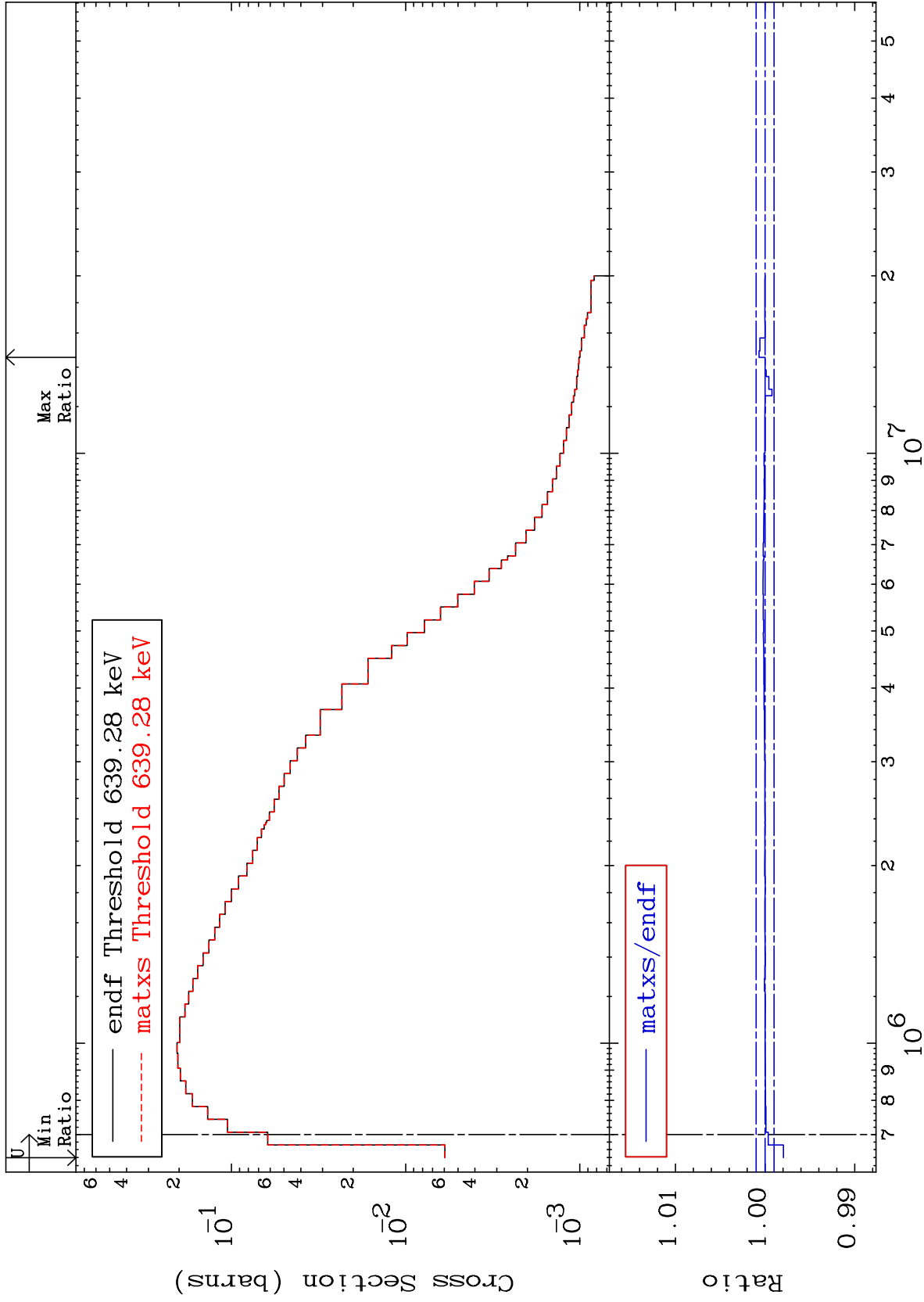
Incident Energy (eV)

35-Br-81

MAT 3531

649.9 keV (n,n') Level  
Cross Section

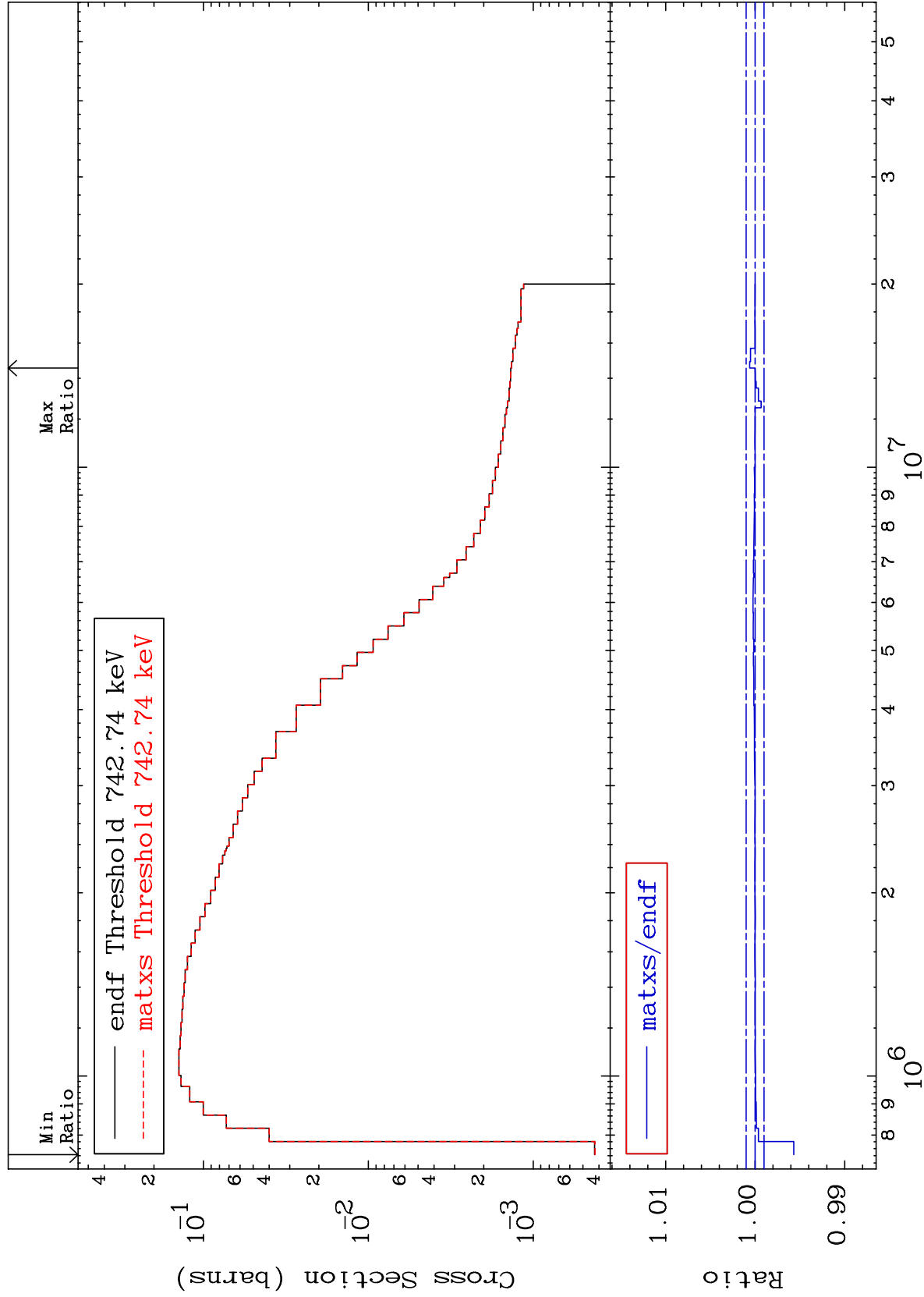
35-Br-81  
-0.205 To 0.067 %



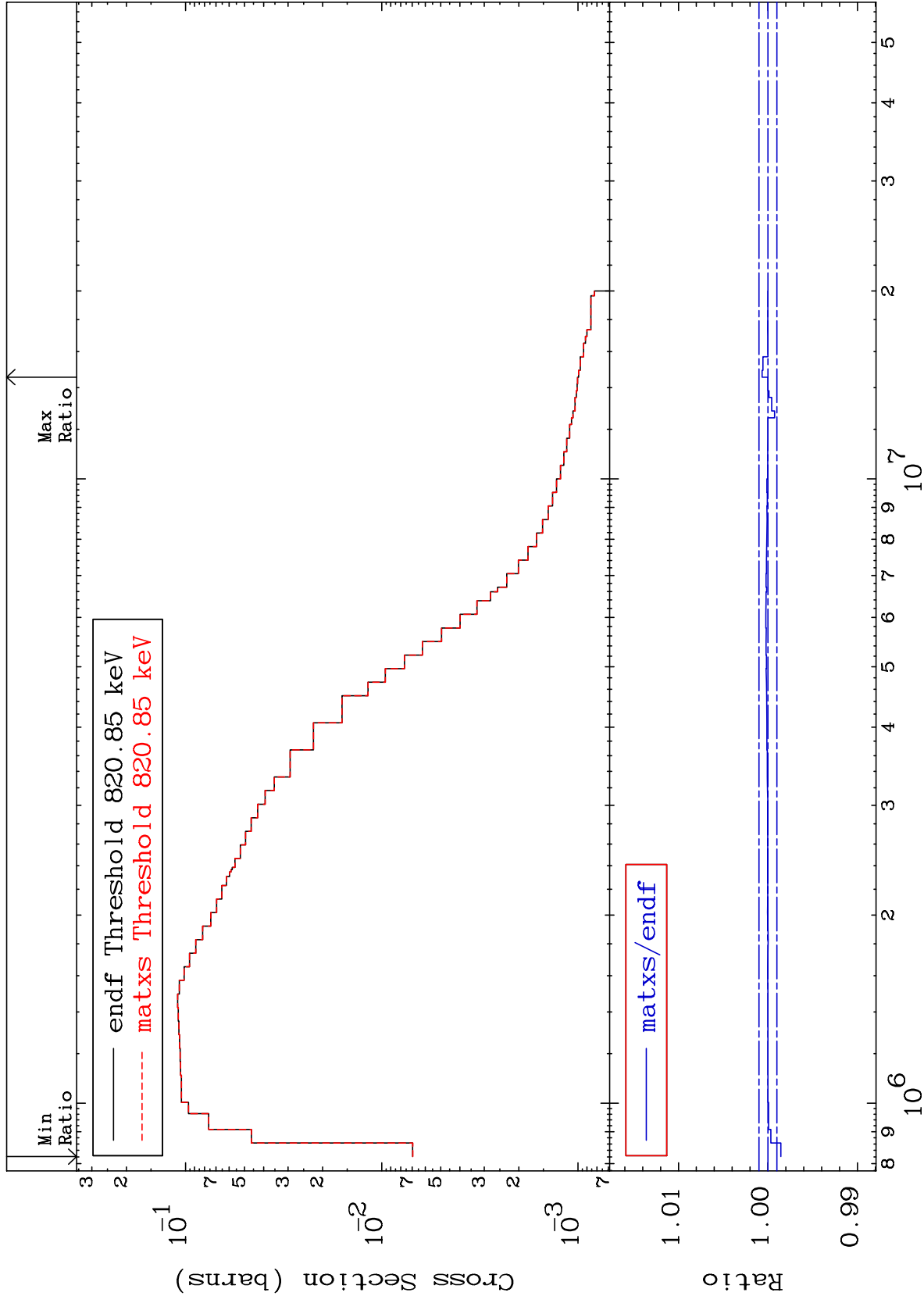
MAT 3531

767.2 keV (n,n') Level  
Cross Section

35-Br-81  
-0.431 To 0.062 %



MAT 3531 828.3 keV (n,n') Level  
Cross Section 35-Br-81  
-0.143 To 0.066 %



35-Br-81

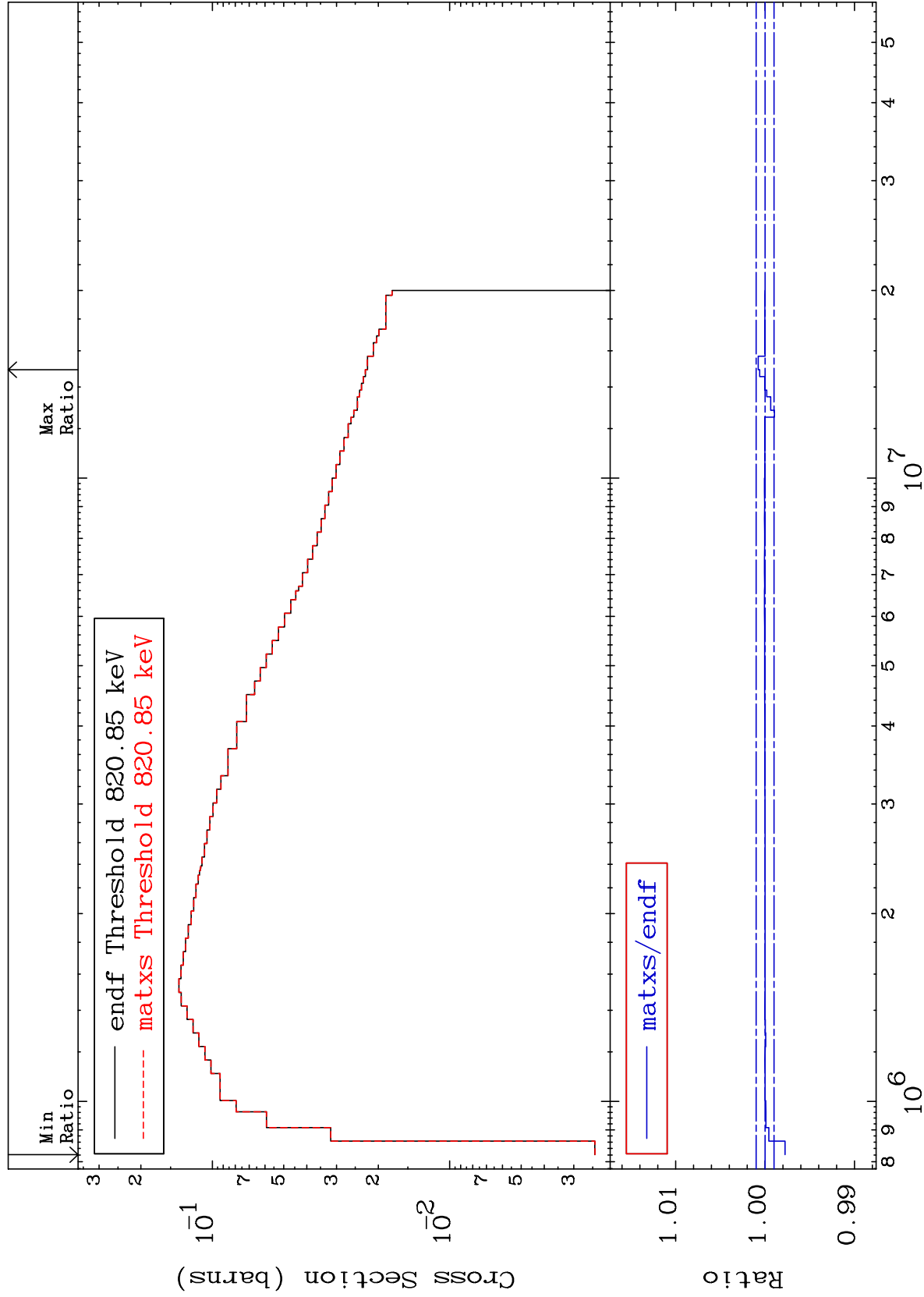
Incident Energy (eV)

13

MAT 3531

836.8 keV (n,n') Level  
Cross Section

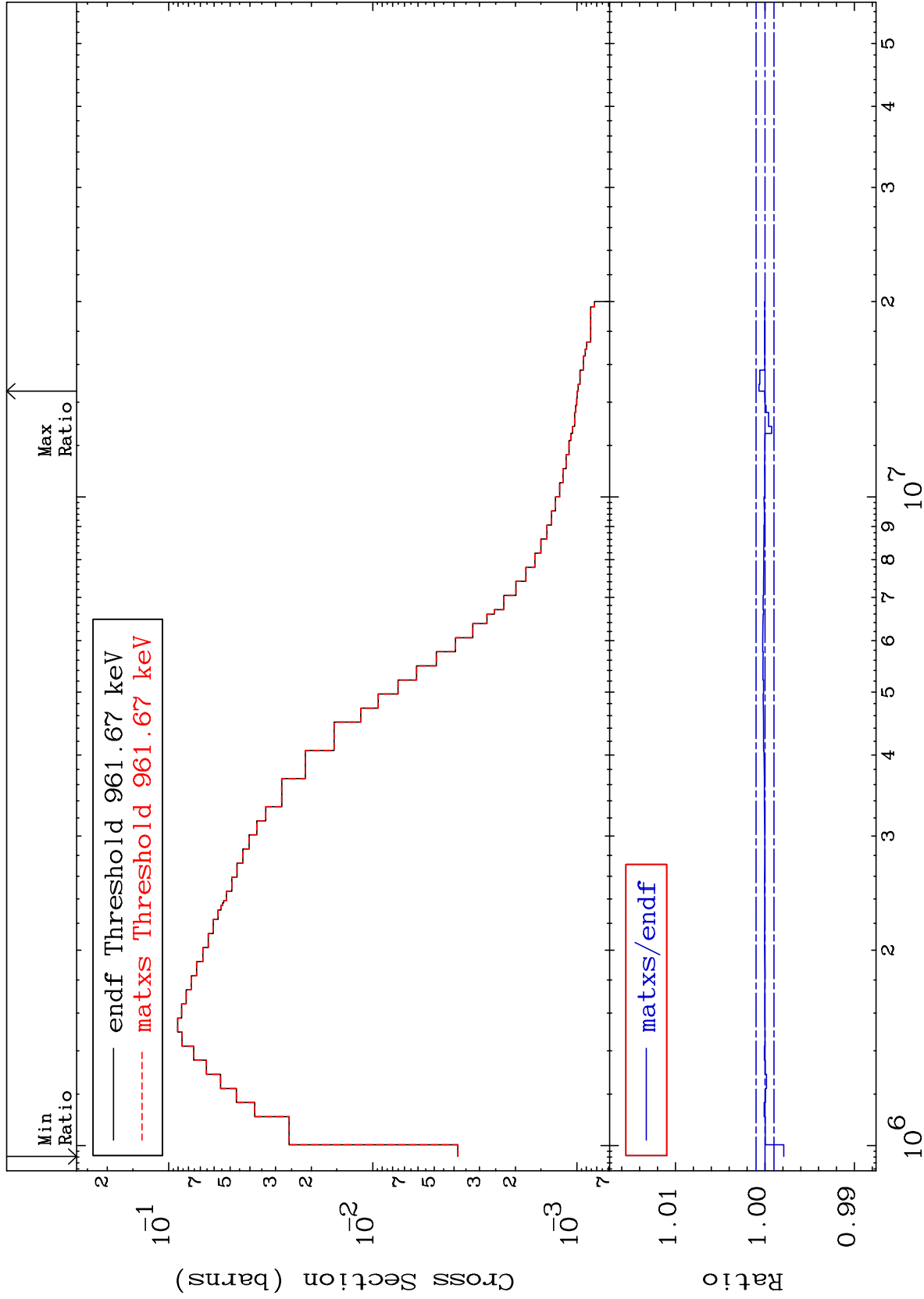
35-Br-81  
-0.224 To 0.077 %



MAT 3531

975.0 keV (n,n') Level  
Cross Section

35-Br-81  
-0.210 To 0.066 %



35-Br-81

Incident Energy (eV)

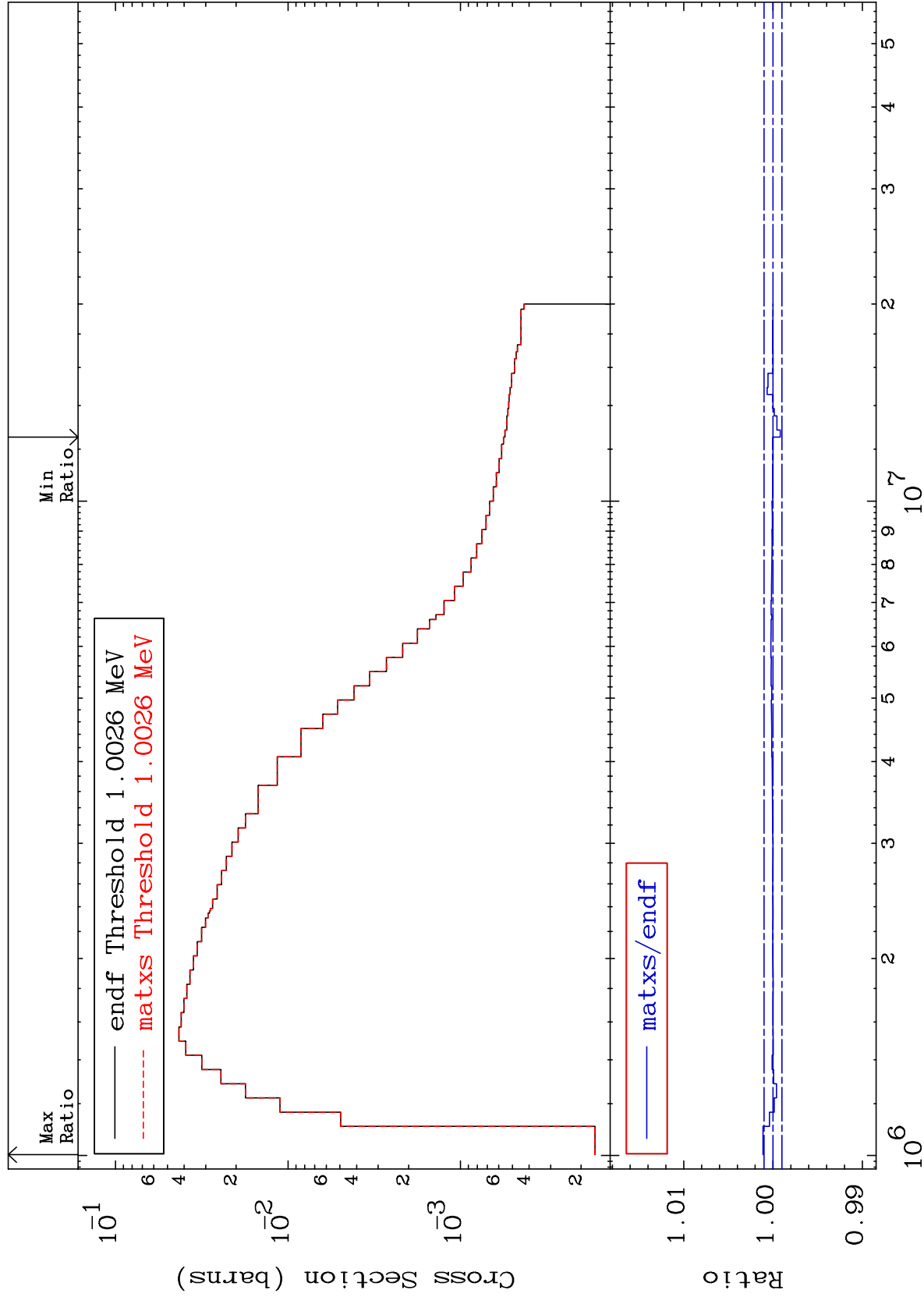
15



MAT 3531

1.076 MeV (n,n') Level  
Cross Section

35-Br-81  
-0.080 To 0.112 %



16

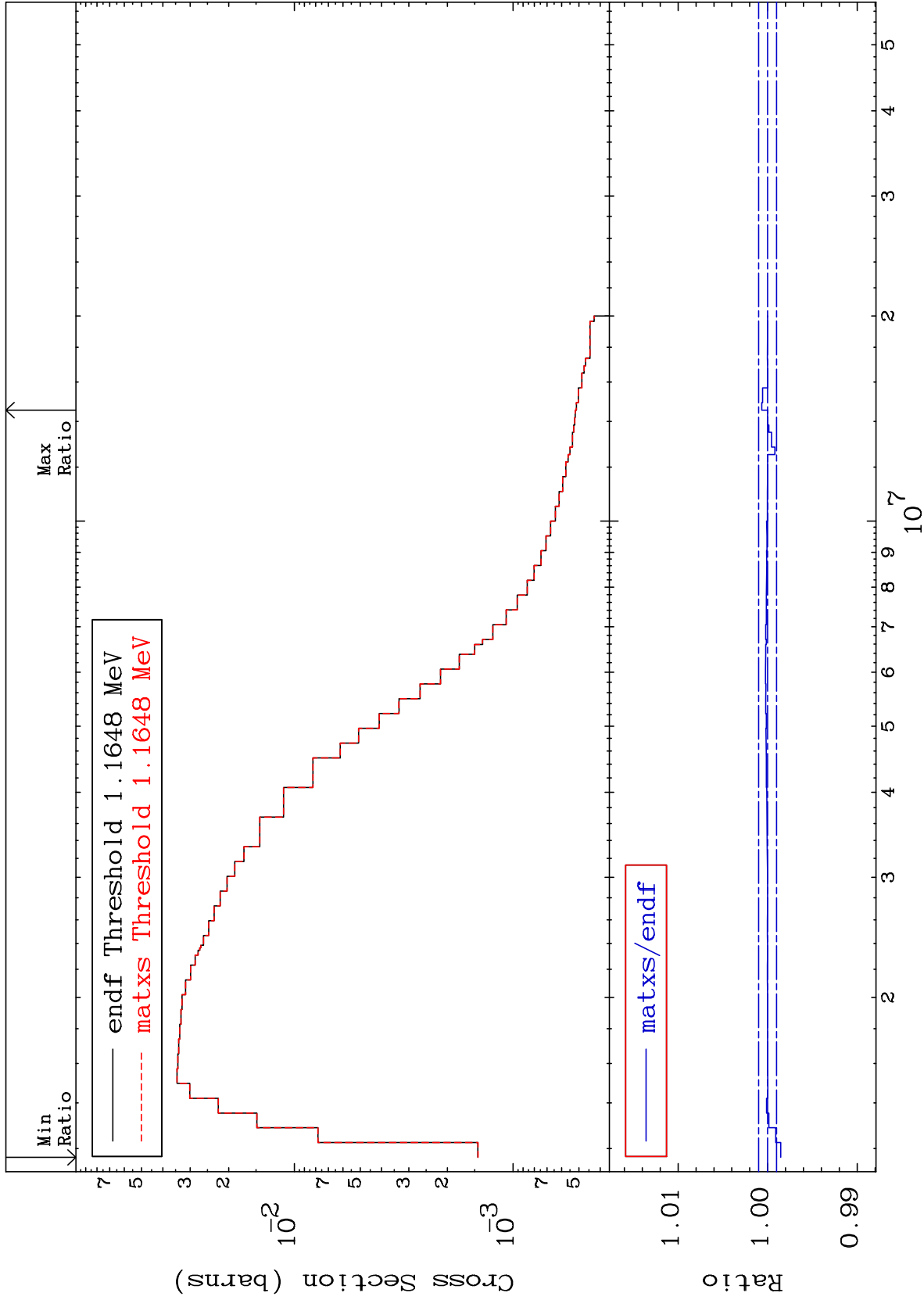
Incident Energy (eV)

35-Br-81

MAT 3531

1.170 MeV (n,n') Level  
Cross Section

35-Br-81  
-0.147 To 0.066 %



17

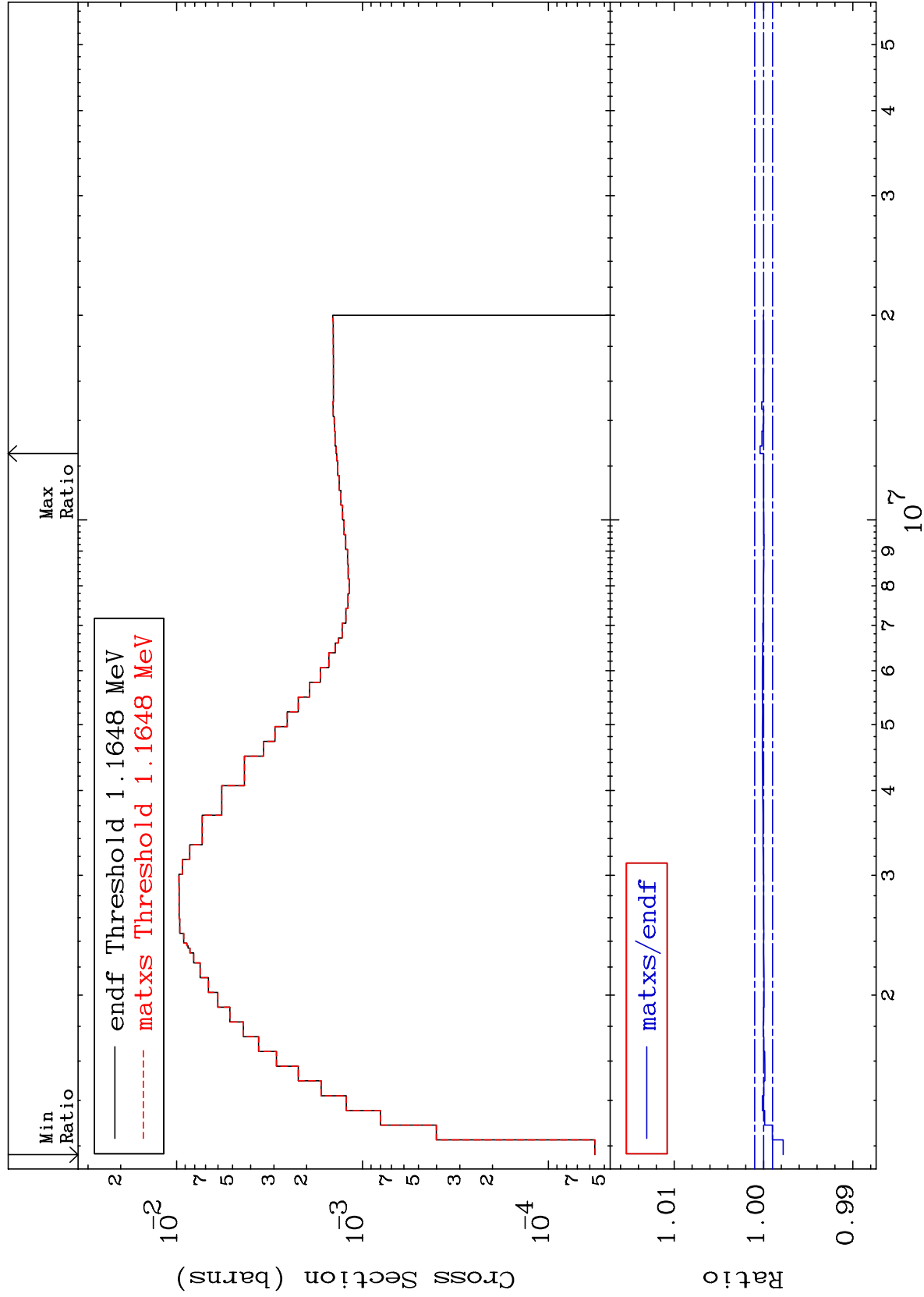
Incident Energy (eV)

35-Br-81

MAT 3531

1.177 MeV (n,n') Level  
Cross Section

35-Br-81  
-0.220 To 0.038 %



18

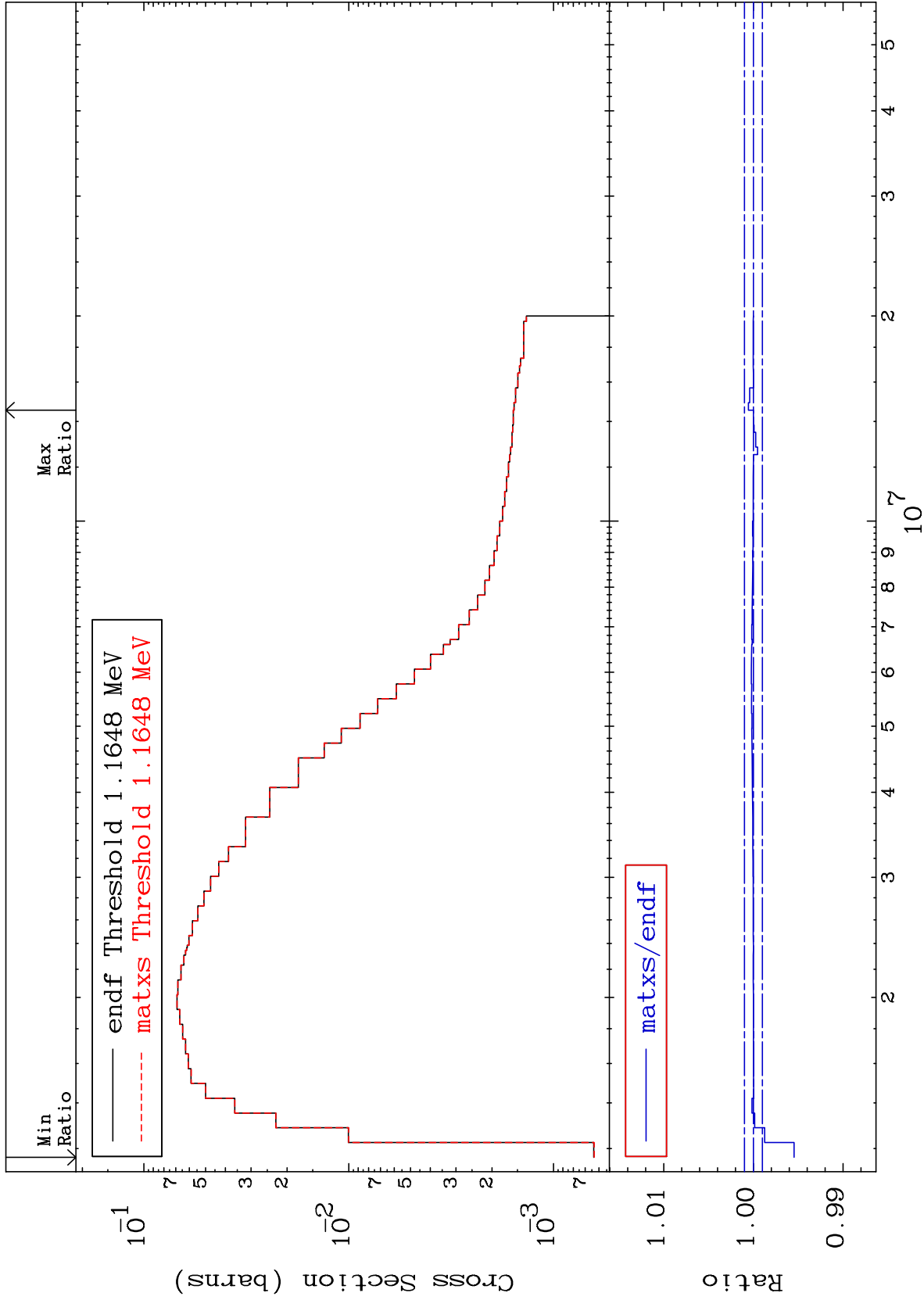
Incident Energy (eV)

35-Br-81

MAT 3531

1.190 MeV (n,n') Level  
Cross Section

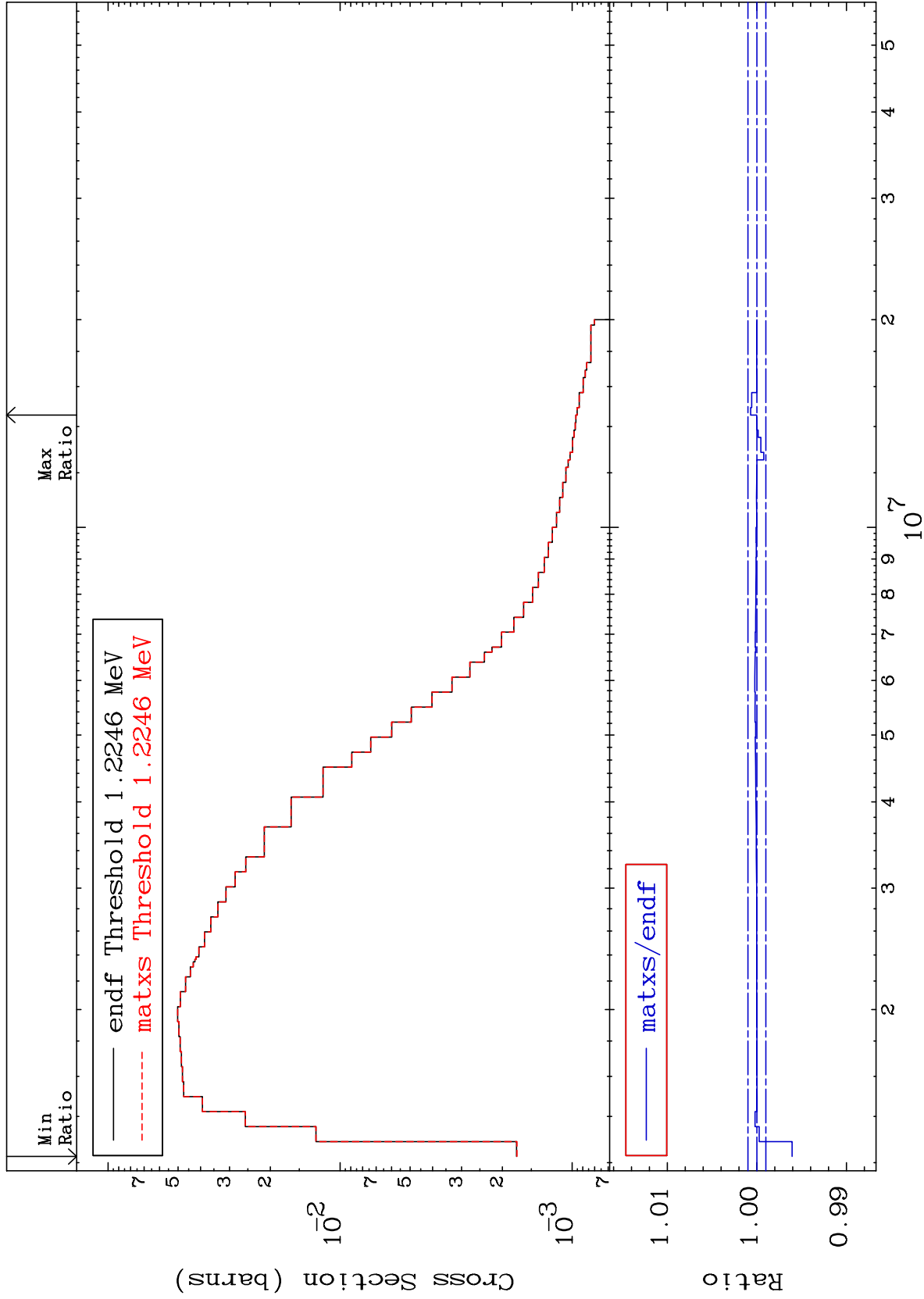
35-Br-81  
-0.454 To 0.055 %



MAT 3531

1.238 MeV (n,n') Level  
Cross Section

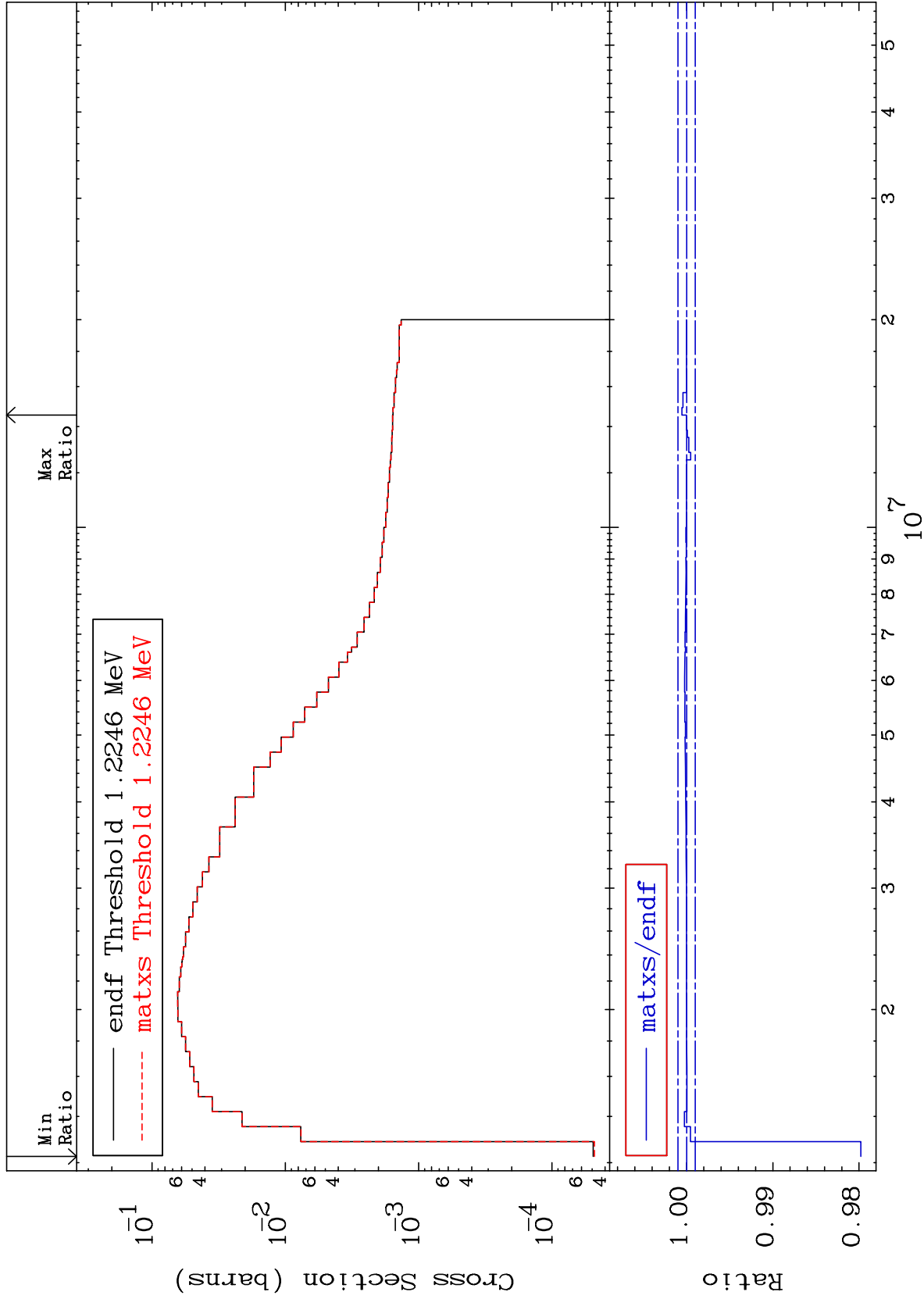
35-Br-81  
-0.394 To 0.069 %



MAT 3531

1.266 MeV (n,n') Level  
Cross Section

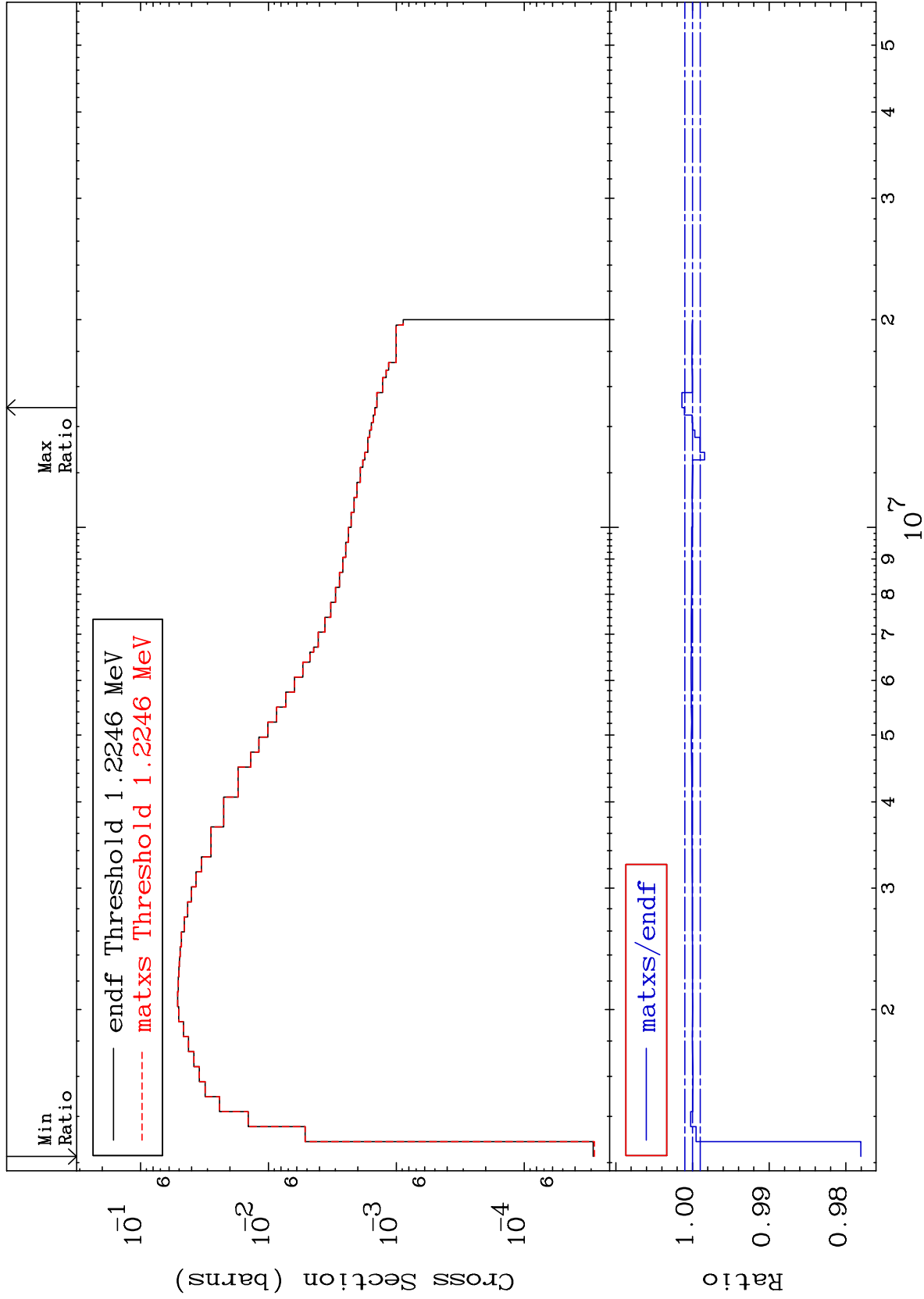
35-Br-81  
-2.021 To 0.054 %



MAT 3531

1.266 MeV (n,n') Level  
Cross Section

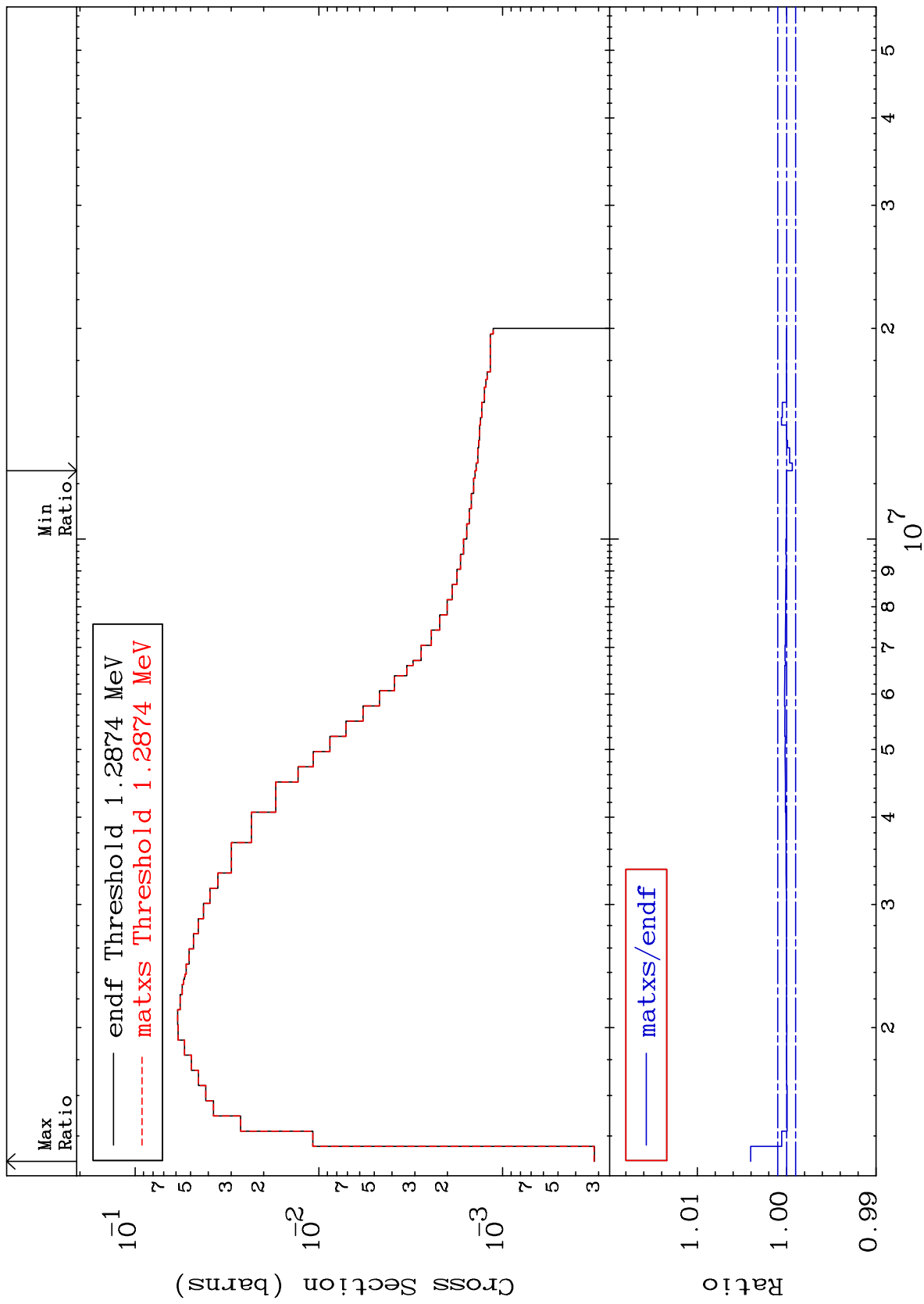
35-Br-81  
-2.195 To 0.137 %



MAT 3531

1.323 MeV (n,n') Level  
Cross Section

35-Br-81  
-0.062 To 0.404 %

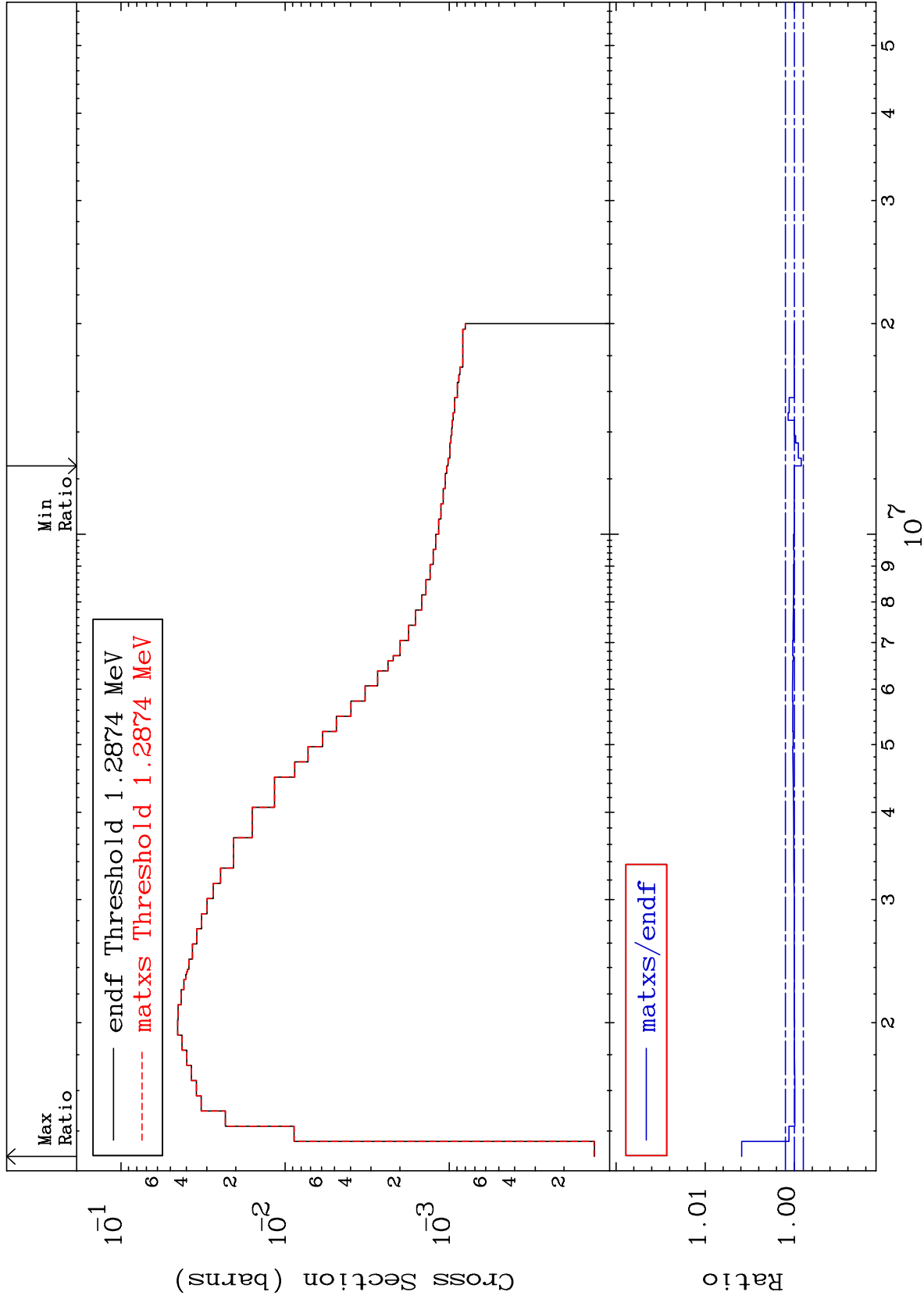




MAT 3531

1.327 MeV (n,n') Level  
Cross Section

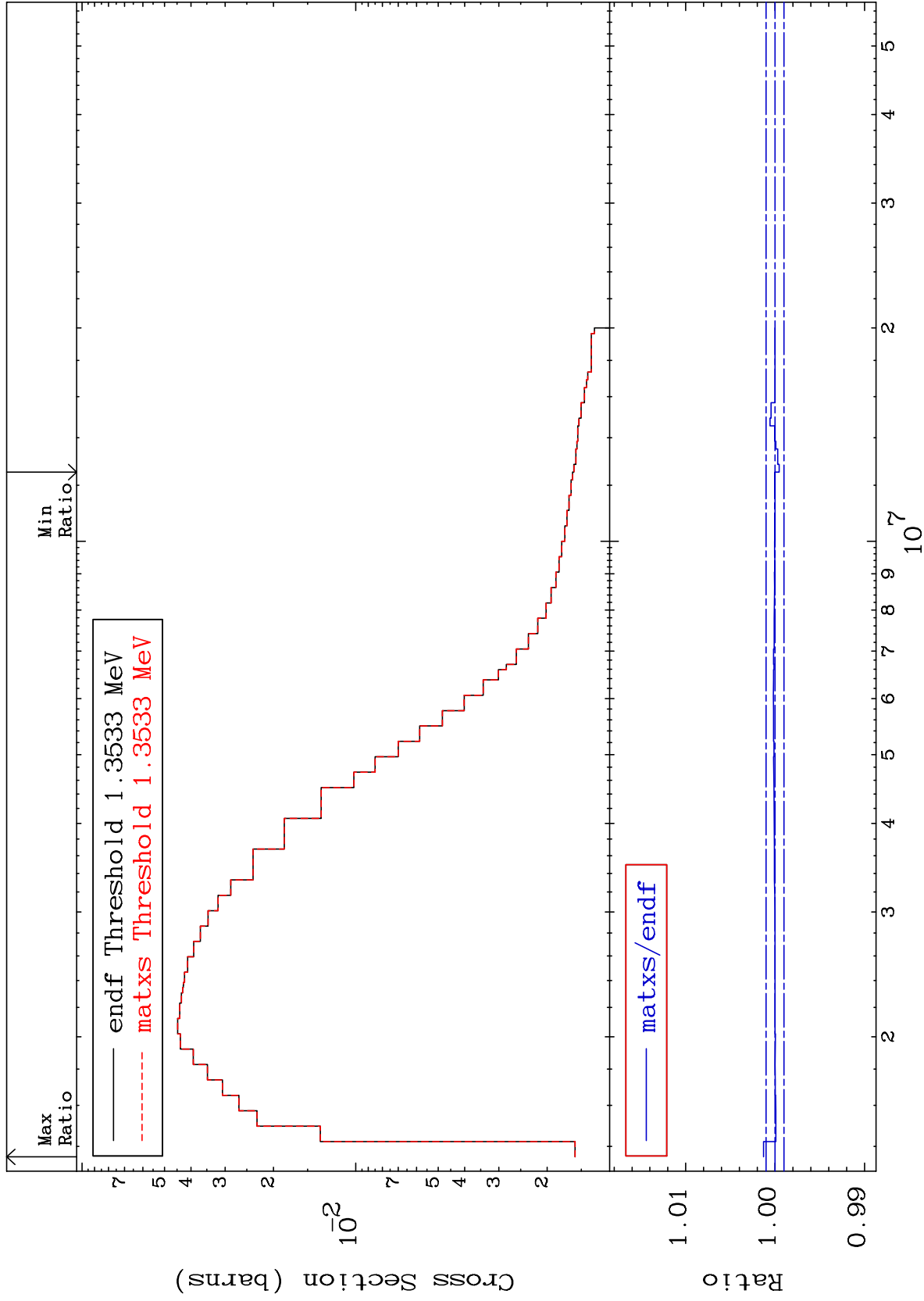
35-Br-81  
-0.076 To 0.592 %



MAT 3531

1.372 MeV (n,n') Level  
Cross Section

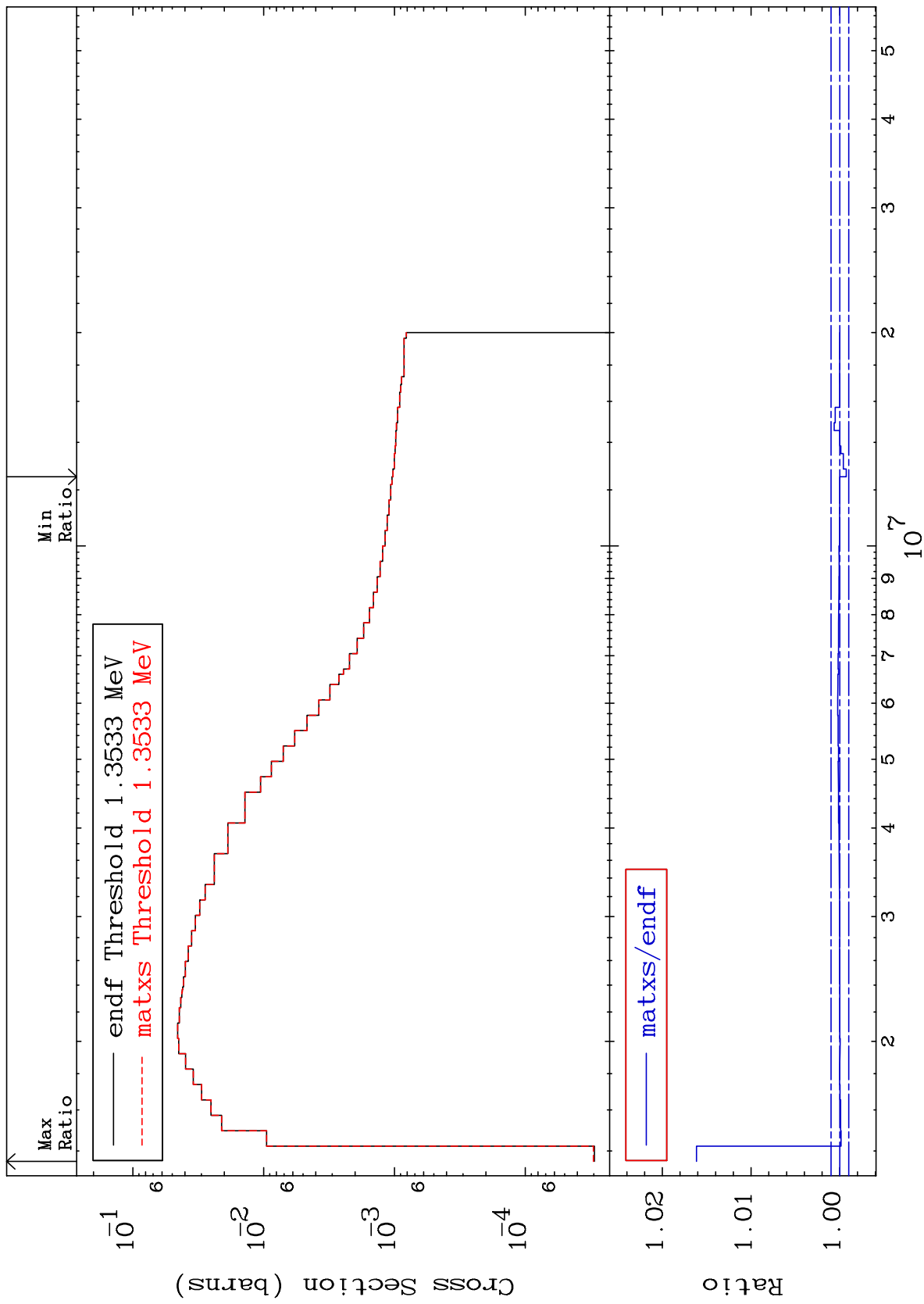
35-Br-81  
-0.046 To 0.128 %



MAT 3531

1.401 MeV (n,n') Level  
Cross Section

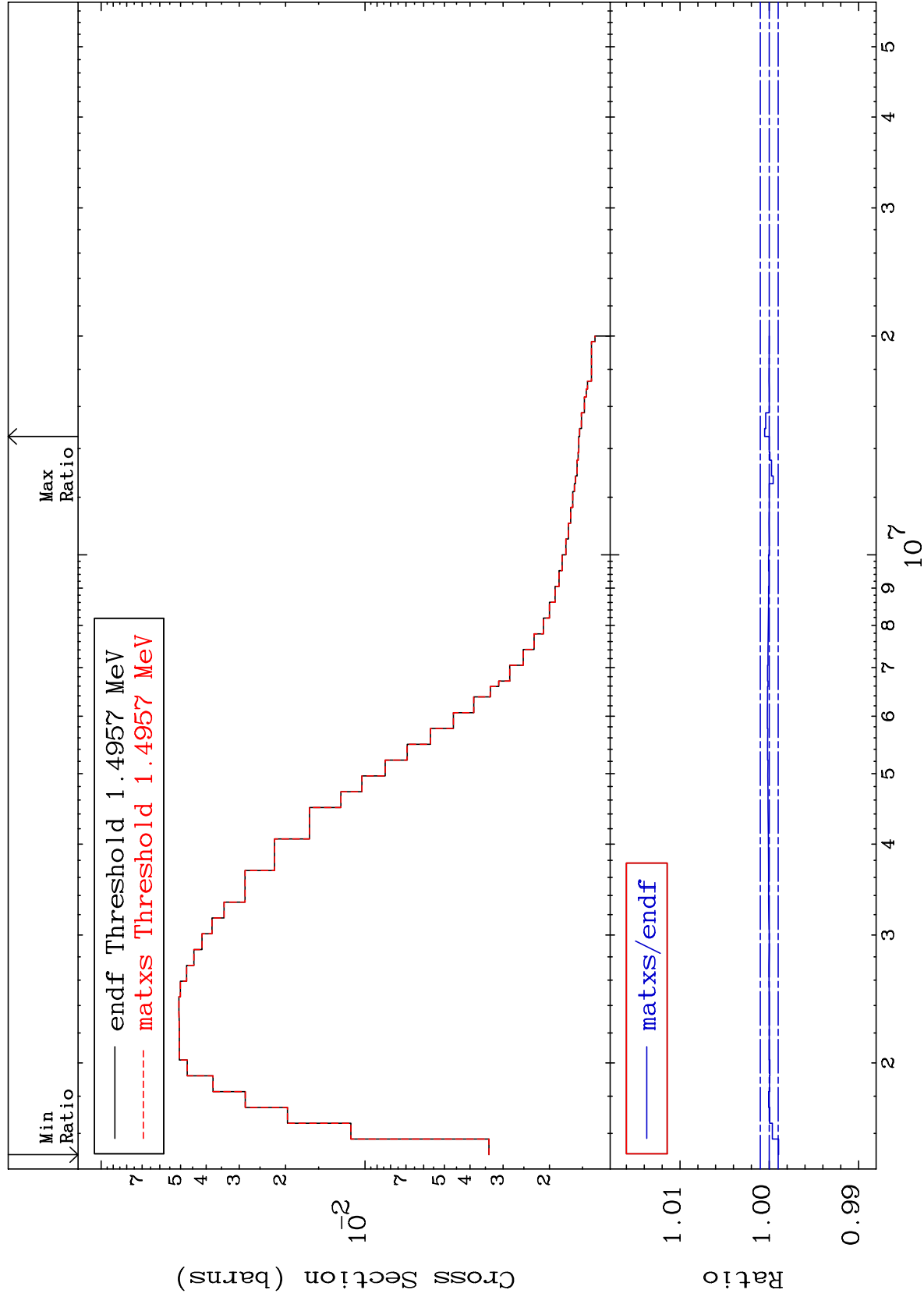
35-Br-81  
-0.072 To 1.615 %



MAT 3531

1.482 MeV (n,n') Level  
Cross Section

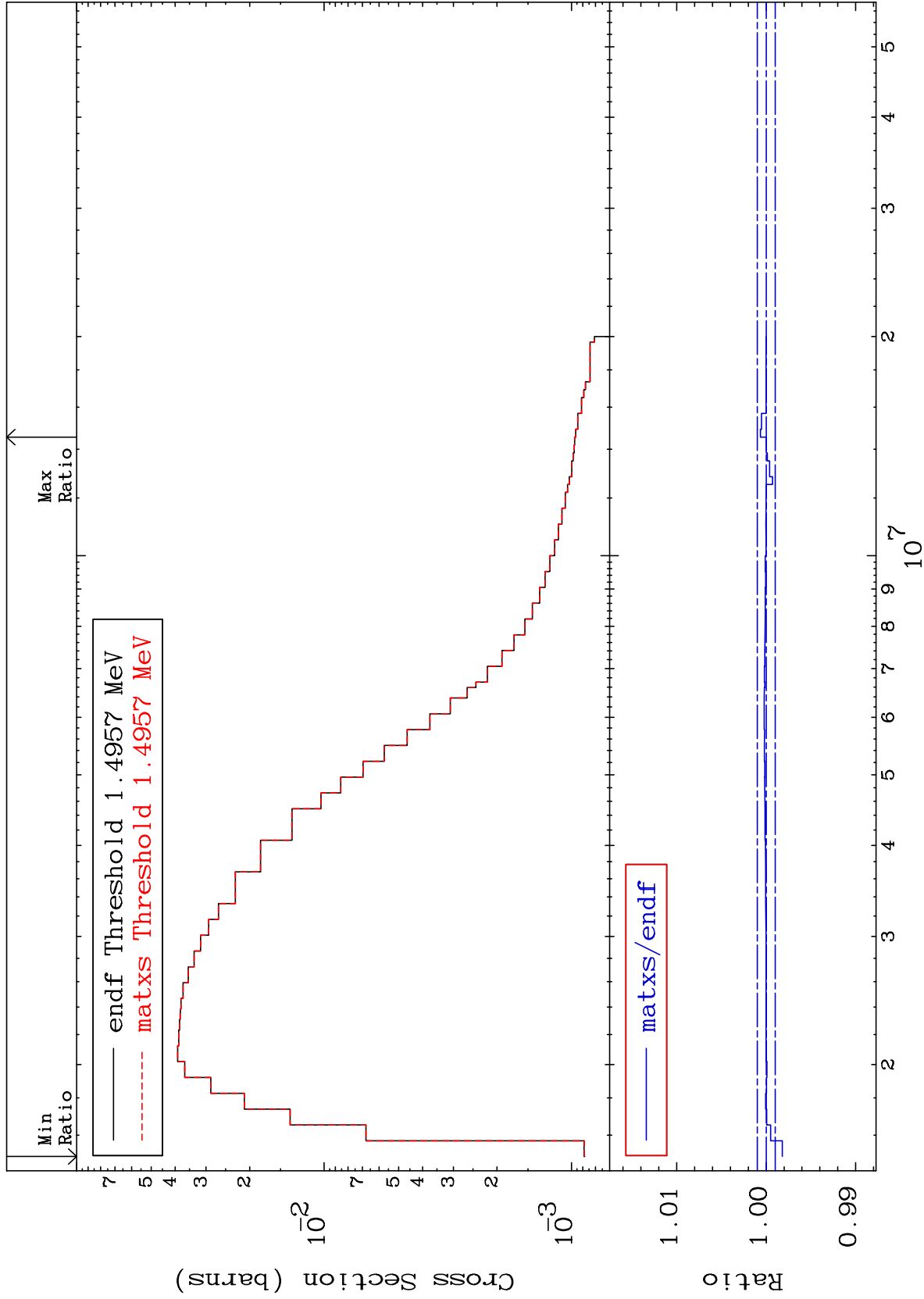
35-Br-81  
-0.105 To 0.052 %



MAT 3531

1.513 MeV (n,n') Level  
Cross Section

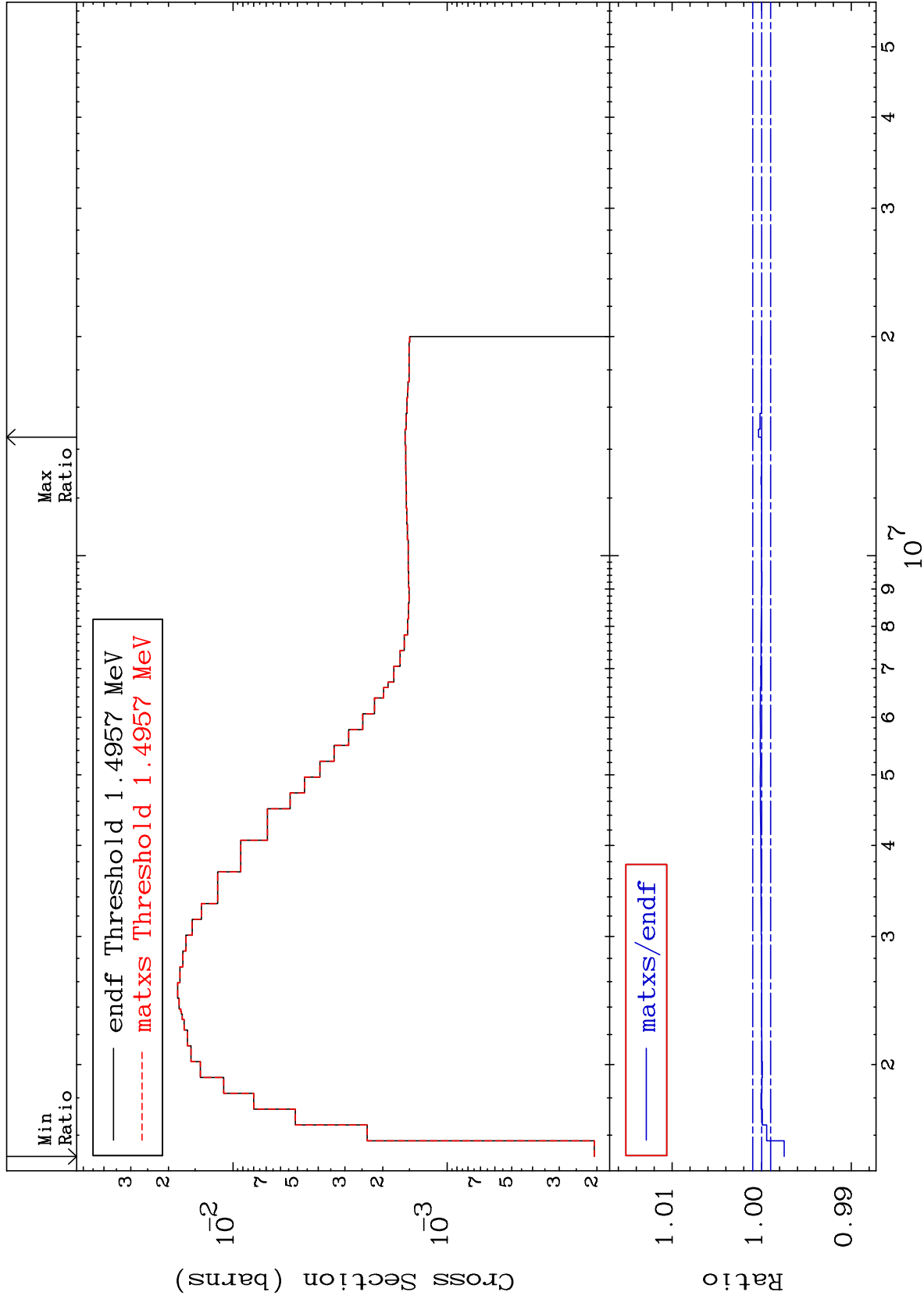
35-Br-81  
-0.180 To 0.063 %



MAT 3531

1.522 MeV (n,n') Level  
Cross Section

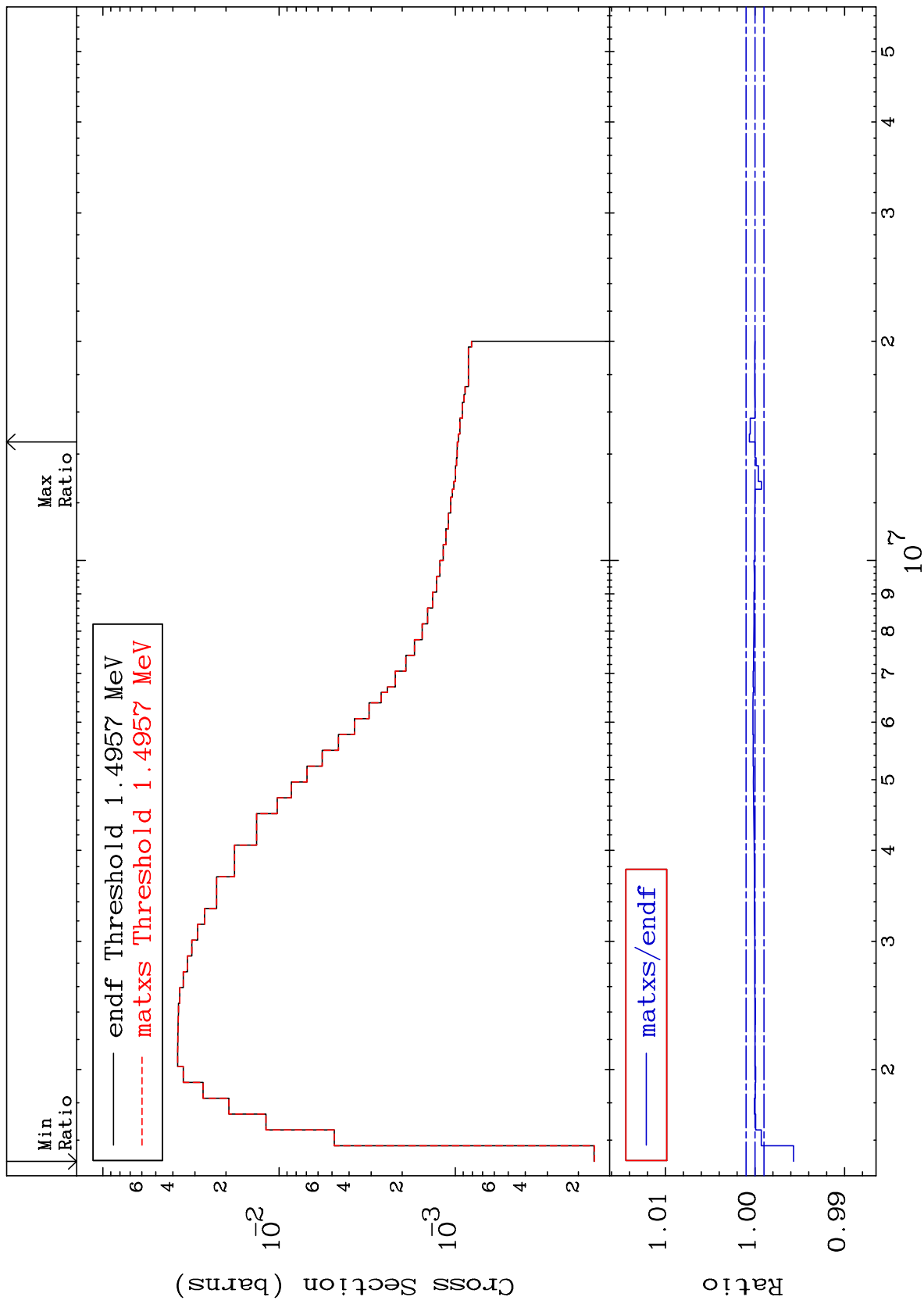
35-Br-81  
-0.252 To 0.034 %



MAT 3531

1.536 MeV (n,n') Level  
Cross Section

35-Br-81  
-0.430 To 0.063 %



30

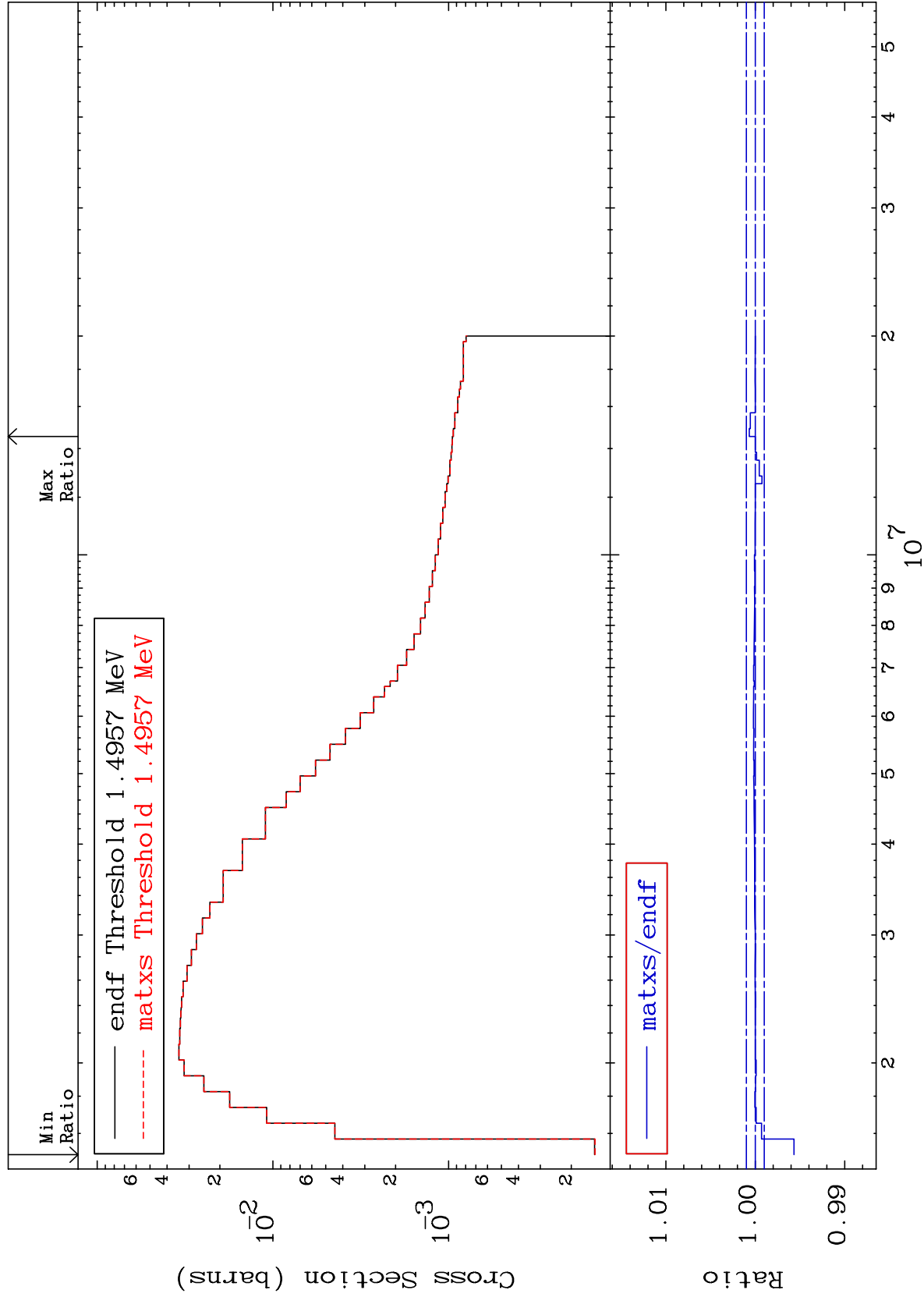
Incident Energy (eV)

35-Br-81

MAT 3531

1.536 MeV (n,n') Level  
Cross Section

35-Br-81  
-0.433 To 0.068 %

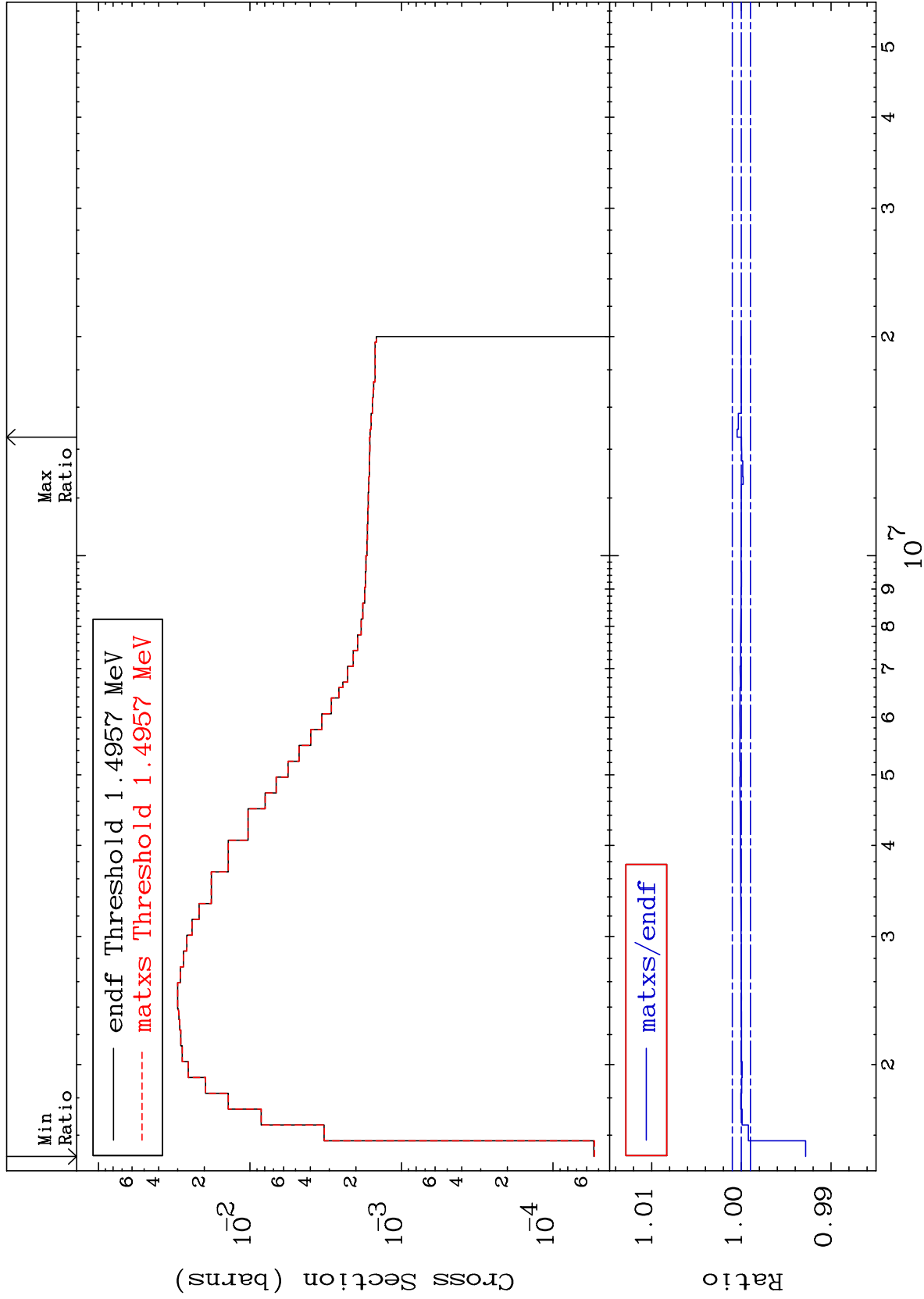




MAT 3531

1.542 MeV (n,n') Level  
Cross Section

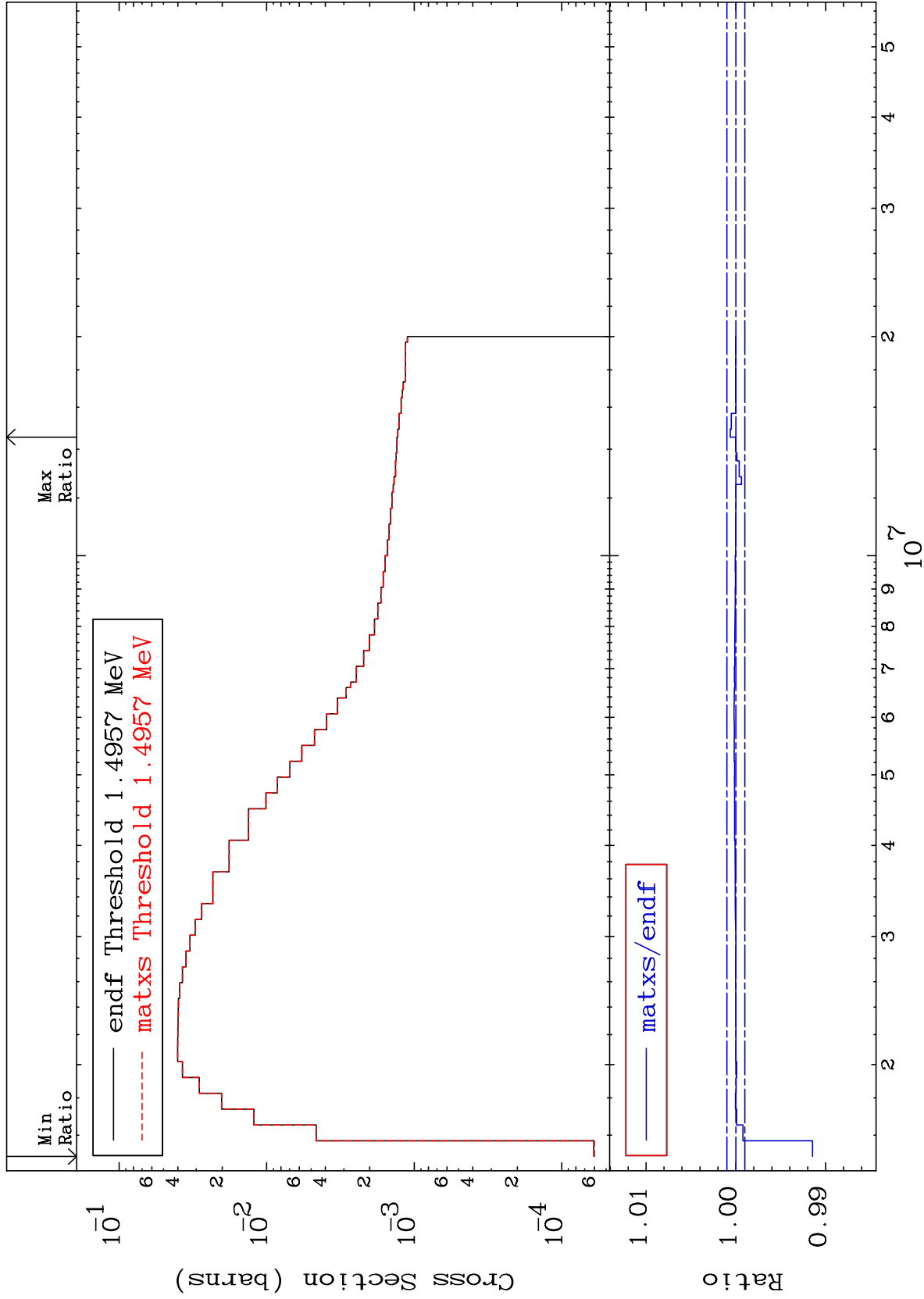
35-Br-81  
-0.716 To 0.047 %



MAT 3531

1.543 MeV (n,n') Level  
Cross Section

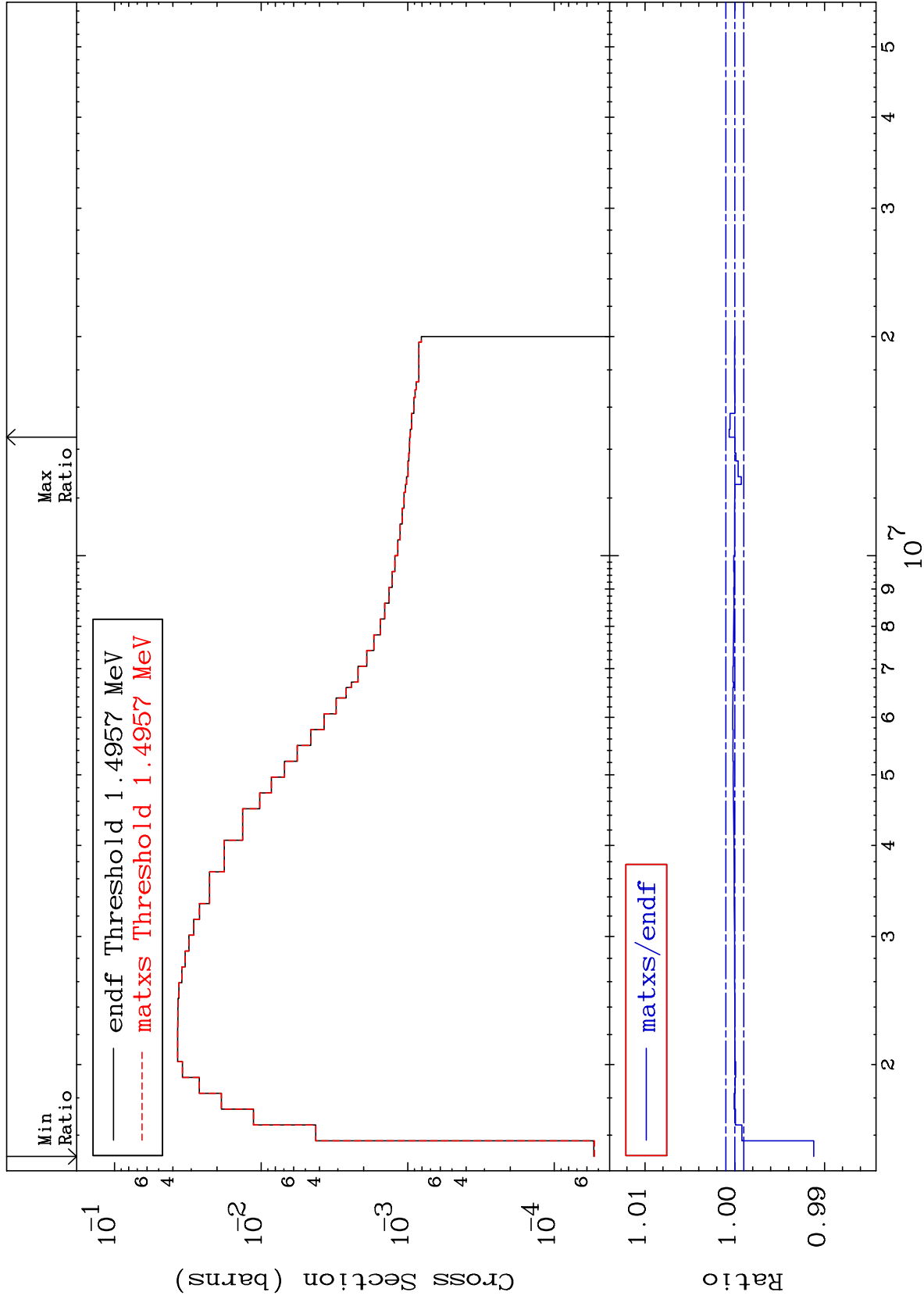
35-Br-81  
-0.854 To 0.063 %



MAT 3531

1.543 MeV (n,n') Level  
Cross Section

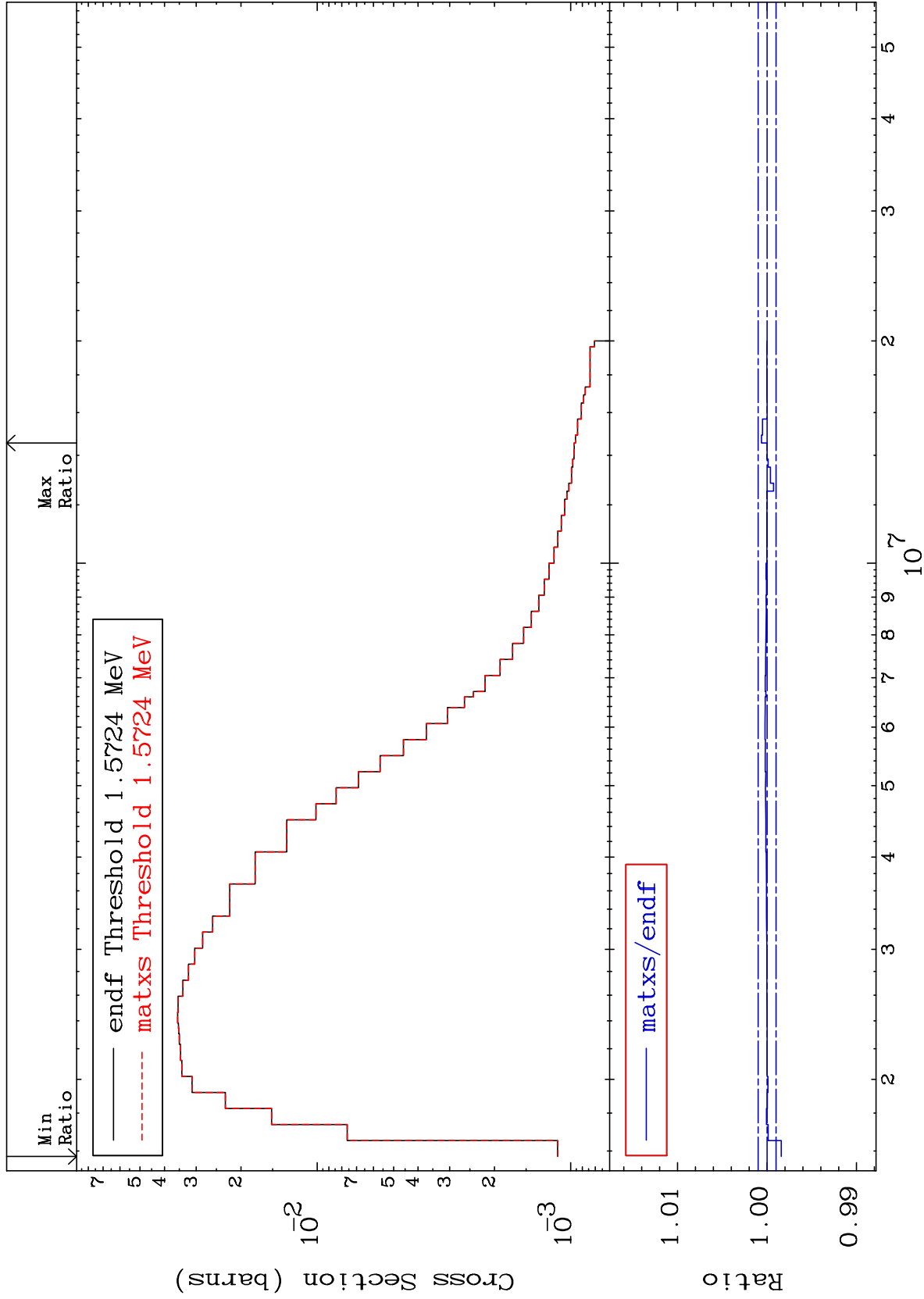
35-Br-81  
-0.878 To 0.063 %



MAT 3531

1.587 MeV (n,n') Level  
Cross Section

35-Br-81  
-0.160 To 0.063 %



35

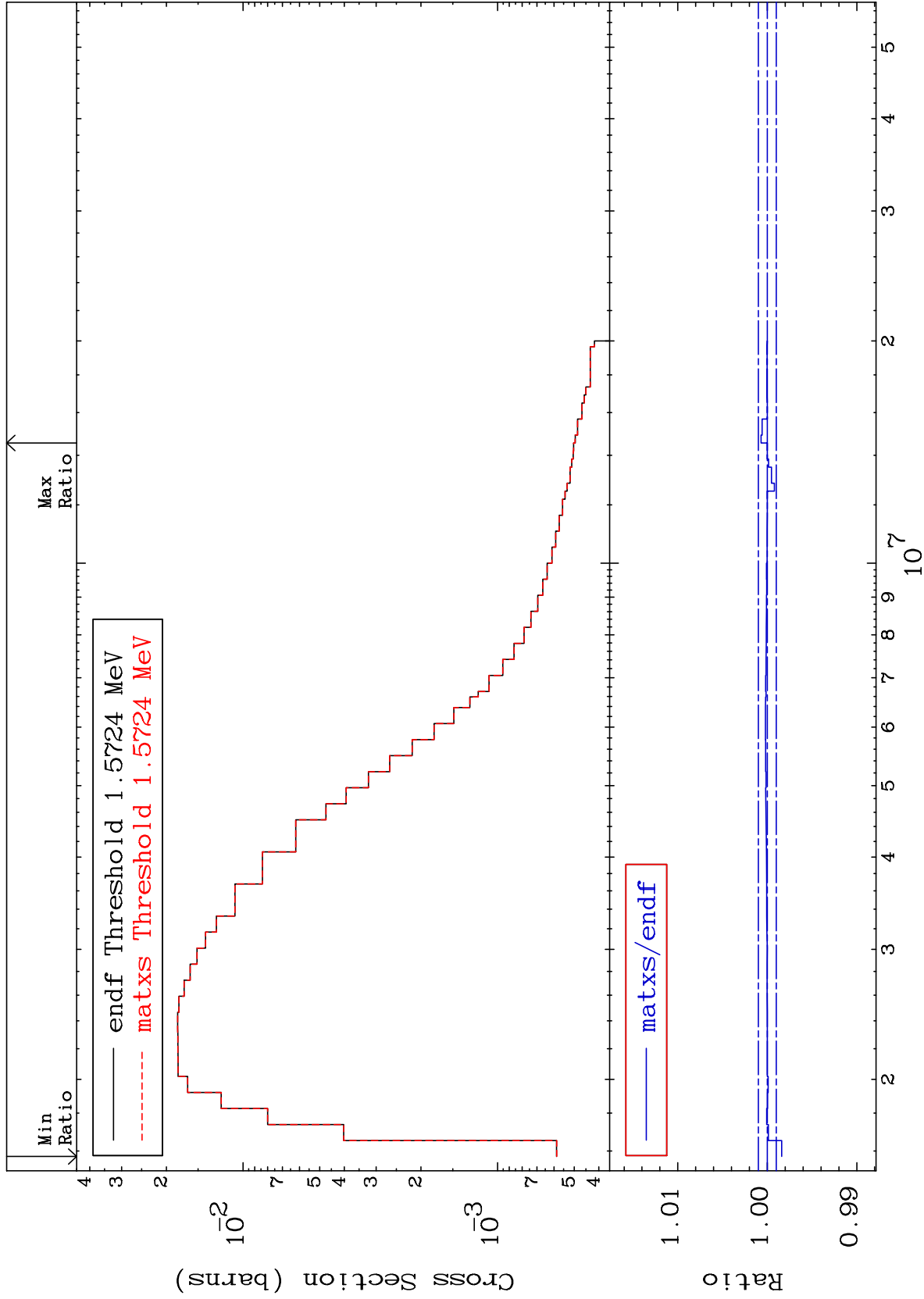
Incident Energy (eV)

35-Br-81

MAT 3531

1.587 MeV (n,n') Level  
Cross Section

35-Br-81  
-0.162 To 0.070 %



36

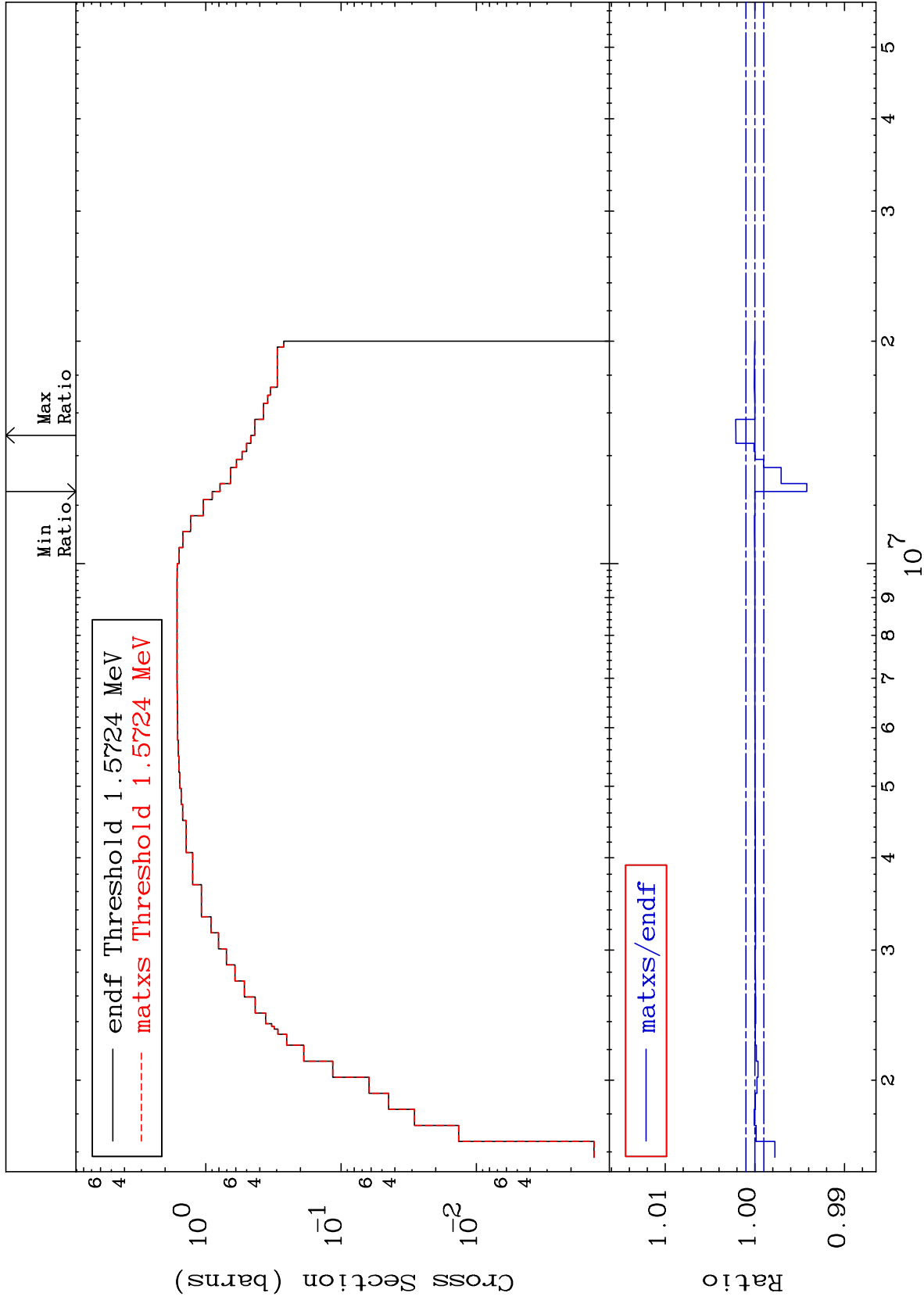
Incident Energy (eV)

35-Br-81

MAT 3531

(n, n') Continuum  
Cross Section

35-Br-81  
-0.579 To 0.214 %



37

35-Br-81

35-Br-81

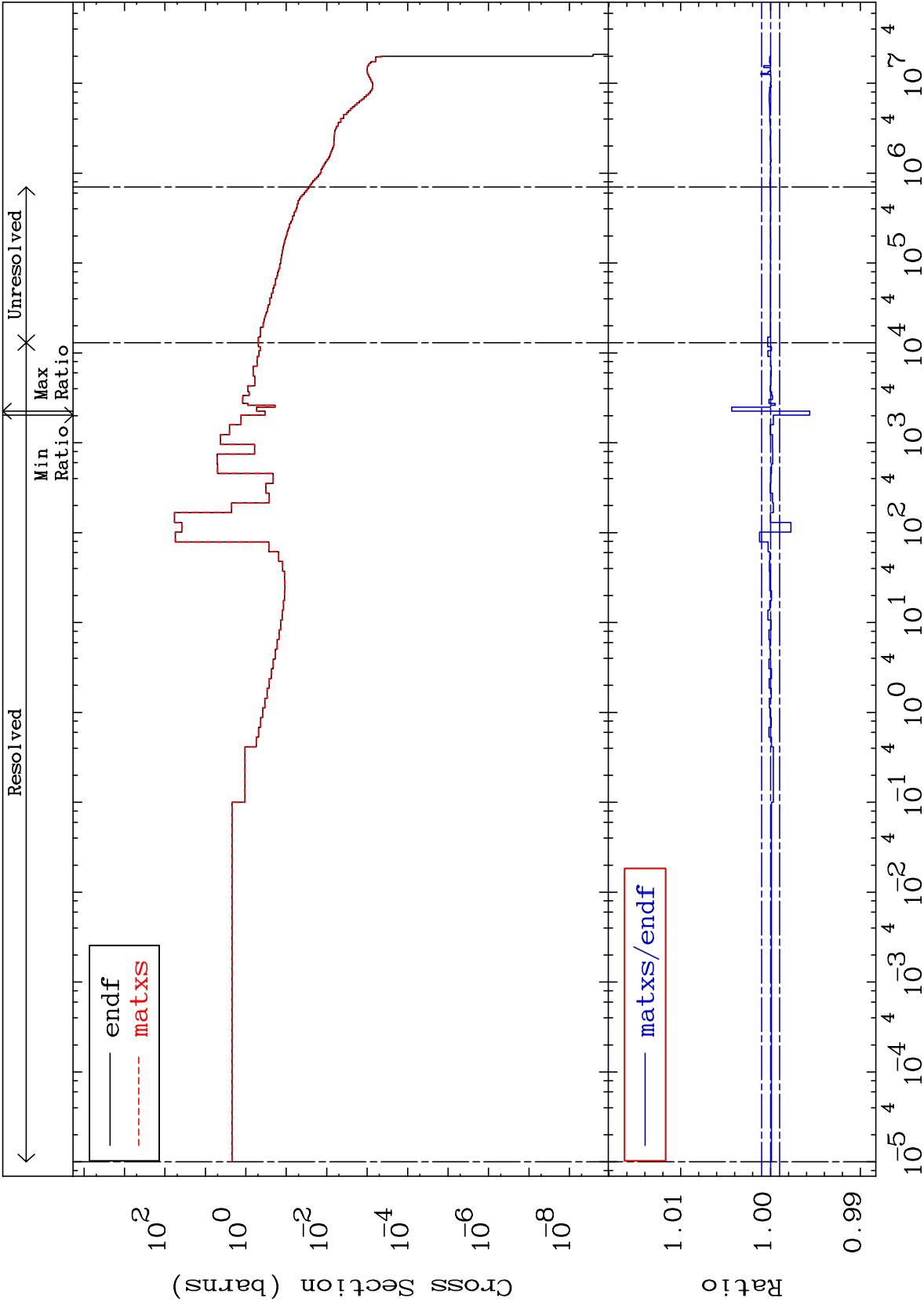
MAT 3531

(n,  $\gamma$ )

35-Br-81

Cross Section

-0.435 To 0.432 %



MAT 3531

(n,p)

35-Br-81

Cross Section

-0.649 To 0.364 %

Min Ratio

Max Ratio

— endf Threshold 1.9205 MeV  
- - - matxs Threshold 1.9205 MeV

Cross Section (barns)  
 $10^{-1}$   
 $10^{-2}$   
 $10^{-3}$   
 $10^{-4}$   
 $10^{-5}$   
 $10^{-6}$   
 $10^{-7}$   
 $10^{-8}$

— matxs/endlf

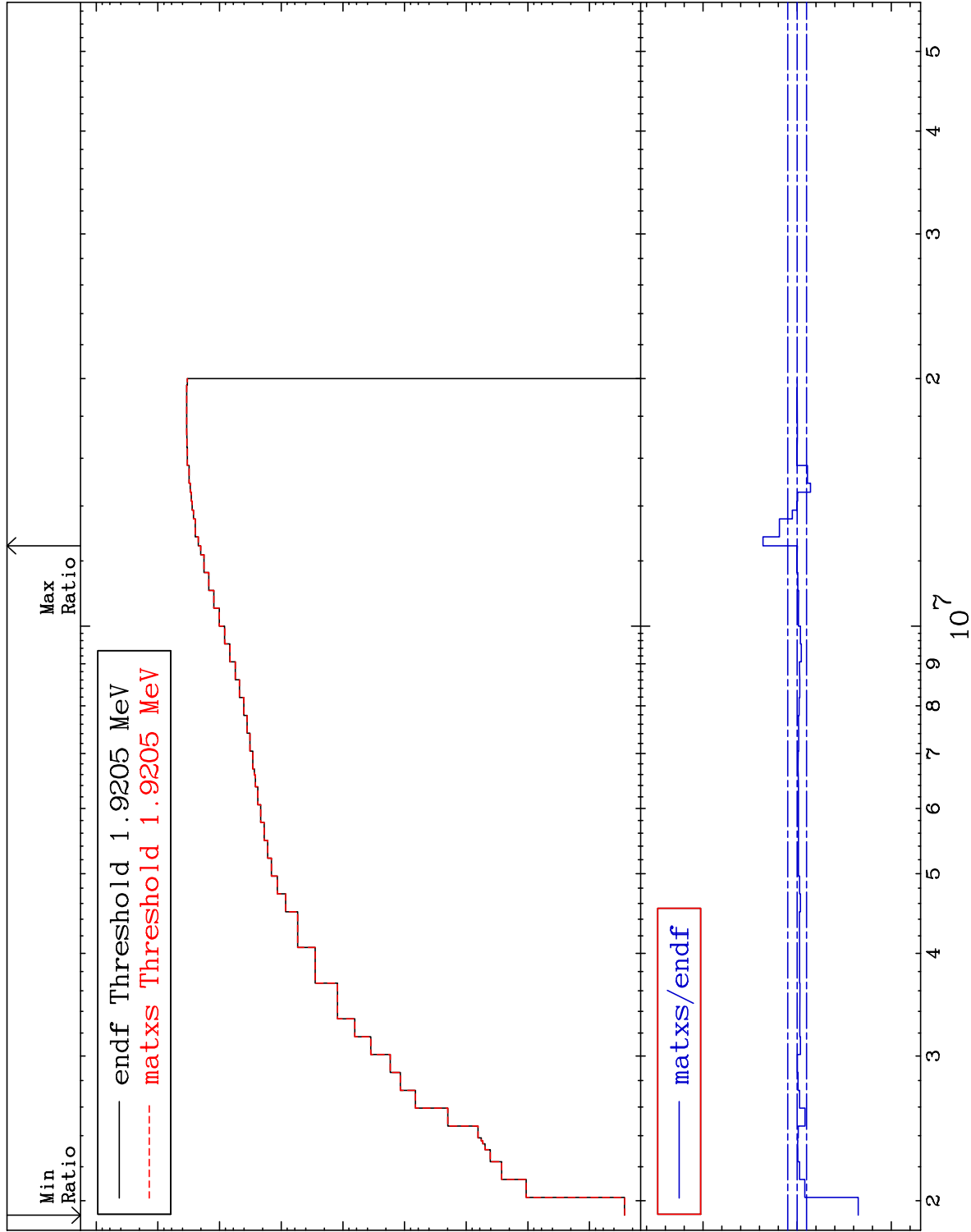
Ratio  
1.01  
1.00  
0.99

$10^7$

Incident Energy (eV)

35-Br-81

39

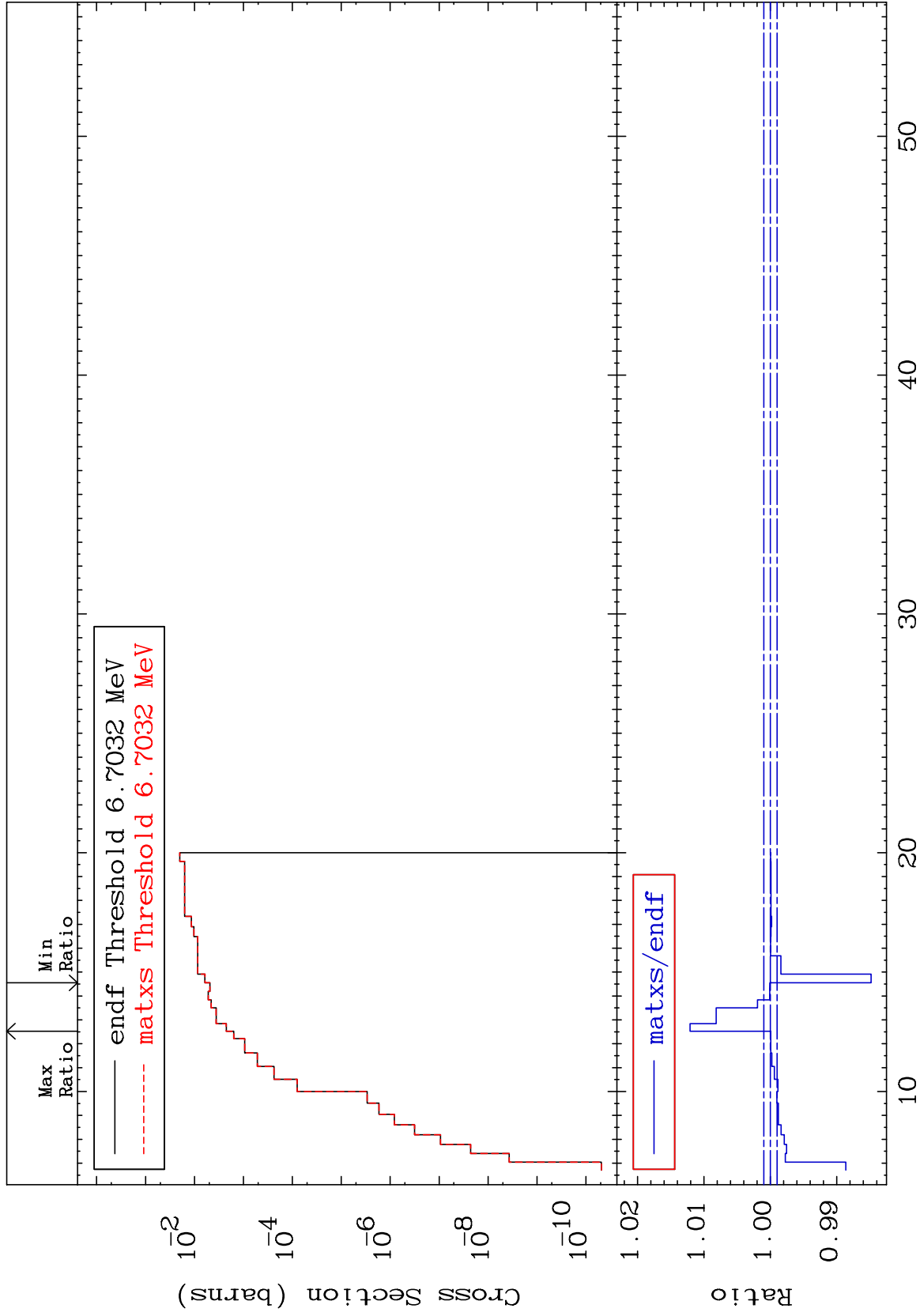




MAT 3531

(n, d)  
Cross Section

35-Br-81  
-1.516 To 1.209 %



40

Incident Energy (MeV)

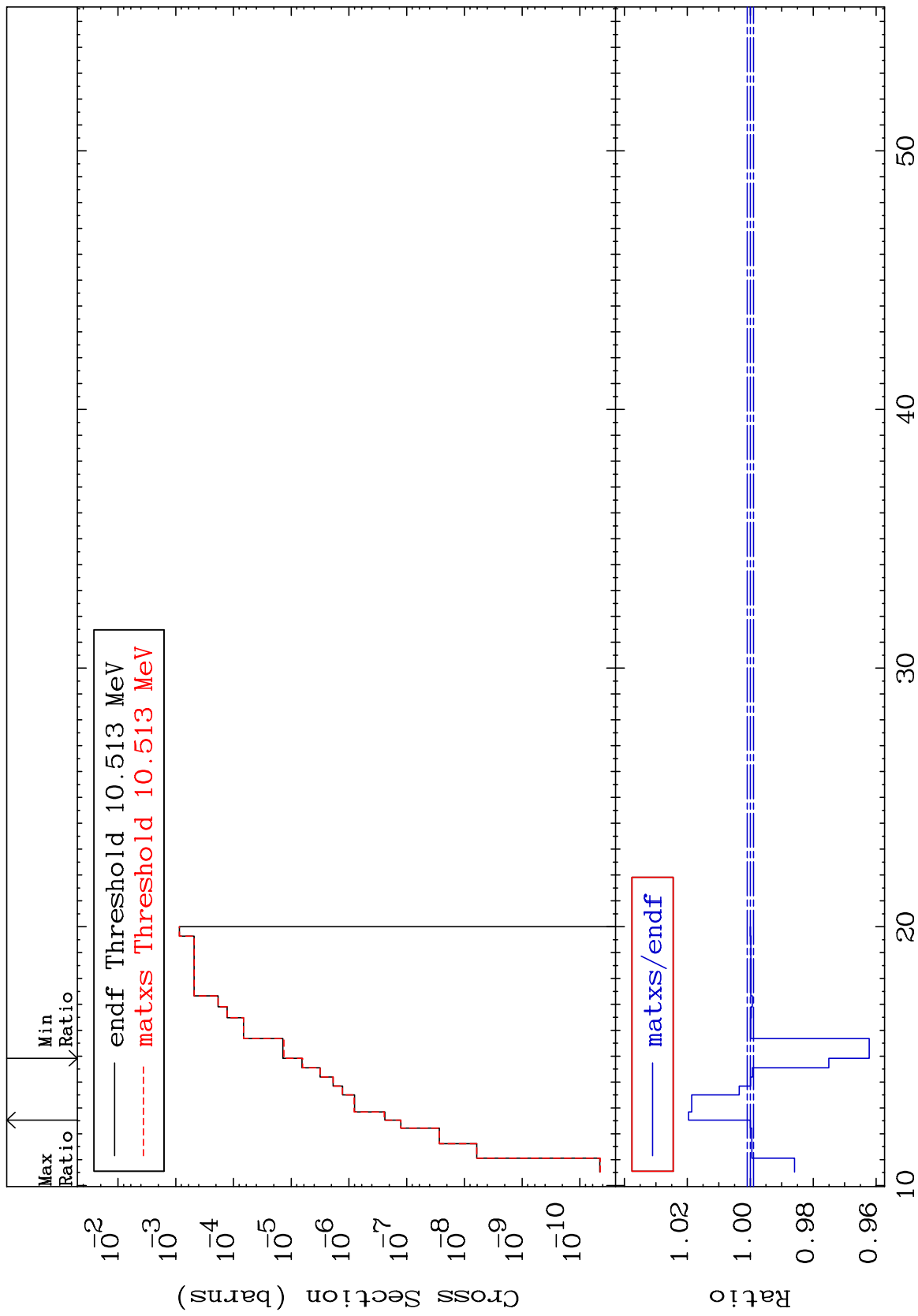
50

35-Br-81

MAT 3531

(n, t)  
Cross Section

35-Br-81  
-3.780 To 1.961 %



41

Incident Energy (MeV)

35-Br-81

MAT 3531

35-Br-81  
-0.300 To 0.638 %

(n,  $\alpha$ )  
Cross Section

