

Program Complot
(Version 2015-2)

by

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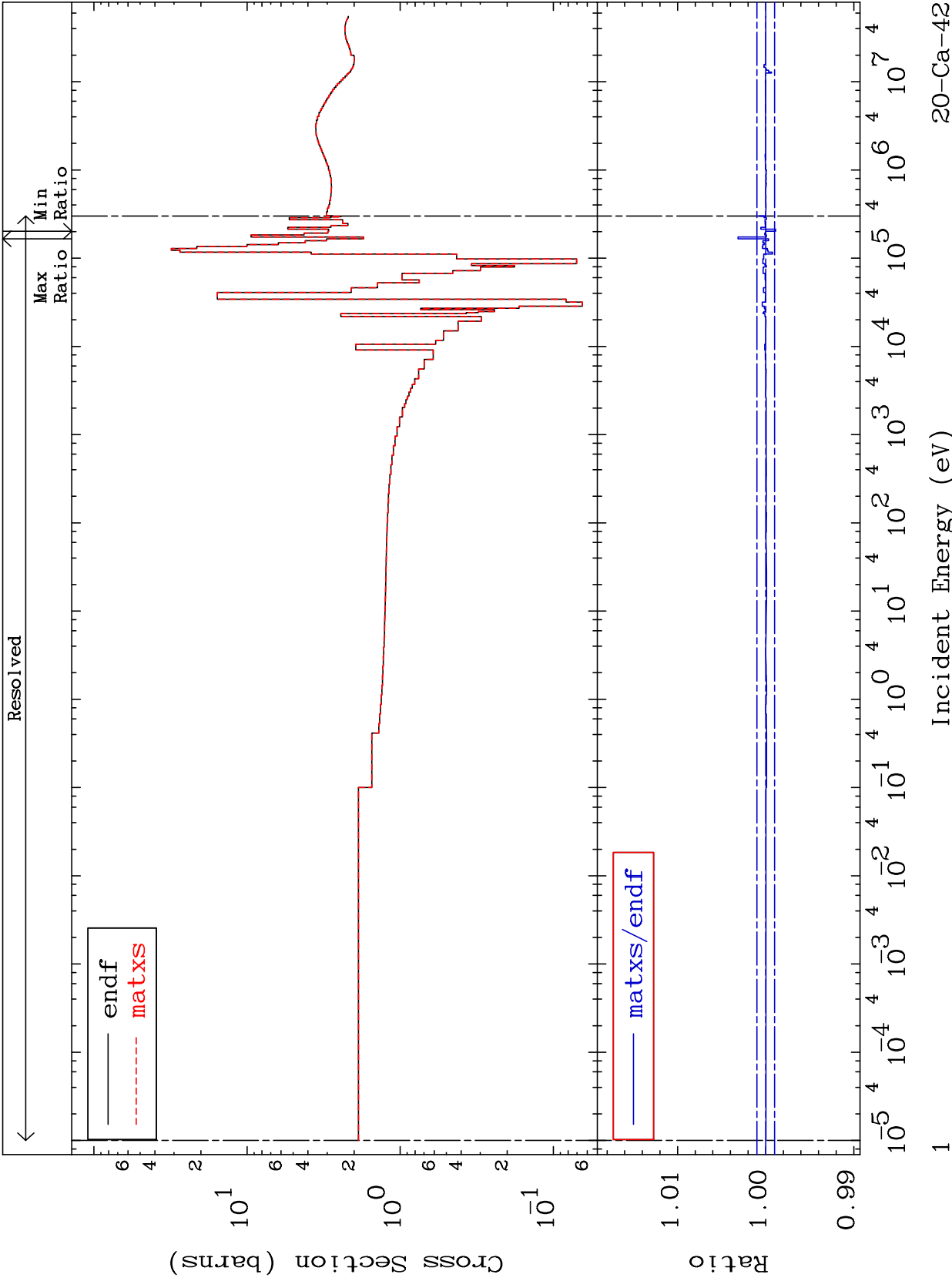
E.Mail: redcullen1@comcast.net
Web: home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 2031

Total
Cross Section

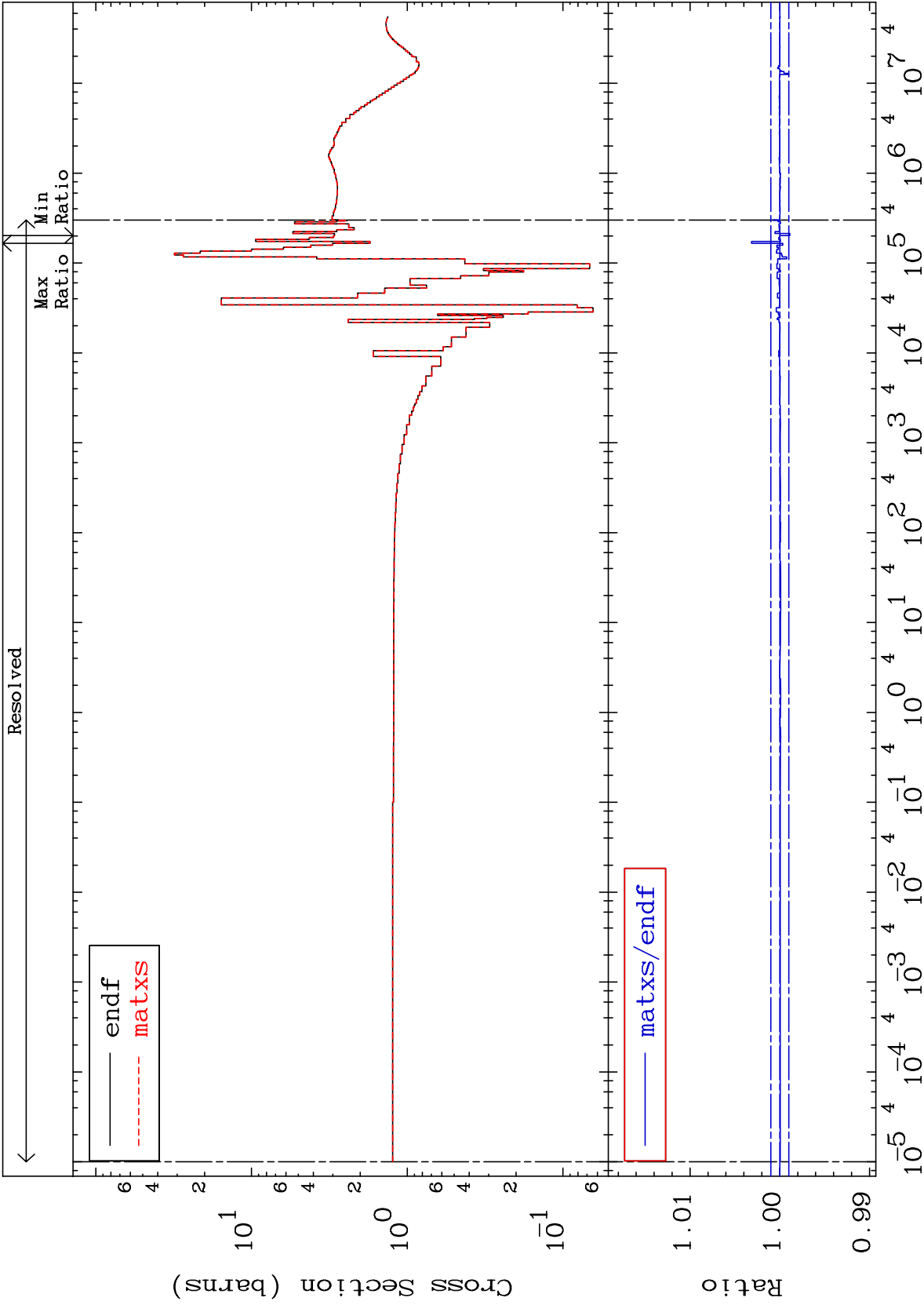
20-Ca-42
-0.112 To 0.313 %



MAT 2031

Elastic
Cross Section

20-Ca-42
-0.112 To 0.314 %



2

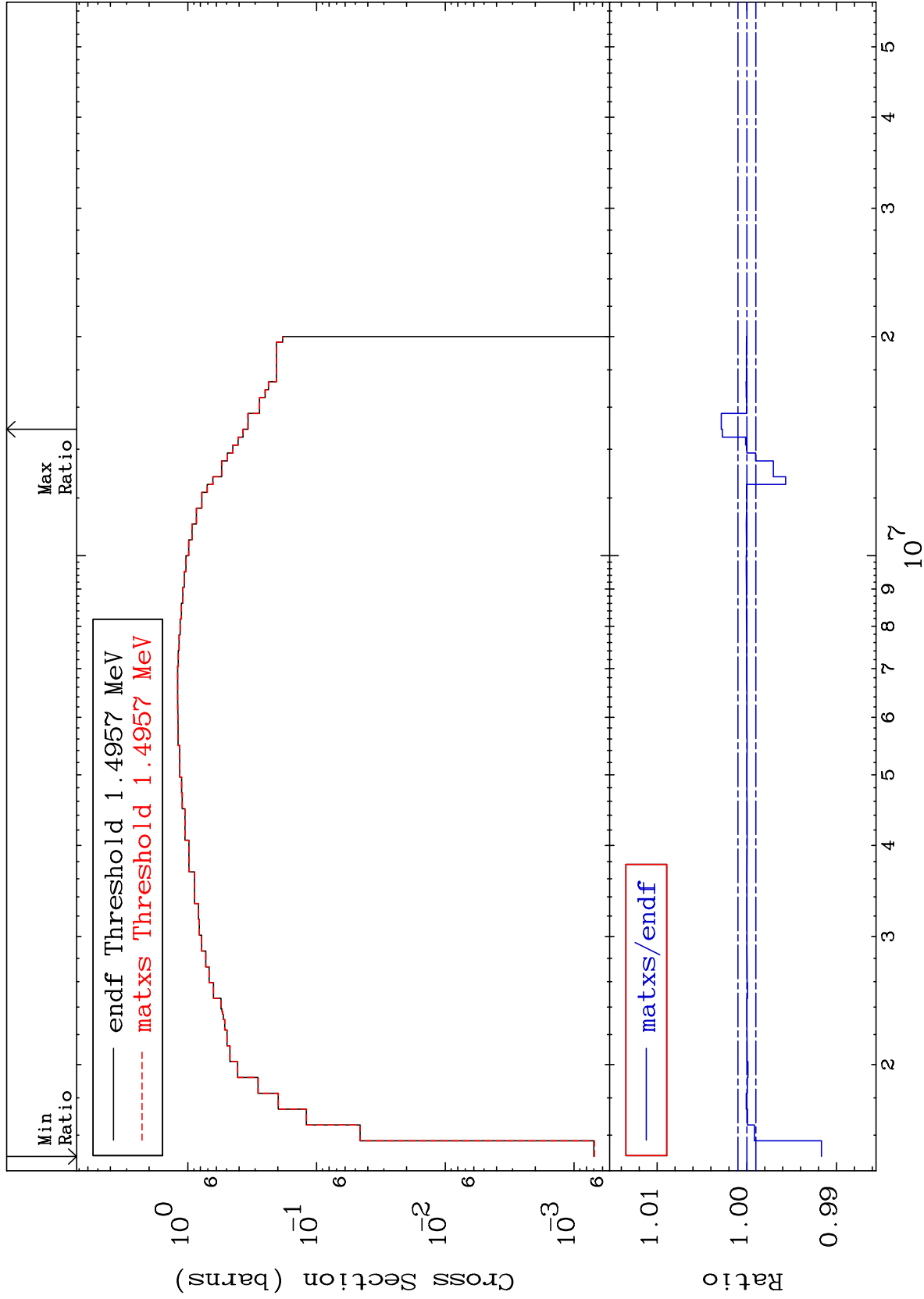
Incident Energy (eV)

20-Ca-42

MAT 2031

Inelastic
Cross Section

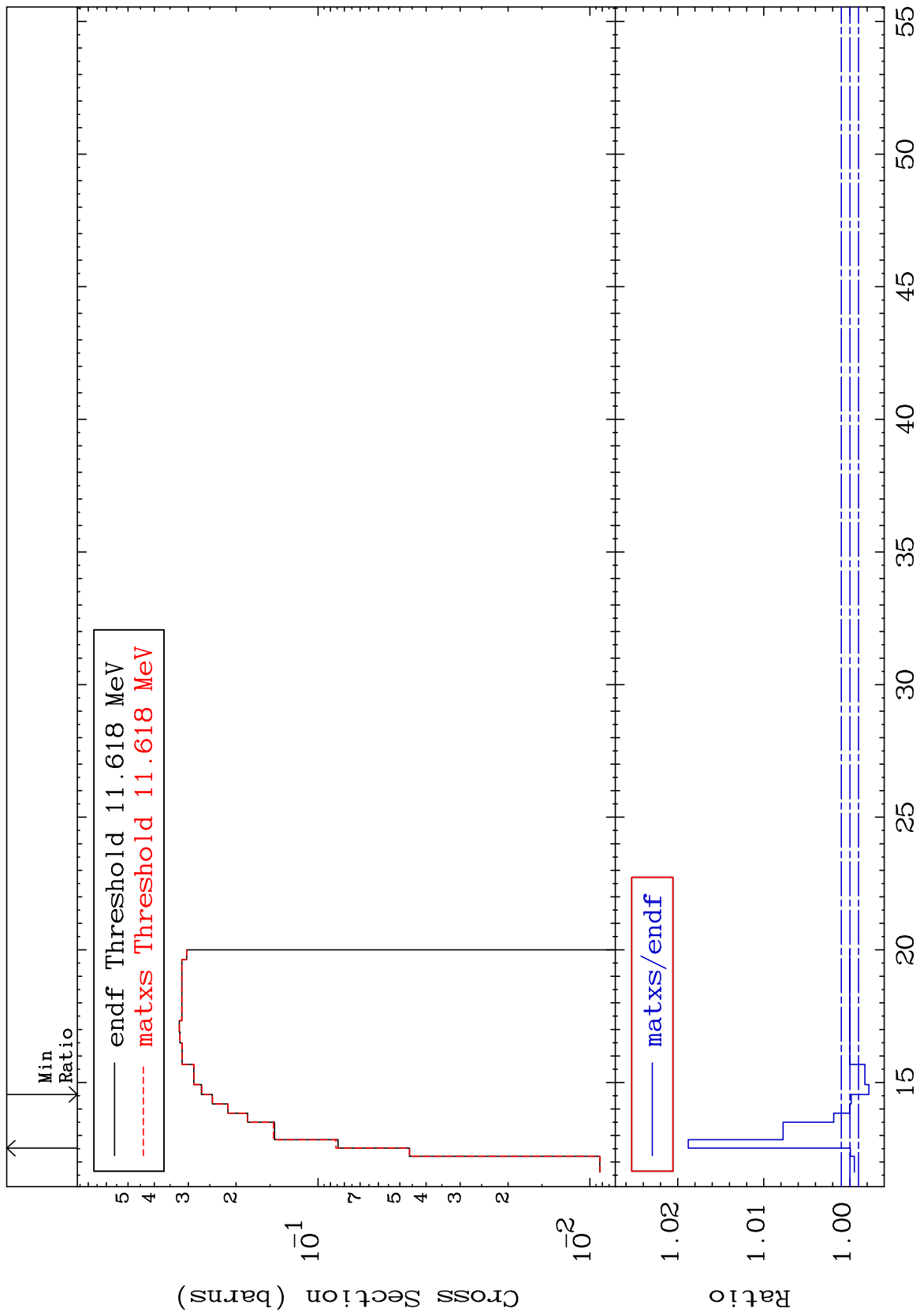
20-Ca-42
-0.832 To 0.285 %



MAT 2031

(n,2n)
Cross Section

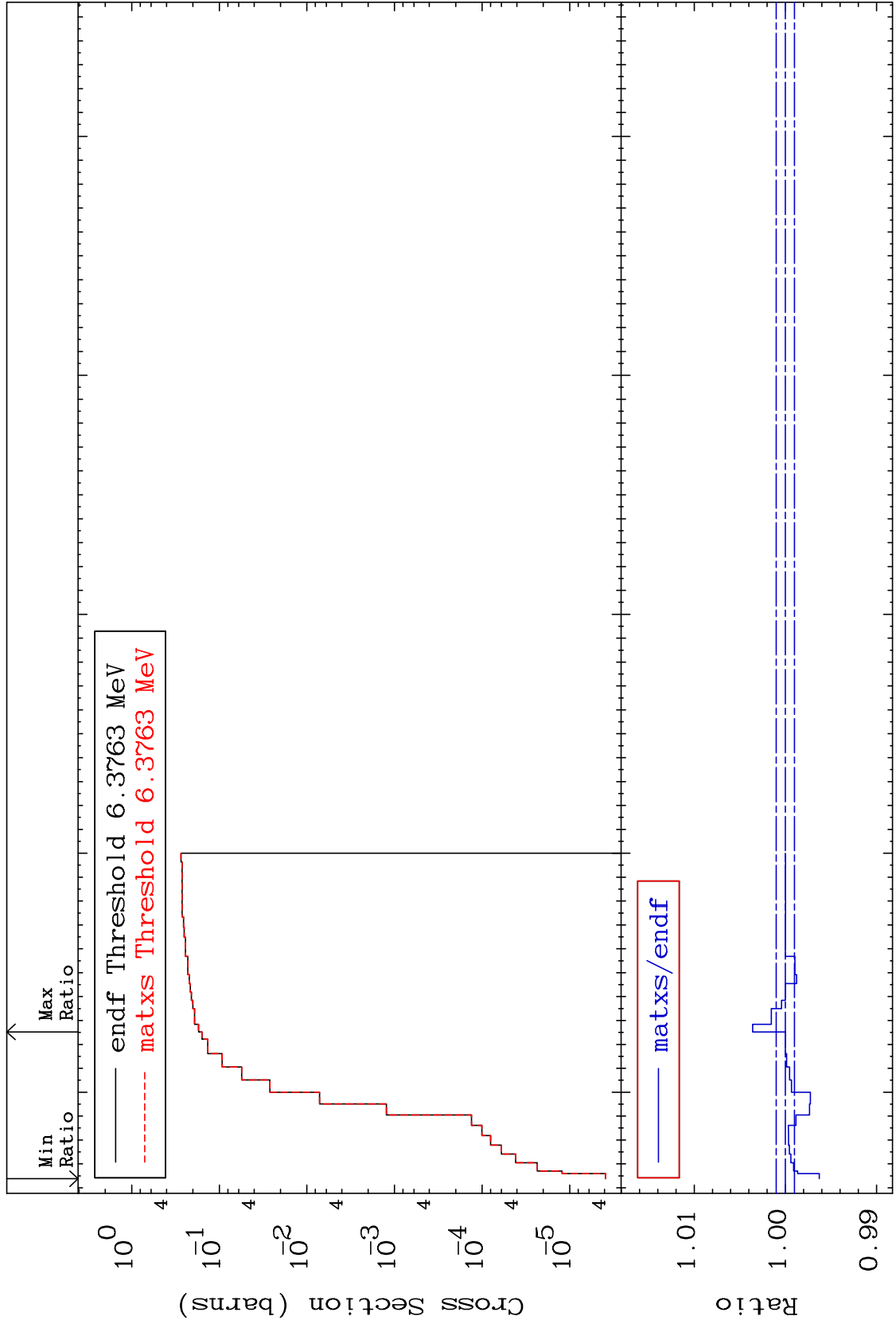
20-Ca-42
-0.220 To 1.877 %



MAT 2031

(n, n') α
Cross Section

20-Ca-42
-0.371 To 0.360 %



5

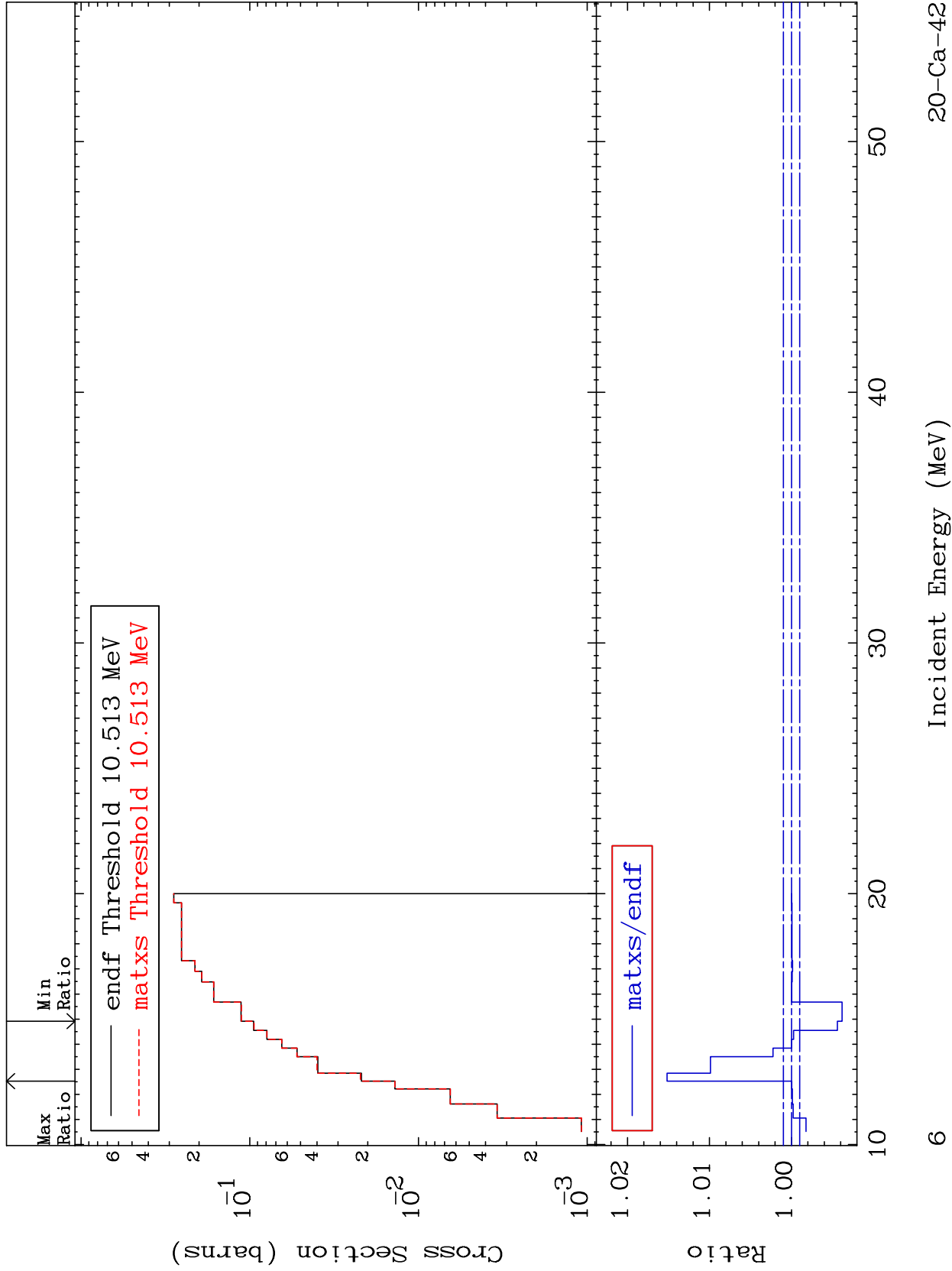
Incident Energy (MeV)

20-Ca-42

MAT 2031

(n, n') p
Cross Section

20-Ca-42
-0.616 To 1.516 %



6

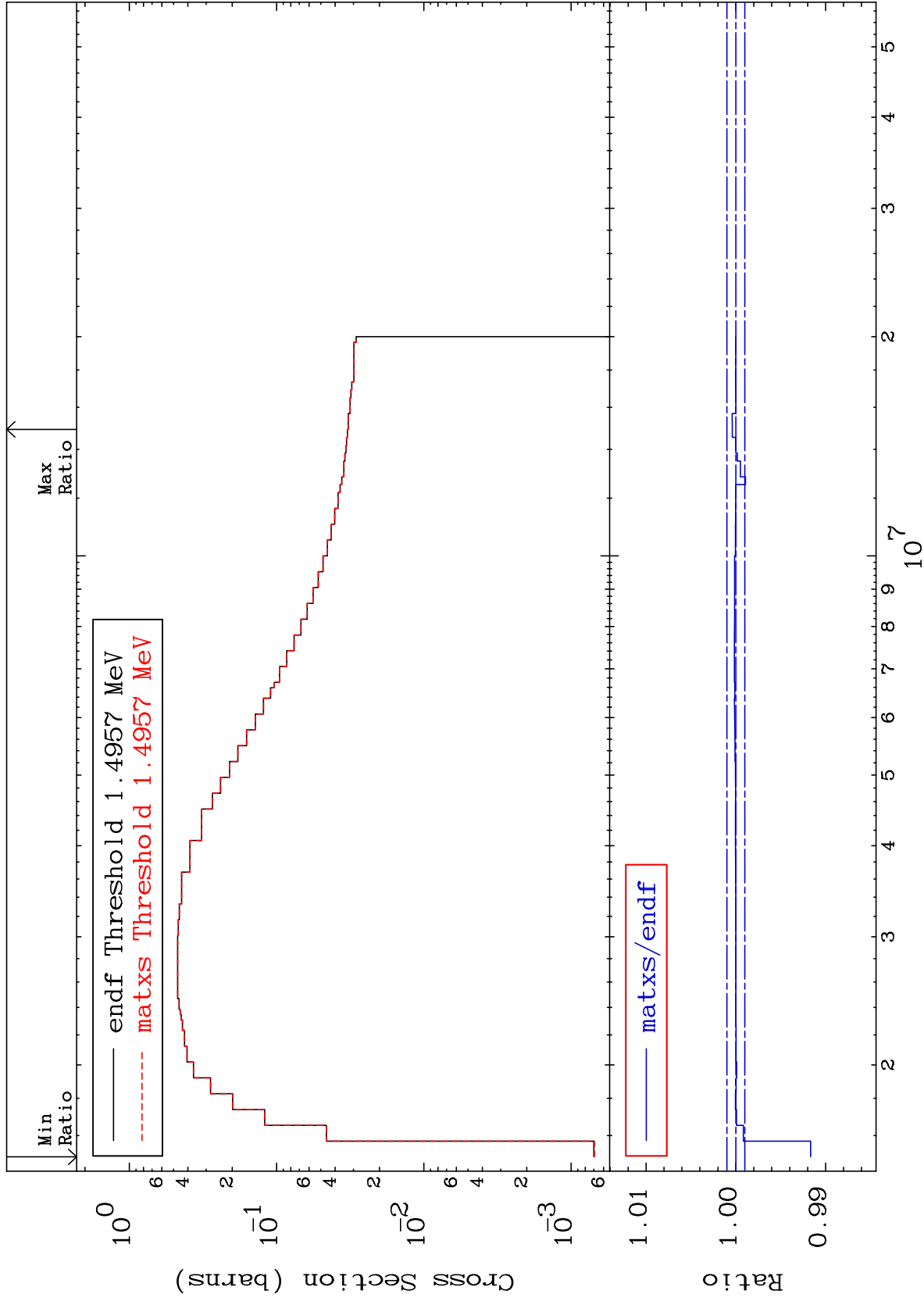
Incident Energy (MeV)

20-Ca-42

MAT 2031

1.525 MeV (n,n') Level
Cross Section

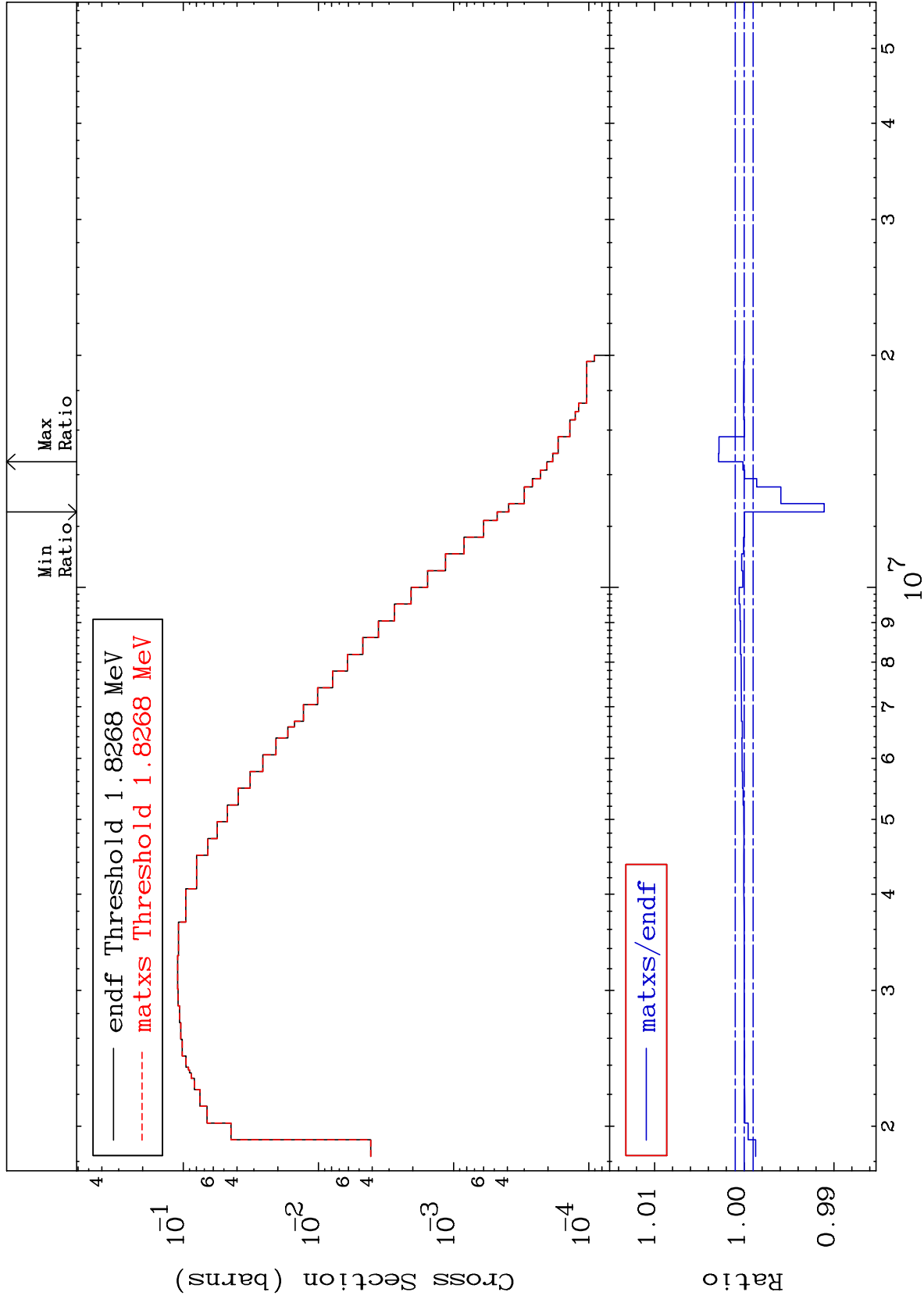
20-Ca-42
-0.832 To 0.040 %



MAT 2031

1.837 MeV (n,n') Level
Cross Section

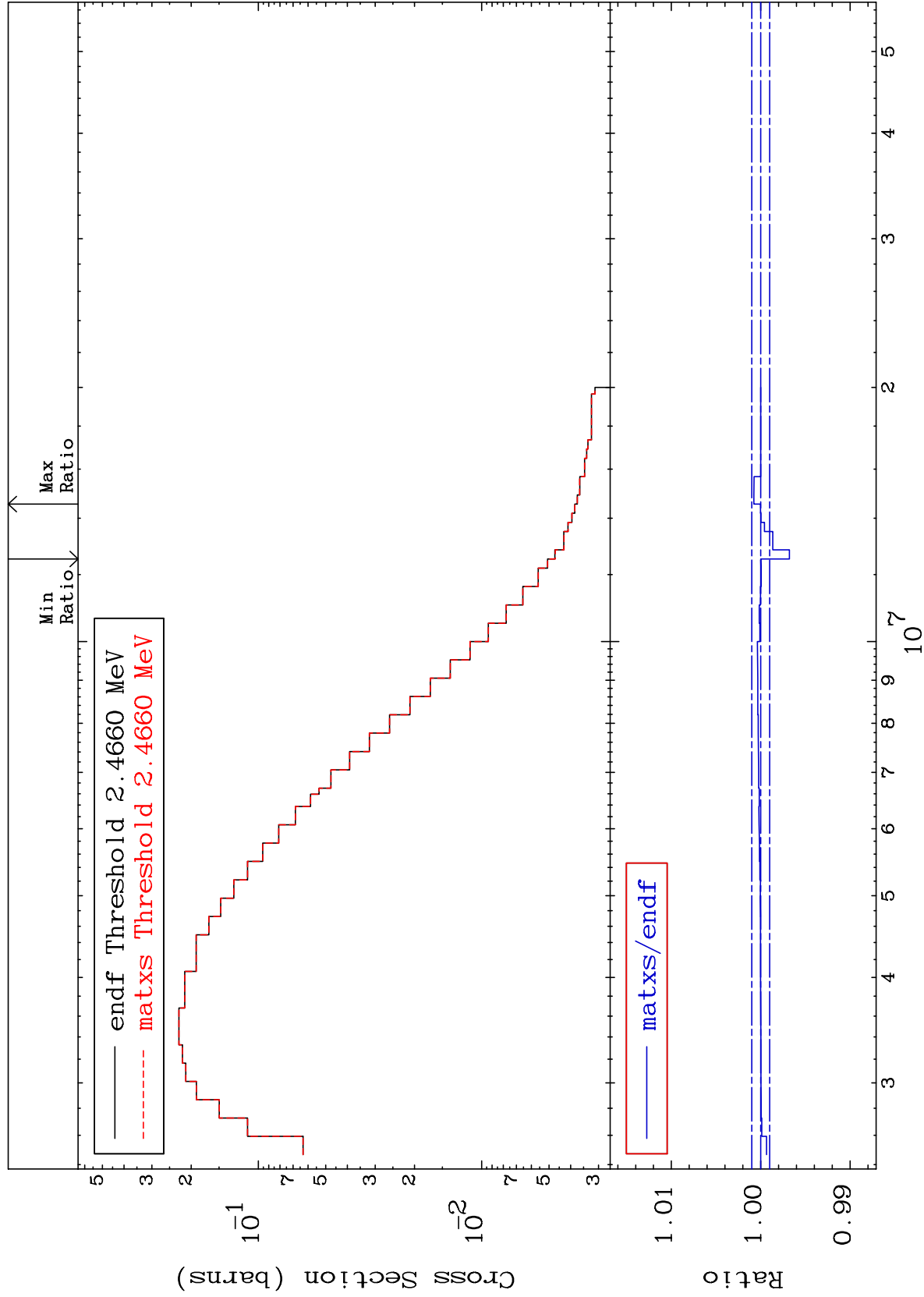
20-Ca-42
-0.891 To 0.285 %



MAT 2031

2.424 MeV (n,n') Level
Cross Section

20-Ca-42
-0.321 To 0.078 %



9

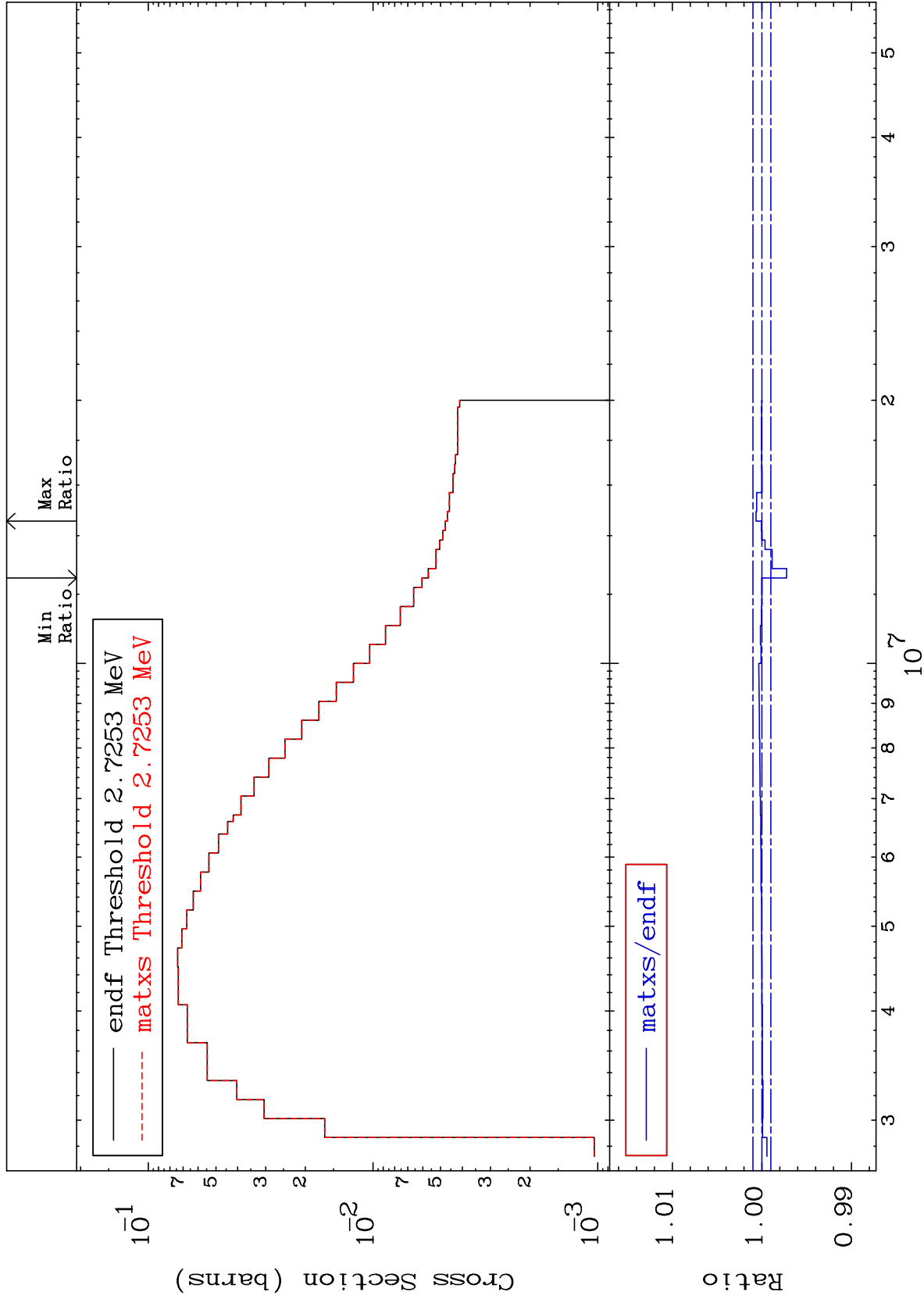
20-Ca-42

20-Ca-42

MAT 2031

2.752 MeV (n,n') Level
Cross Section

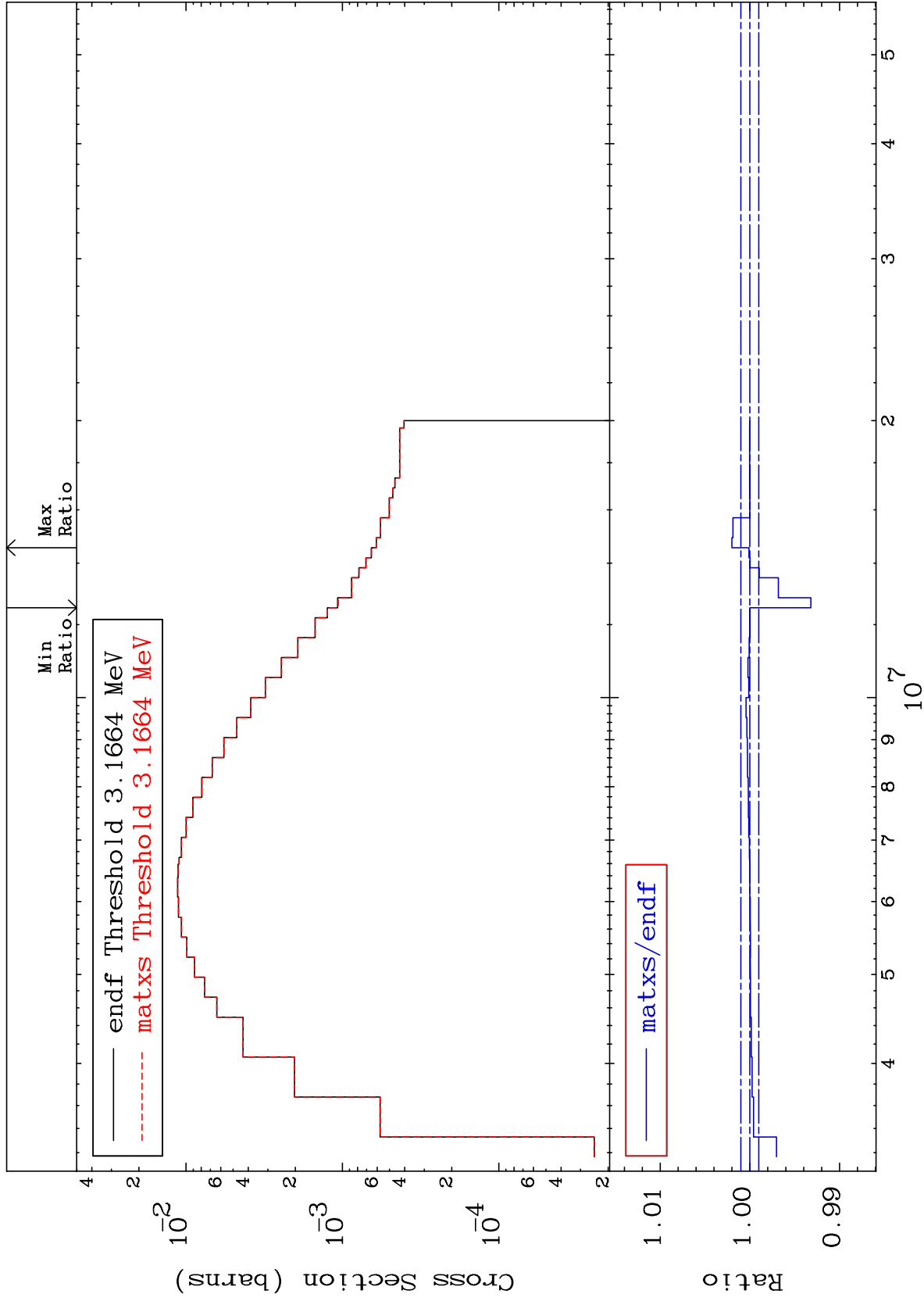
20-Ca-42
-0.277 To 0.063 %



MAT 2031

3.189 MeV (n,n') Level
Cross Section

20-Ca-42
-0.681 To 0.201 %



11

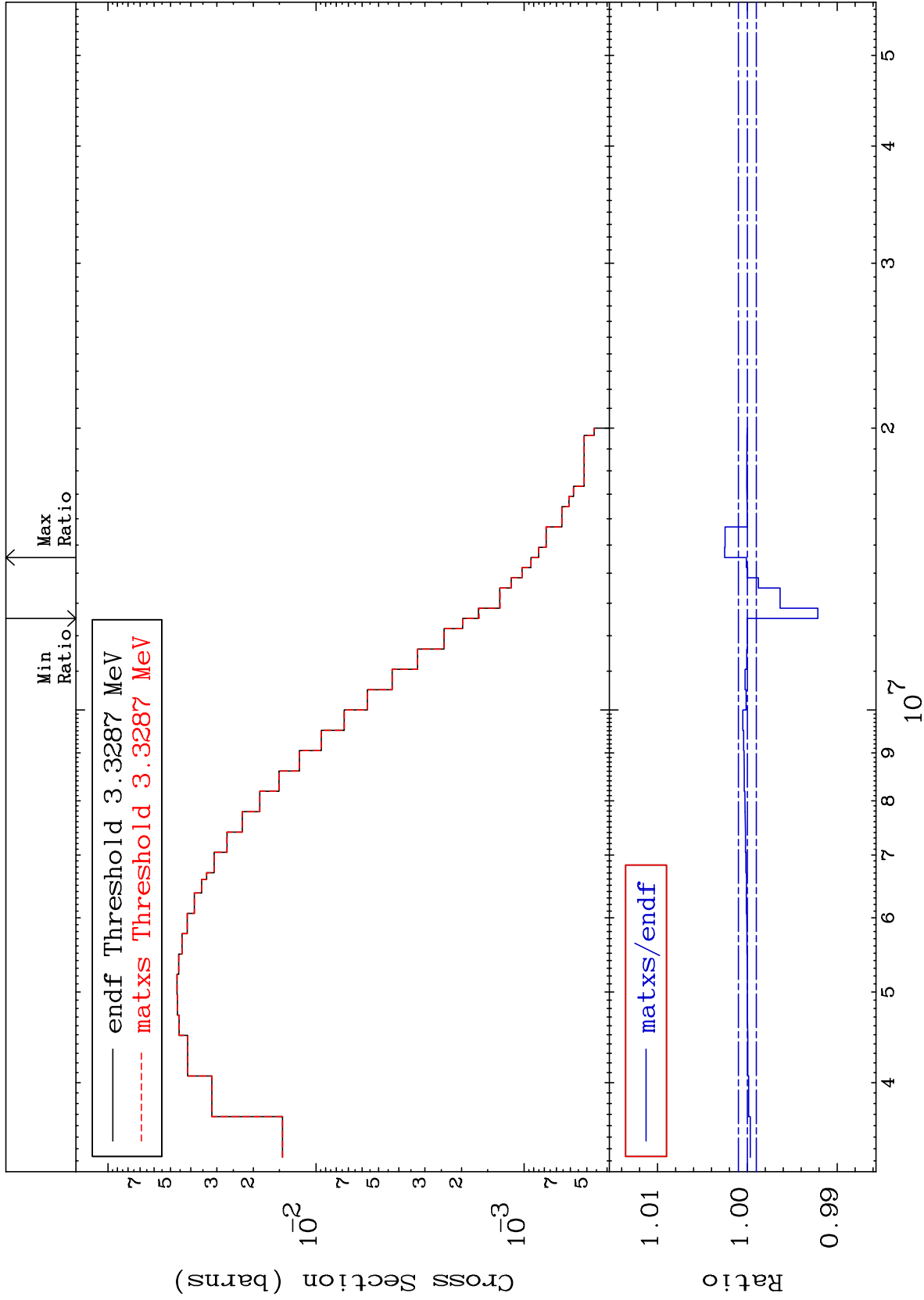
Incident Energy (eV)

20-Ca-42

MAT 2031

3.254 MeV (n,n') Level
Cross Section

20-Ca-42
-0.785 To 0.253 %



12

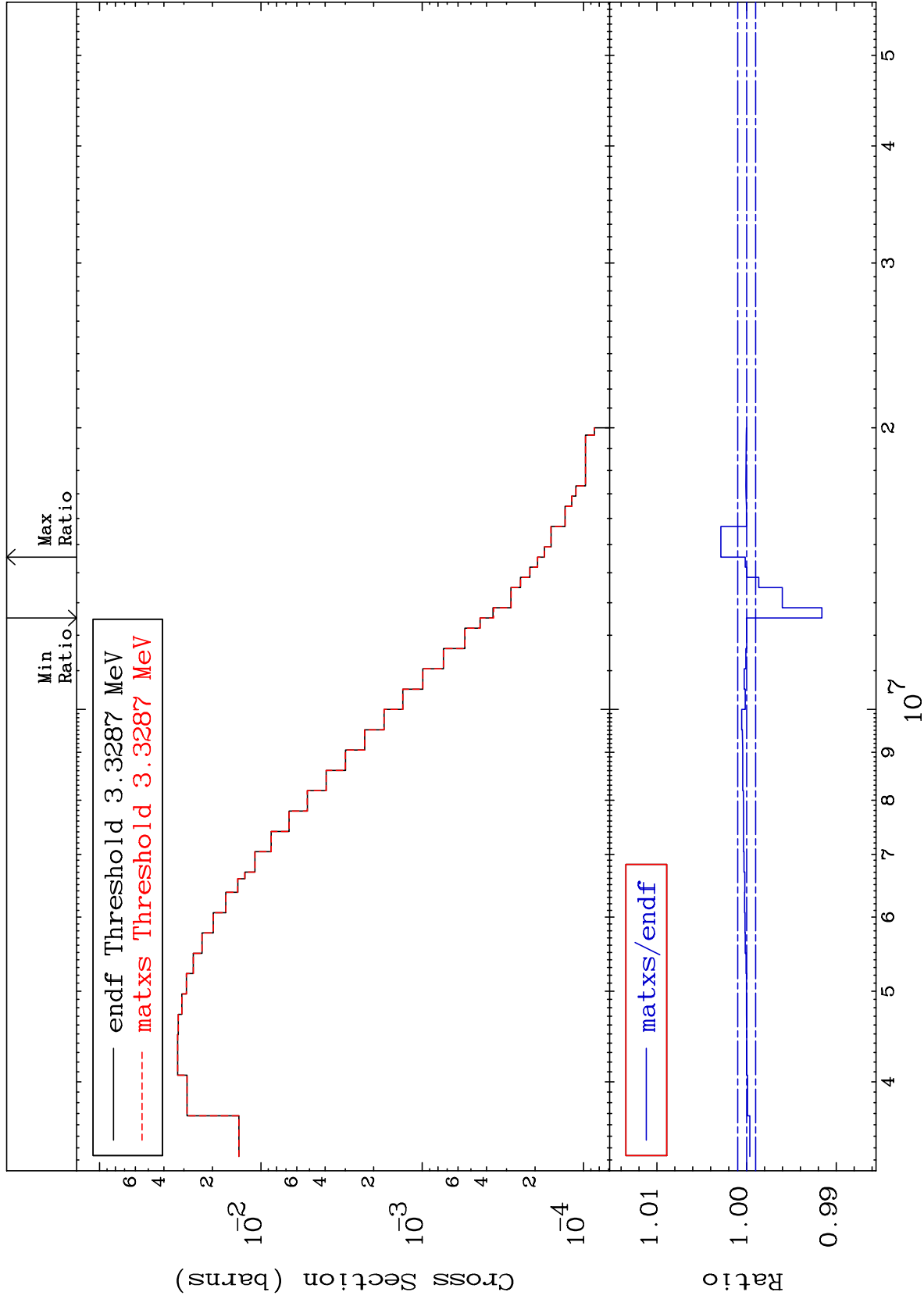
Incident Energy (eV)

20-Ca-42

MAT 2031

3.300 MeV (n,n') Level
Cross Section

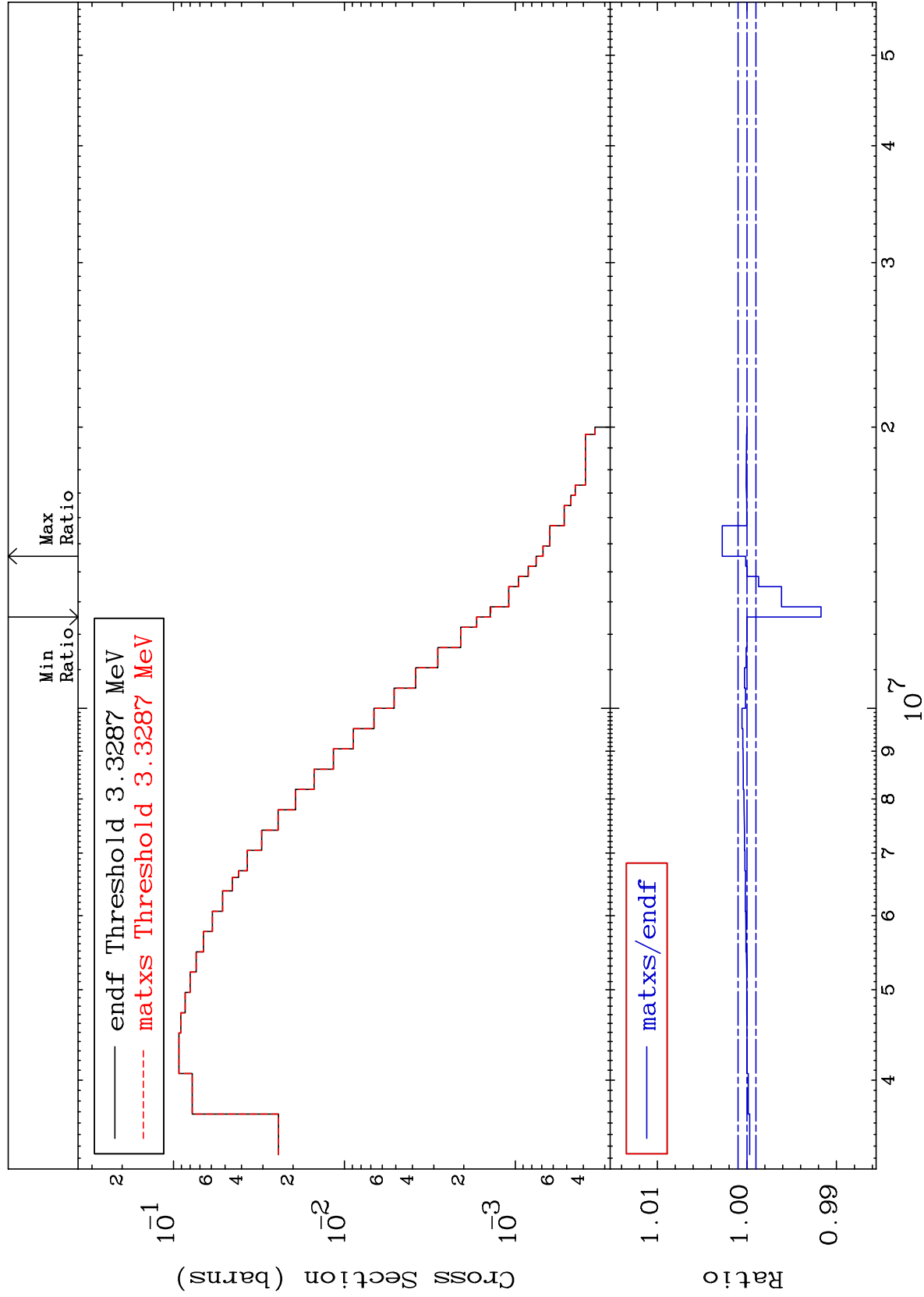
20-Ca-42
-0.840 To 0.287 %



MAT 2031

3.392 MeV (n,n') Level
Cross Section

20-Ca-42
-0.828 To 0.277 %



14

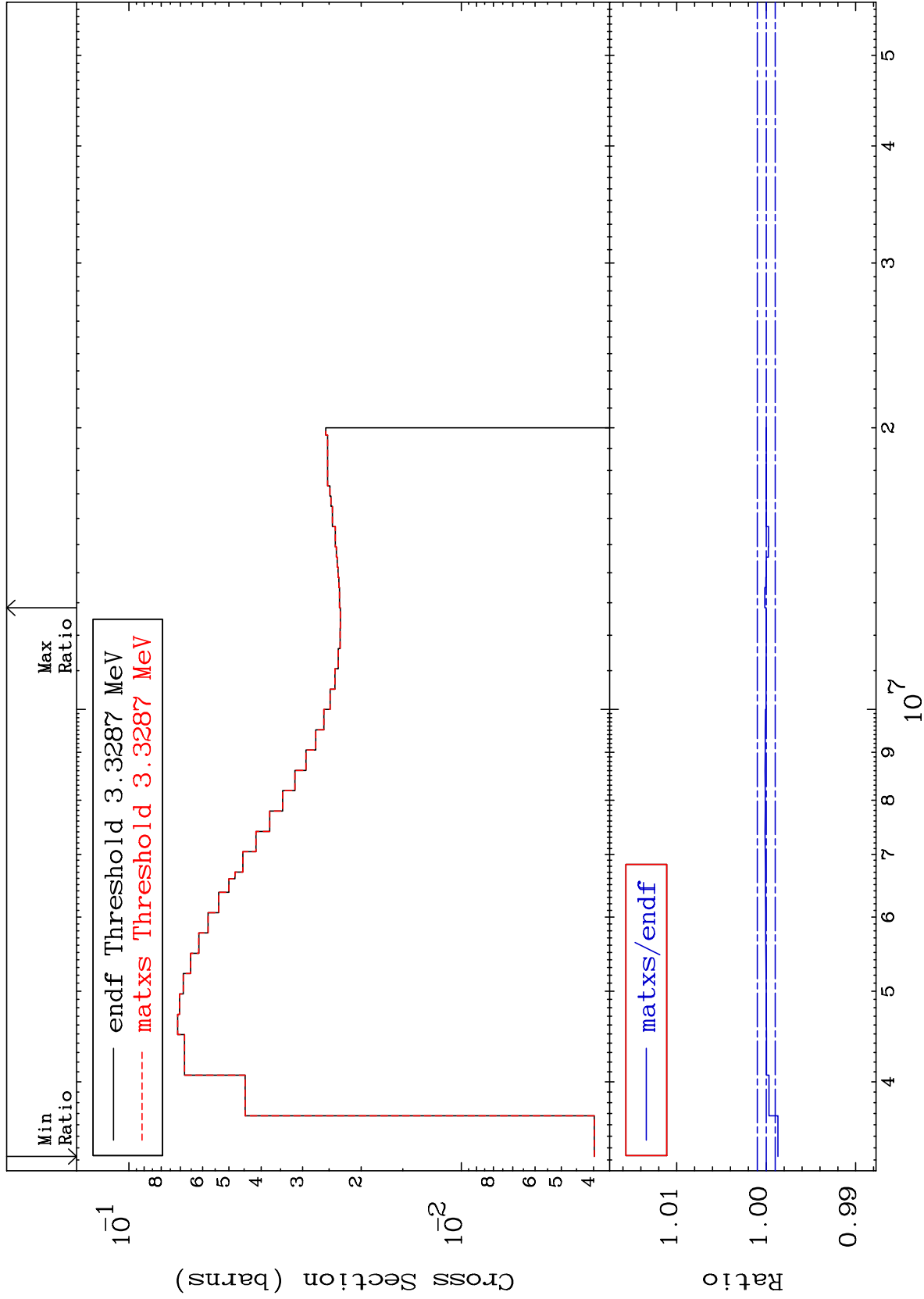
Incident Energy (eV)

20-Ca-42

MAT 2031

3.447 MeV (n,n') Level
Cross Section

20-Ca-42
-0.131 To 0.015 %



15

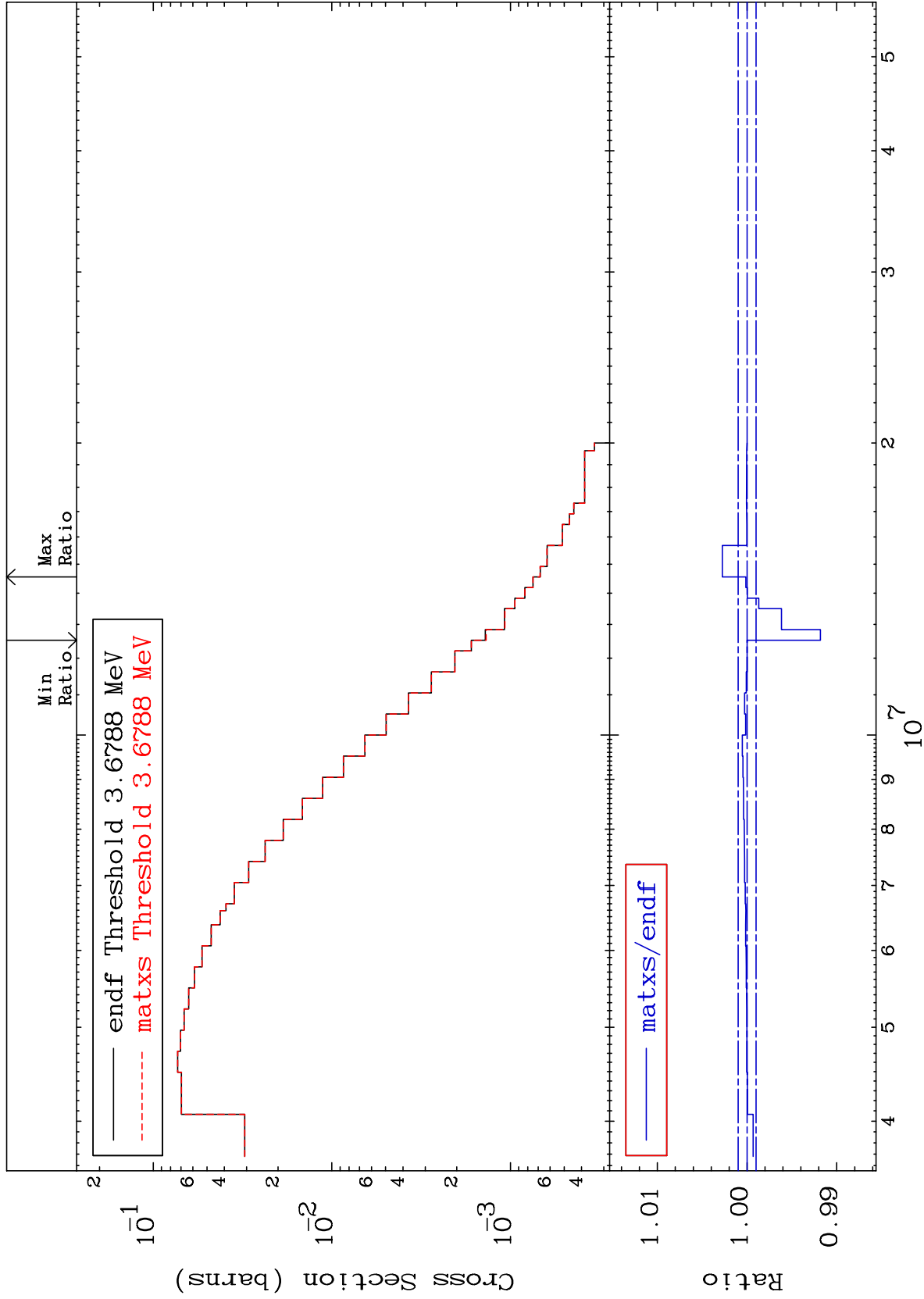
Incident Energy (eV)

20-Ca-42

MAT 2031

3.654 MeV (n,n') Level
Cross Section

20-Ca-42
-0.818 To 0.276 %

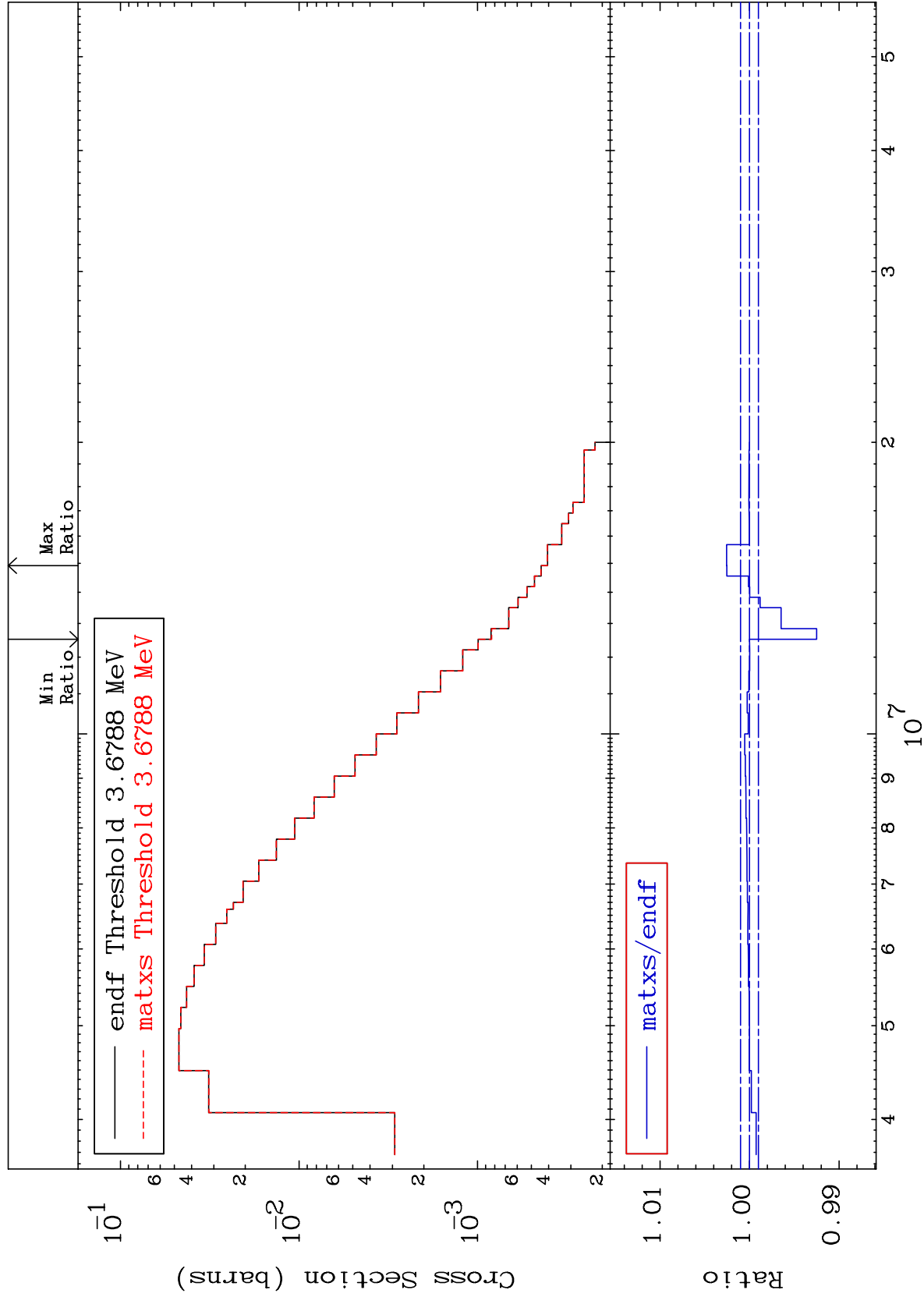


16

MAT 2031

3.885 MeV (n,n') Level
Cross Section

20-Ca-42
-0.751 To 0.256 %



17

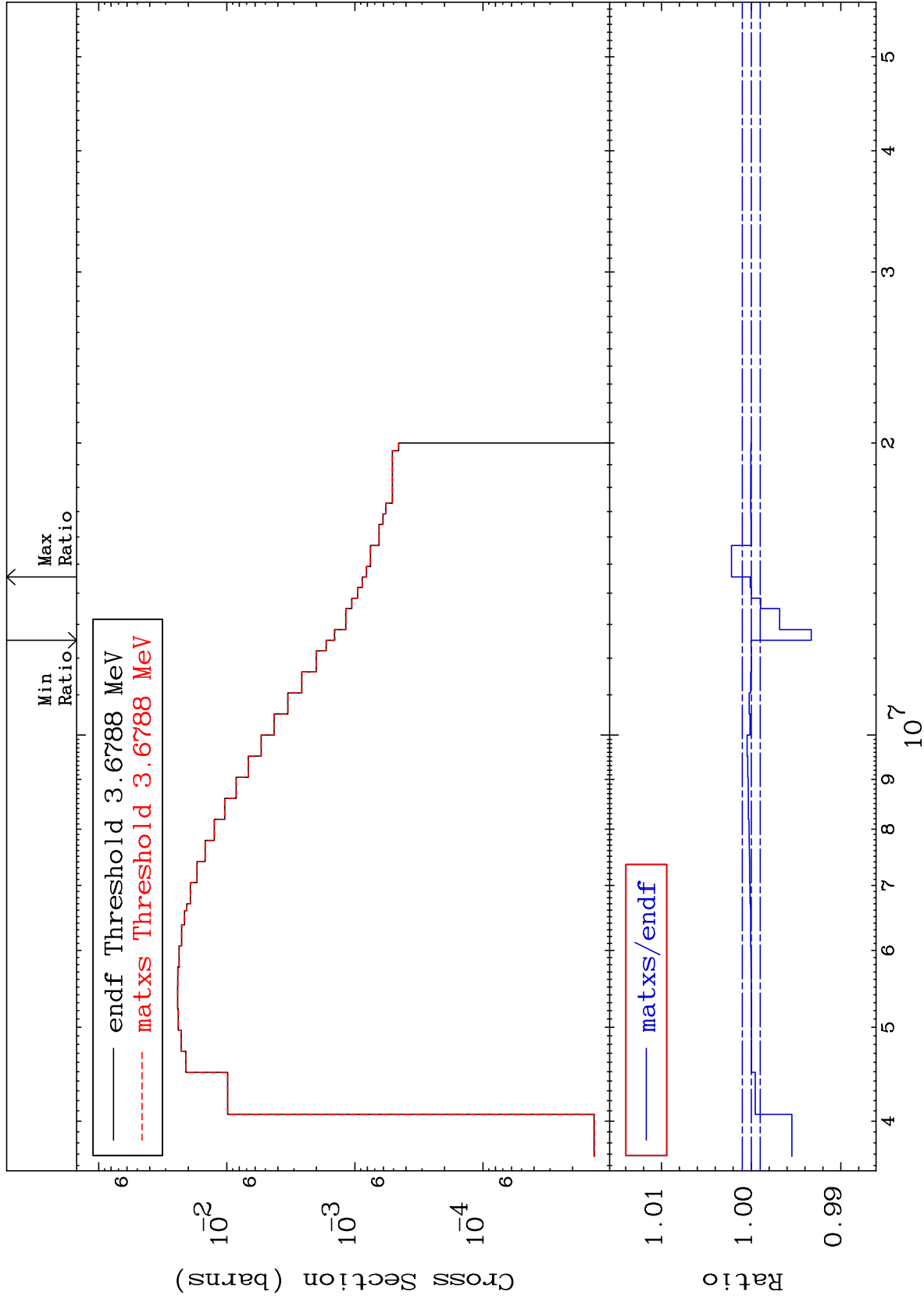
Incident Energy (eV)

20-Ca-42

MAT 2031

3.954 MeV (n,n') Level
Cross Section

20-Ca-42
-0.671 To 0.220 %



18

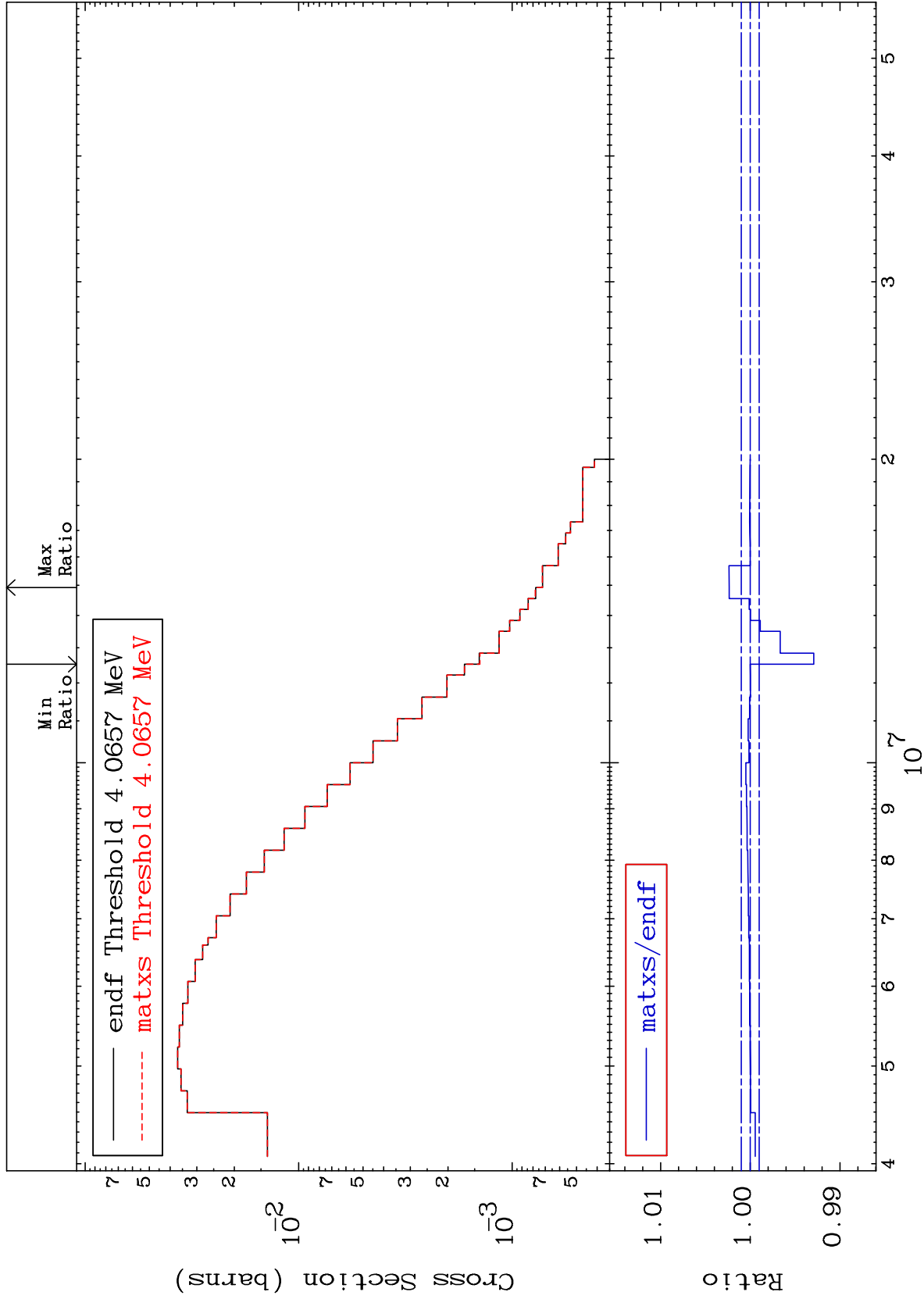
Incident Energy (eV)

20-Ca-42

MAT 2031

4.000 MeV (n,n') Level
Cross Section

20-Ca-42
-0.708 To 0.237 %

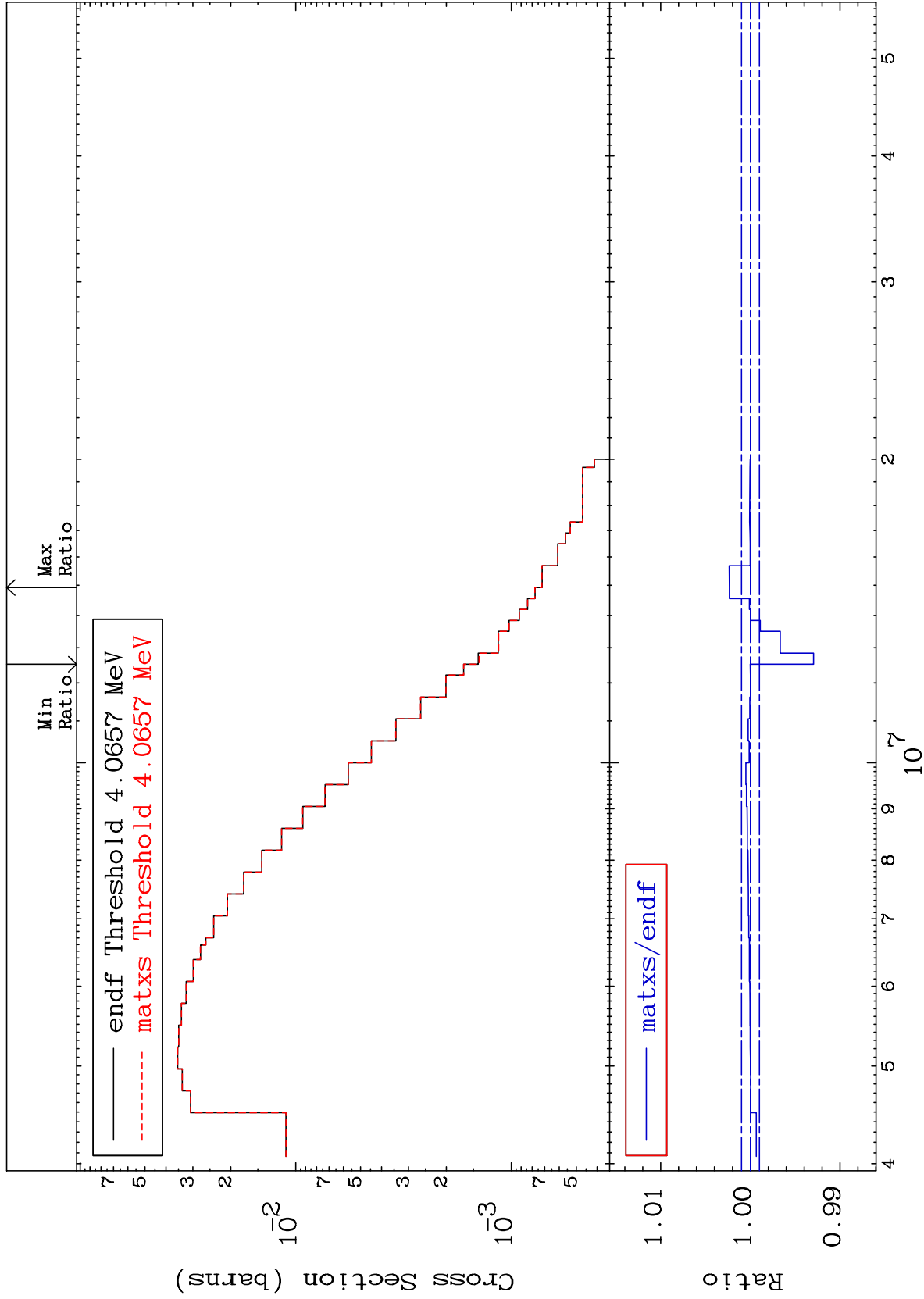


19

MAT 2031

4.047 MeV (n,n') Level
Cross Section

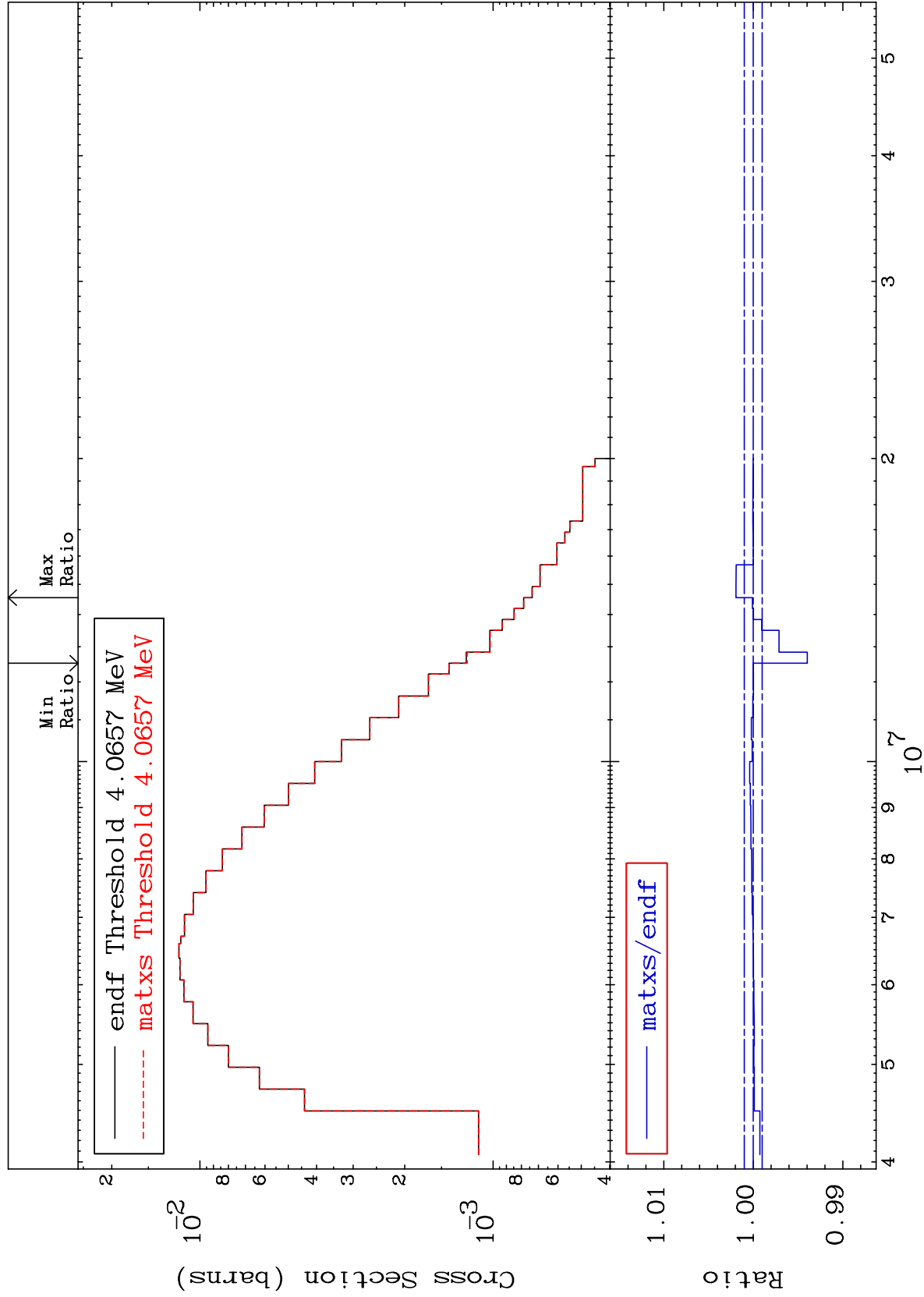
20-Ca-42
-0.706 To 0.237 %



MAT 2031

4.100 MeV (n,n') Level
Cross Section

20-Ca-42
-0.604 To 0.194 %



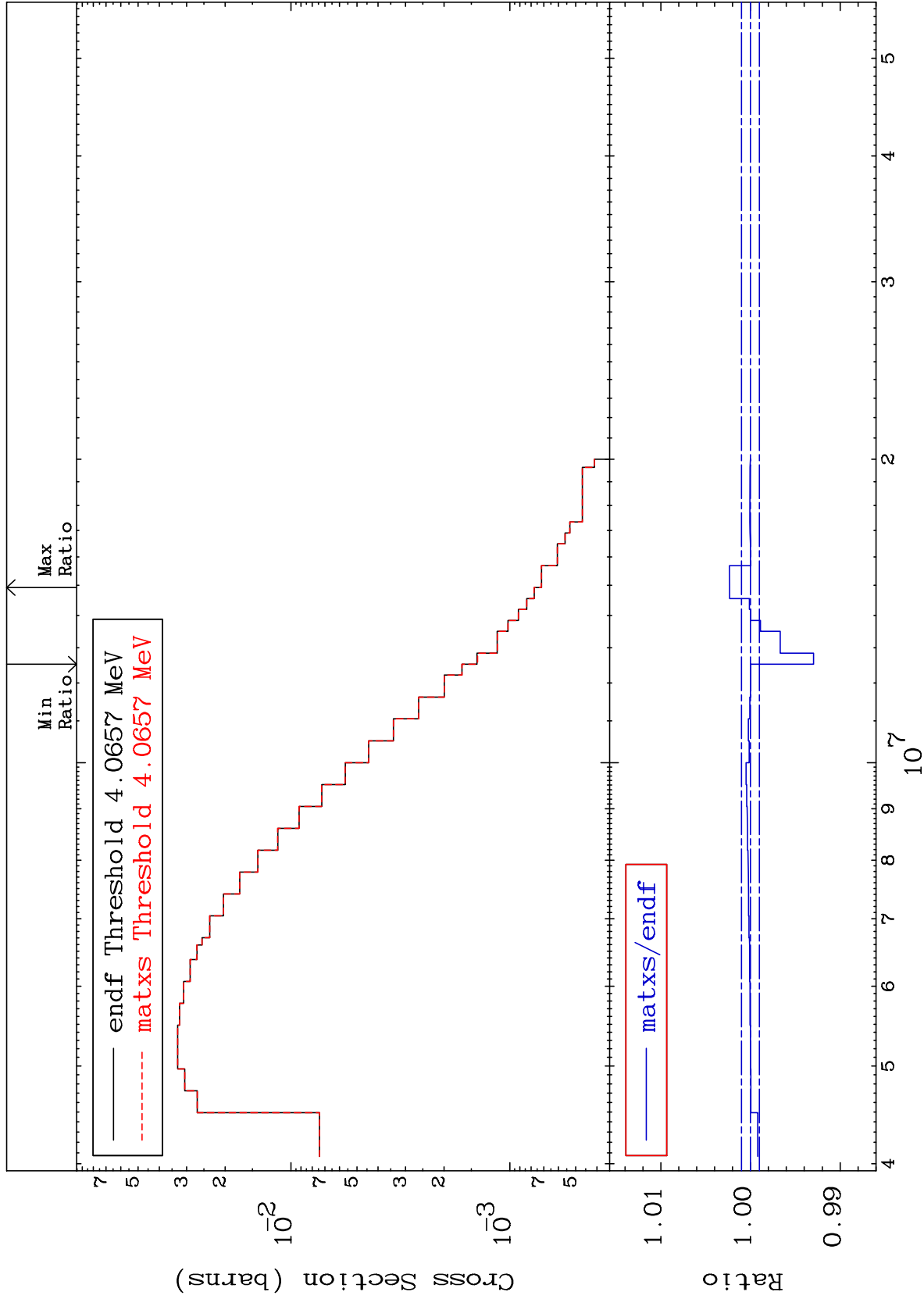
21

20-Ca-42

MAT 2031

4.117 MeV (n,n') Level
Cross Section

20-Ca-42
-0.703 To 0.236 %



22

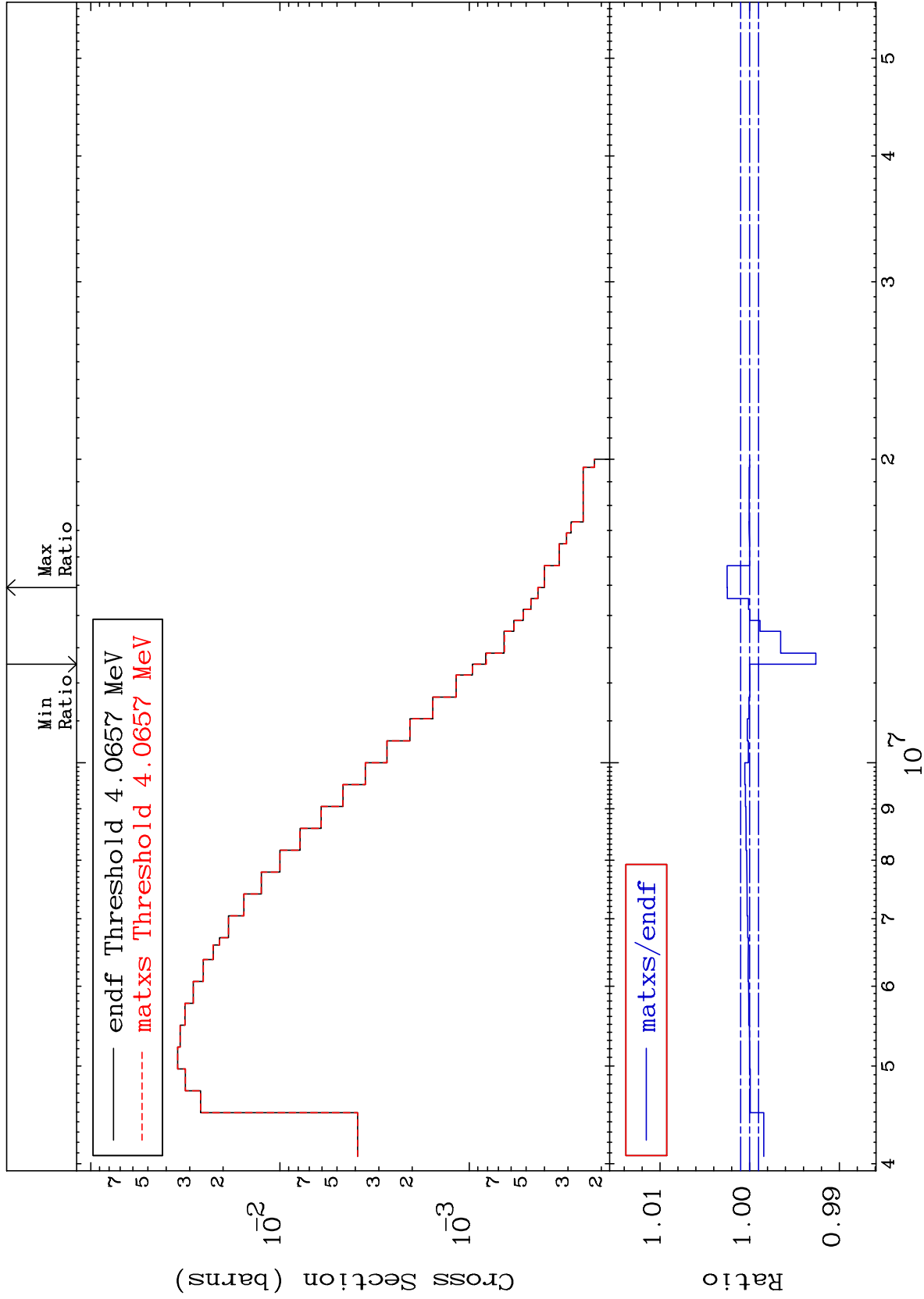
Incident Energy (eV)

20-Ca-42

MAT 2031

4.232 MeV (n,n') Level
Cross Section

20-Ca-42
-0.737 To 0.252 %



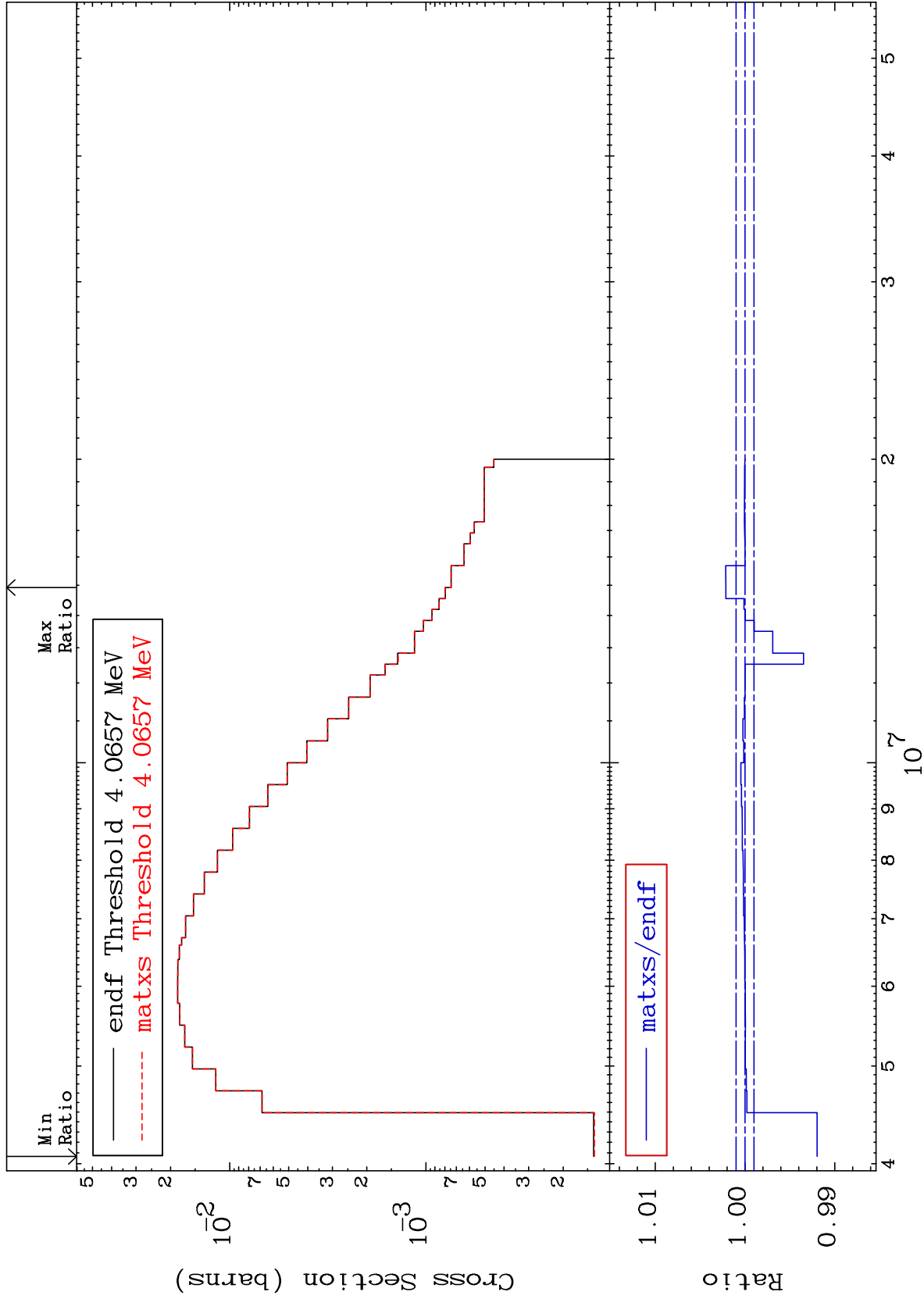
23

20-Ca-42

MAT 2031

4.354 MeV (n,n') Level
Cross Section

20-Ca-42
-0.803 To 0.215 %



24

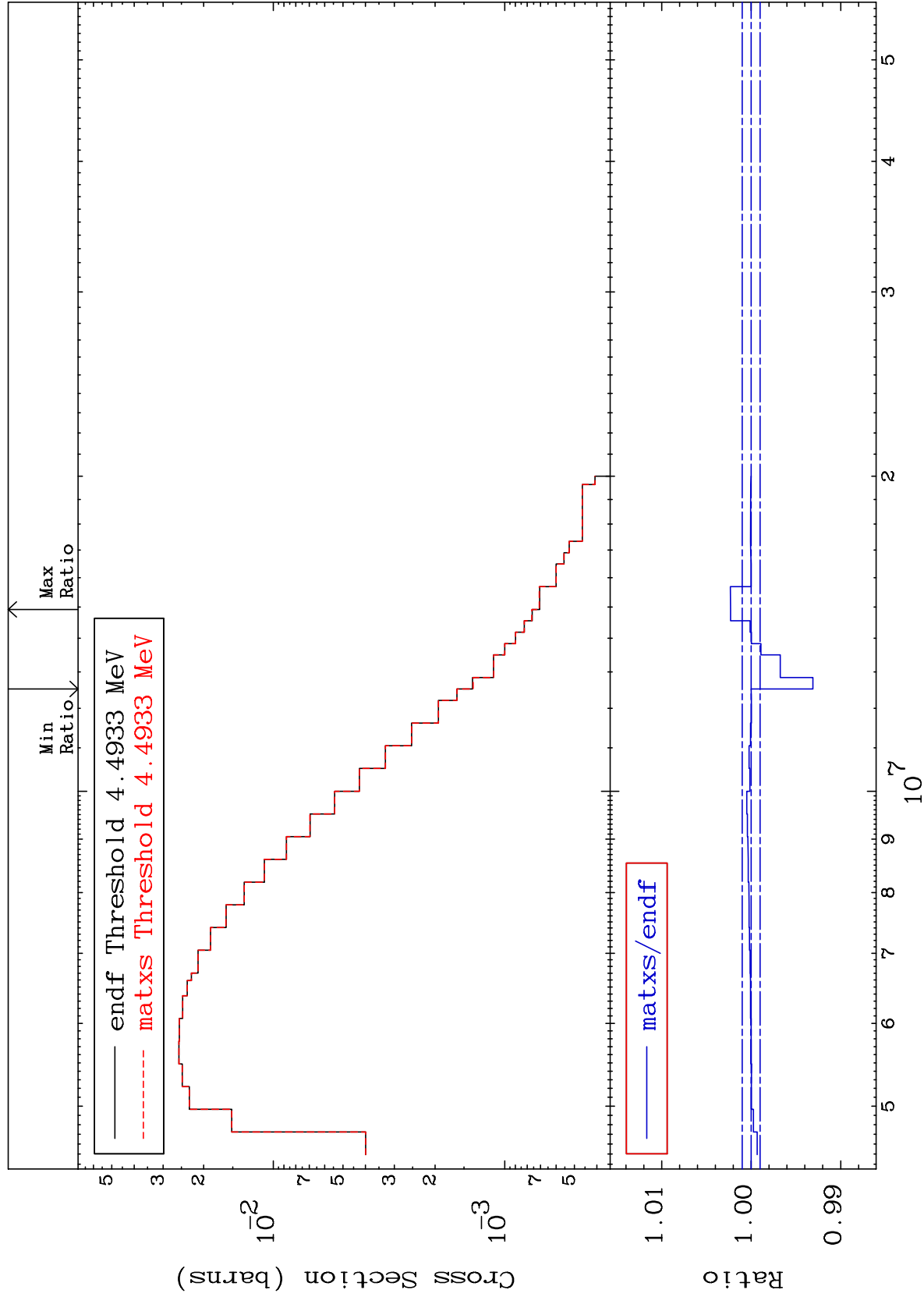
Incident Energy (eV)

20-Ca-42

MAT 2031

4.418 MeV (n,n') Level
Cross Section

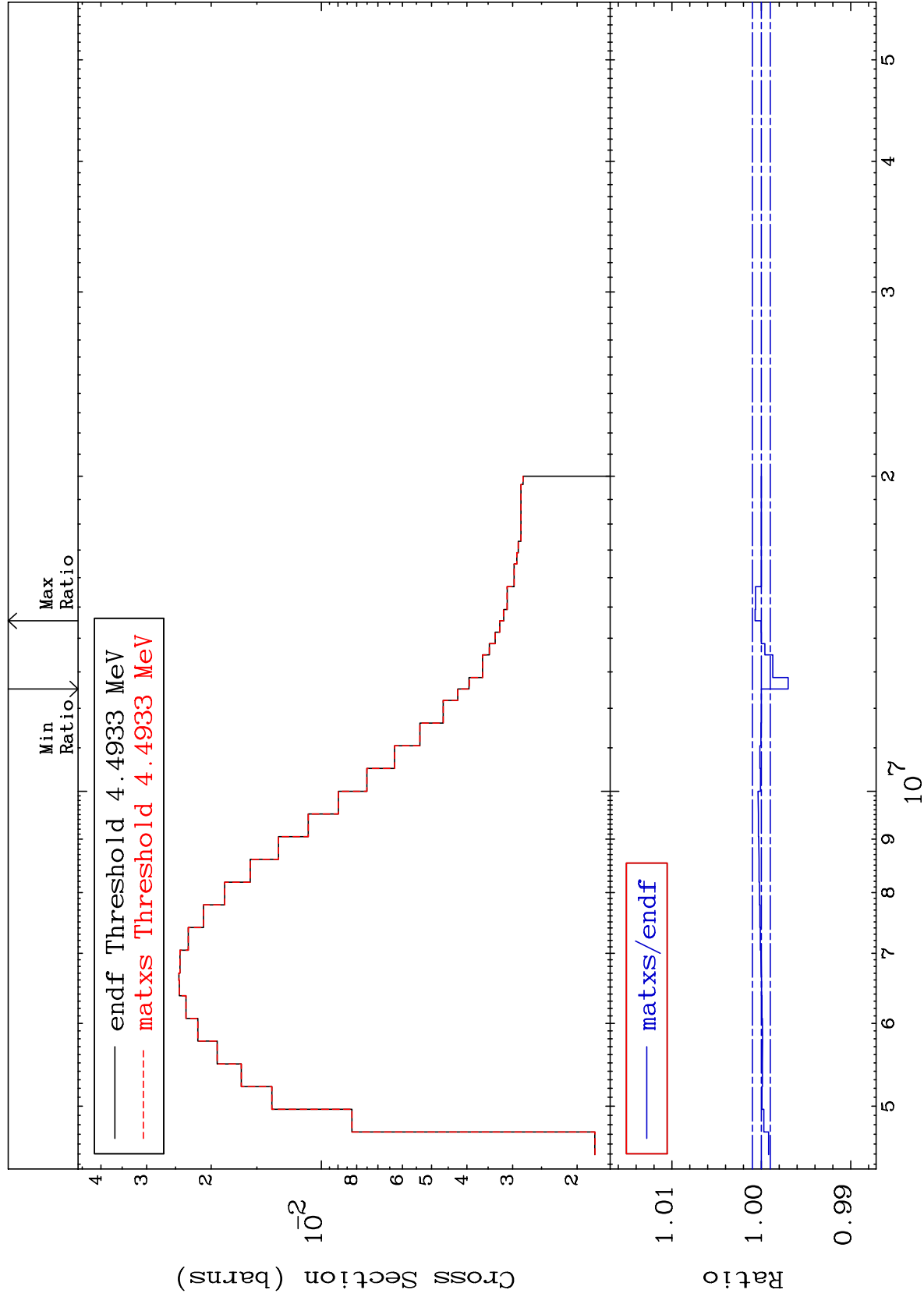
20-Ca-42
-0.690 To 0.232 %



MAT 2031

4.443 MeV (n,n') Level
Cross Section

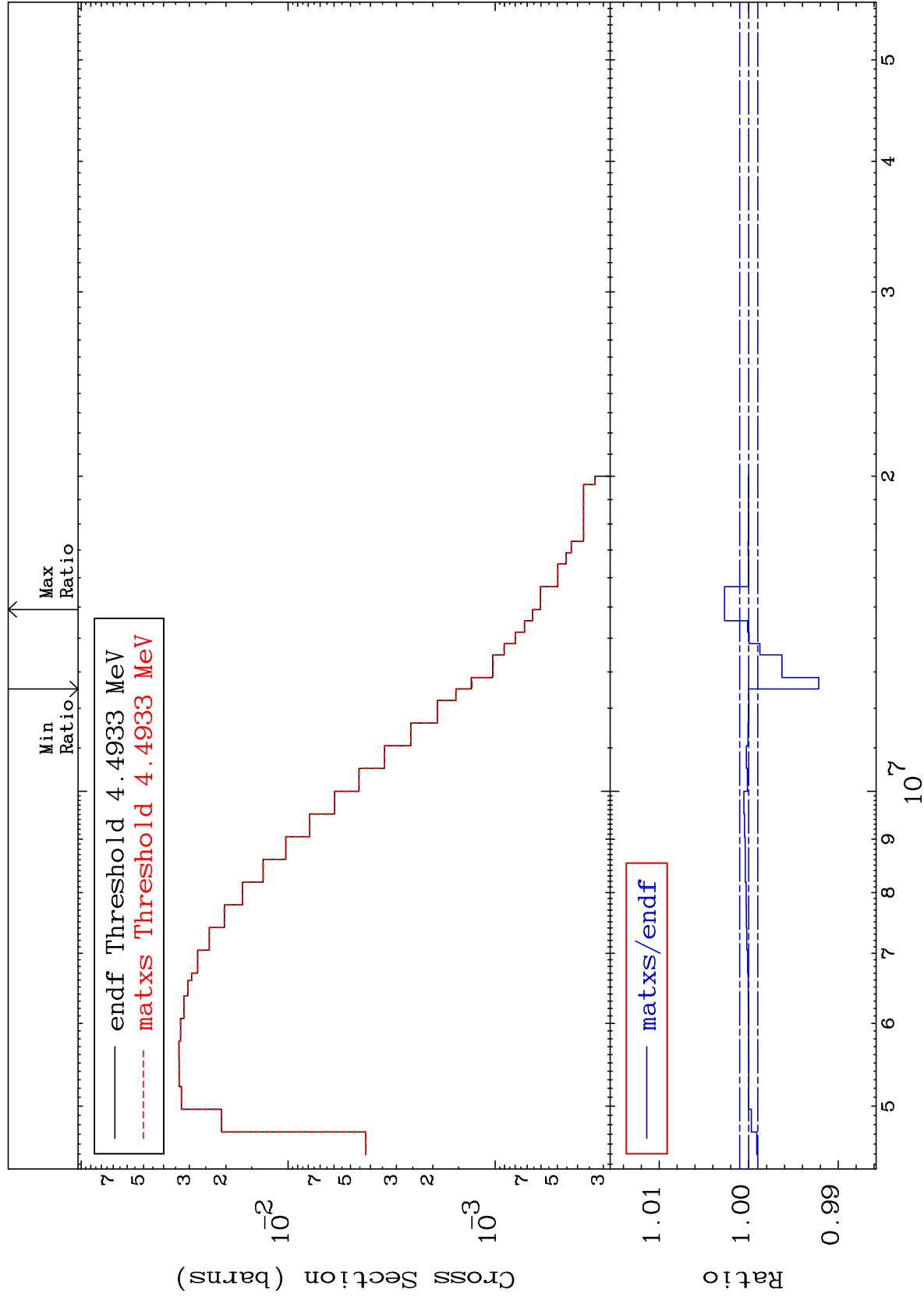
20-Ca-42
-0.301 To 0.070 %



MAT 2031

4.452 MeV (n,n') Level
Cross Section

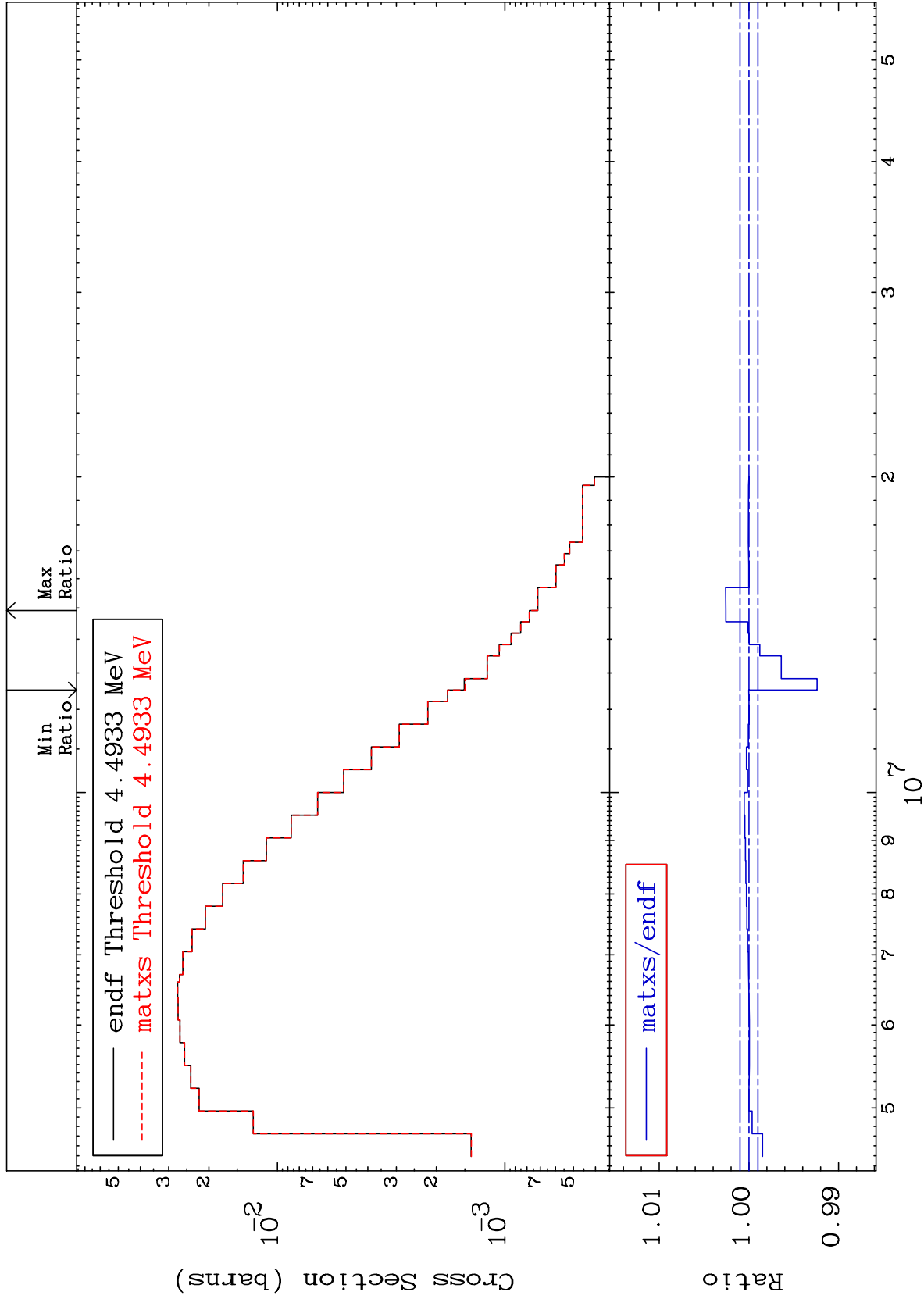
20-Ca-42
-0.783 To 0.271 %



MAT 2031

4.505 MeV (n,n') Level
Cross Section

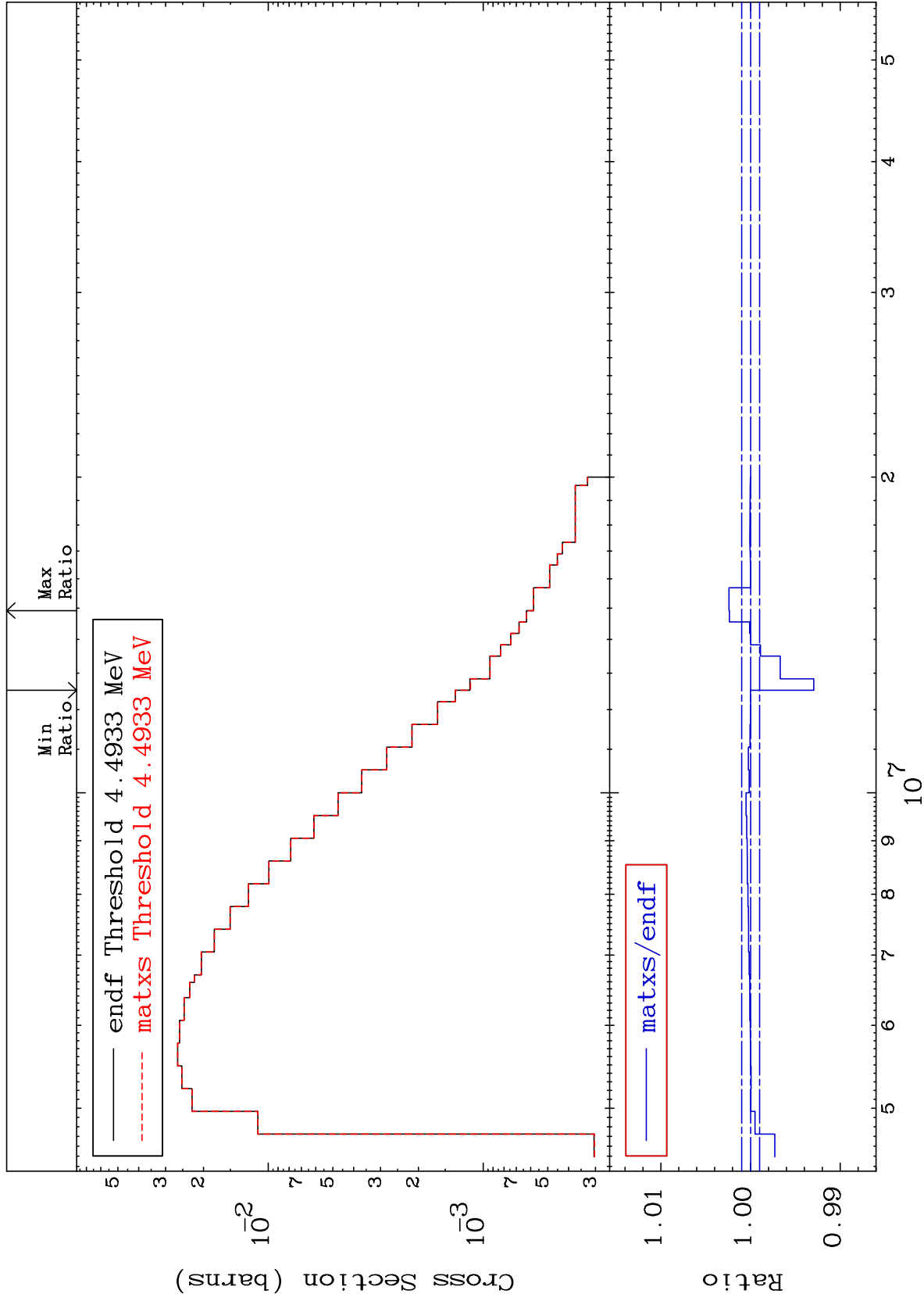
20-Ca-42
-0.760 To 0.259 %



MAT 2031

4.567 MeV (n,n') Level
Cross Section

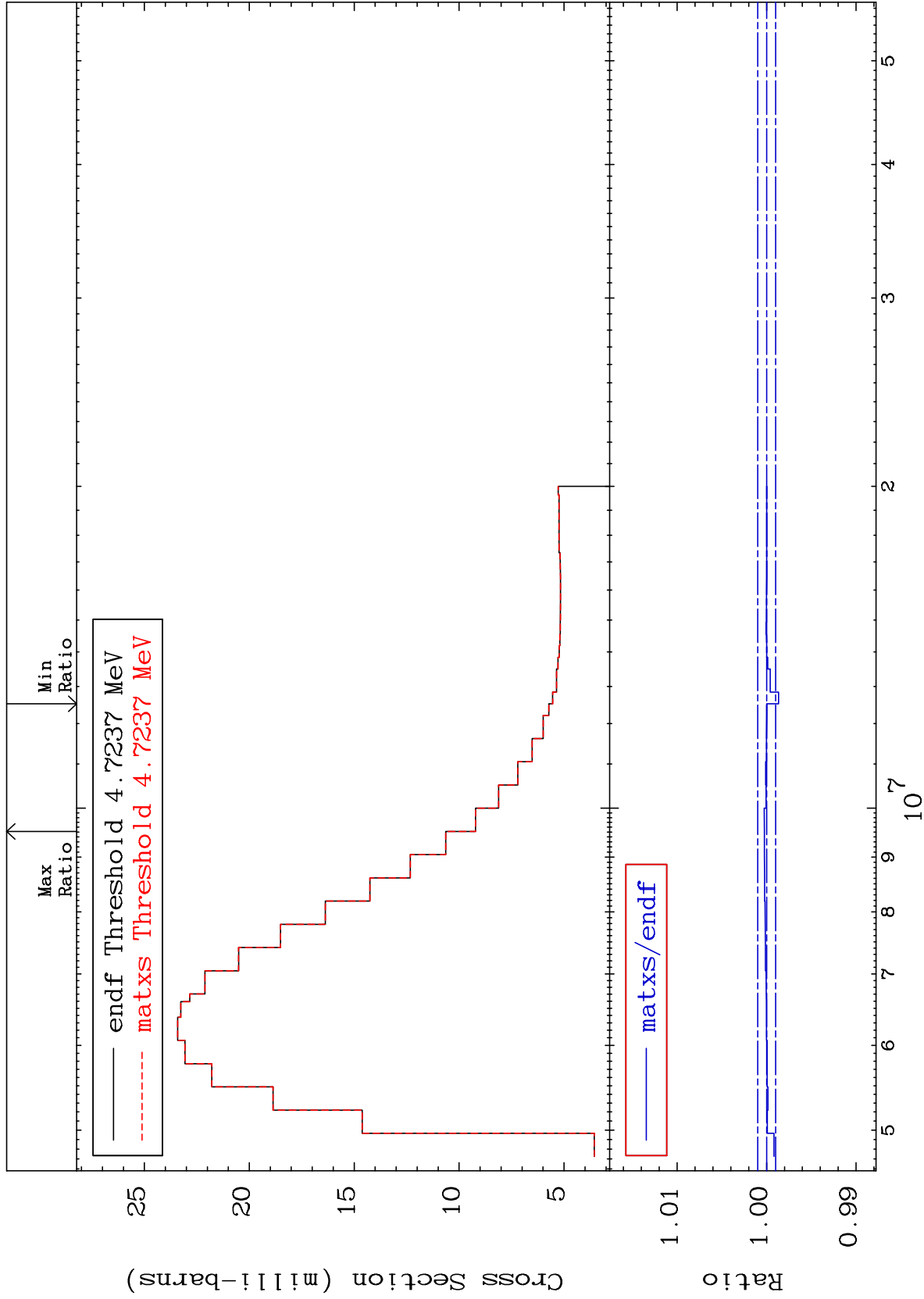
20-Ca-42
-0.705 To 0.240 %



MAT 2031

4.690 MeV (n,n') Level
Cross Section

20-Ca-42
-0.134 To 0.027 %

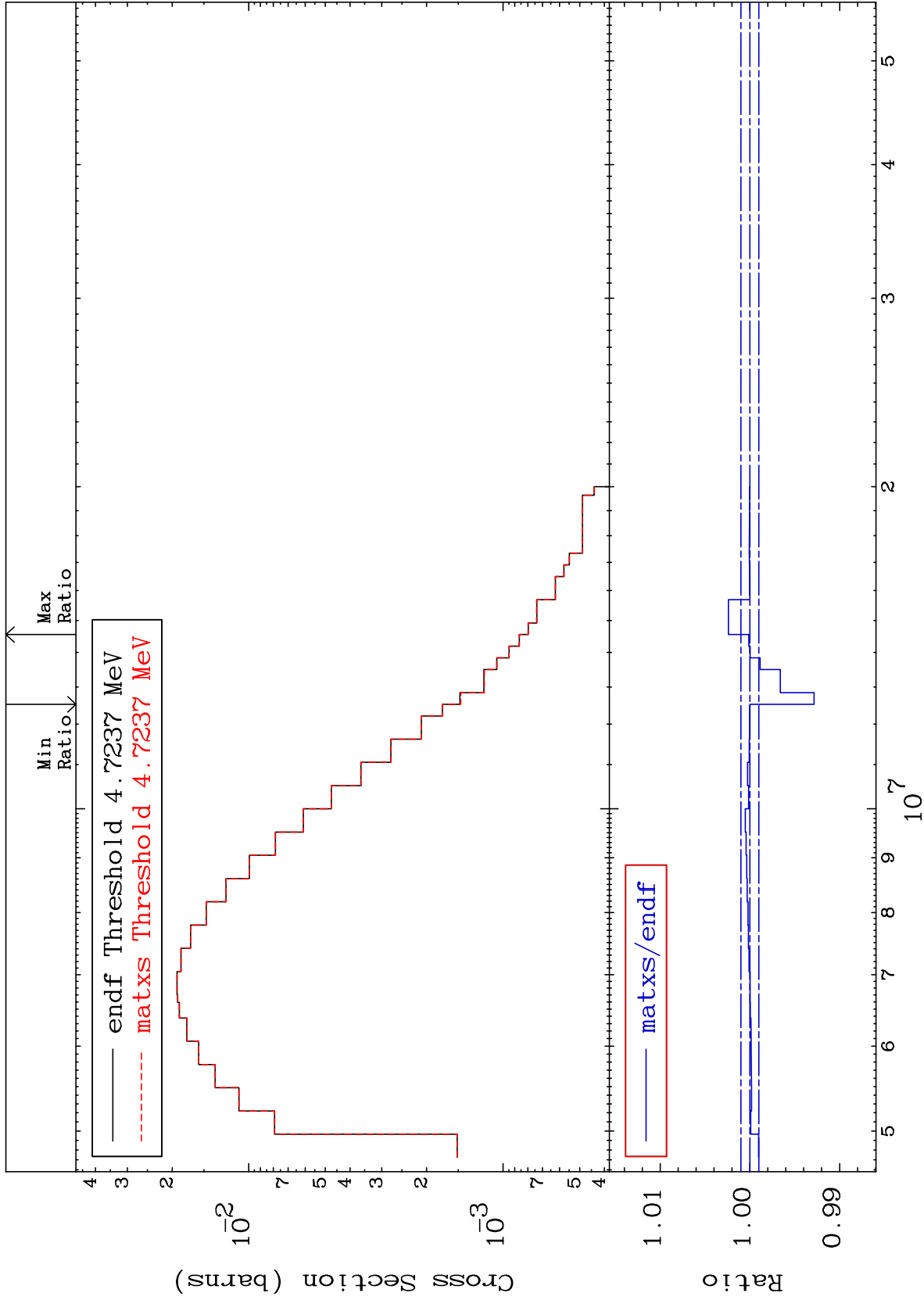


30

MAT 2031

4.715 MeV (n,n') Level
Cross Section

20-Ca-42
-0.716 To 0.240 %



31

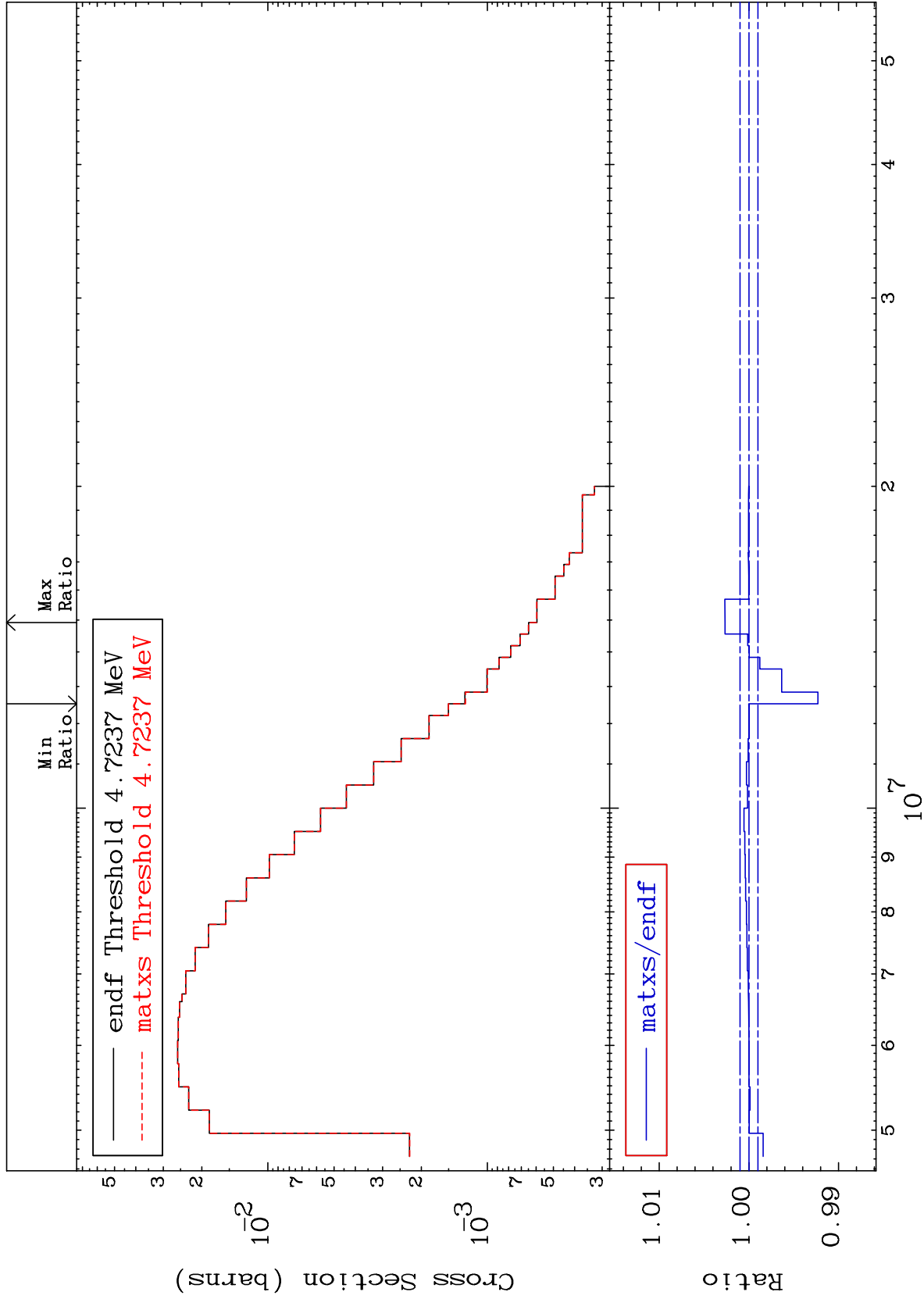
Incident Energy (eV)

20-Ca-42

MAT 2031

4.760 MeV (n,n') Level
Cross Section

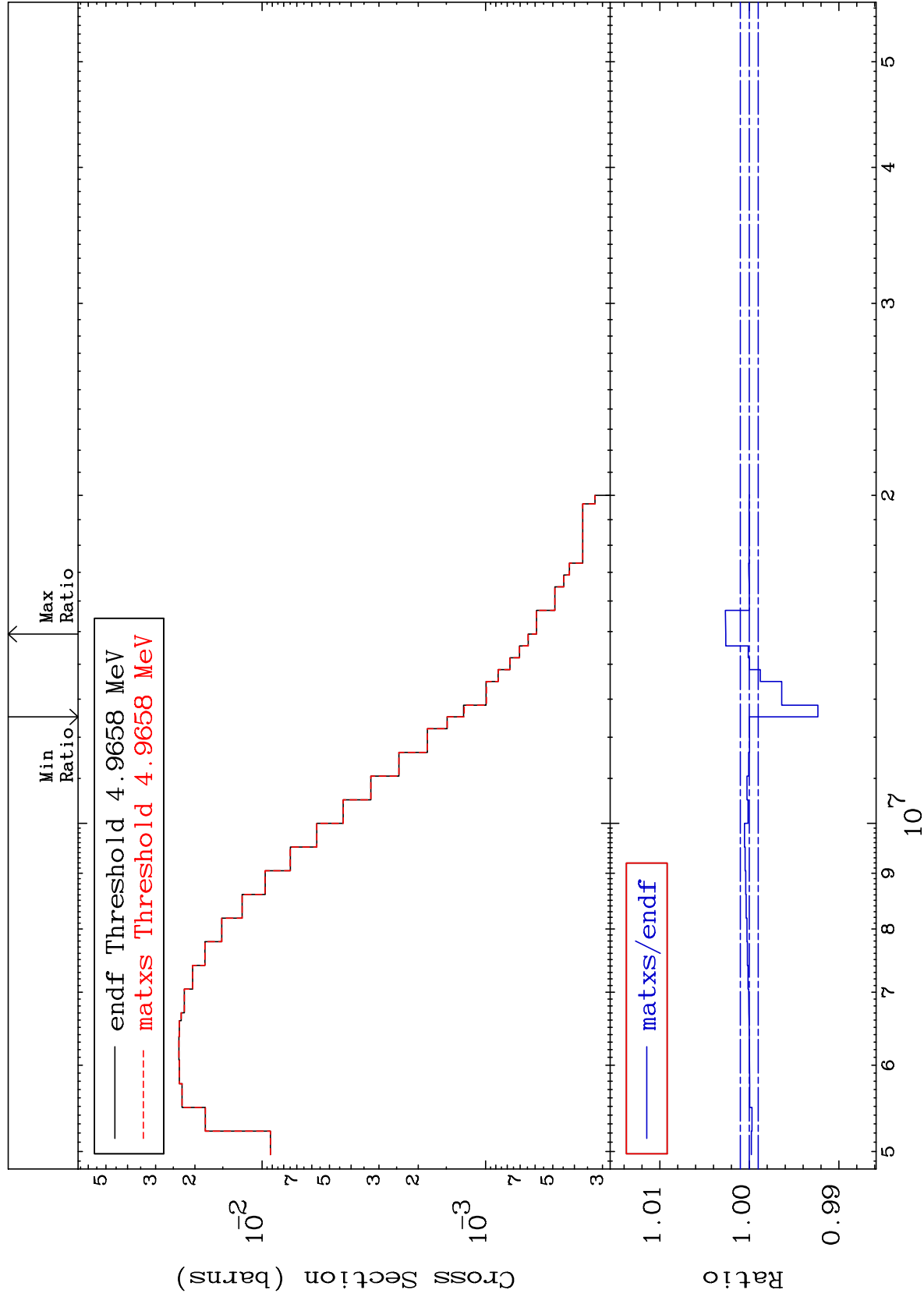
20-Ca-42
-0.770 To 0.268 %



MAT 2031

4.866 MeV (n,n') Level
Cross Section

20-Ca-42
-0.765 To 0.267 %



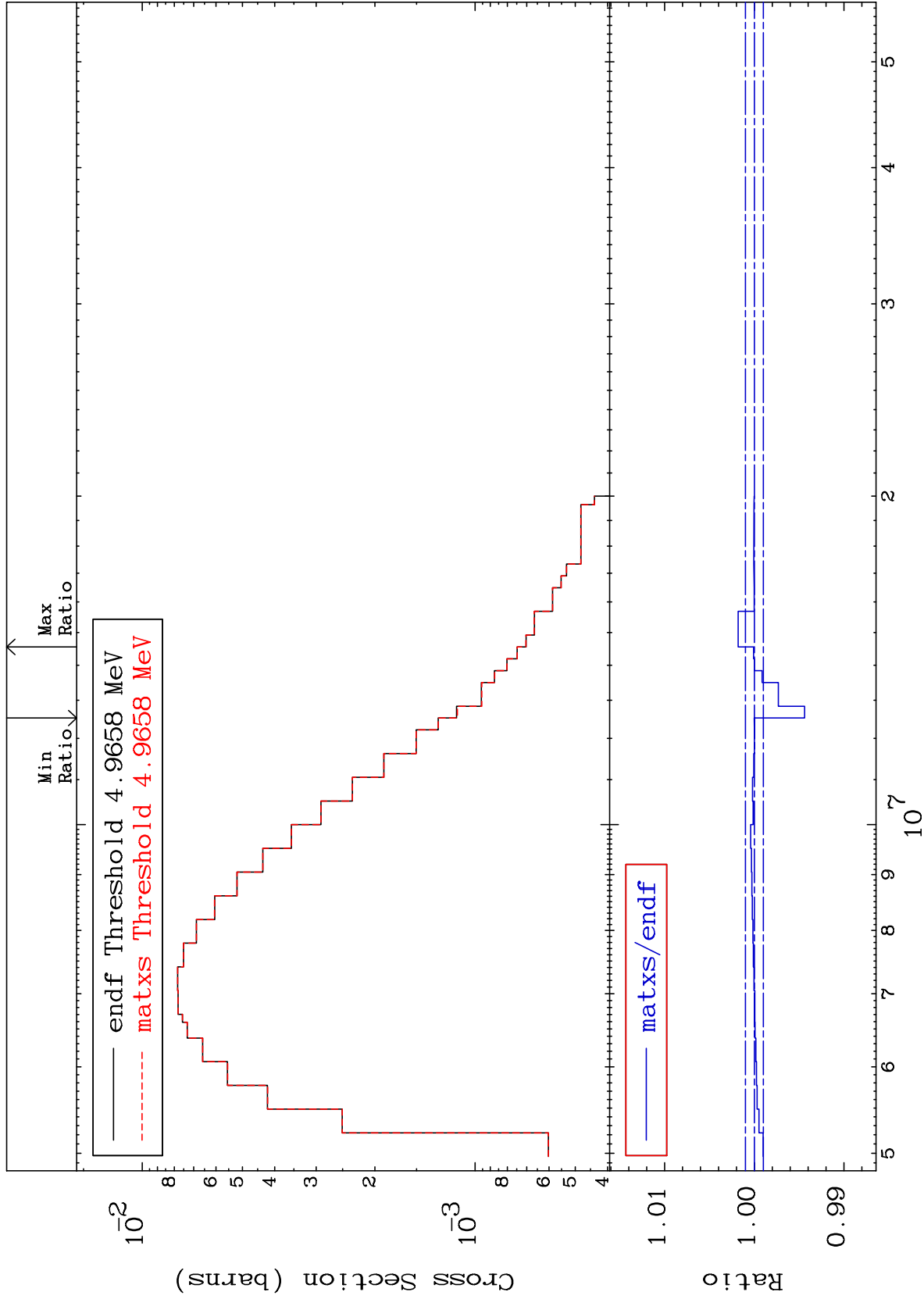
33

20-Ca-42

MAT 2031

4.896 MeV (n,n') Level
Cross Section

20-Ca-42
-0.562 To 0.181 %



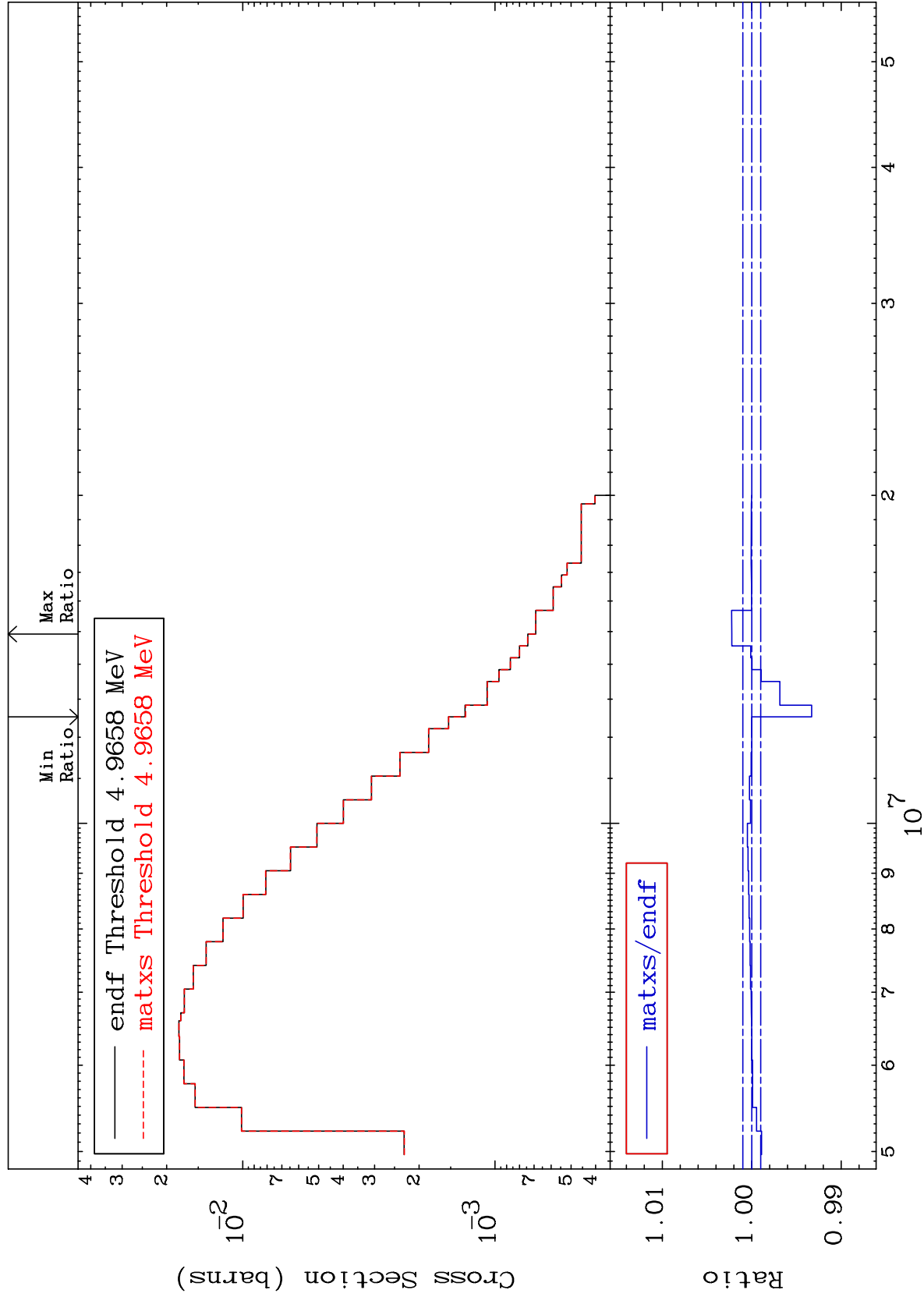
34

20-Ca-42

MAT 2031

4.904 MeV (n,n') Level
Cross Section

20-Ca-42
-0.670 To 0.225 %



35

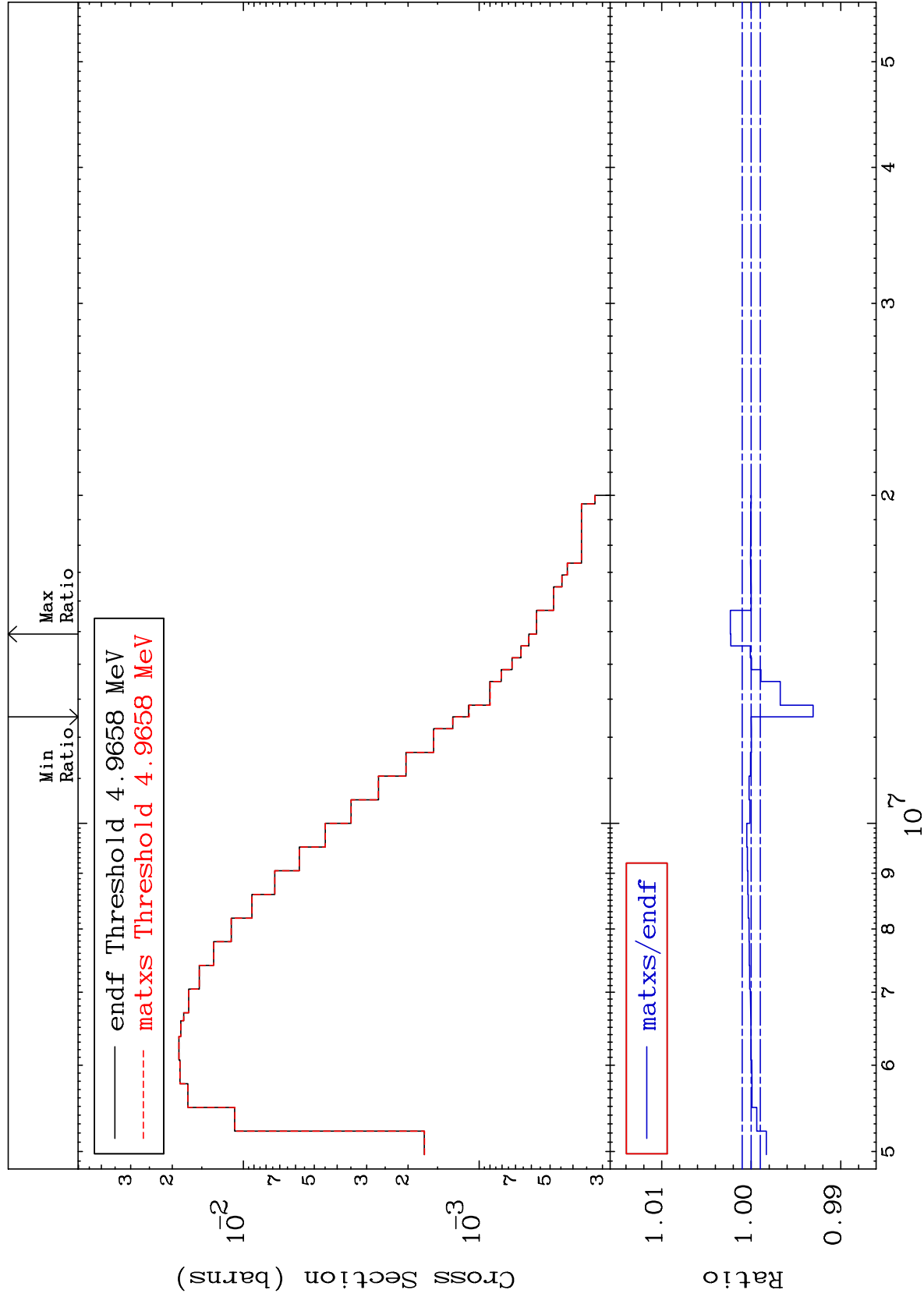
Incident Energy (eV)

20-Ca-42

MAT 2031

4.947 MeV (n,n') Level
Cross Section

20-Ca-42
-0.690 To 0.234 %



36

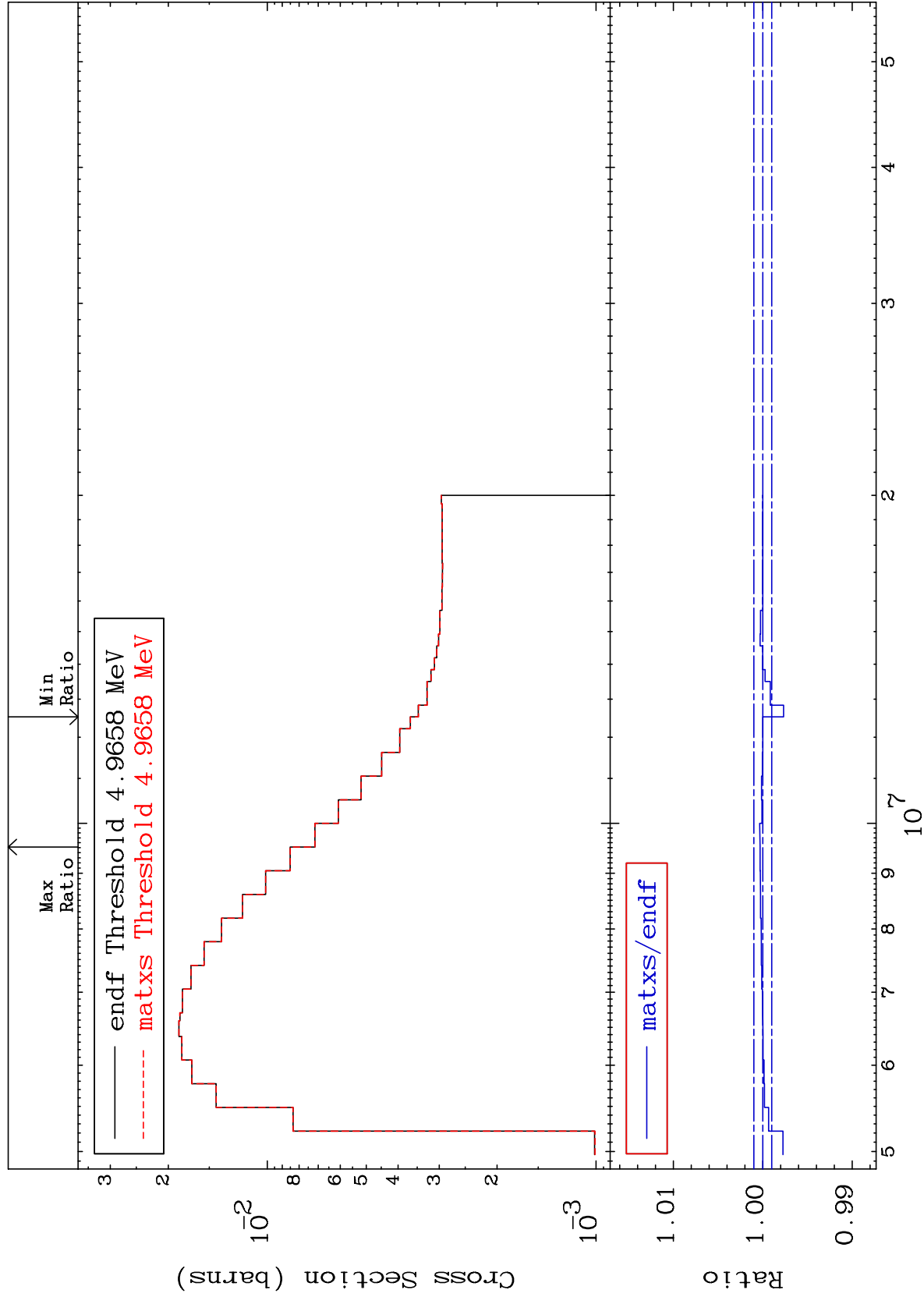
Incident Energy (eV)

20-Ca-42

MAT 2031

4.971 MeV (n,n') Level
Cross Section

20-Ca-42
-0.233 To 0.034 %



37

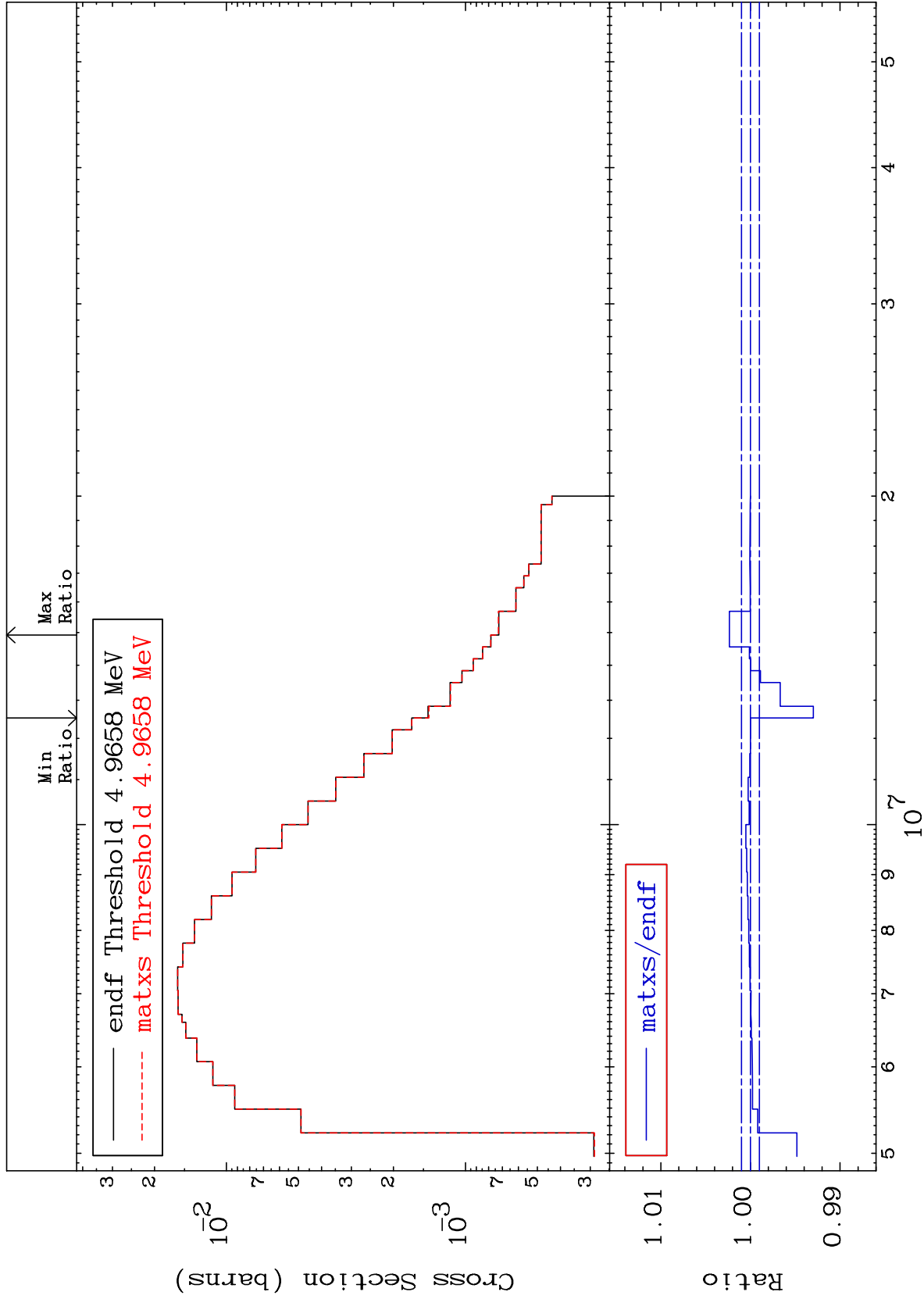
Incident Energy (eV)

20-Ca-42

MAT 2031

5.017 MeV (n,n') Level
Cross Section

20-Ca-42
-0.703 To 0.235 %



38

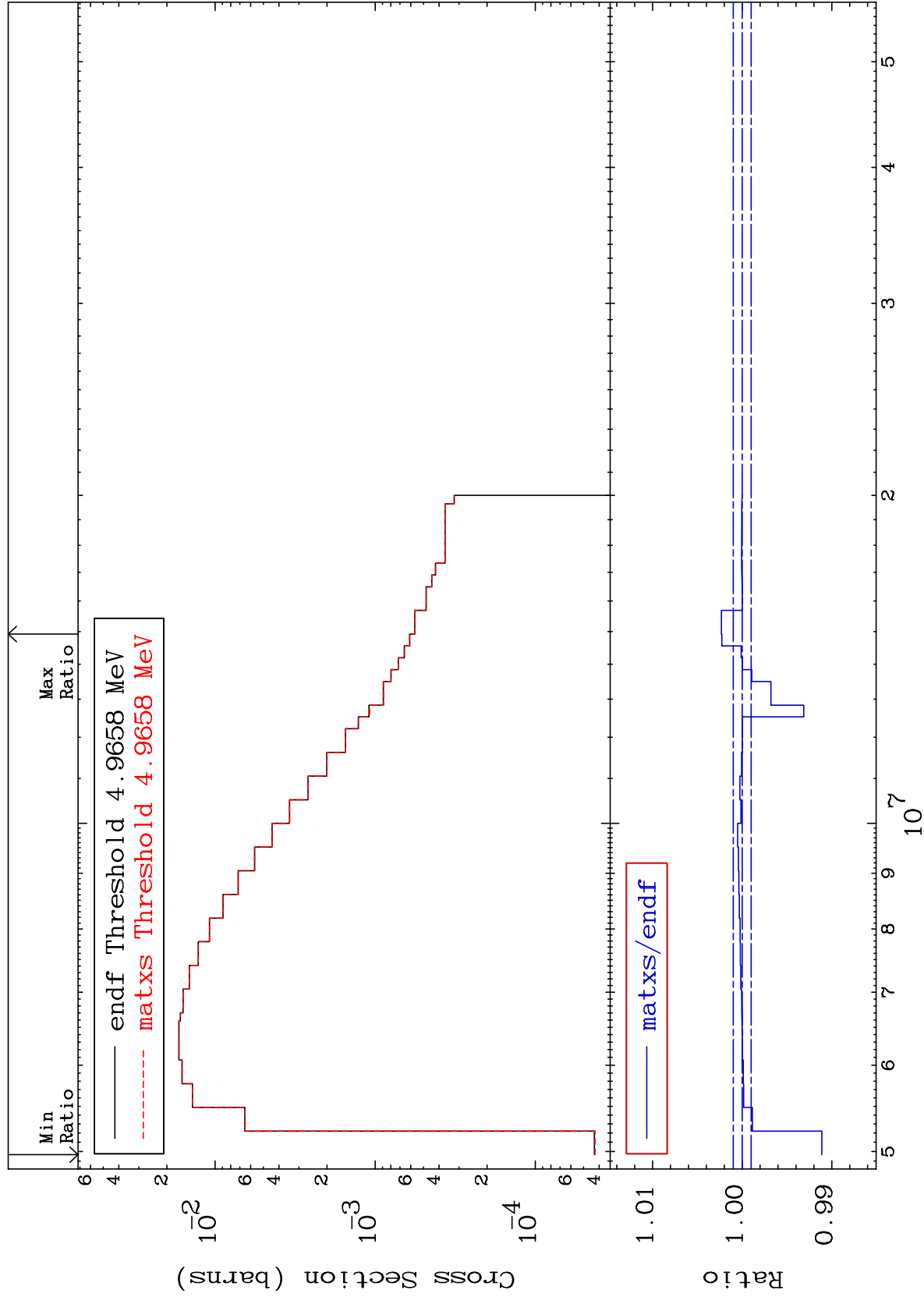
Incident Energy (eV)

20-Ca-42

MAT 2031

5.075 MeV (n,n') Level
Cross Section

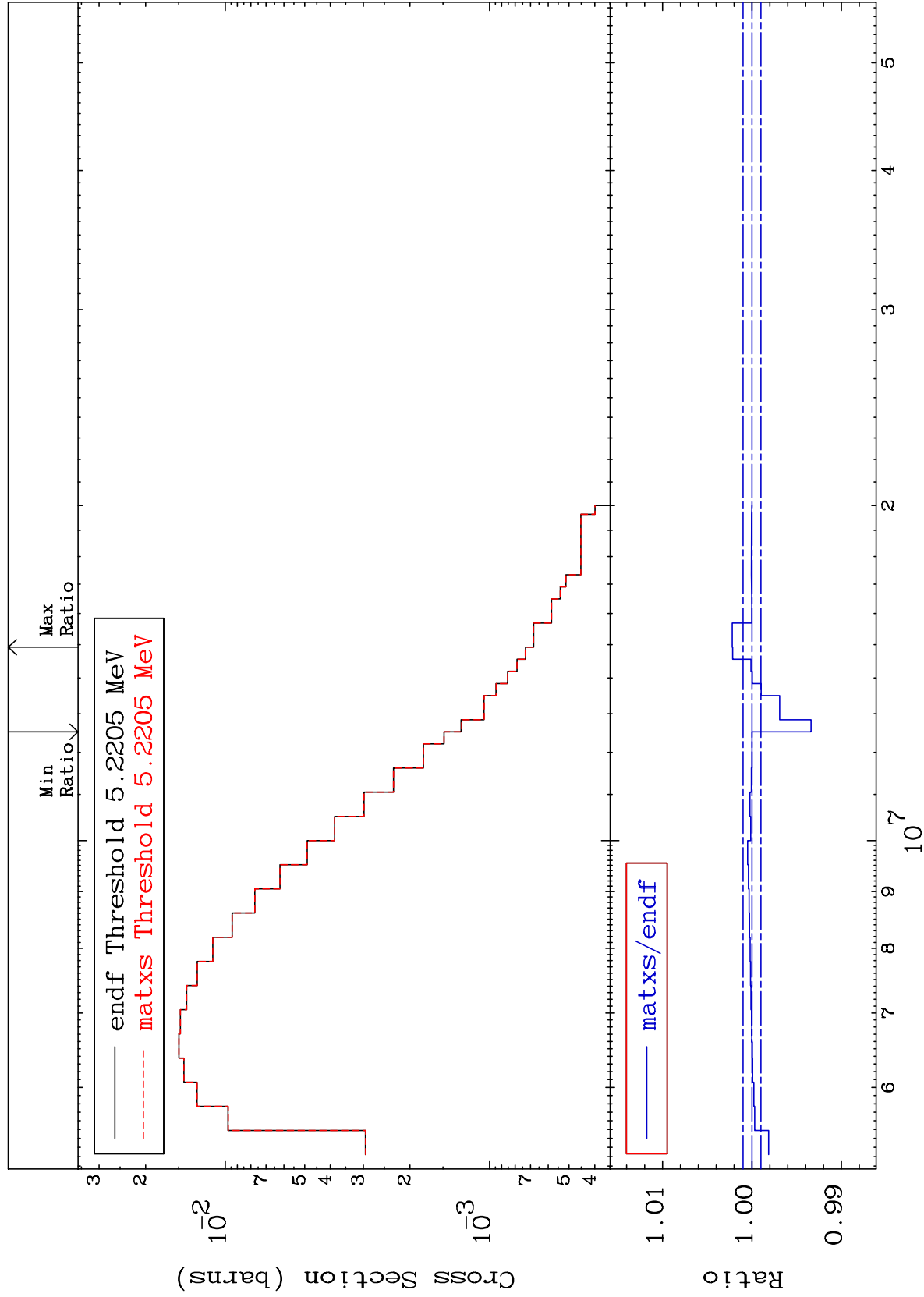
20-Ca-42
-0.889 To 0.232 %



MAT 2031

5.158 MeV (n,n') Level
Cross Section

20-Ca-42
-0.661 To 0.221 %



40

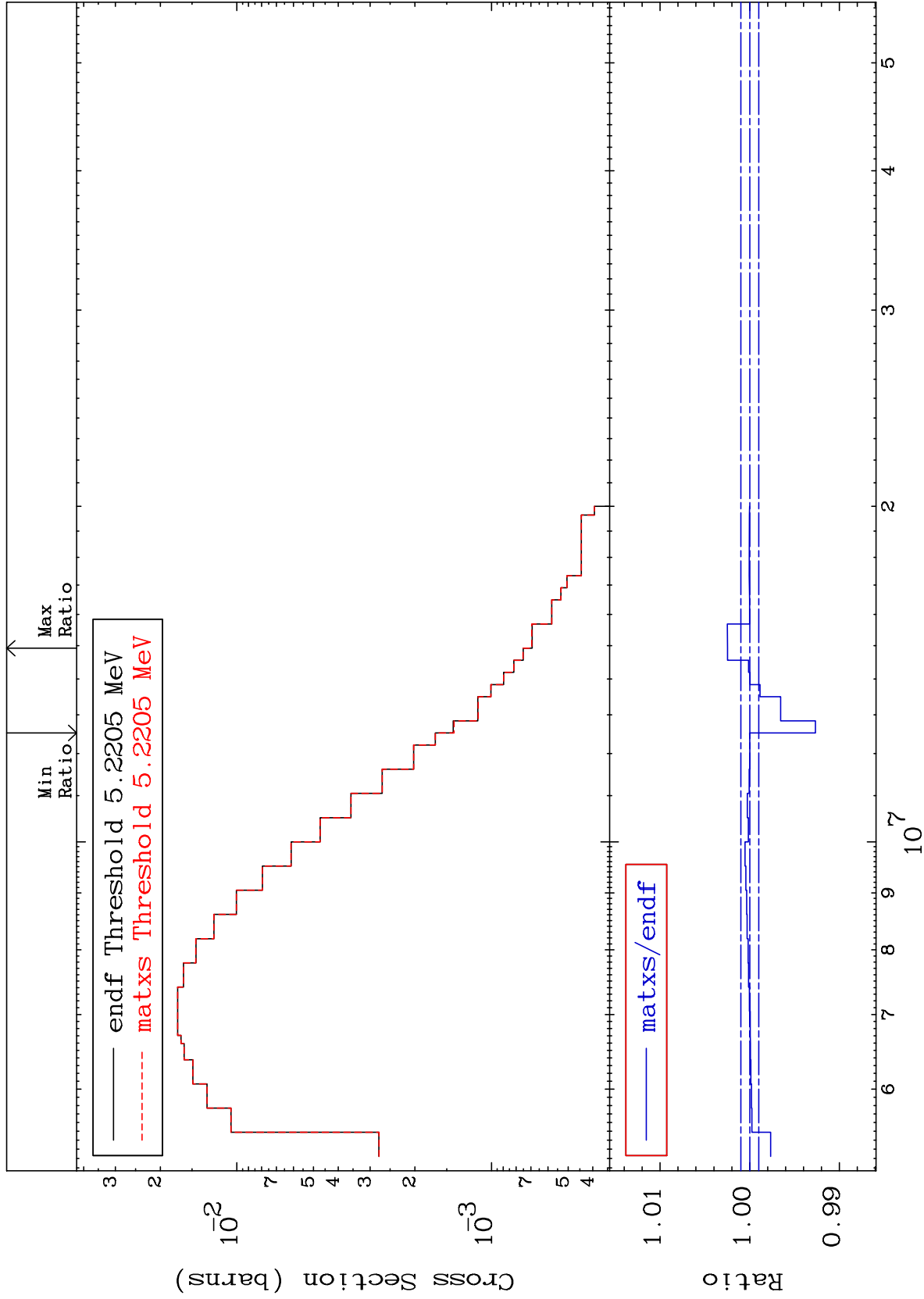
Incident Energy (eV)

20-Ca-42

MAT 2031

5.188 MeV (n,n') Level
Cross Section

20-Ca-42
-0.733 To 0.251 %



41

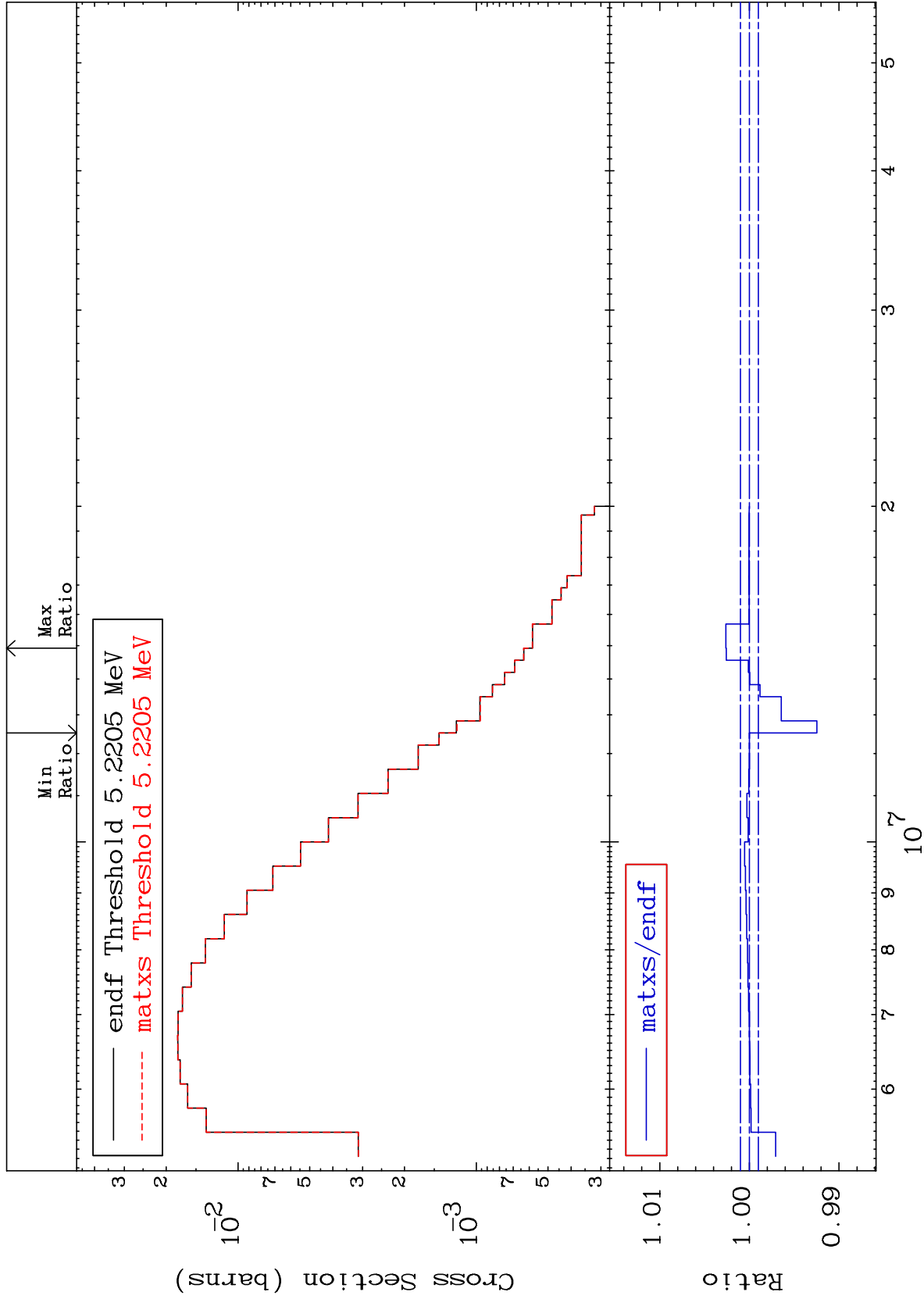
Incident Energy (eV)

20-Ca-42

MAT 2031

5.210 MeV (n,n') Level
Cross Section

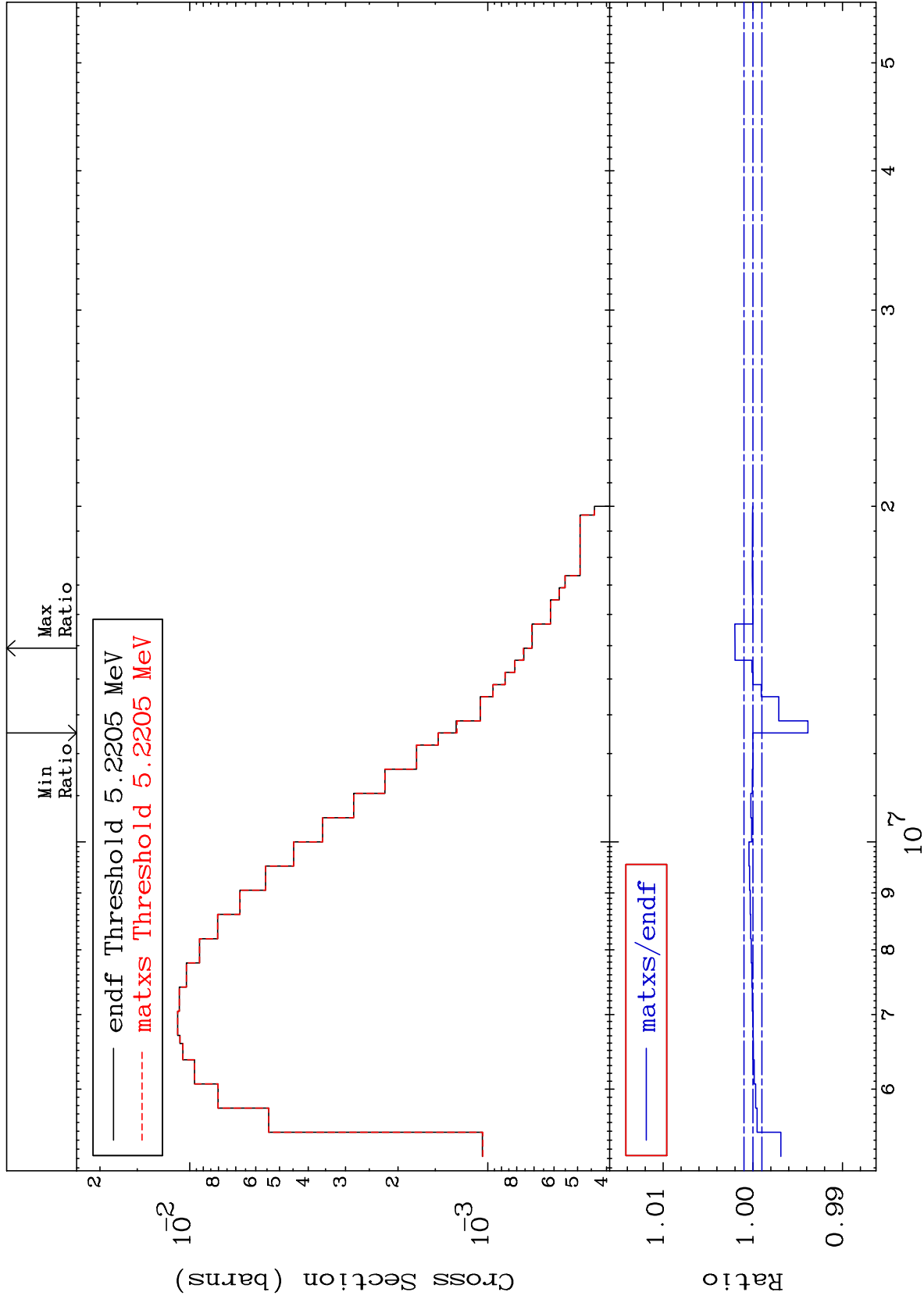
20-Ca-42
-0.753 To 0.263 %



MAT 2031

5.215 MeV (n,n') Level
Cross Section

20-Ca-42
-0.615 To 0.201 %



43

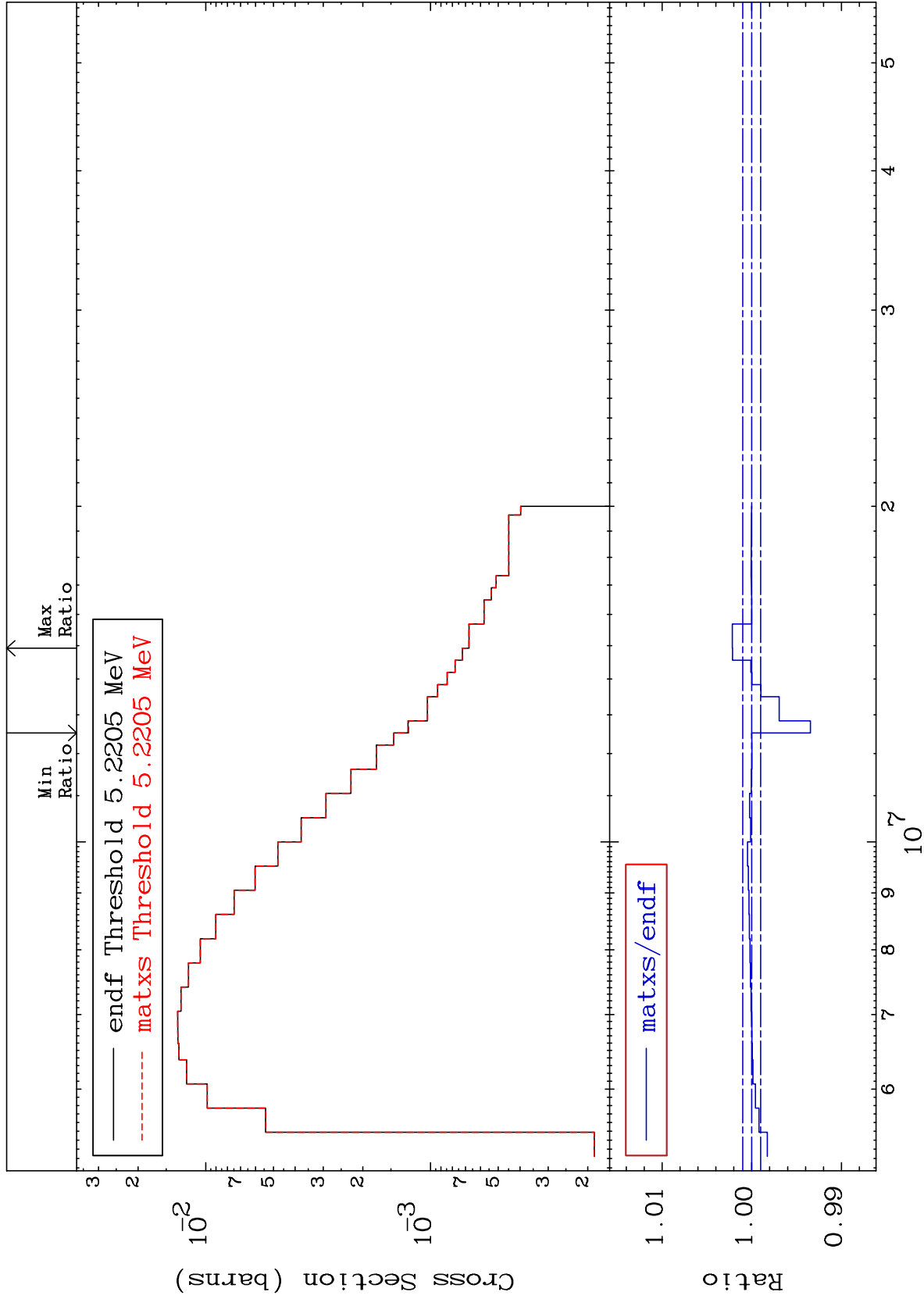
Incident Energy (eV)

20-Ca-42

MAT 2031

5.320 MeV (n,n') Level
Cross Section

20-Ca-42
-0.655 To 0.217 %



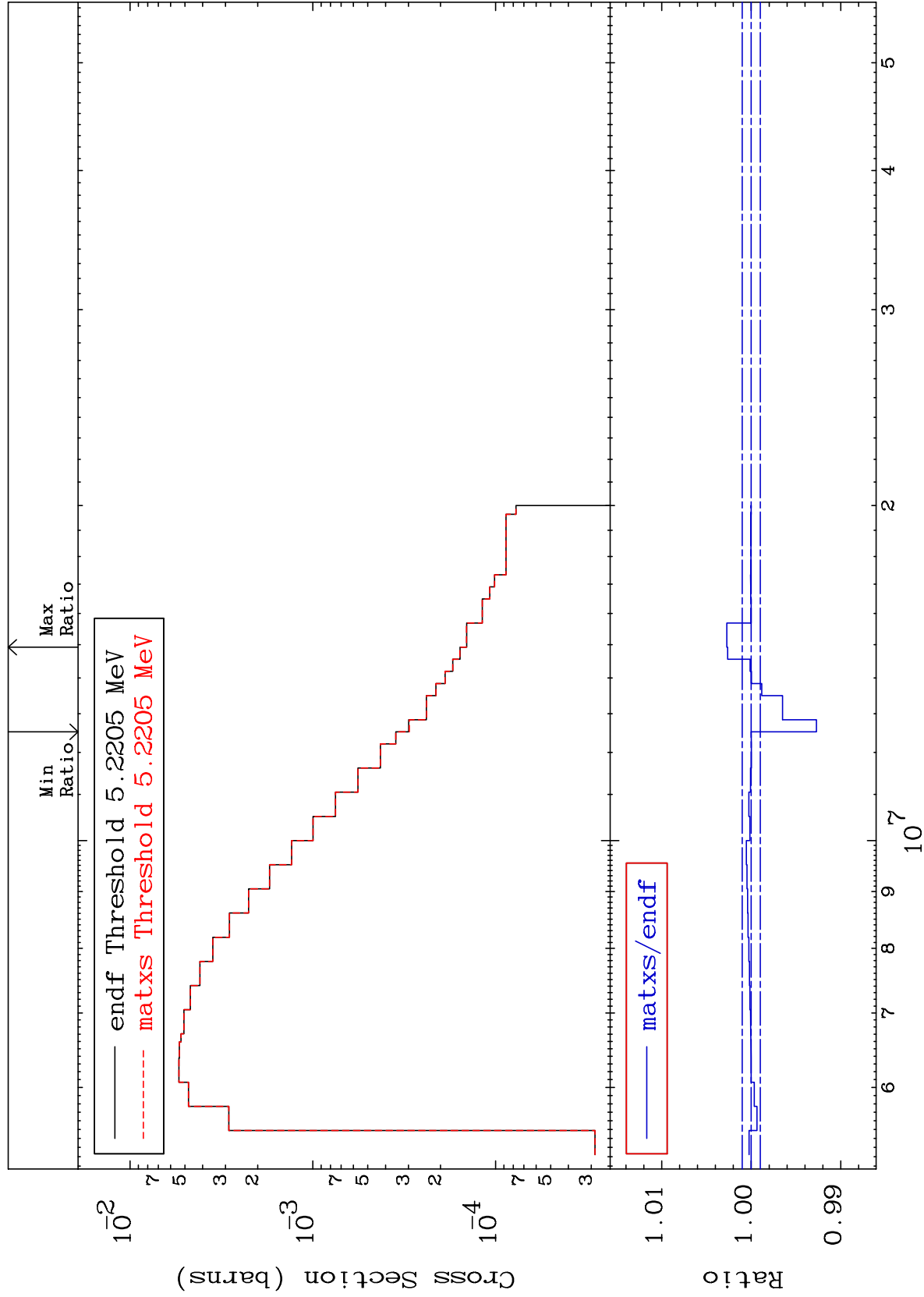
44

20-Ca-42

MAT 2031

5.345 MeV (n,n') Level
Cross Section

20-Ca-42
-0.729 To 0.272 %



45

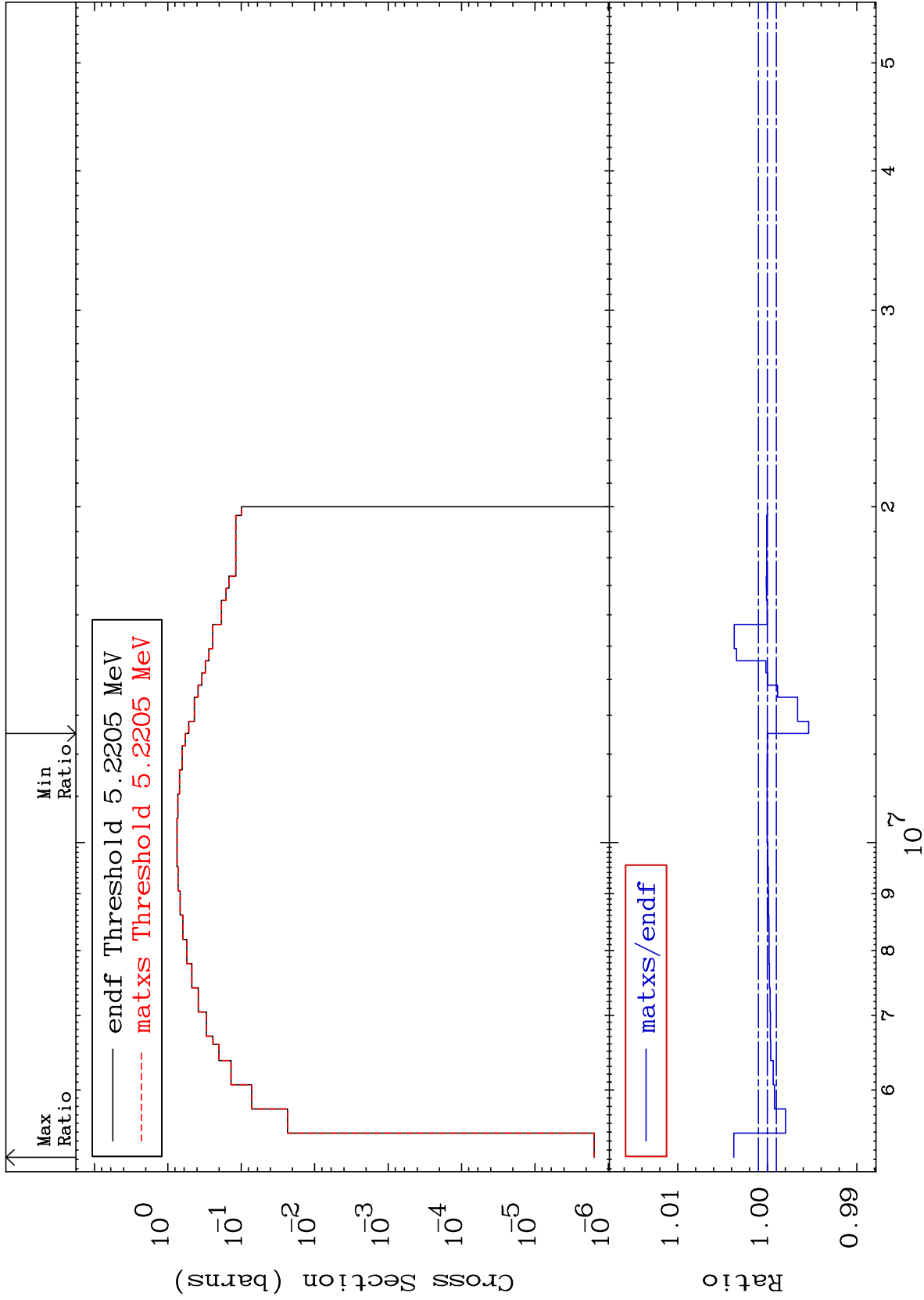
20-Ca-42

Incident Energy (eV)

MAT 2031

(n,n') Continuum
Cross Section

20-Ca-42
-0.462 To 0.375 %



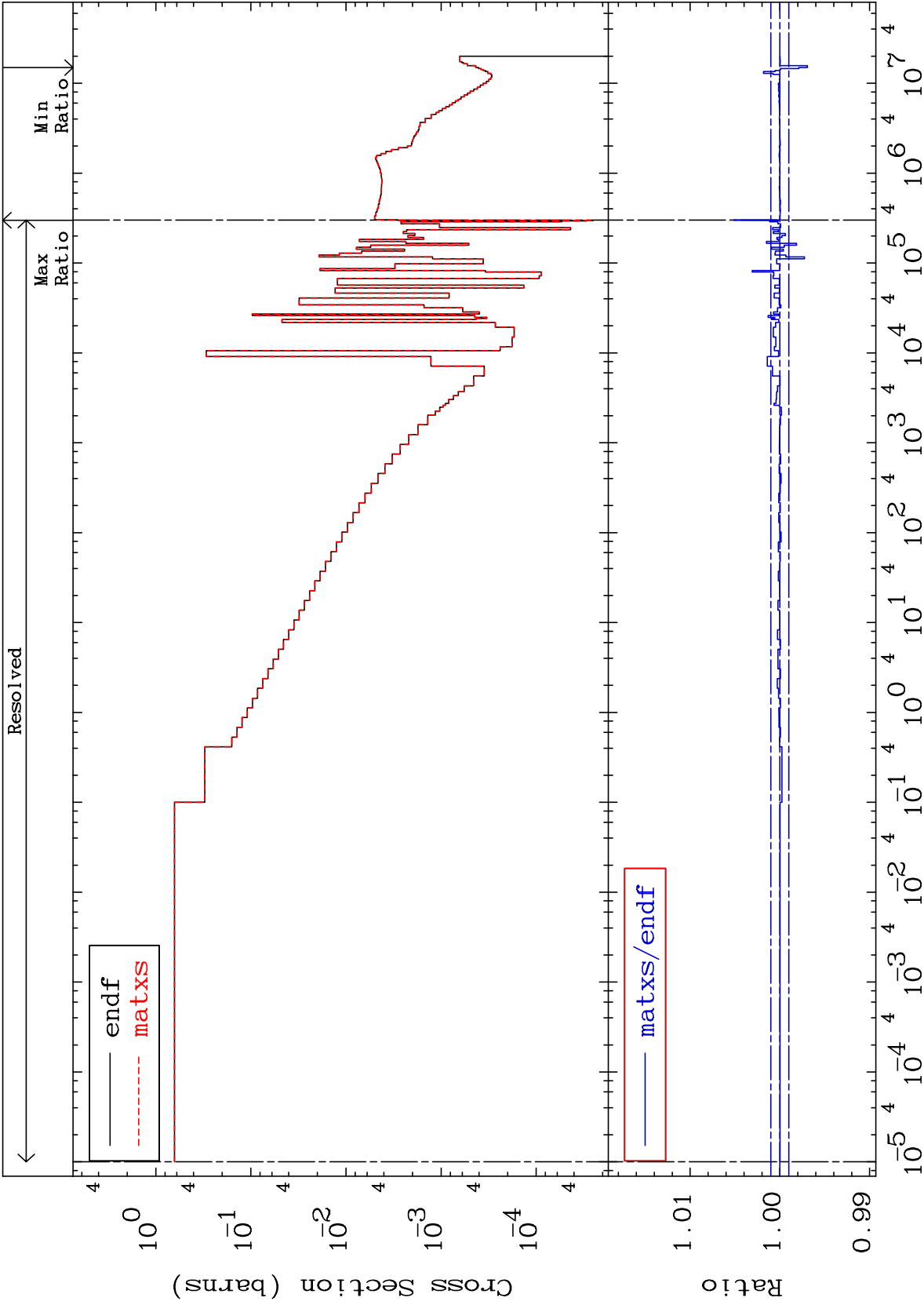
MAT 2031

(n, γ)

20-Ca-42

Cross Section

-0.307 To 0.511 %



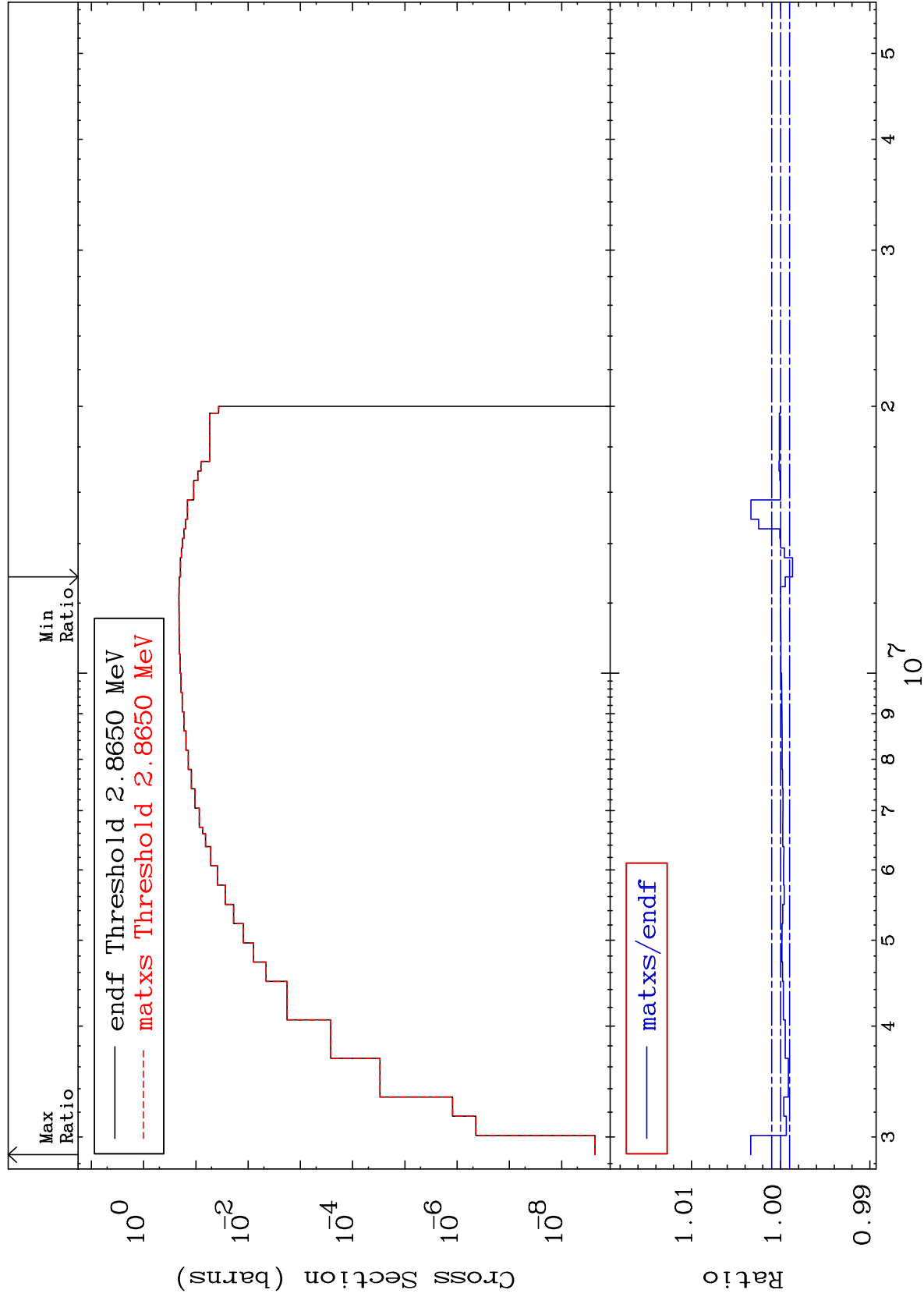
MAT 2031

(n,p)

20-Ca-42

Cross Section

-0.133 To 0.336 %



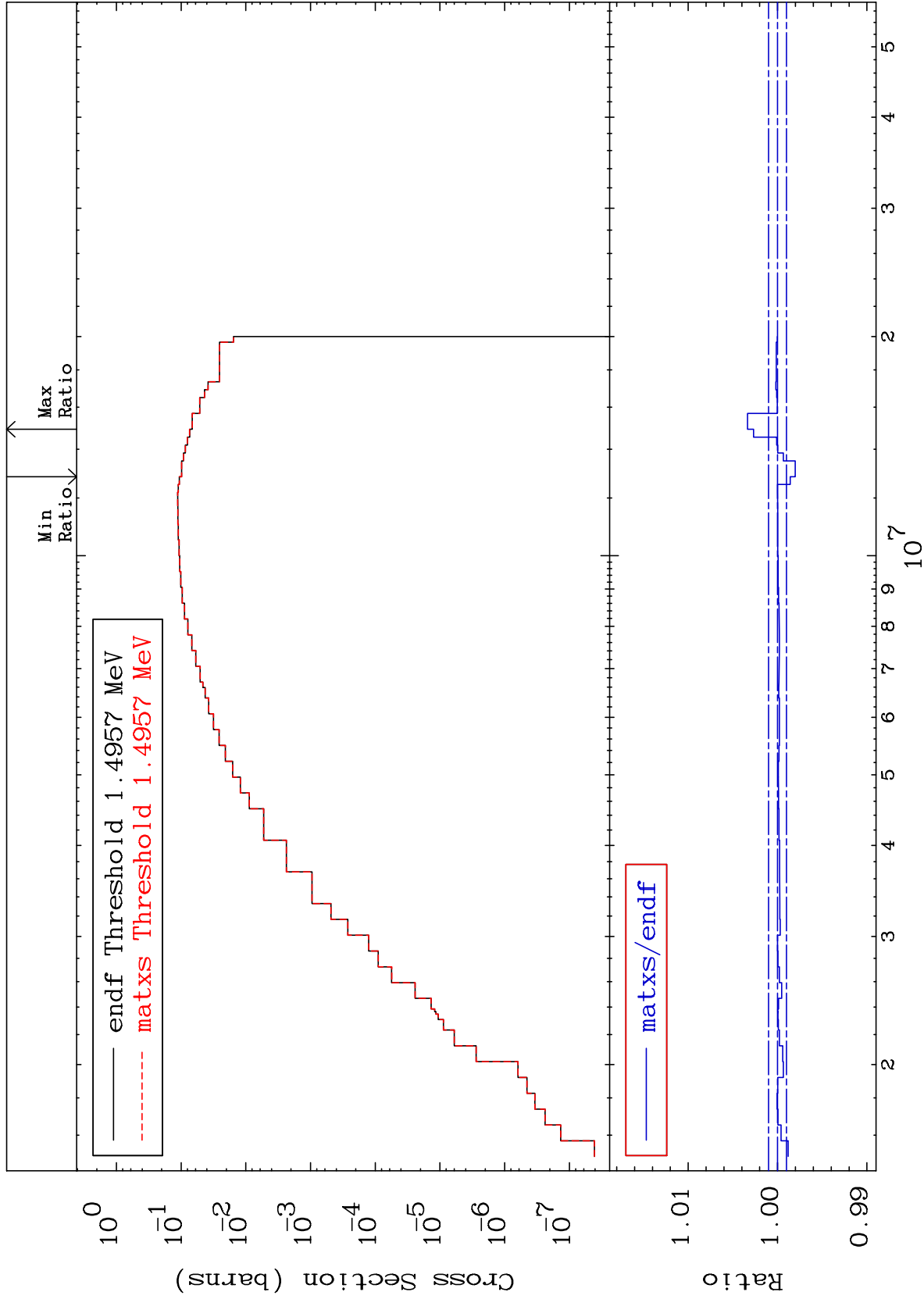
MAT 2031

(n, α)

20-Ca-42

Cross Section

-0.197 To 0.336 %



49

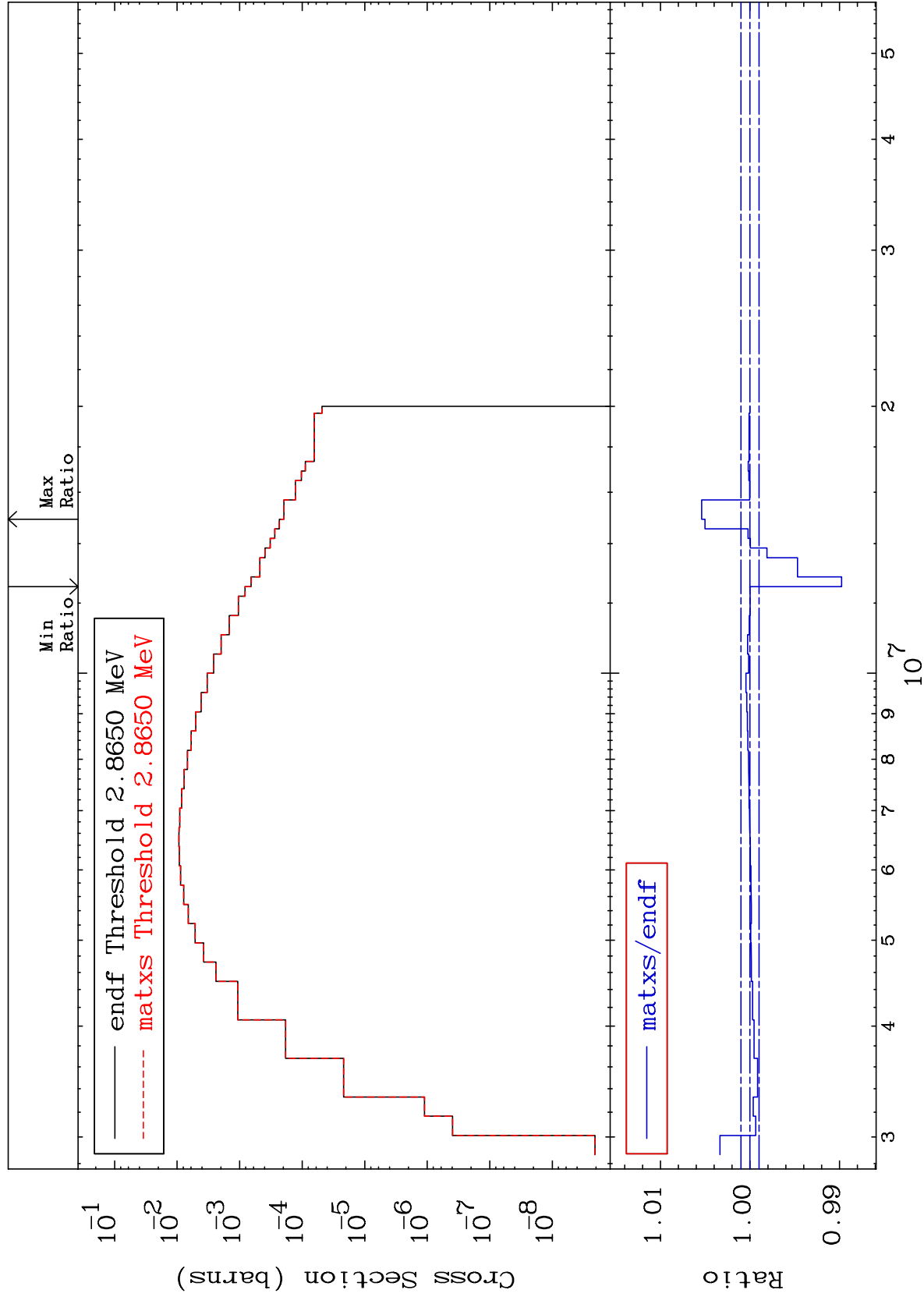
Incident Energy (eV)

20-Ca-42

MAT 2031

(n, p') Ground
Cross Section

20-Ca-42
-1.023 To 0.539 %



50

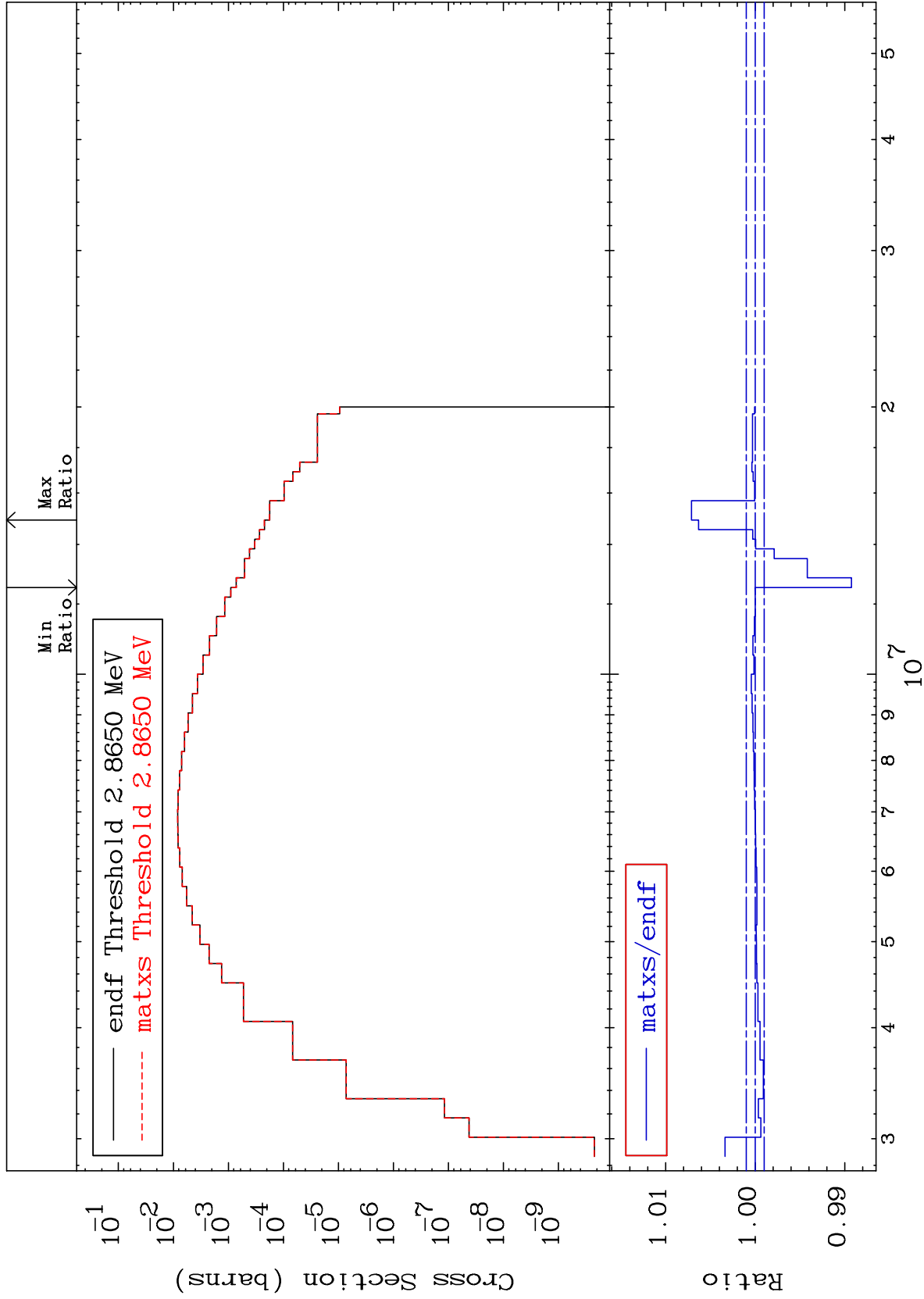
Incident Energy (eV)

20-Ca-42

MAT 2031

106.8 keV (n,p') Level
Cross Section

20-Ca-42
-1.073 To 0.711 %



51

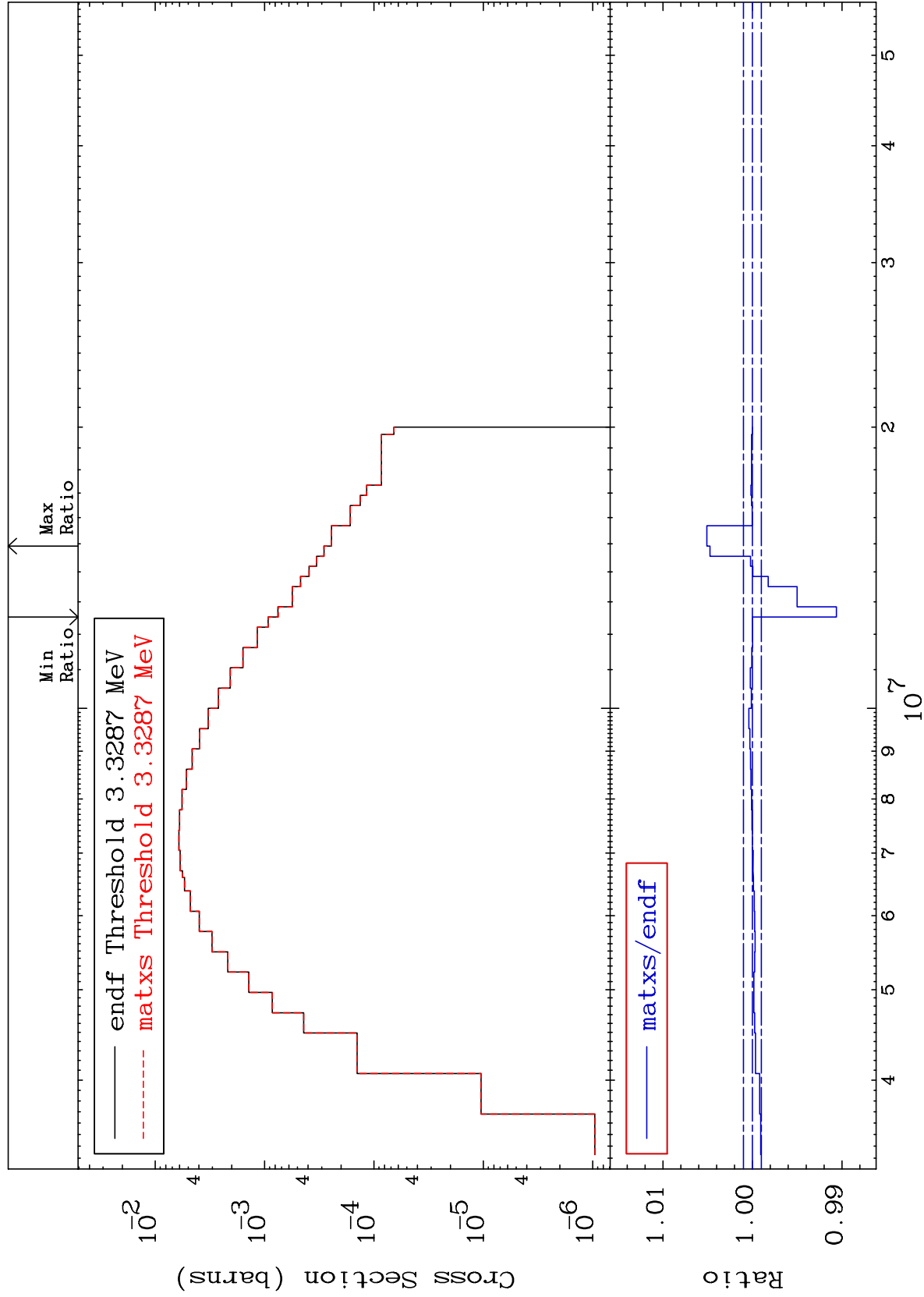
Incident Energy (eV)

20-Ca-42

MAT 2031

258.3 keV (n,p') Level
Cross Section

20-Ca-42
-0.938 To 0.509 %



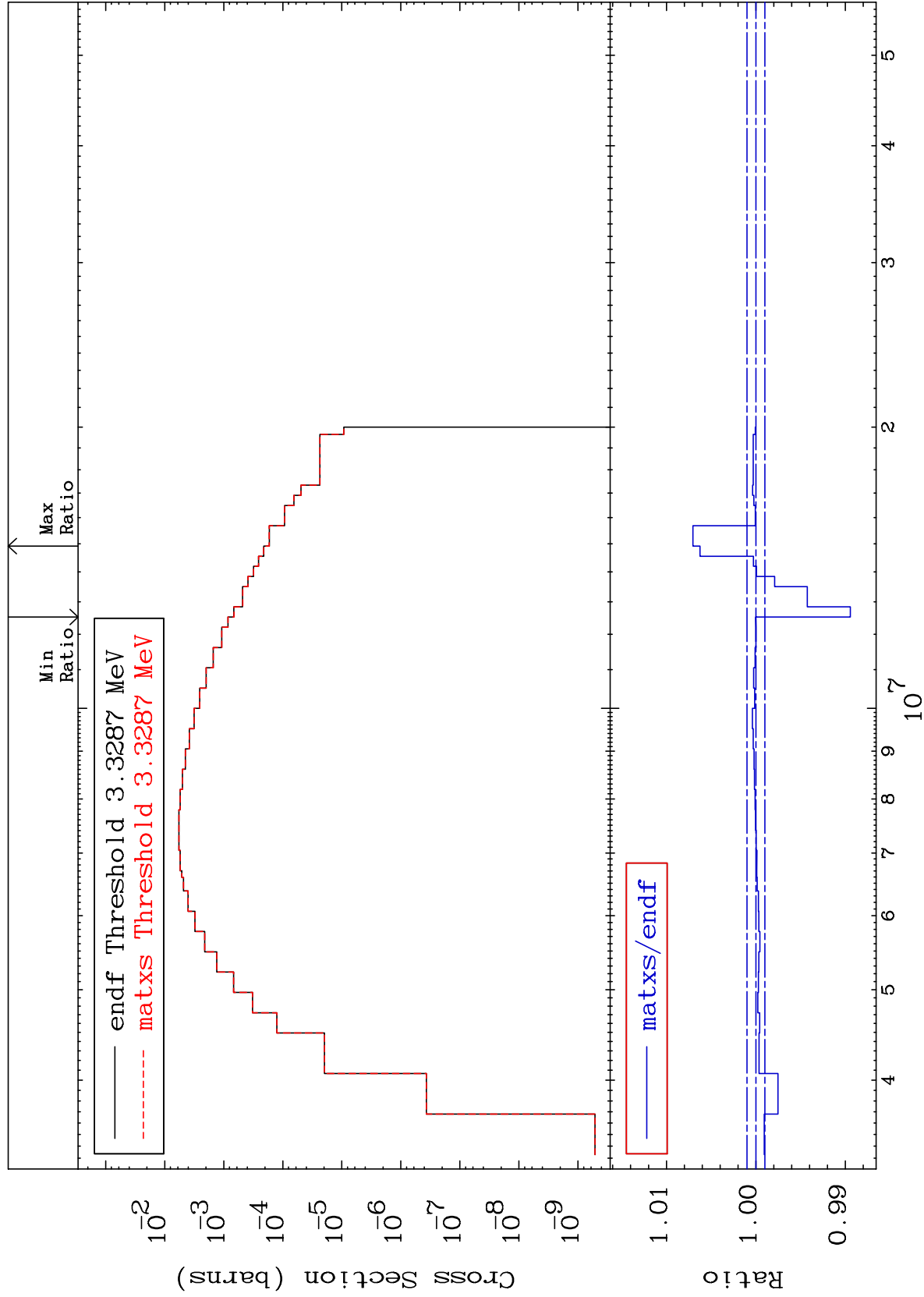
52

20-Ca-42

MAT 2031

638.7 keV (n,p') Level
Cross Section

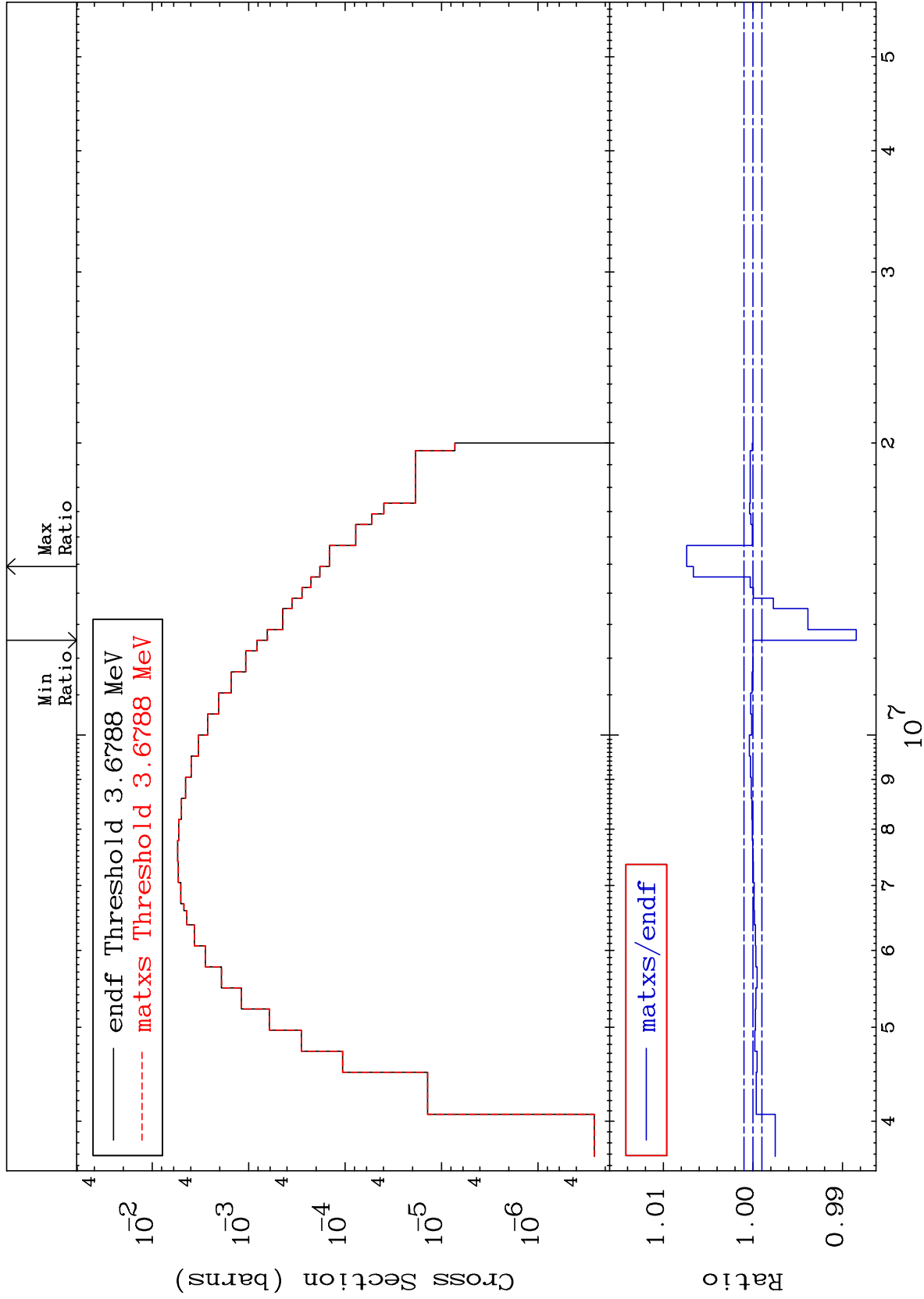
20-Ca-42
-1.056 To 0.703 %



MAT 2031

681.9 keV (n,p') Level
Cross Section

20-Ca-42
-1.152 To 0.740 %



54

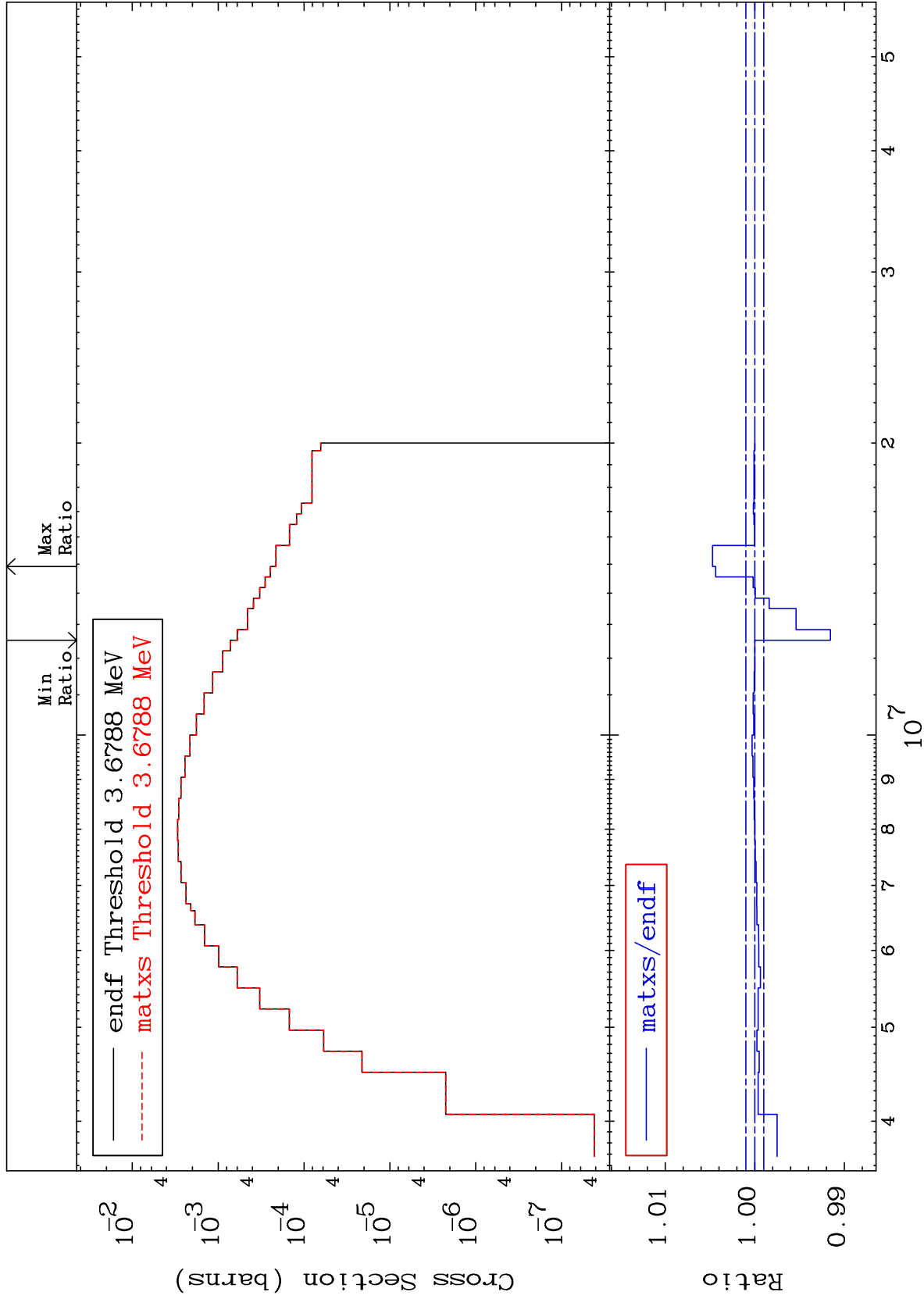
Incident Energy (eV)

20-Ca-42

MAT 2031

699.1 keV (n,p') Level
Cross Section

20-Ca-42
-0.843 To 0.473 %



55

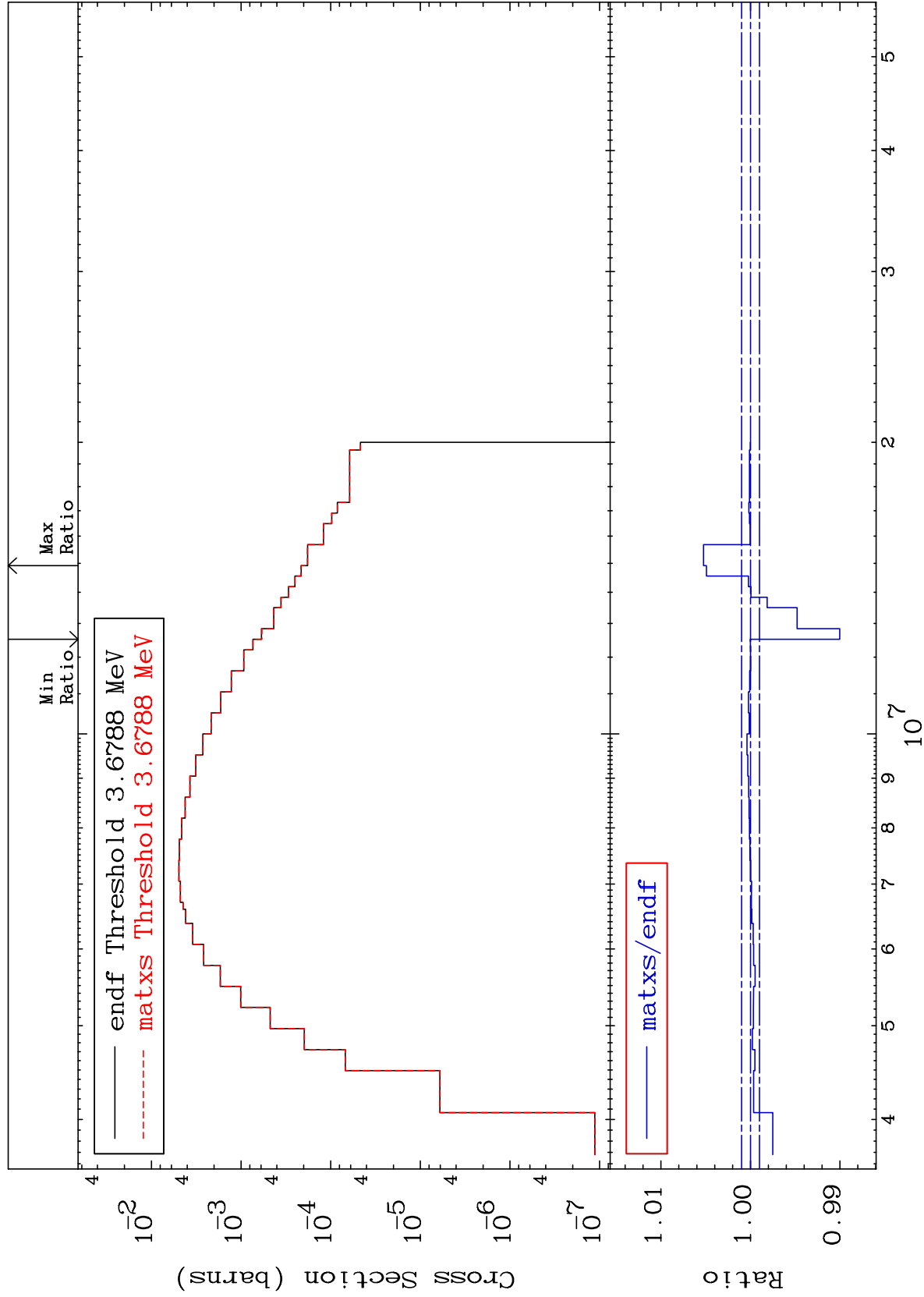
Incident Energy (eV)

20-Ca-42

MAT 2031

783.9 keV (n,p') Level
Cross Section

20-Ca-42
-0.997 To 0.524 %



56

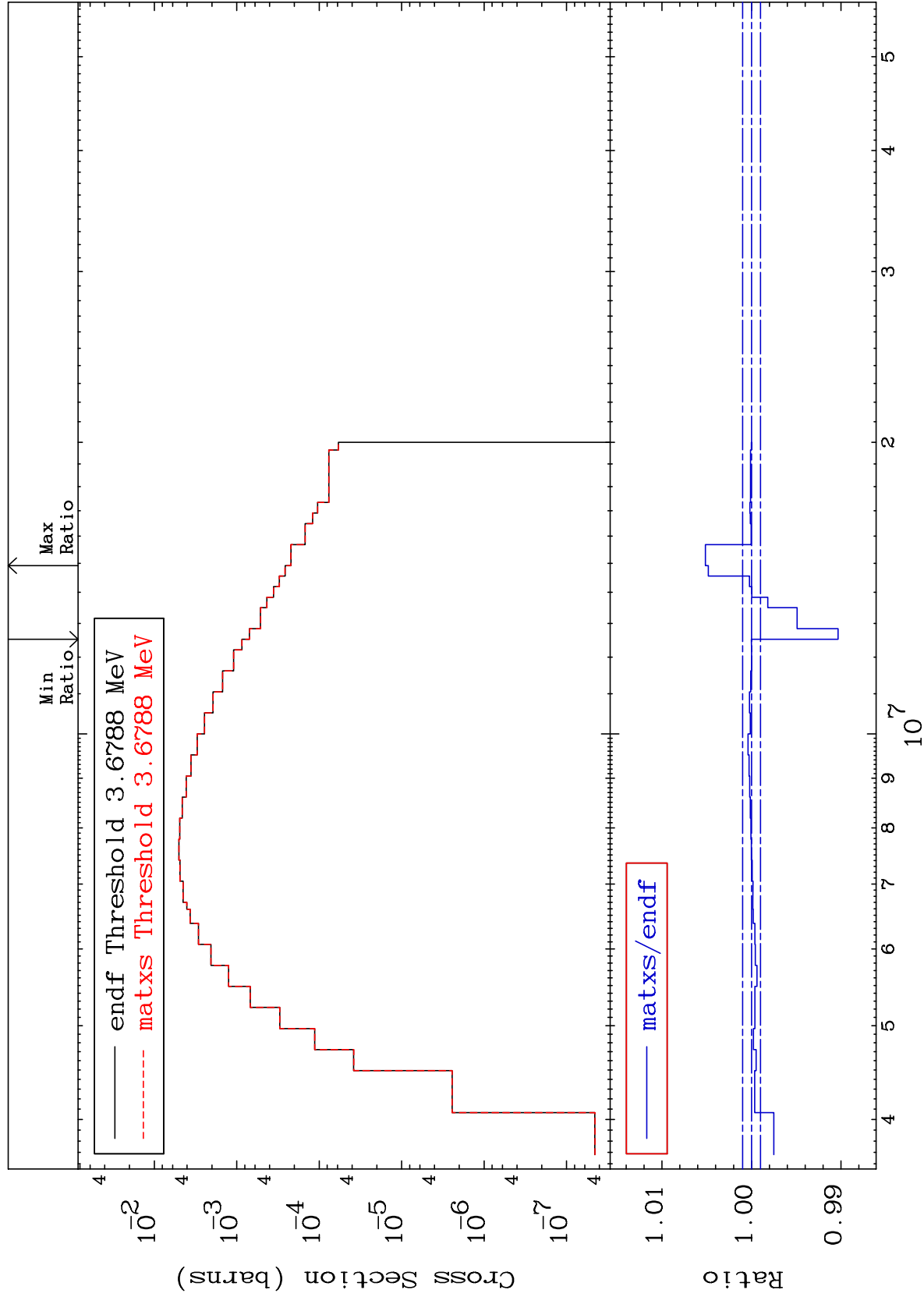
Incident Energy (eV)

20-Ca-42

MAT 2031

841.9 keV (n,p') Level
Cross Section

20-Ca-42
-0.967 To 0.516 %



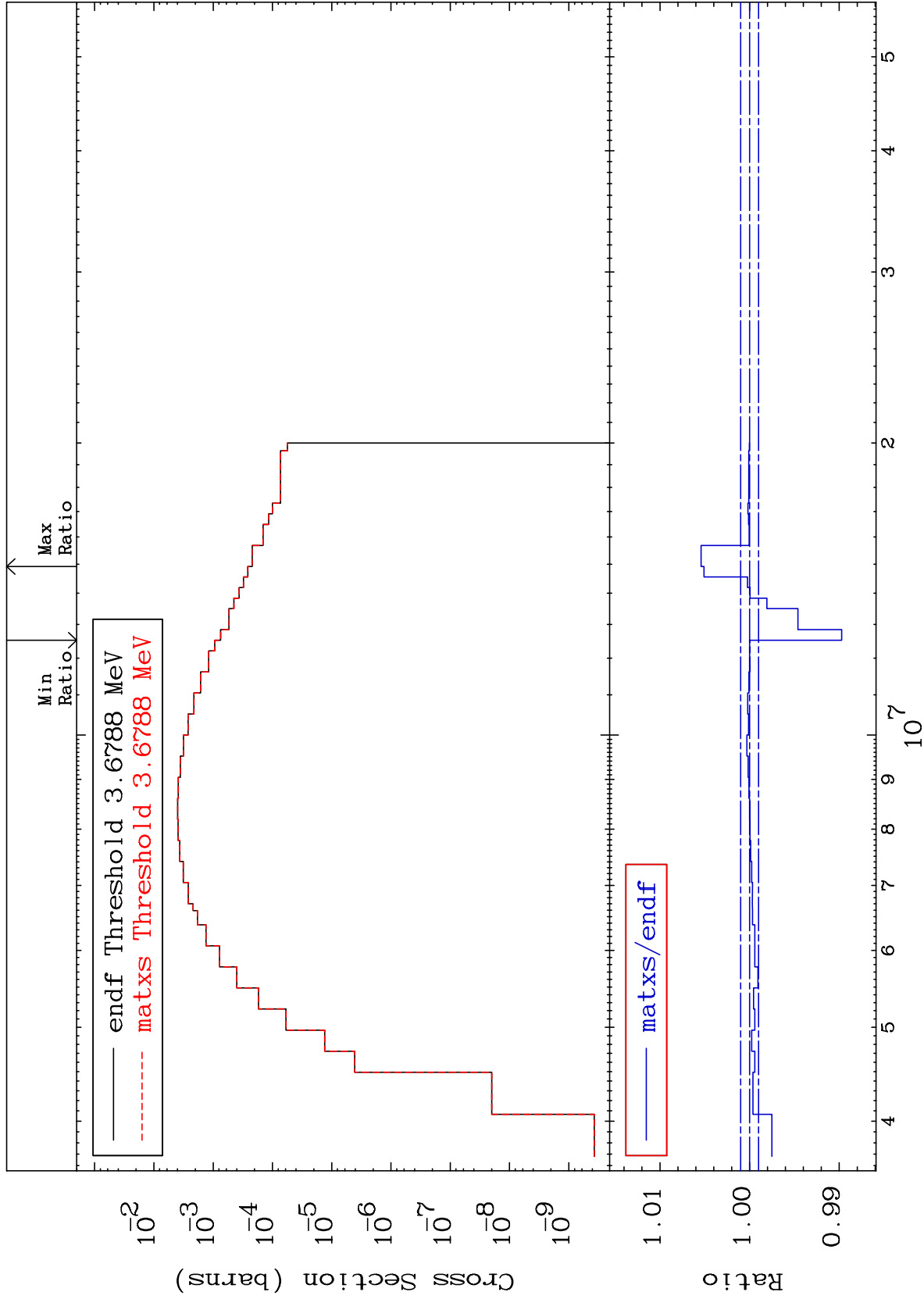
57

20-Ca-42

MAT 2031

1.111 MeV (n,p') Level
Cross Section

20-Ca-42
-1.027 To 0.541 %



58

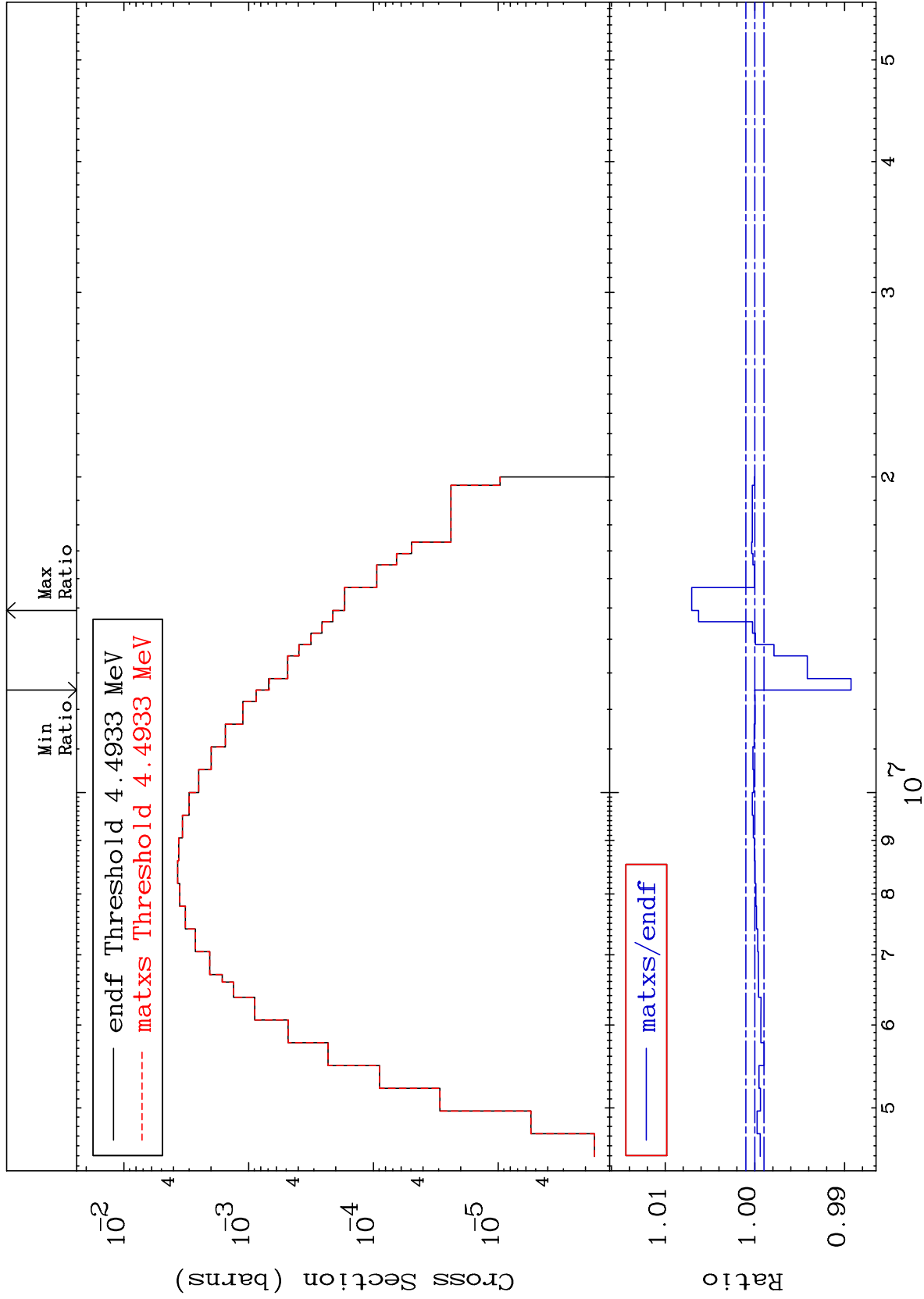
Incident Energy (eV)

20-Ca-42

MAT 2031

1.144 MeV (n,p') Level
Cross Section

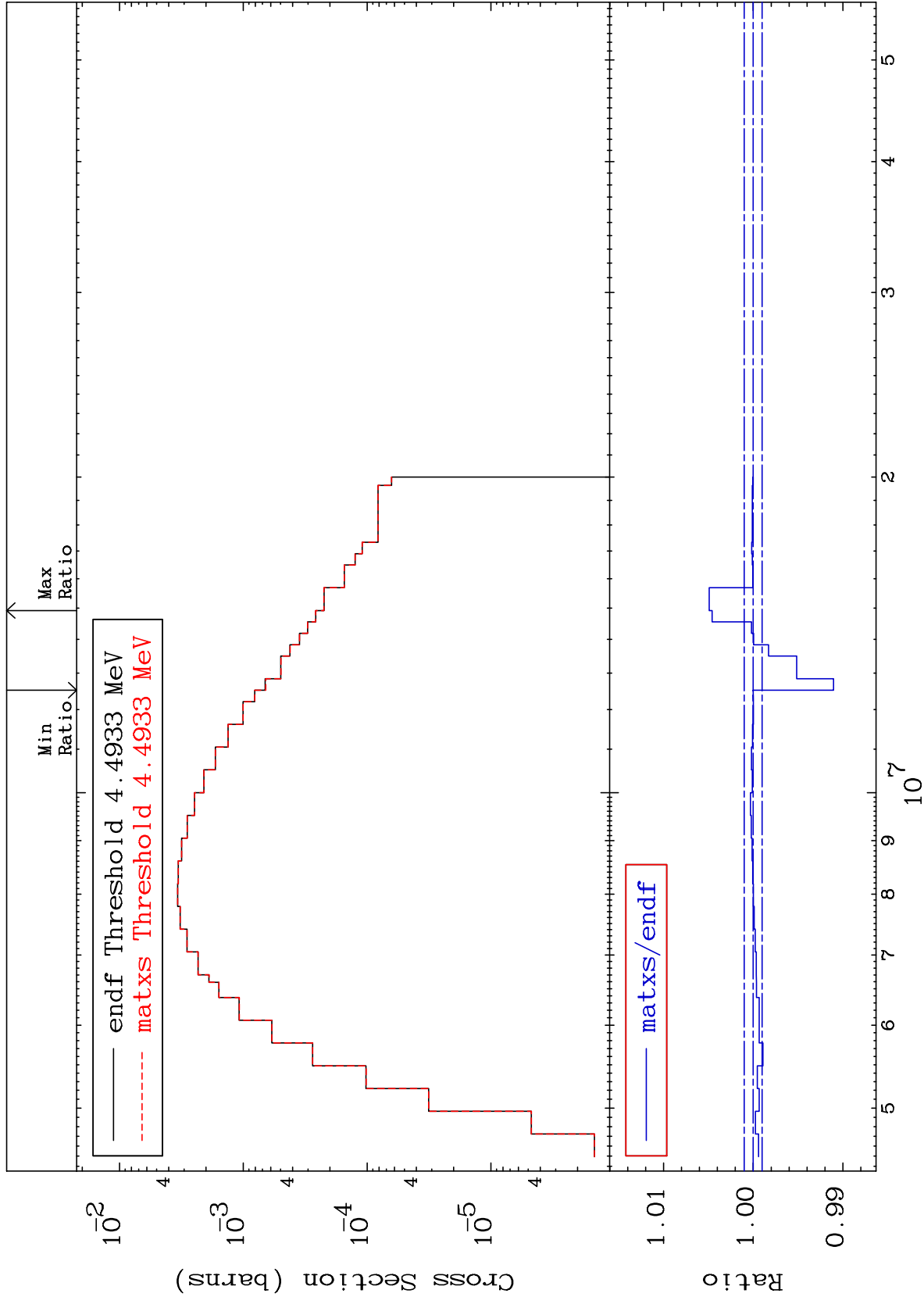
20-Ca-42
-1.073 To 0.705 %



MAT 2031

1.198 MeV (n,p') Level
Cross Section

20-Ca-42
-0.896 To 0.491 %



60

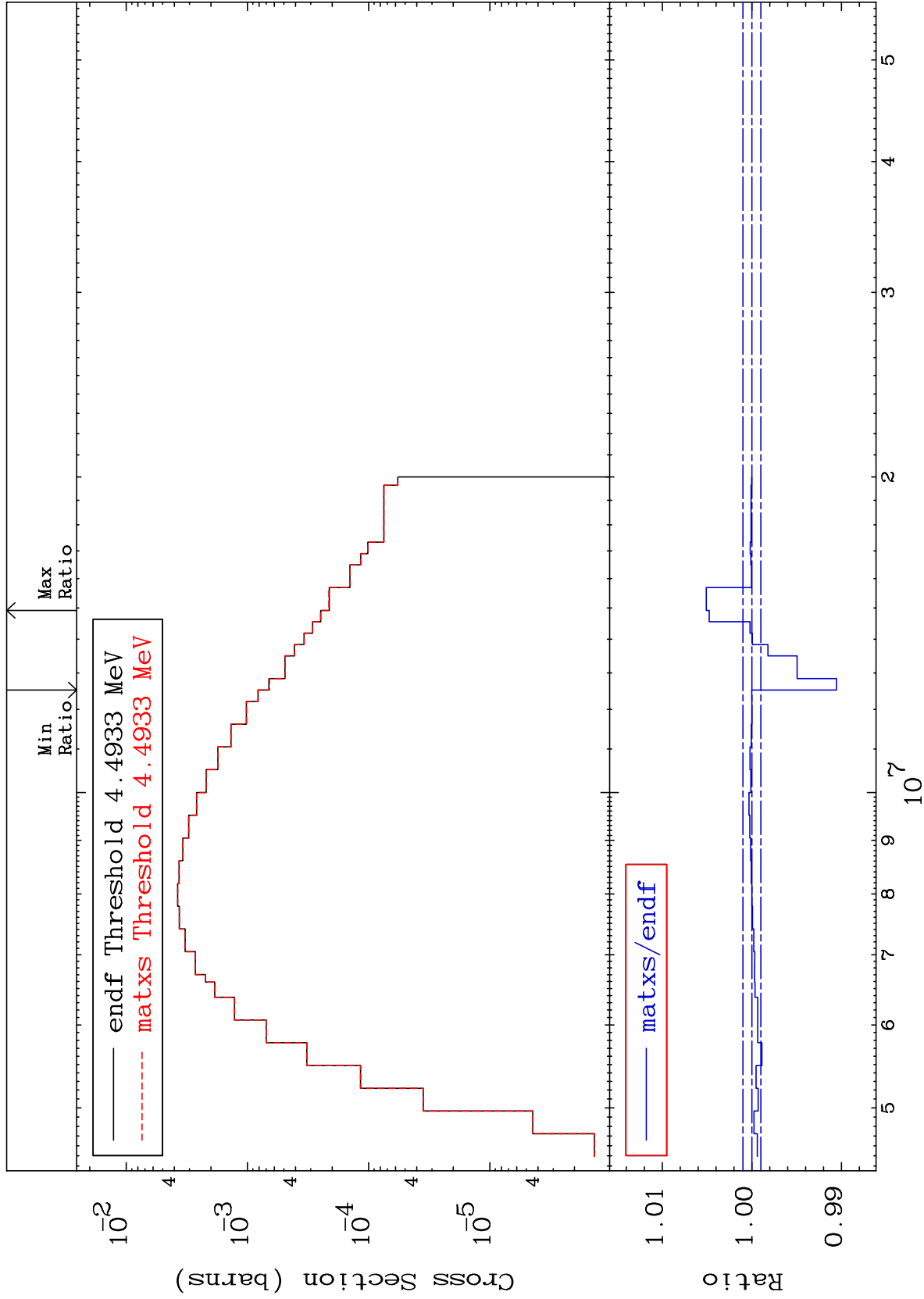
Incident Energy (eV)

20-Ca-42

MAT 2031

1.255 MeV (n,p') Level
Cross Section

20-Ca-42
-0.944 To 0.508 %



61

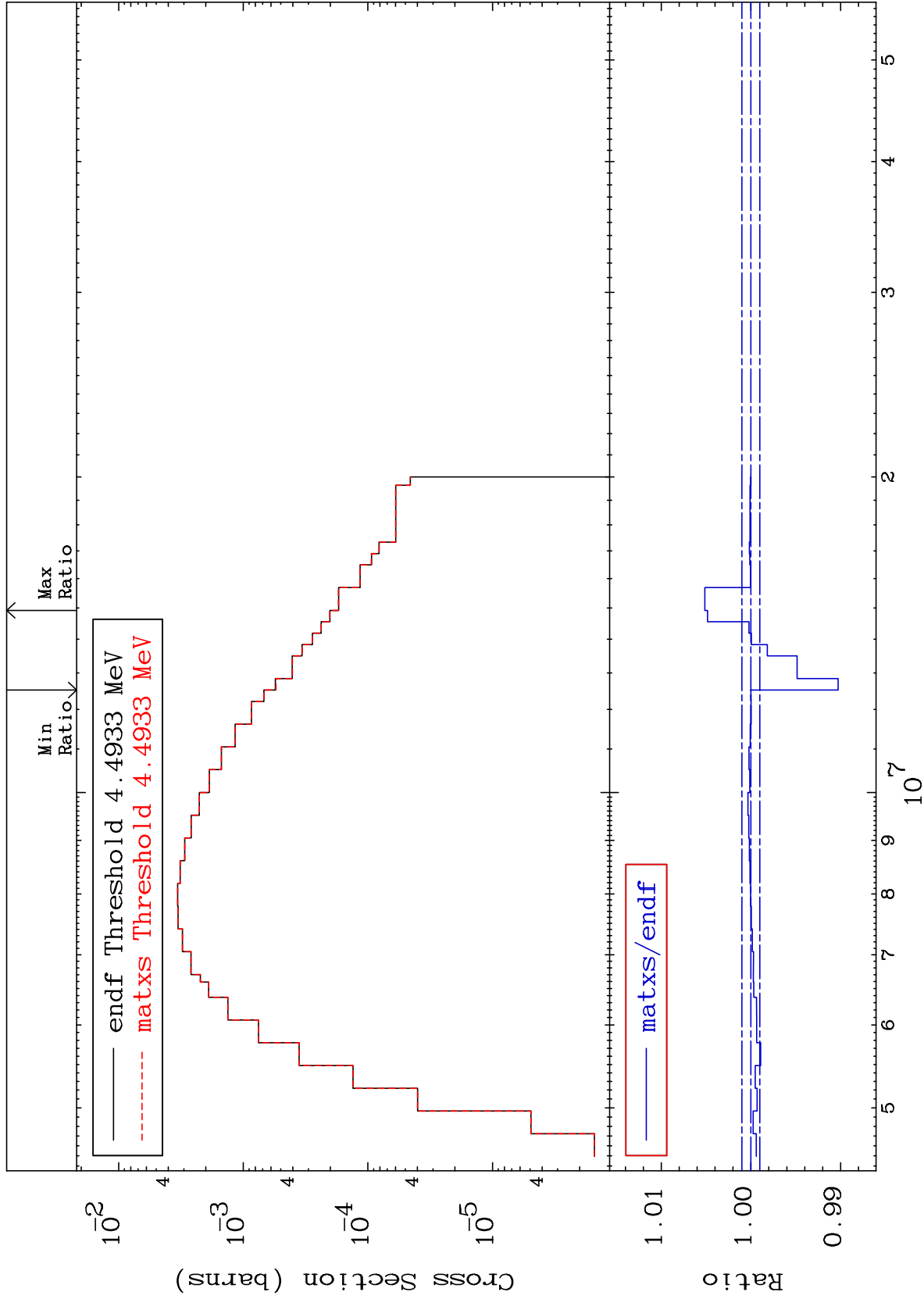
Incident Energy (eV)

20-Ca-42

MAT 2031

1.266 MeV (n,p') Level
Cross Section

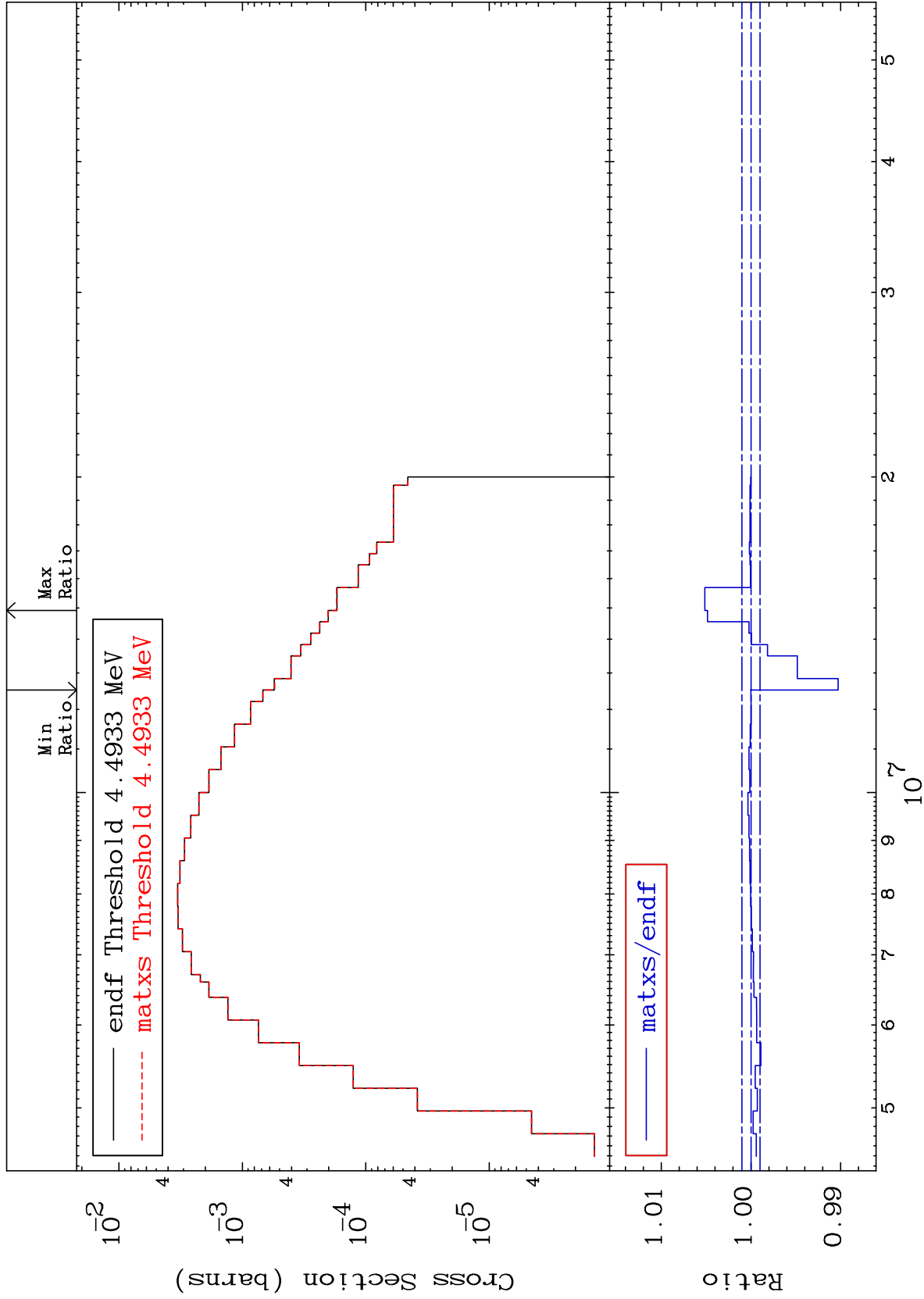
20-Ca-42
-0.972 To 0.515 %



MAT 2031

1.273 MeV (n,p') Level
Cross Section

20-Ca-42
-0.972 To 0.516 %



63

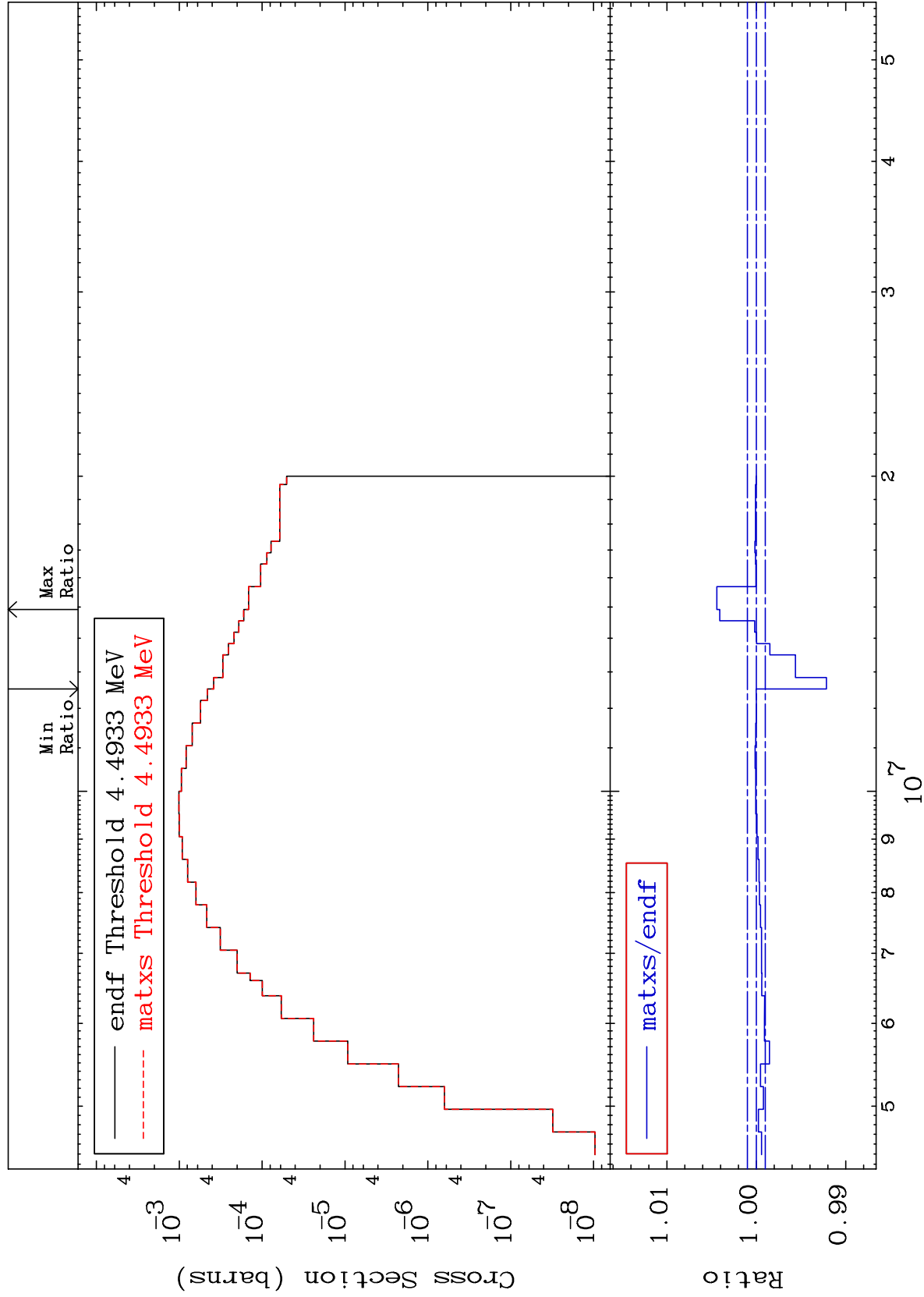
Incident Energy (eV)

20-Ca-42

MAT 2031

1.376 MeV (n,p') Level
Cross Section

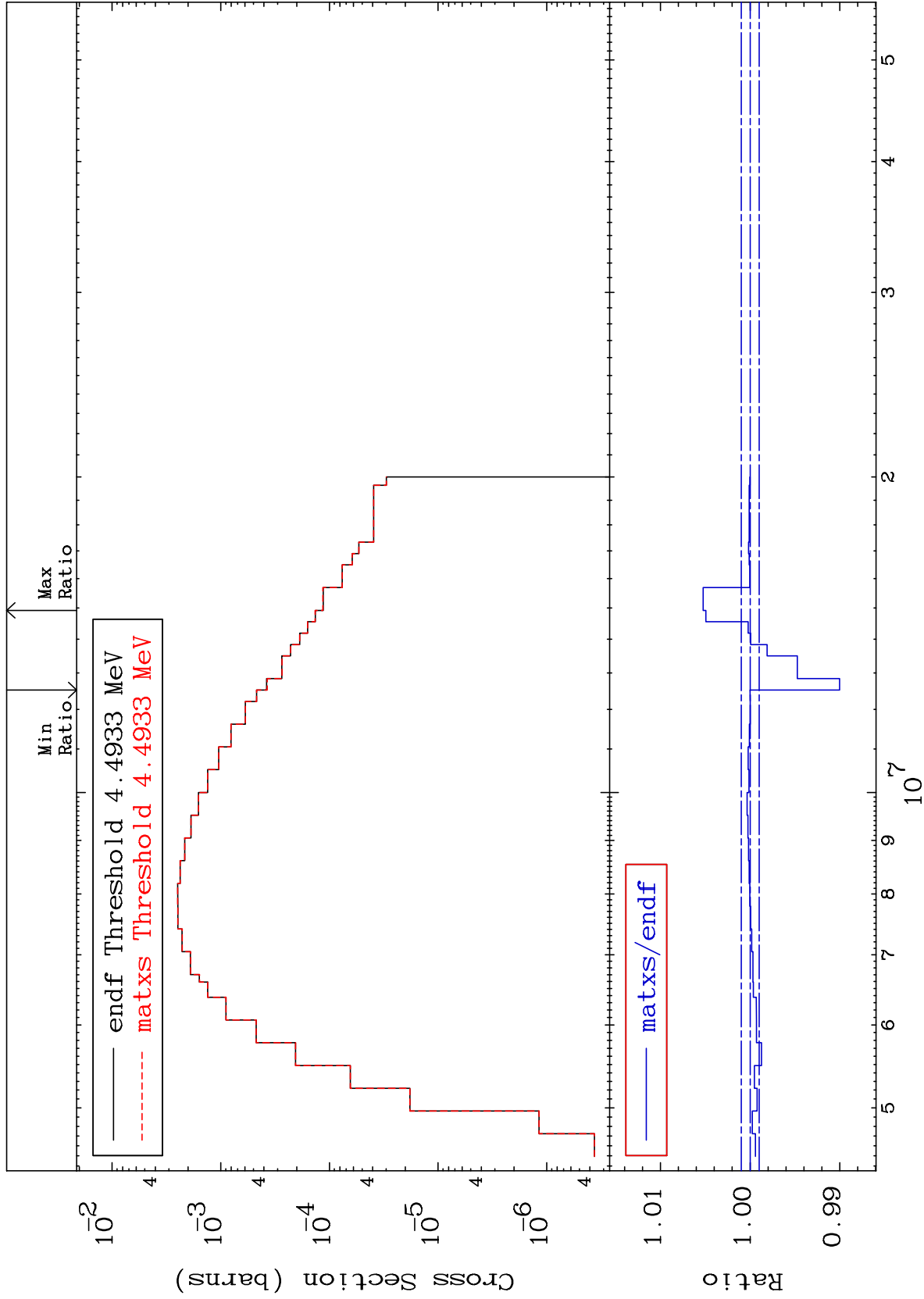
20-Ca-42
-0.784 To 0.440 %



MAT 2031

1.377 MeV (n,p') Level
Cross Section

20-Ca-42
-0.998 To 0.523 %



65

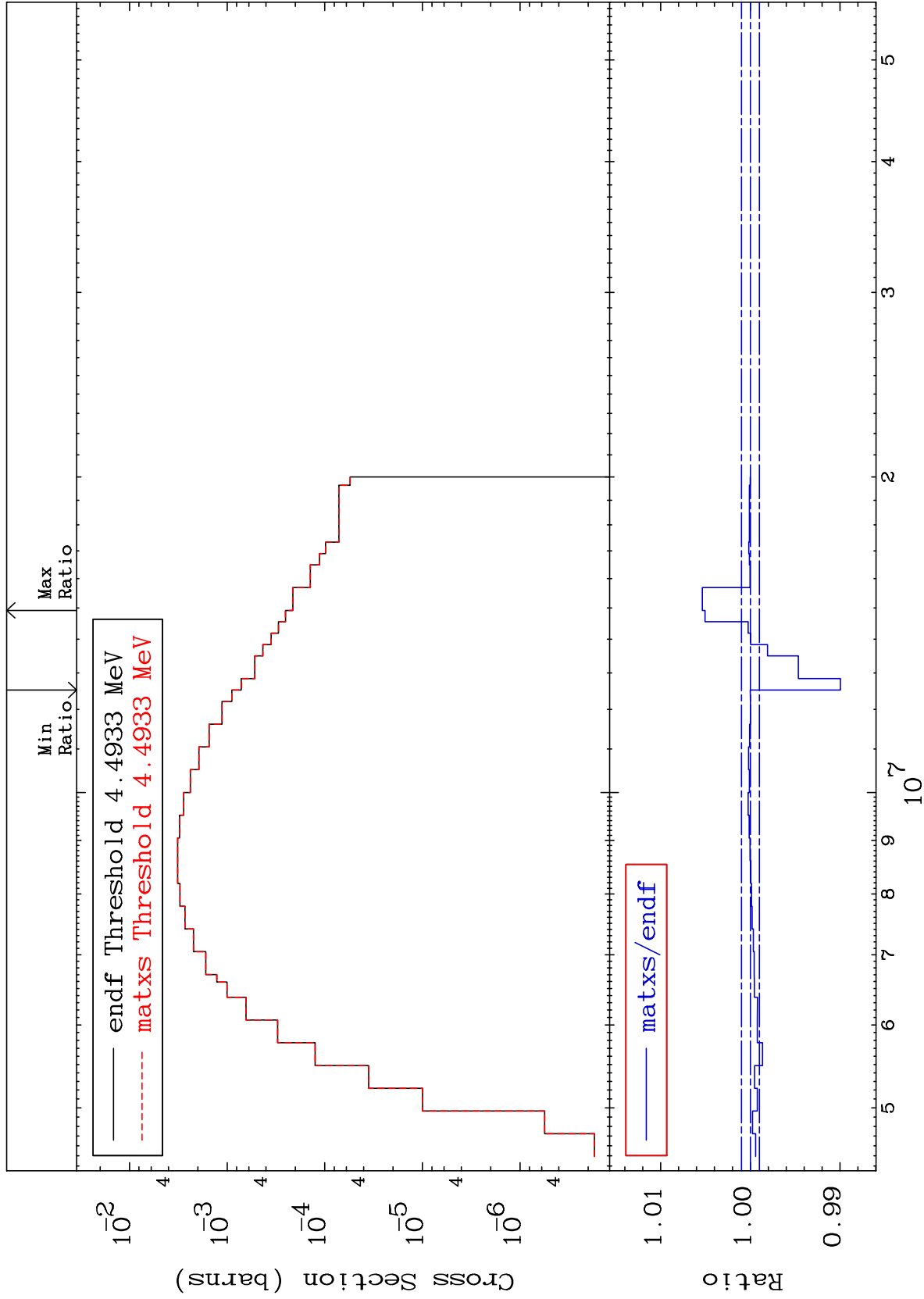
Incident Energy (eV)

20-Ca-42

MAT 2031

1.400 MeV (n,p') Level
Cross Section

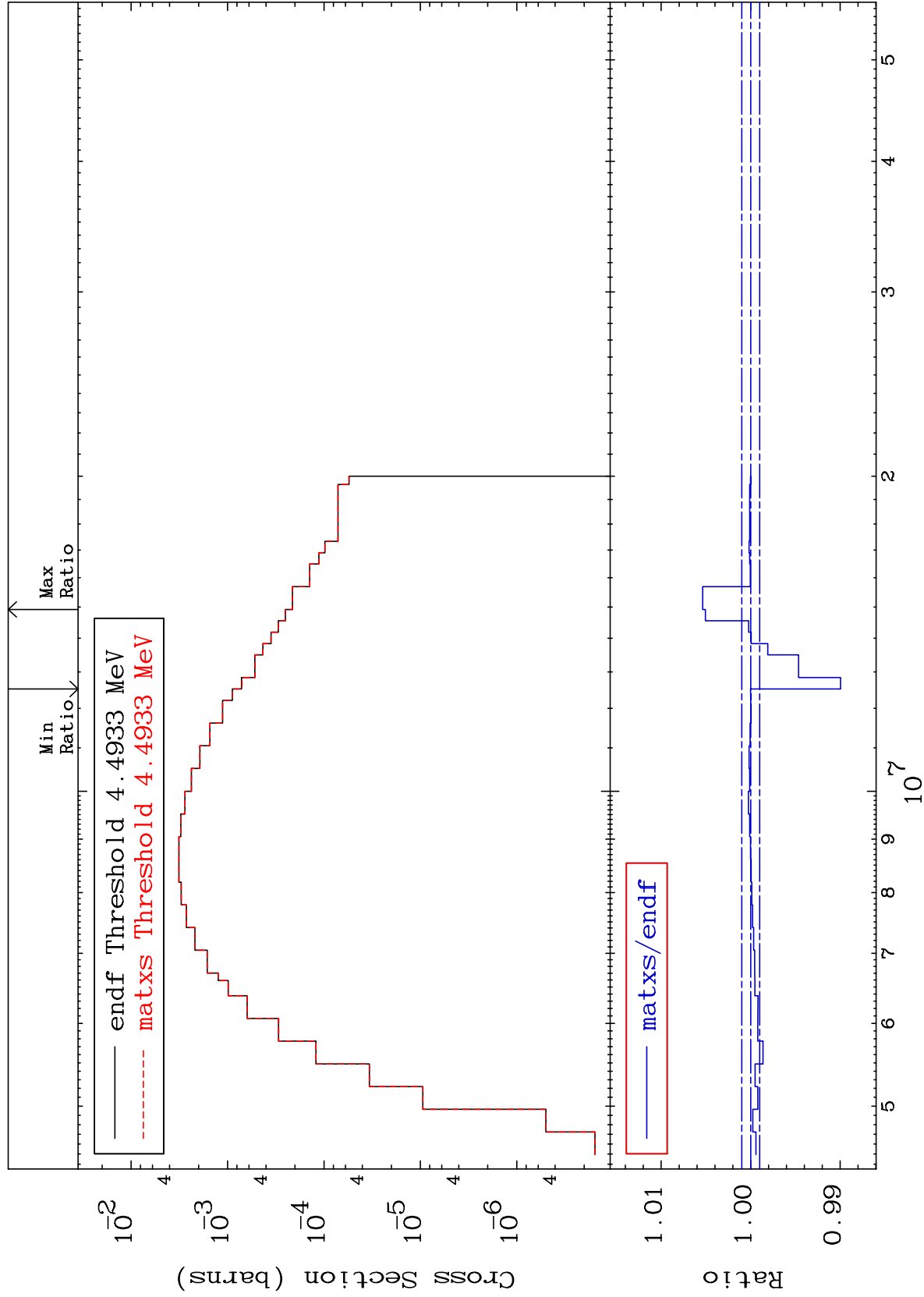
20-Ca-42
-1.006 To 0.536 %



MAT 2031

1.408 MeV (n,p') Level
Cross Section

20-Ca-42
-1.004 To 0.536 %

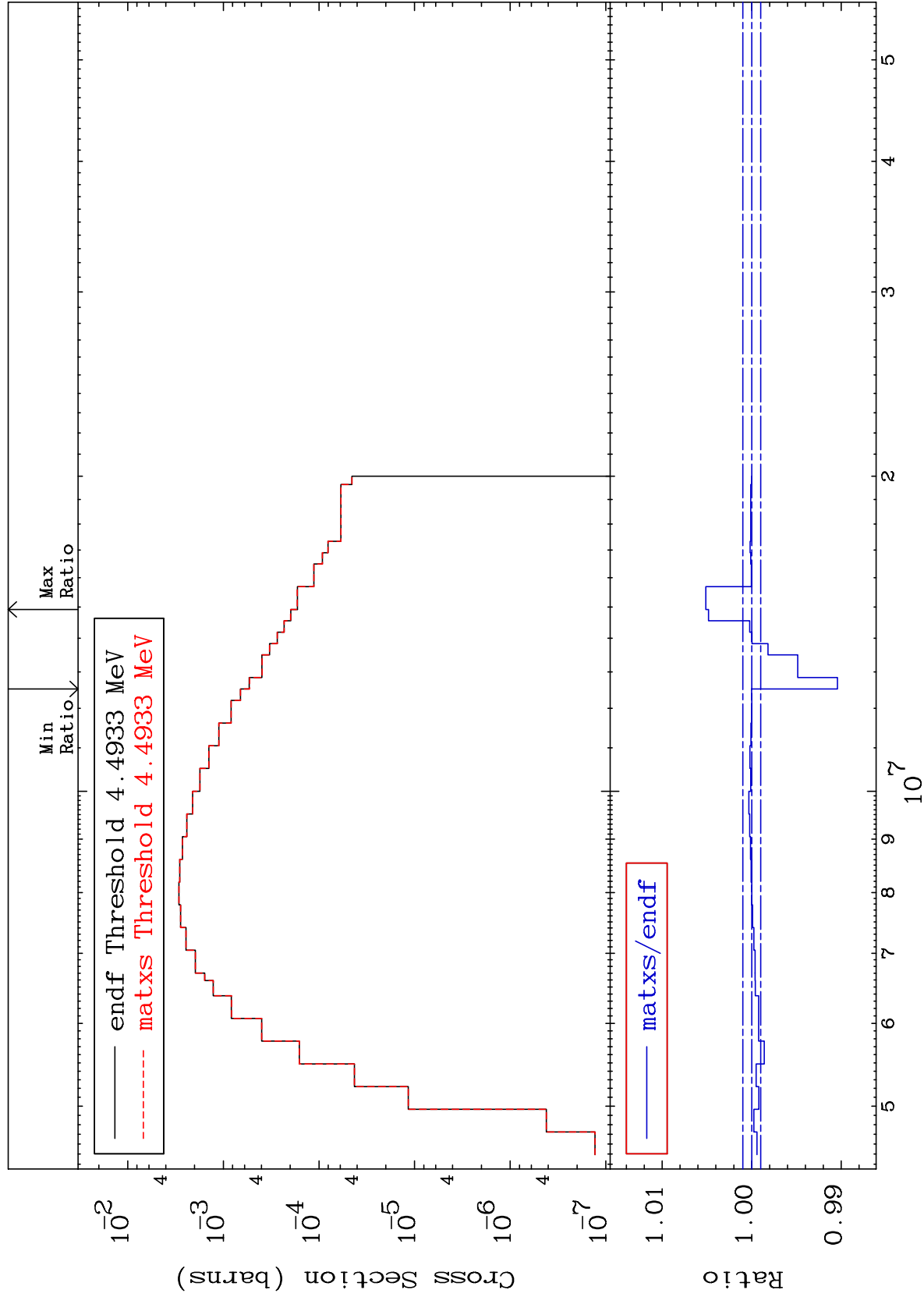


67

MAT 2031

1.453 MeV (n,p') Level
Cross Section

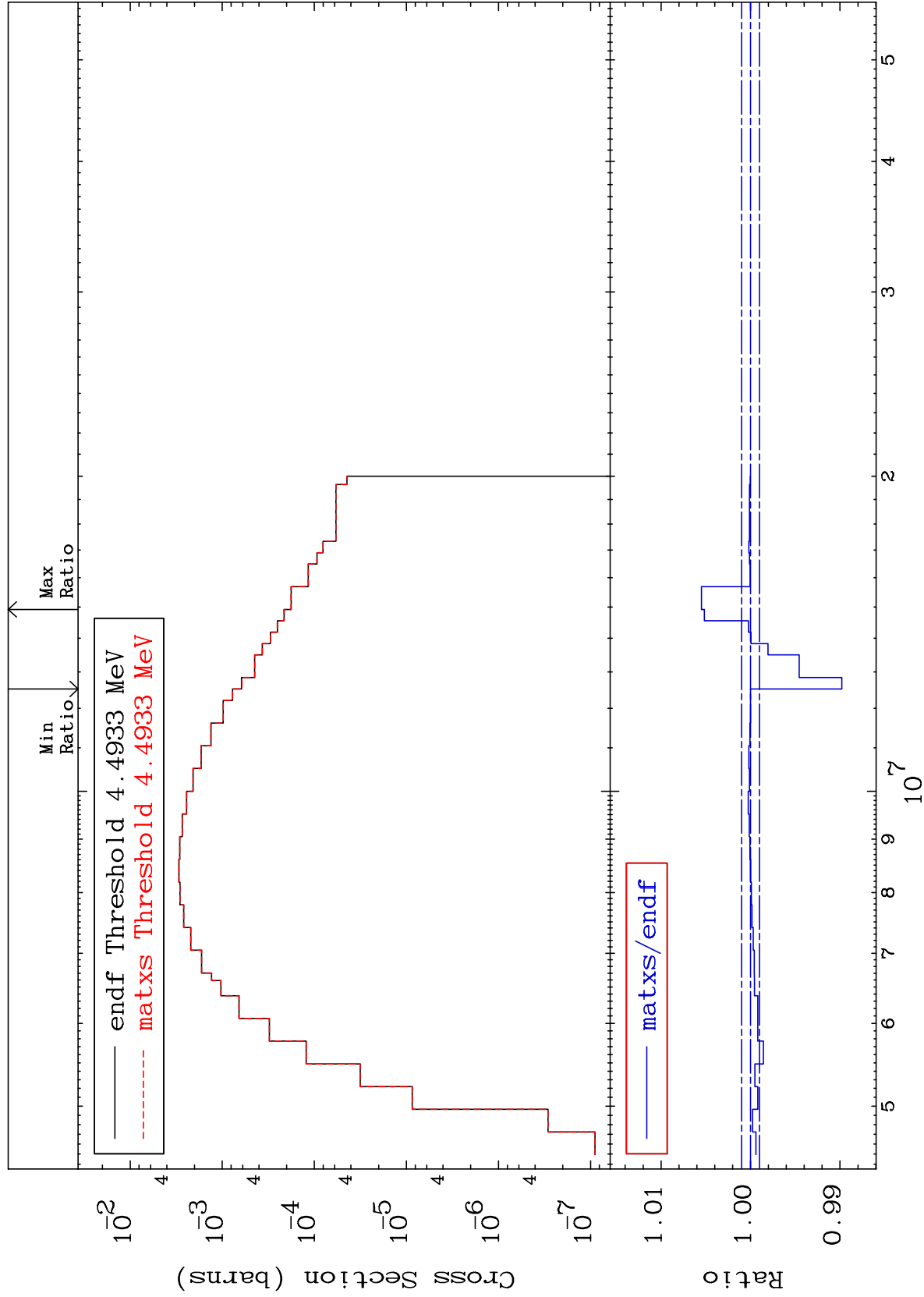
20-Ca-42
-0.959 To 0.513 %



MAT 2031

1.464 MeV (n,p') Level
Cross Section

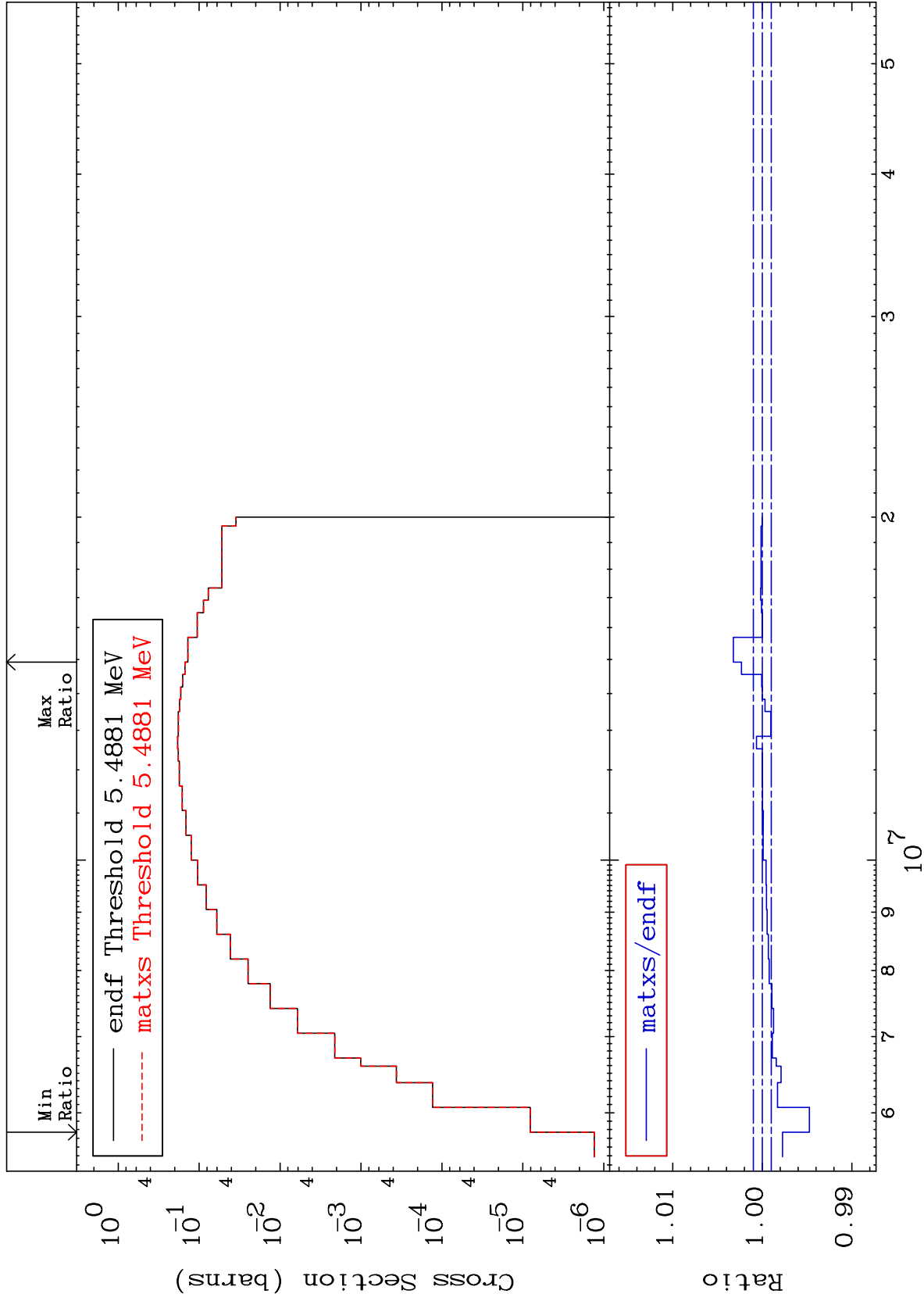
20-Ca-42
-1.021 To 0.548 %



MAT 2031

2.251 MeV (n,p') Level
Cross Section

20-Ca-42
-0.525 To 0.323 %



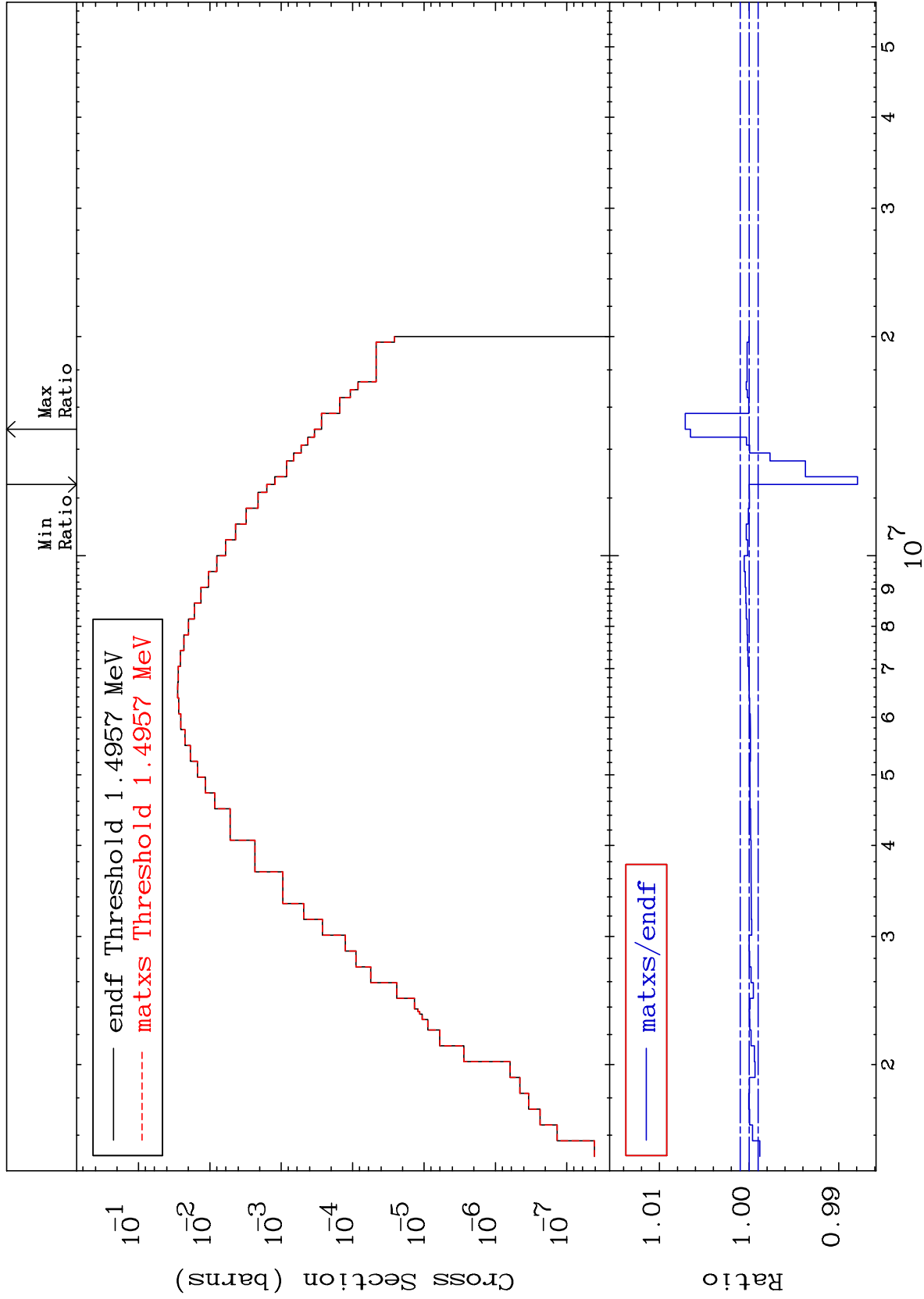
70

20-Ca-42

MAT 2031

(n, α') Ground
Cross Section

20-Ca-42
-1.209 To 0.713 %



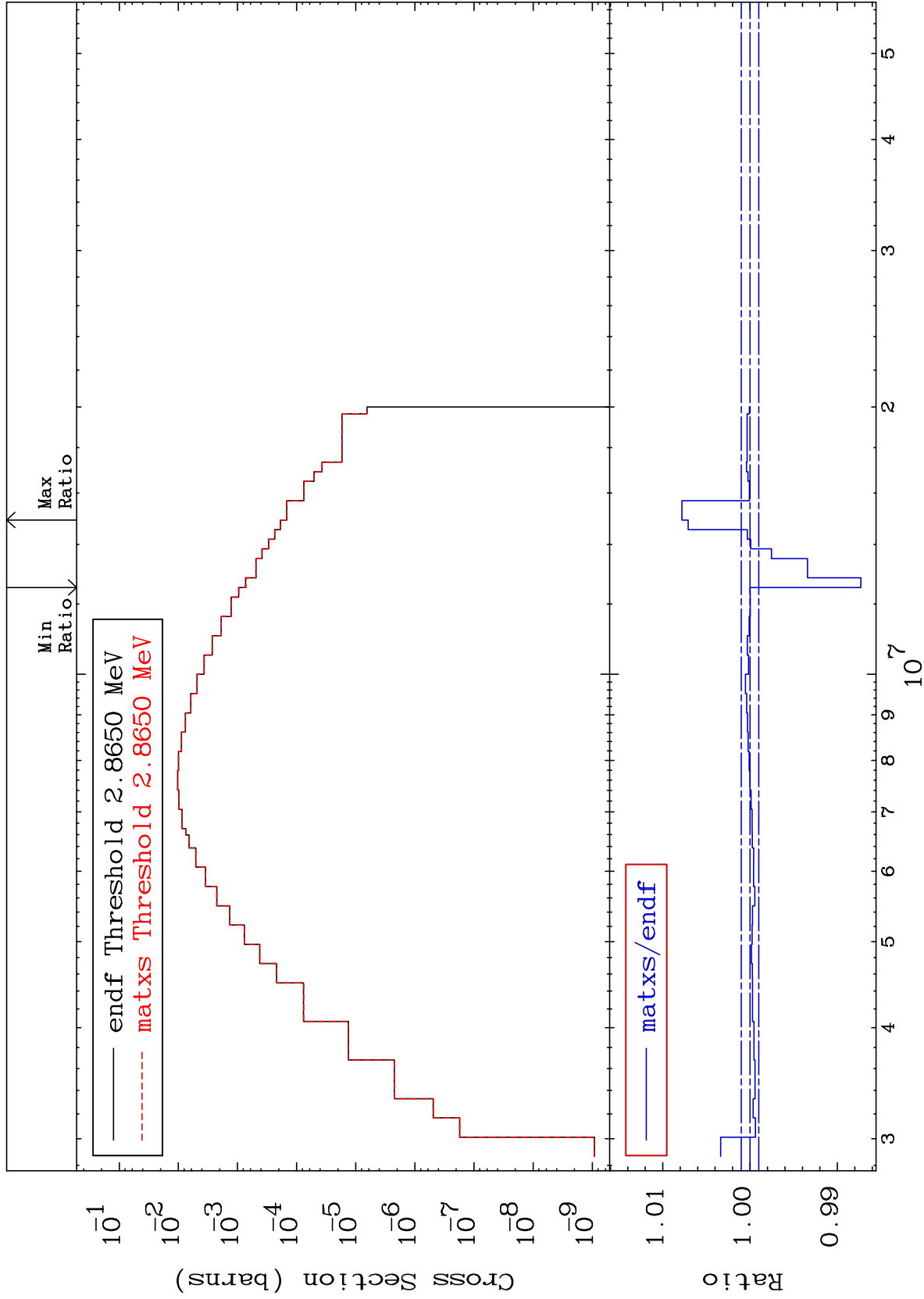
71

20-Ca-42

MAT 2031

1.267 MeV (n, α') Level
Cross Section

20-Ca-42
-1.269 To 0.780 %



72

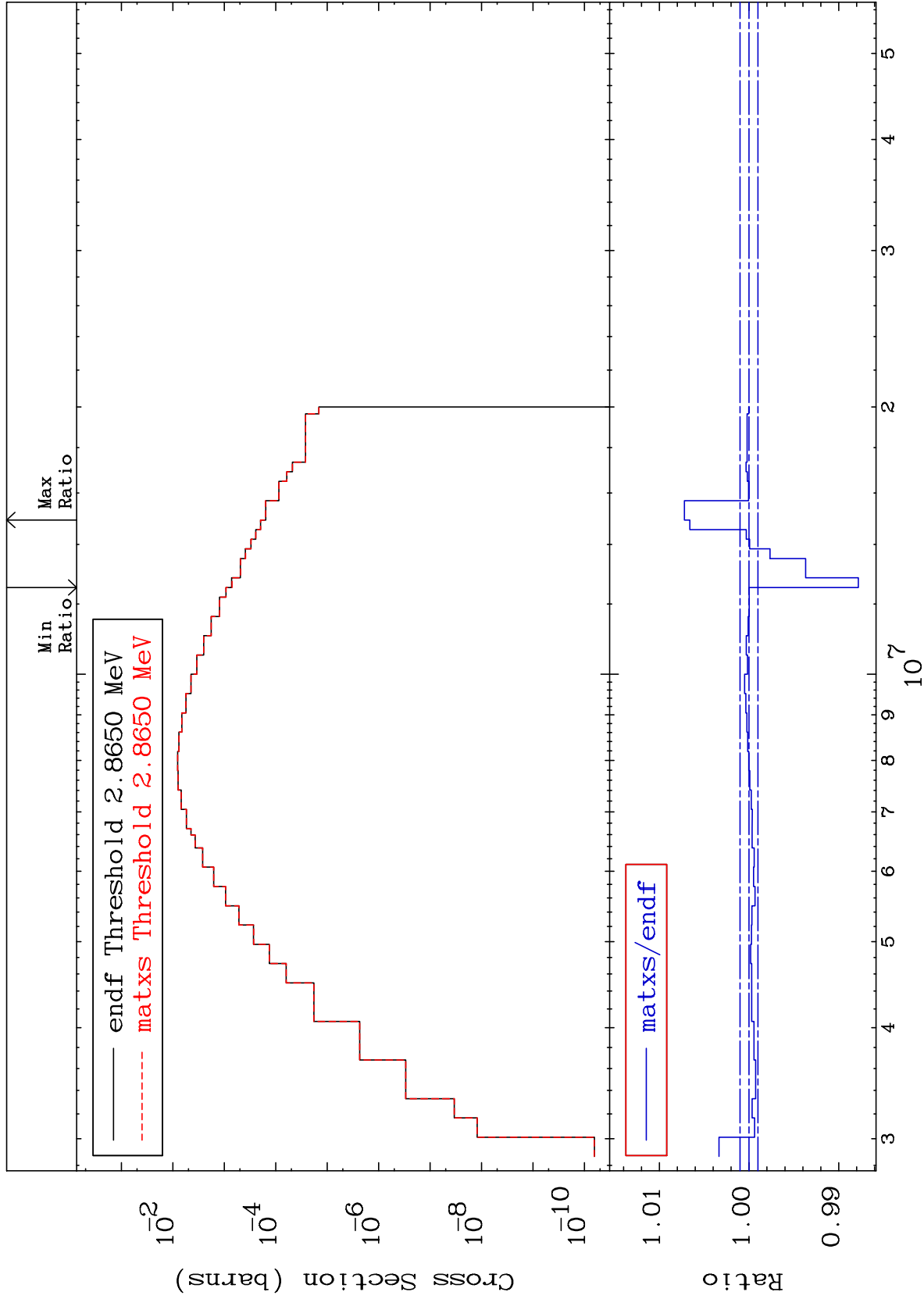
Incident Energy (eV)

20-Ca-42

MAT 2031

1.517 MeV (n, α') Level
Cross Section

20-Ca-42
-1.219 To 0.720 %



73

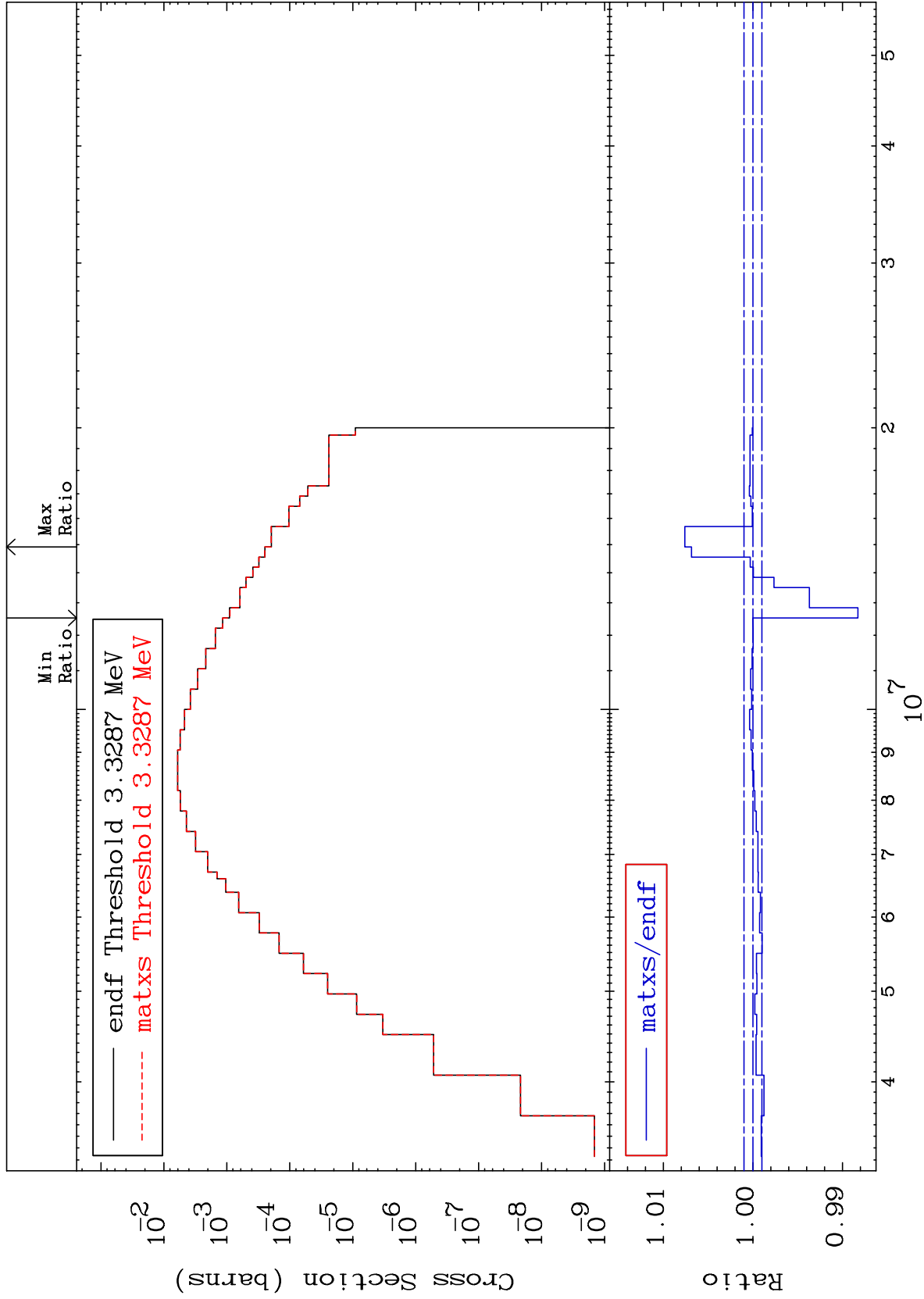
Incident Energy (eV)

20-Ca-42

MAT 2031

2.093 MeV (n, α') Level
Cross Section

20-Ca-42
-1.171 To 0.760 %



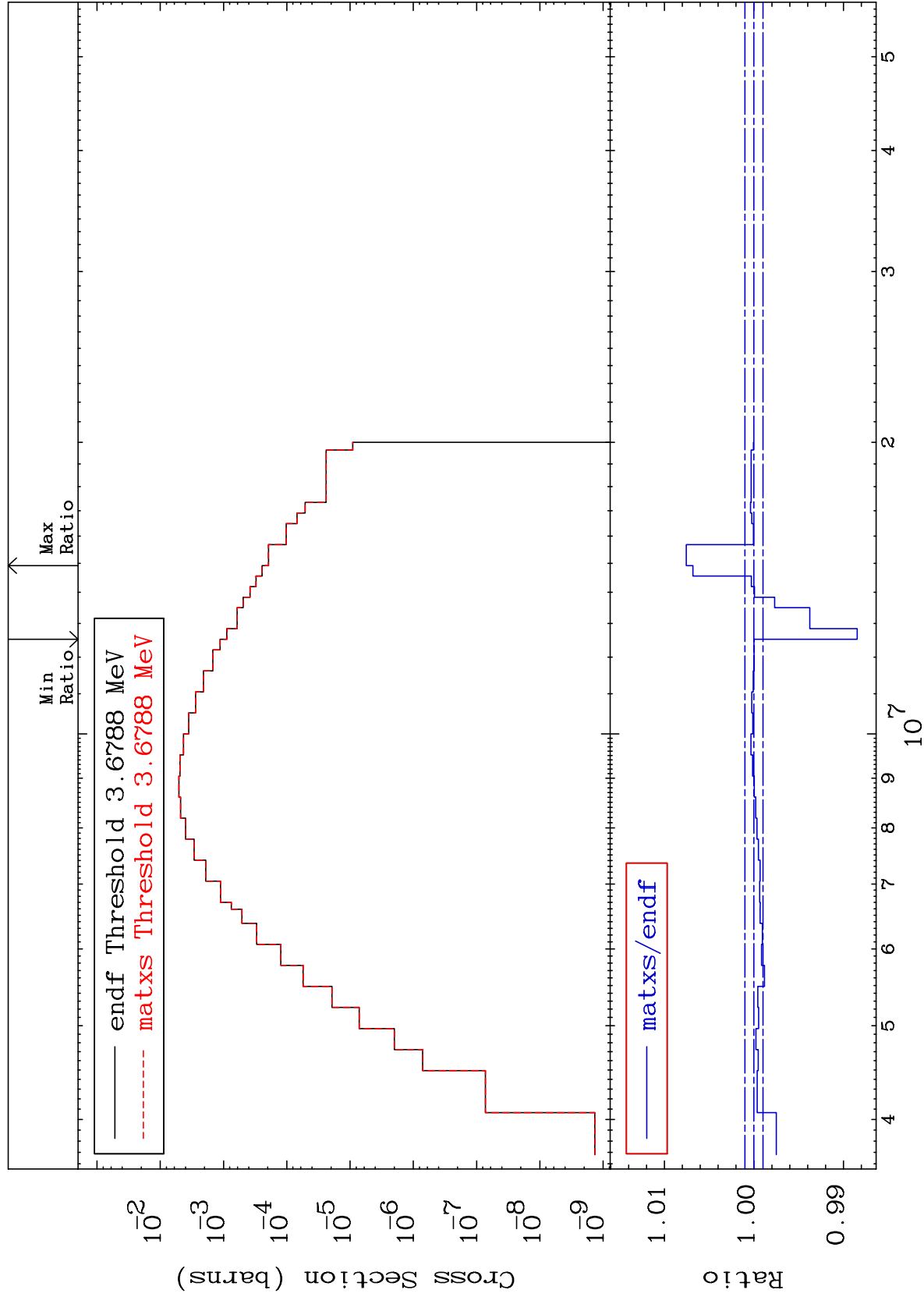
74

20-Ca-42

MAT 2031

2.342 MeV (n, α') Level
Cross Section

20-Ca-42
-1.153 To 0.757 %



75

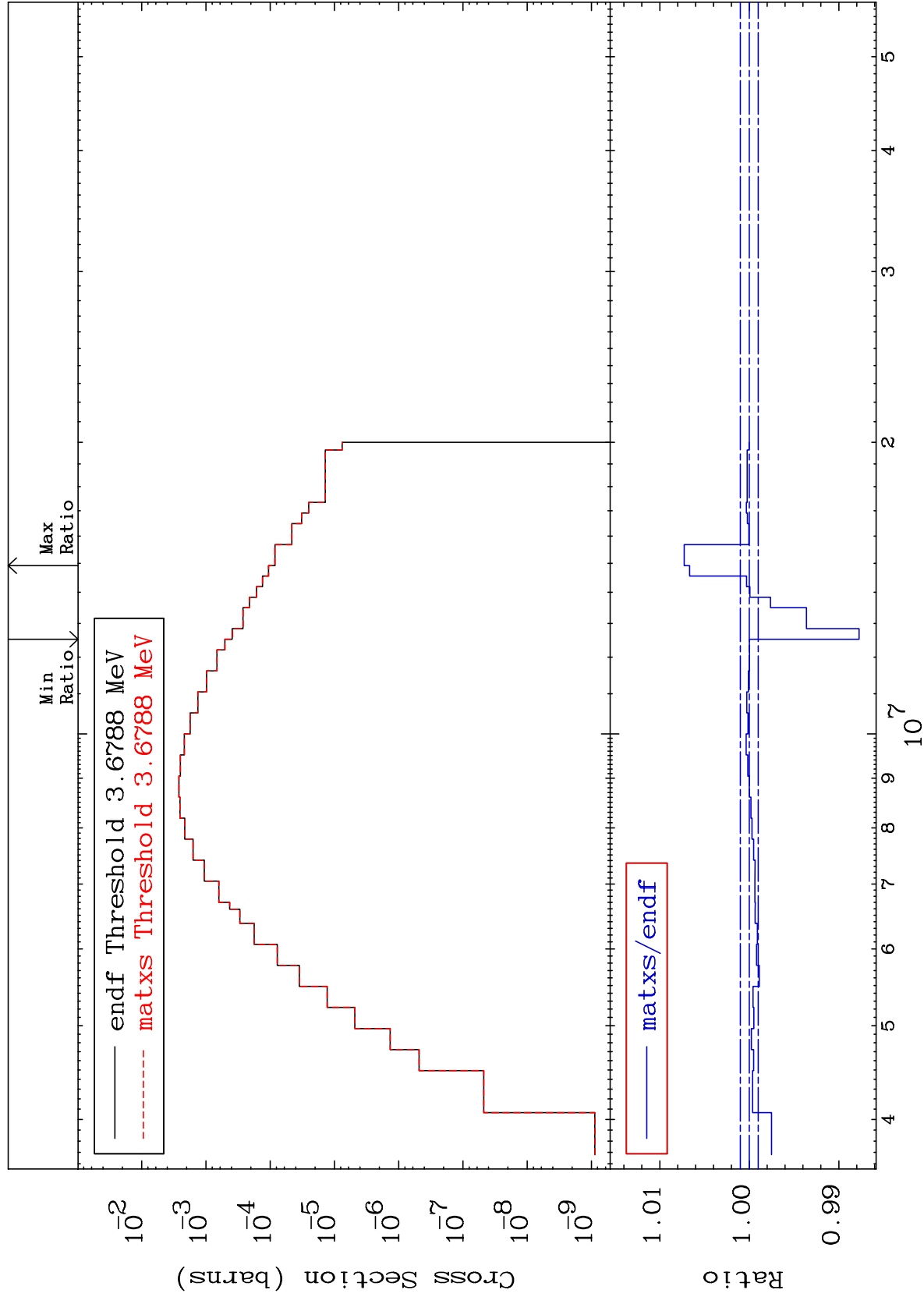
Incident Energy (eV)

20-Ca-42

MAT 2031

2.358 MeV (n, α') Level
Cross Section

20-Ca-42
-1.226 To 0.726 %



76

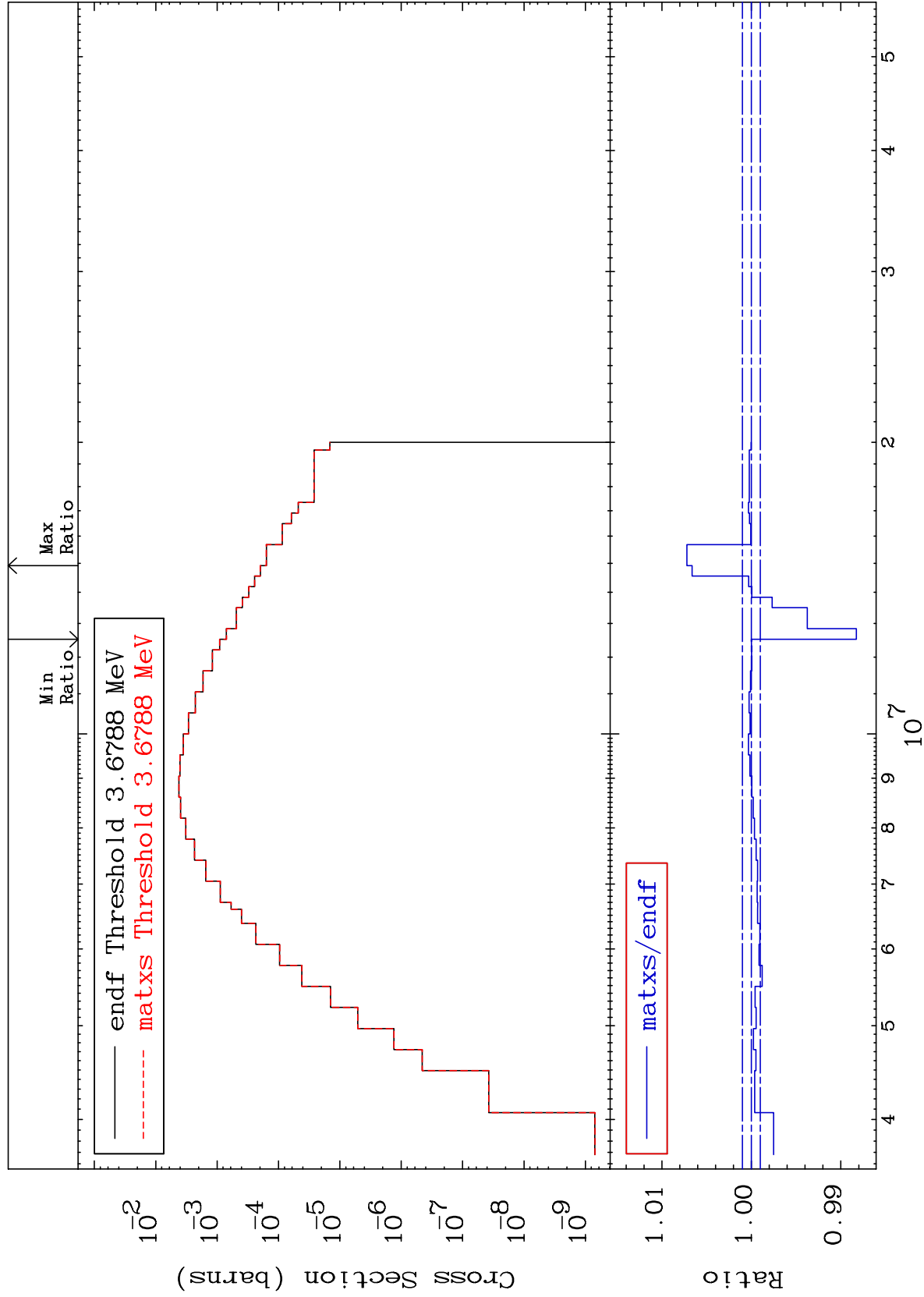
Incident Energy (eV)

20-Ca-42

MAT 2031

2.434 MeV (n, α') Level
Cross Section

20-Ca-42
-1.174 To 0.721 %



77

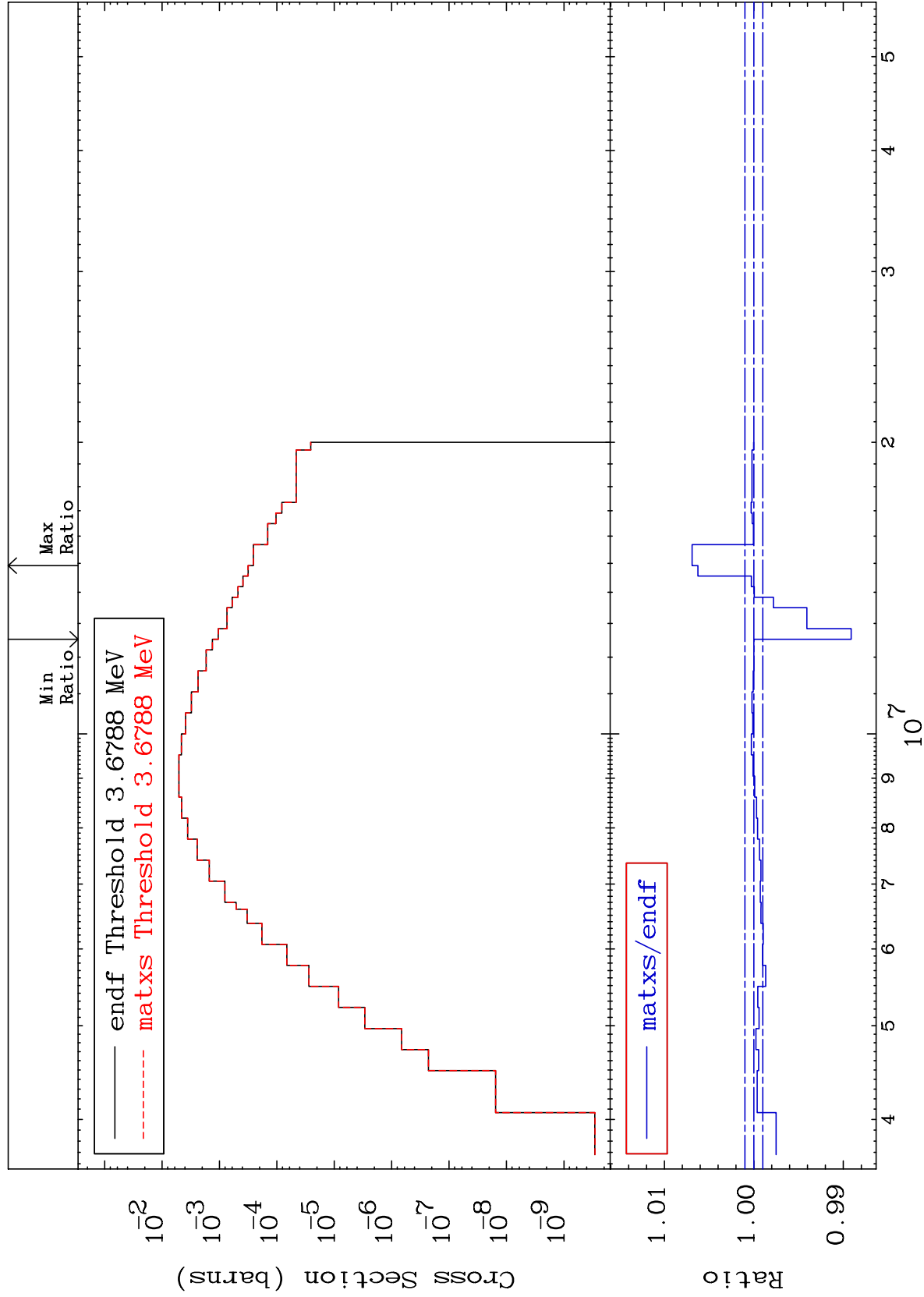
Incident Energy (eV)

20-Ca-42

MAT 2031

2.482 MeV (n, α') Level
Cross Section

20-Ca-42
-1.087 To 0.690 %



78

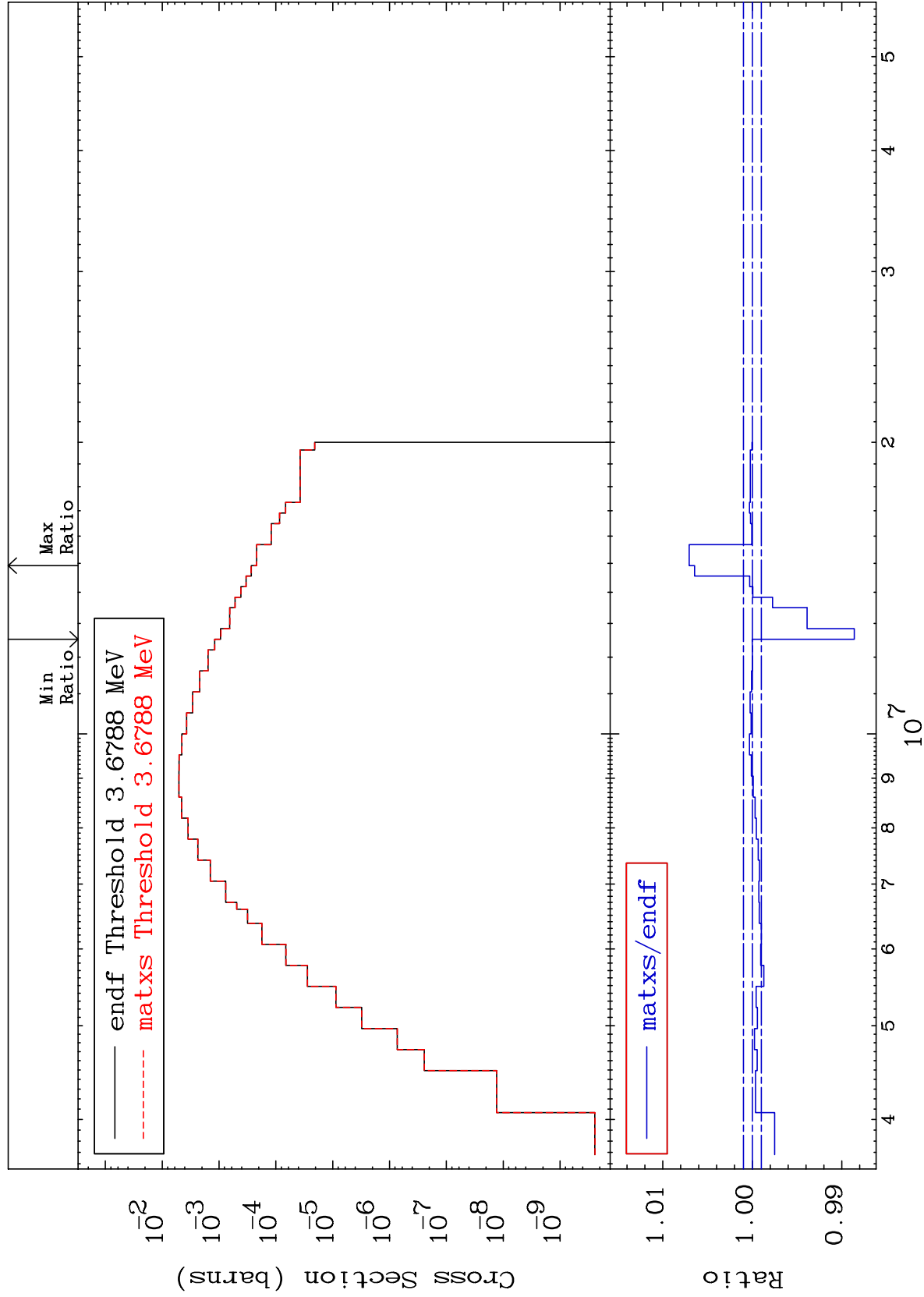
Incident Energy (eV)

20-Ca-42

MAT 2031

2.503 MeV (n, α') Level
Cross Section

20-Ca-42
-1.138 To 0.706 %



79

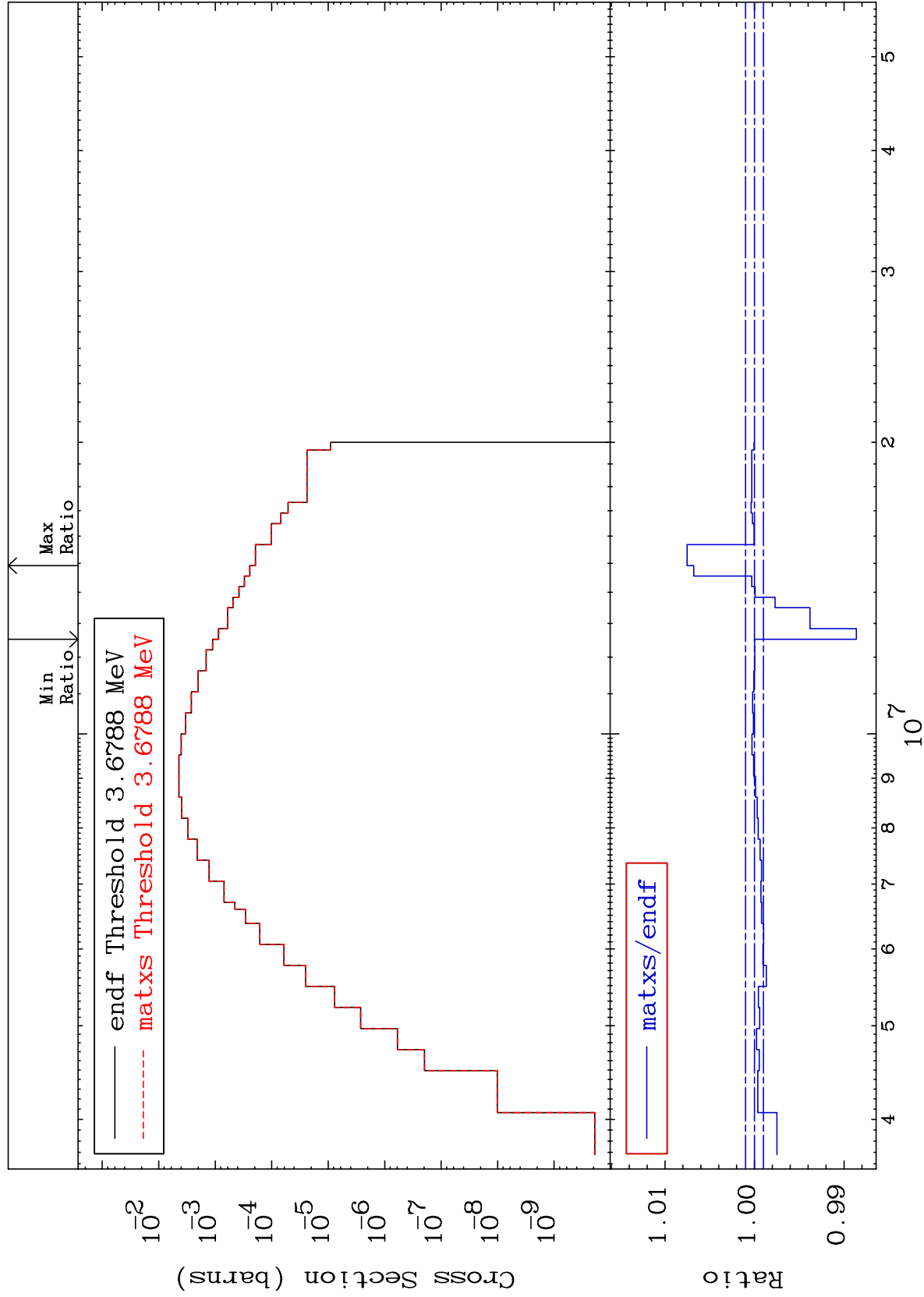
Incident Energy (eV)

20-Ca-42

MAT 2031

2.524 MeV (n, α') Level
Cross Section

20-Ca-42
-1.137 To 0.755 %



80

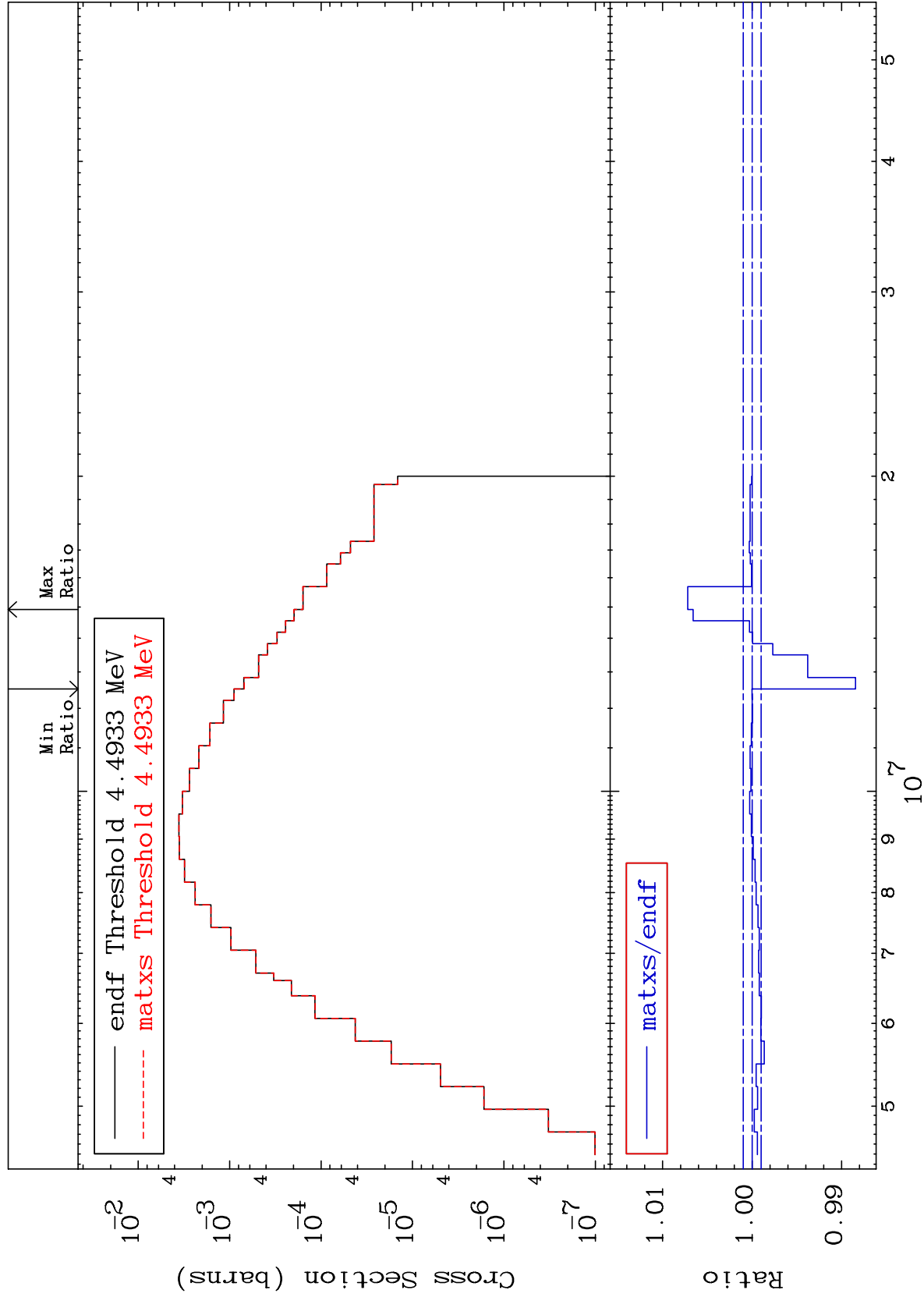
Incident Energy (eV)

20-Ca-42

MAT 2031

2.632 MeV (n, α') Level
Cross Section

20-Ca-42
-1.155 To 0.719 %



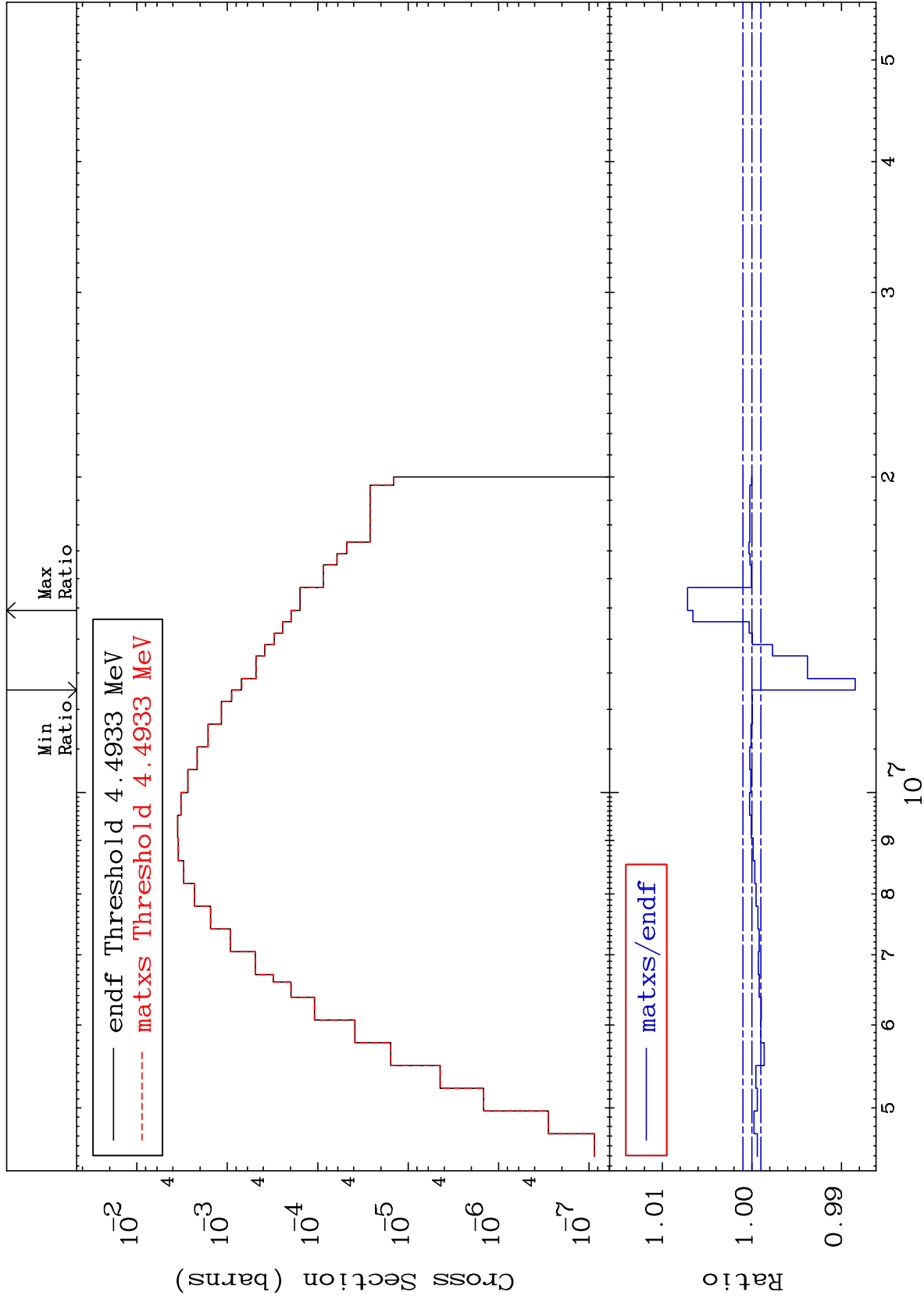
81

20-Ca-42

MAT 2031

2.651 MeV (n, α') Level
Cross Section

20-Ca-42
-1.153 To 0.719 %



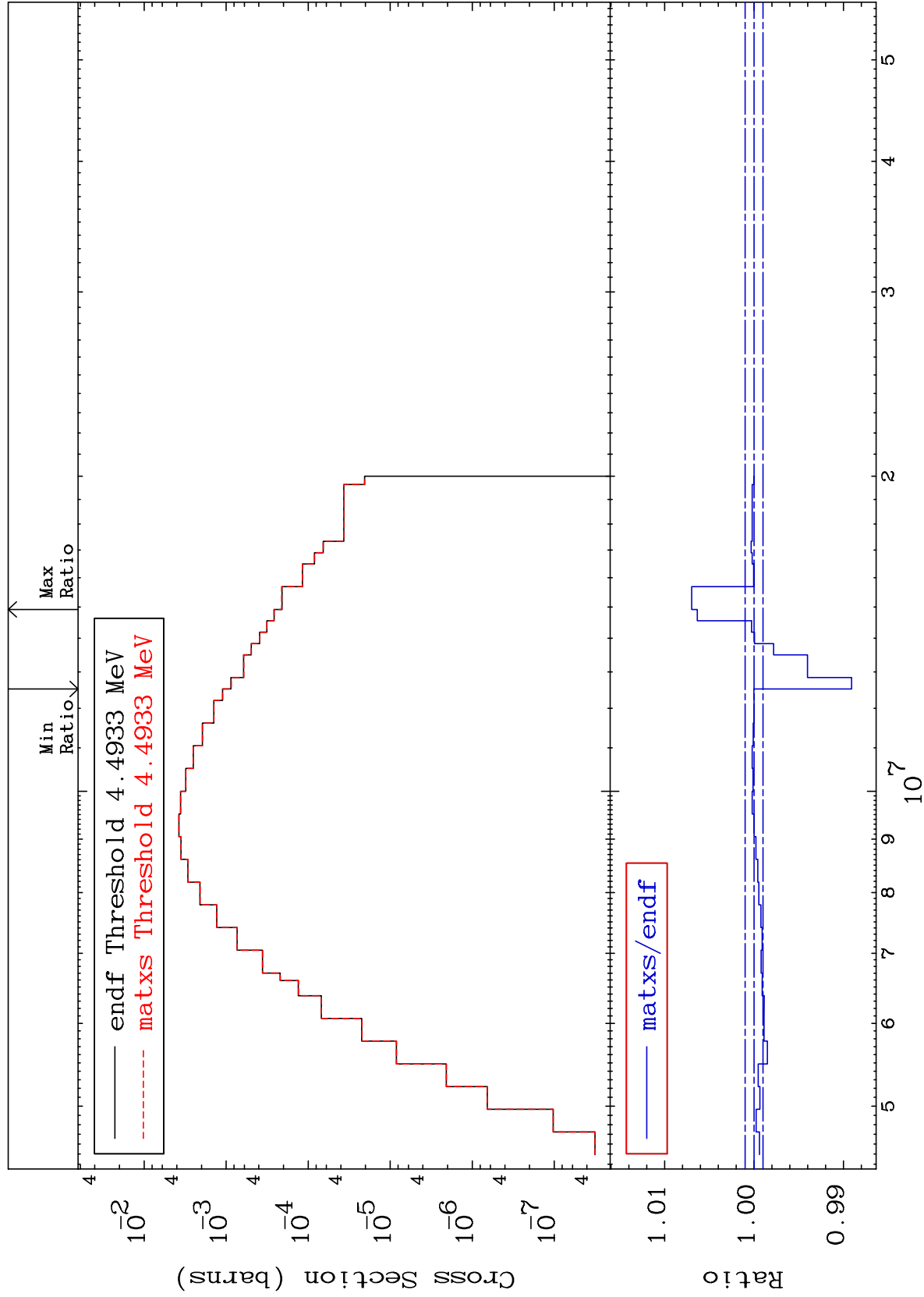
82

20-Ca-42

MAT 2031

2.756 MeV (n, α') Level
Cross Section

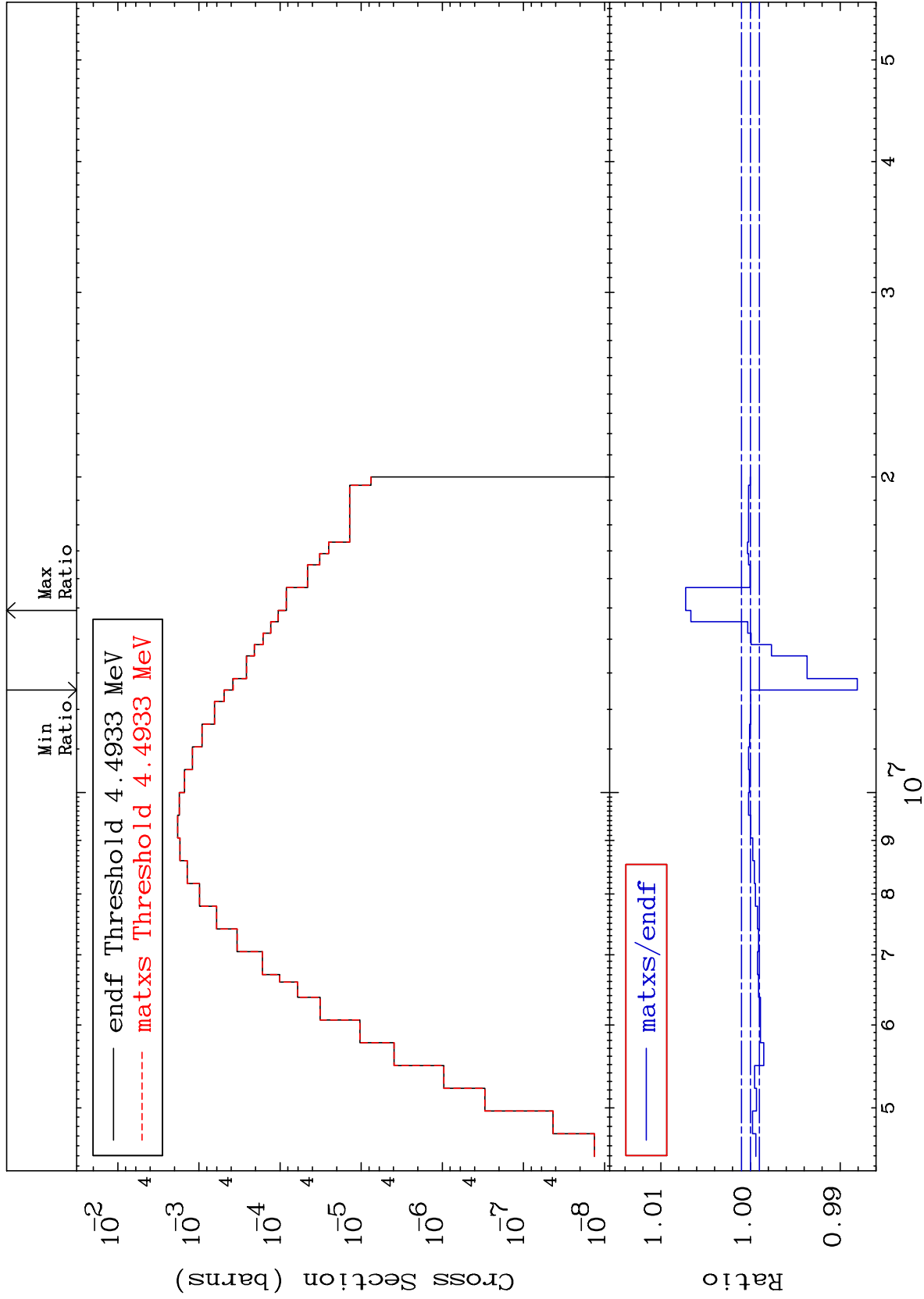
20-Ca-42
-1.091 To 0.697 %



MAT 2031

2.830 MeV (n, α') Level
Cross Section

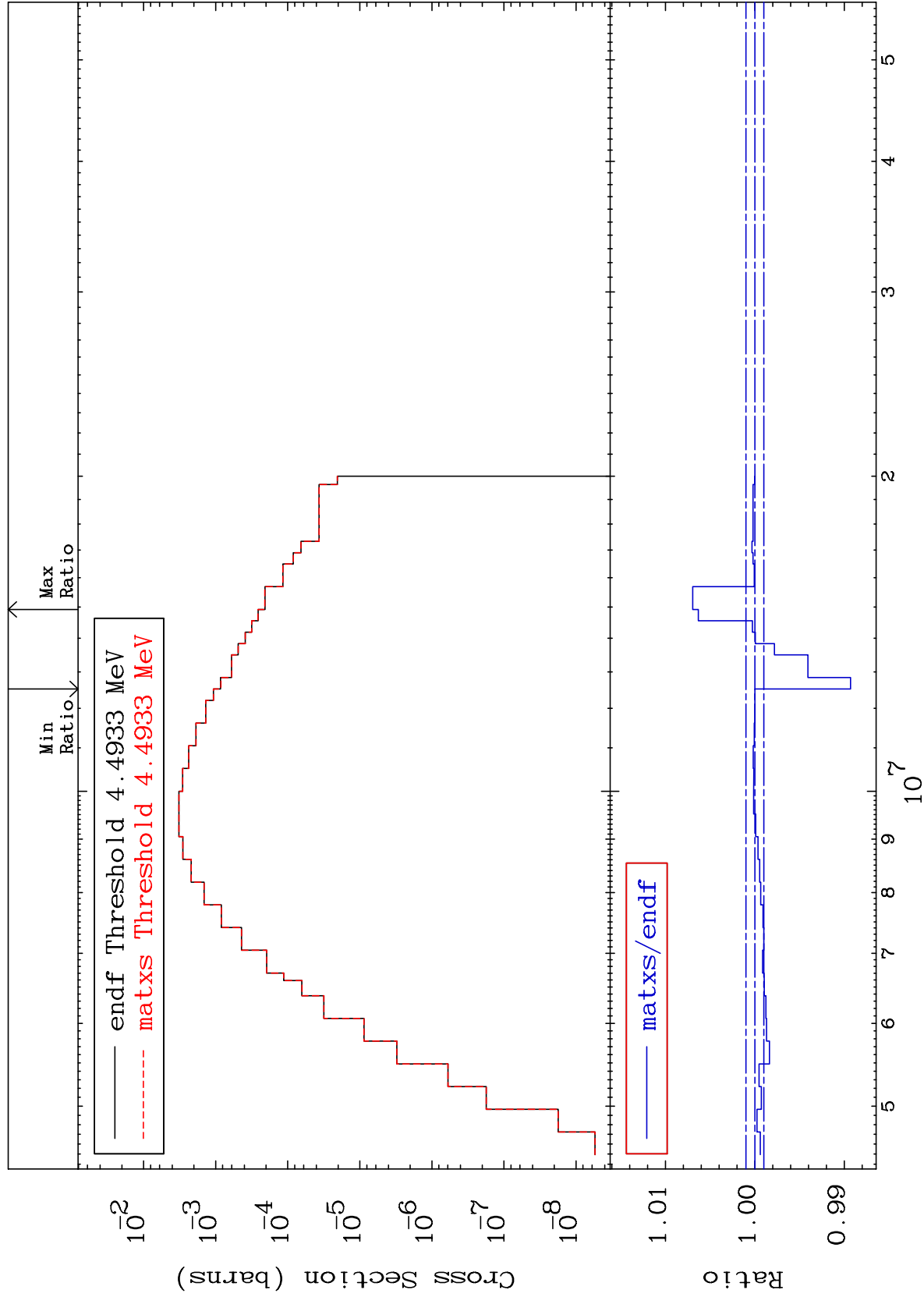
20-Ca-42
-1.191 To 0.724 %



MAT 2031

2.950 MeV (n,α') Level
Cross Section

20-Ca-42
-1.070 To 0.695 %



85

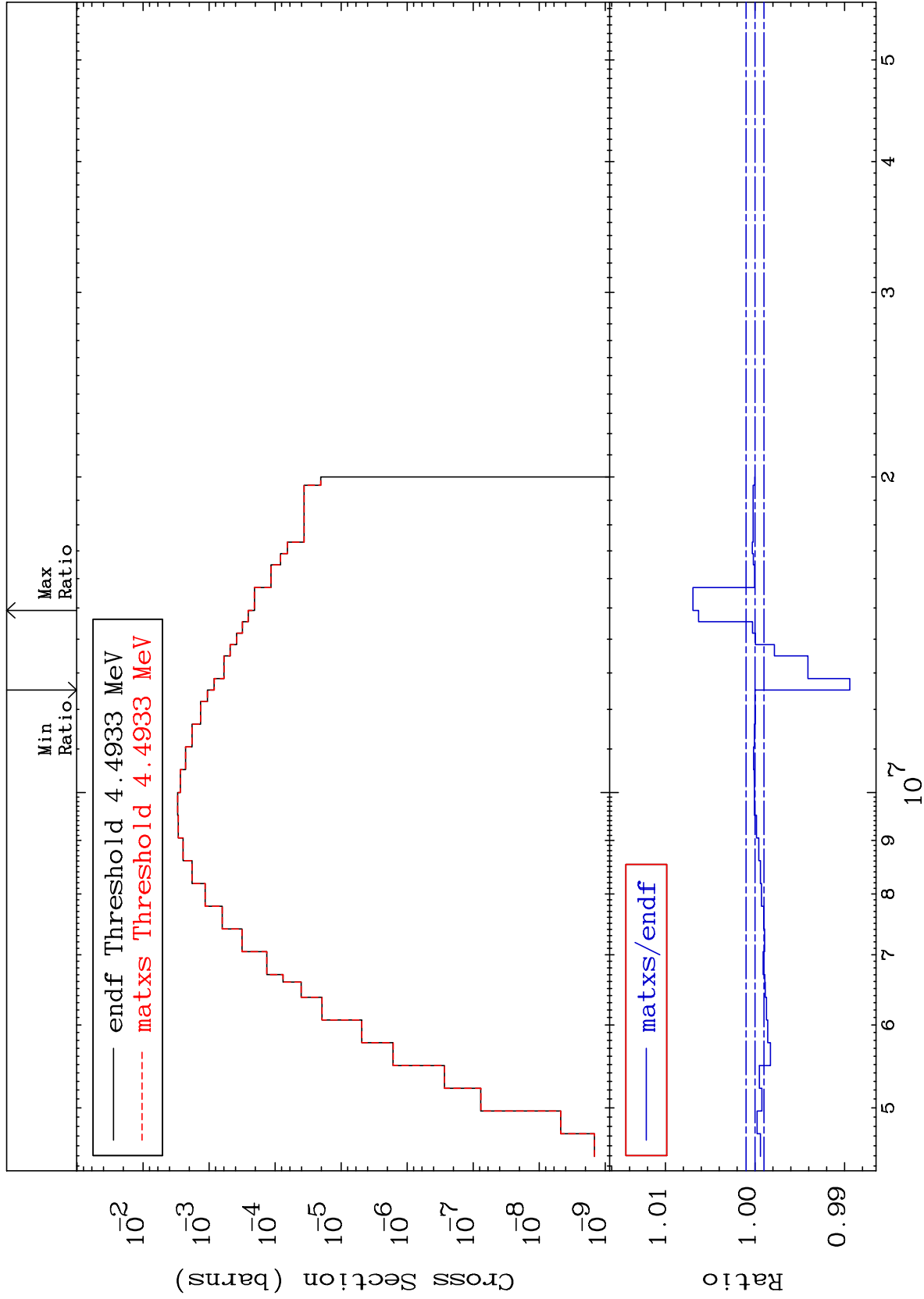
Incident Energy (eV)

20-Ca-42

MAT 2031

3.062 MeV (n, α') Level
Cross Section

20-Ca-42
-1.058 To 0.693 %



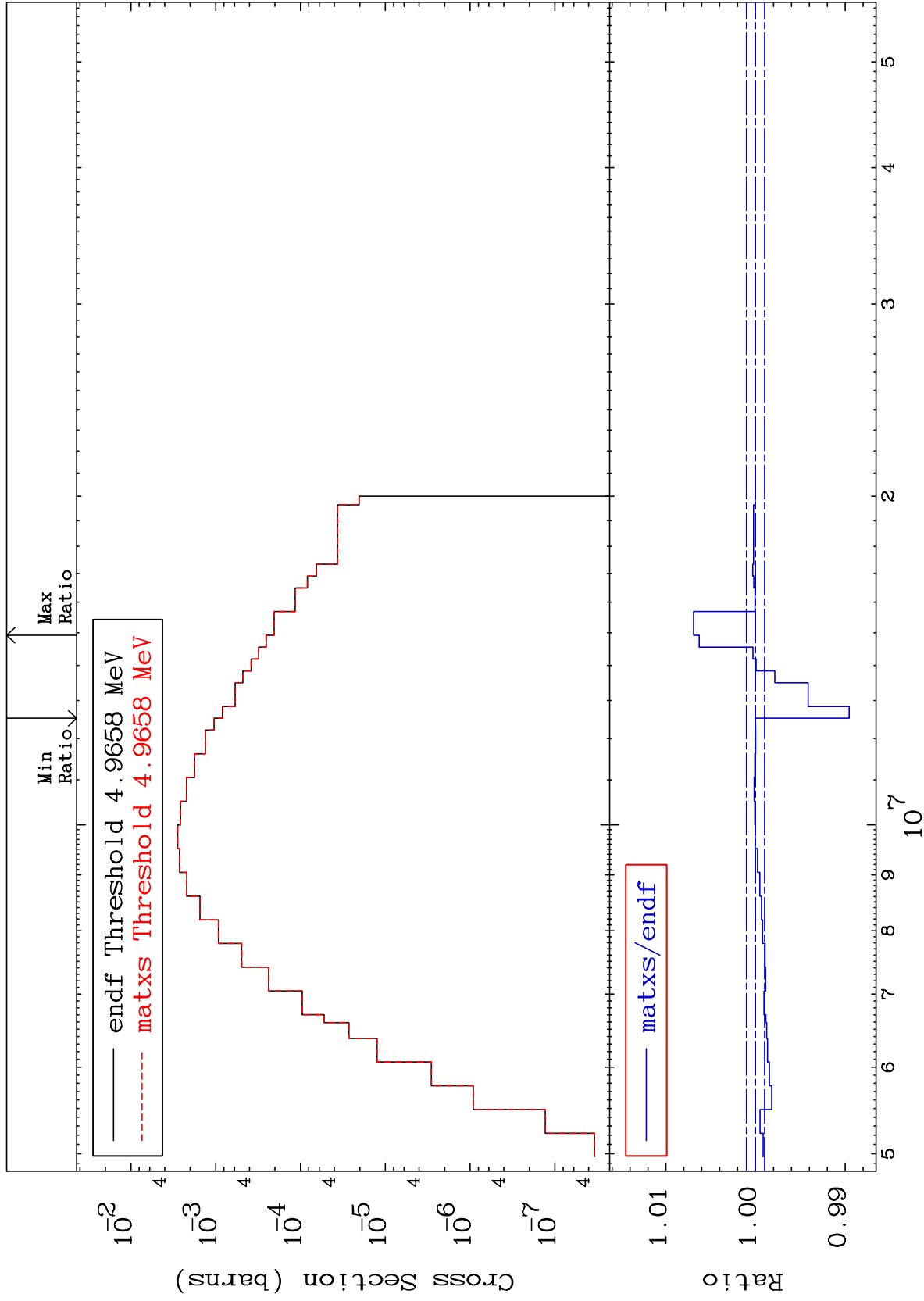
86

20-Ca-42

MAT 2031

3.160 MeV (n,α') Level
Cross Section

20-Ca-42
-1.046 To 0.692 %



87

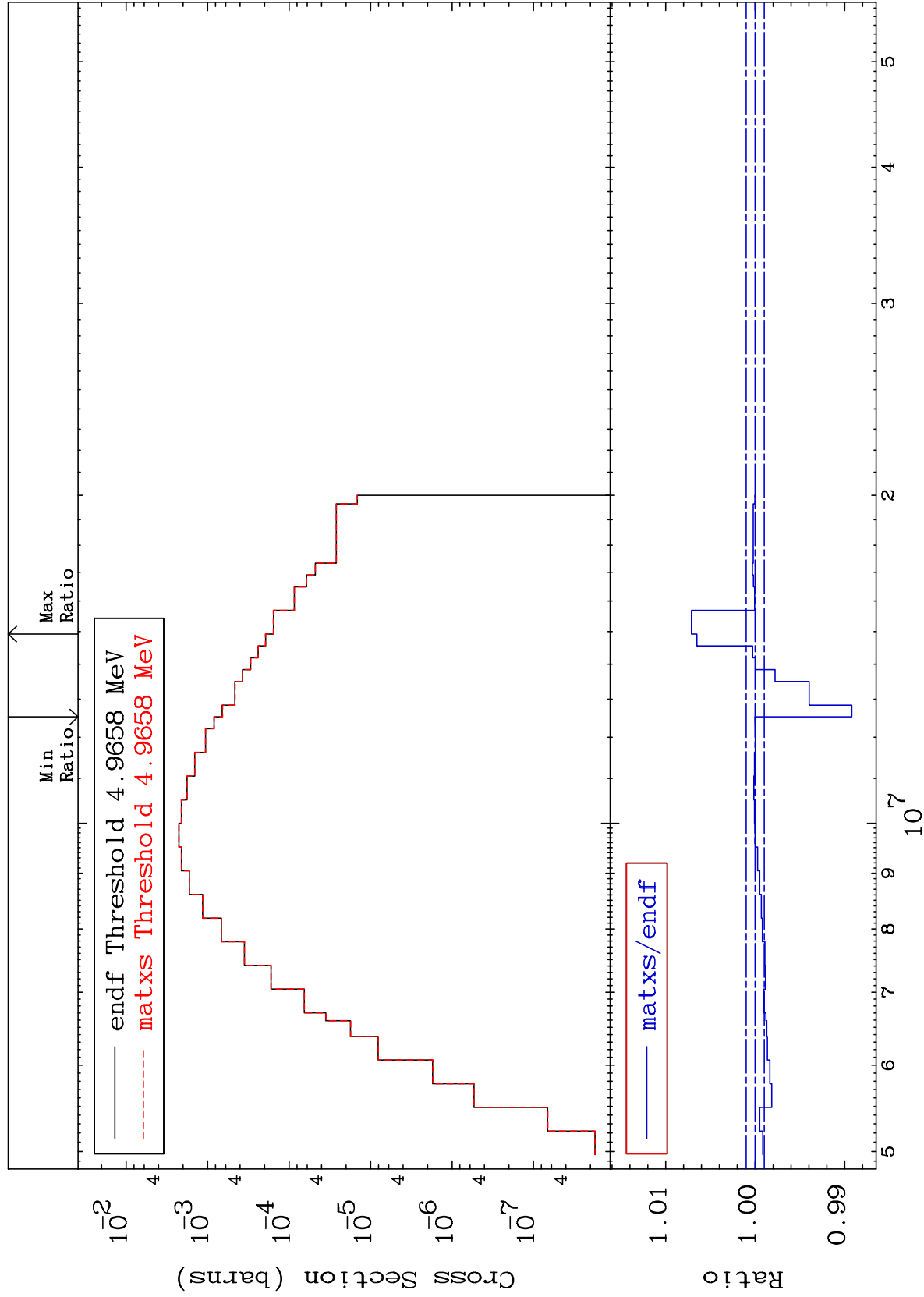
Incident Energy (eV)

20-Ca-42

MAT 2031

3.266 MeV (n,α') Level
Cross Section

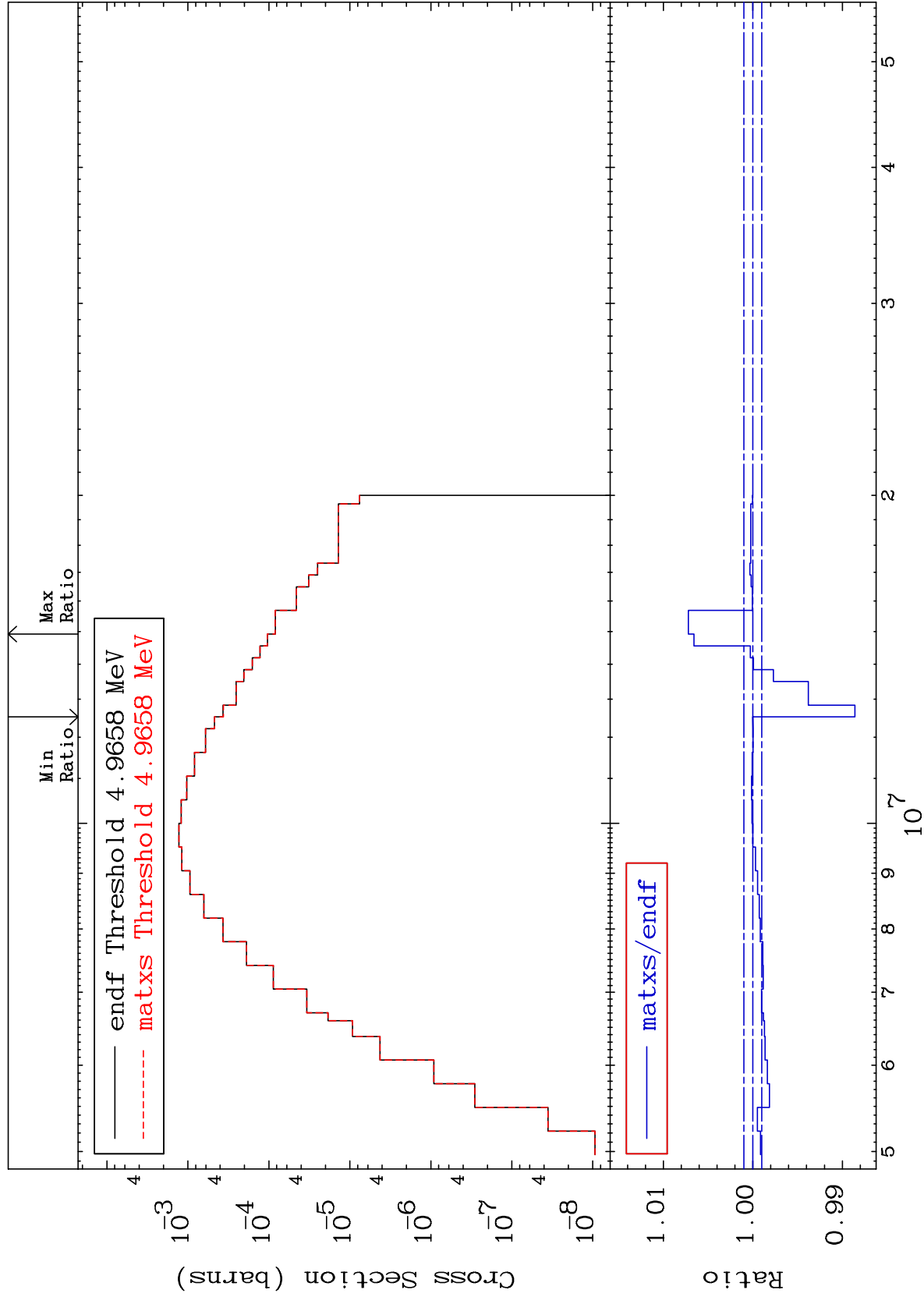
20-Ca-42
-1.081 To 0.713 %



MAT 2031

3.287 MeV (n, α') Level
Cross Section

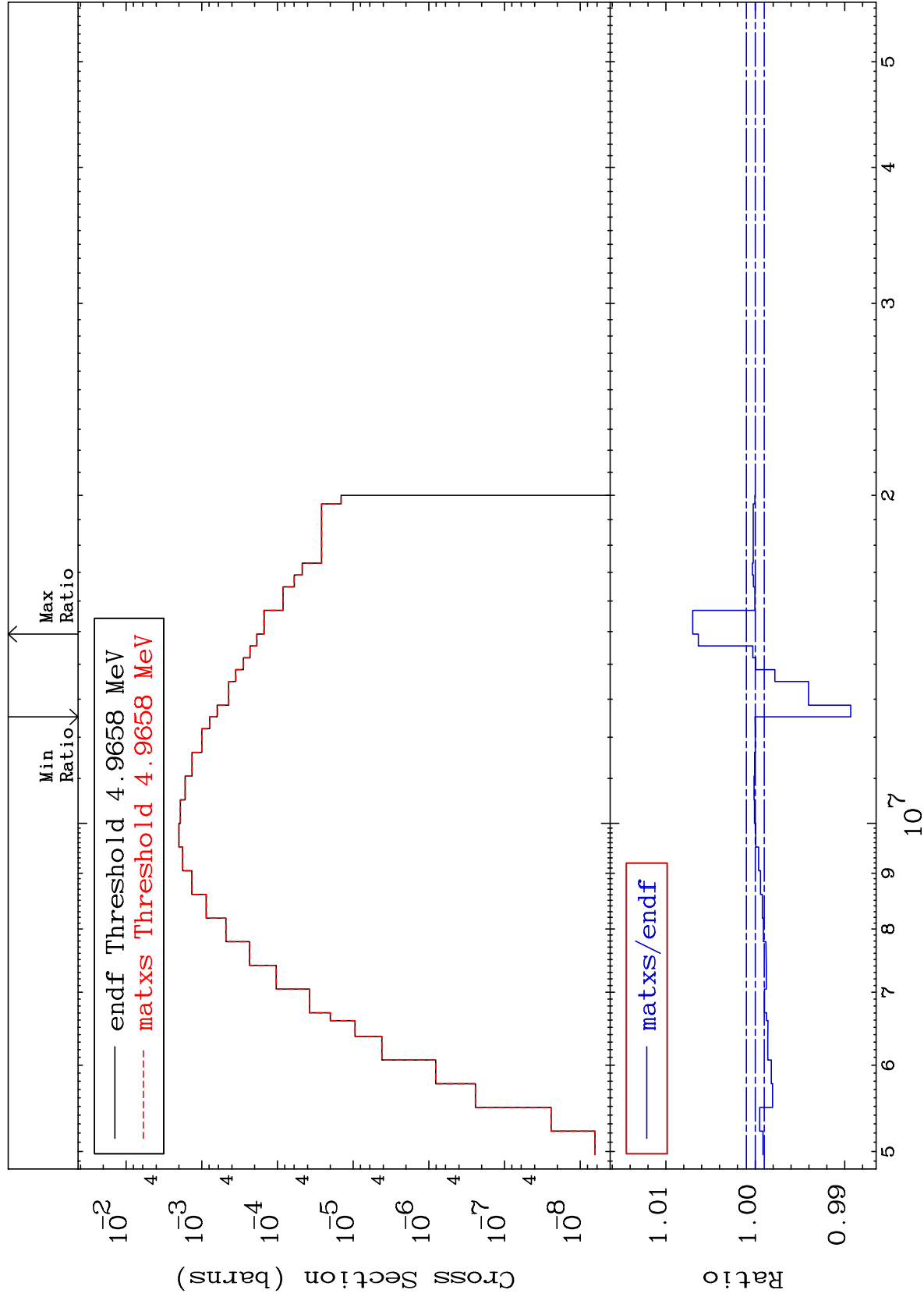
20-Ca-42
-1.140 To 0.720 %



MAT 2031

3.361 MeV (n, α') Level
Cross Section

20-Ca-42
-1.066 To 0.700 %



90

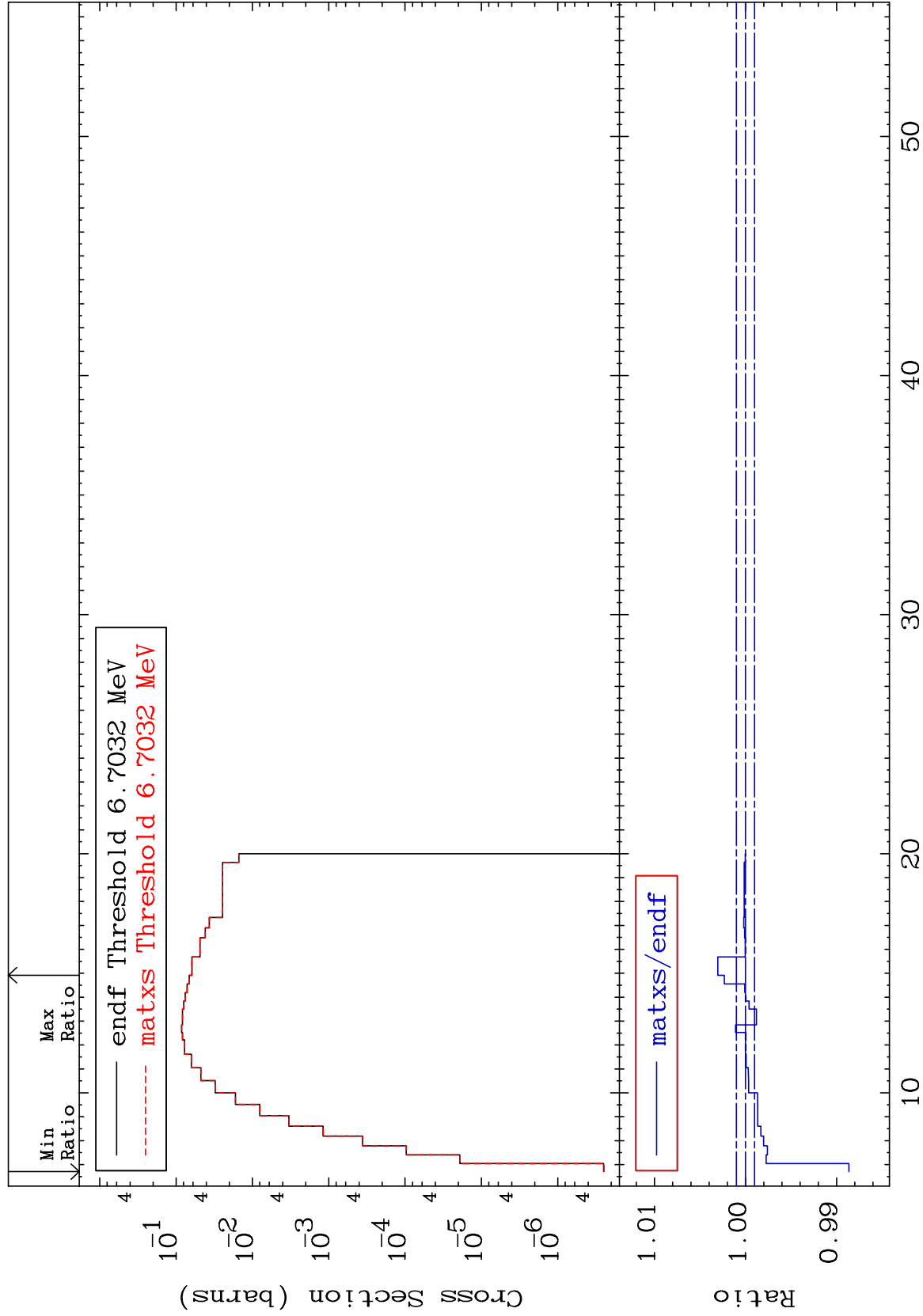
Incident Energy (eV)

20-Ca-42

MAT 2031

4.178 MeV (n,α') Level
Cross Section

20-Ca-42
-1.135 To 0.304 %



91

Incident Energy (MeV)

20-Ca-42