

Program Complot  
(Version 2015-2)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

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

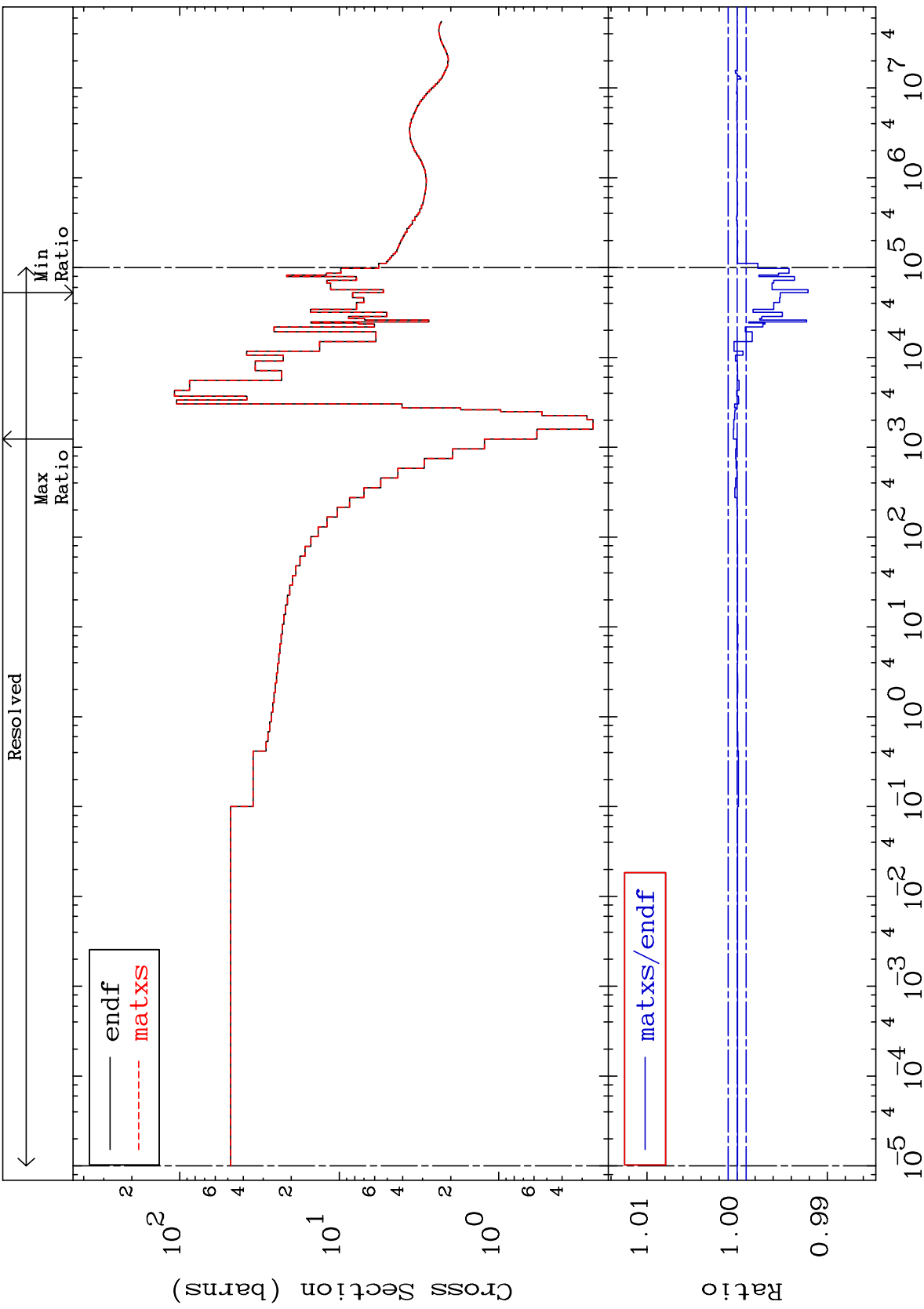
Web: [home.comcast.net/~redcullen1](http://home.comcast.net/~redcullen1)

Press Mouse Button to Start

MAT 2125

Total  
Cross Section

21-Sc-45  
-0.787 To 0.042 %



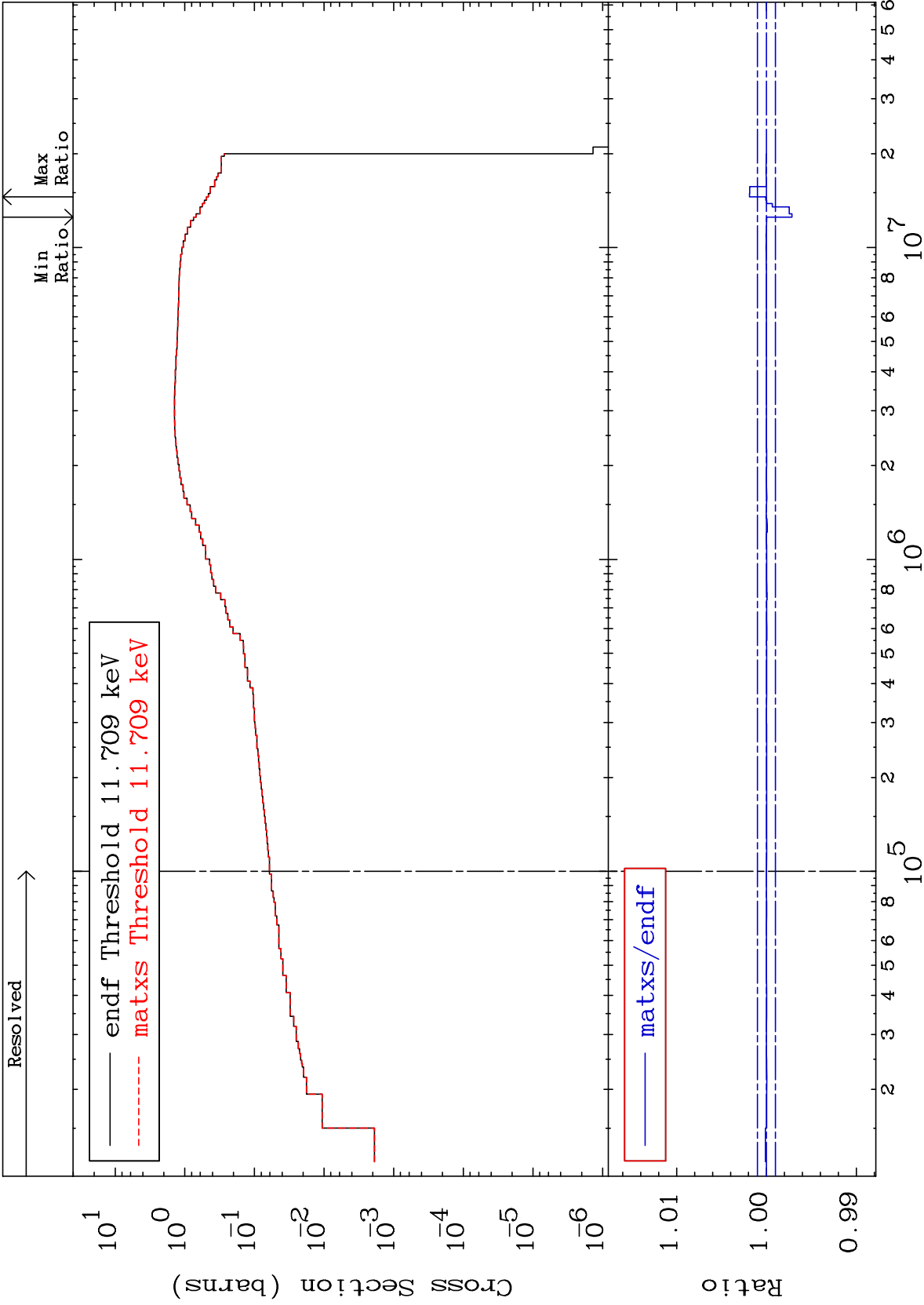
Incident Energy (eV)

21-Sc-45

MAT 2125

Inelastic  
Cross Section

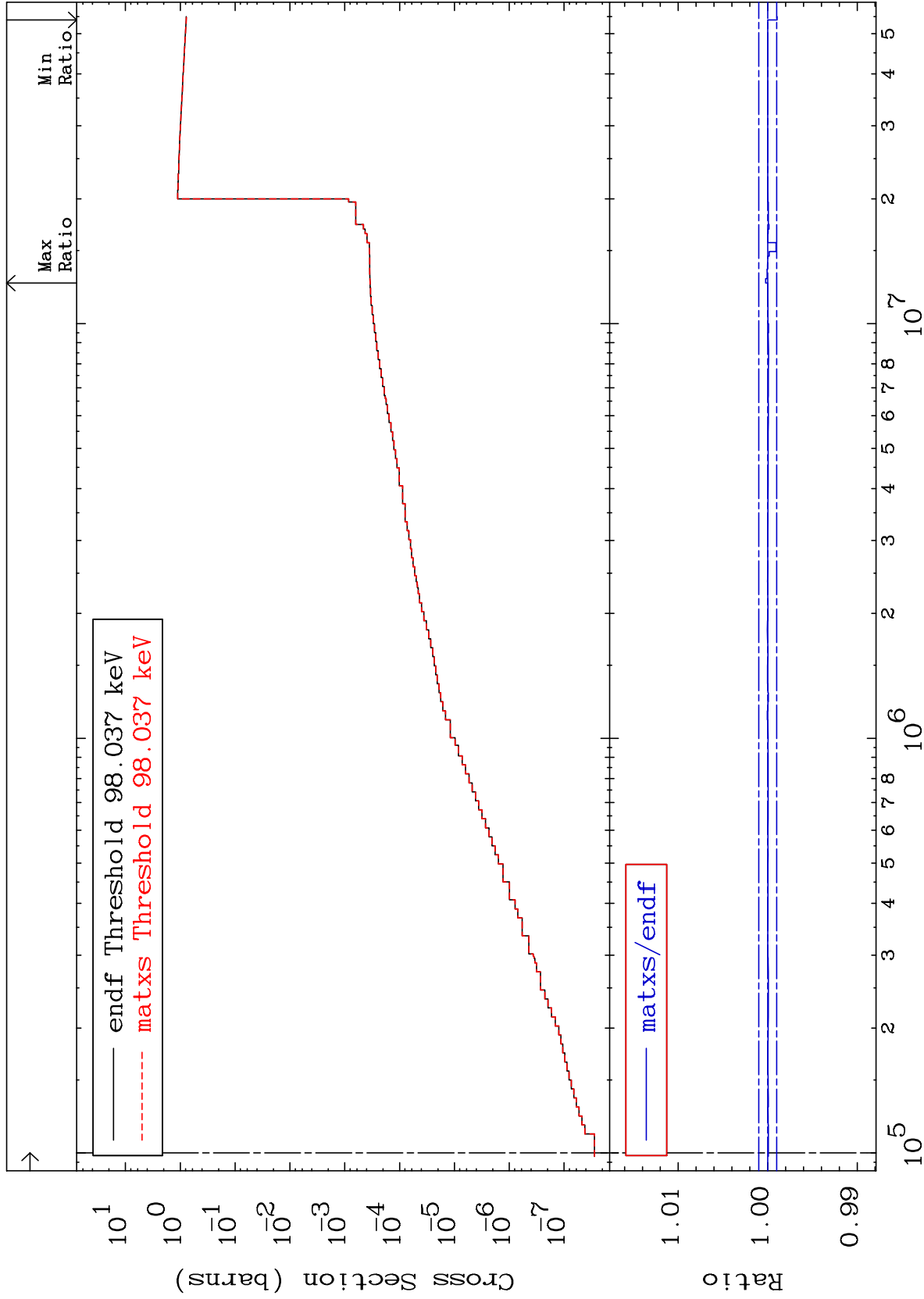
21-Sc-45  
-0.284 To 0.190 %



MAT 2125

(n, remainder)  
Cross Section

21-Sc-45  
-0.104 To 0.022 %



21-Sc-45

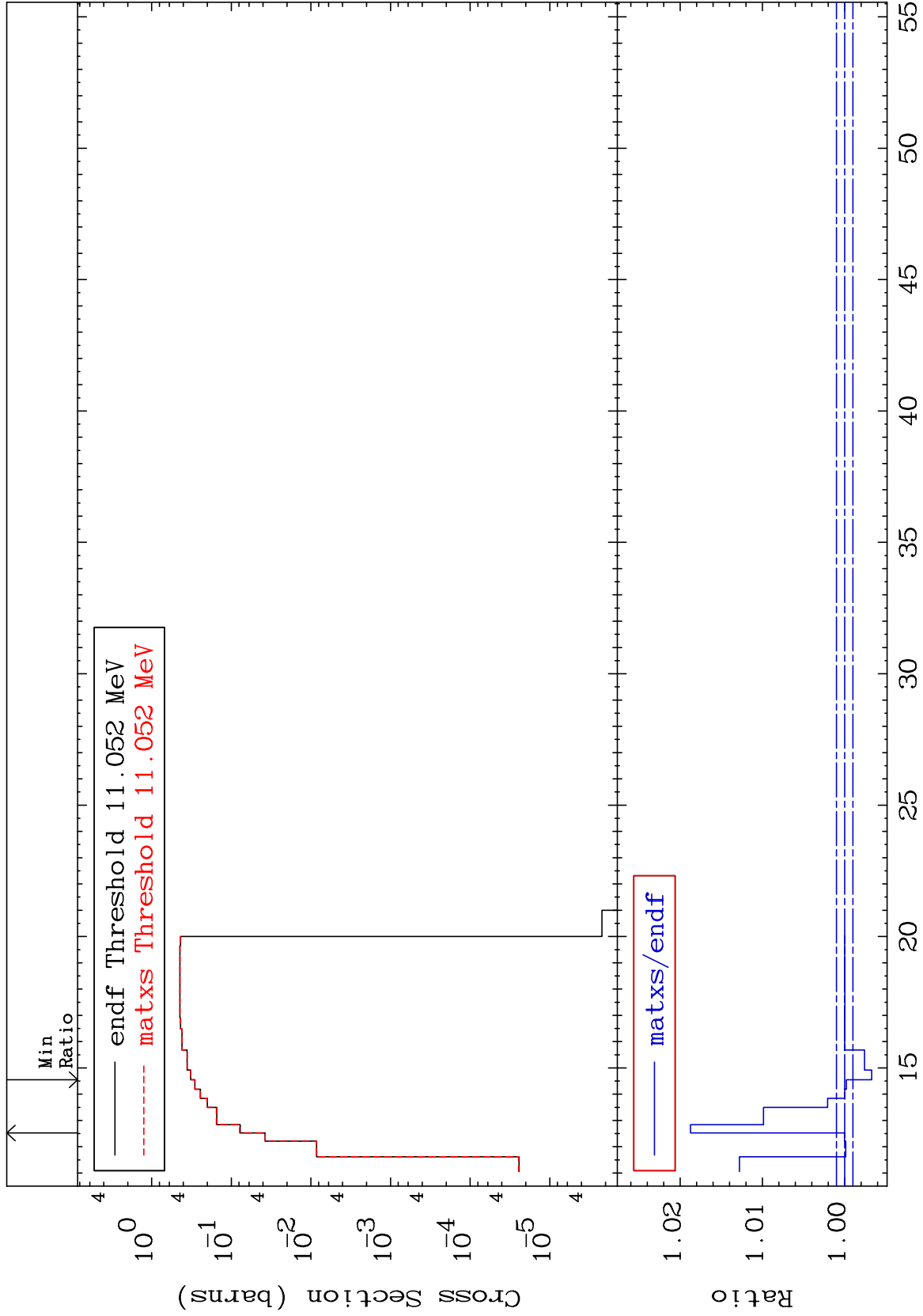
Incident Energy (eV)

3

MAT 2125

(n,2n)  
Cross Section

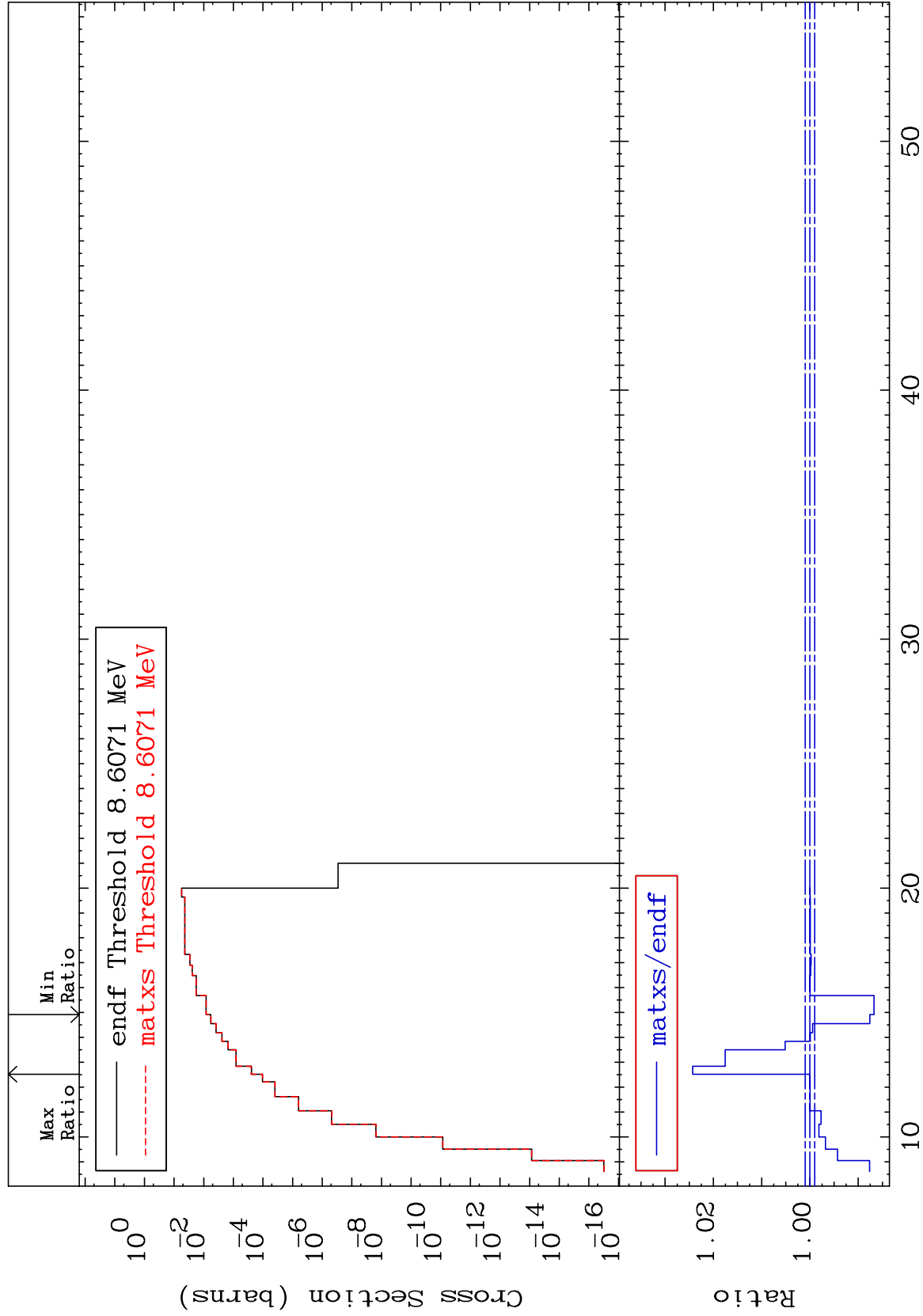
21-Sc-45  
-0.327 To 1.875 %



MAT 2125

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

21-Sc-45  
-1.327 To 2.428 %



5

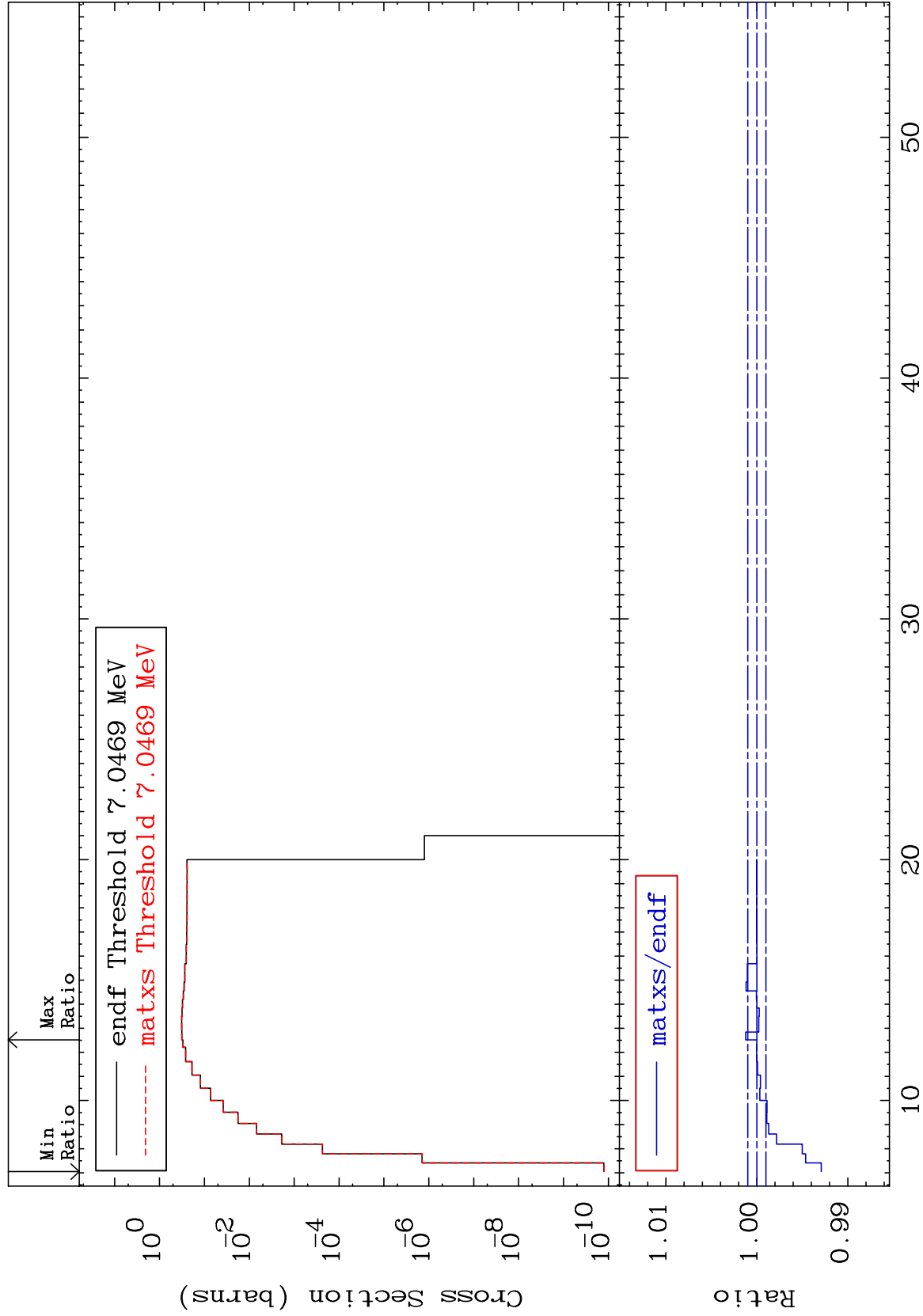
Incident Energy (MeV)

21-Sc-45

MAT 2125

(n, n') p  
Cross Section

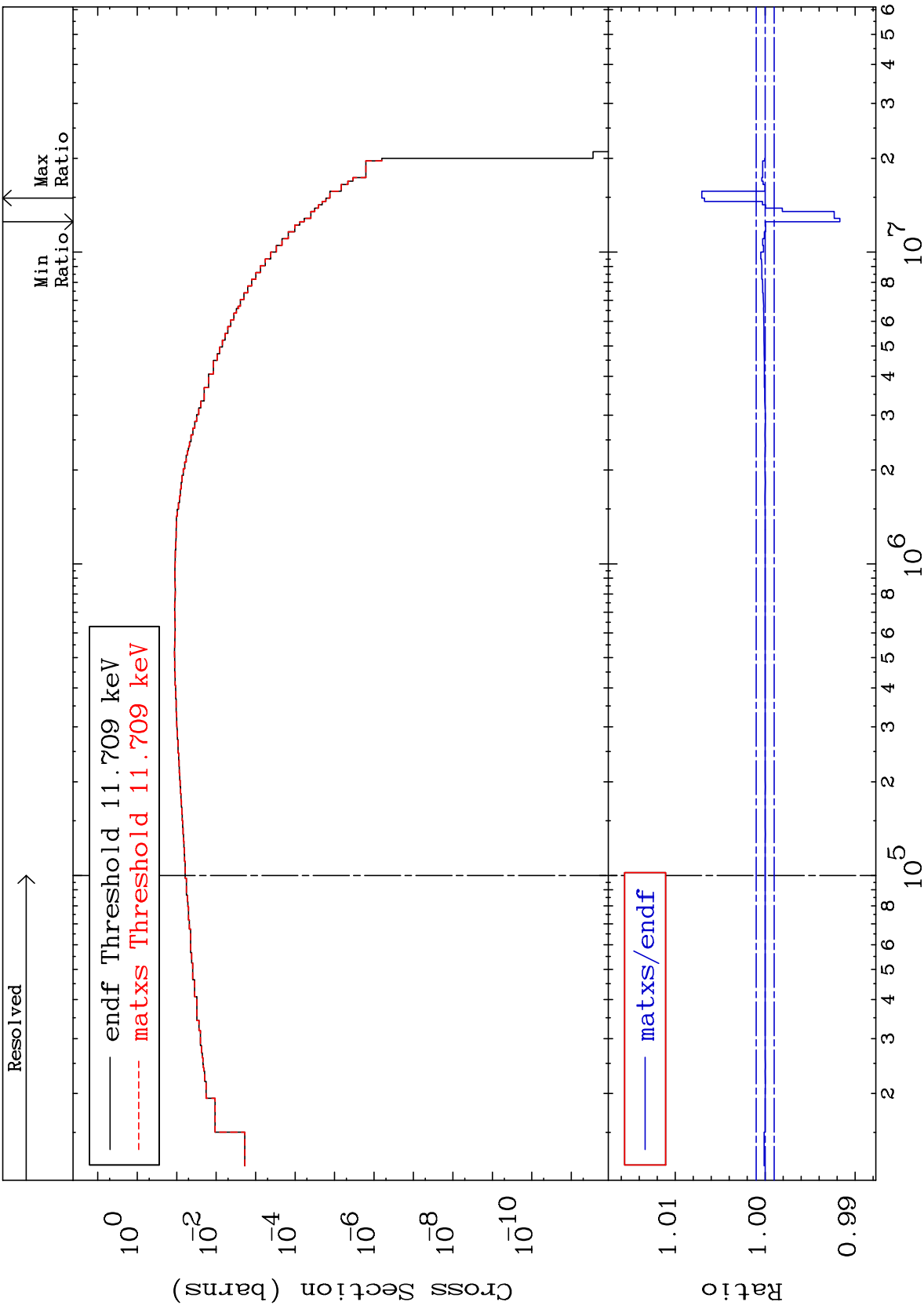
21-Sc-45  
-0.708 To 0.124 %



MAT 2125

12.40 keV (n,n') Level  
Cross Section

21-Sc-45  
-0.830 To 0.706 %

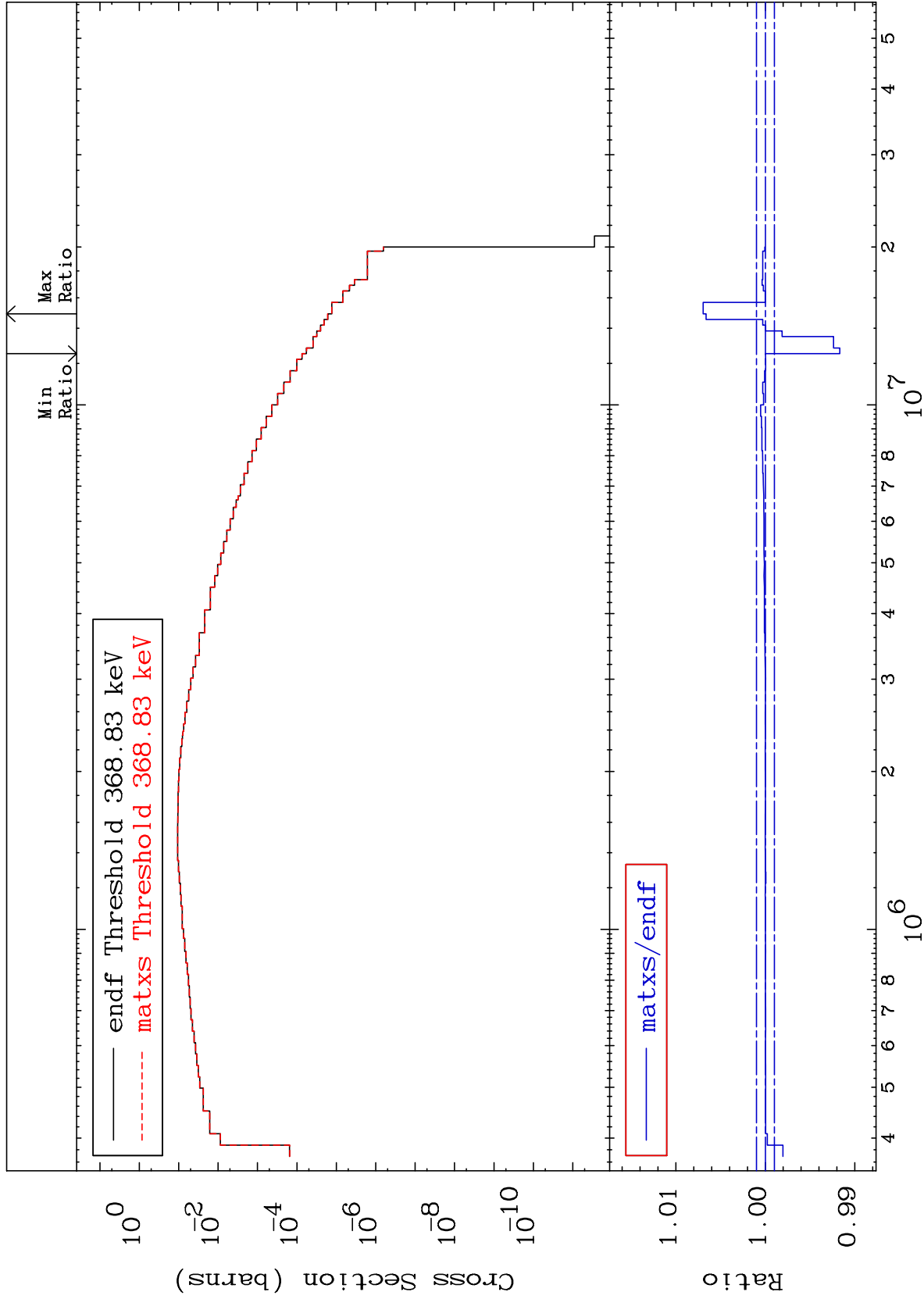




MAT 2125

376.5 keV (n,n') Level  
Cross Section

21-Sc-45  
-0.831 To 0.696 %



8

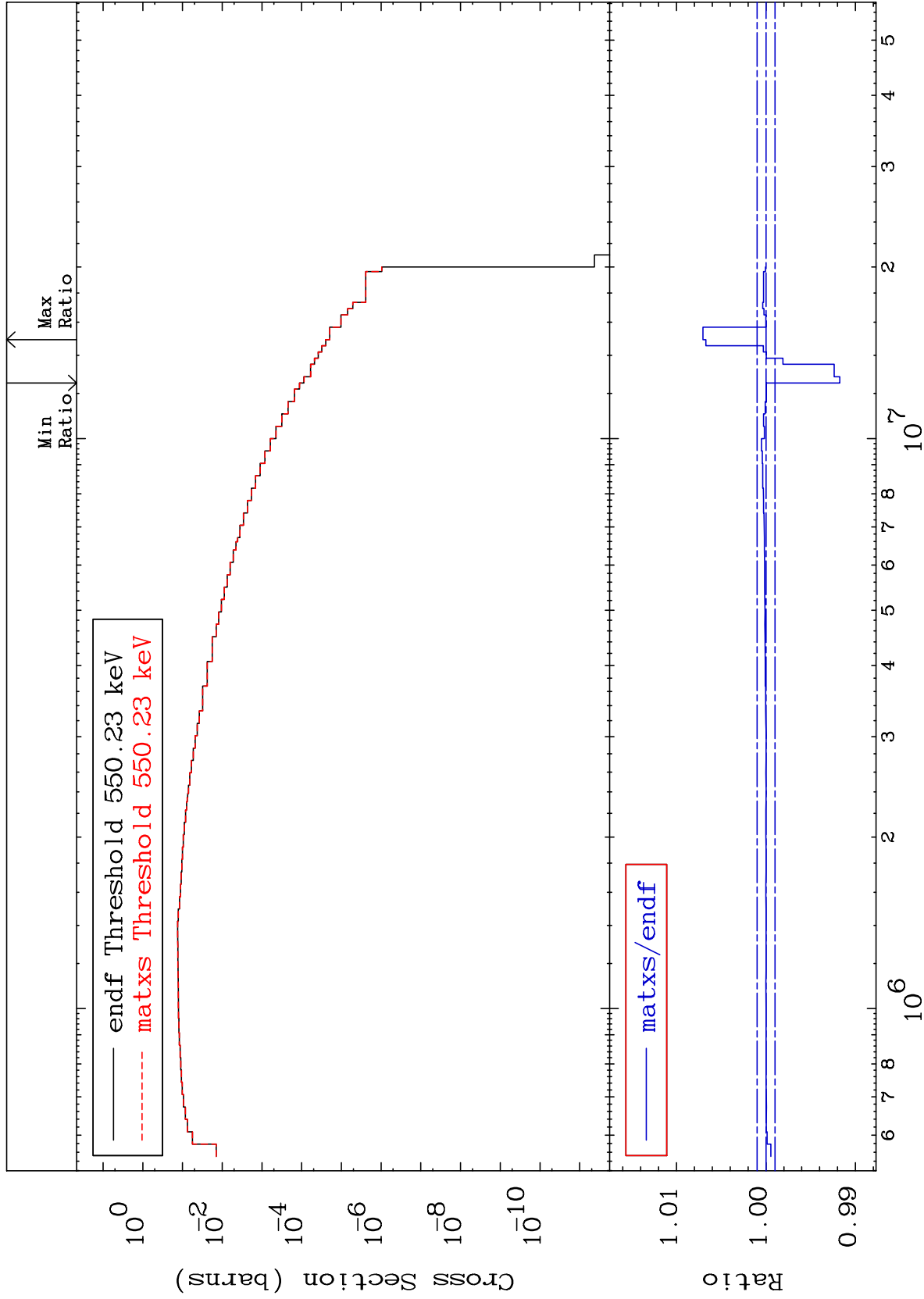
Incident Energy (eV)

21-Sc-45

MAT 2125

543.1 keV (n,n') Level  
Cross Section

21-Sc-45  
-0.825 To 0.704 %



9

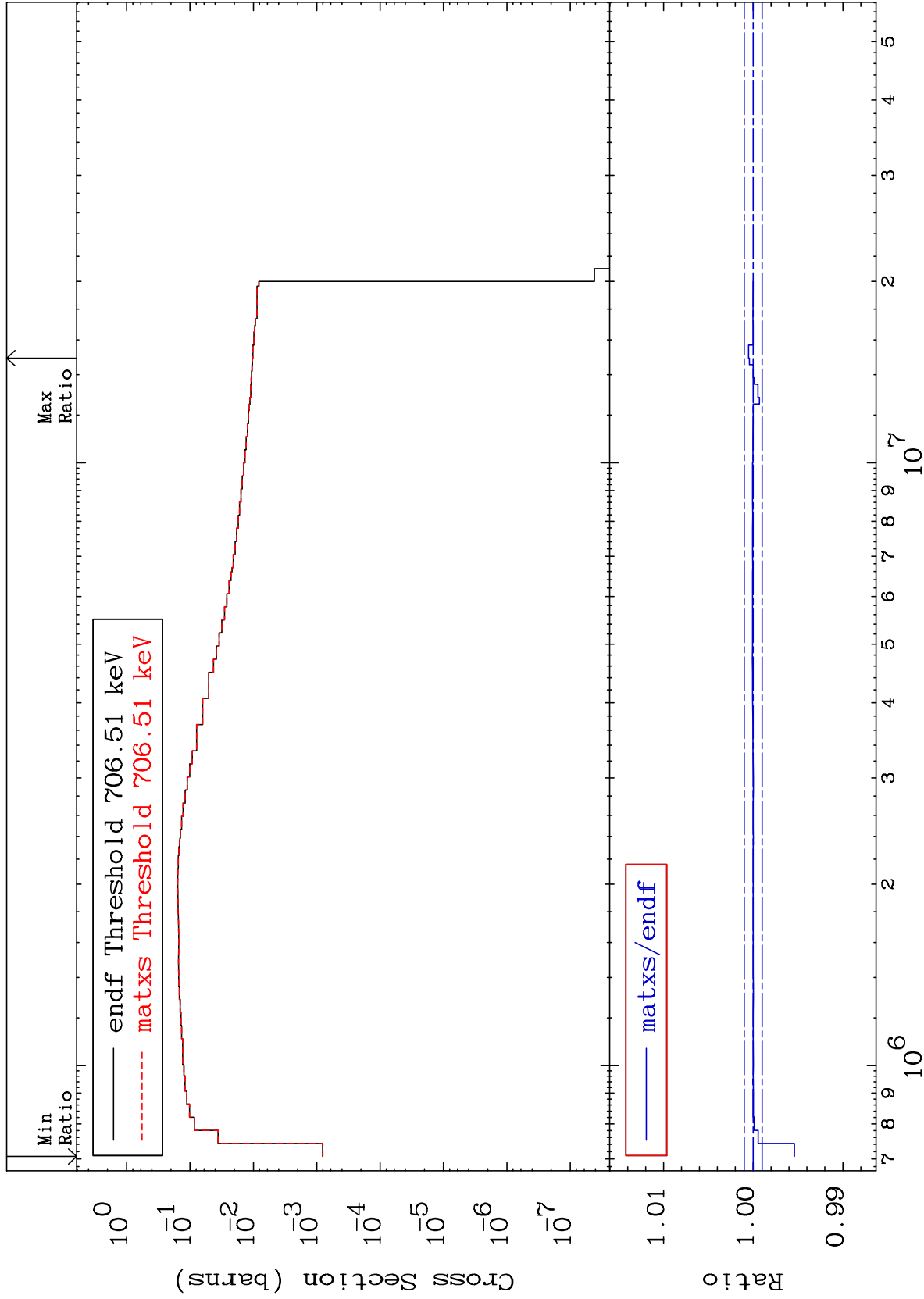
Incident Energy (eV)

21-Sc-45

MAT 2125

720.1 keV (n,n') Level  
Cross Section

21-Sc-45  
-0.458 To 0.052 %



10

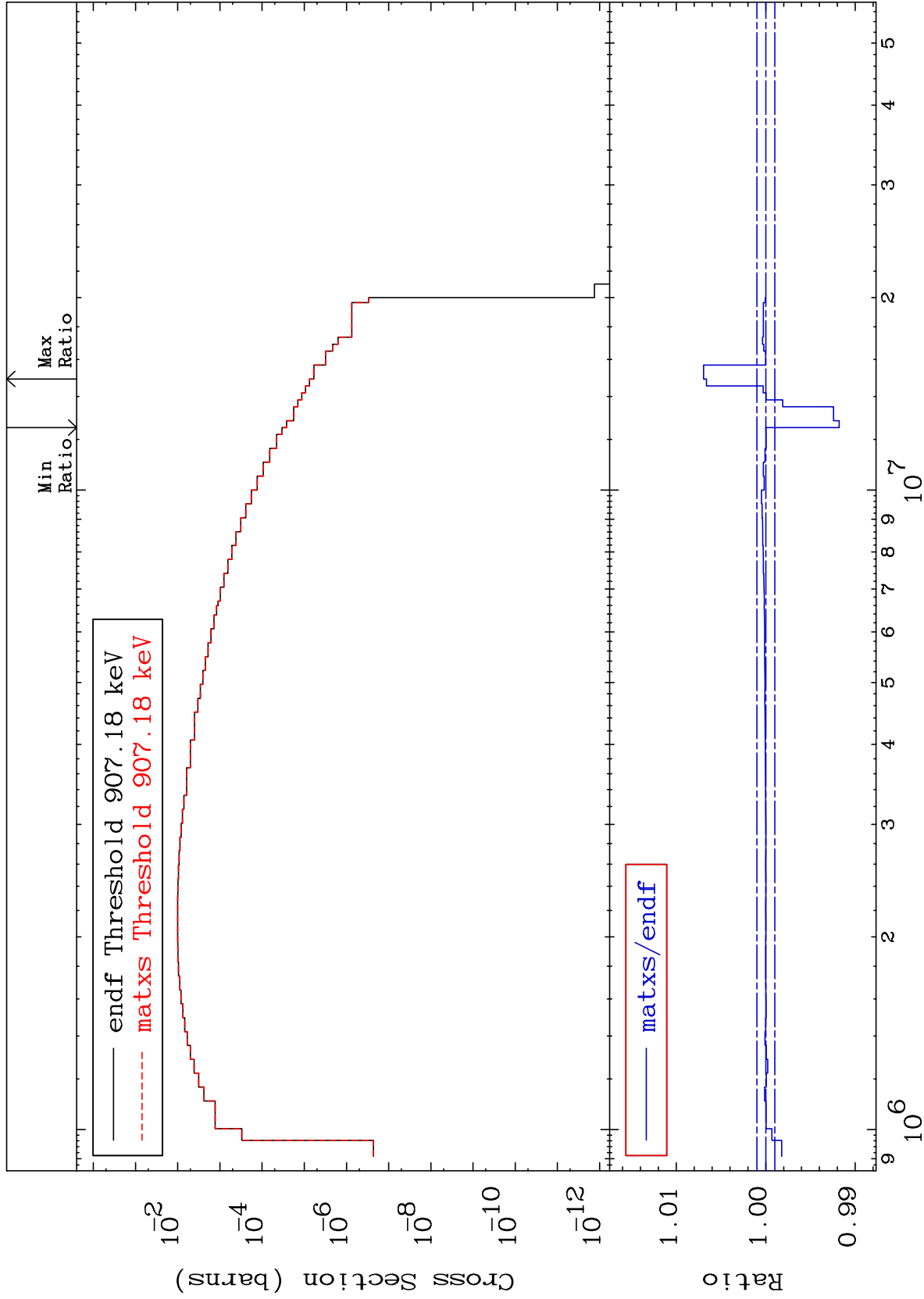
Incident Energy (eV)

21-Sc-45

MAT 2125

939.2 keV (n,n') Level  
Cross Section

21-Sc-45  
-0.821 To 0.695 %



11

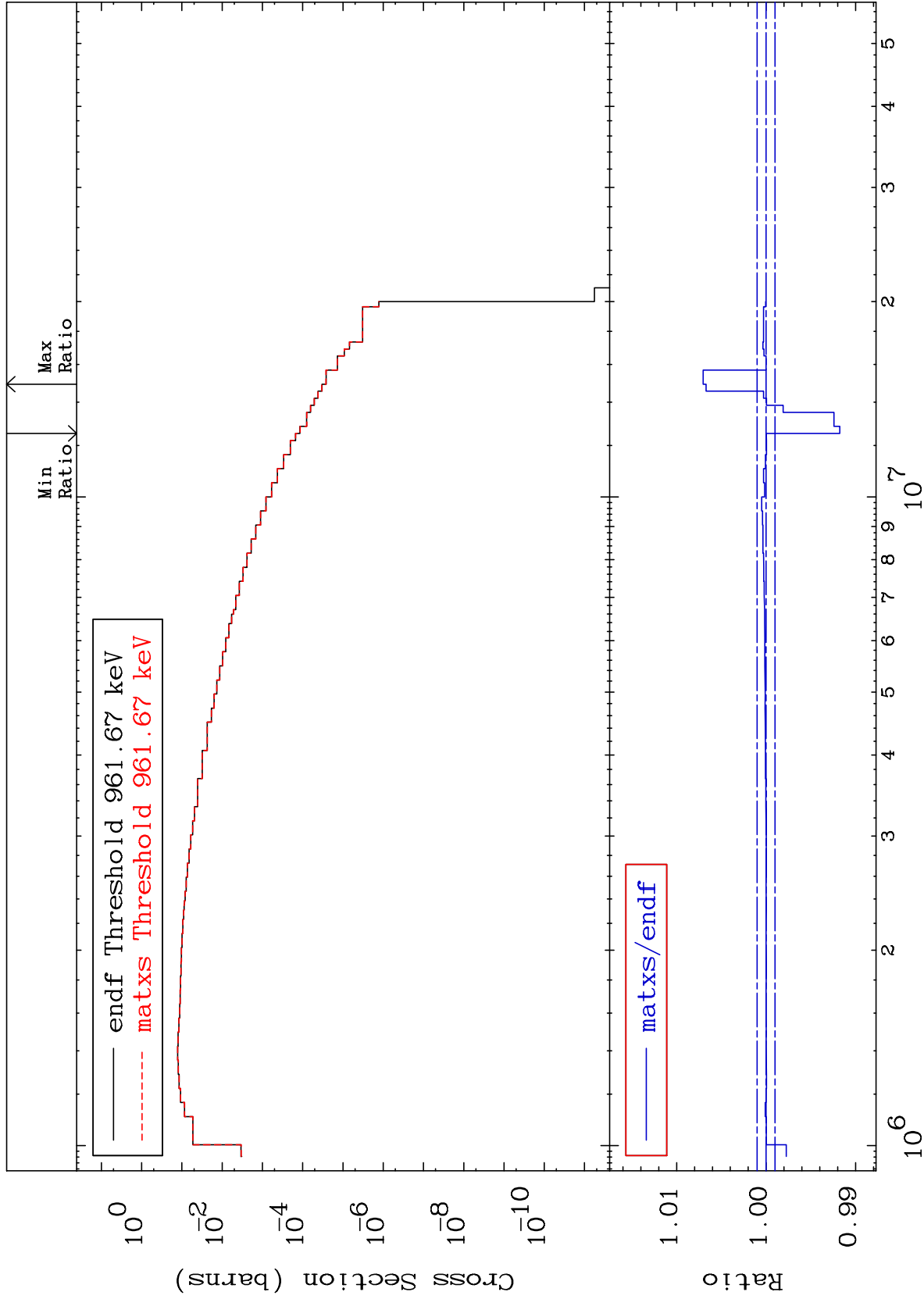
Incident Energy (eV)

21-Sc-45

MAT 2125

974.4 keV (n,n') Level  
Cross Section

21-Sc-45  
-0.822 To 0.705 %



12

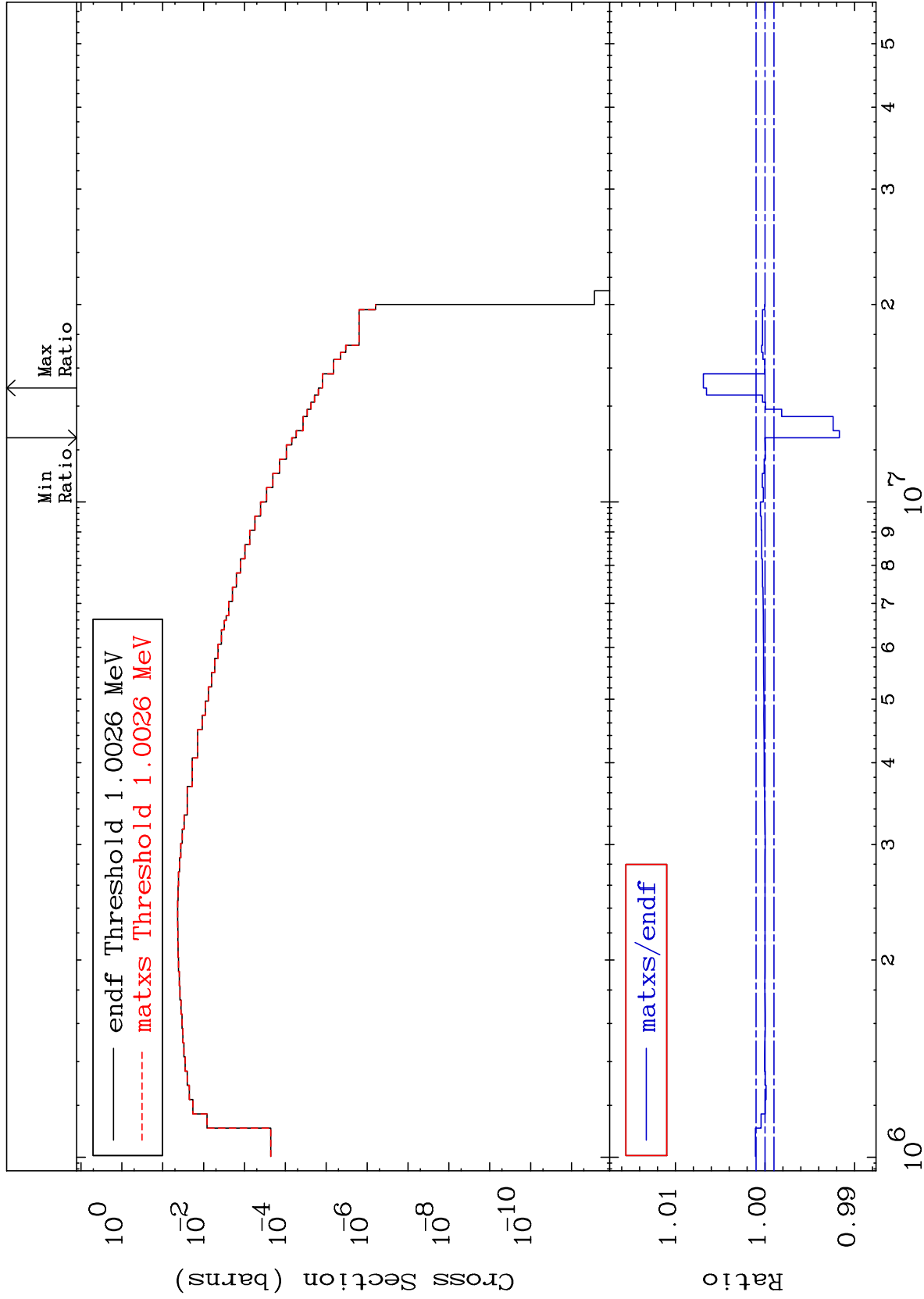
Incident Energy (eV)

21-Sc-45

MAT 2125

1.068 MeV (n,n') Level  
Cross Section

21-Sc-45  
-0.831 To 0.689 %



Incident Energy (eV)

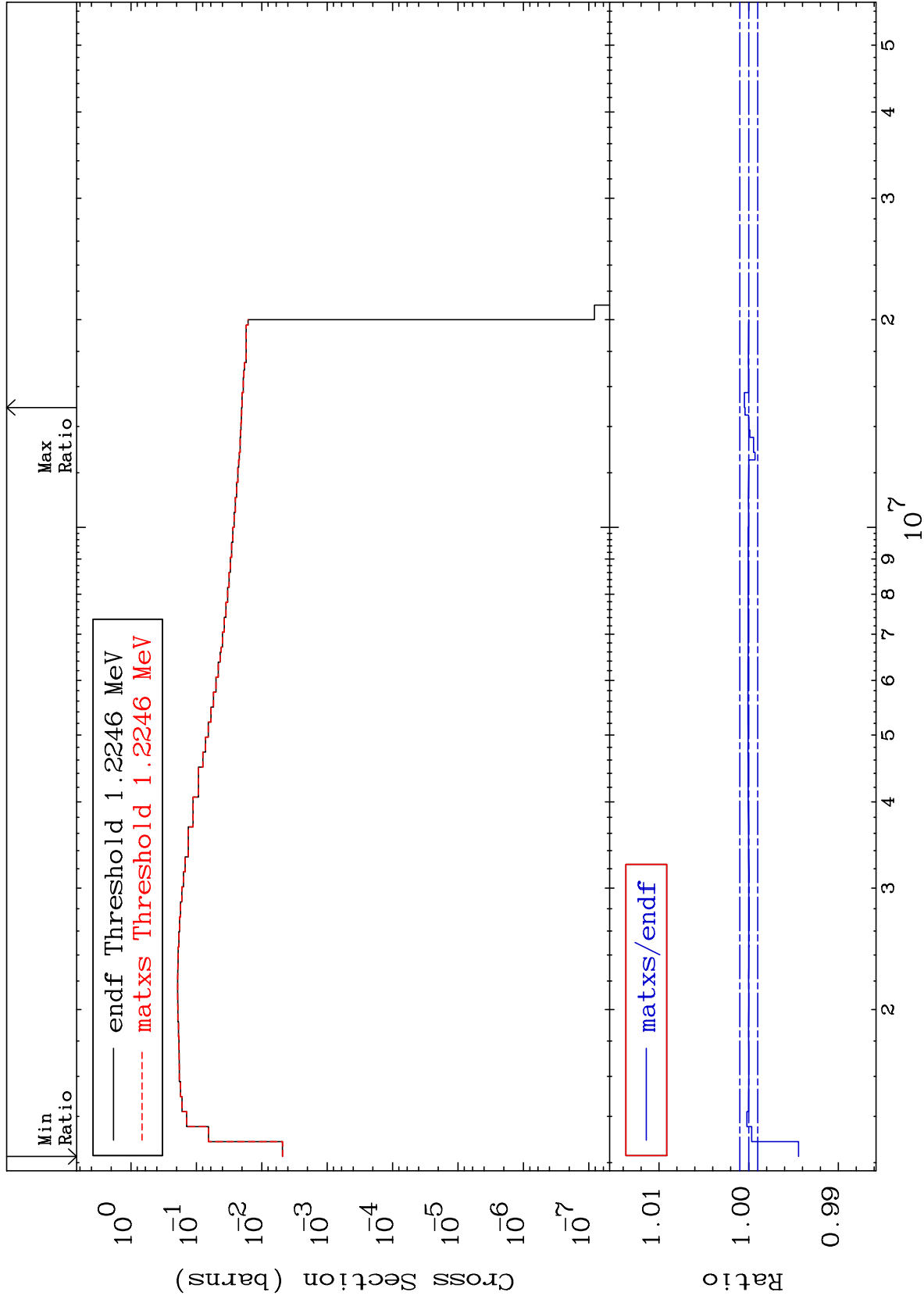
21-Sc-45

13

MAT 2125

1.237 MeV (n,n') Level  
Cross Section

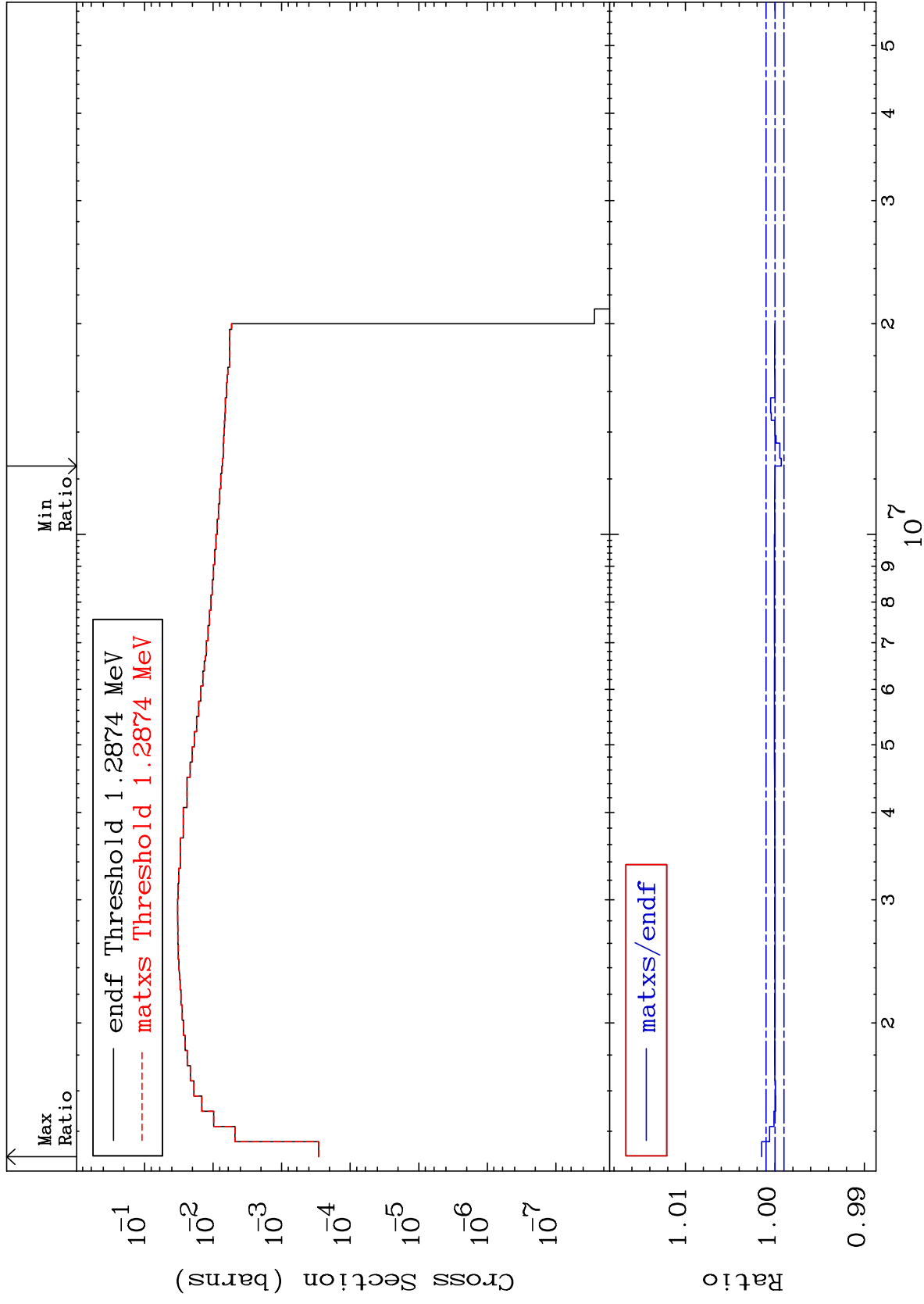
21-Sc-45  
-0.555 To 0.049 %



MAT 2125

1.303 MeV (n,n') Level  
Cross Section

21-Sc-45  
-0.070 To 0.149 %



15

Incident Energy (eV)

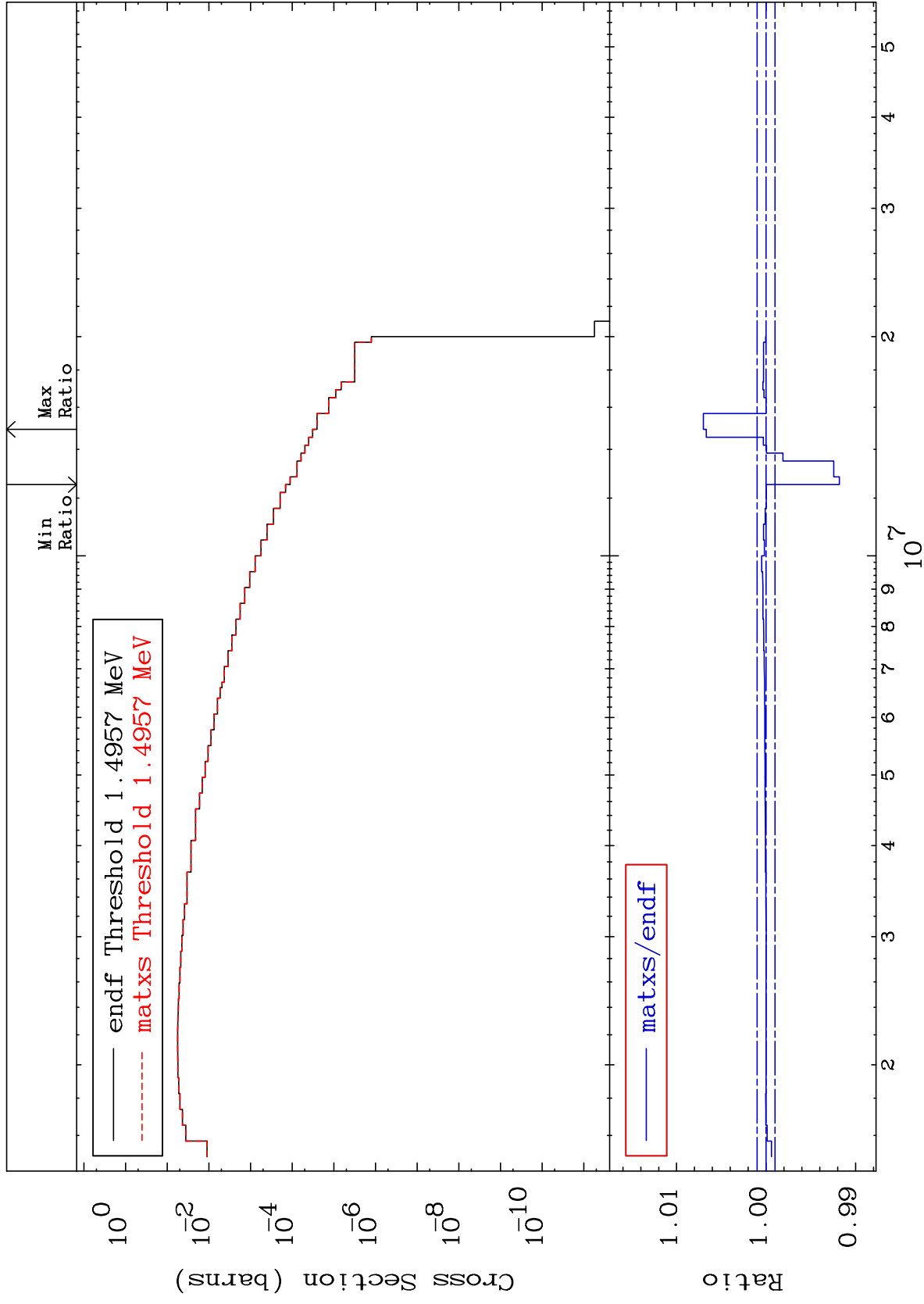
21-Sc-45



MAT 2125

1.473 MeV (n,n') Level  
Cross Section

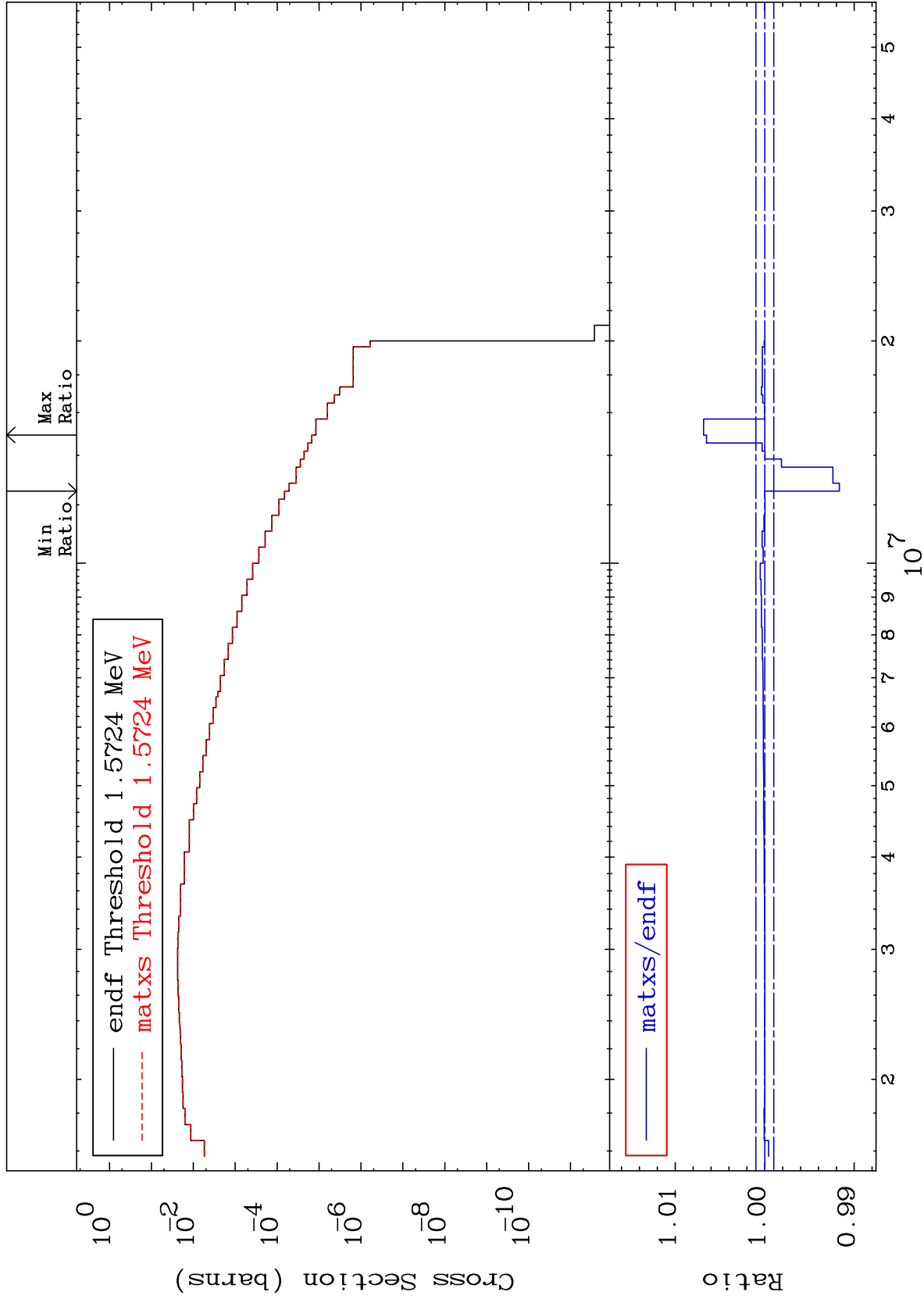
21-Sc-45  
-0.820 To 0.701 %



MAT 2125

1.556 MeV (n,n') Level  
Cross Section

21-Sc-45  
-0.833 To 0.684 %



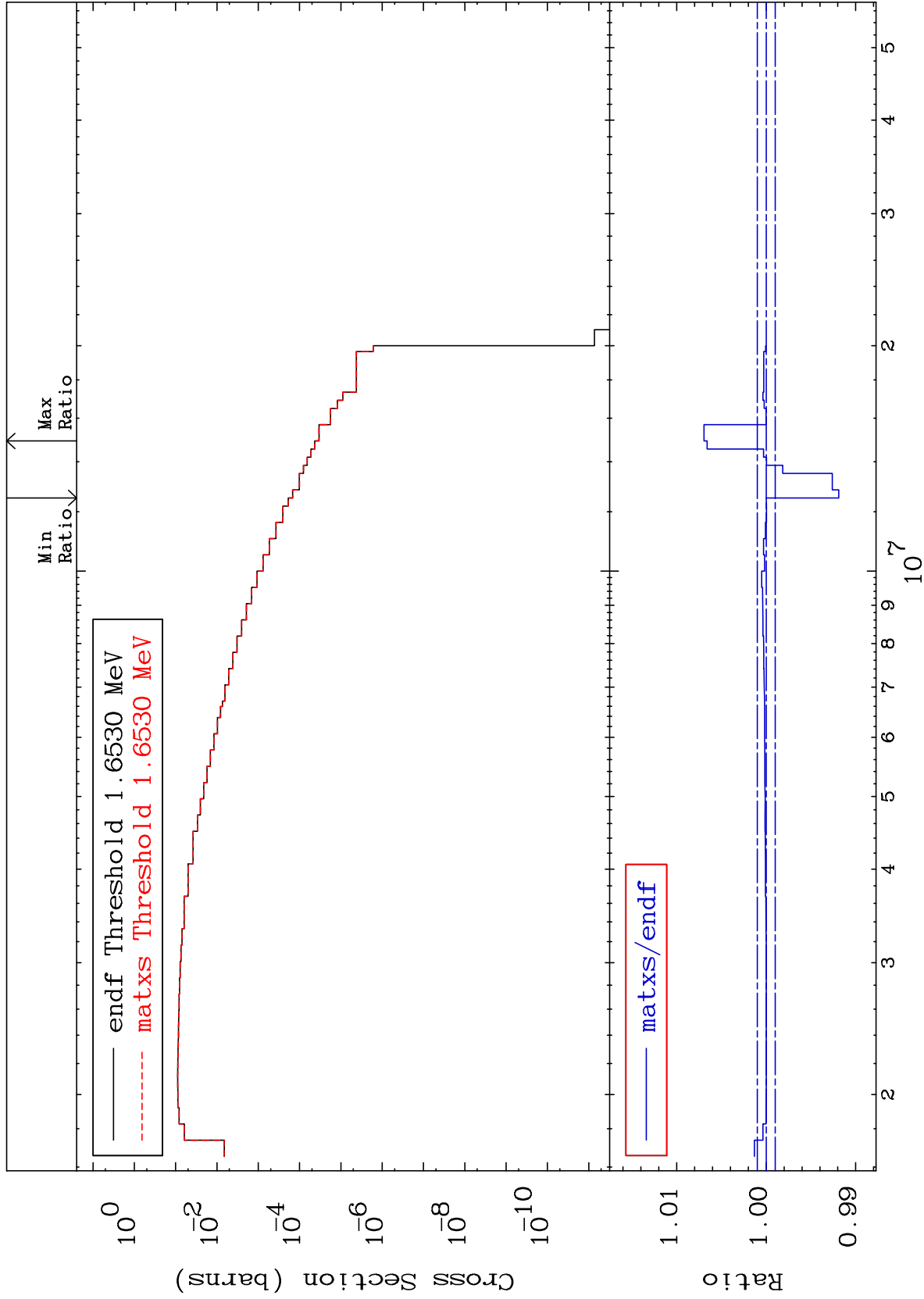
17

21-Sc-45

MAT 2125

1.662 MeV (n,n') Level  
Cross Section

21-Sc-45  
-0.811 To 0.696 %



18

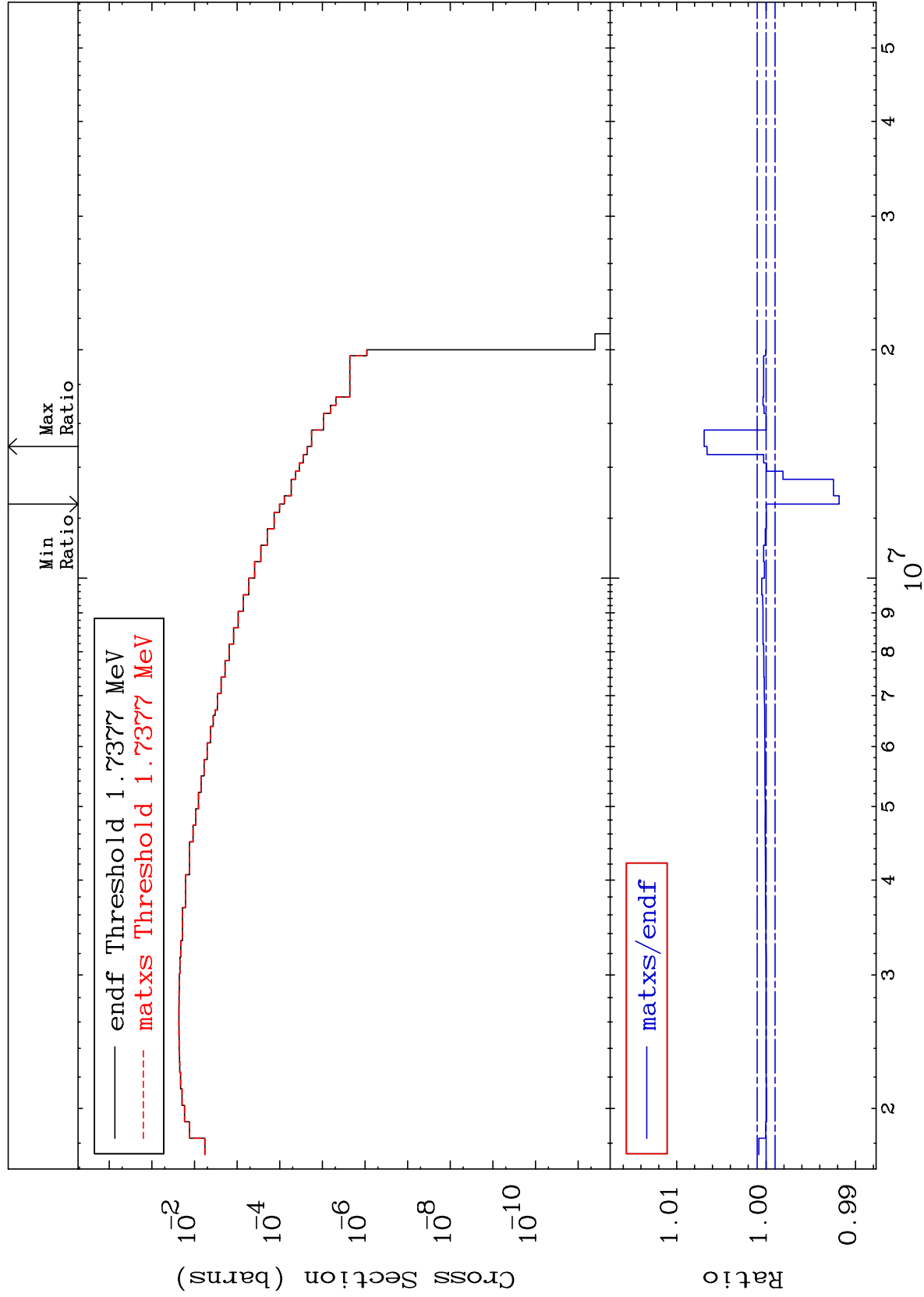
Incident Energy (eV)

21-Sc-45

MAT 2125

1.716 MeV (n,n') Level  
Cross Section

21-Sc-45  
-0.817 To 0.693 %



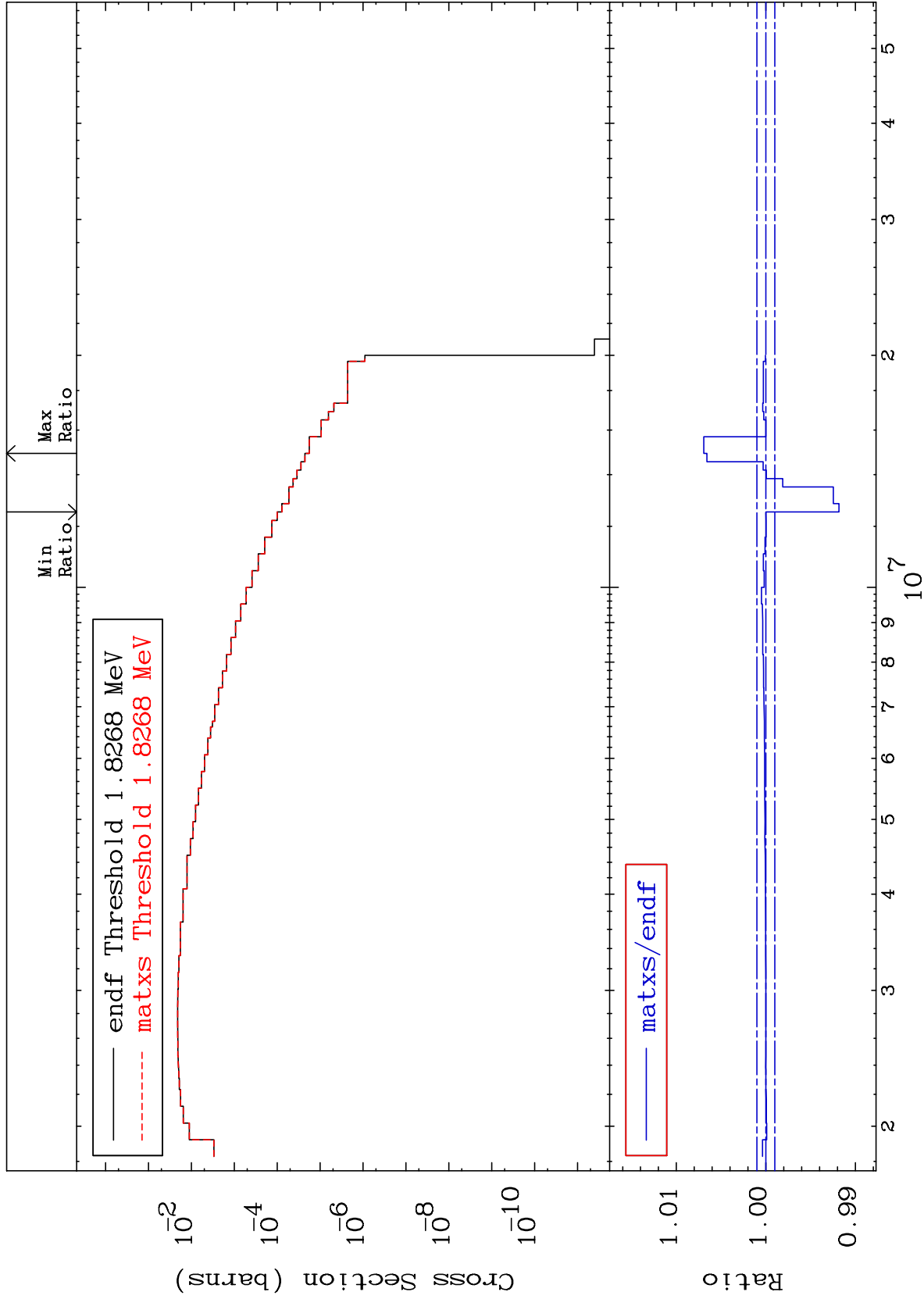
19

21-Sc-45

MAT 2125

1.800 MeV (n,n') Level  
Cross Section

21-Sc-45  
-0.817 To 0.693 %



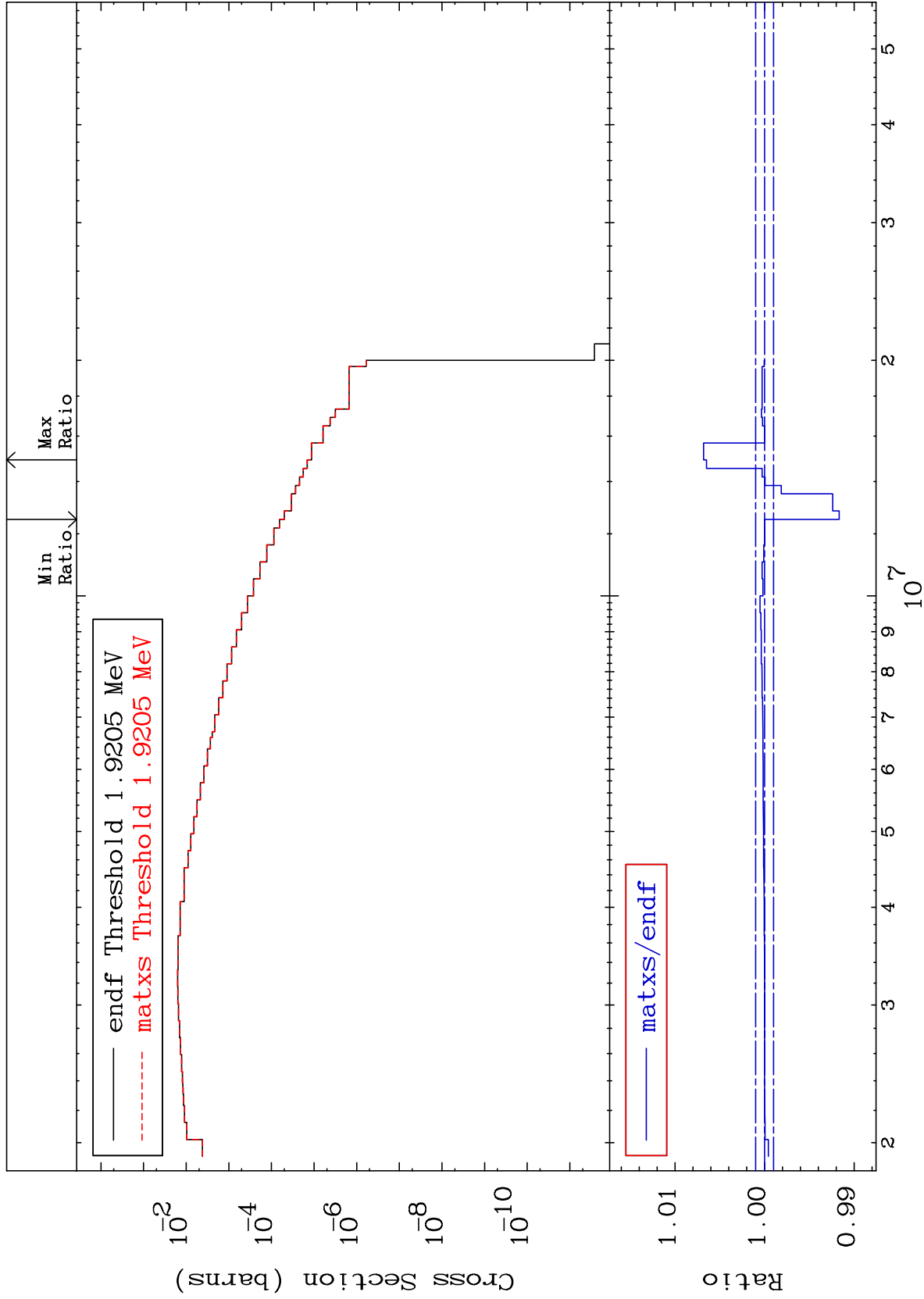
20

21-Sc-45

MAT 2125

1.901 MeV (n,n') Level  
Cross Section

21-Sc-45  
-0.833 To 0.681 %



21

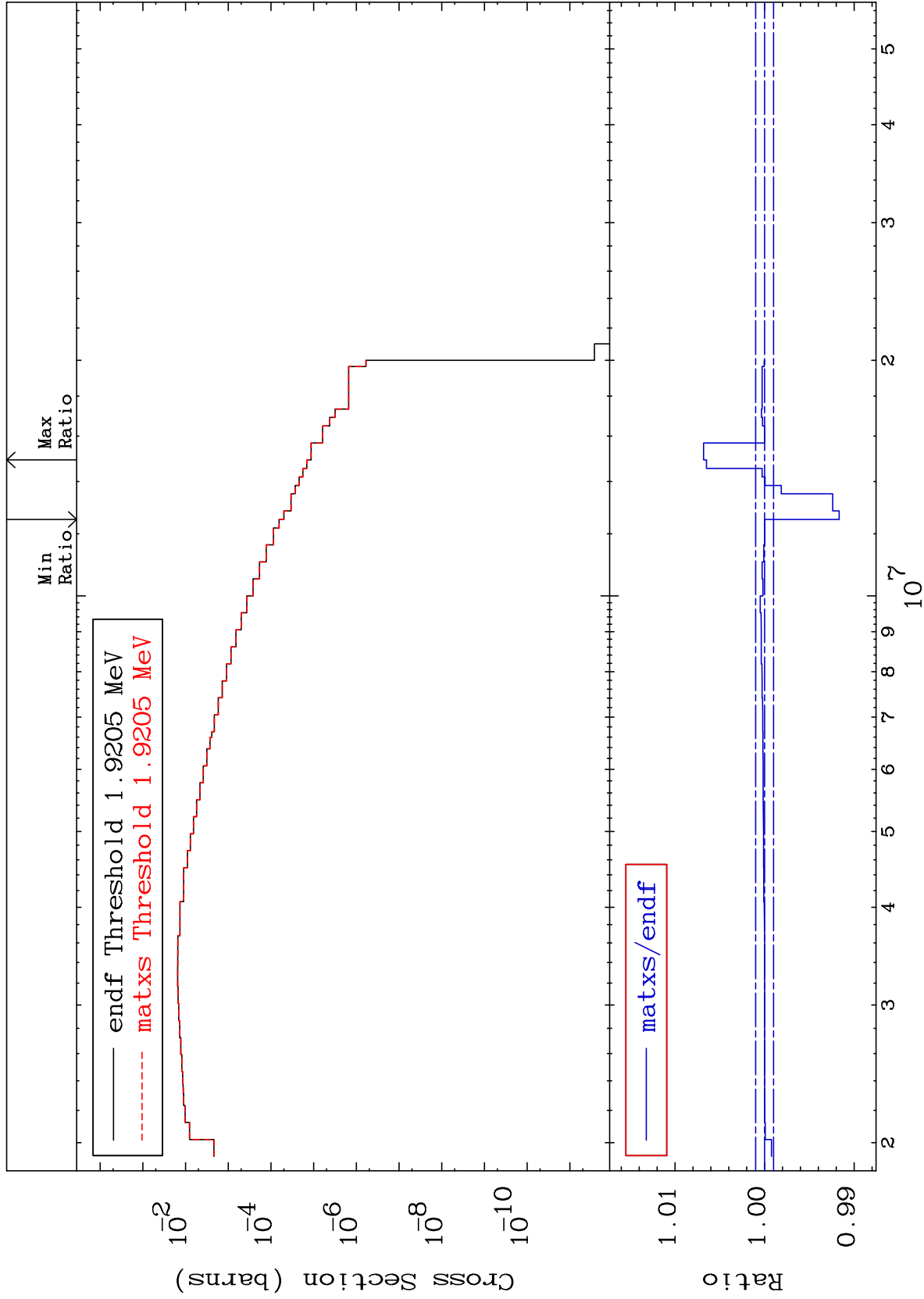
Incident Energy (eV)

21-Sc-45

MAT 2125

1.931 MeV (n,n') Level  
Cross Section

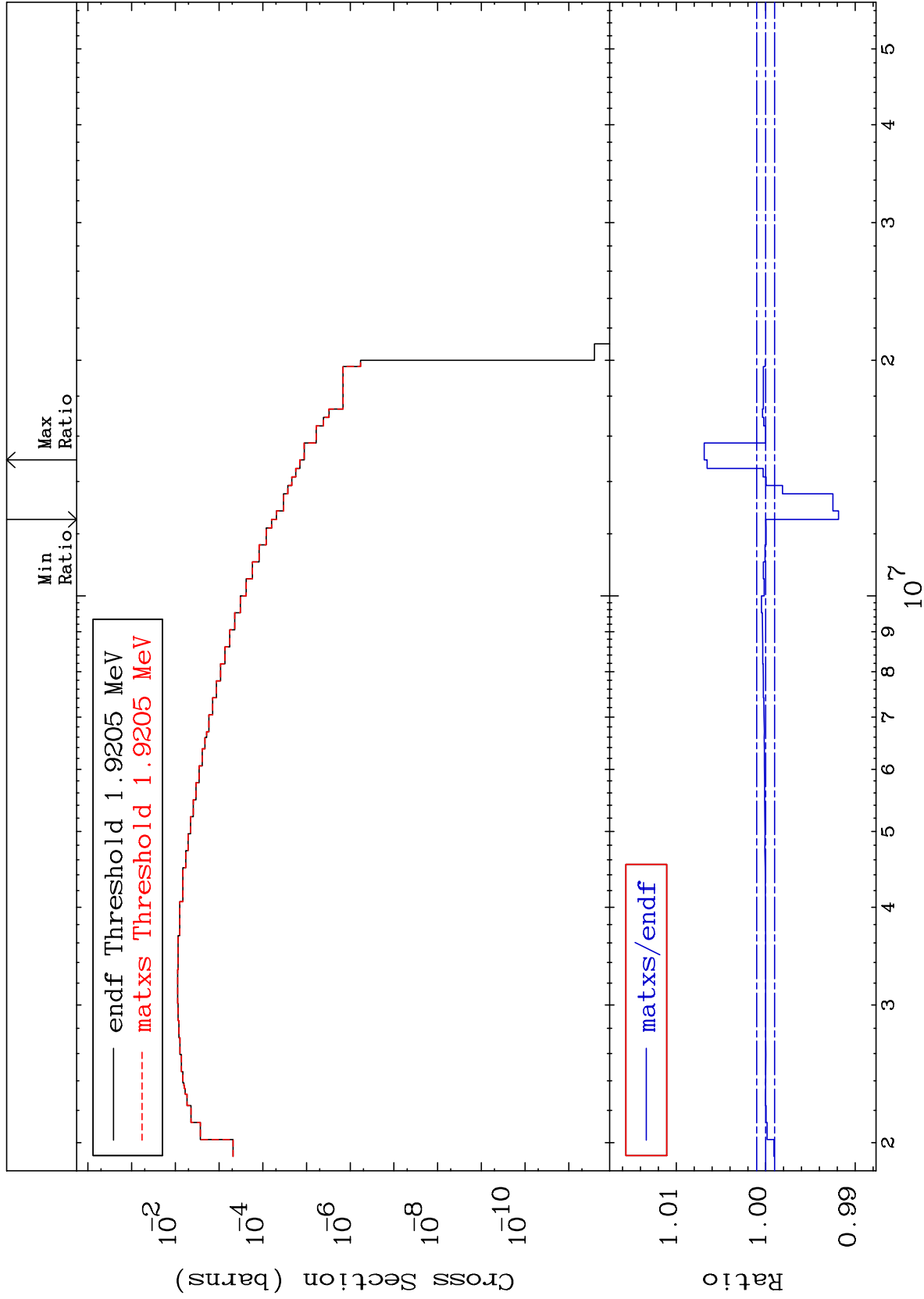
21-Sc-45  
-0.833 To 0.681 %



MAT 2125

1.936 MeV (n,n') Level  
Cross Section

21-Sc-45  
-0.814 To 0.687 %



23

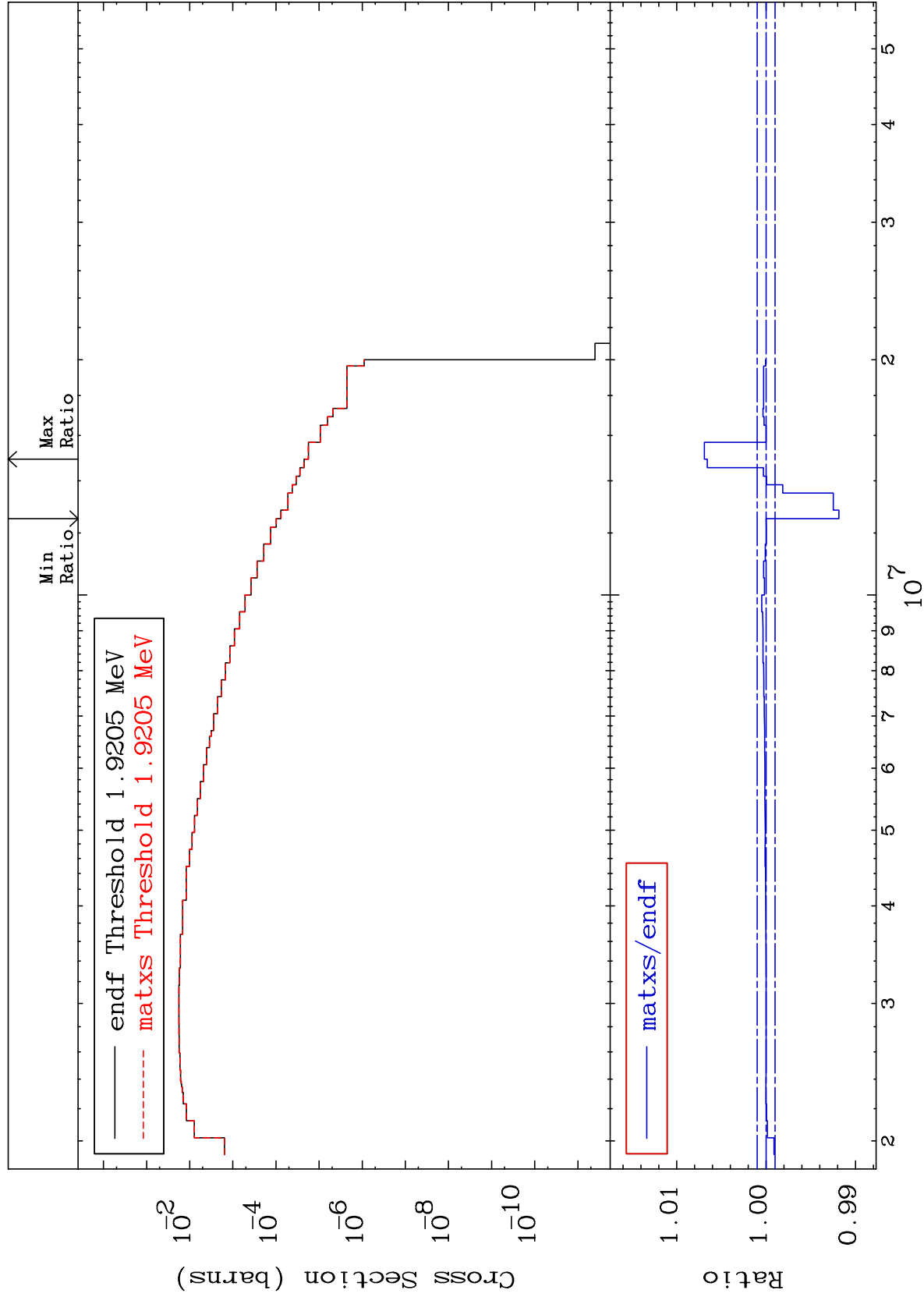
21-Sc-45



MAT 2125

1.936 MeV (n,n') Level  
Cross Section

21-Sc-45  
-0.816 To 0.692 %



24

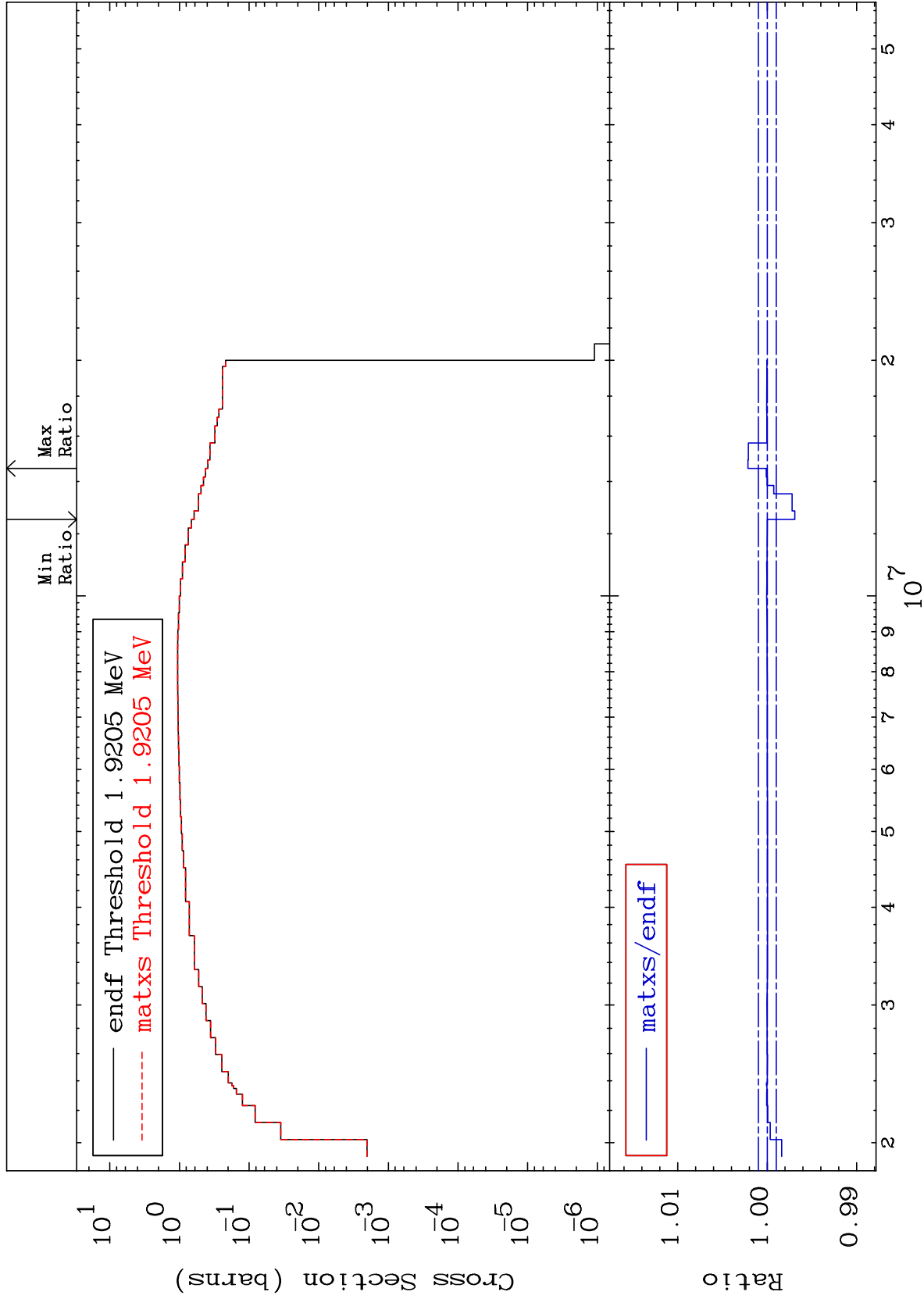
Incident Energy (eV)

21-Sc-45

MAT 2125

(n,n') Continuum  
Cross Section

21-Sc-45  
-0.309 To 0.215 %



25

Incident Energy (eV)

21-Sc-45

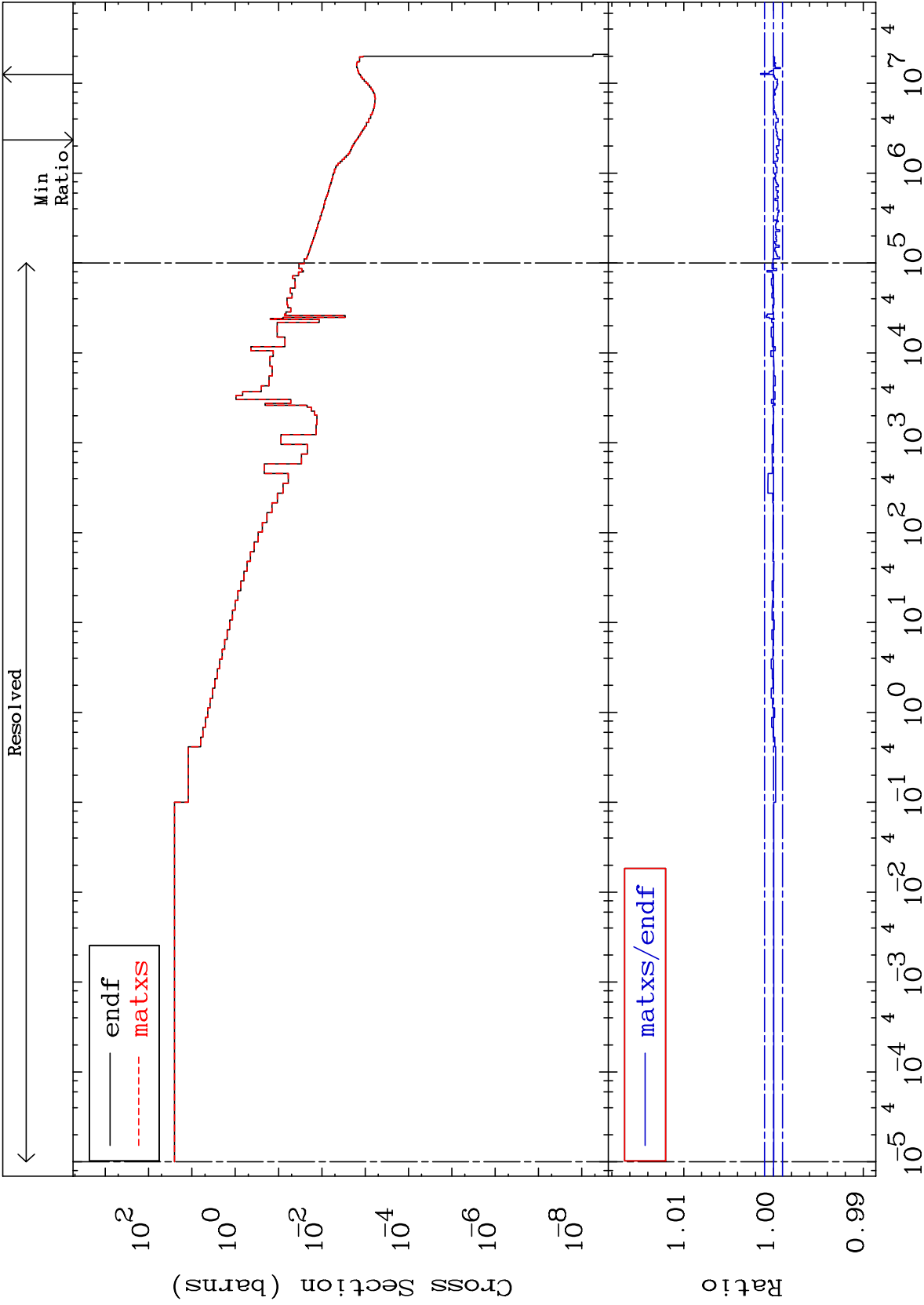
MAT 2125

(n,  $\gamma$ )

21-Sc-45

Cross Section

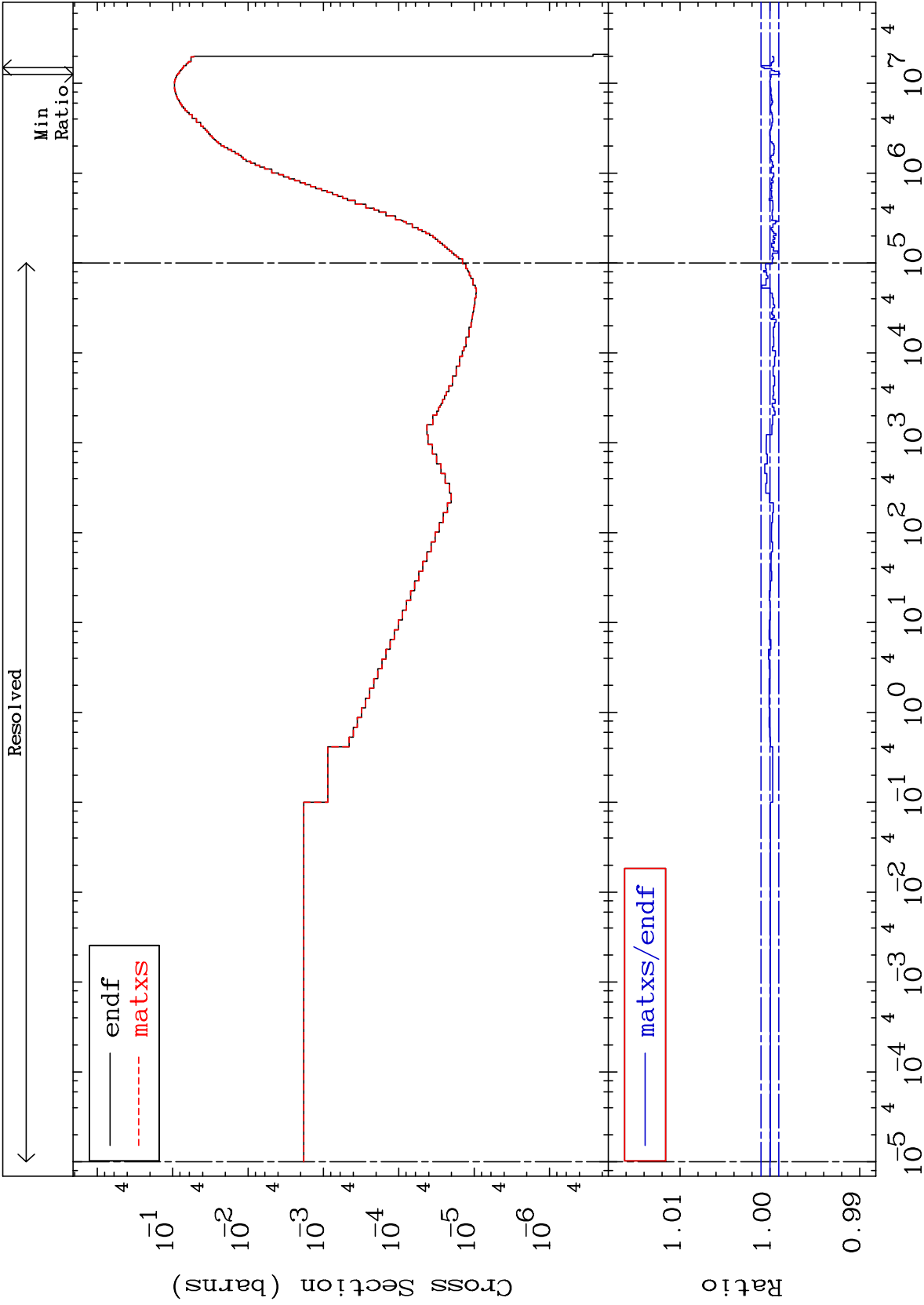
-0.082 To 0.144 %



MAT 2125

(n,p)  
Cross Section

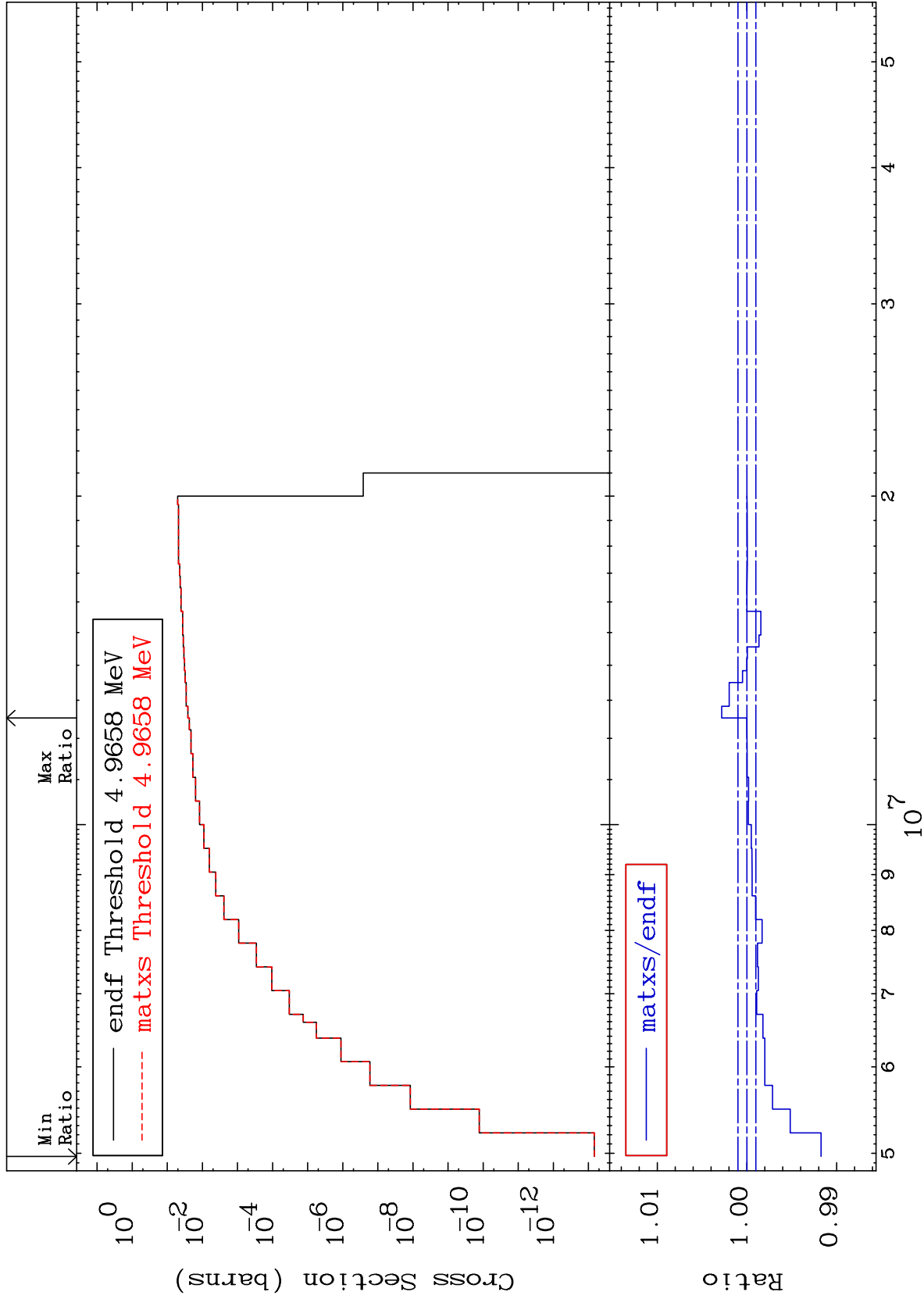
21-Sc-45  
-0.108 To 0.089 %



MAT 2125

(n,d)  
Cross Section

21-Sc-45  
-0.826 To 0.280 %



28

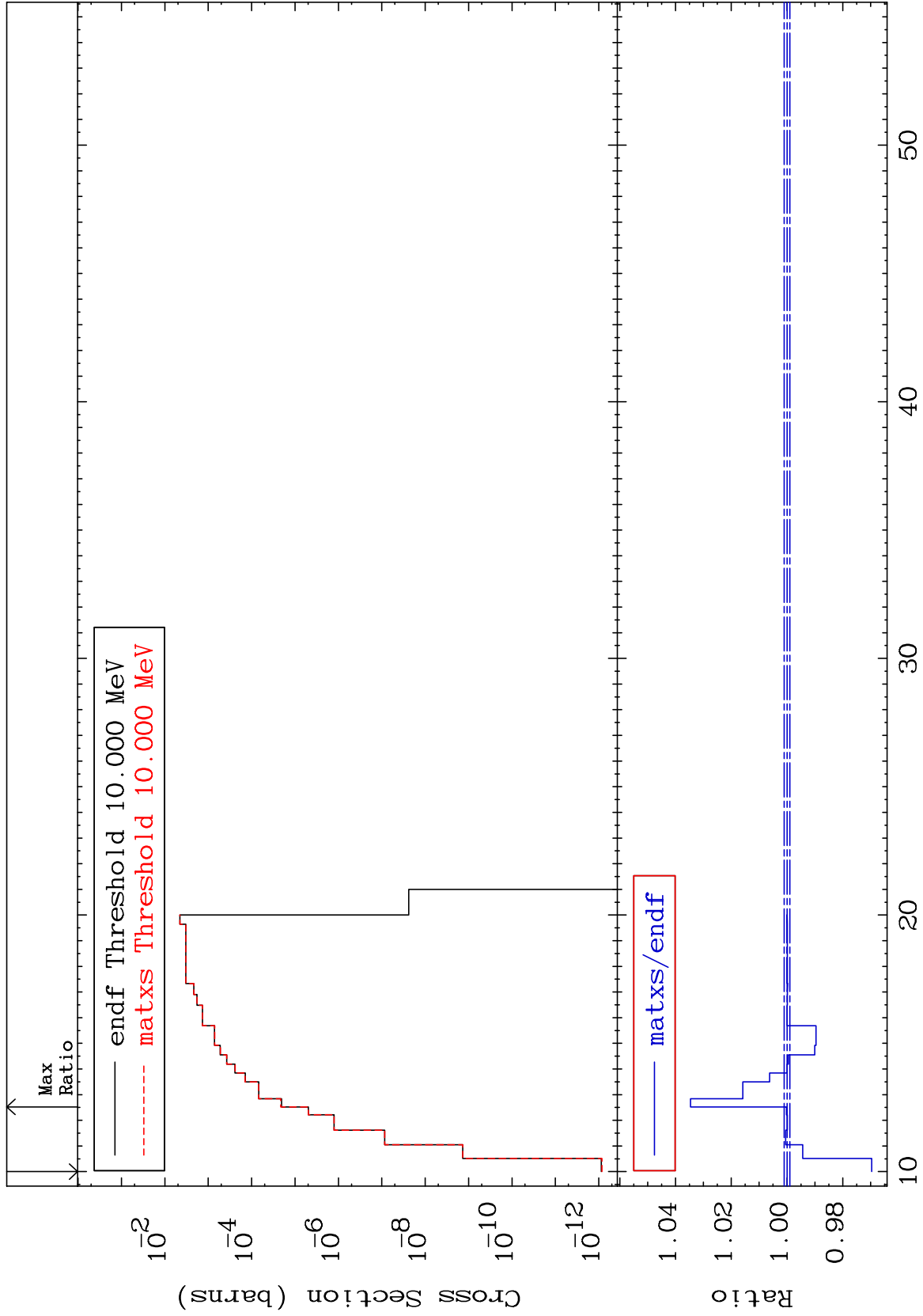
Incident Energy (eV)

21-Sc-45

MAT 2125

(n,t)  
Cross Section

21-Sc-45  
-3.038 To 3.461 %



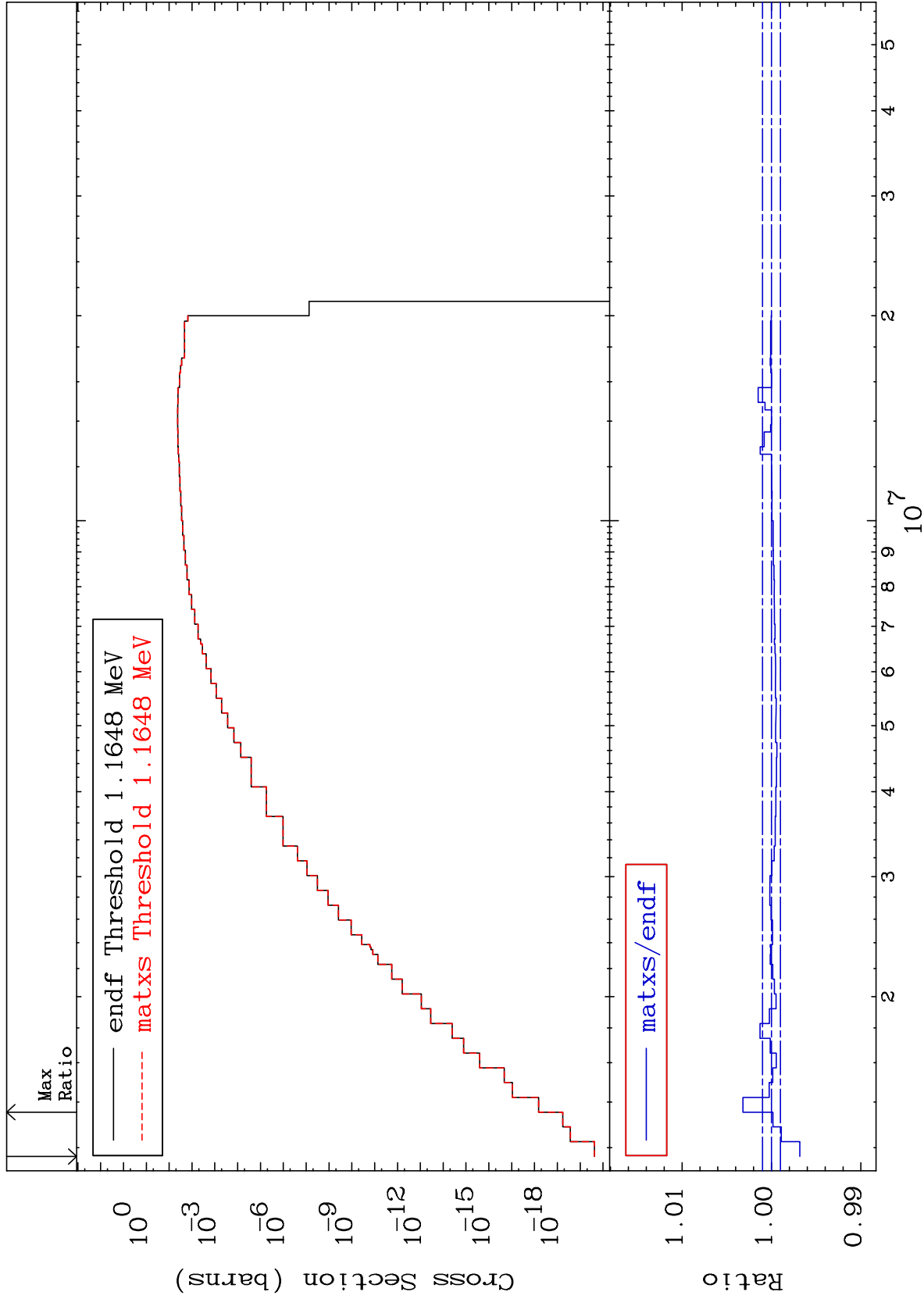
29

21-Sc-45

MAT 2125

(n,  $\alpha$ )  
Cross Section

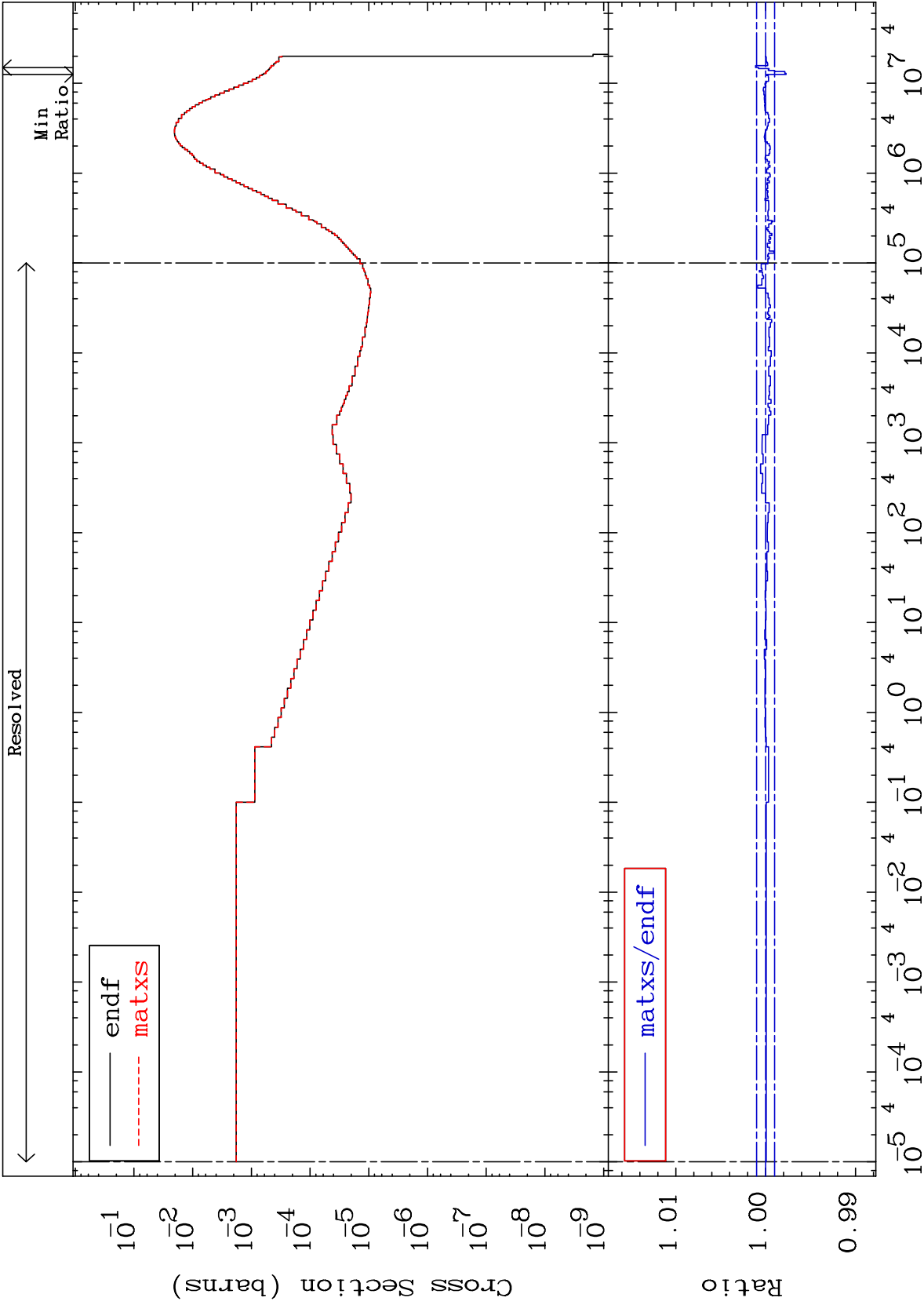
21-Sc-45  
-0.317 To 0.319 %



MAT 2125

(n,p') Ground  
Cross Section

21-Sc-45  
-0.227 To 0.114 %

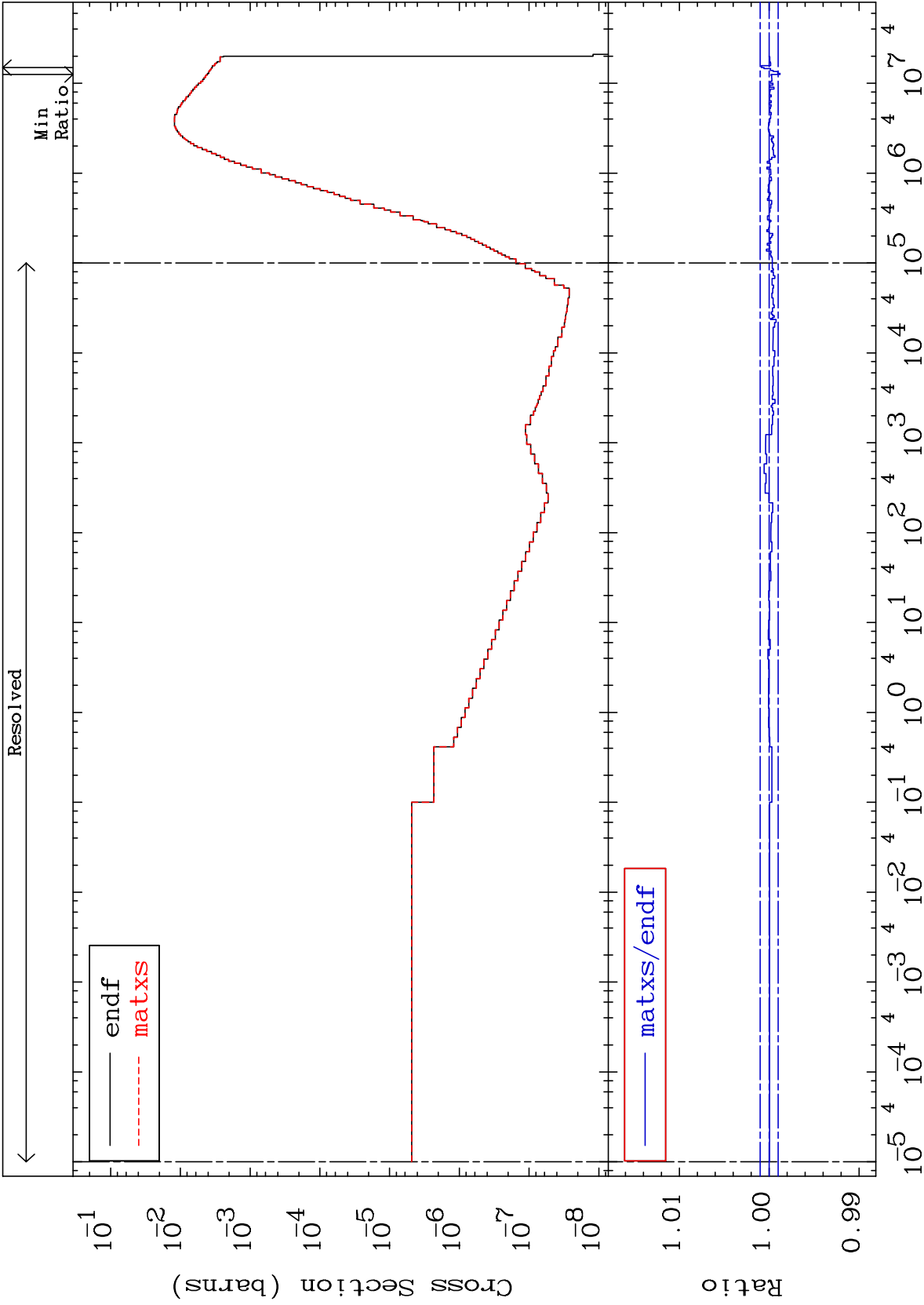




MAT 2125

174.3 keV (n,p') Level  
Cross Section

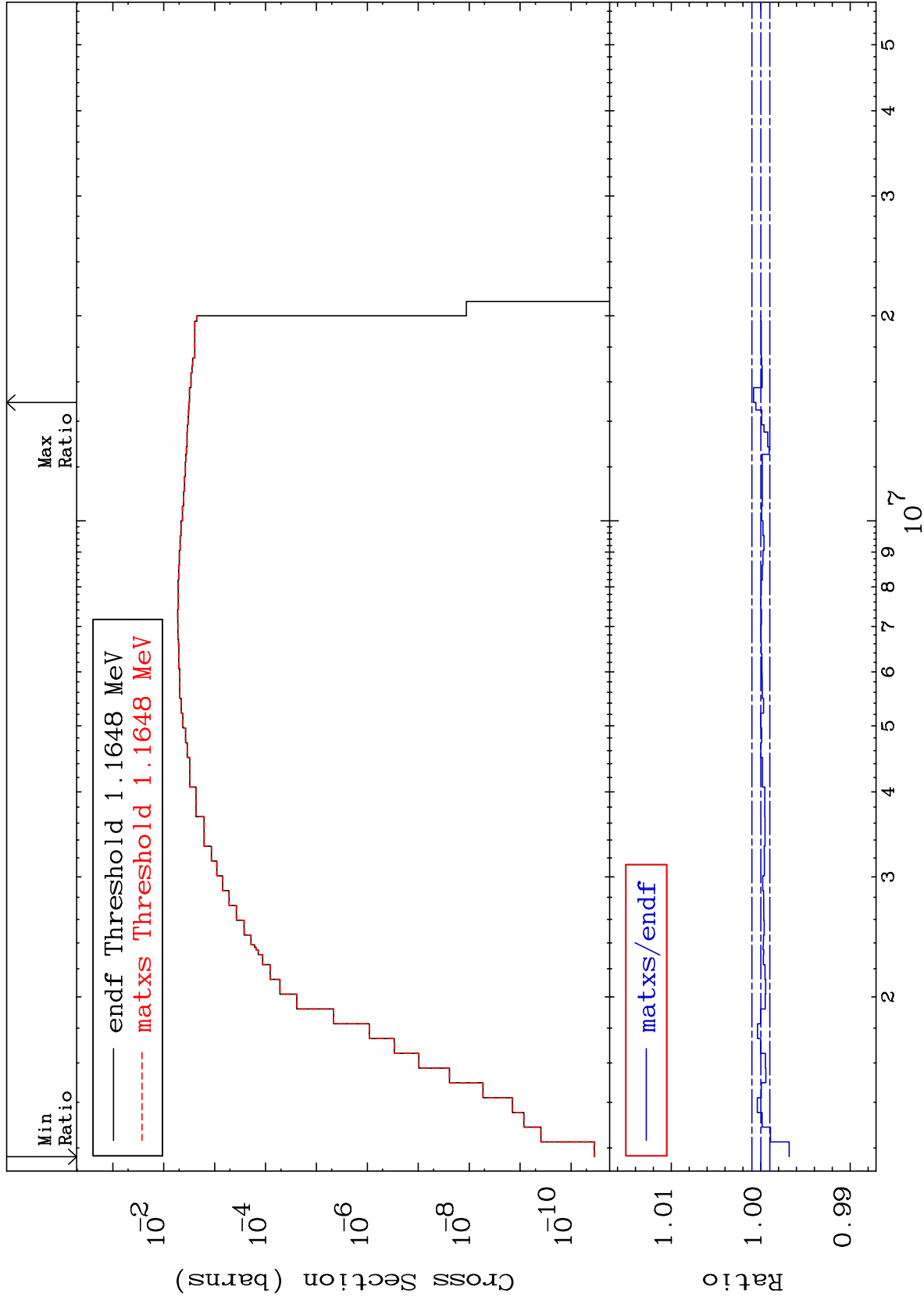
21-Sc-45  
-0.120 To 0.086 %



MAT 2125

1.435 MeV (n,p') Level  
Cross Section

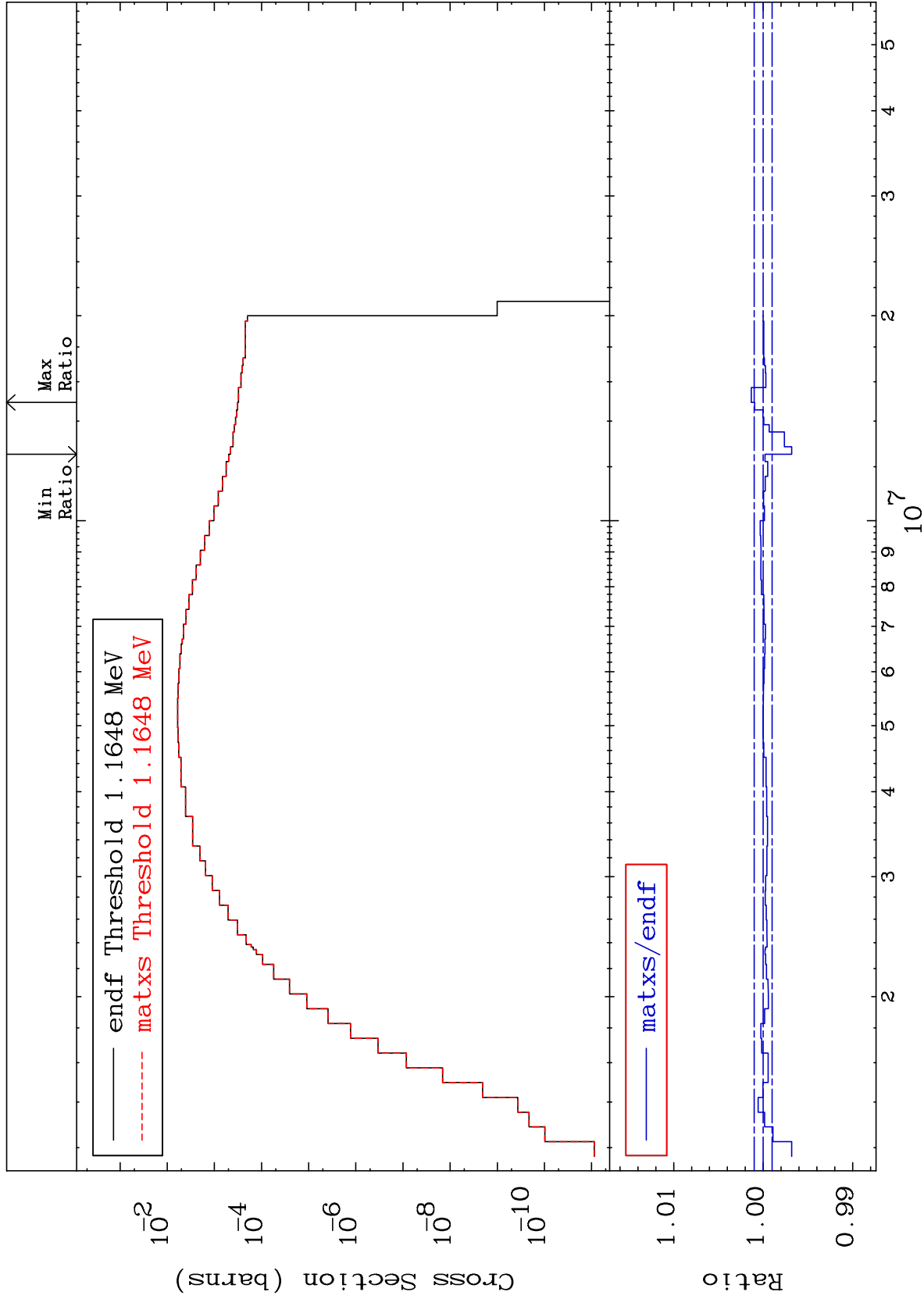
21-Sc-45  
-0.317 To 0.079 %



MAT 2125

1.554 MeV (n,p') Level  
Cross Section

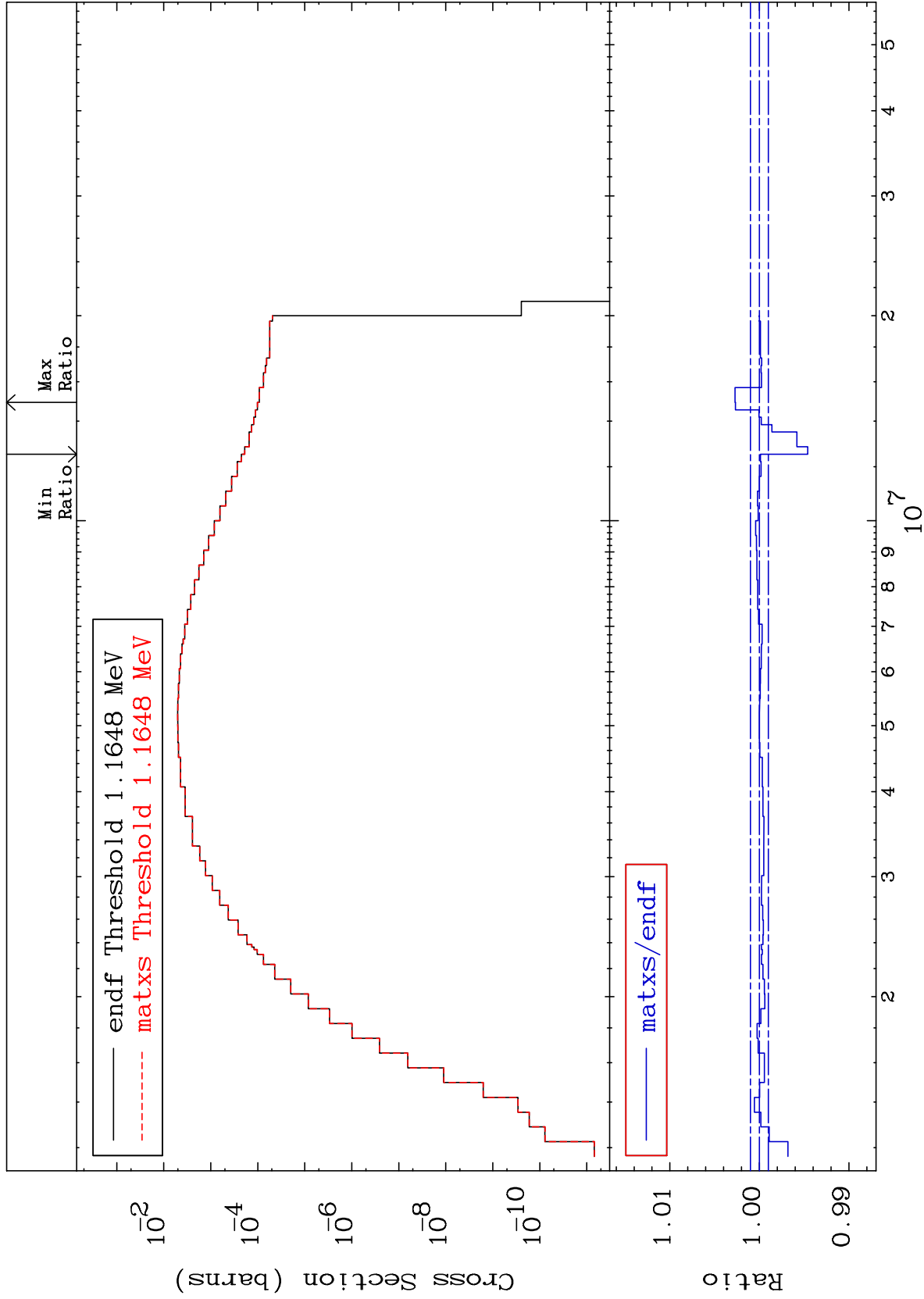
21-Sc-45  
-0.317 To 0.134 %



MAT 2125

1.558 MeV (n,p') Level  
Cross Section

21-Sc-45  
-0.538 To 0.272 %



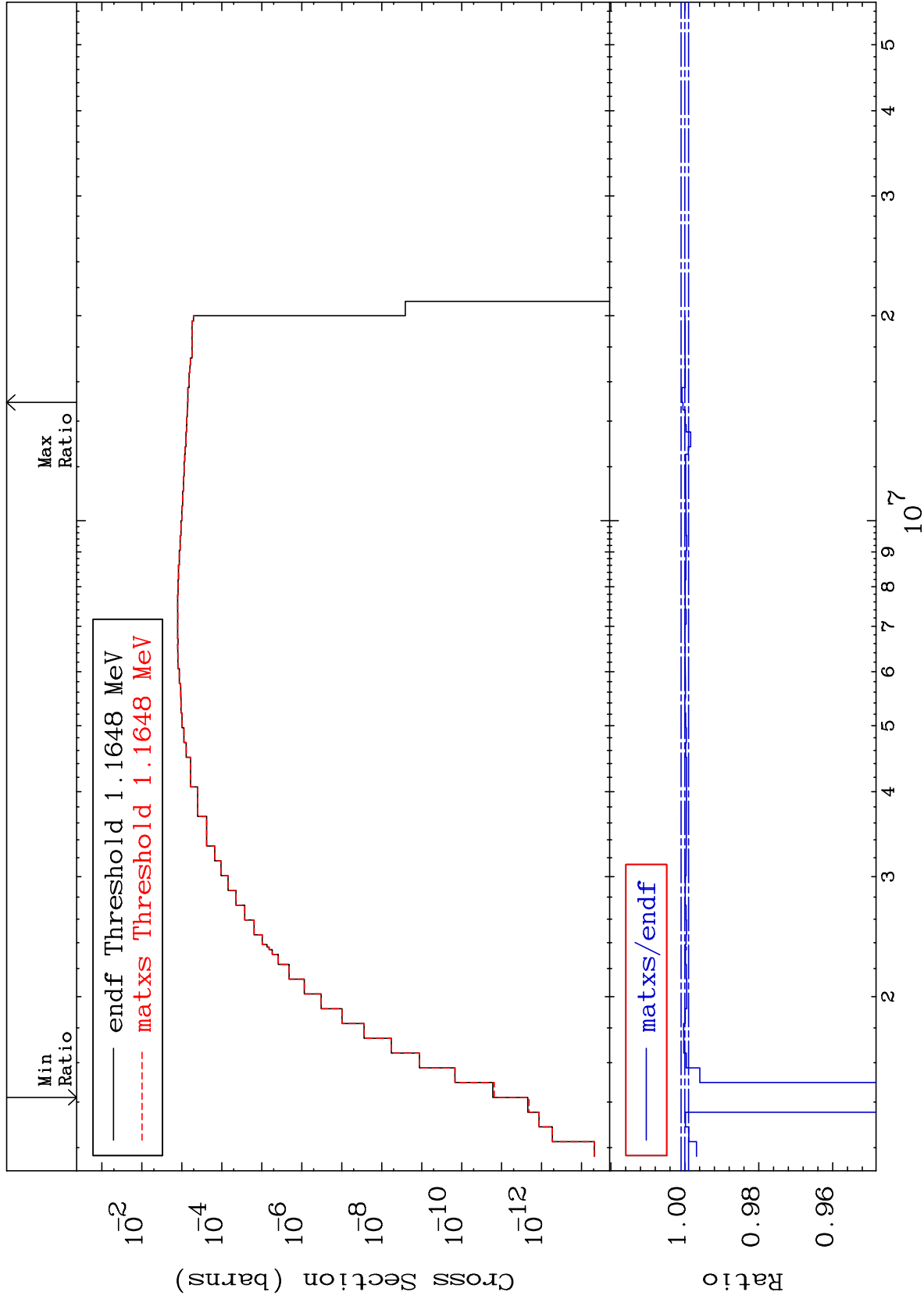
35

21-Sc-45

MAT 2125

1.584 MeV (n,p') Level  
Cross Section

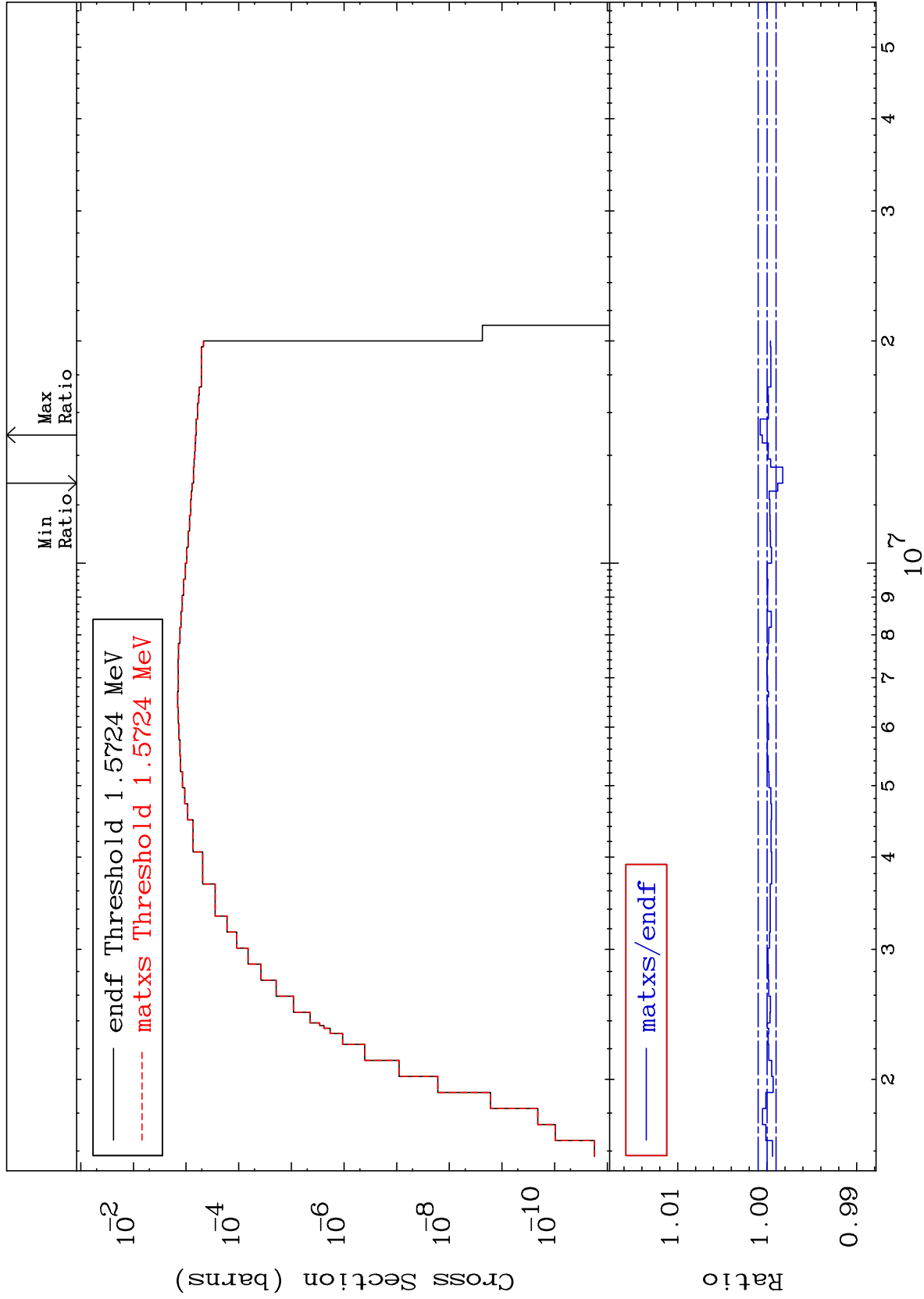
21-Sc-45  
-7.951 To 0.077 %



MAT 2125

1.880 MeV (n,p') Level  
Cross Section

21-Sc-45  
-0.173 To 0.078 %



37

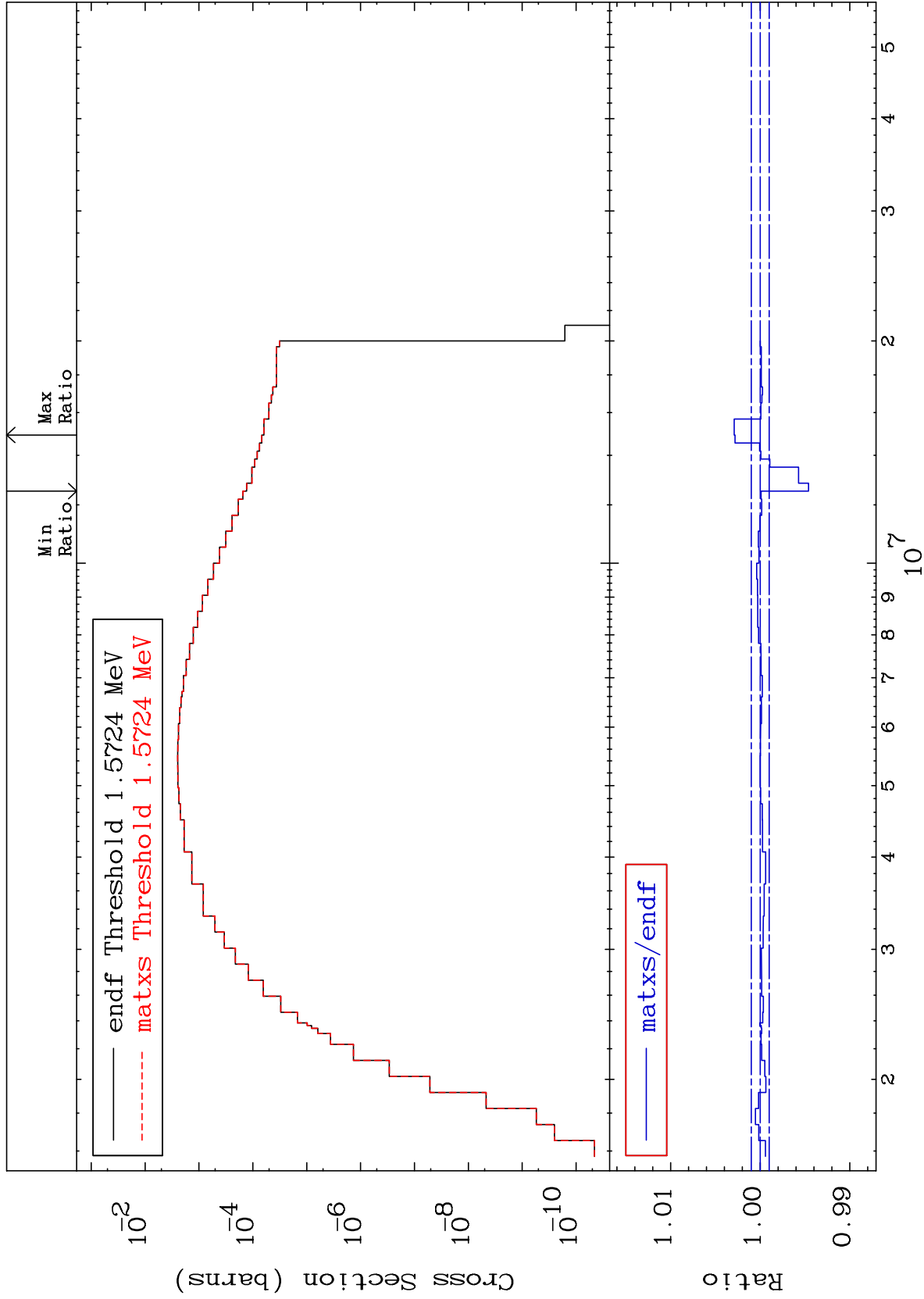
Incident Energy (eV)

21-Sc-45

MAT 2125

1.884 MeV (n,p') Level  
Cross Section

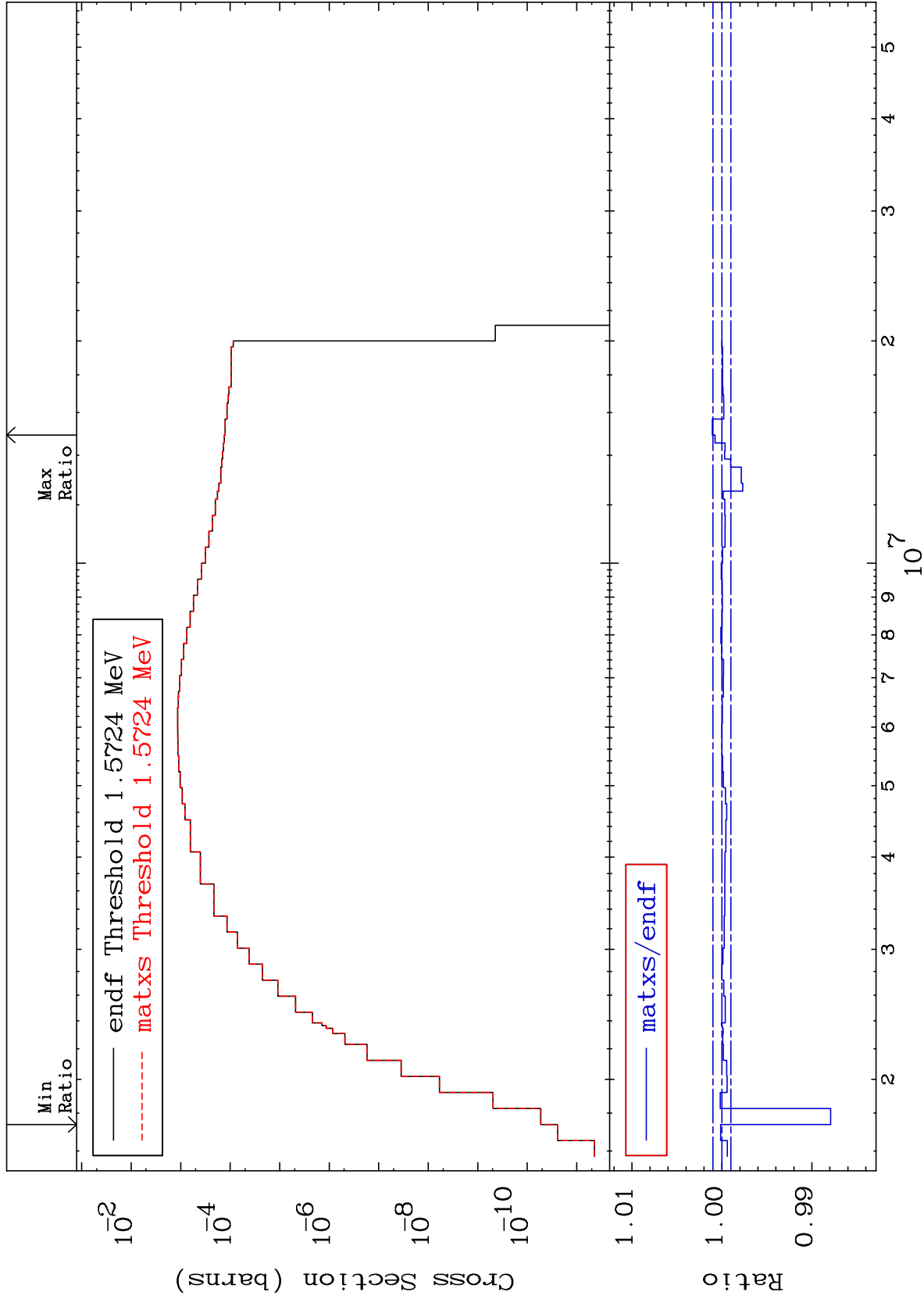
21-Sc-45  
-0.541 To 0.290 %



MAT 2125

1.900 MeV (n,p') Level  
Cross Section

21-Sc-45  
-1.207 To 0.108 %

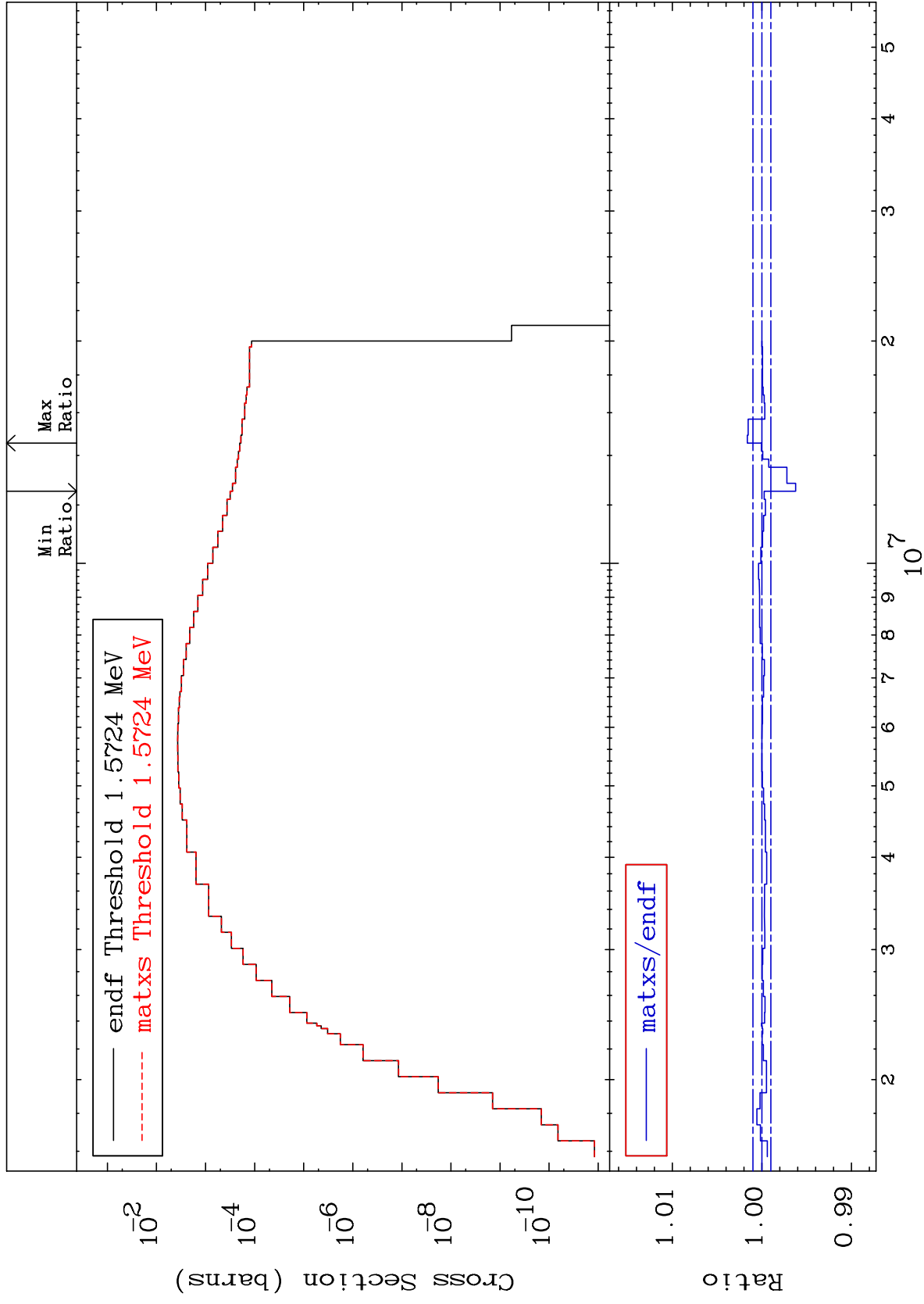




MAT 2125

1.940 MeV (n,p') Level  
Cross Section

21-Sc-45  
-0.376 To 0.163 %

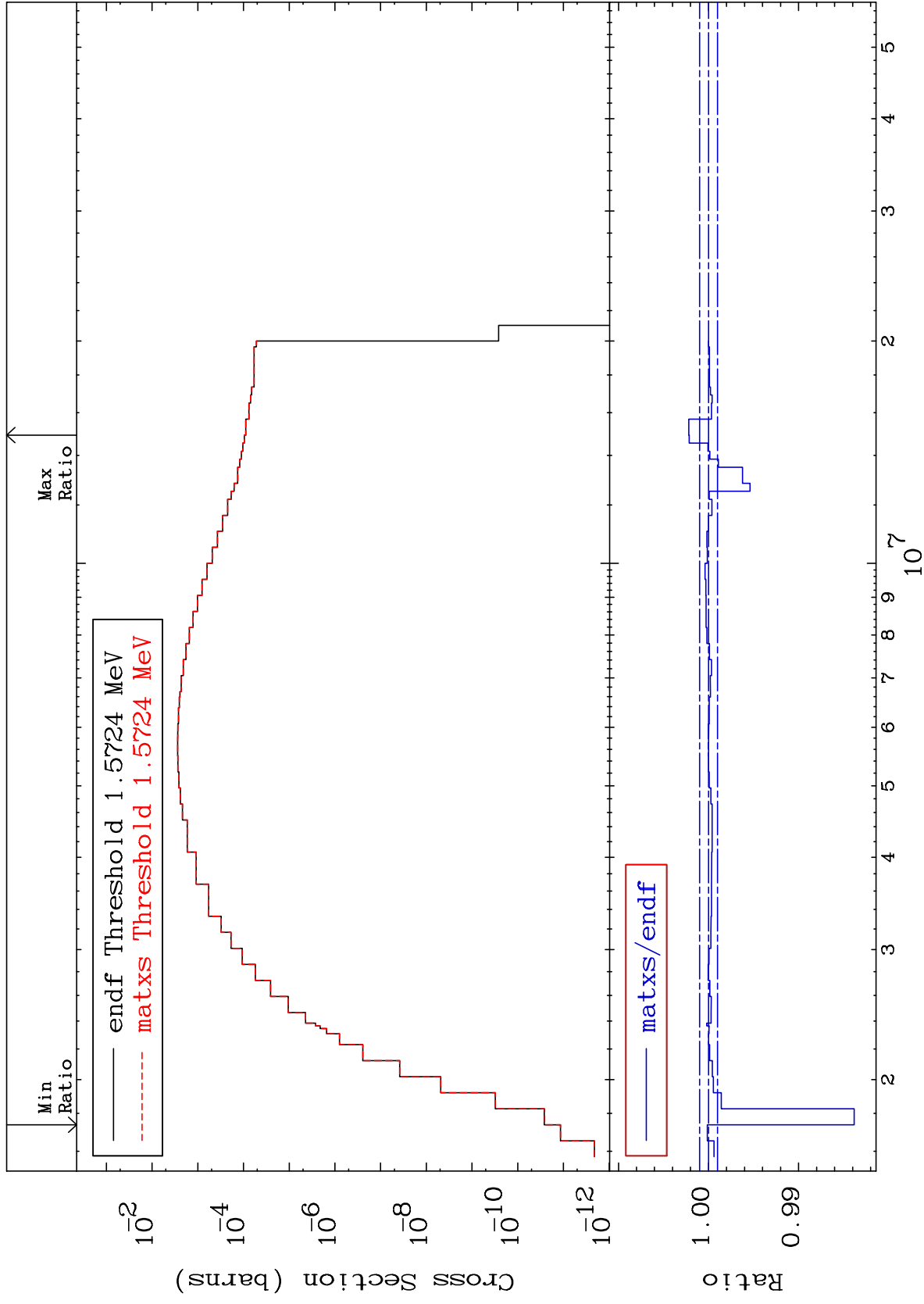


40

Incident Energy (eV)

21-Sc-45

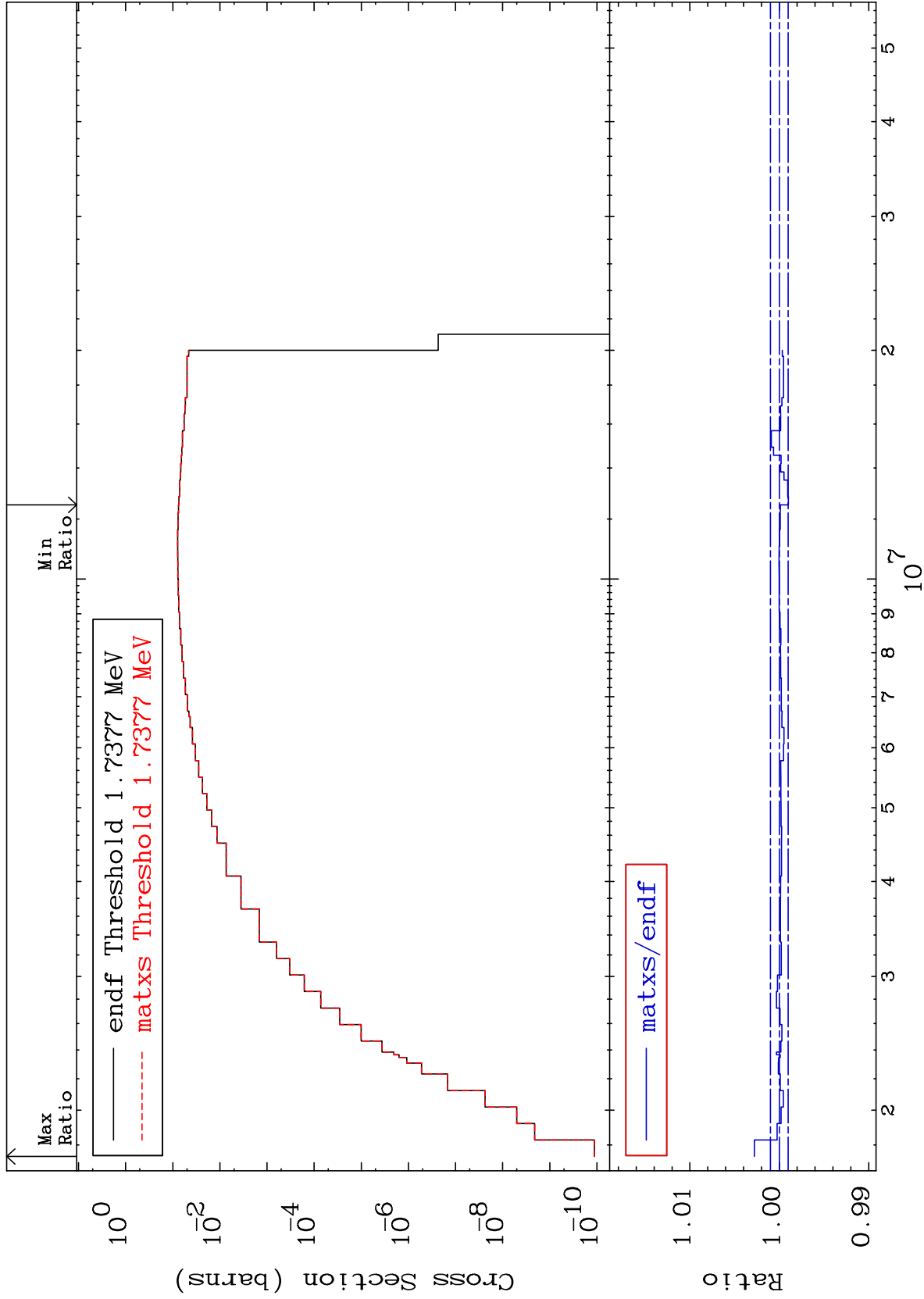
MAT 2125      1.973 MeV (n,p') Level      21-Sc-45  
 Cross Section      -1.616 To 0.220 %



MAT 2125

1.973 MeV (n,p') Level  
Cross Section

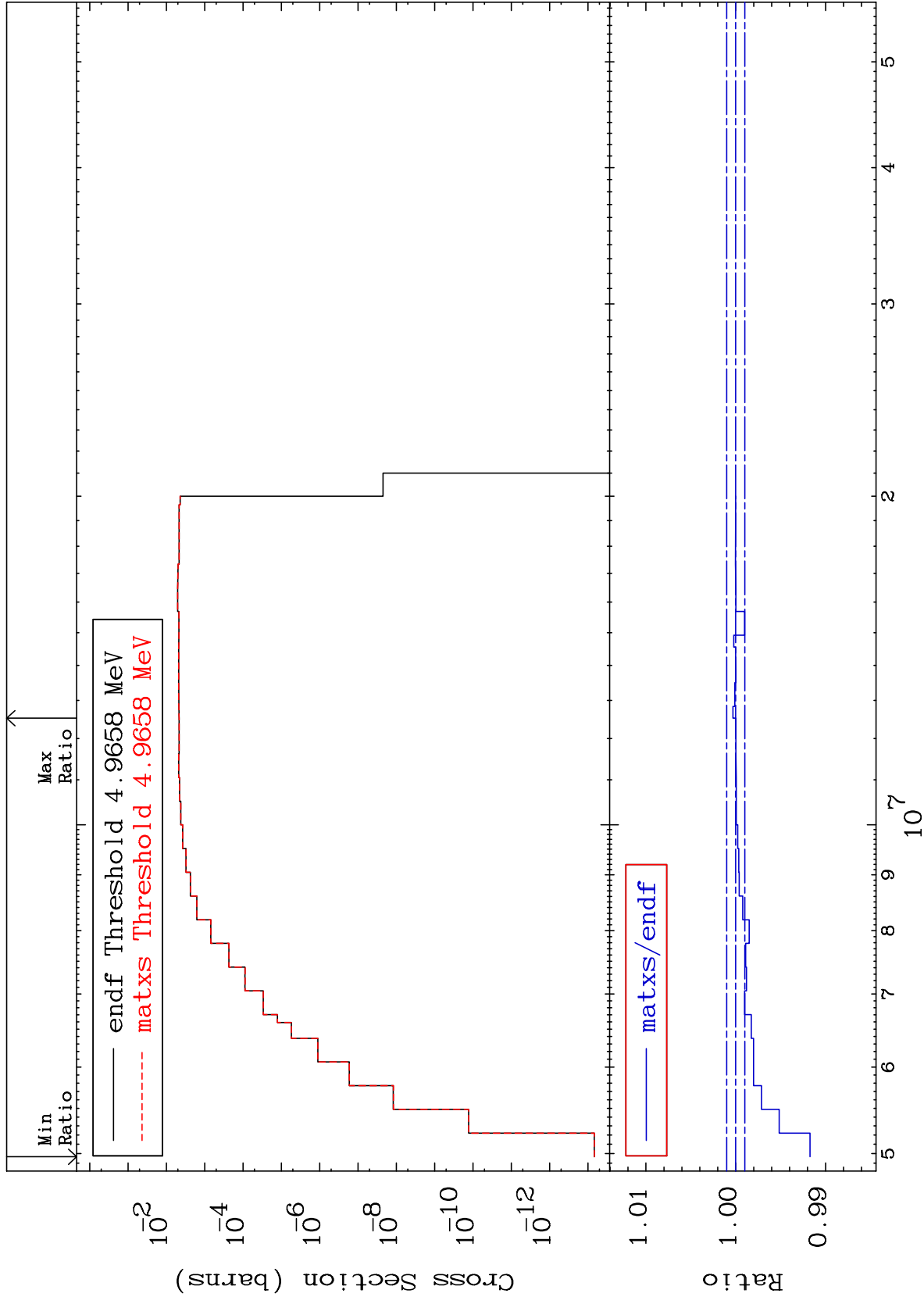
21-Sc-45  
-0.102 To 0.279 %



MAT 2125

(n, d') Ground  
Cross Section

21-Sc-45  
-0.826 To 0.032 %



43

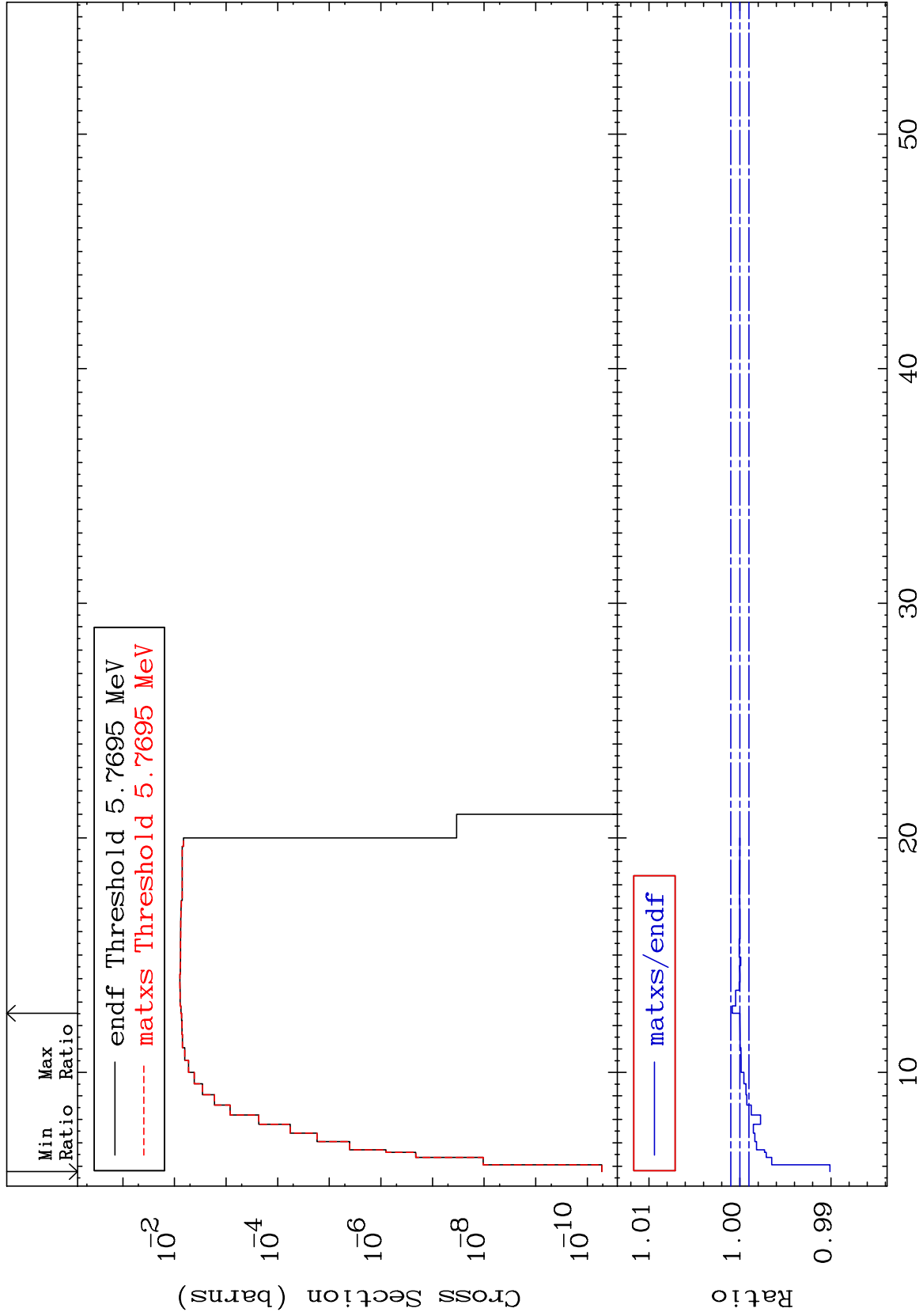
Incident Energy (eV)

21-Sc-45

MAT 2125

1.157 MeV (n,d') Level  
Cross Section

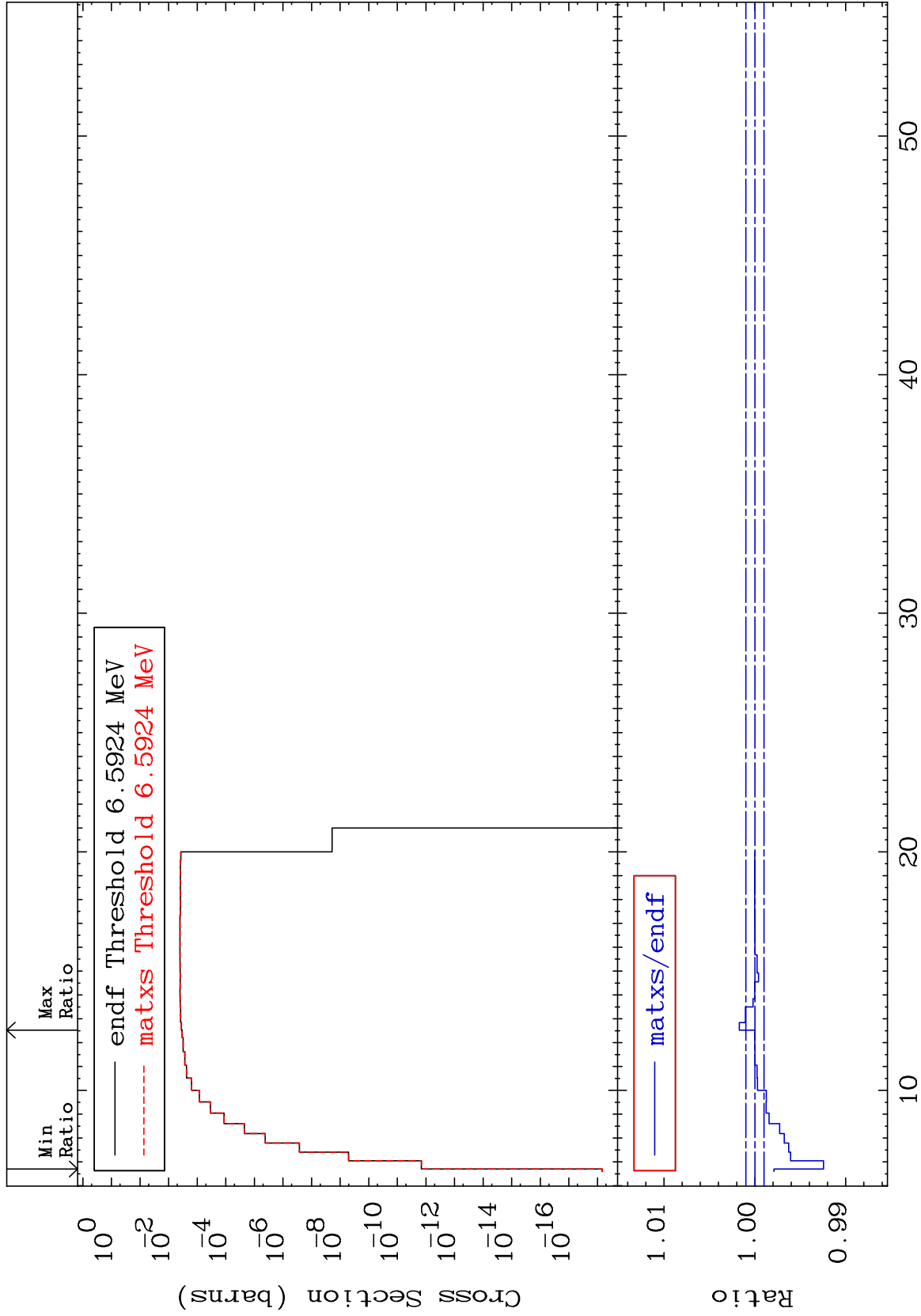
21-Sc-45  
-0.990 To 0.084 %



MAT 2125

1.884 MeV (n,d') Level  
Cross Section

21-Sc-45  
-0.755 To 0.170 %



45

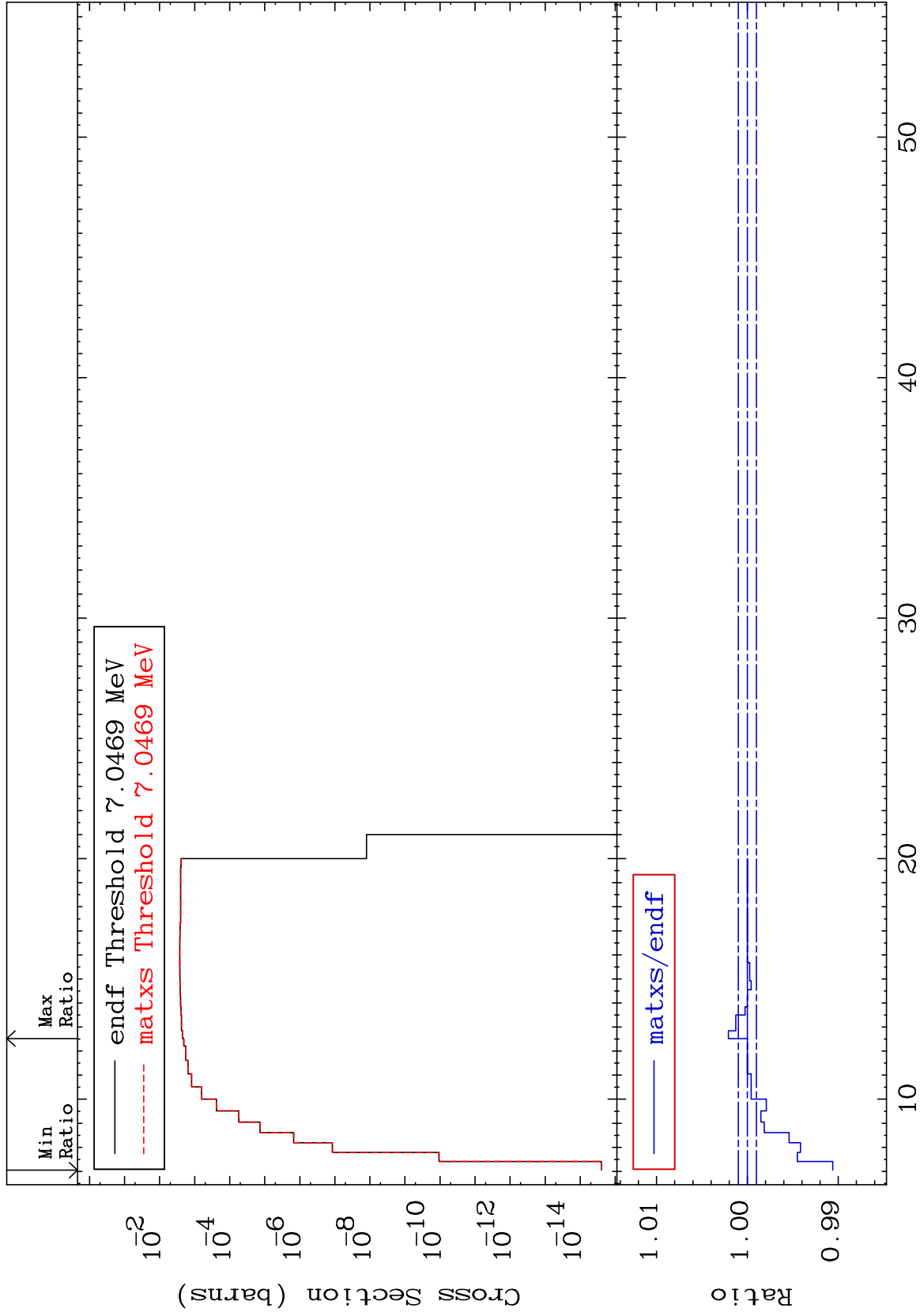
Incident Energy (MeV)

21-Sc-45

MAT 2125

2.283 MeV (n,d') Level  
Cross Section

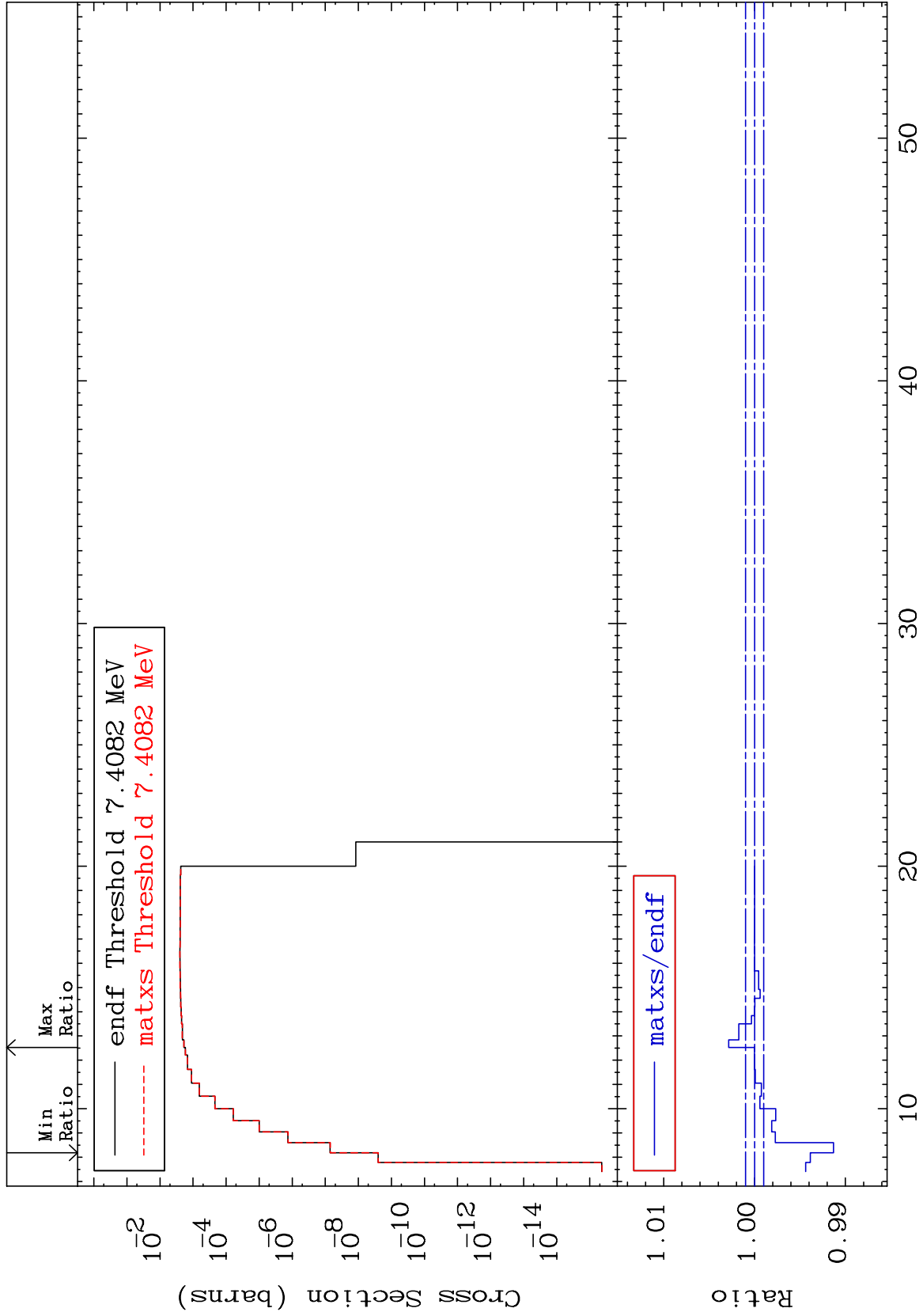
21-Sc-45  
-0.940 To 0.209 %



MAT 2125

2.657 MeV (n,d') Level  
Cross Section

21-Sc-45  
-0.869 To 0.285 %

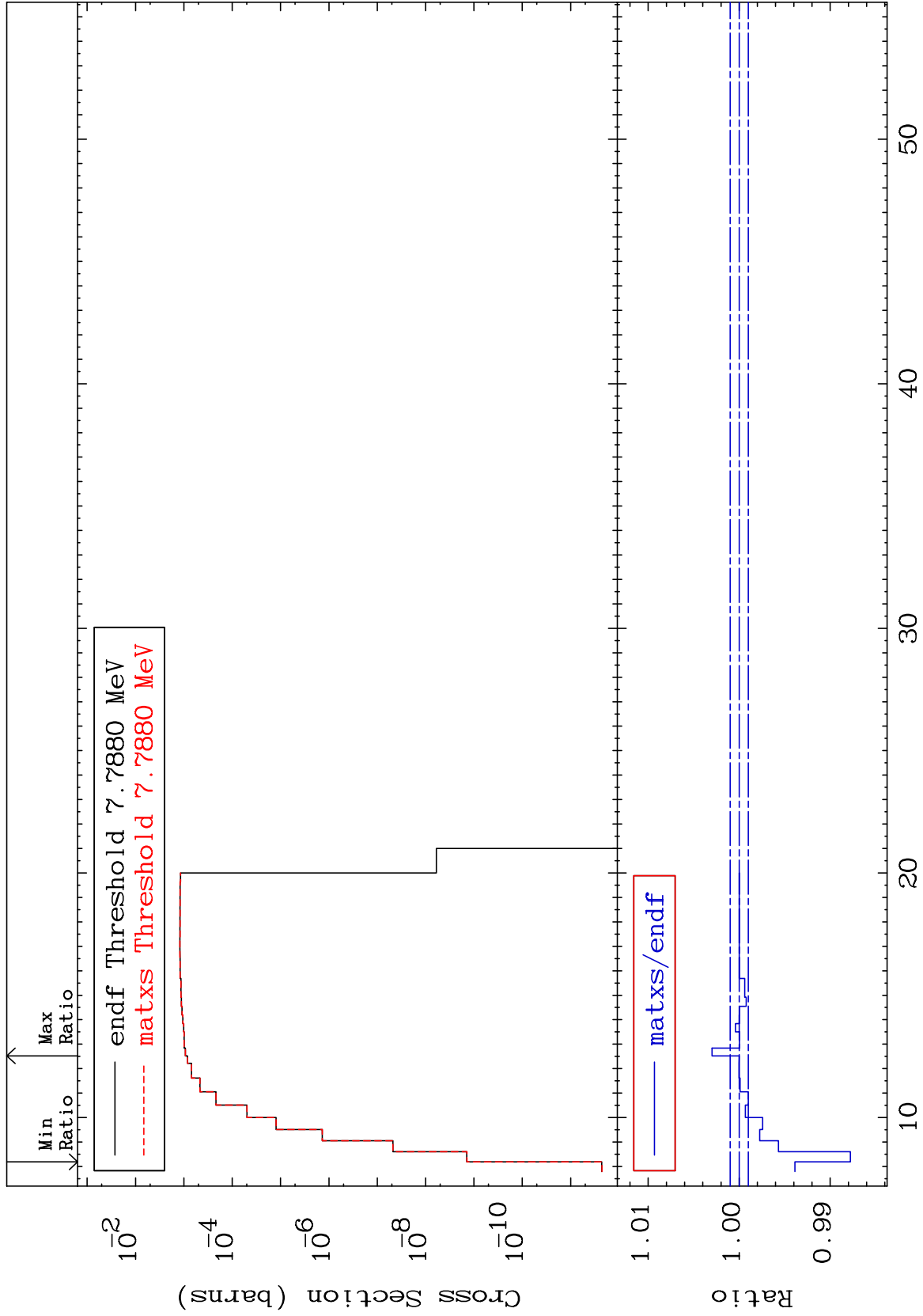




MAT 2125

3.044 MeV (n,d') Level  
Cross Section

21-Sc-45  
-1.221 To 0.300 %



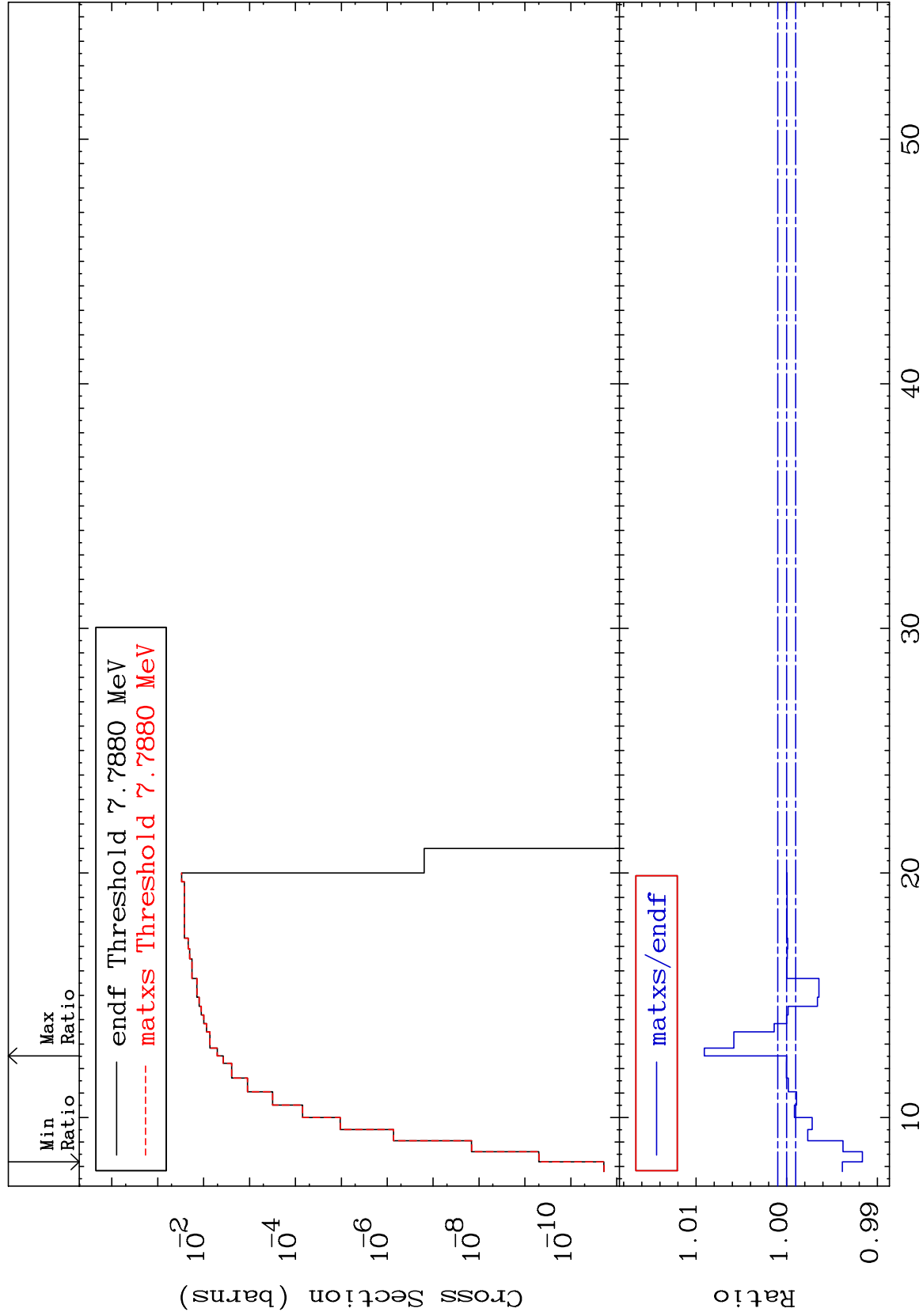
48

21-Sc-45

MAT 2125

3.044 MeV (n,d') Level  
Cross Section

21-Sc-45  
-0.835 To 0.909 %



49

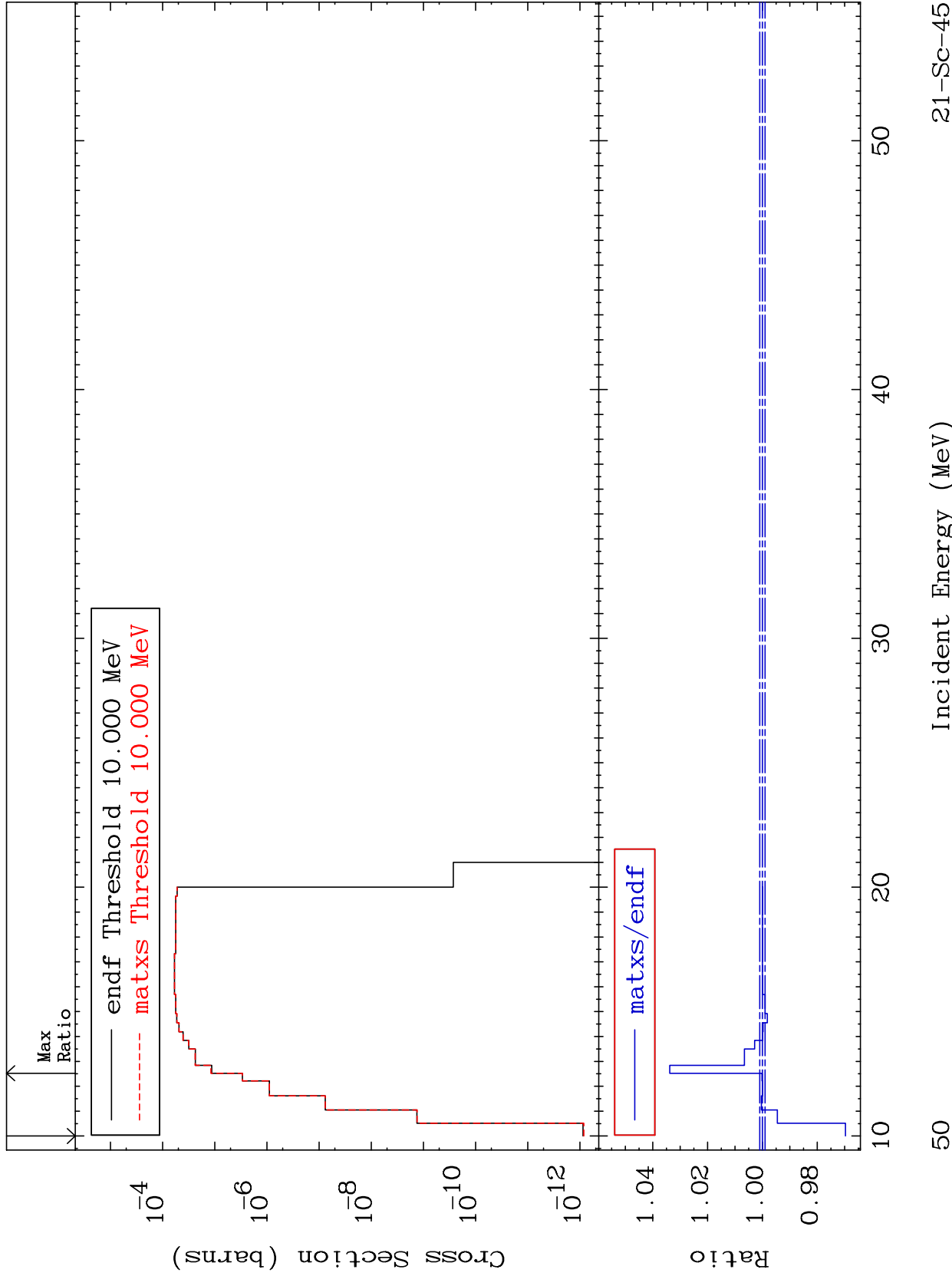
Incident Energy (MeV)

21-Sc-45

MAT 2125

(n, t') Ground  
Cross Section

21-Sc-45  
-3.031 To 3.381 %

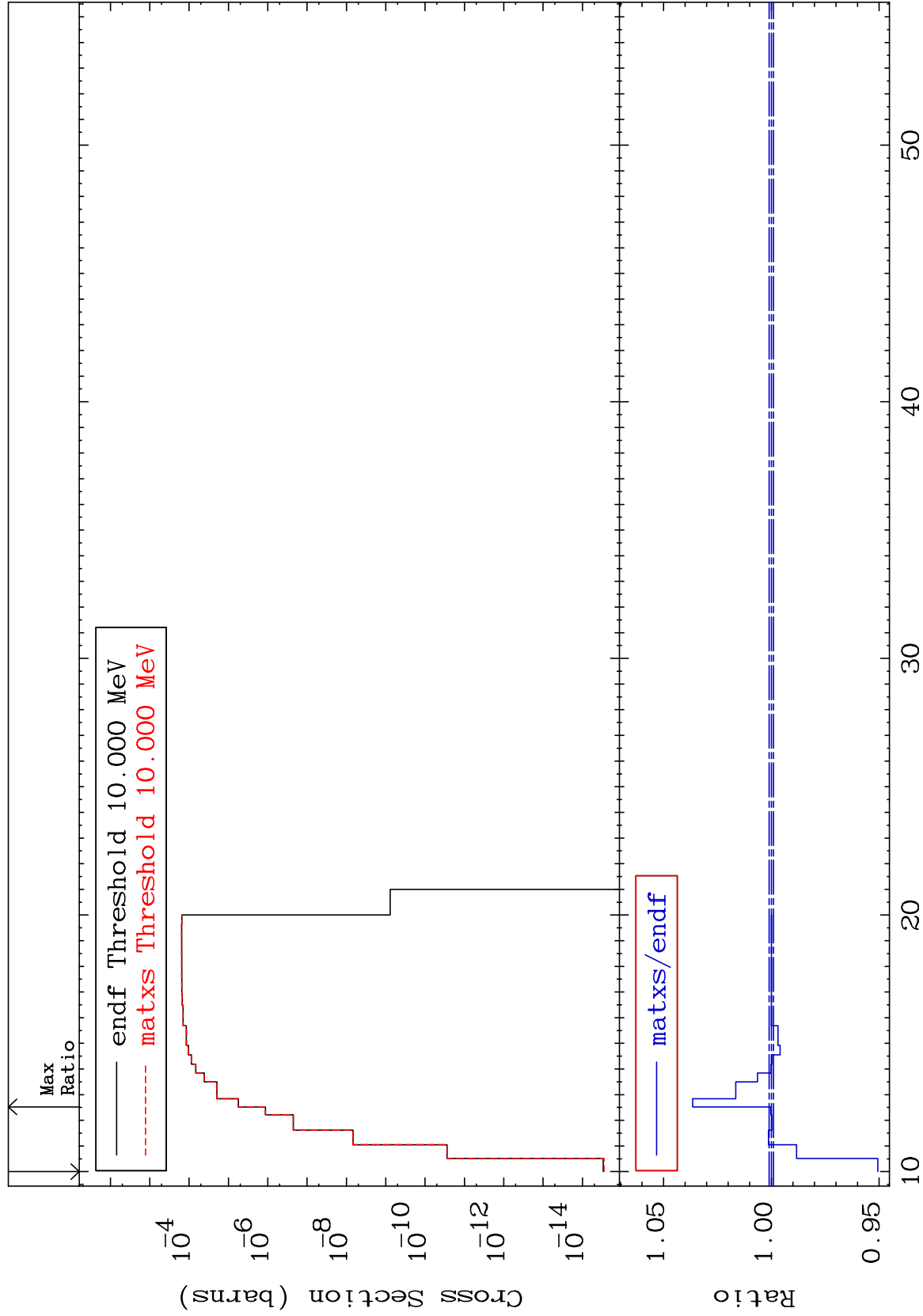


21-Sc-45

MAT 2125

372.8 keV (n,t') Level  
Cross Section

21-Sc-45  
-4.937 To 3.646 %



51

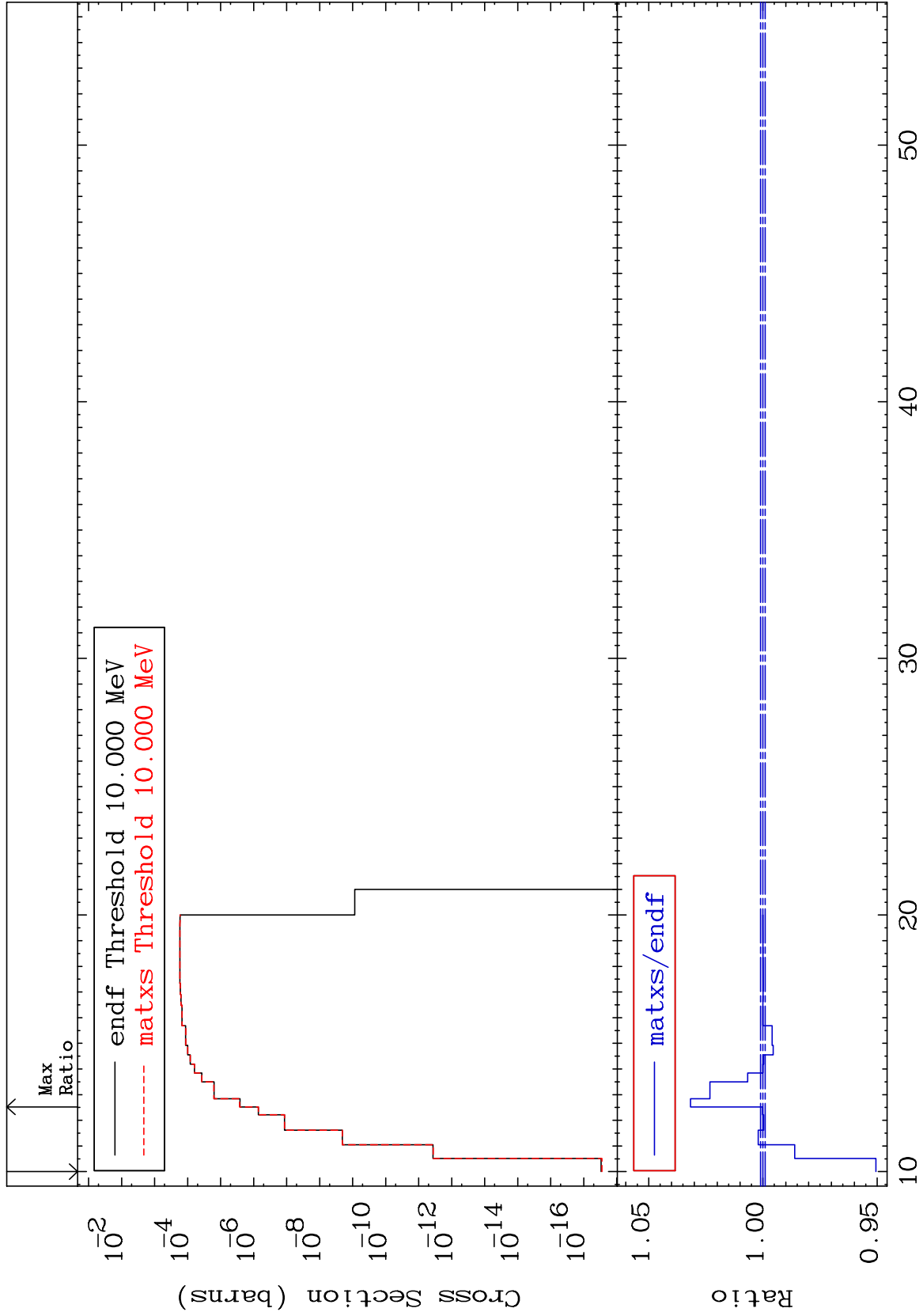
Incident Energy (MeV)

21-Sc-45

MAT 2125

593.4 keV (n,t') Level  
Cross Section

21-Sc-45  
-4.942 To 3.168 %



52

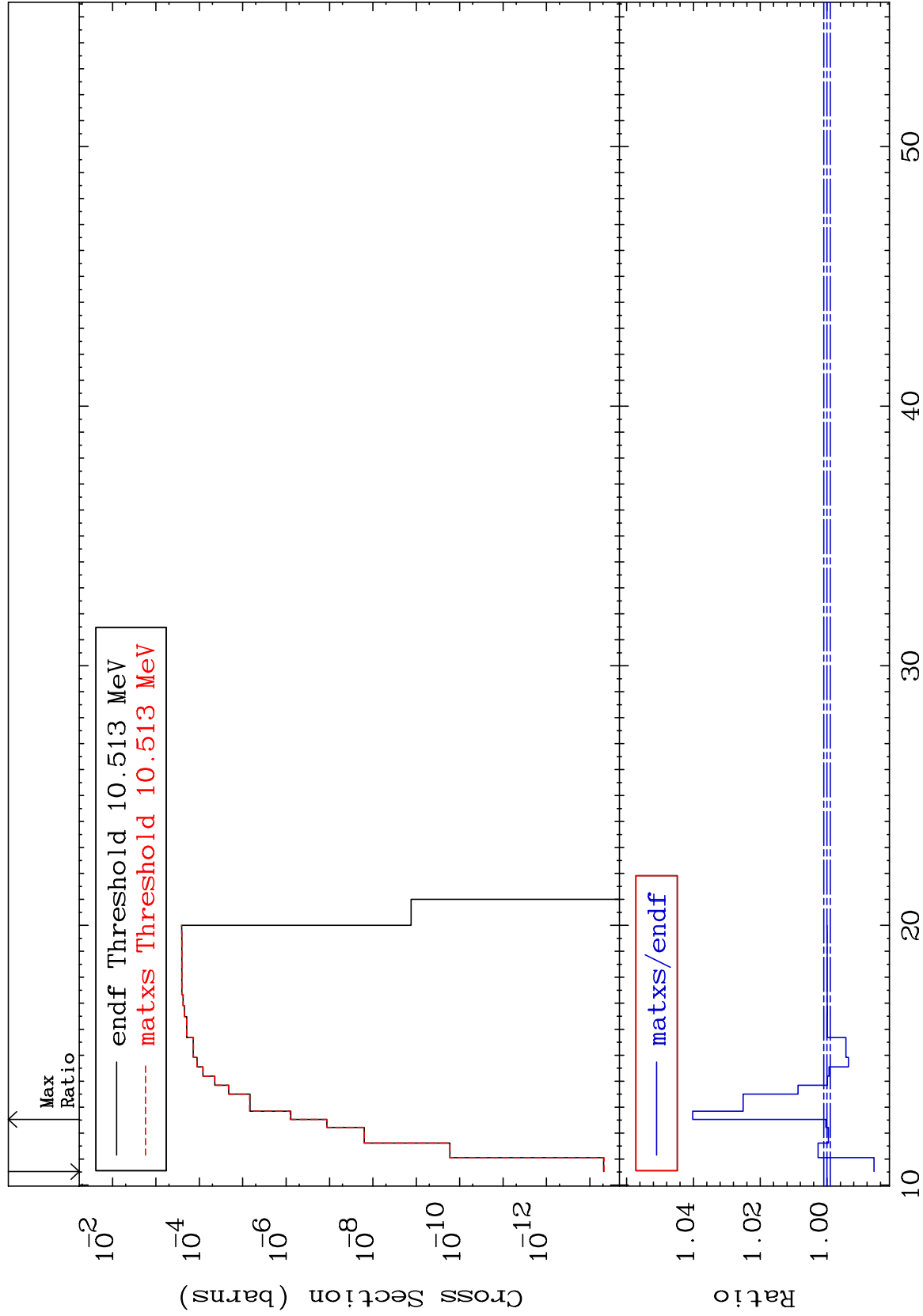
Incident Energy (MeV)

21-Sc-45

MAT 2125

990.2 keV (n,t') Level  
Cross Section

21-Sc-45  
-1.407 To 4.021 %



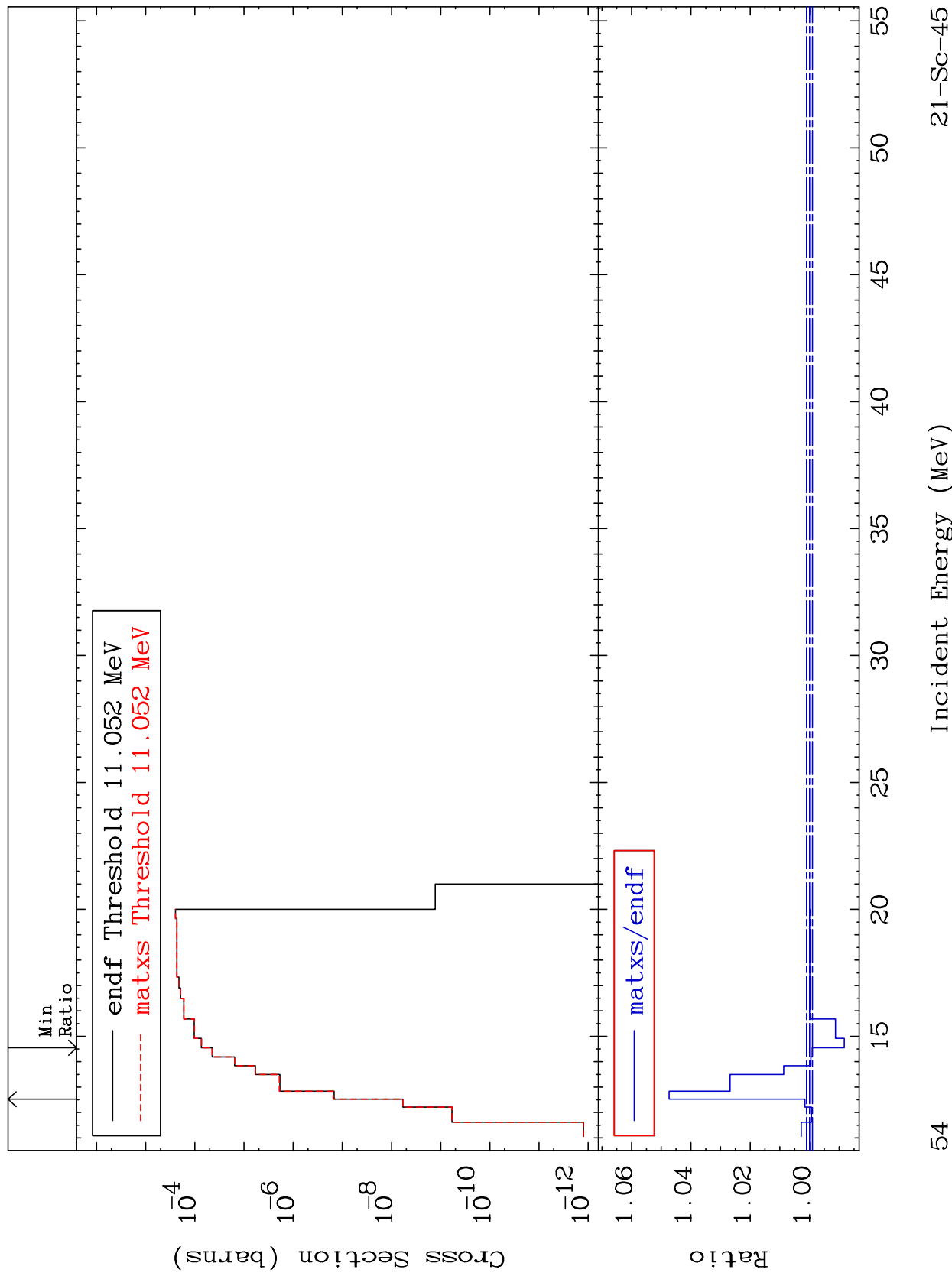
53

21-Sc-45

MAT 2125

1.394 MeV (n,t') Level  
Cross Section

21-Sc-45  
-1.172 To 4.733 %



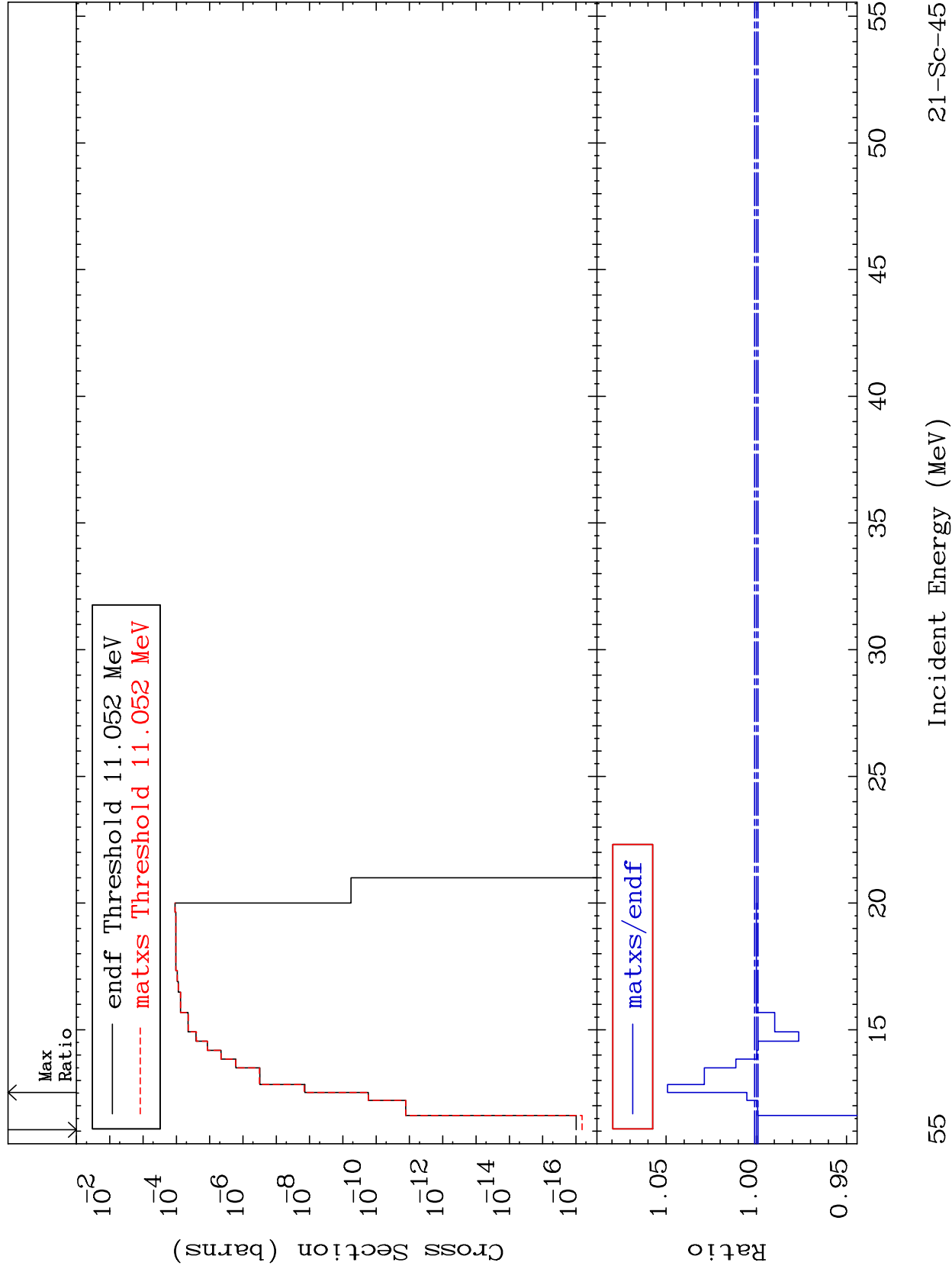
54

21-Sc-45

MAT 2125

1.678 MeV (n,t') Level  
Cross Section

21-Sc-45  
-33.36 To 4.919 %



55

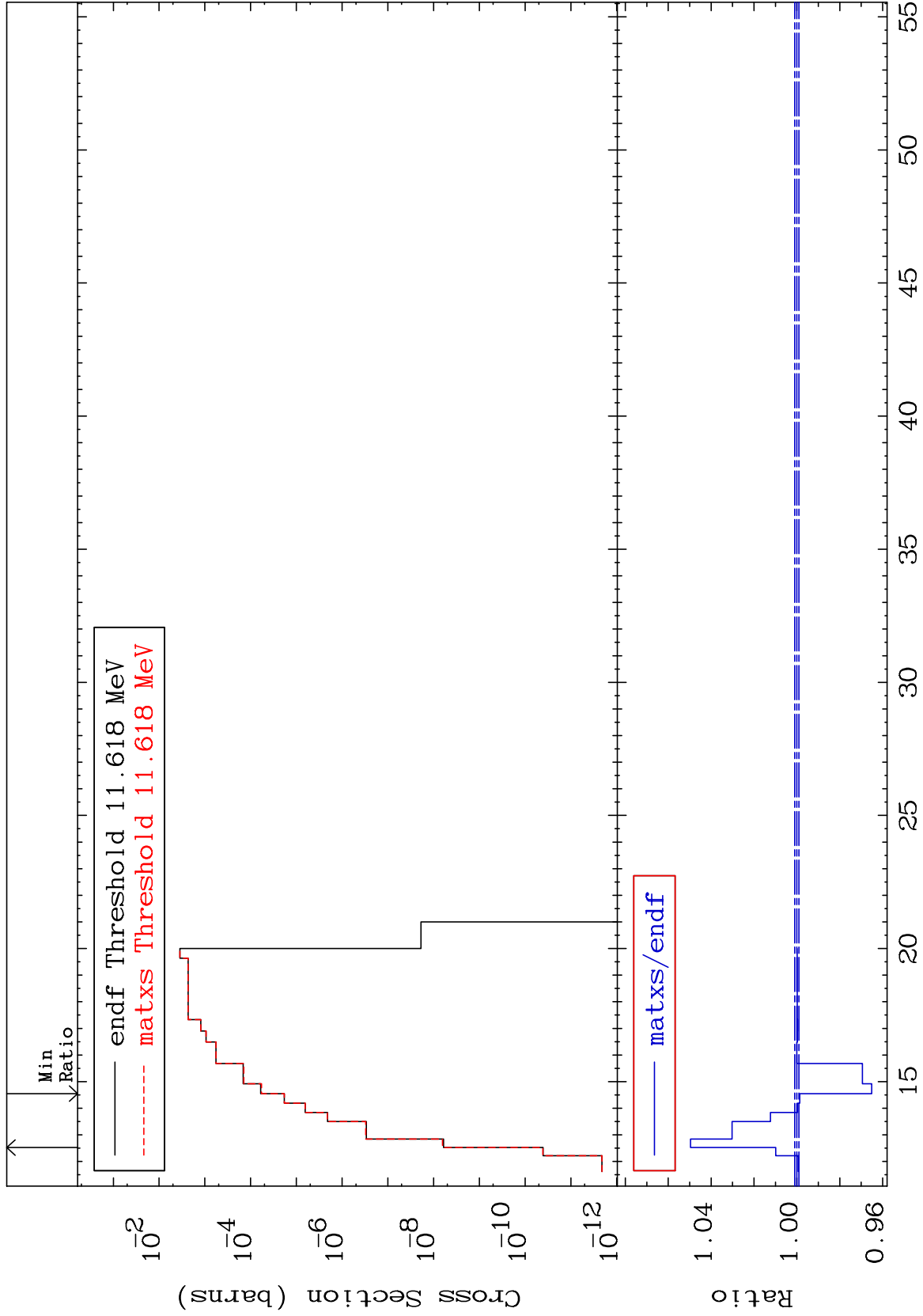
21-Sc-45



MAT 2125

1.678 MeV (n,t') Level  
Cross Section

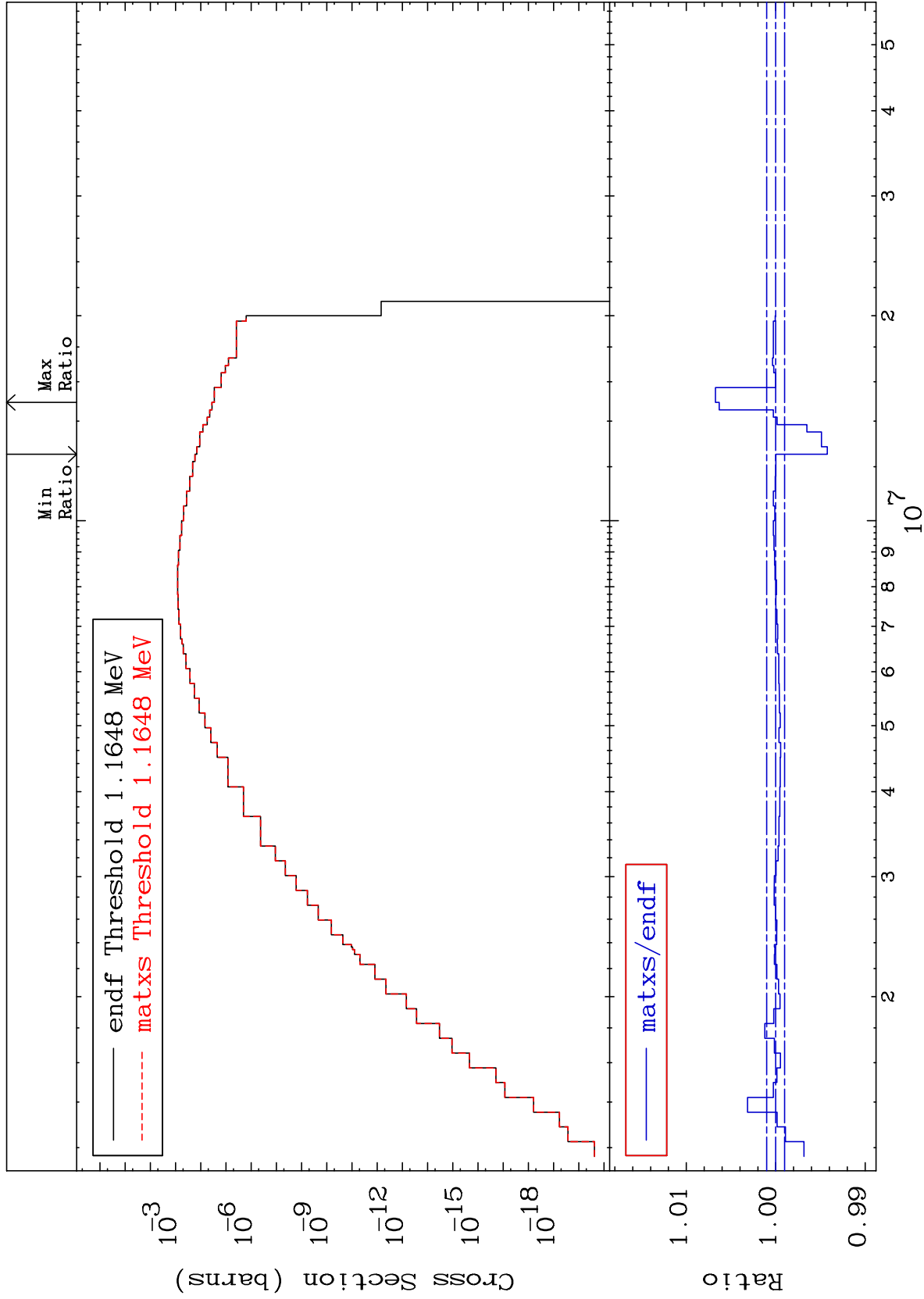
21-Sc-45  
-3.489 To 4.958 %



MAT 2125

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

21-Sc-45  
-0.576 To 0.673 %



57

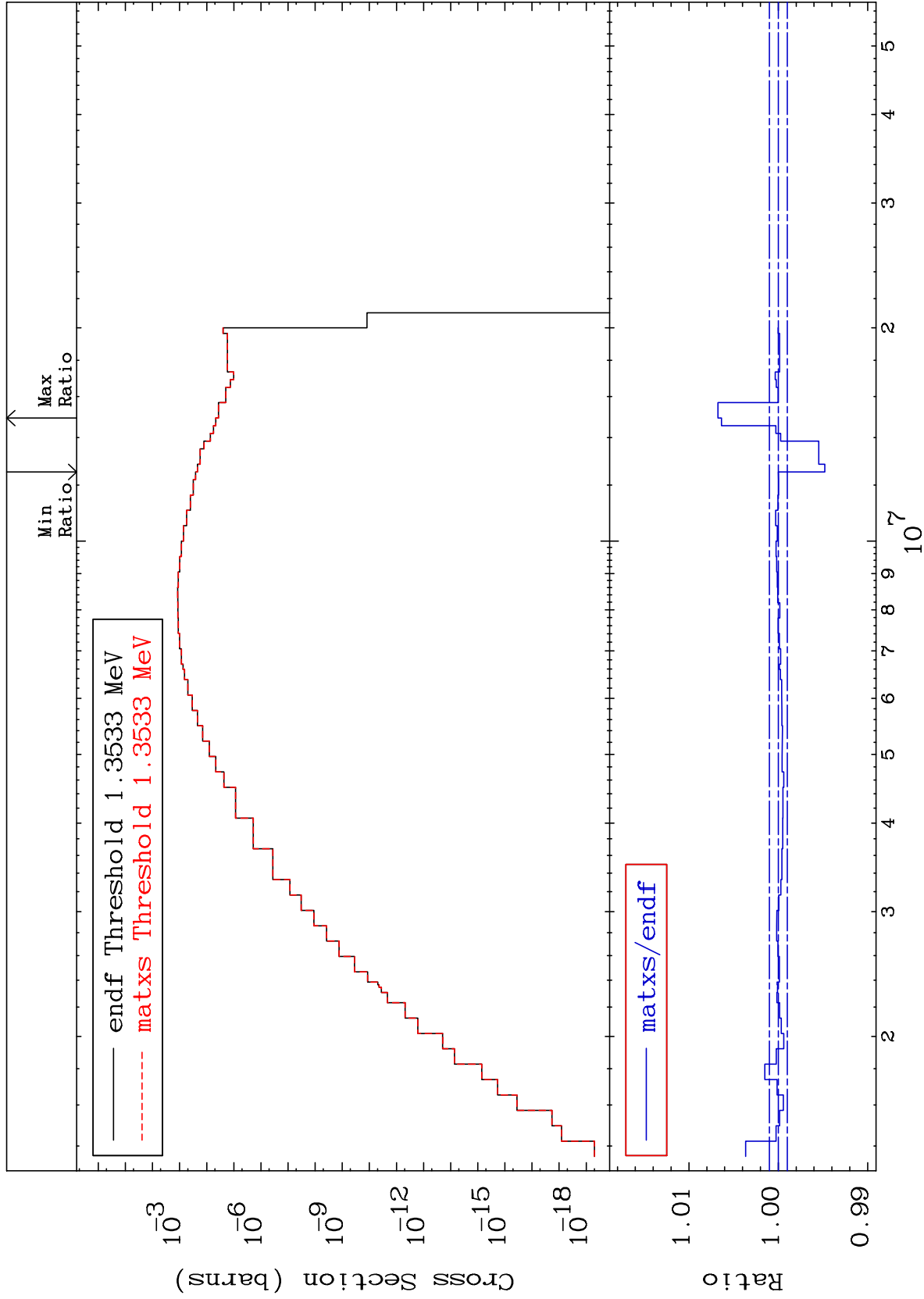
Incident Energy (eV)

21-Sc-45

MAT 2125

106.8 keV (n,α') Level  
Cross Section

21-Sc-45  
-0.520 To 0.675 %



58

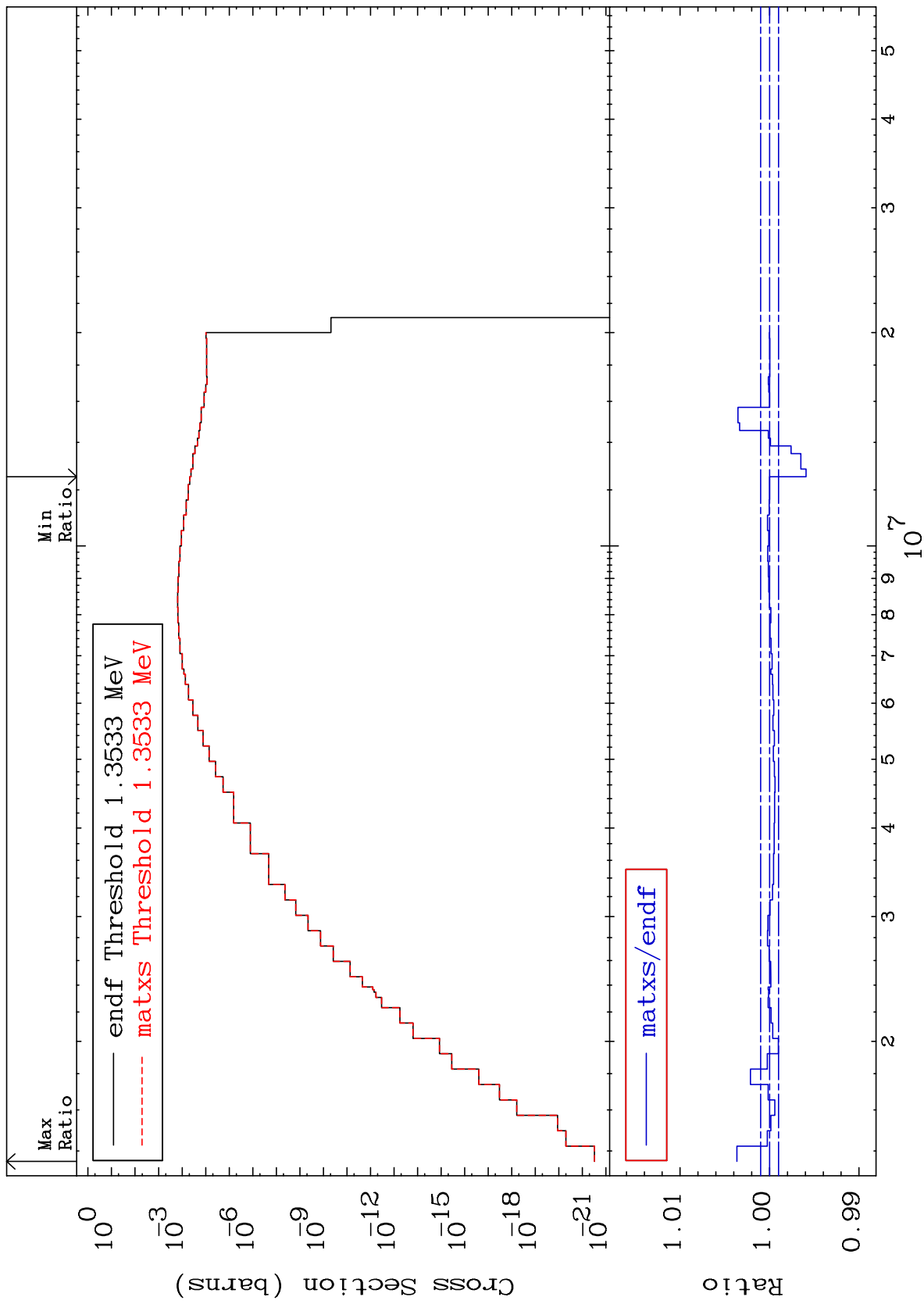
Incident Energy (eV)

21-Sc-45

MAT 2125

258.3 keV (n,  $\alpha'$ ) Level  
Cross Section

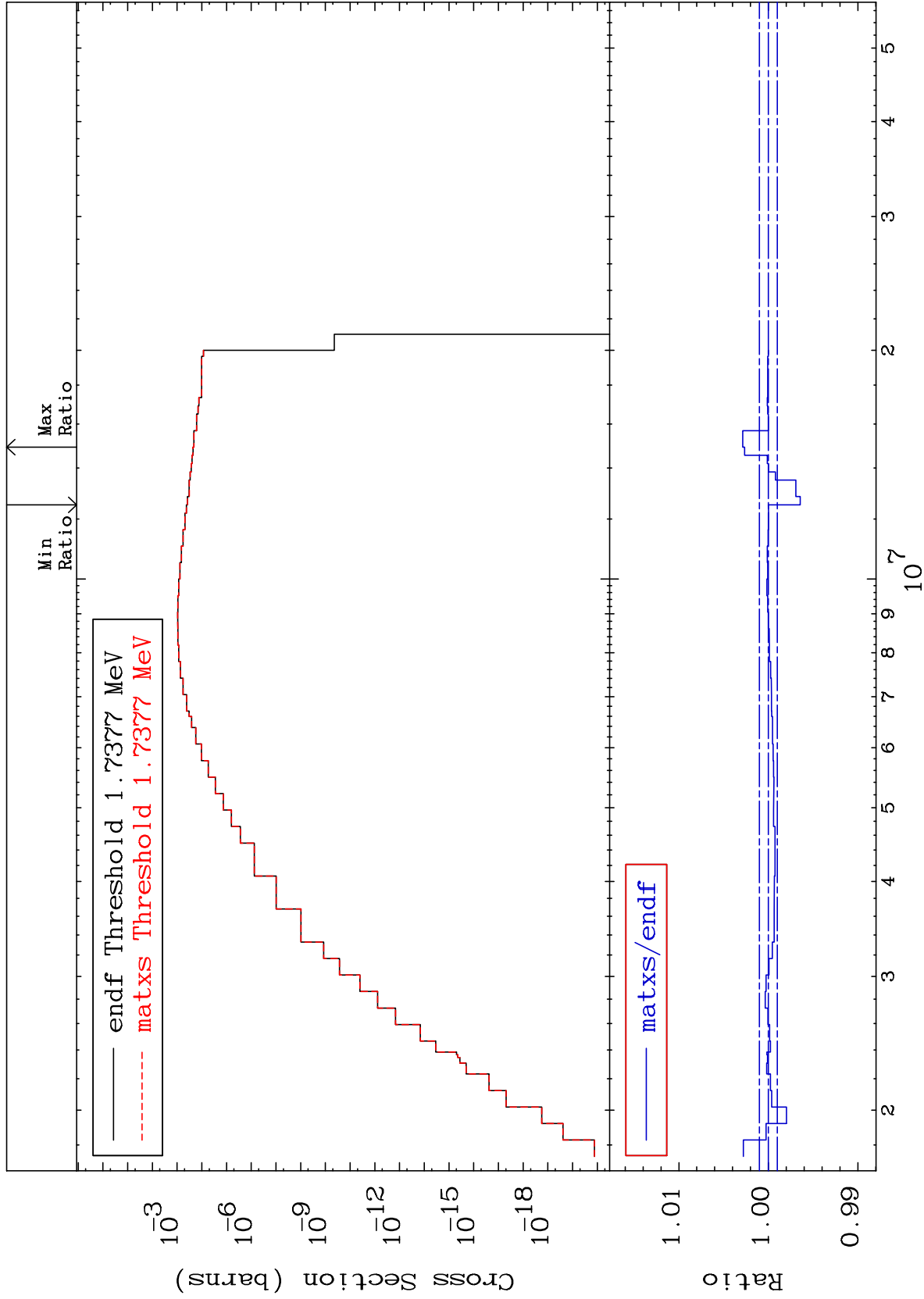
21-Sc-45  
-0.407 To 0.366 %



MAT 2125

638.7 keV (n,  $\alpha'$ ) Level  
Cross Section

21-Sc-45  
-0.355 To 0.287 %



60

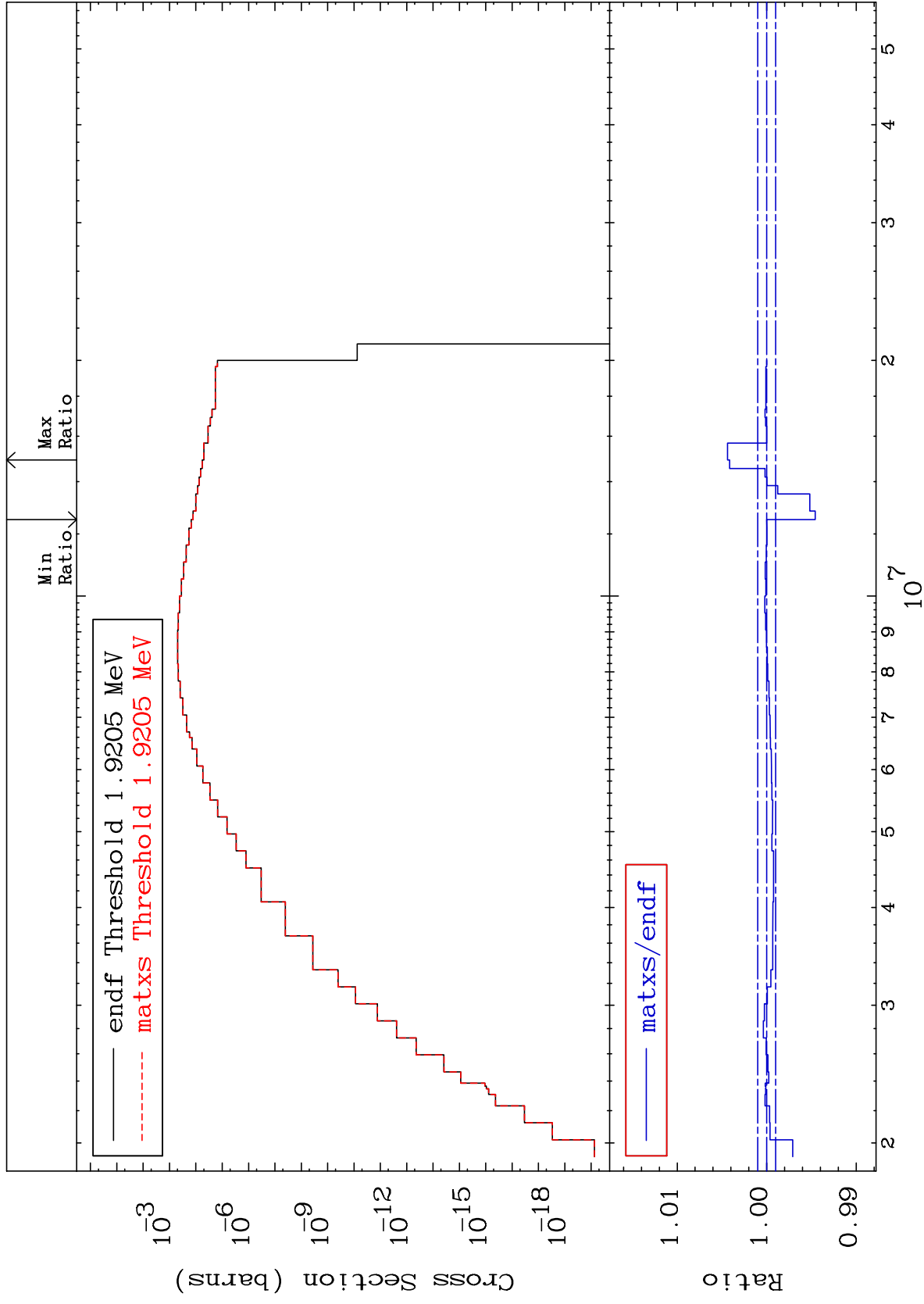
Incident Energy (eV)

21-Sc-45

MAT 2125

681.9 keV (n,  $\alpha'$ ) Level  
Cross Section

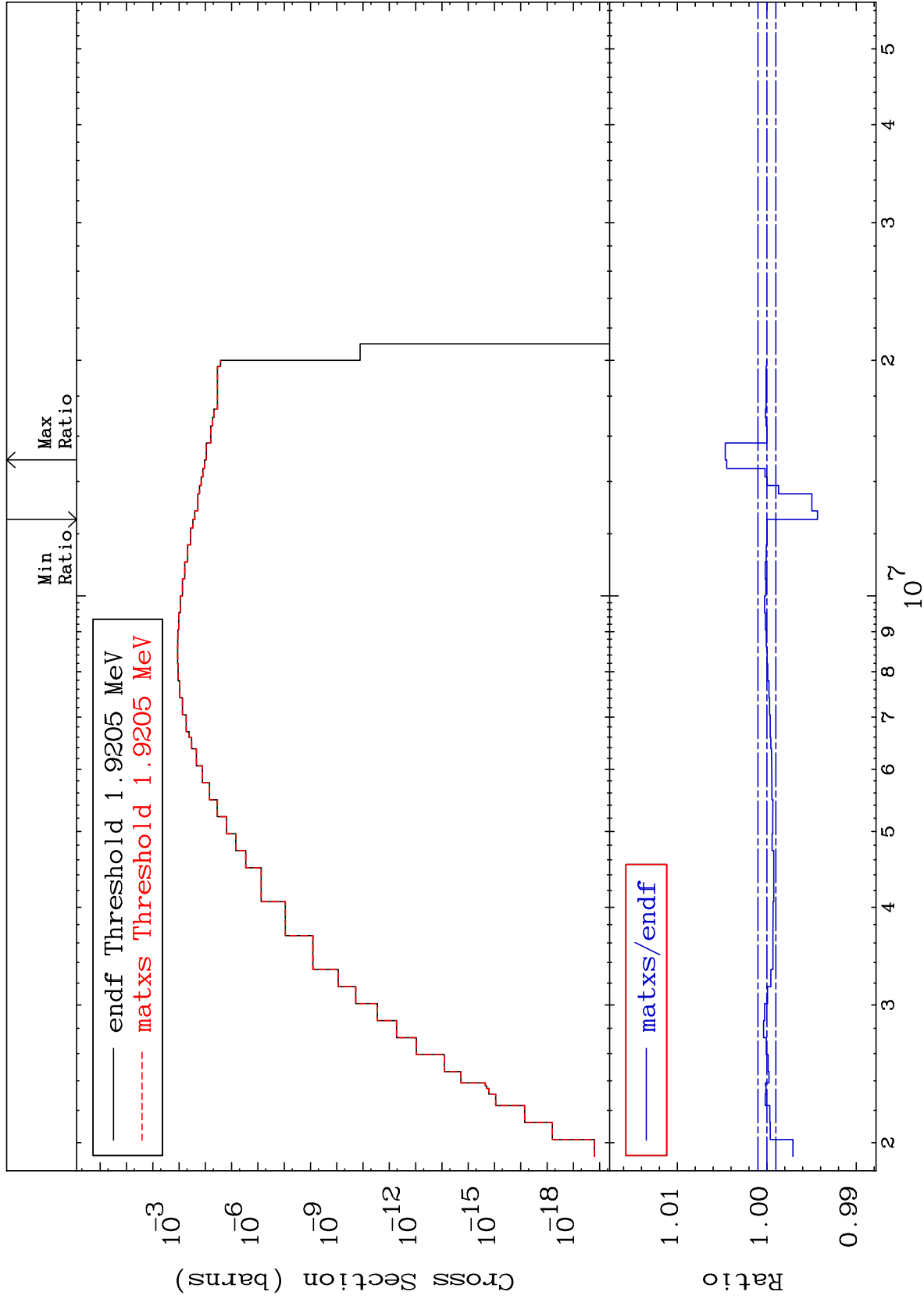
21-Sc-45  
-0.541 To 0.437 %



MAT 2125

699.1 keV (n,  $\alpha'$ ) Level  
Cross Section

21-Sc-45  
-0.567 To 0.465 %



62

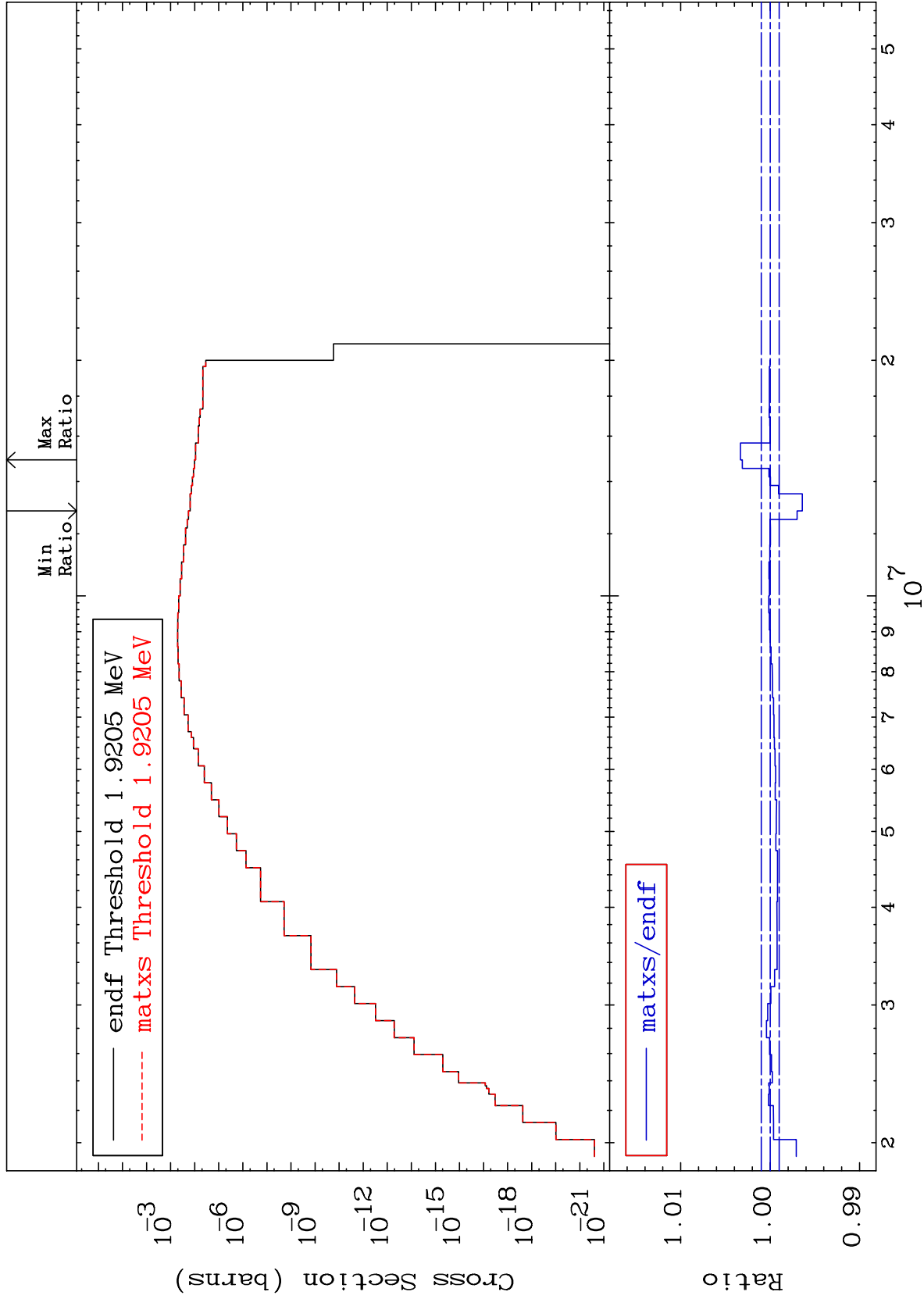
Incident Energy (eV)

21-Sc-45

MAT 2125

783.9 keV (n,  $\alpha'$ ) Level  
Cross Section

21-Sc-45  
-0.358 To 0.331 %

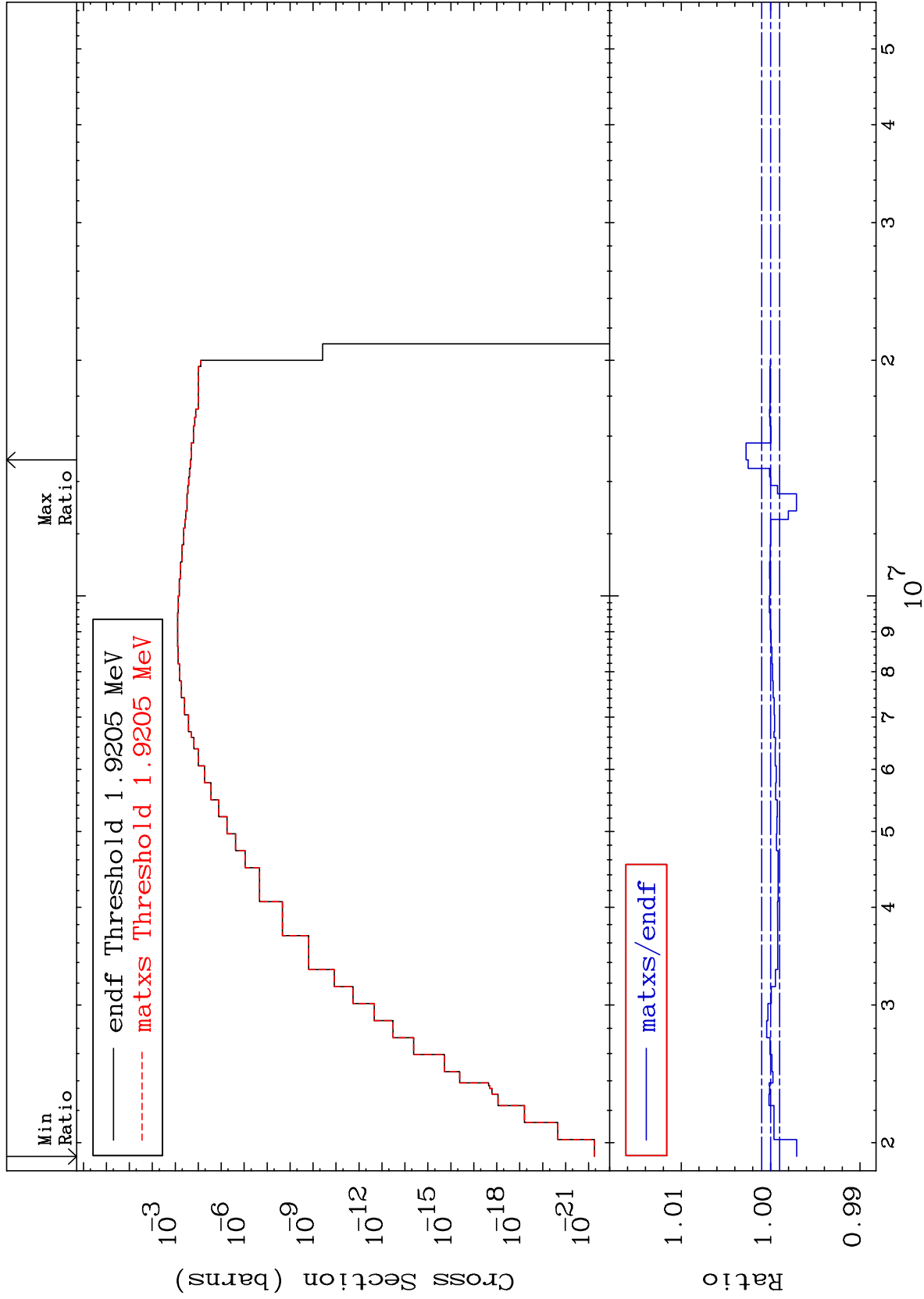




MAT 2125

841.9 keV (n,  $\alpha'$ ) Level  
Cross Section

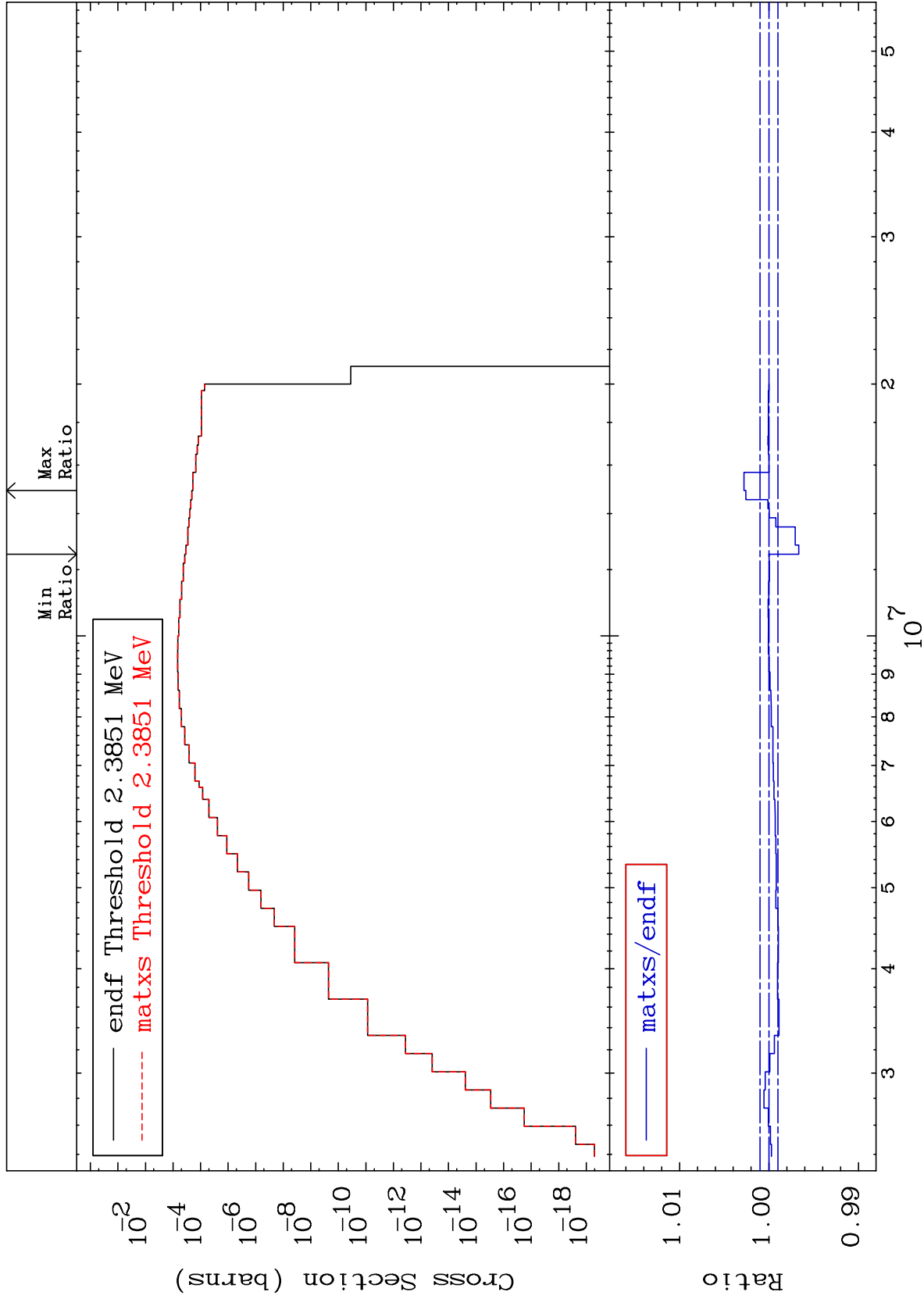
21-Sc-45  
-0.291 To 0.274 %



MAT 2125

1.111 MeV (n,  $\alpha'$ ) Level  
Cross Section

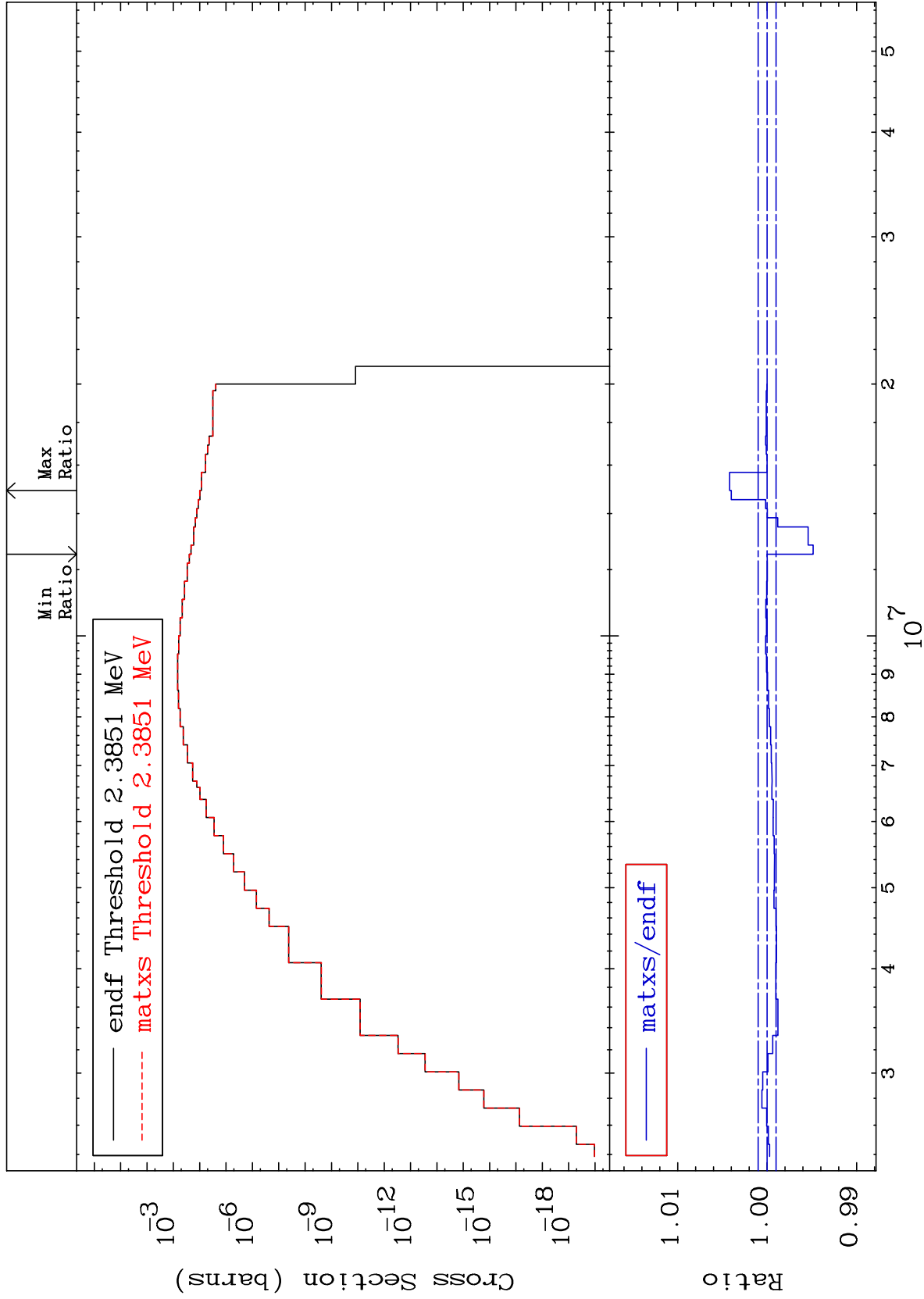
21-Sc-45  
-0.334 To 0.280 %



MAT 2125

1.144 MeV (n,α') Level  
Cross Section

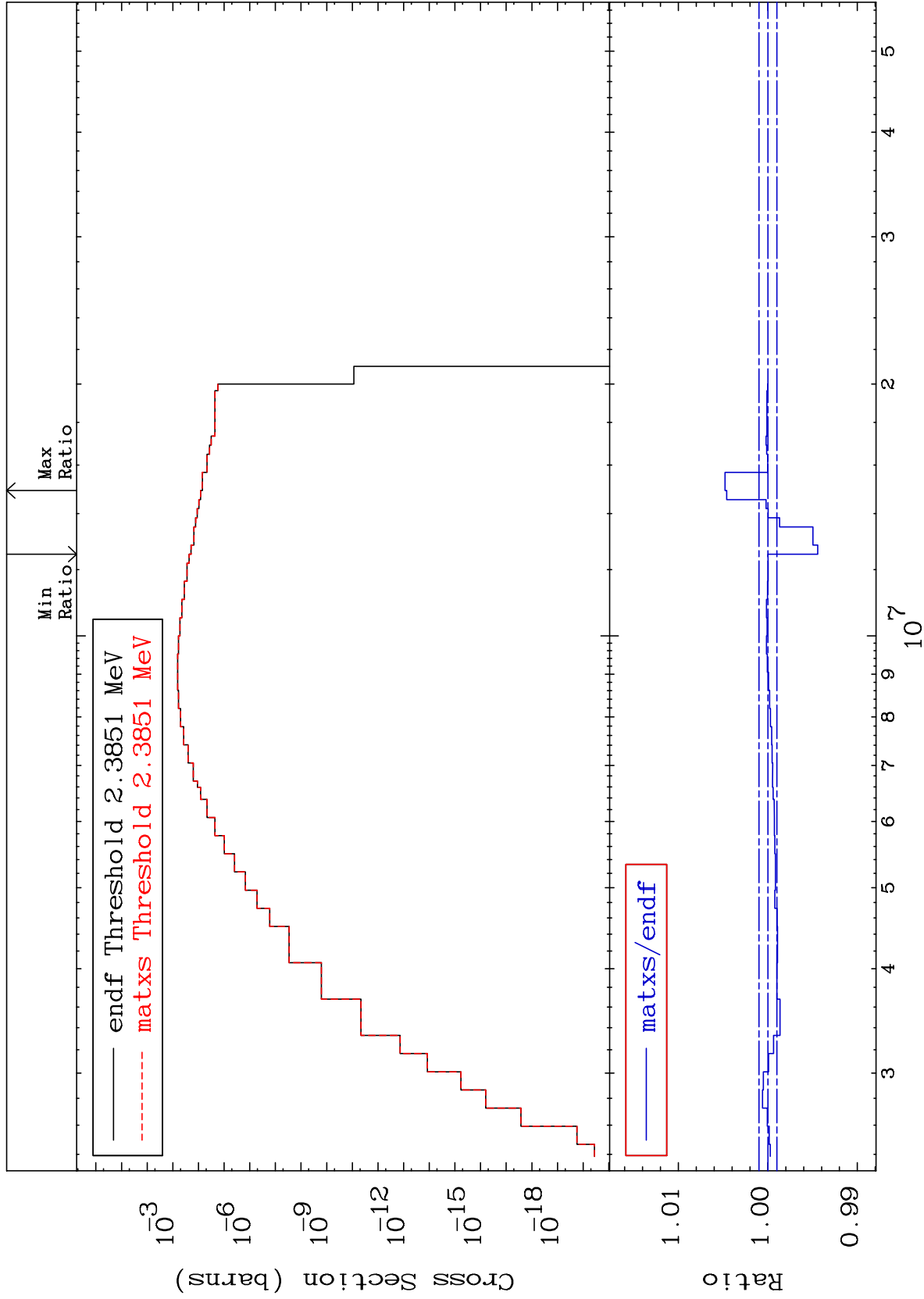
21-Sc-45  
-0.514 To 0.420 %



MAT 2125

1.198 MeV (n,  $\alpha'$ ) Level  
Cross Section

21-Sc-45  
-0.558 To 0.480 %



67

Incident Energy (eV)

21-Sc-45

MAT 2125

1.198 MeV (n,  $\alpha'$ ) Level  
Cross Section

21-Sc-45  
-0.145 To 0.167 %

