

Program Complot
(Version 2015-2)

by

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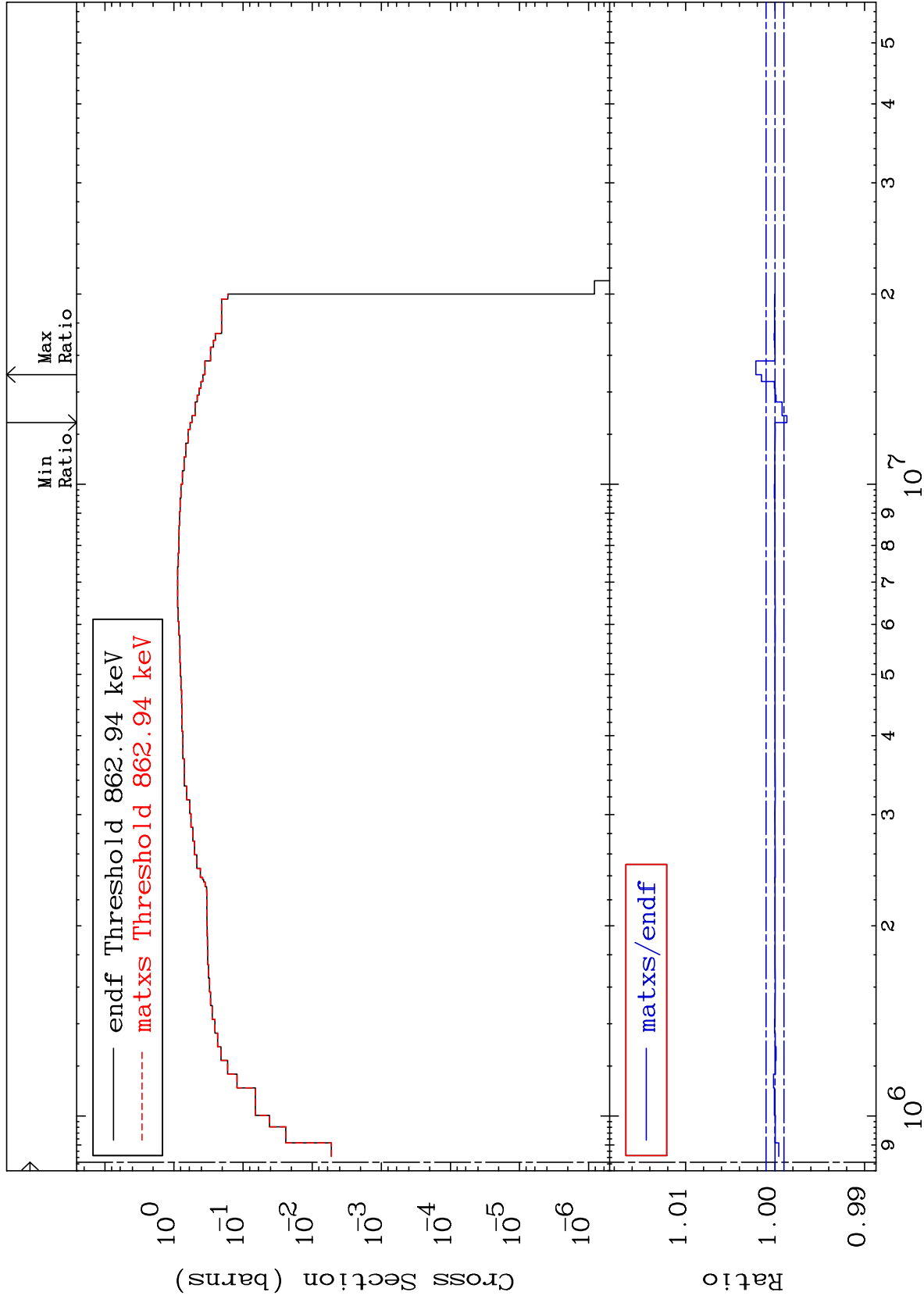
Web: home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 1325

Inelastic
Cross Section

13-Al-27
-0.131 To 0.214 %



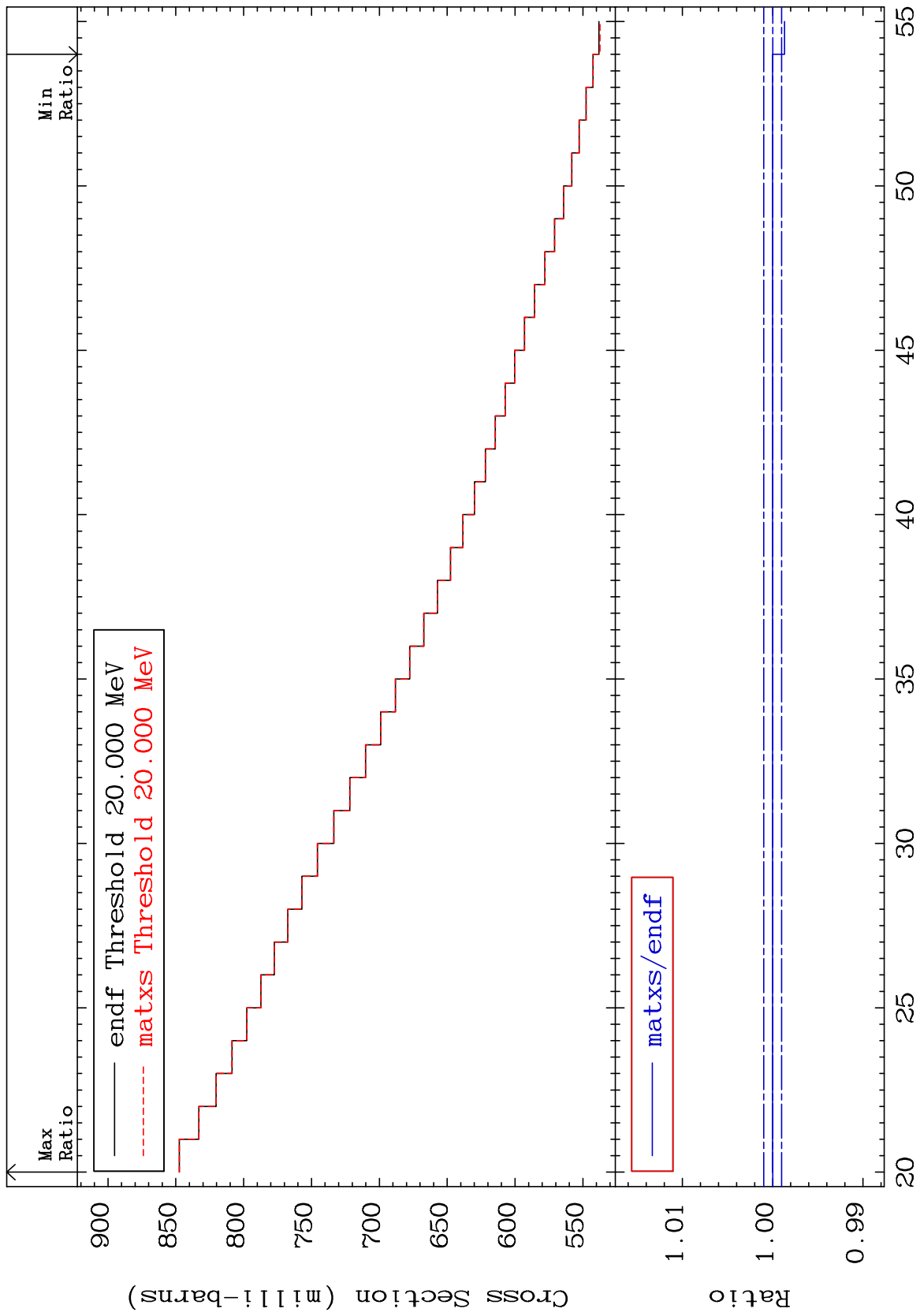
13-Al-27

13-Al-27

MAT 1325

(n, remainder)
Cross Section

13-A1-27
-0.132 To 0.001 %



2

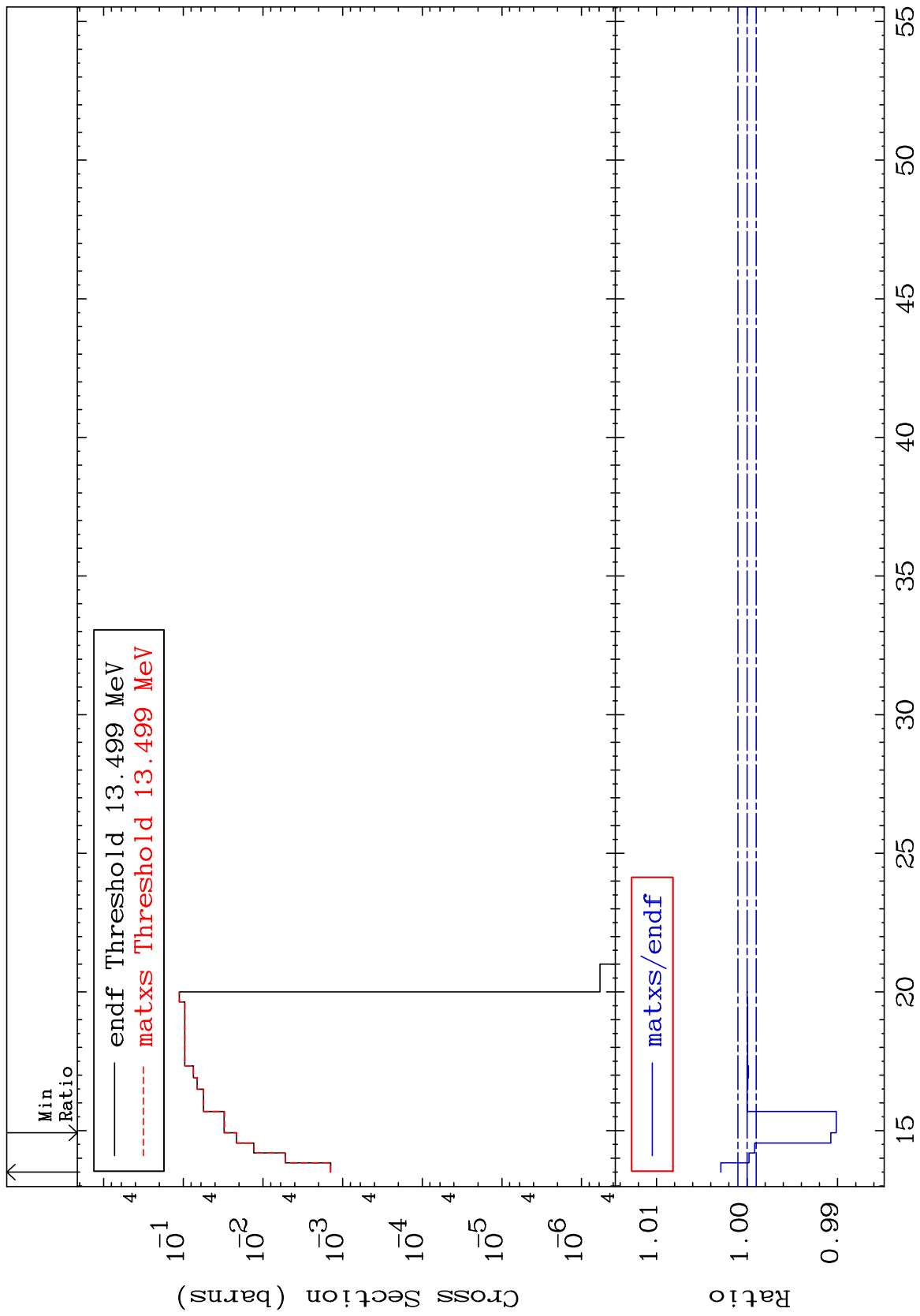
Incident Energy (MeV)

13-A1-27

MAT 1325

(n,2n)
Cross Section

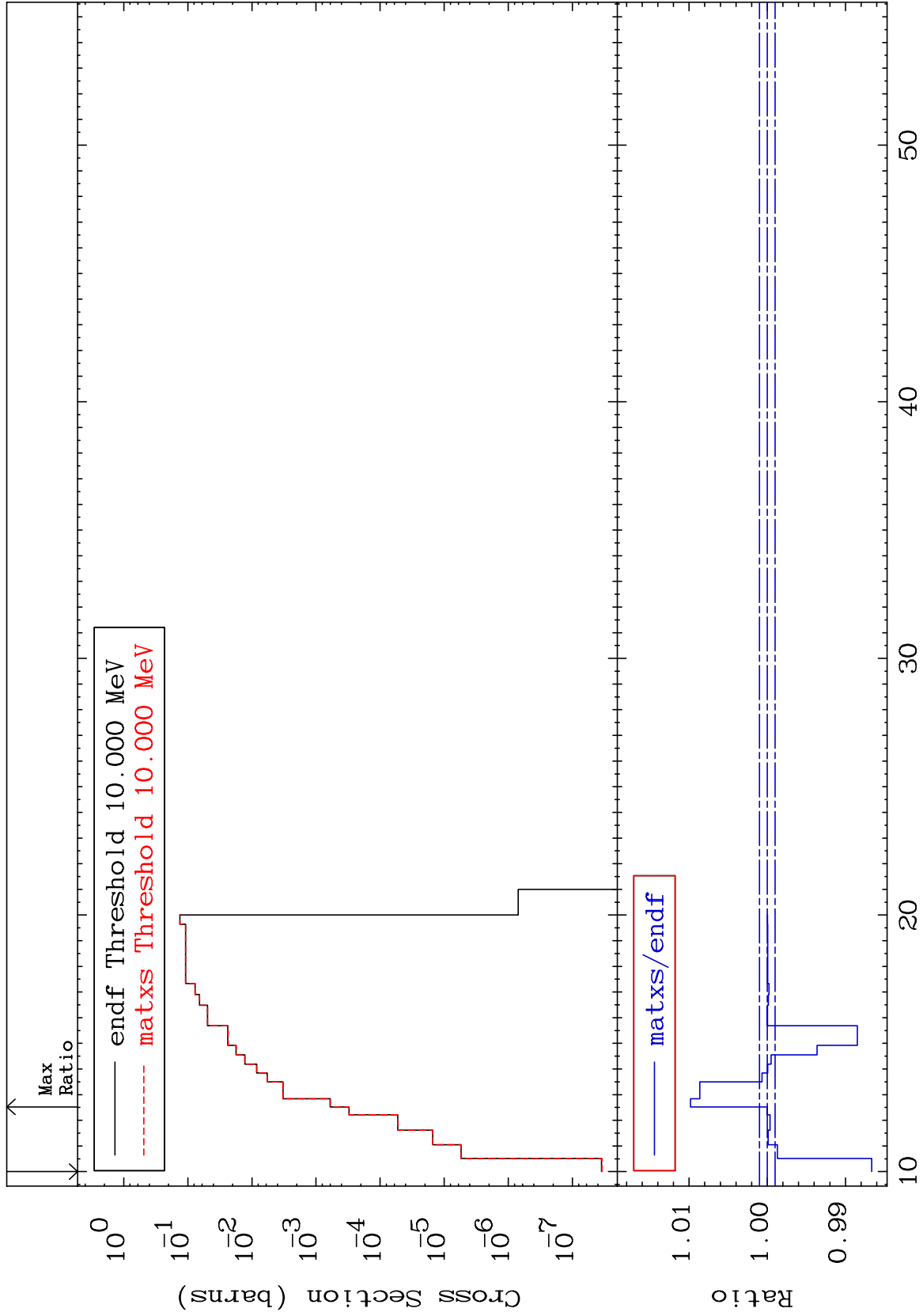
13-A1-27
-0.986 To 0.289 %



MAT 1325

(n, n') α
Cross Section

13-A1-27
-1.335 To 0.981 %



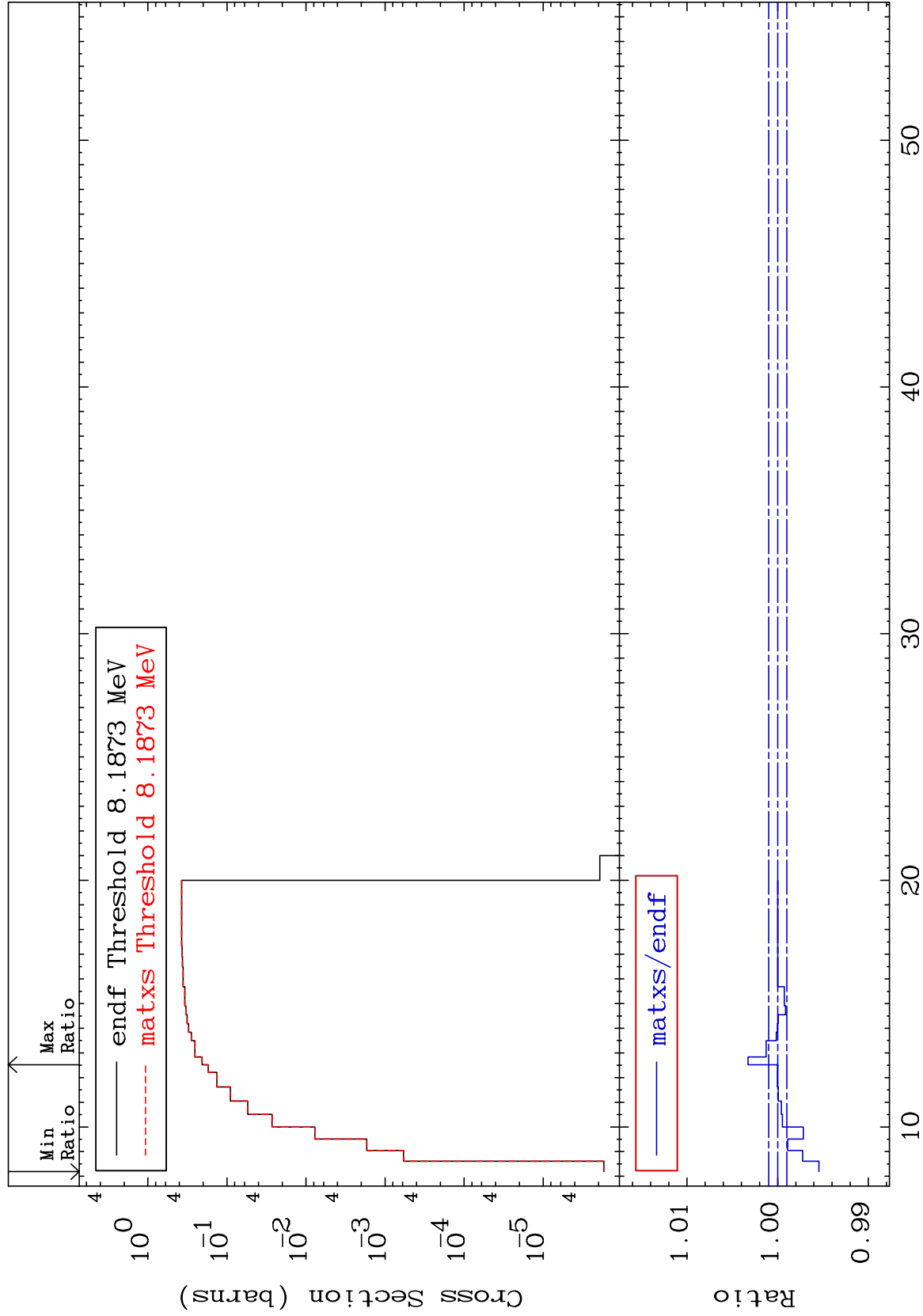
4

13-A1-27

MAT 1325

(n, n') p
Cross Section

13-A1-27
-0.454 To 0.328 %



5

Incident Energy (MeV)

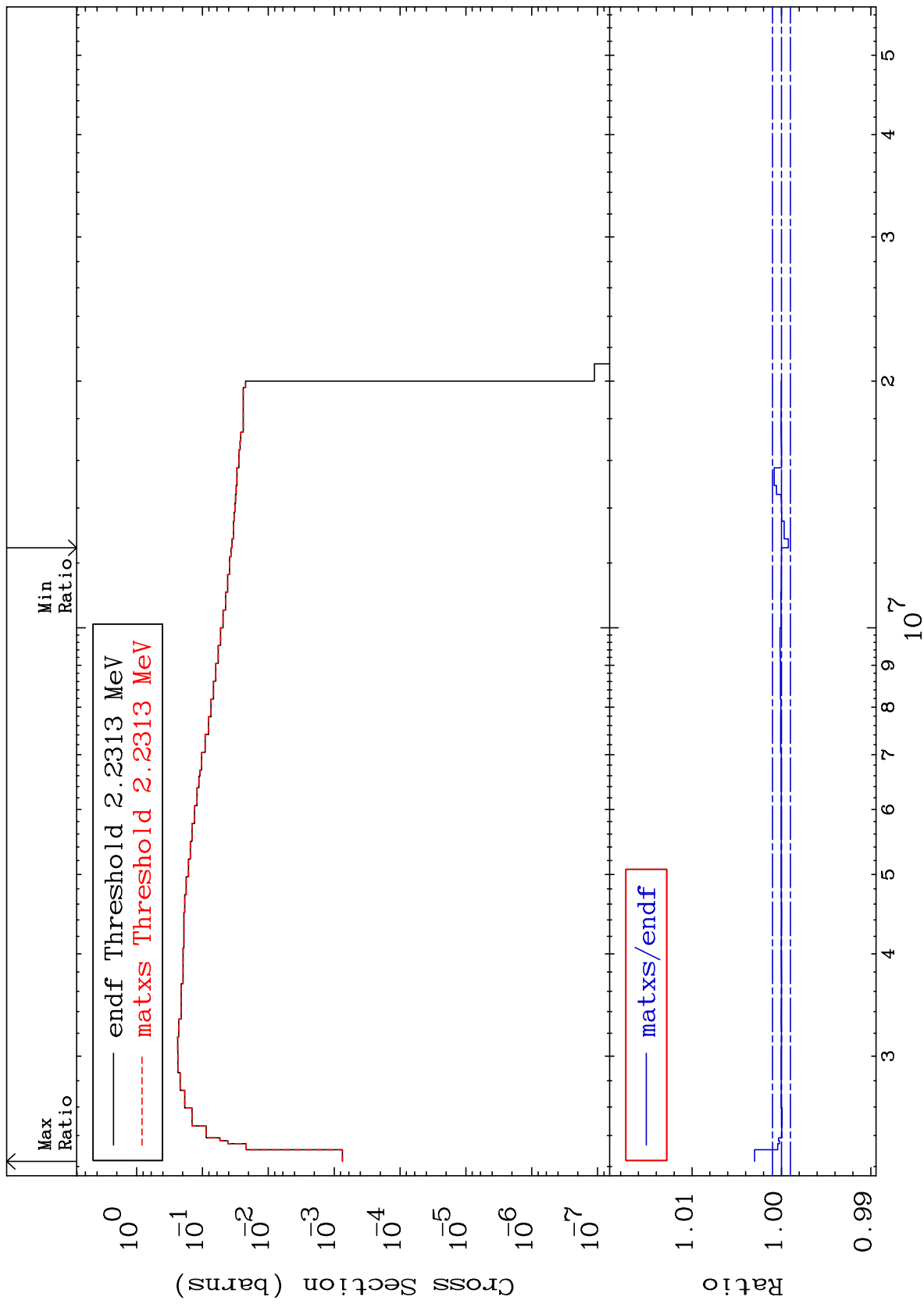
50

13-A1-27

MAT 1325

2.211 MeV (n,n') Level
Cross Section

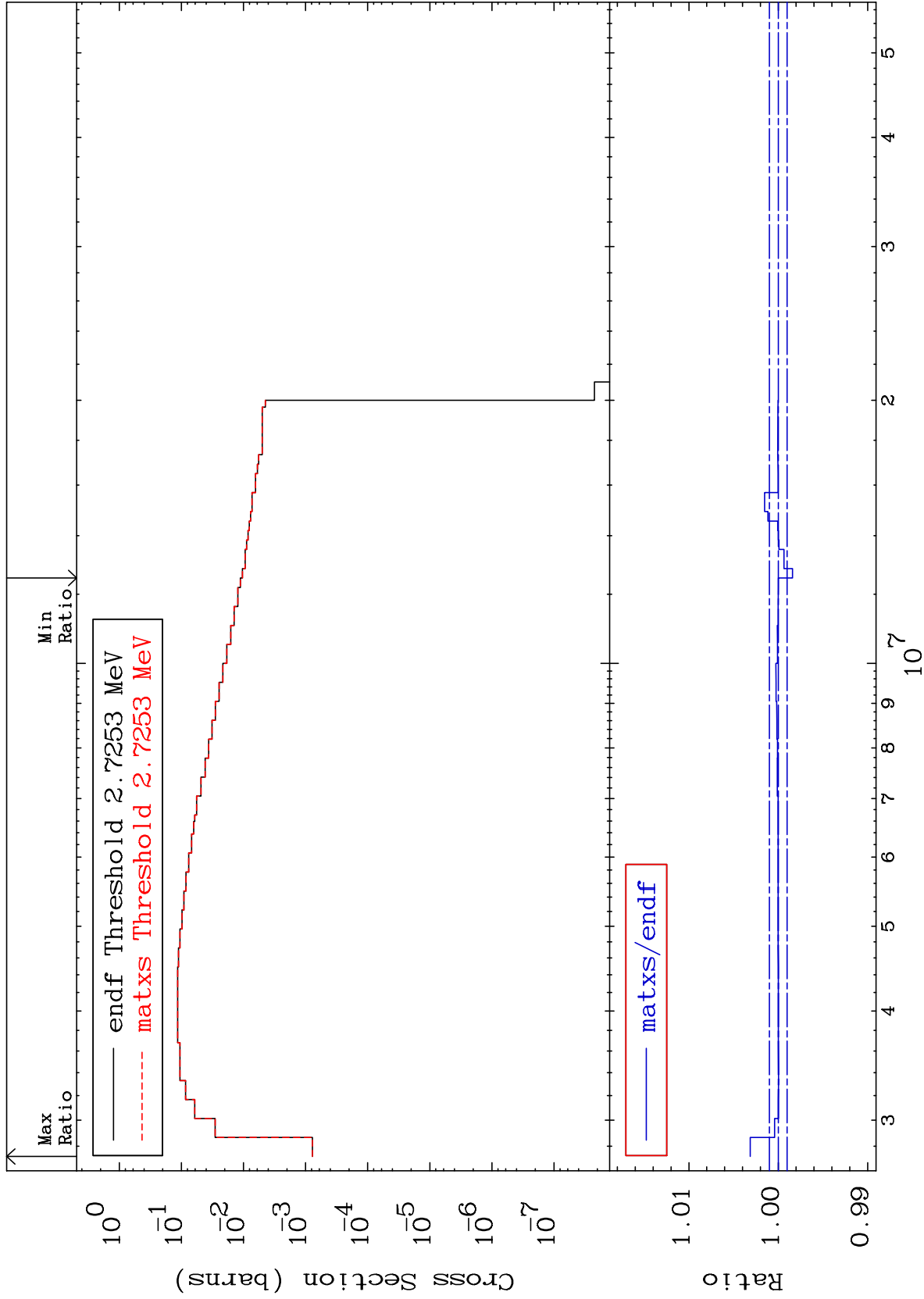
13-A1-27
-0.077 To 0.301 %



MAT 1325

2.735 MeV (n,n') Level
Cross Section

13-A1-27
-0.159 To 0.313 %



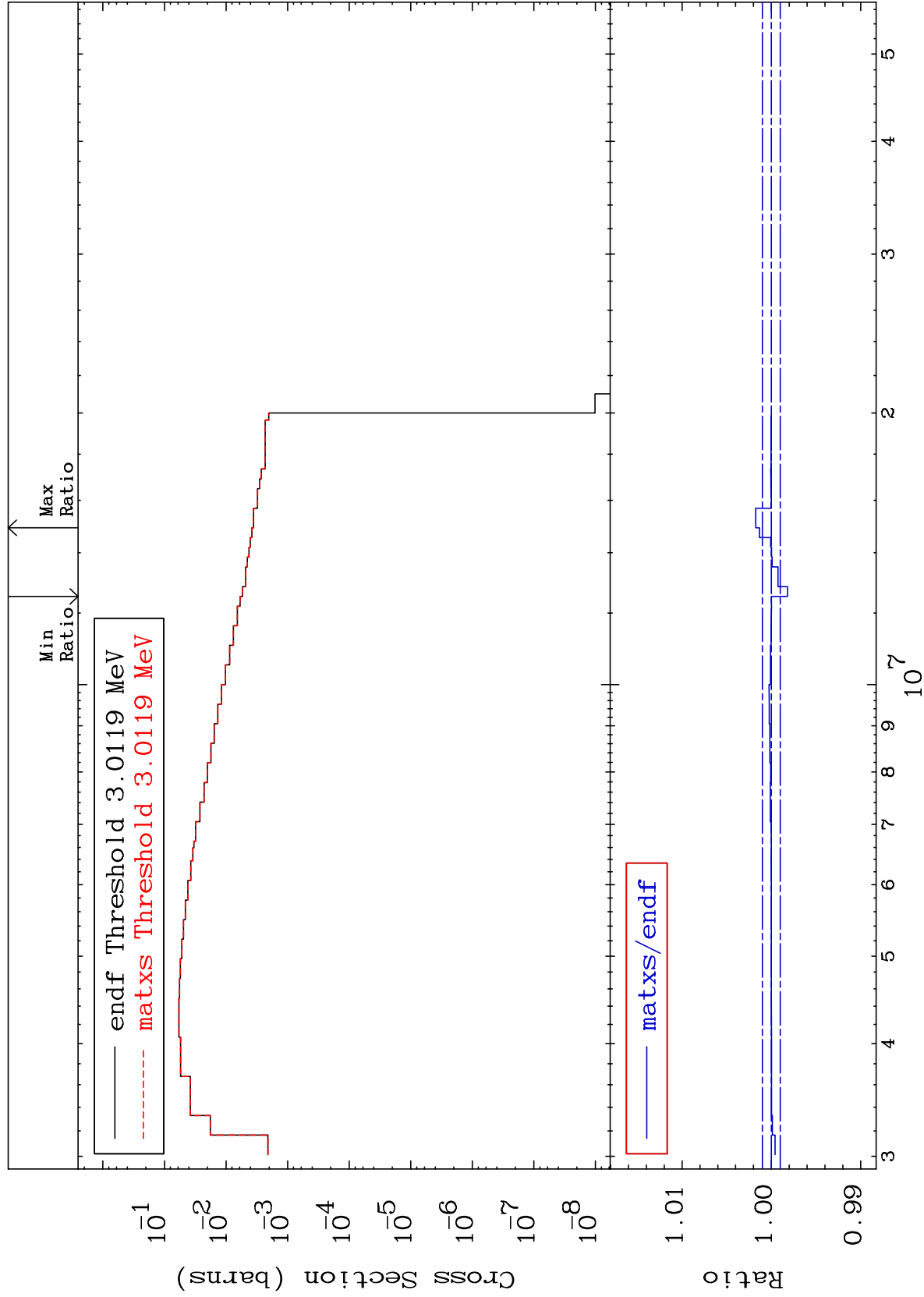
7

13-A1-27

MAT 1325

2.981 MeV (n,n') Level
Cross Section

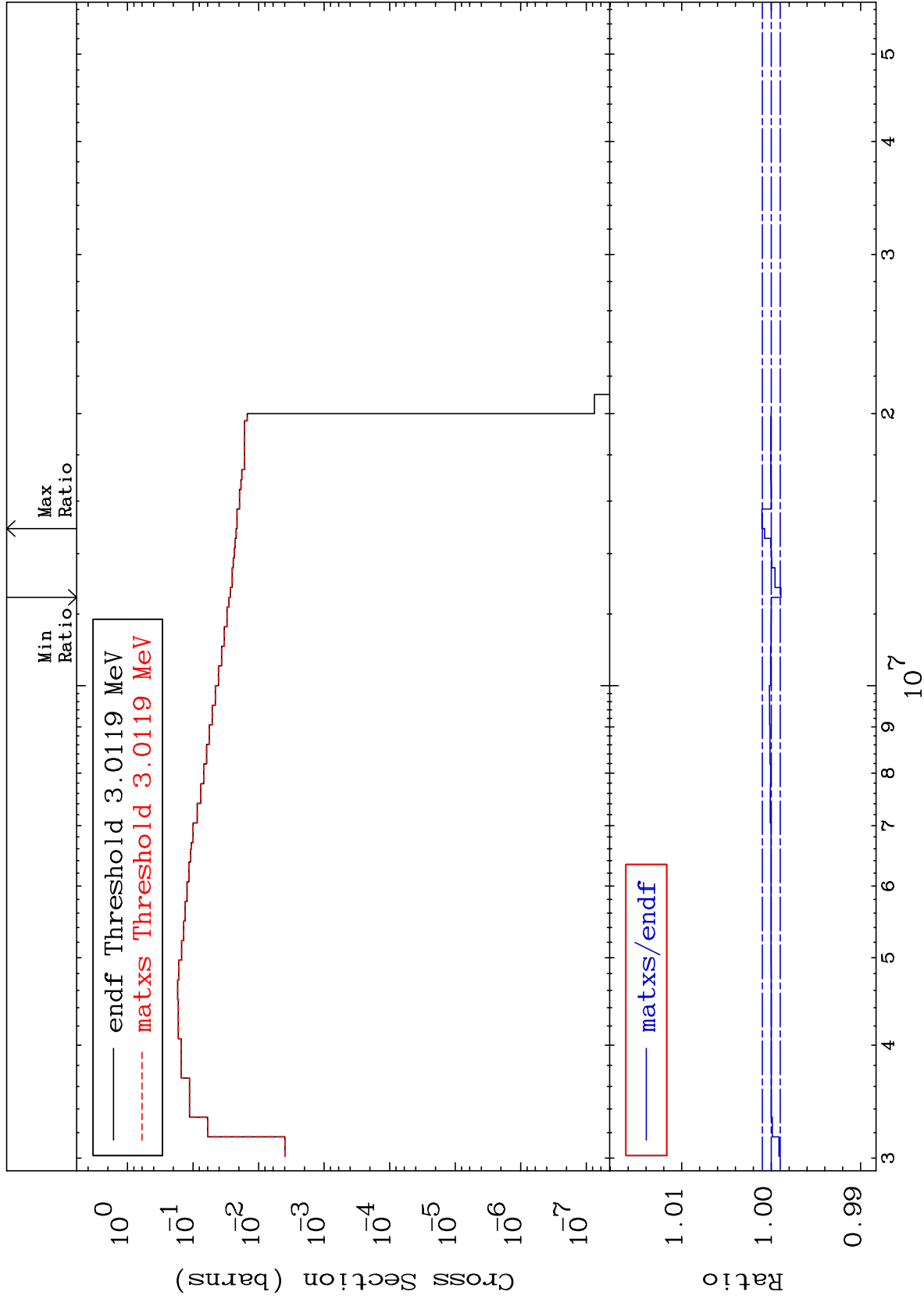
13-A1-27
-0.182 To 0.175 %



MAT 1325

3.004 MeV (n,n') Level
Cross Section

13-A1-27
-0.108 To 0.104 %



9

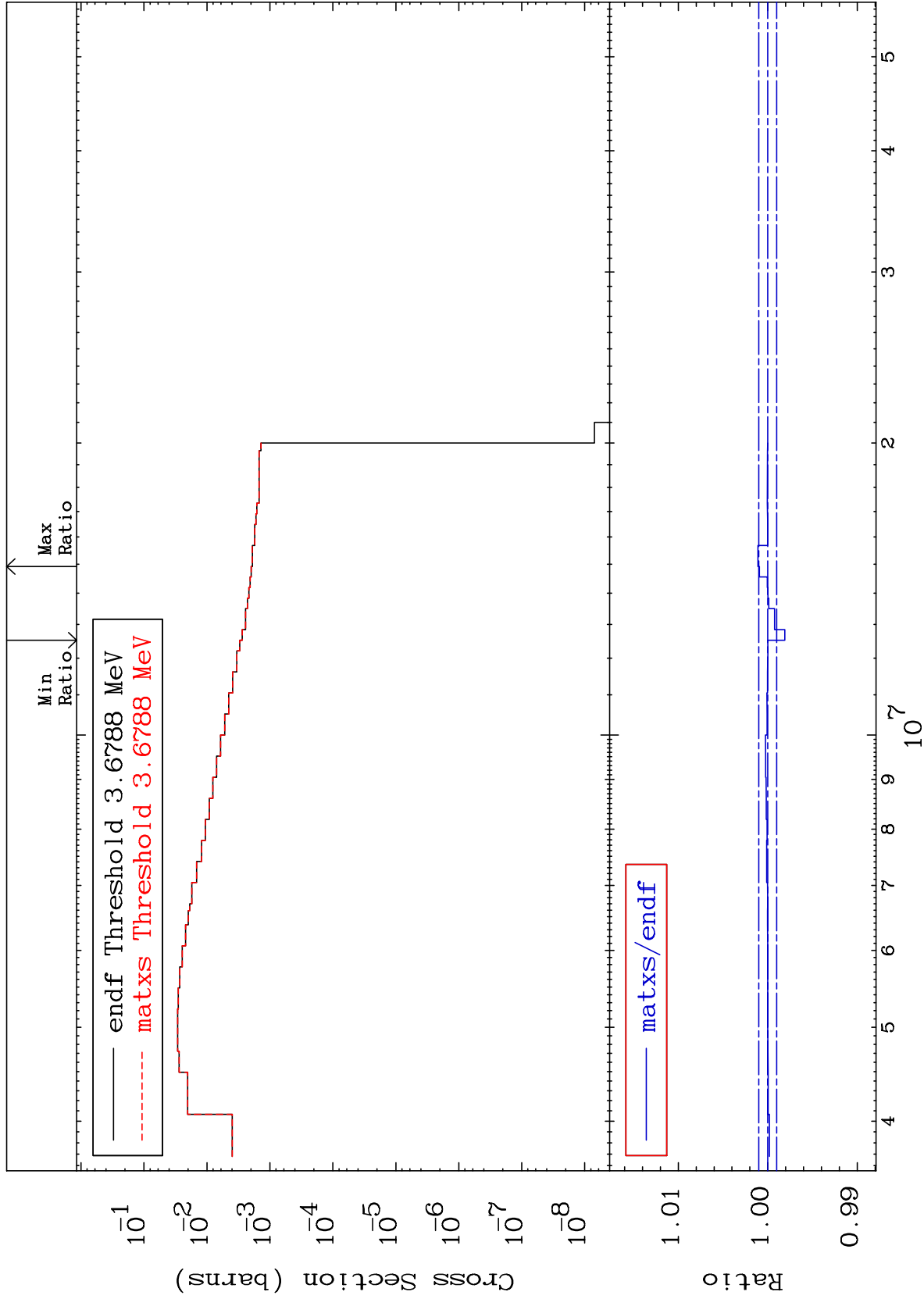
Incident Energy (eV)

13-A1-27

MAT 1325

3.680 MeV (n,n') Level
Cross Section

13-A1-27
-0.191 To 0.110 %



10

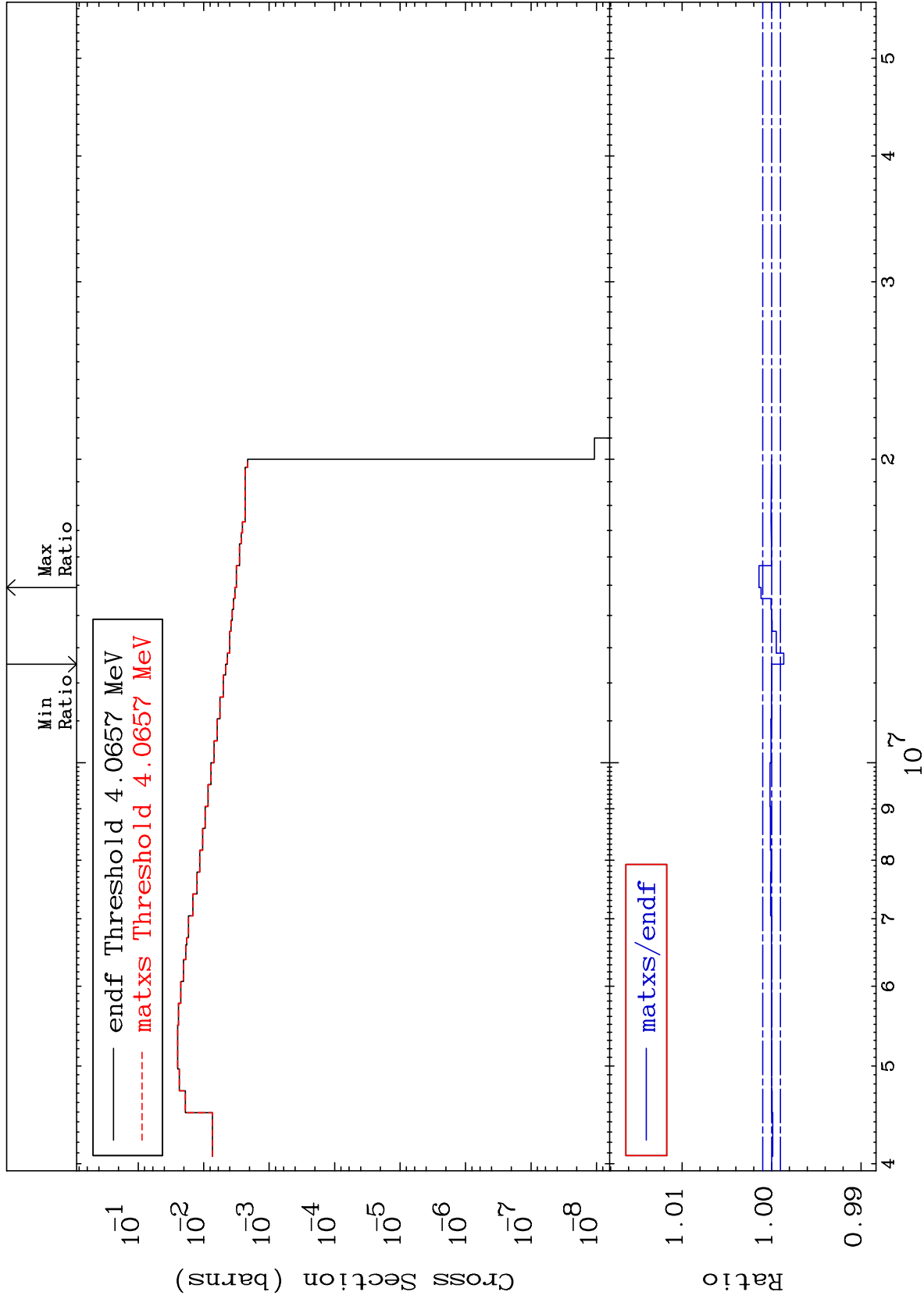
Incident Energy (eV)

13-A1-27

MAT 1325

3.957 MeV (n,n') Level
Cross Section

13-A1-27
-0.136 To 0.140 %



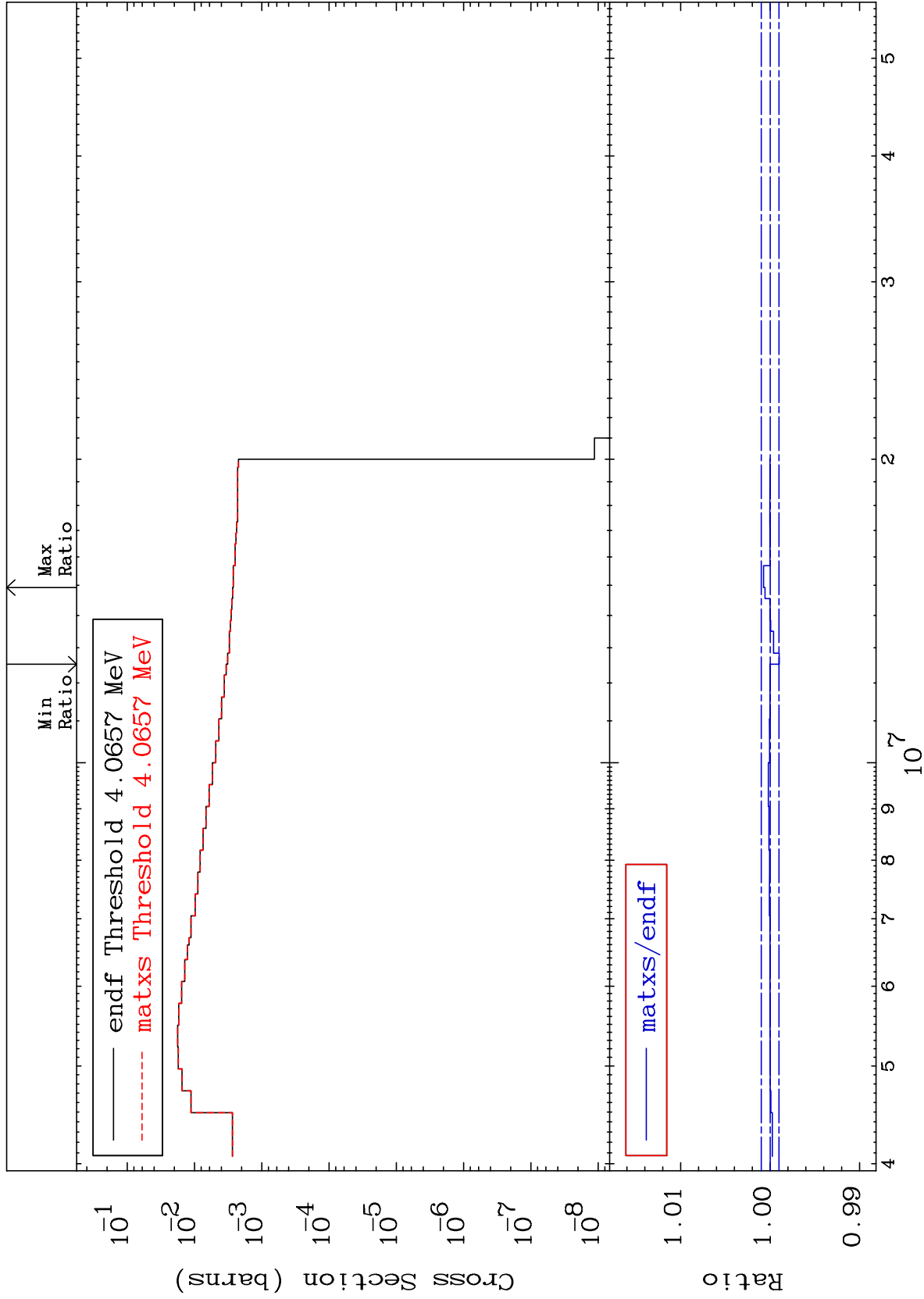
11

13-A1-27

MAT 1325

4.054 MeV (n,n') Level
Cross Section

13-A1-27
-0.102 To 0.074 %



12

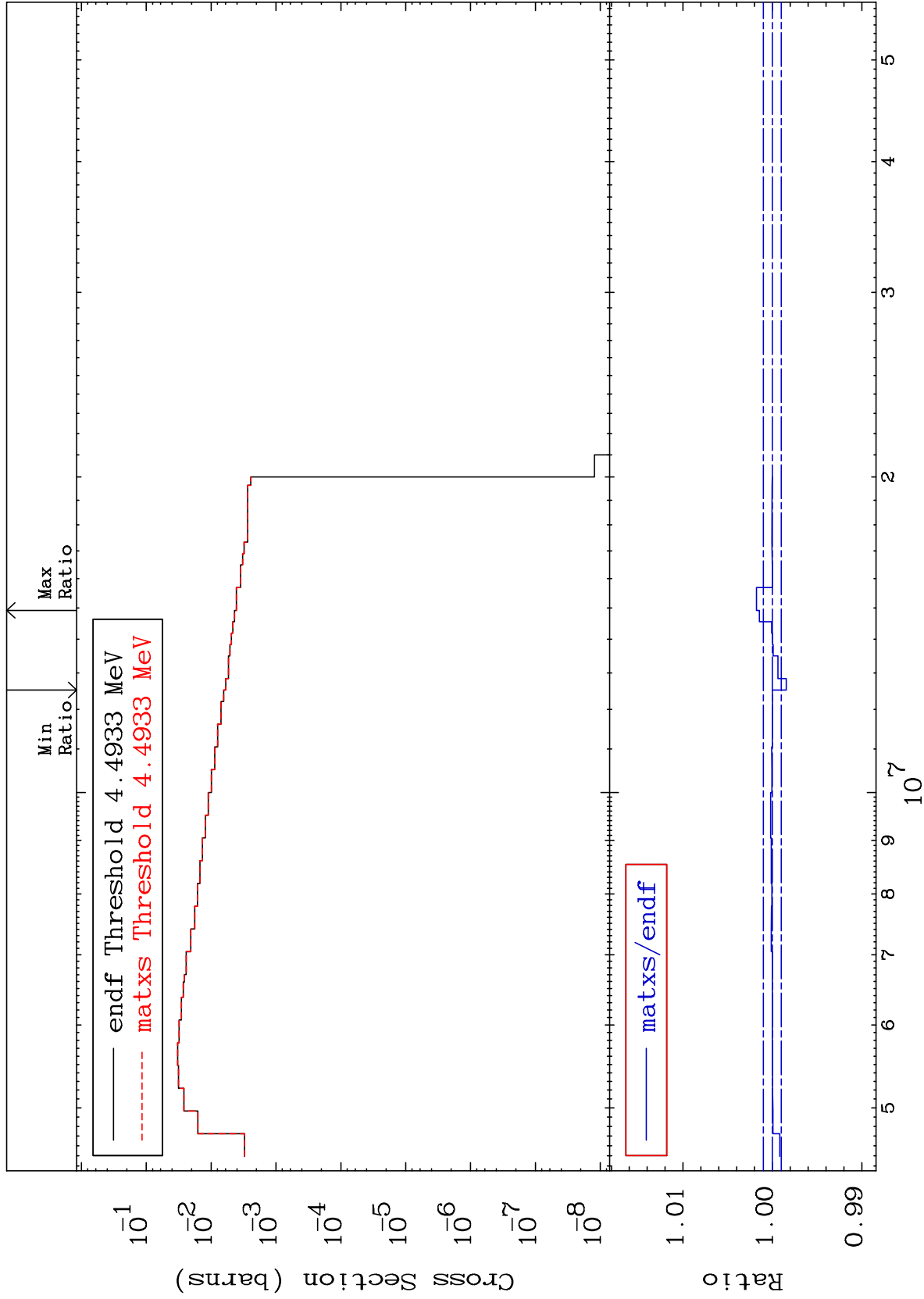
Incident Energy (eV)

13-A1-27

MAT 1325

4.410 MeV (n,n') Level
Cross Section

13-A1-27
-0.155 To 0.178 %



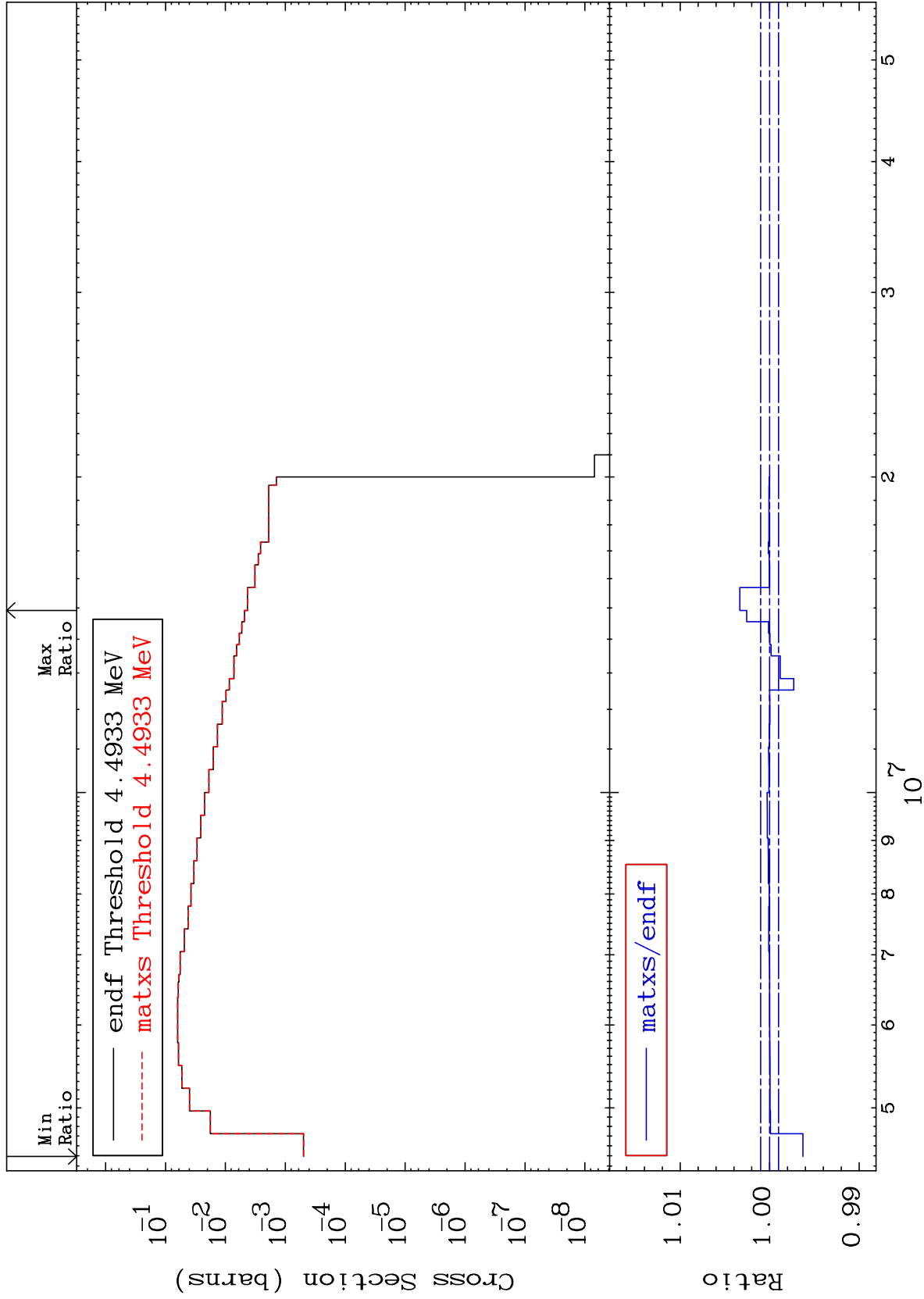
13

13-A1-27

MAT 1325

4.510 MeV (n,n') Level
Cross Section

13-A1-27
-0.373 To 0.334 %



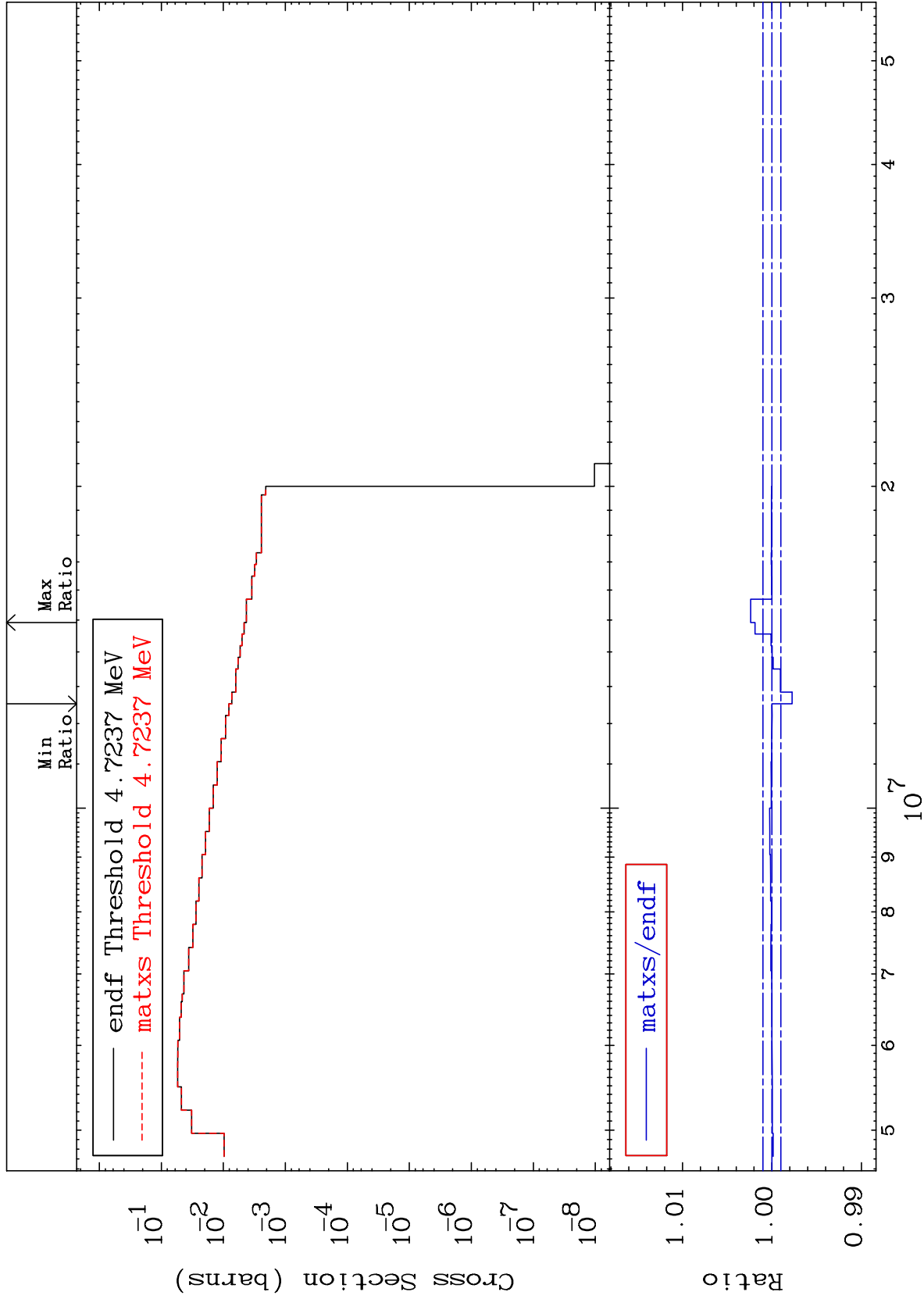
14

13-A1-27

MAT 1325

4.580 MeV (n,n') Level
Cross Section

13-A1-27
-0.226 To 0.239 %



15

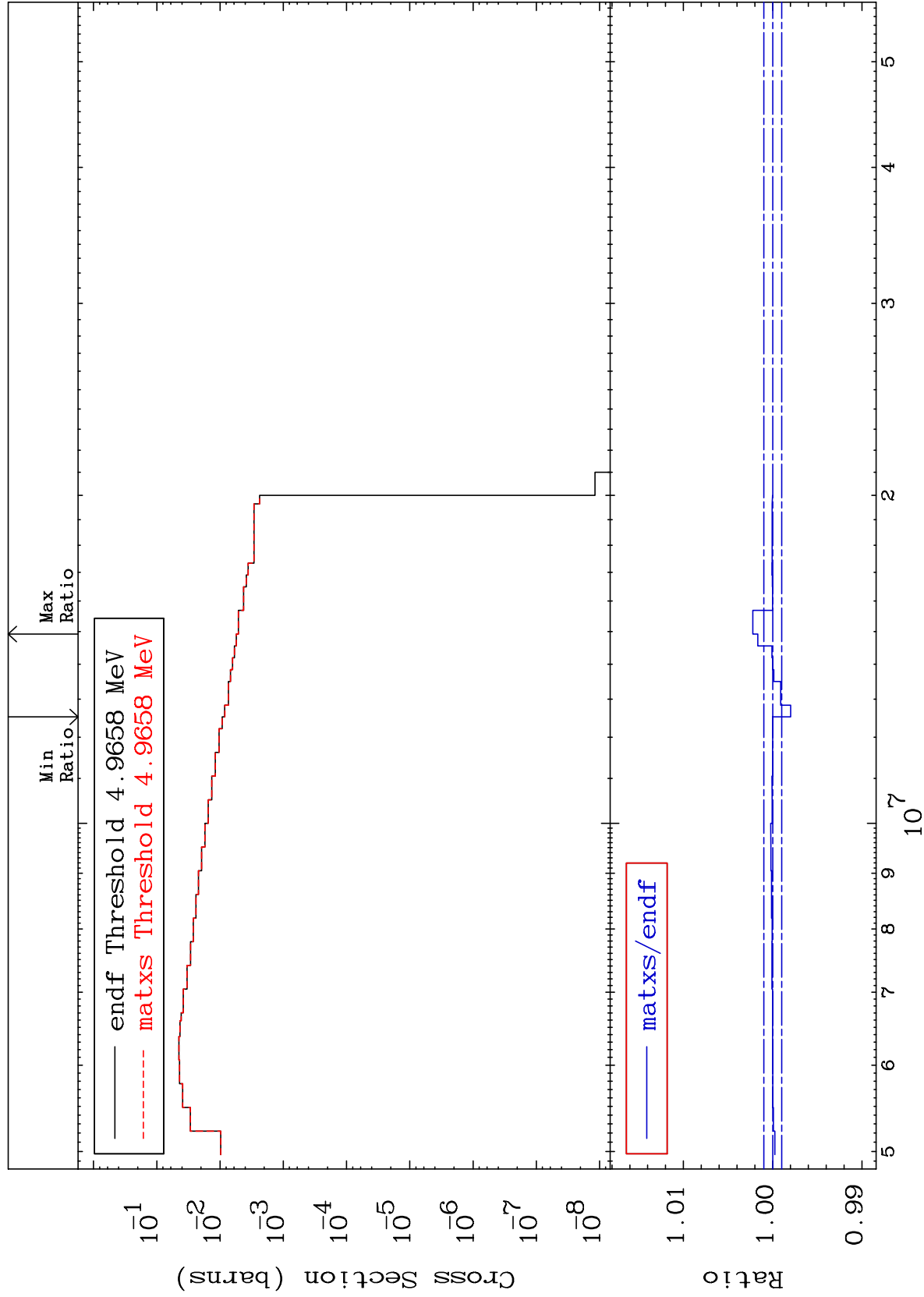
Incident Energy (eV)

13-A1-27

MAT 1325

4.812 MeV (n,n') Level
Cross Section

13-A1-27
-0.200 To 0.223 %



16

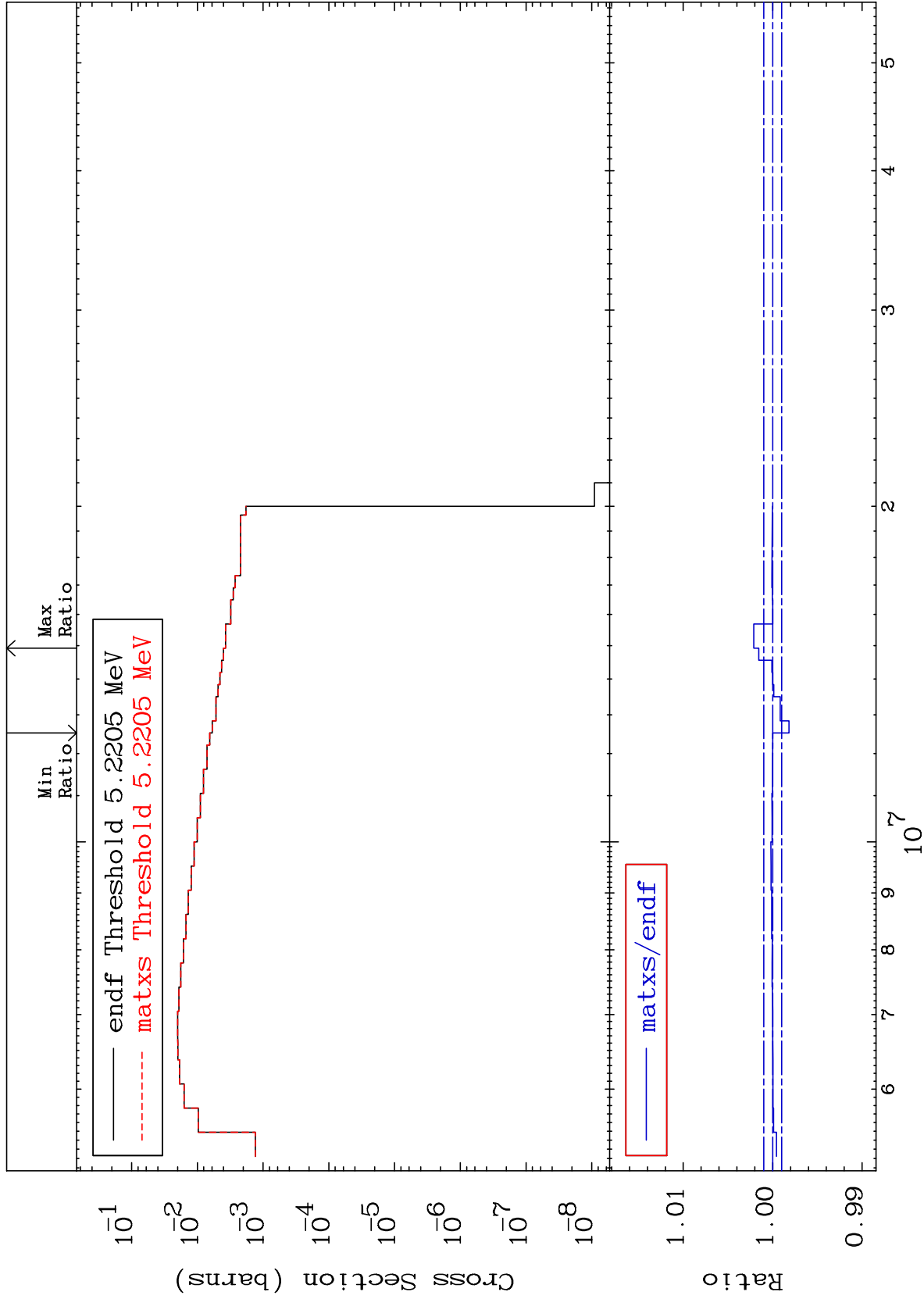
Incident Energy (eV)

13-A1-27

MAT 1325

5.156 MeV (n,n') Level
Cross Section

13-A1-27
-0.181 To 0.210 %



17

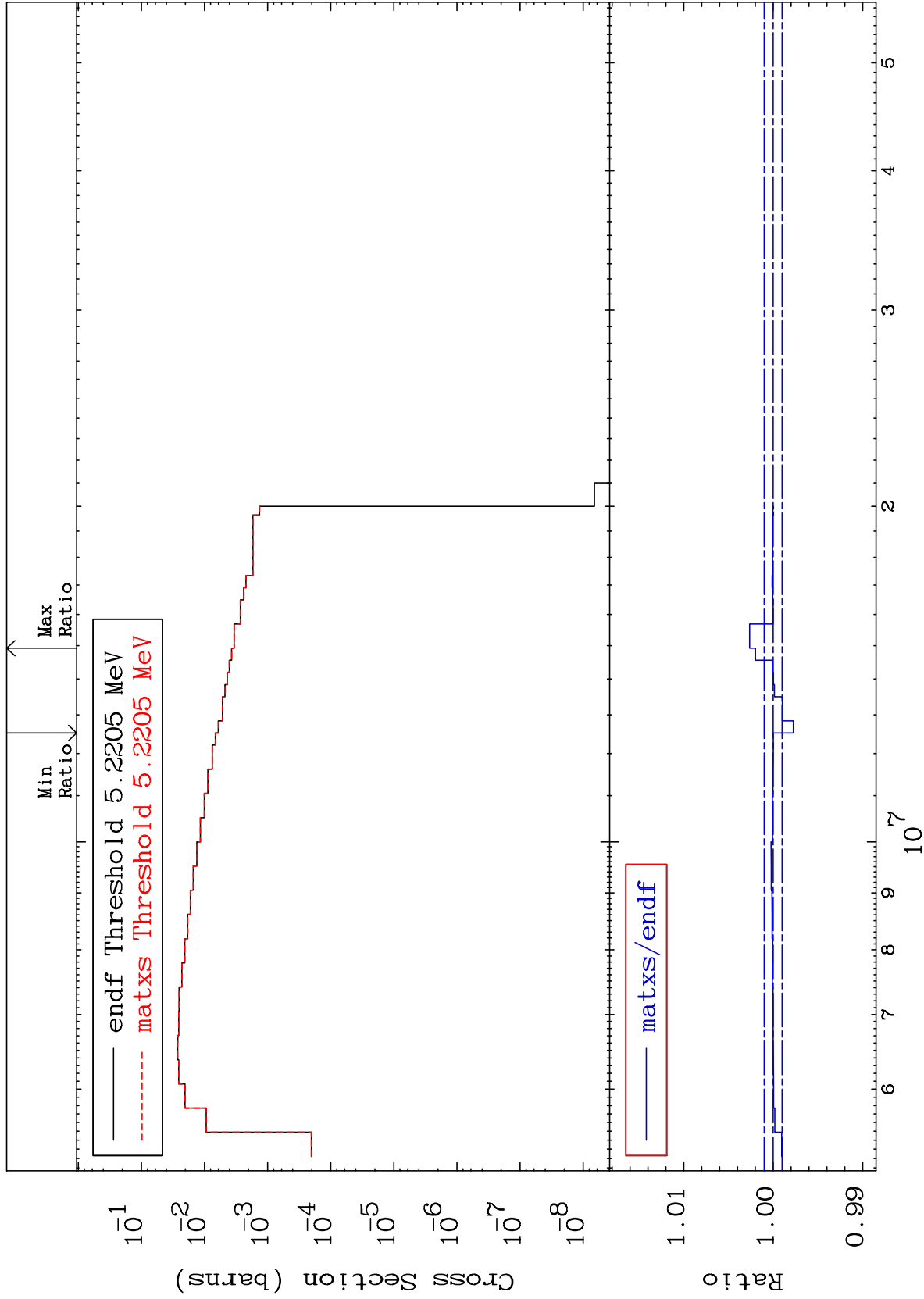
Incident Energy (eV)

13-A1-27

MAT 1325

5.248 MeV (n,n') Level
Cross Section

13-A1-27
-0.224 To 0.264 %



18

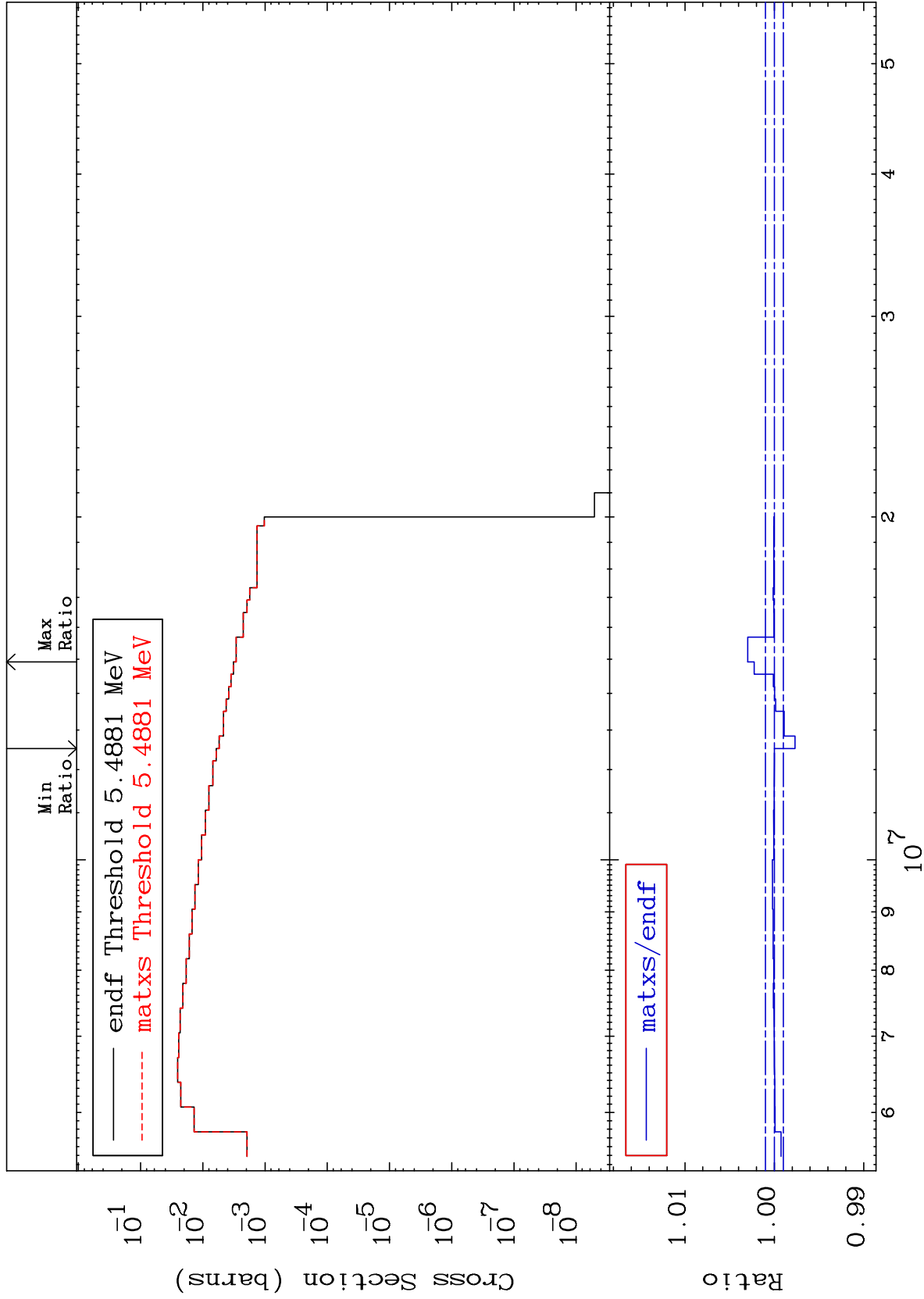
Incident Energy (eV)

13-A1-27

MAT 1325

5.420 MeV (n,n') Level
Cross Section

13-A1-27
-0.231 To 0.297 %



19

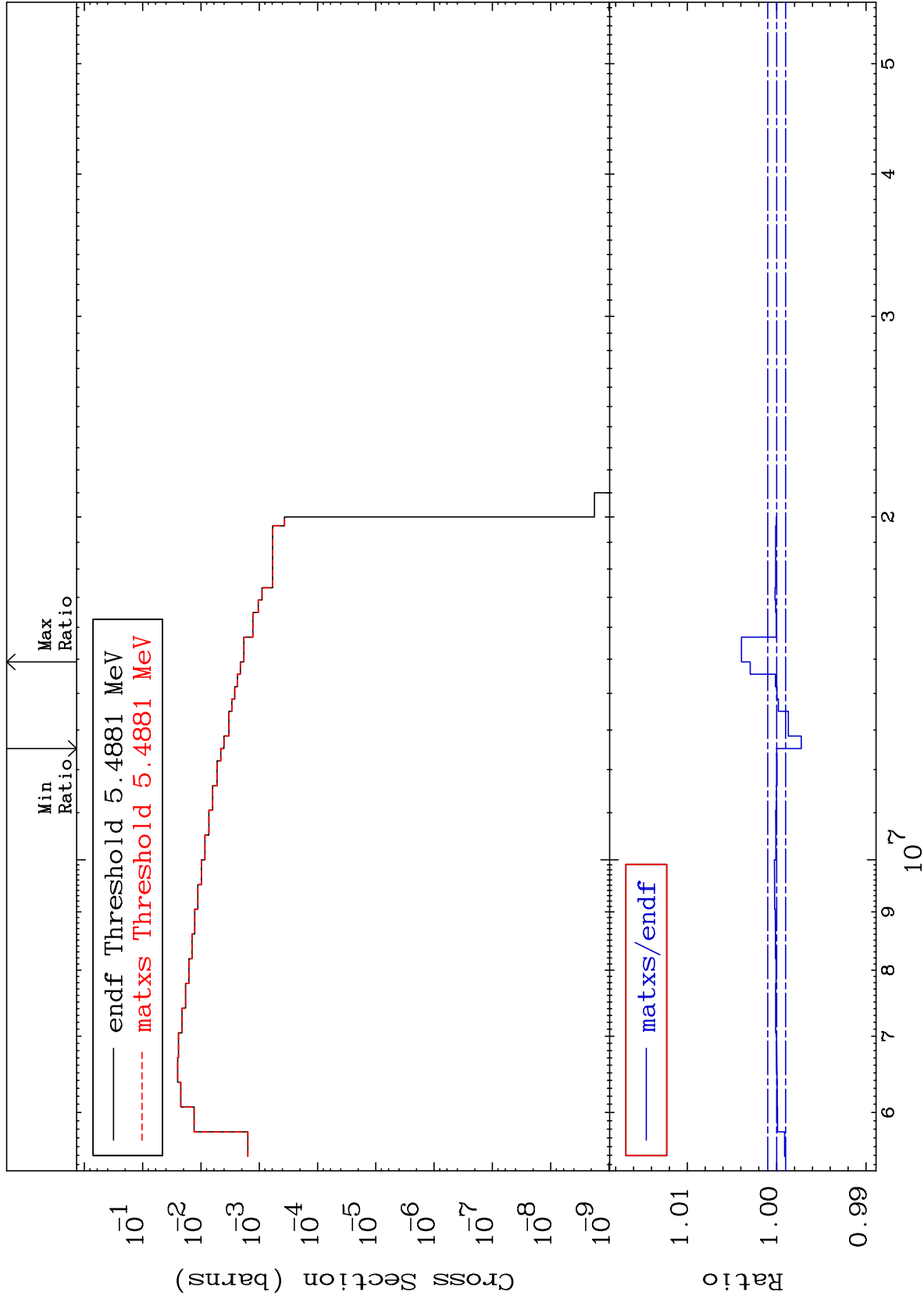
Incident Energy (eV)

13-A1-27

MAT 1325

5.433 MeV (n,n') Level
Cross Section

13-A1-27
-0.276 To 0.394 %



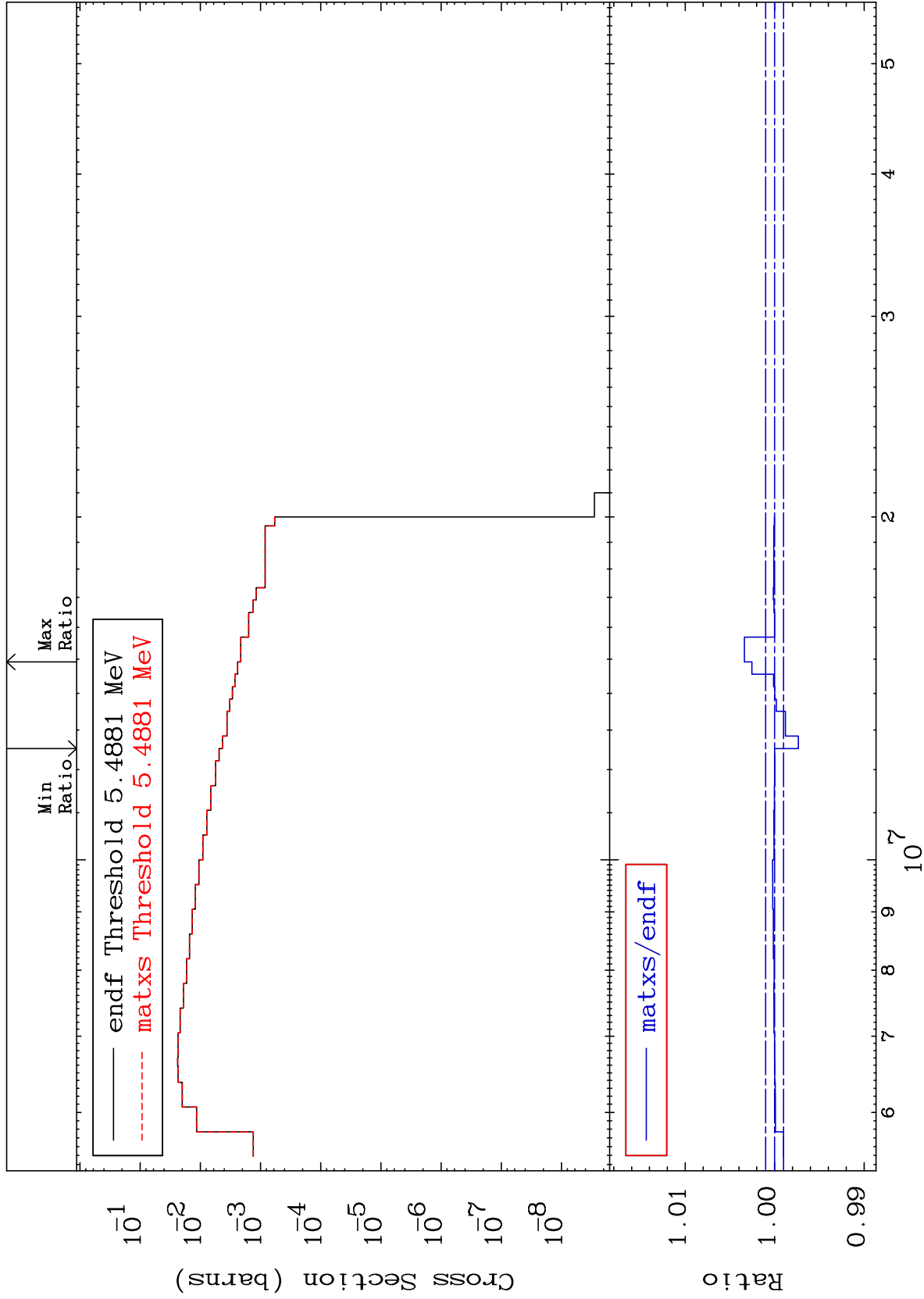
20

13-A1-27

MAT 1325

5.438 MeV (n,n') Level
Cross Section

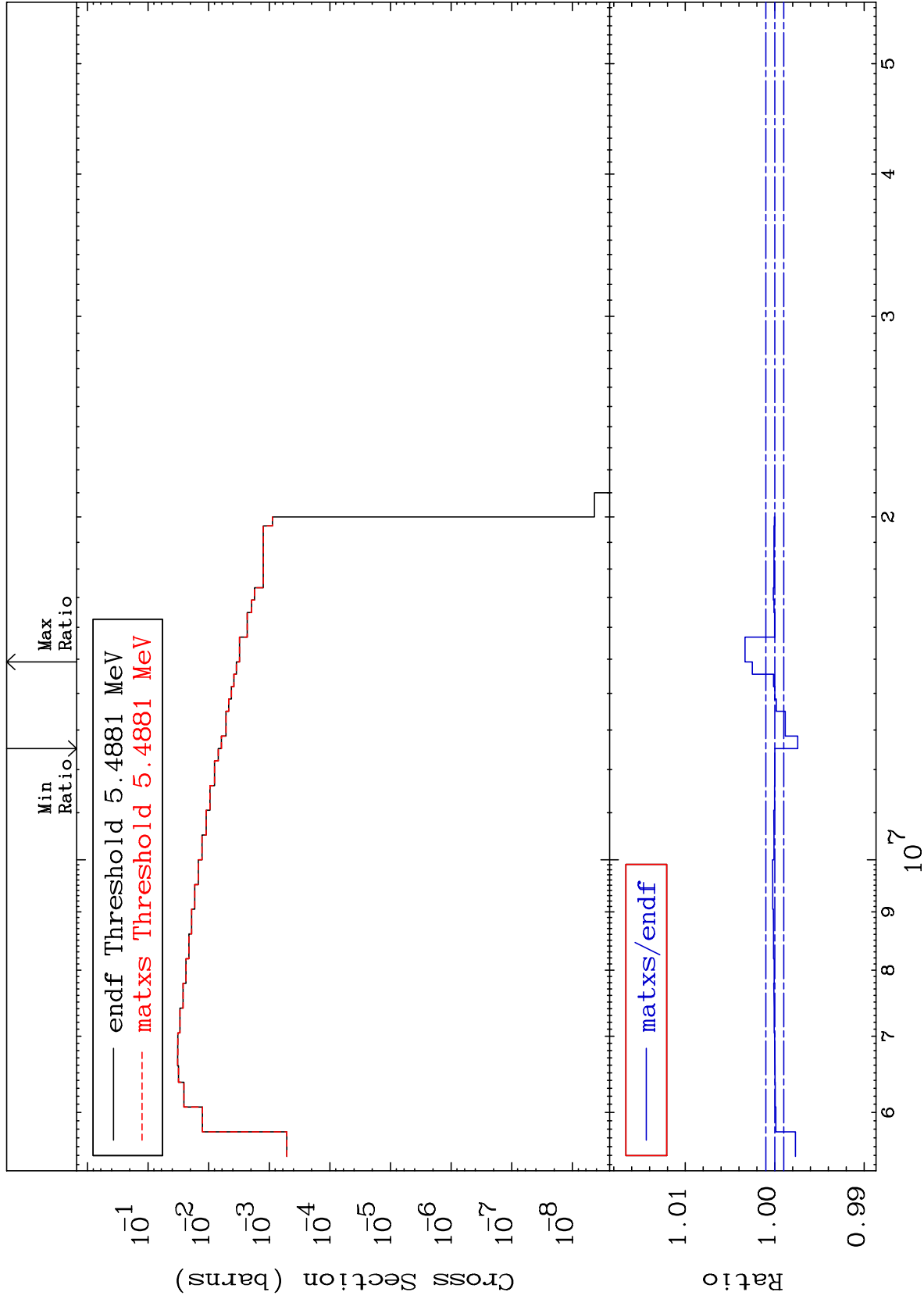
13-A1-27
-0.265 To 0.338 %



MAT 1325

5.500 MeV (n,n') Level
Cross Section

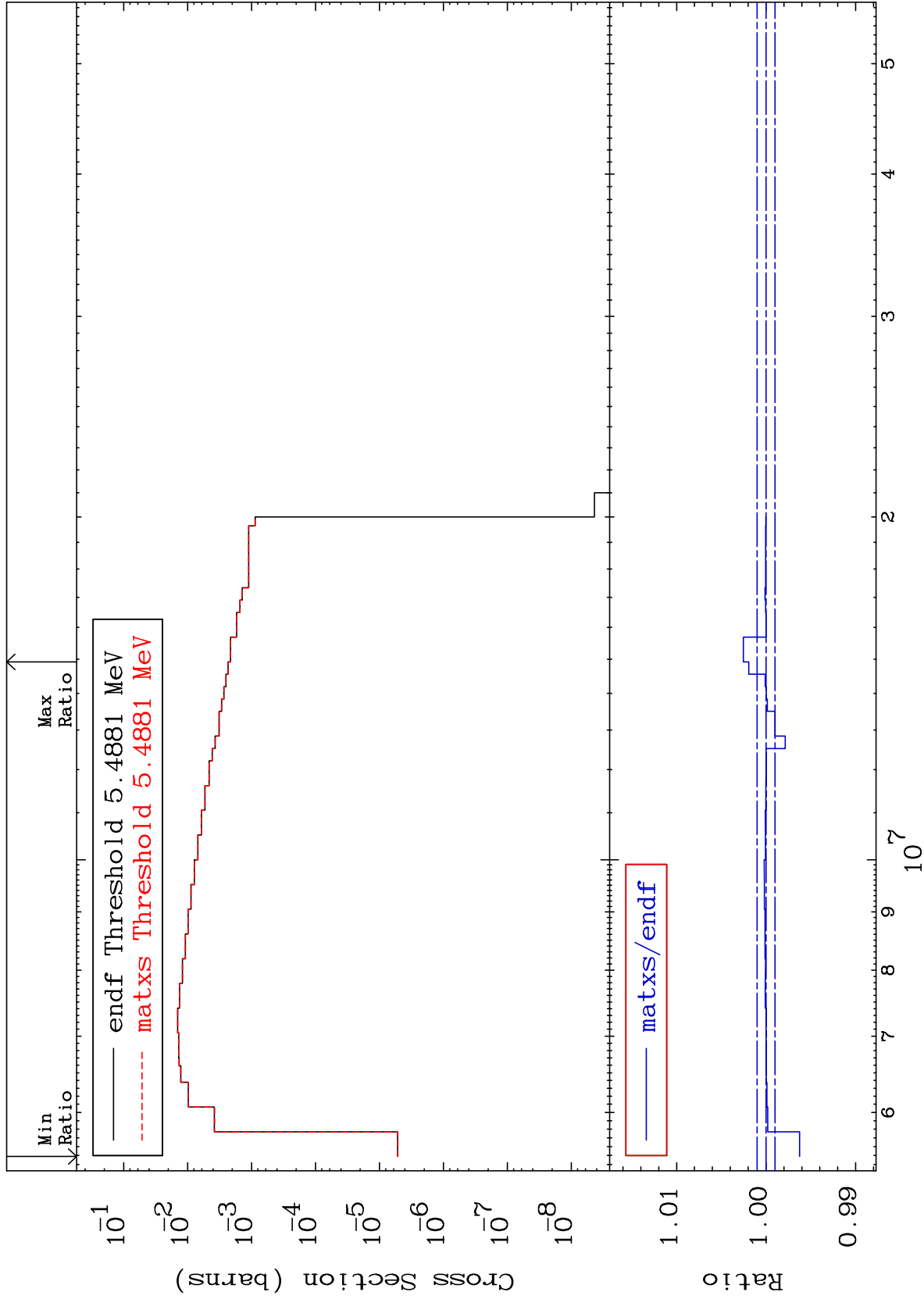
13-A1-27
-0.258 To 0.332 %



MAT 1325

5.551 MeV (n,n') Level
Cross Section

13-A1-27
-0.373 To 0.255 %



23

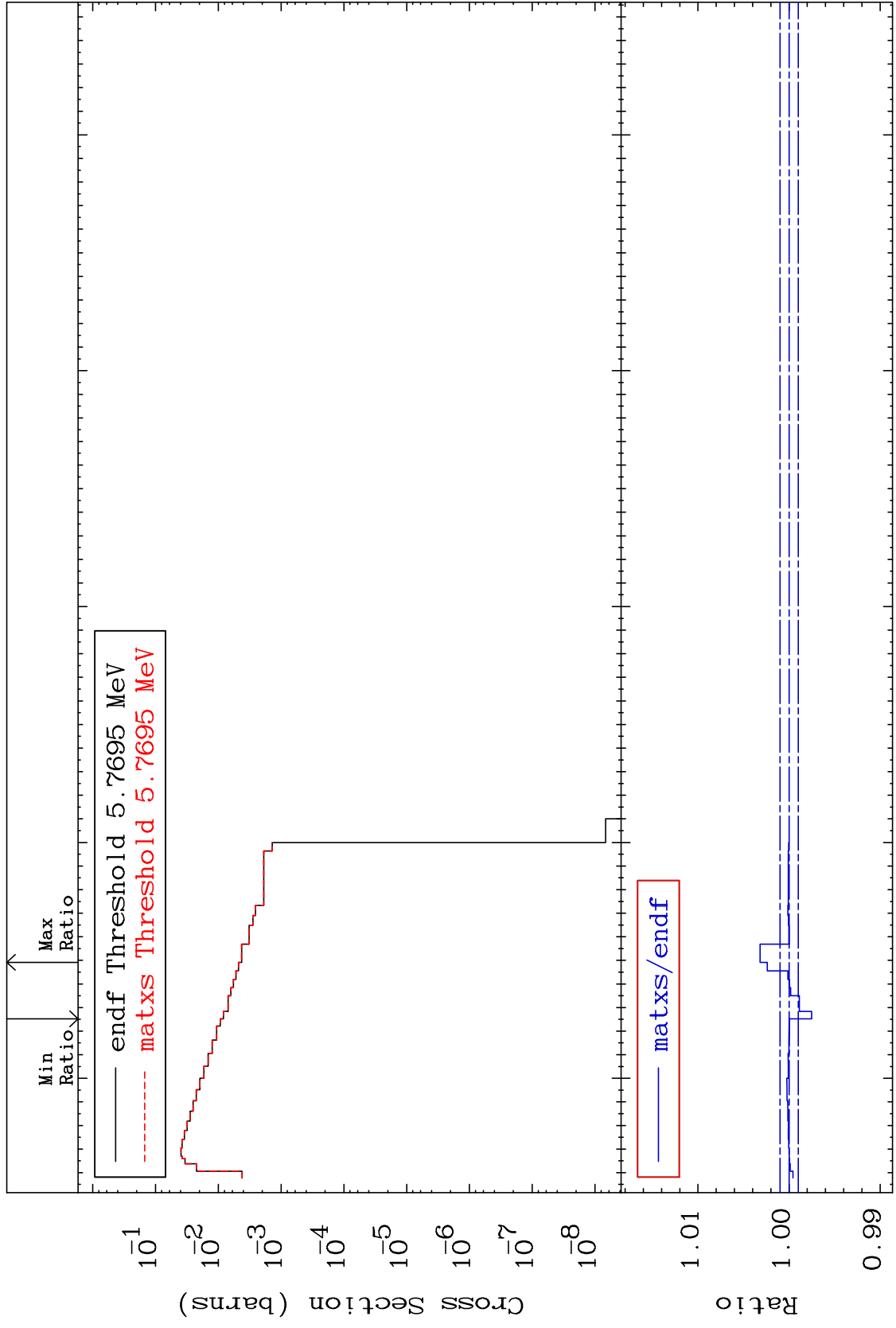
Incident Energy (eV)

13-A1-27

MAT 1325

5.667 MeV (n,n') Level
Cross Section

13-A1-27
-0.248 To 0.318 %



24

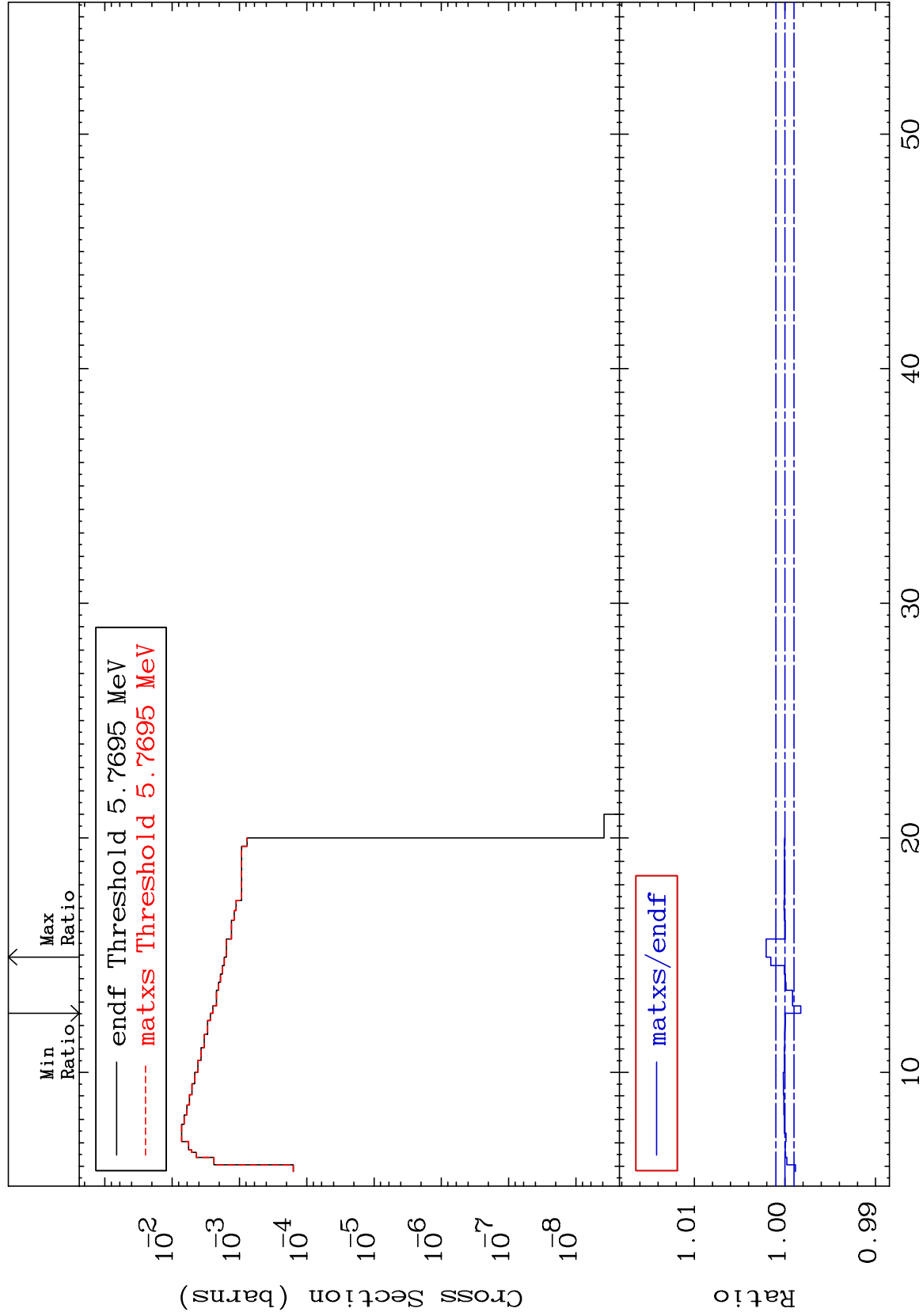
Incident Energy (MeV)

13-A1-27

MAT 1325

5.751 MeV (n,n') Level
Cross Section

13-A1-27
-0.173 To 0.208 %



25

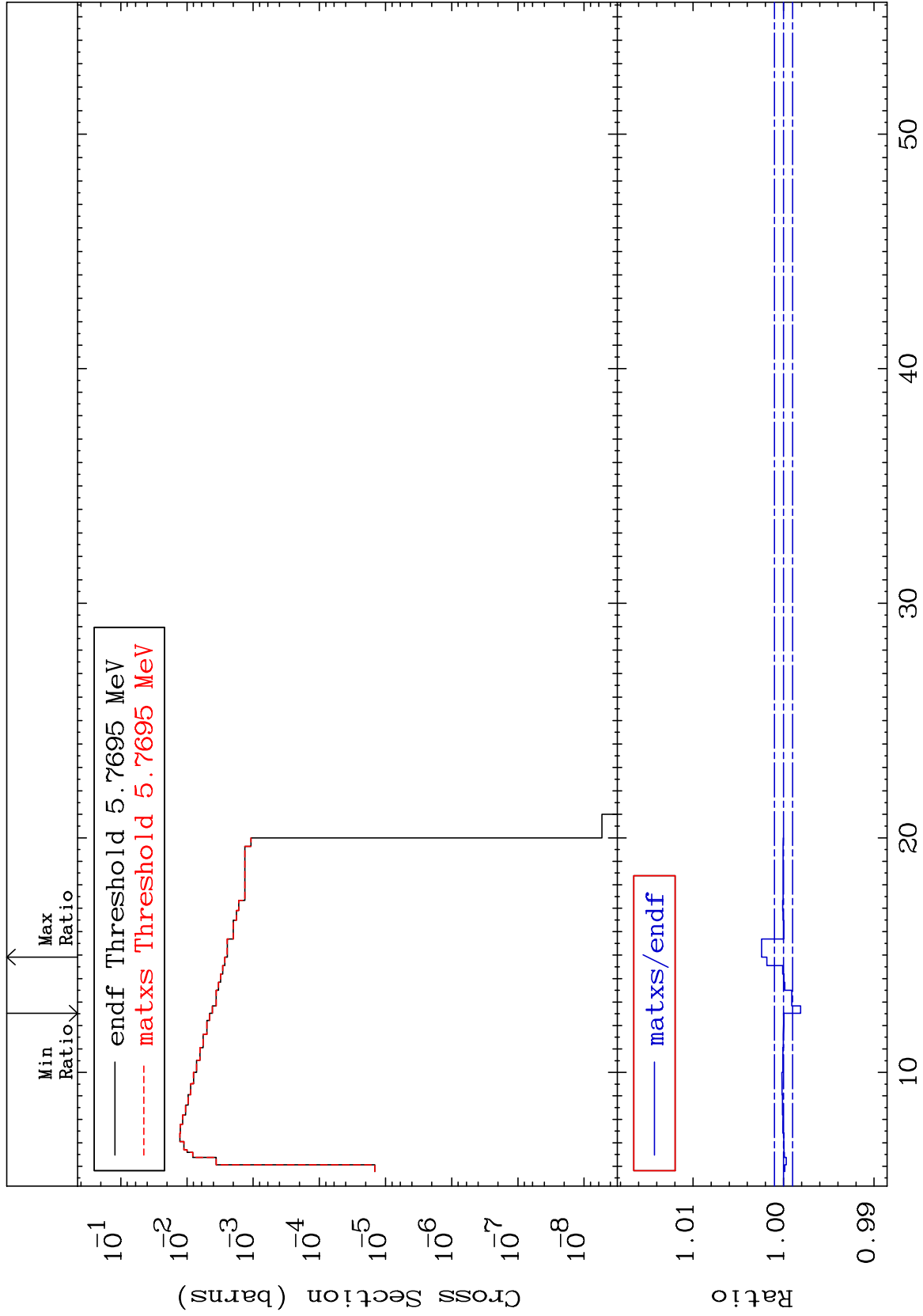
Incident Energy (MeV)

13-A1-27

MAT 1325

5.827 MeV (n,n') Level
Cross Section

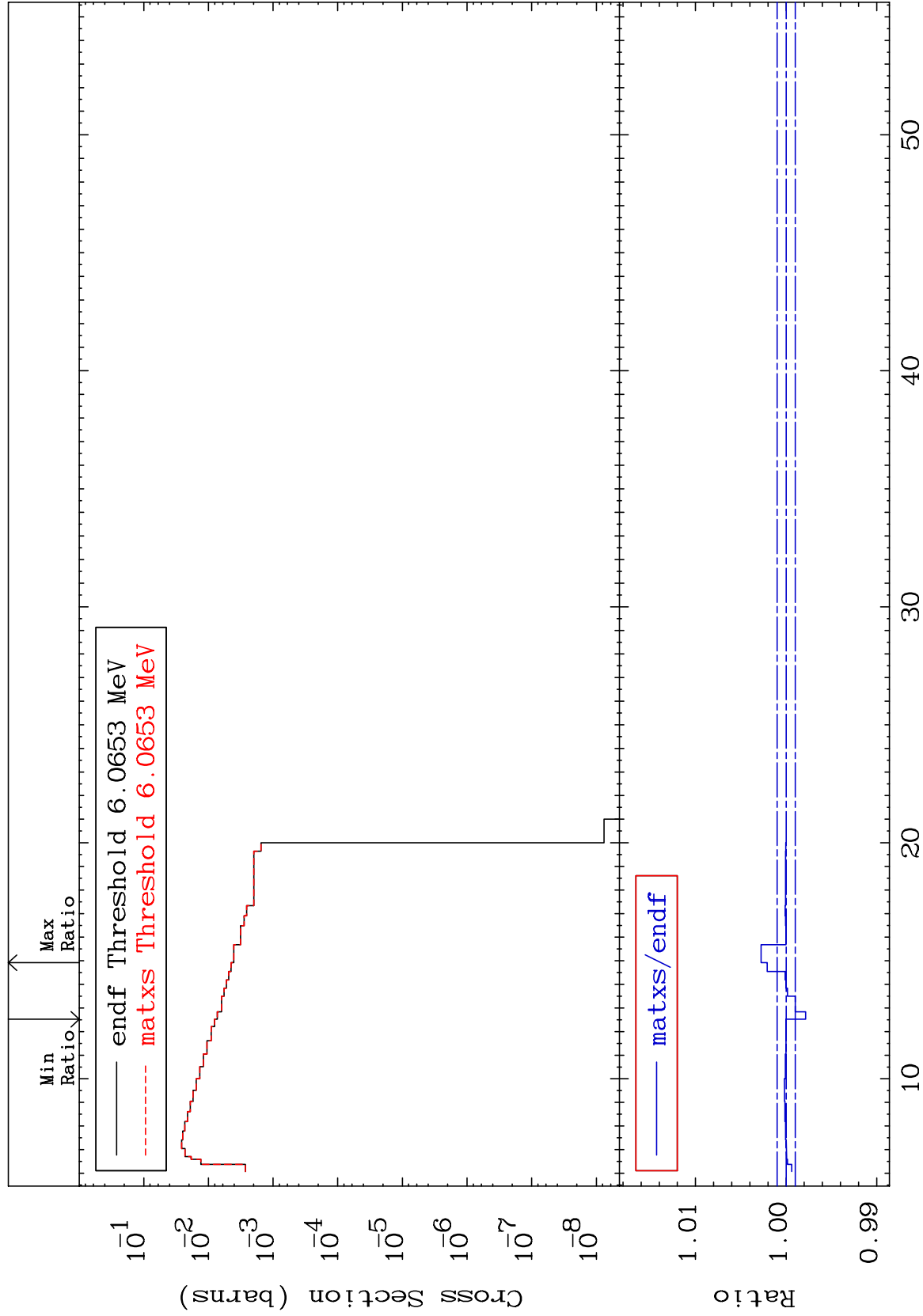
13-A1-27
-0.189 To 0.242 %



MAT 1325

5.960 MeV (n,n') Level
Cross Section

13-A1-27
-0.215 To 0.276 %



27

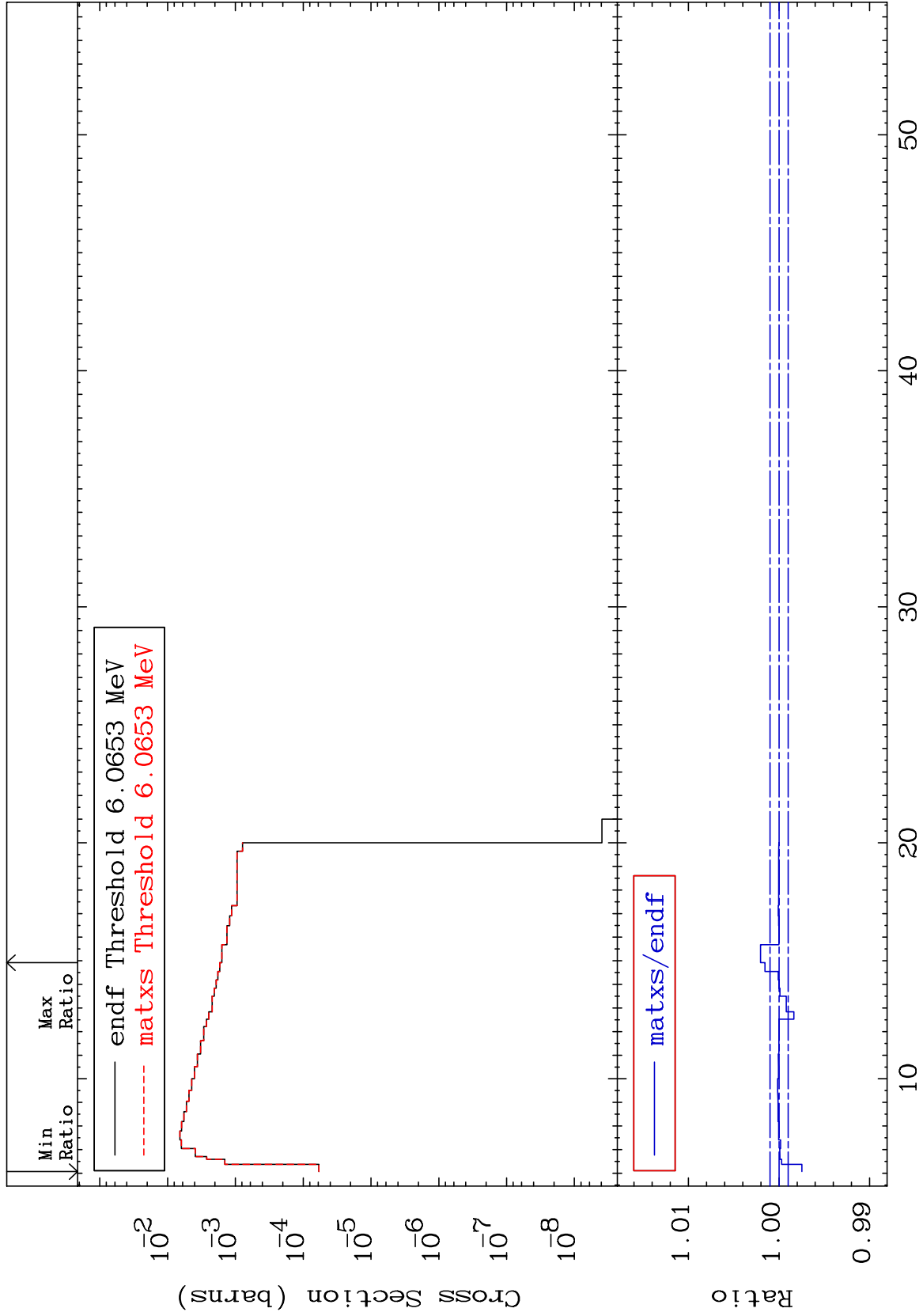
Incident Energy (MeV)

13-A1-27

MAT 1325

6.080 MeV (n,n') Level
Cross Section

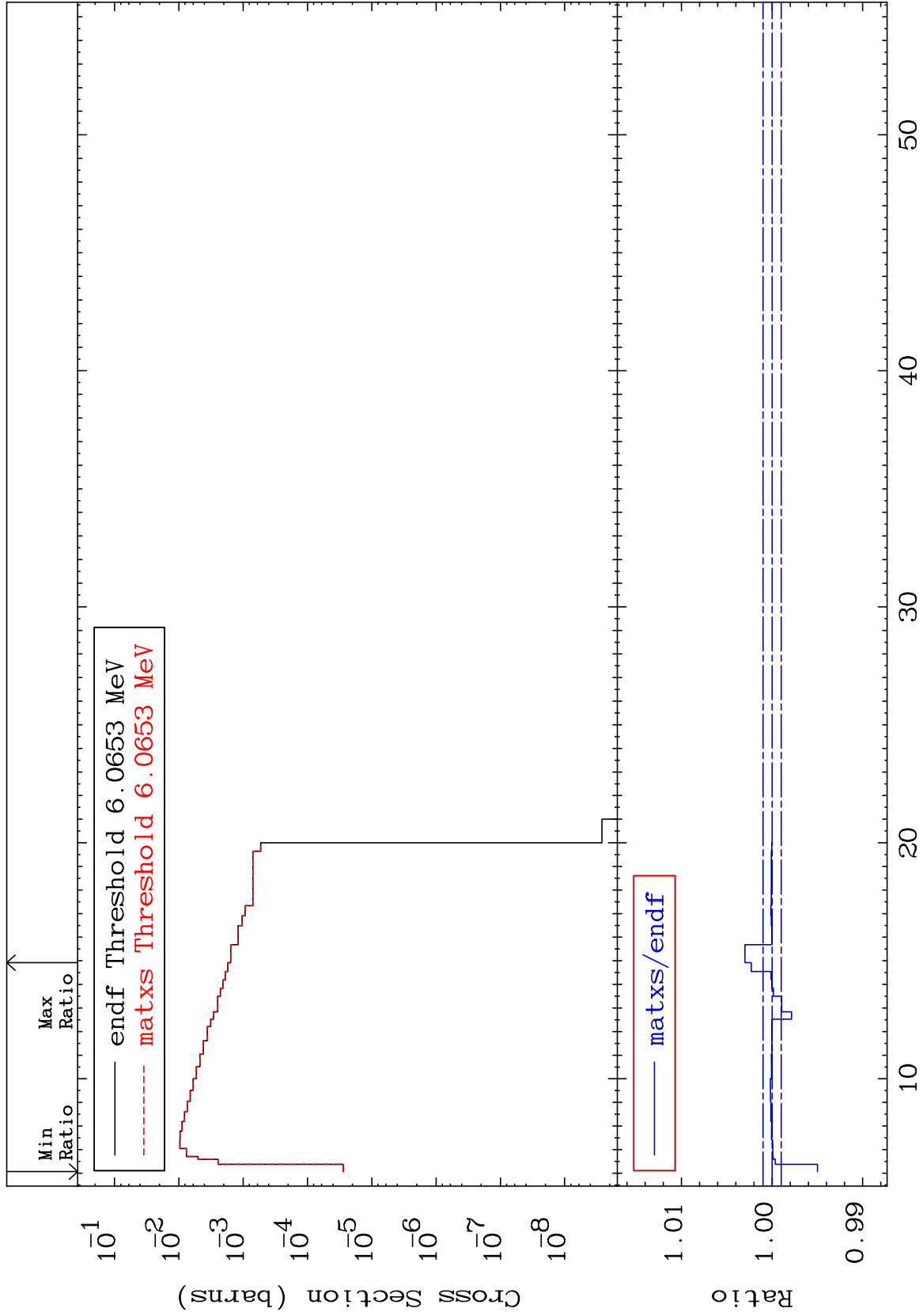
13-A1-27
-0.251 To 0.205 %



MAT 1325

6.115 MeV (n,n') Level
Cross Section

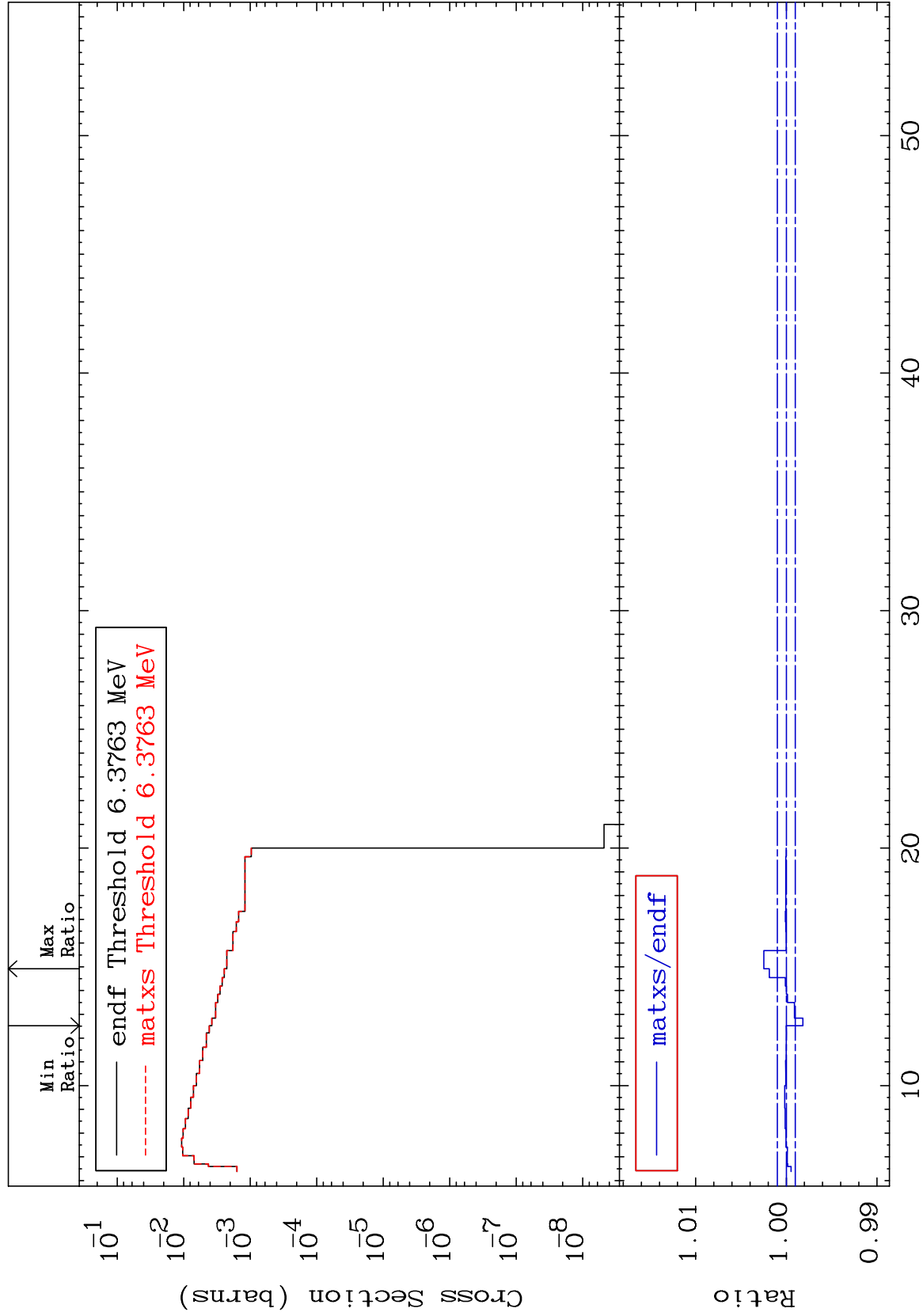
13-A1-27
-0.500 To 0.300 %



MAT 1325

6.159 MeV (n,n') Level
Cross Section

13-A1-27
-0.184 To 0.249 %



30

Incident Energy (MeV)

40

30

40

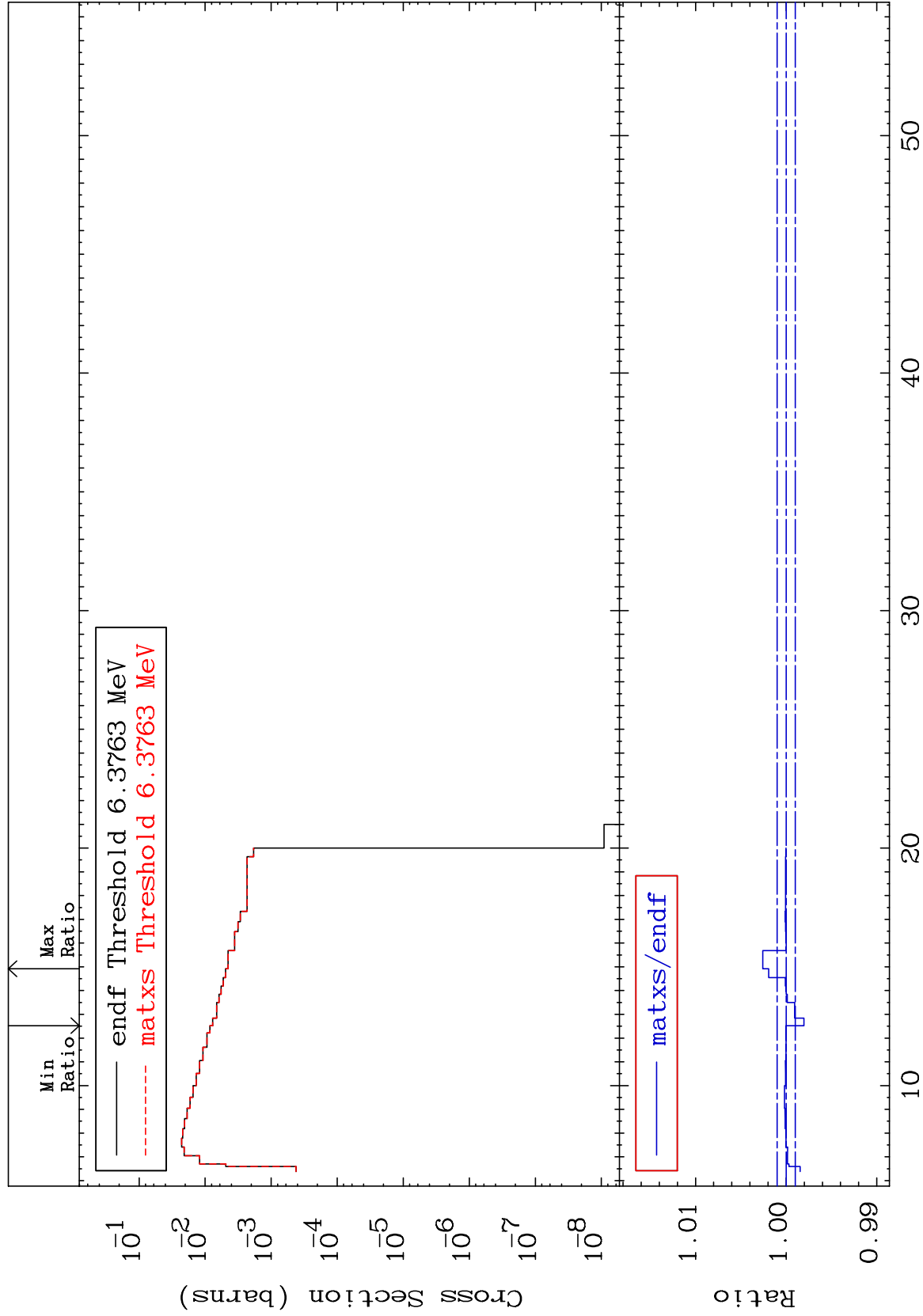
50

13-A1-27

MAT 1325

6.287 MeV (n,n') Level
Cross Section

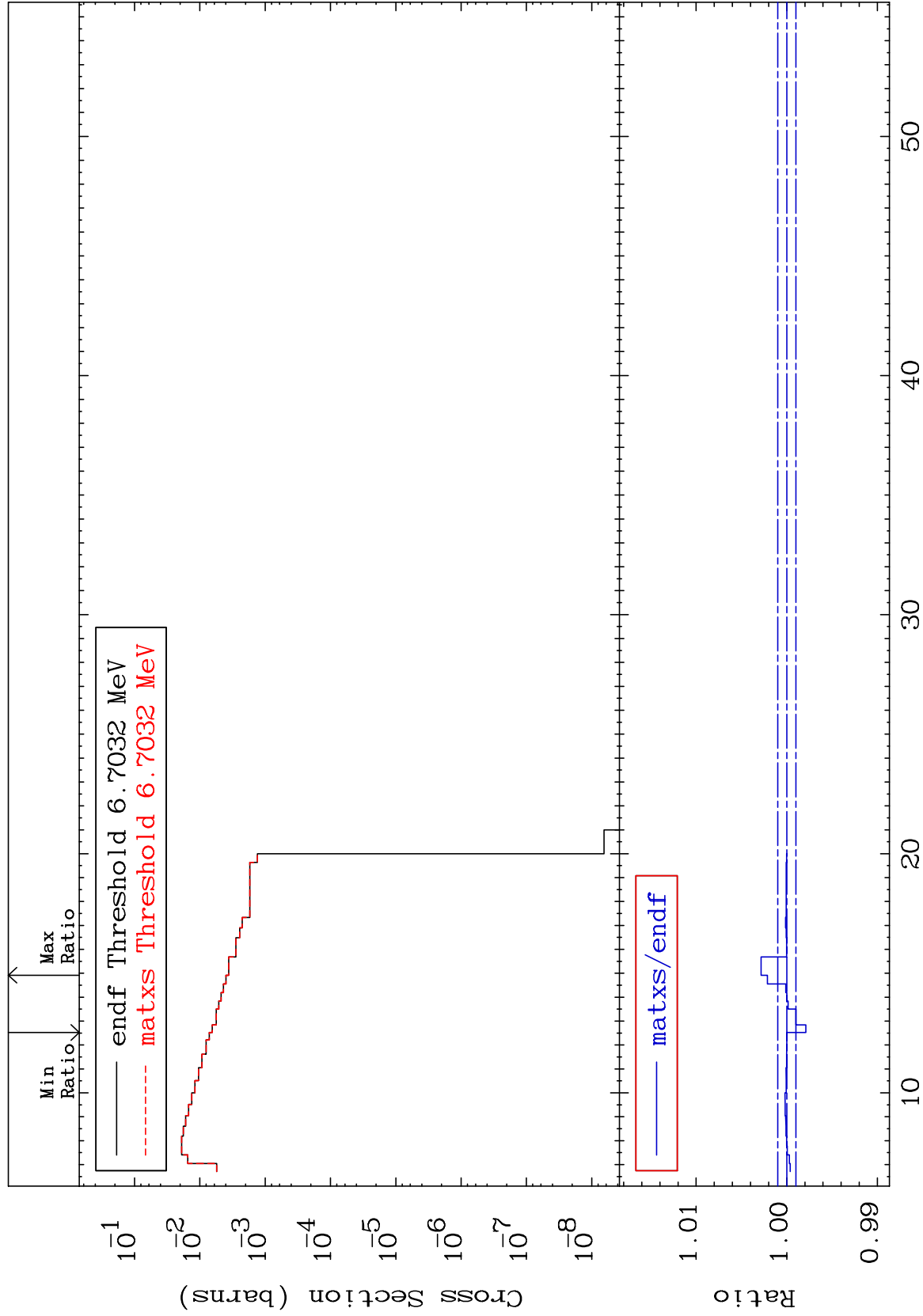
13-A1-27
-0.196 To 0.257 %



MAT 1325

6.464 MeV (n,n') Level
Cross Section

13-A1-27
-0.210 To 0.284 %



32

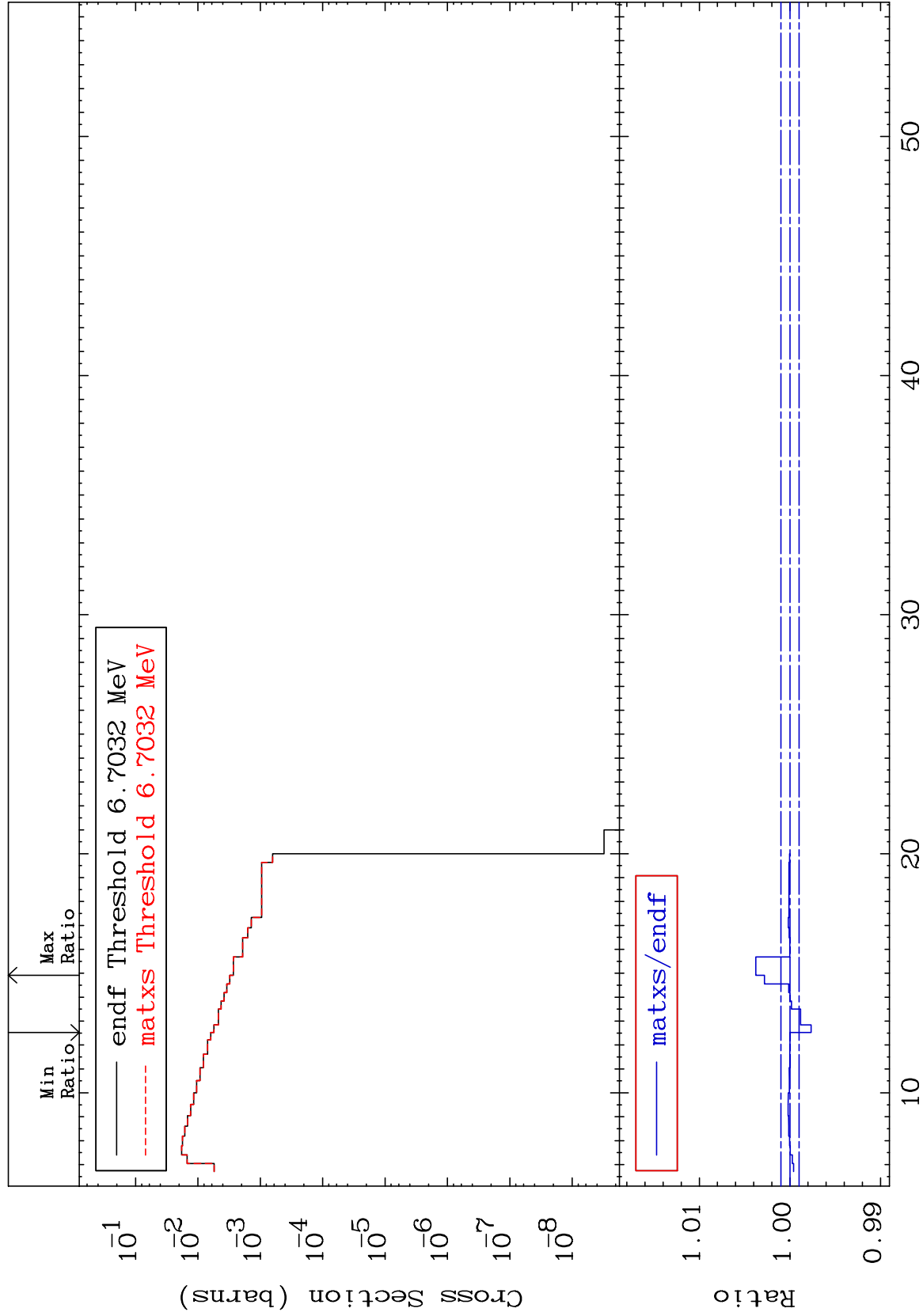
Incident Energy (MeV)

13-A1-27

MAT 1325

6.477 MeV (n,n') Level
Cross Section

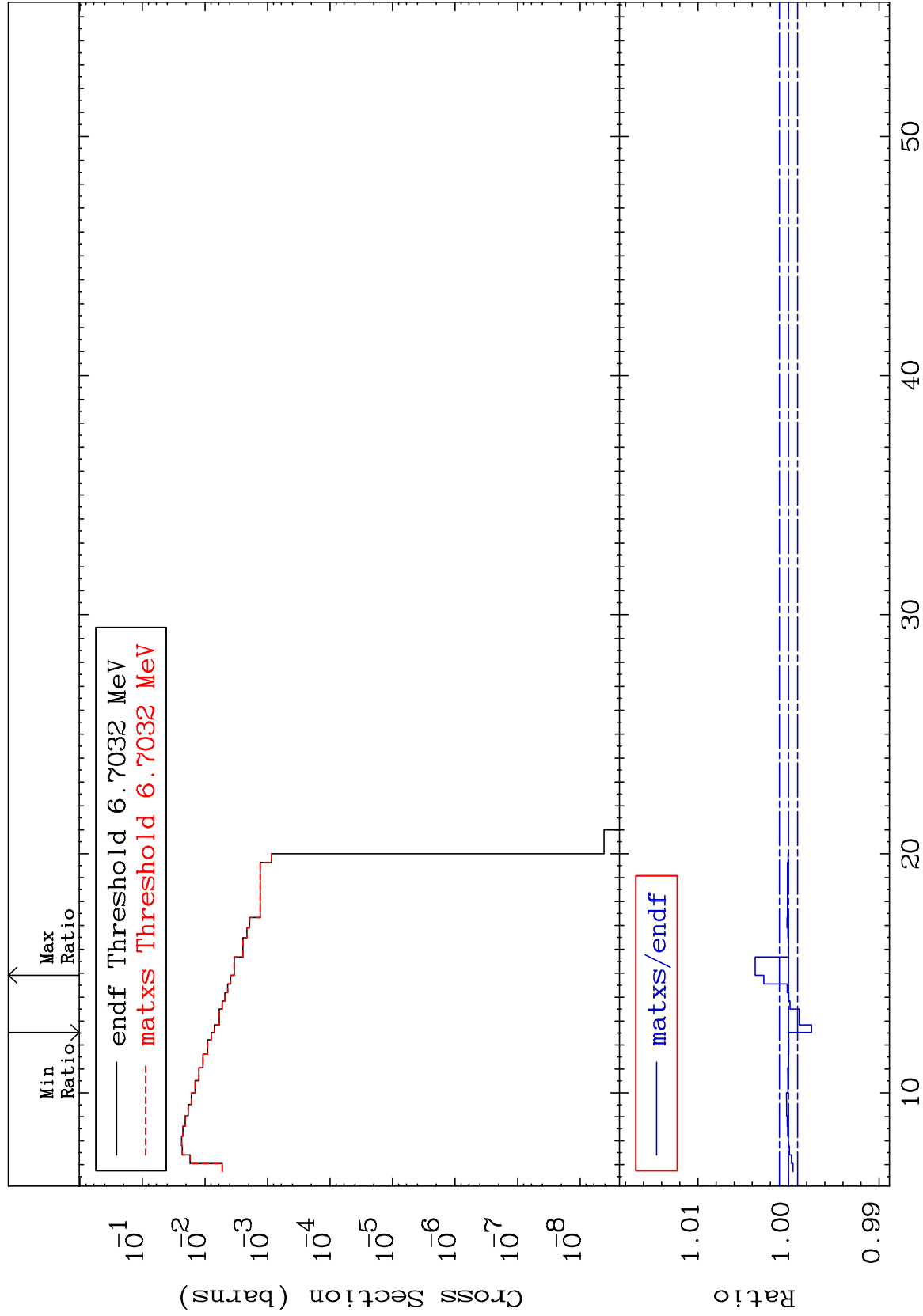
13-A1-27
-0.233 To 0.378 %



MAT 1325

6.512 MeV (n,n') Level
Cross Section

13-A1-27
-0.254 To 0.368 %



34

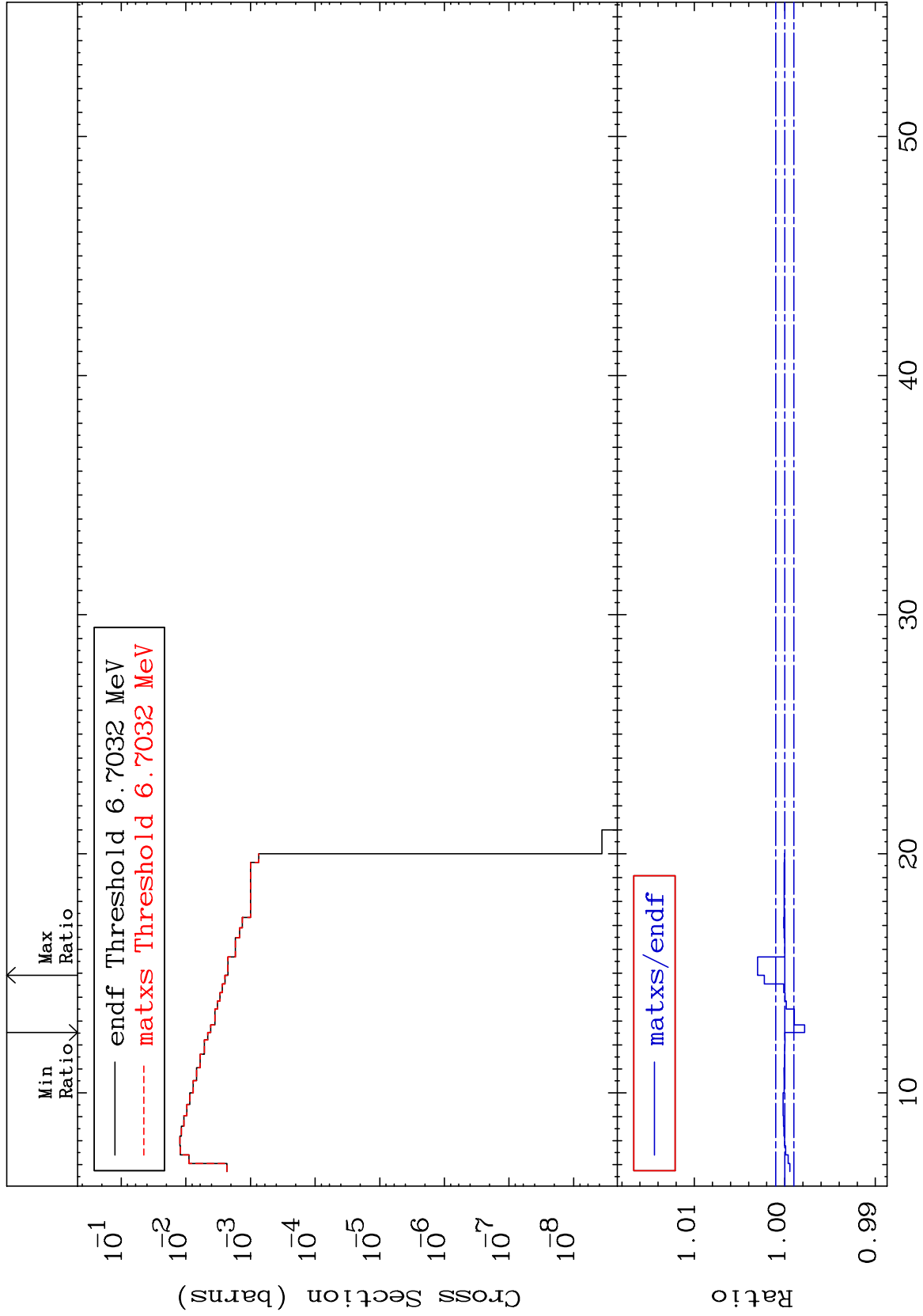
Incident Energy (MeV)

13-A1-27

MAT 1325

6.533 MeV (n,n') Level
Cross Section

13-A1-27
-0.219 To 0.301 %



35

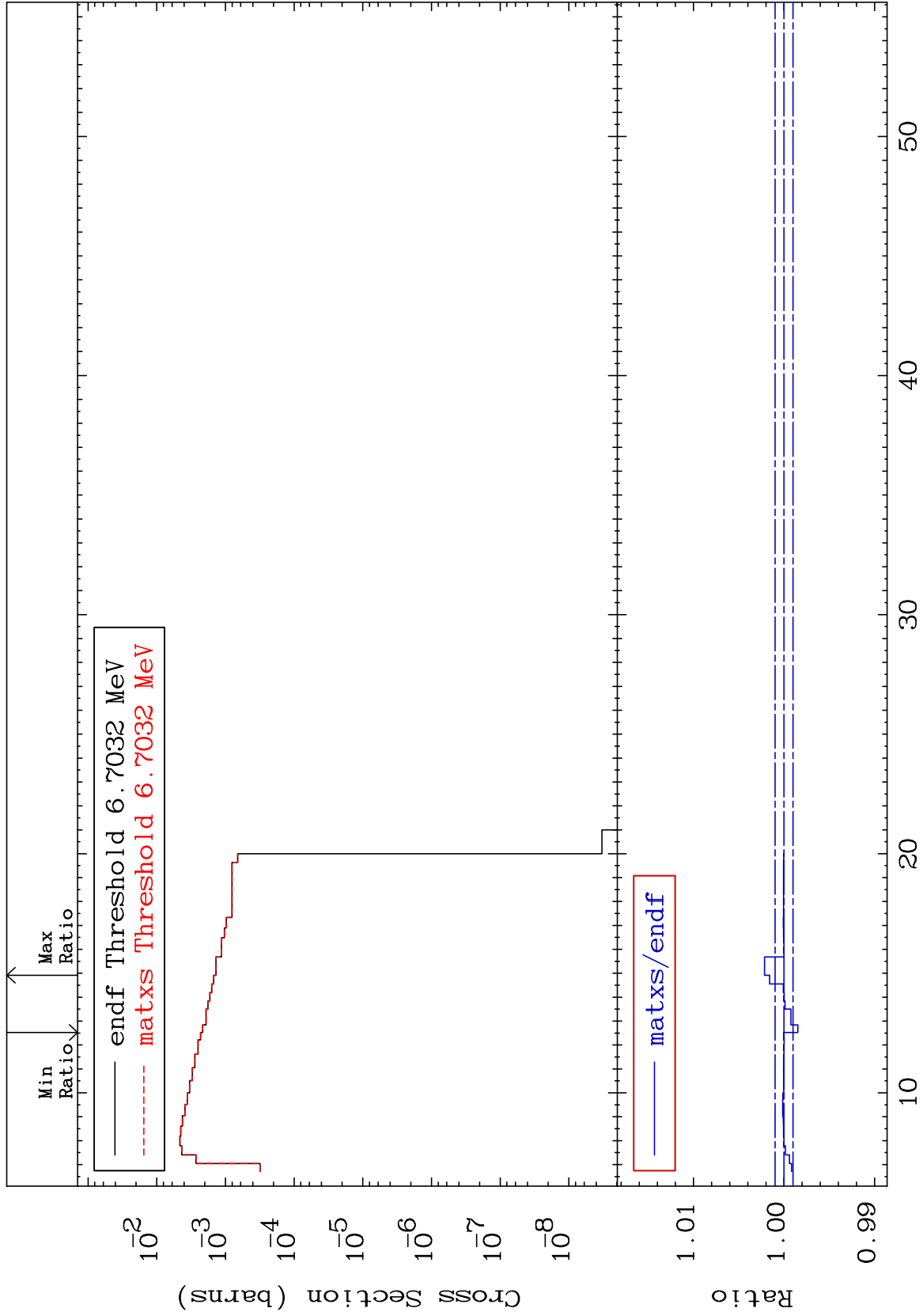
Incident Energy (MeV)

13-A1-27

MAT 1325

6.605 MeV (n,n') Level
Cross Section

13-A1-27
-0.152 To 0.216 %



36

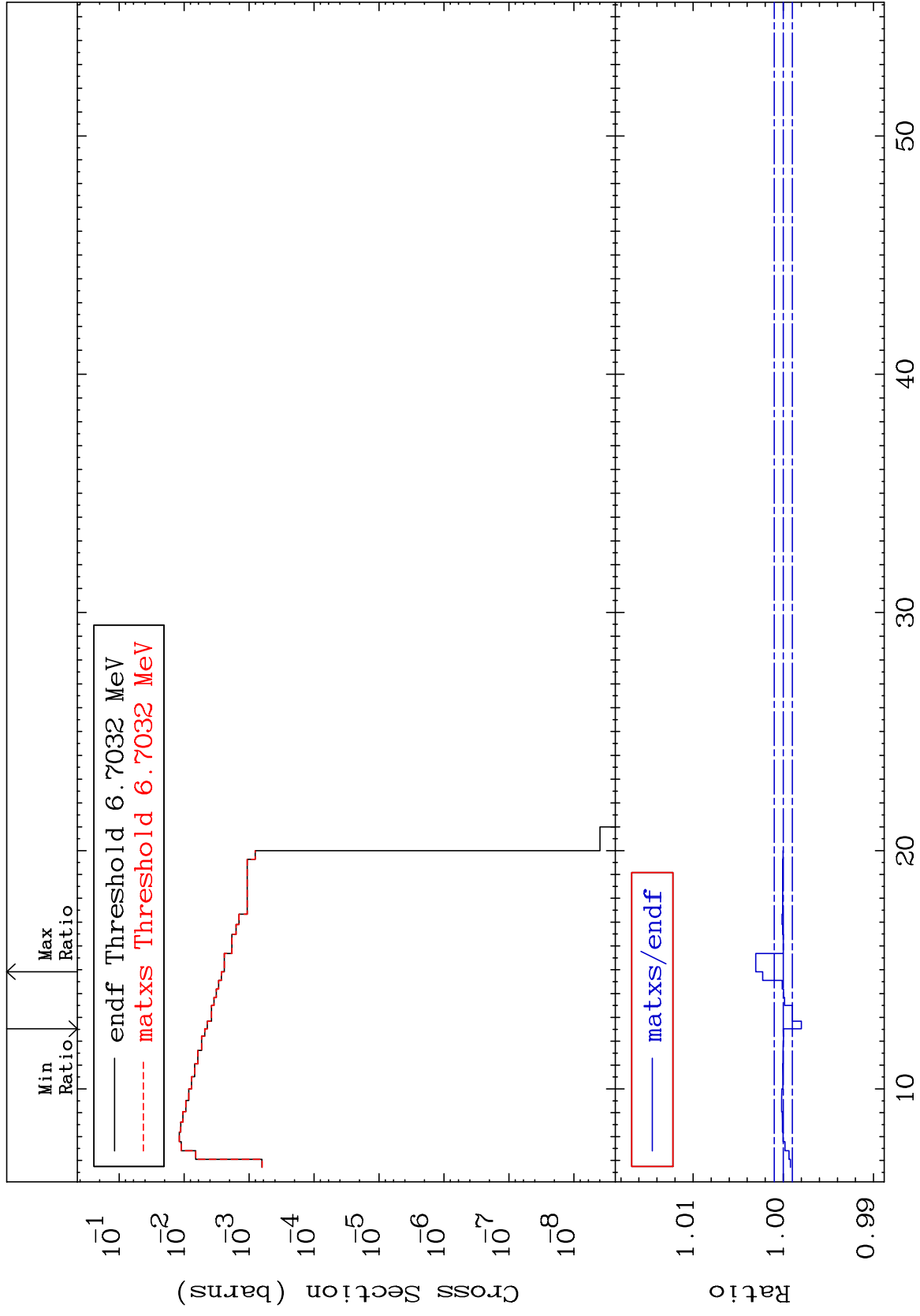
Incident Energy (MeV)

13-A1-27

MAT 1325

6.651 MeV (n,n') Level
Cross Section

13-A1-27
-0.201 To 0.306 %



37

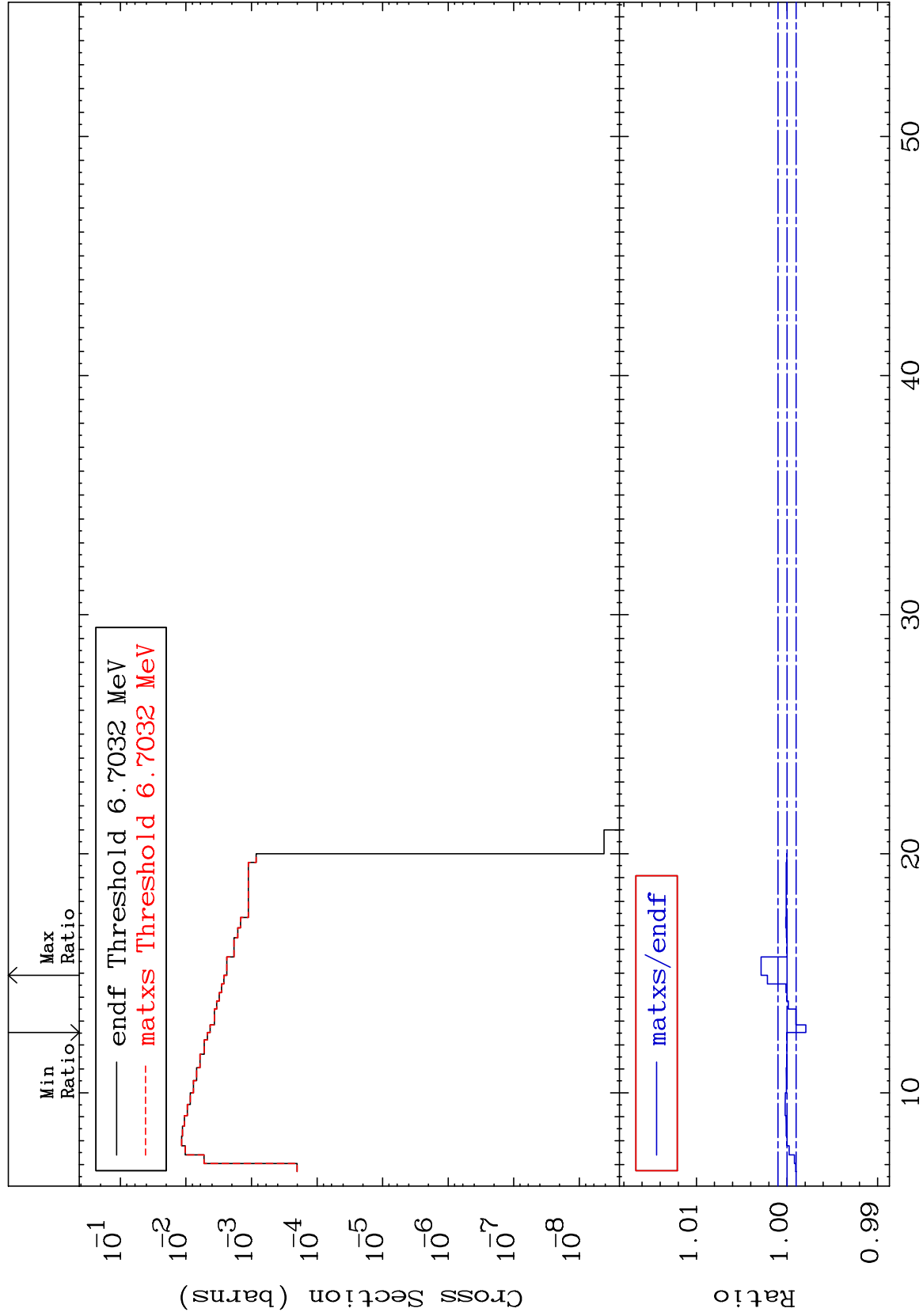
Incident Energy (MeV)

13-A1-27

MAT 1325

6.713 MeV (n,n') Level
Cross Section

13-A1-27
-0.207 To 0.287 %



38

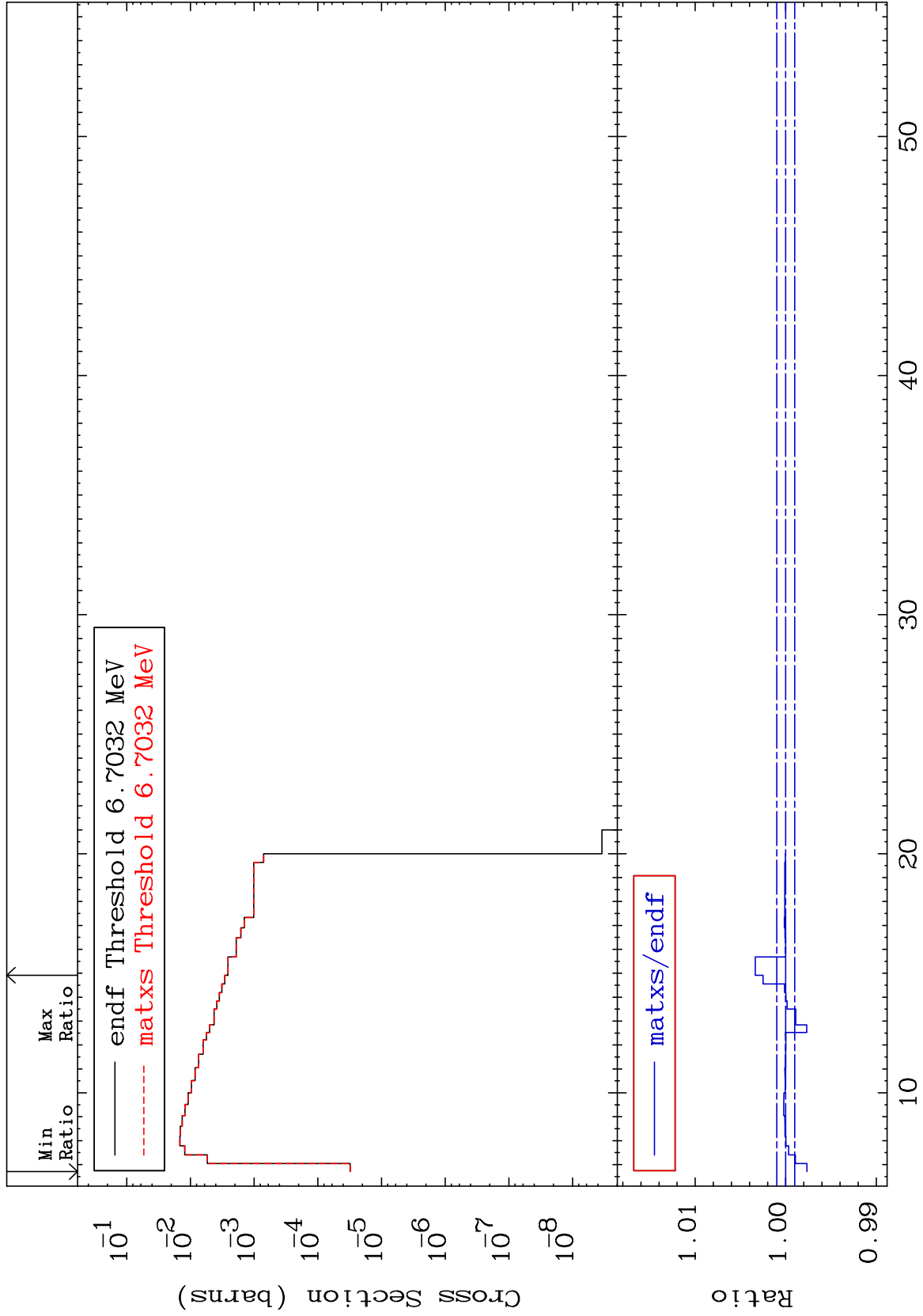
Incident Energy (MeV)

13-A1-27

MAT 1325

6.765 MeV (n,n') Level
Cross Section

13-A1-27
-0.235 To 0.337 %



39

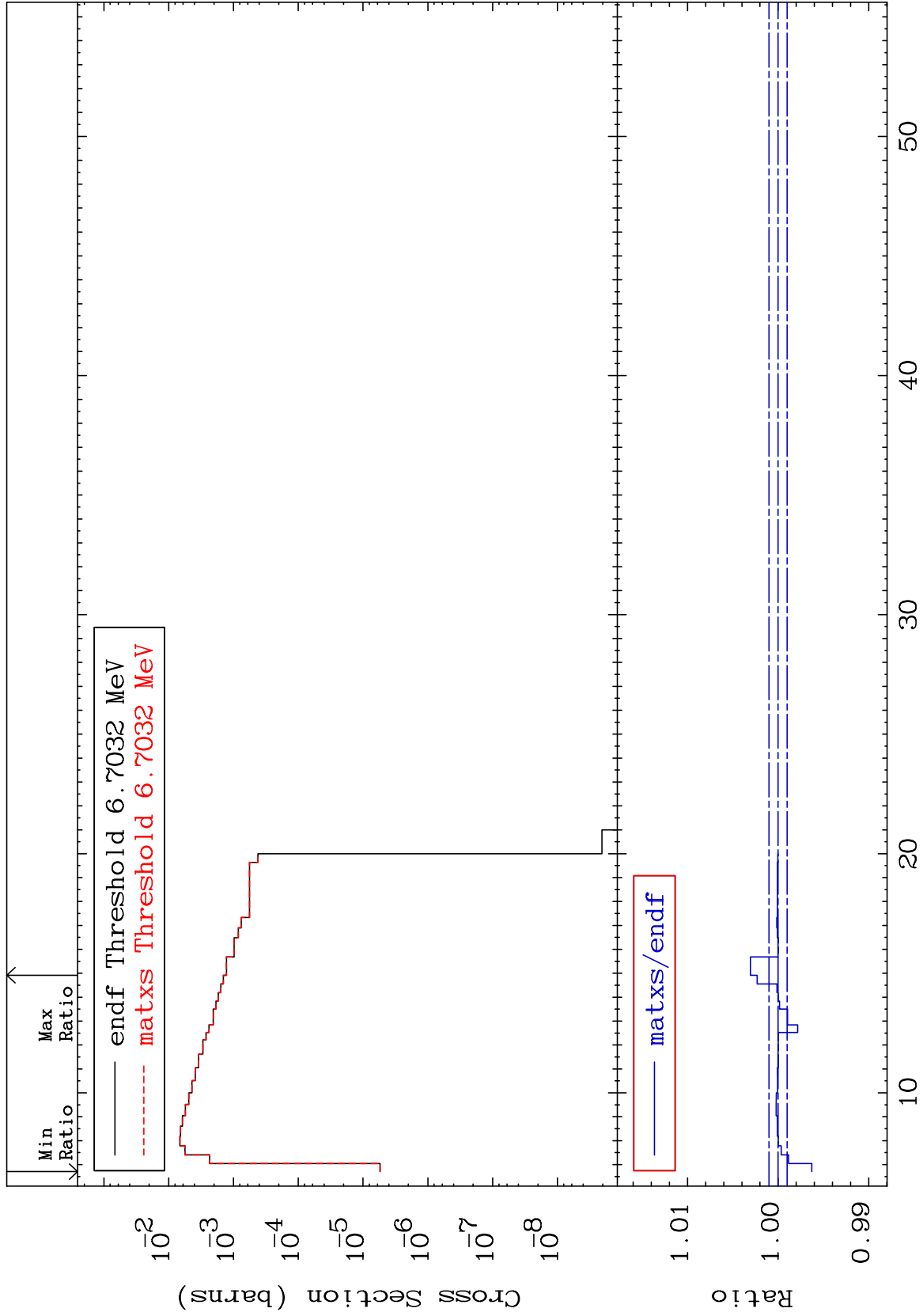
Incident Energy (MeV)

13-A1-27

MAT 1325

6.775 MeV (n,n') Level
Cross Section

13-A1-27
-0.373 To 0.306 %



40

Incident Energy (MeV)

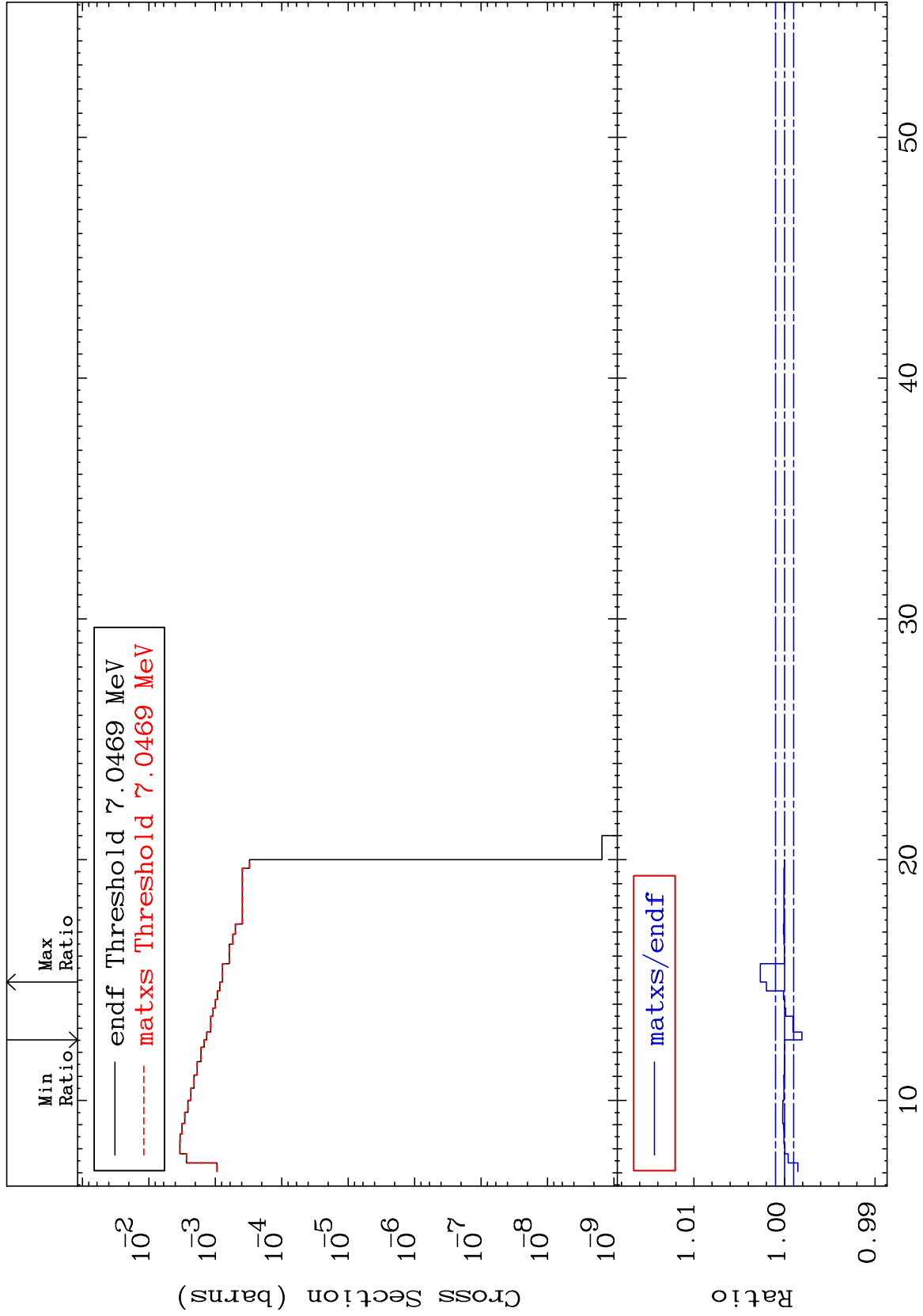
50

13-A1-27

MAT 1325

6.814 MeV (n,n') Level
Cross Section

13-A1-27
-0.192 To 0.267 %



41

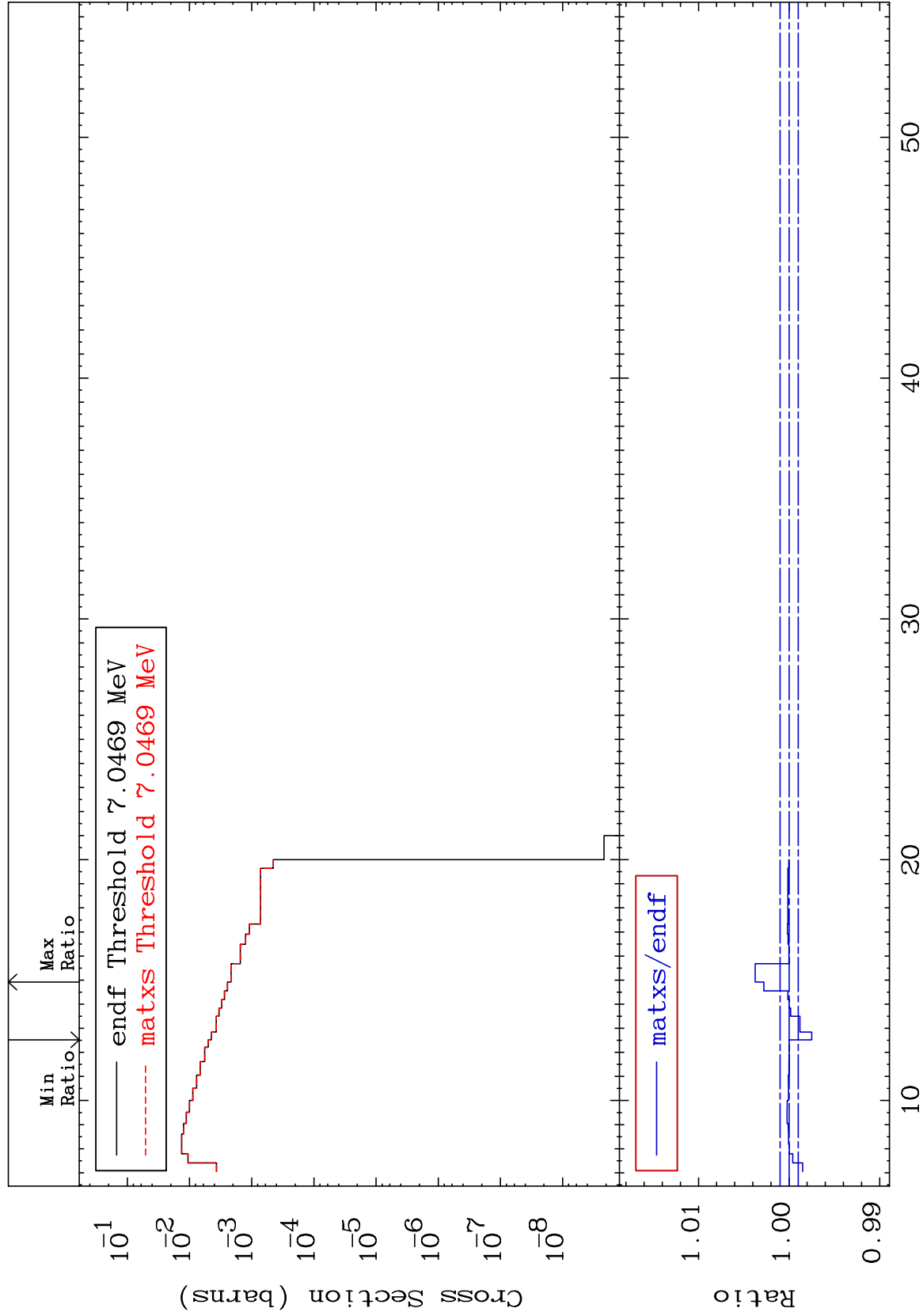
Incident Energy (MeV)

13-A1-27

MAT 1325

6.820 MeV (n,n') Level
Cross Section

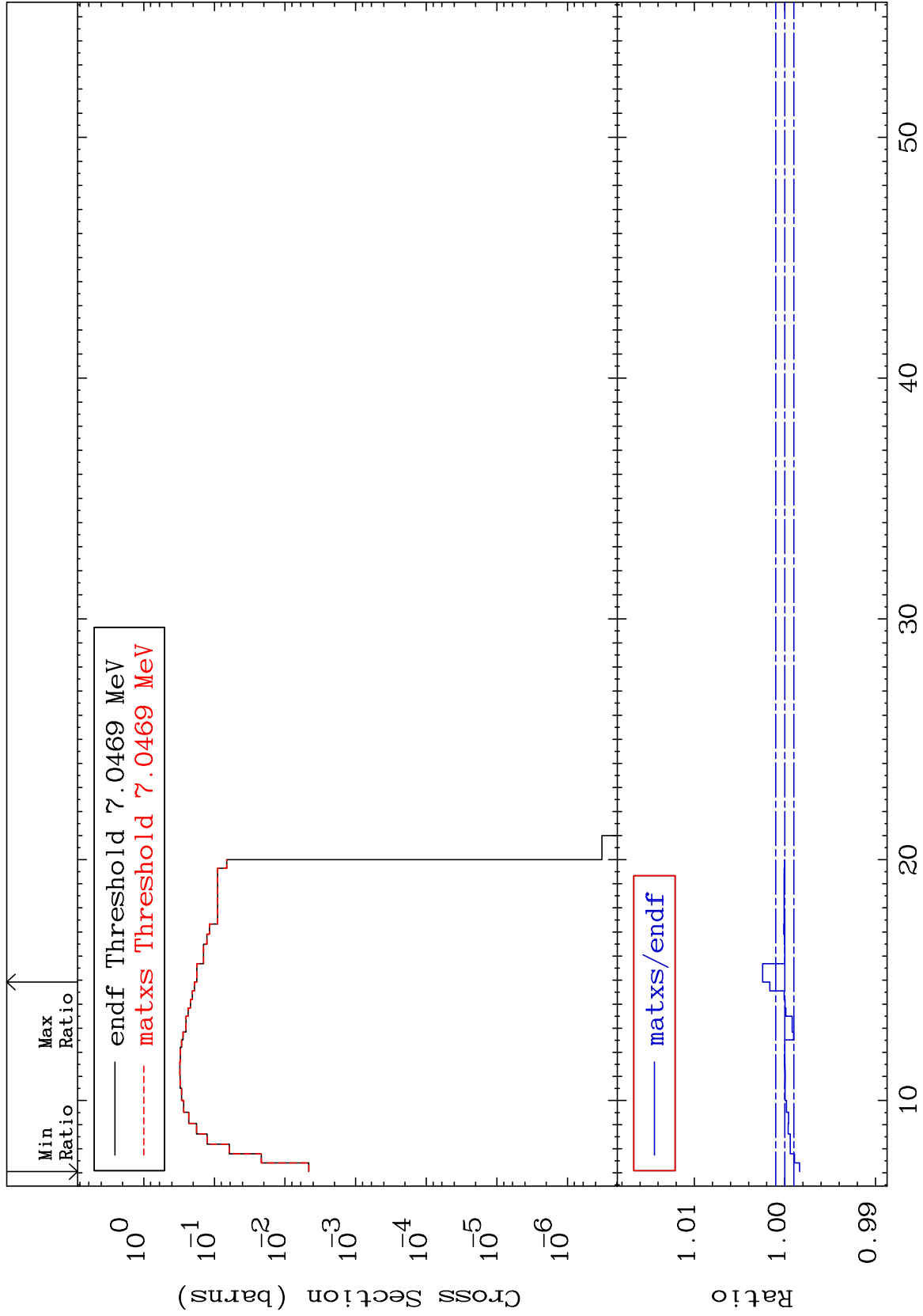
13-A1-27
-0.249 To 0.375 %



MAT 1325

(n,n') Continuum
Cross Section

13-A1-27
-0.162 To 0.244 %



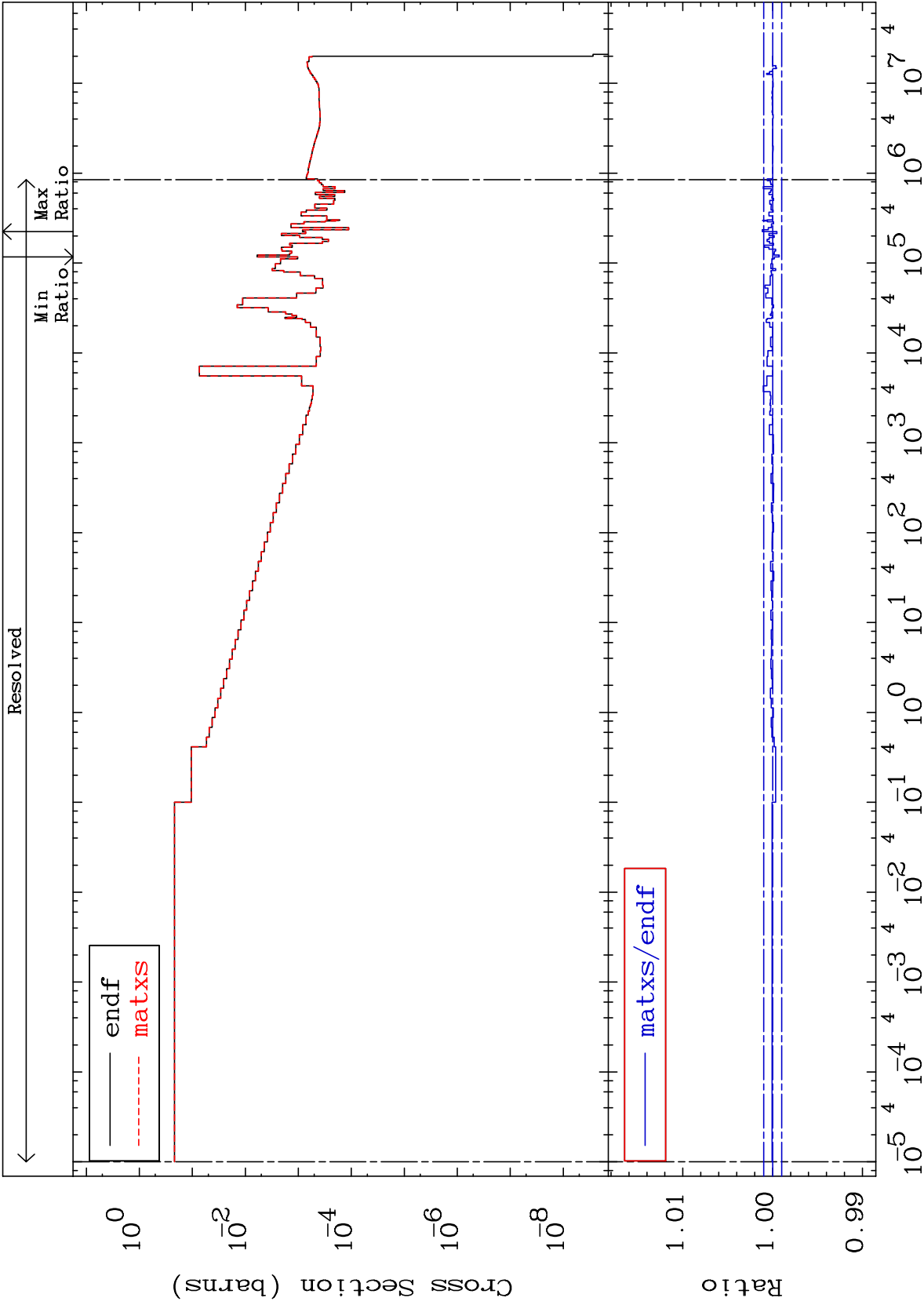
MAT 1325

(n, γ)

13-A1-27

Cross Section

-0.073 To 0.115 %



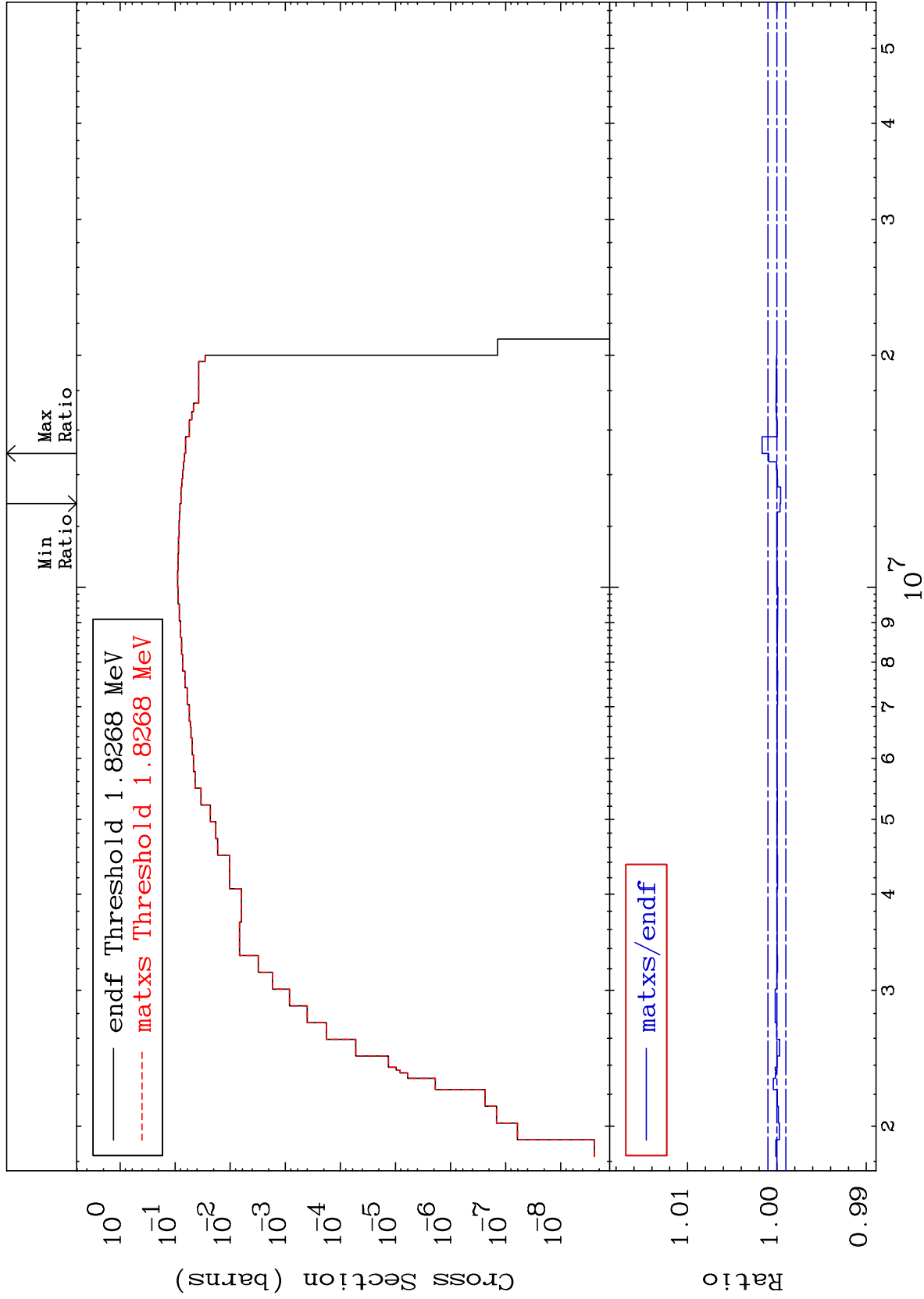
MAT 1325

(n,p)

13-Al-27

Cross Section

-0.041 To 0.166 %



45

Incident Energy (eV)

13-Al-27

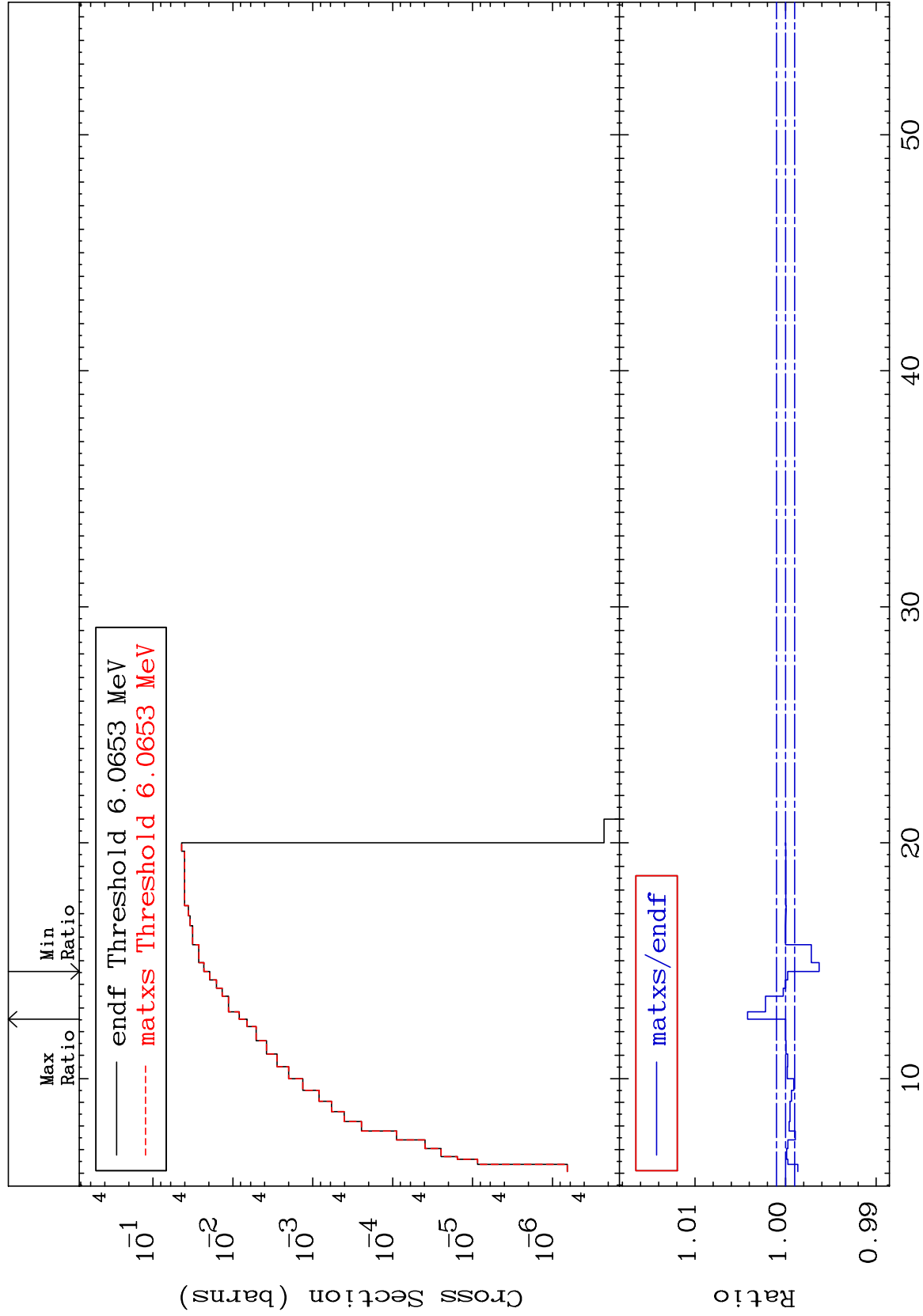
MAT 1325

(n,d)

13-A1-27

Cross Section

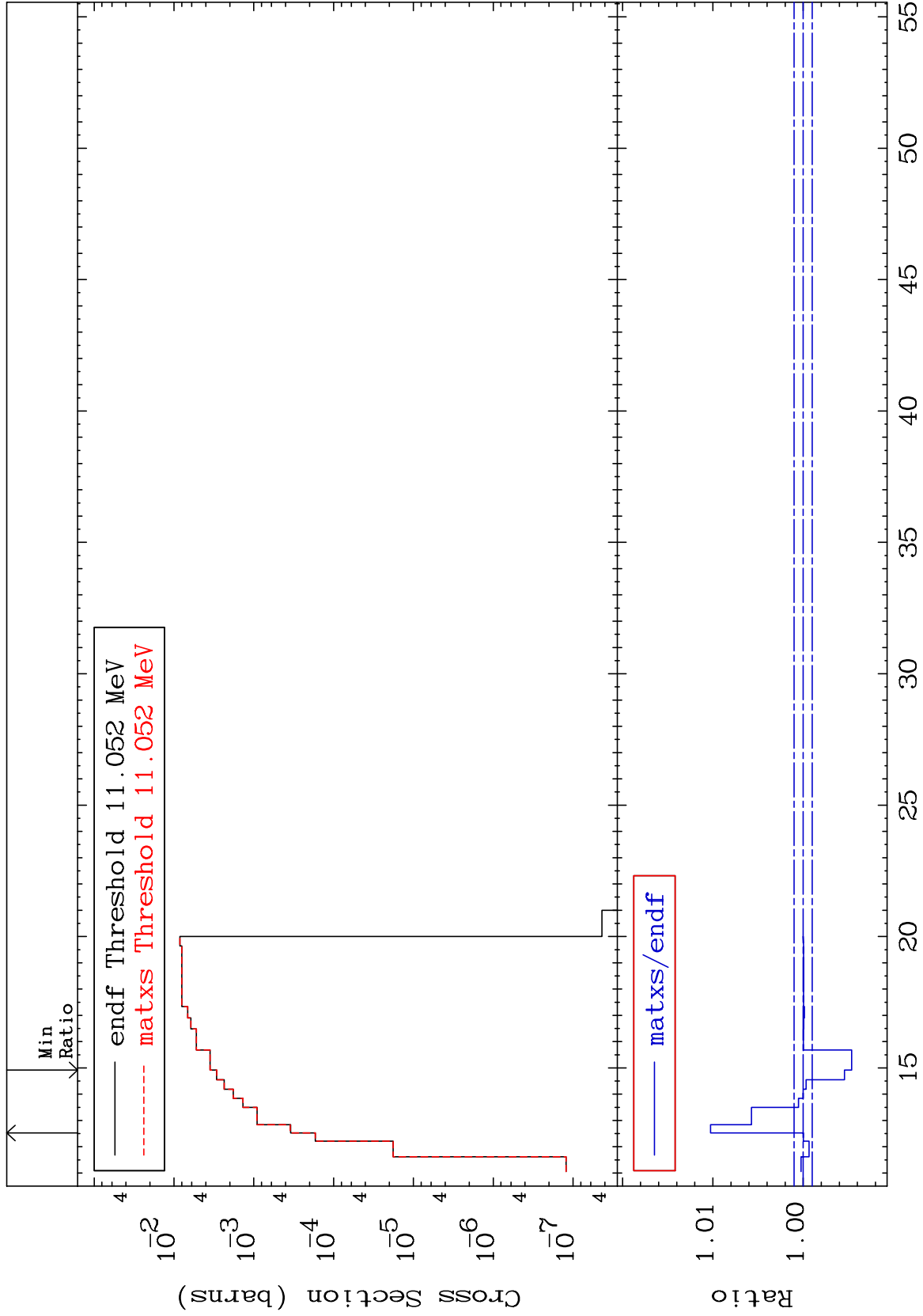
-0.370 To 0.419 %



MAT 1325

(n,t)
Cross Section

13-A1-27
-0.536 To 1.025 %



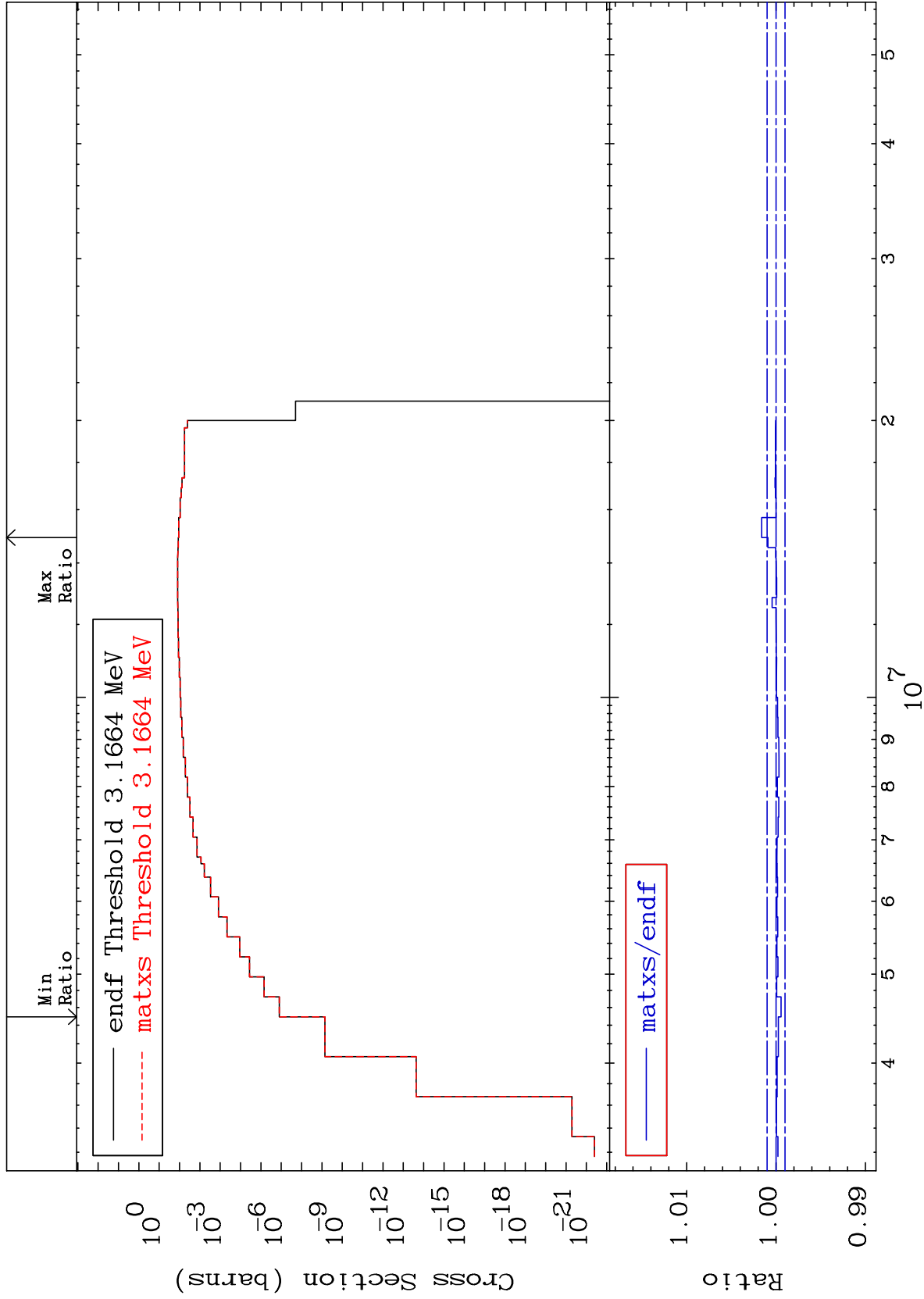
MAT 1325

(n, α)

13-A1-27

Cross Section

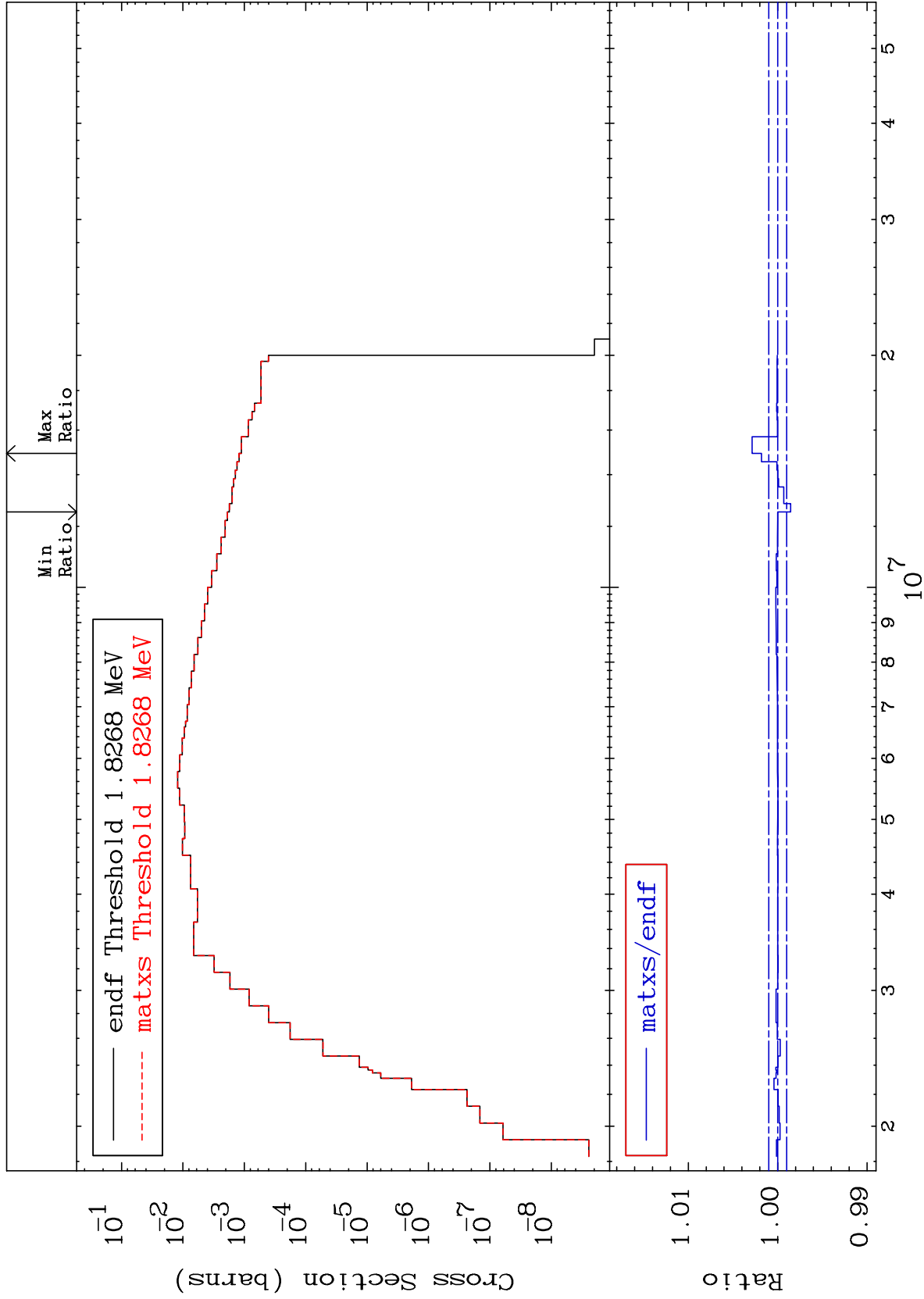
-0.057 To 0.161 %



MAT 1325

(n, p') Ground
Cross Section

13-A1-27
-0.145 To 0.286 %



49

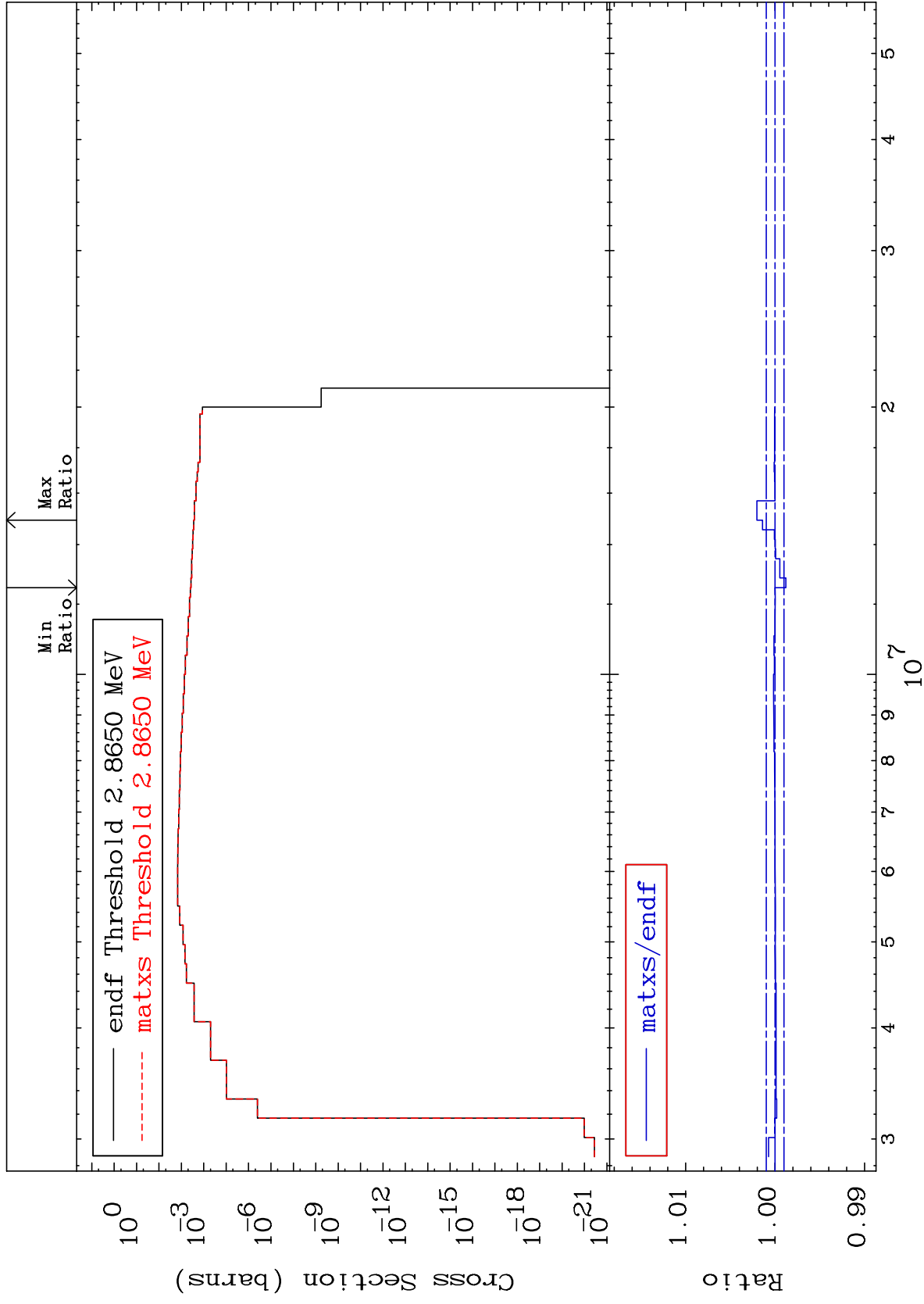
Incident Energy (eV)

13-A1-27

MAT 1325

984.7 keV (n,p') Level
Cross Section

13-A1-27
-0.120 To 0.203 %



50

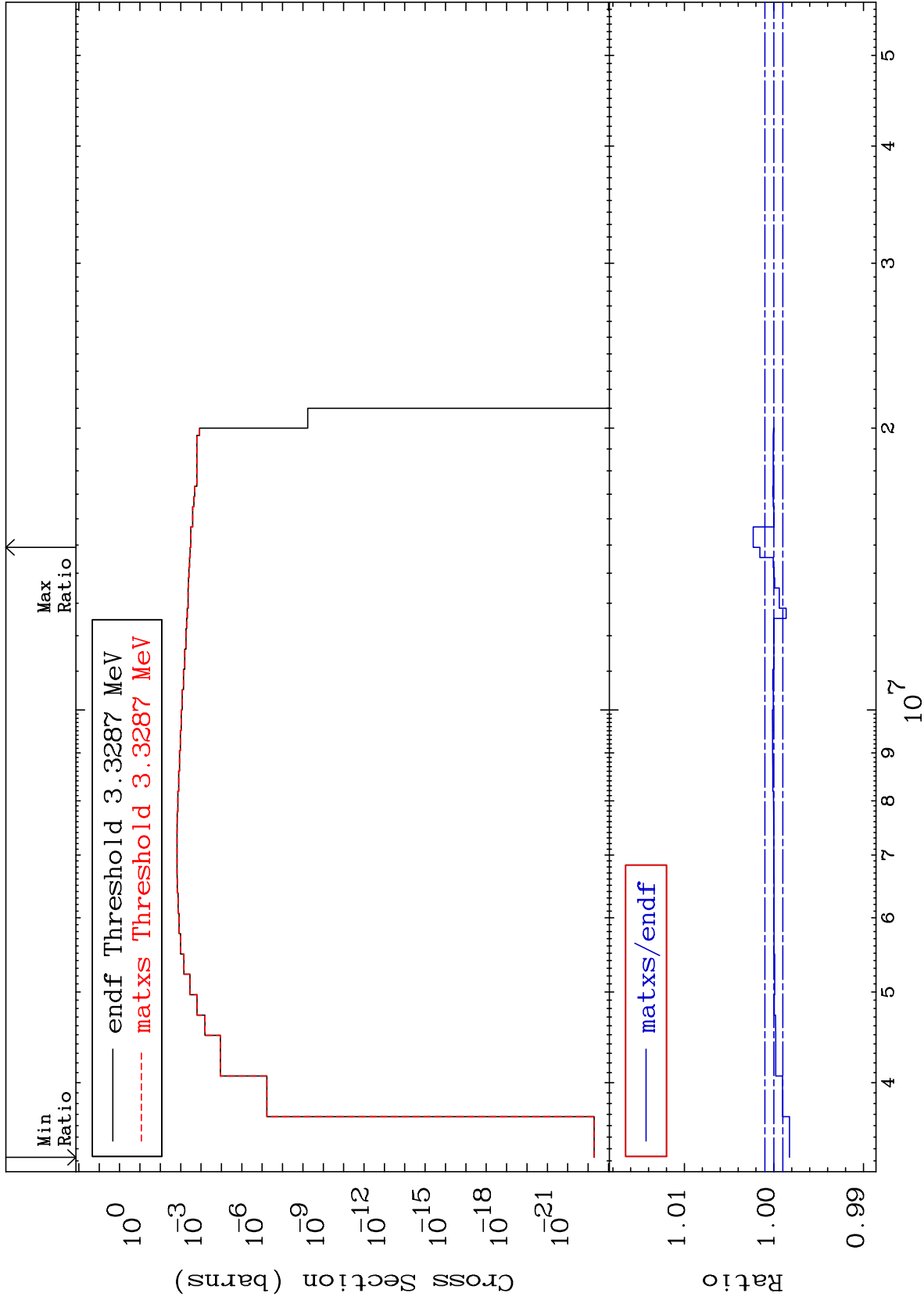
Incident Energy (eV)

13-A1-27

MAT 1325

1.698 MeV (n,p') Level
Cross Section

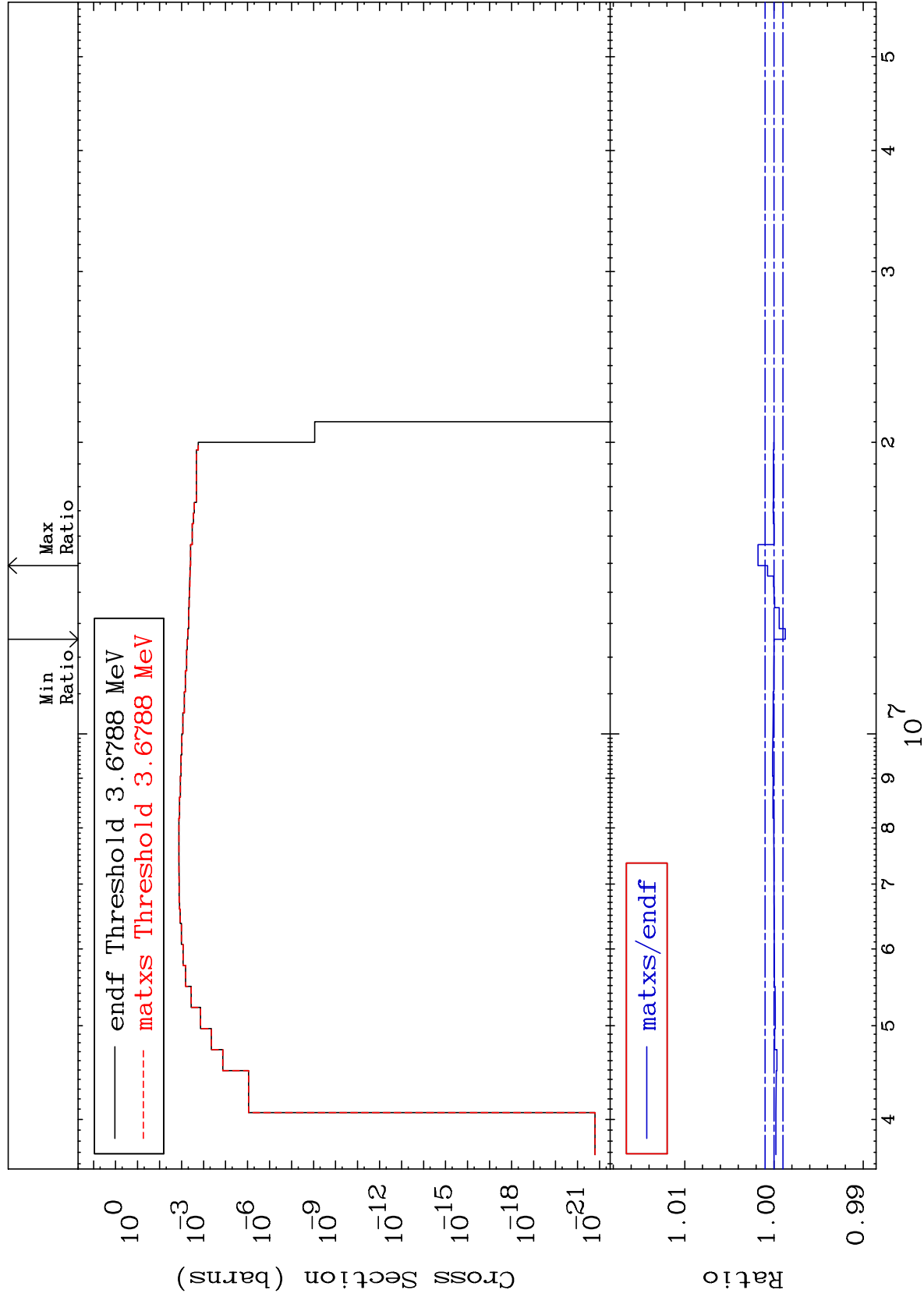
13-A1-27
-0.173 To 0.232 %



MAT 1325

1.940 MeV (n,p') Level
Cross Section

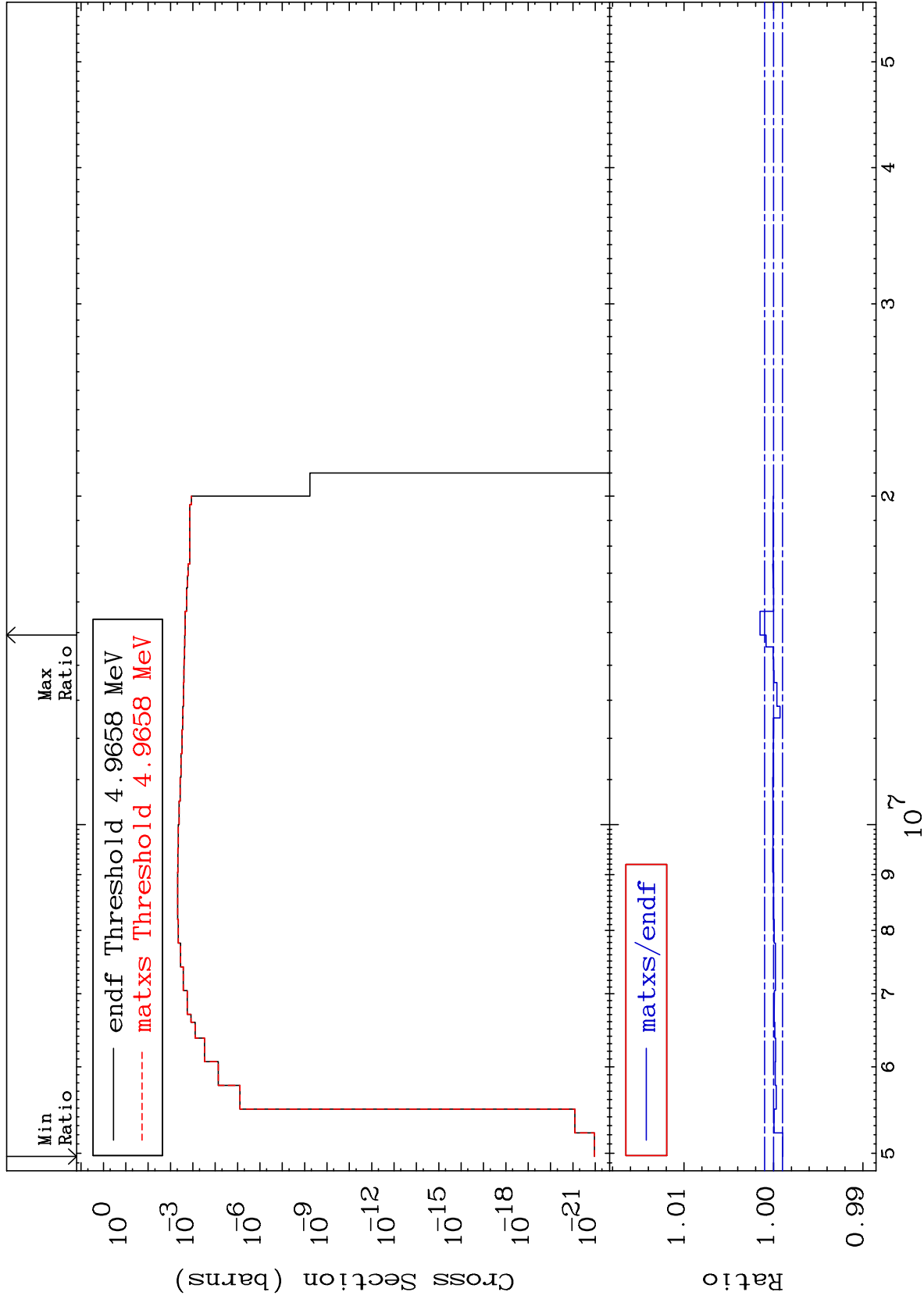
13-A1-27
-0.126 To 0.178 %



MAT 1325

3.109 MeV (n,p') Level
Cross Section

13-A1-27
-0.104 To 0.151 %



53

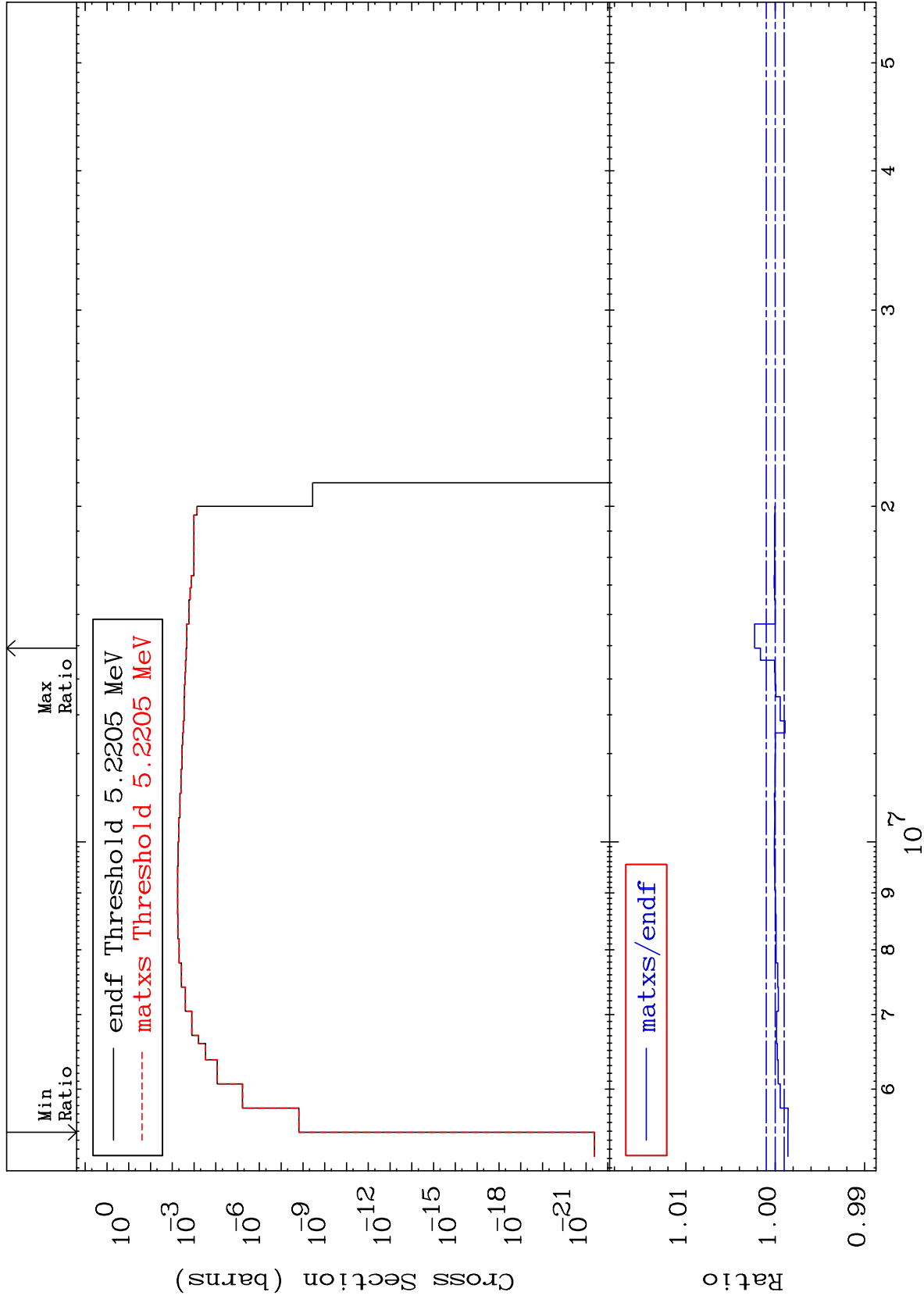
Incident Energy (eV)

13-A1-27

MAT 1325

3.427 MeV (n,p') Level
Cross Section

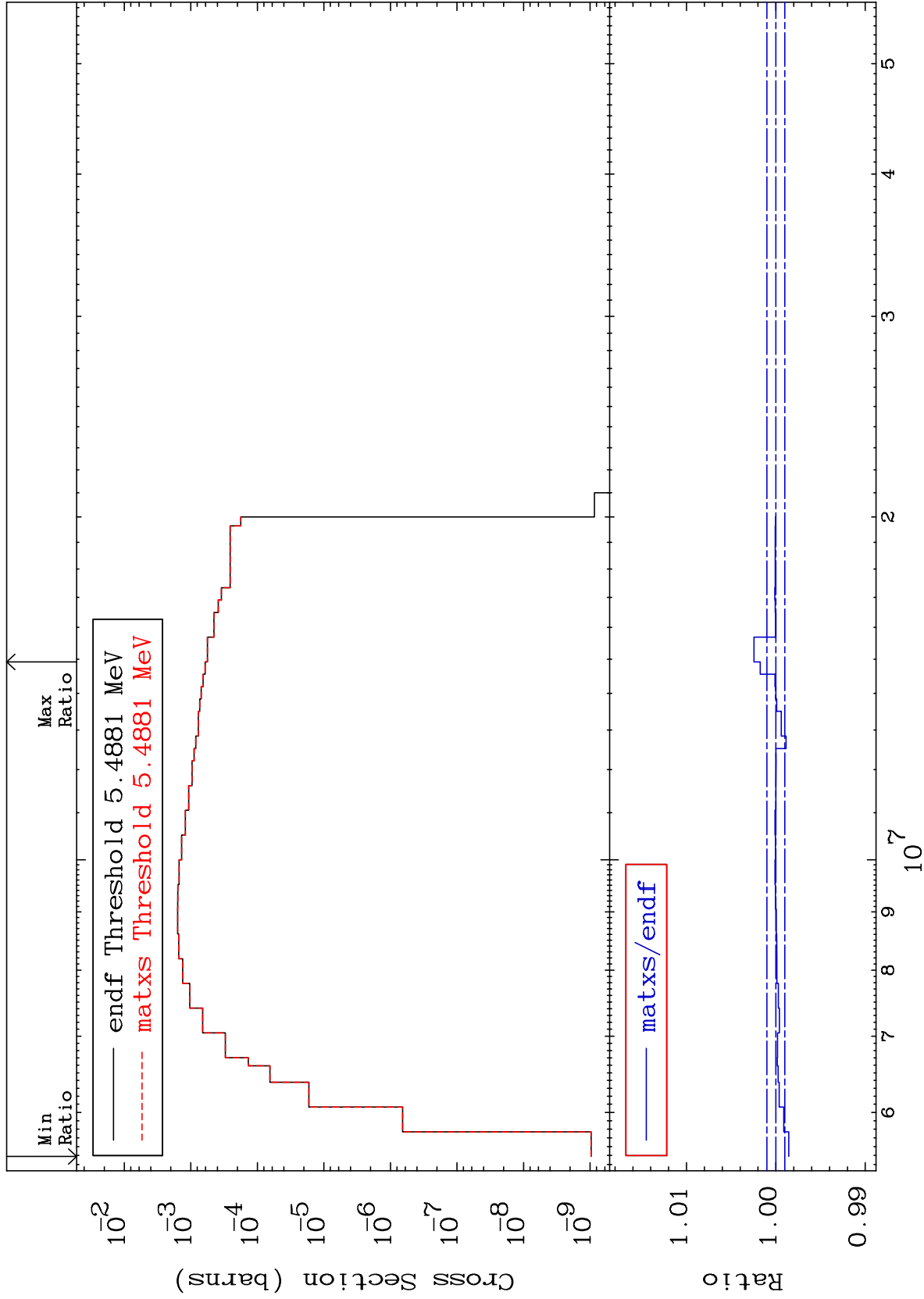
13-A1-27
-0.144 To 0.230 %



MAT 1325

3.475 MeV (n,p') Level
Cross Section

13-A1-27
-0.144 To 0.245 %



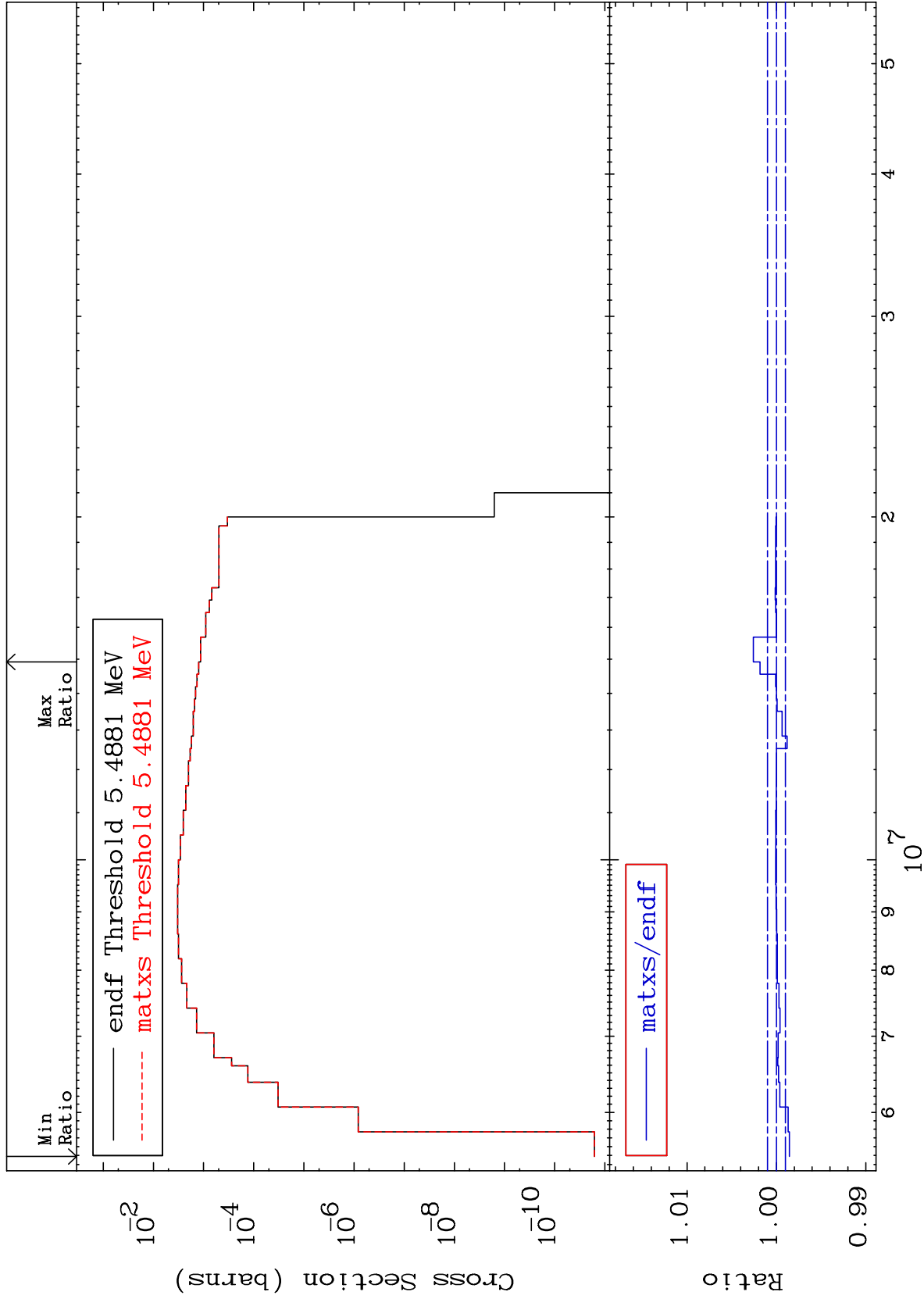
55

13-A1-27

MAT 1325

3.491 MeV (n,p') Level
Cross Section

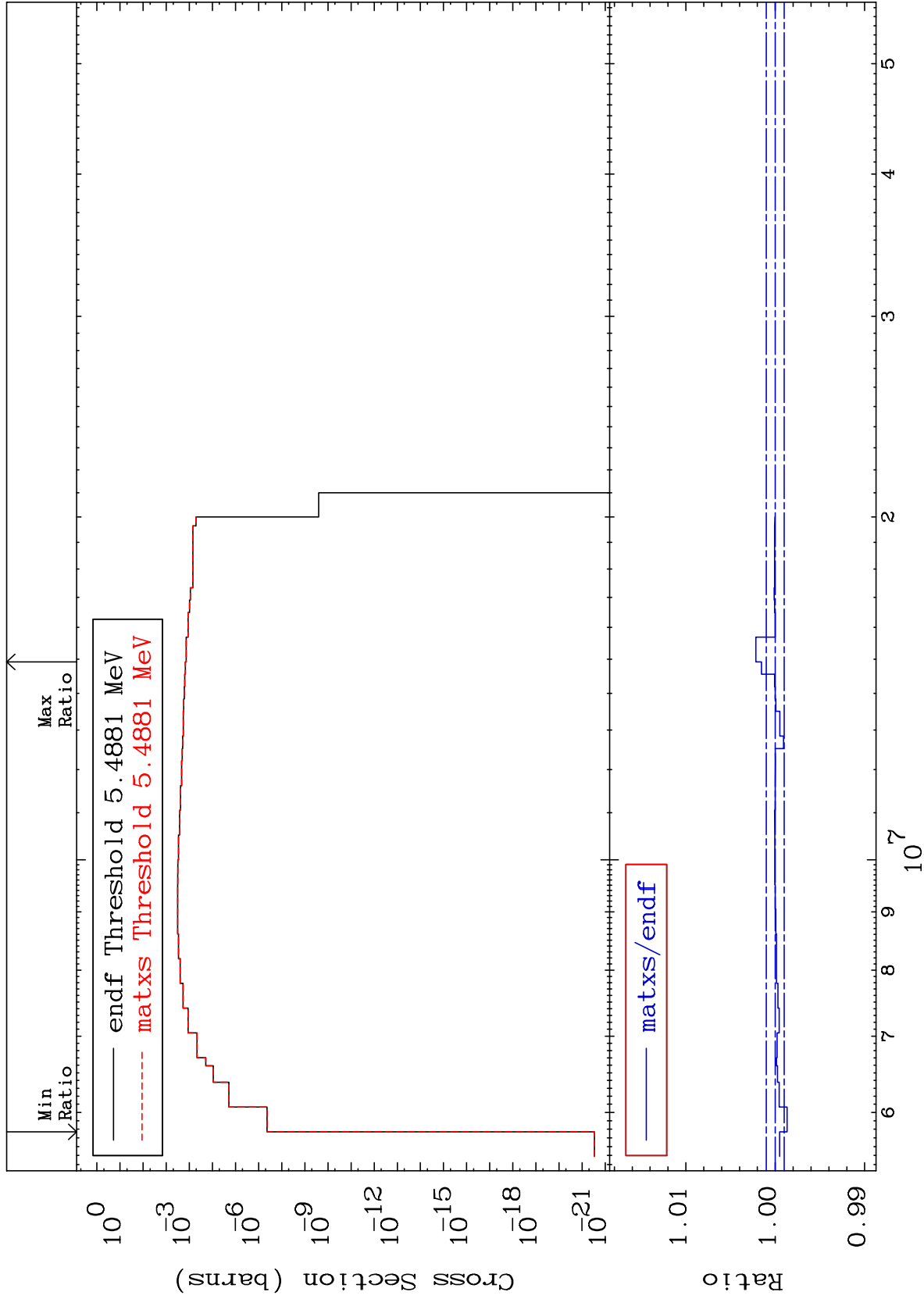
13-A1-27
-0.144 To 0.257 %



MAT 1325

3.559 MeV (n,p') Level
Cross Section

13-A1-27
-0.131 To 0.218 %



57

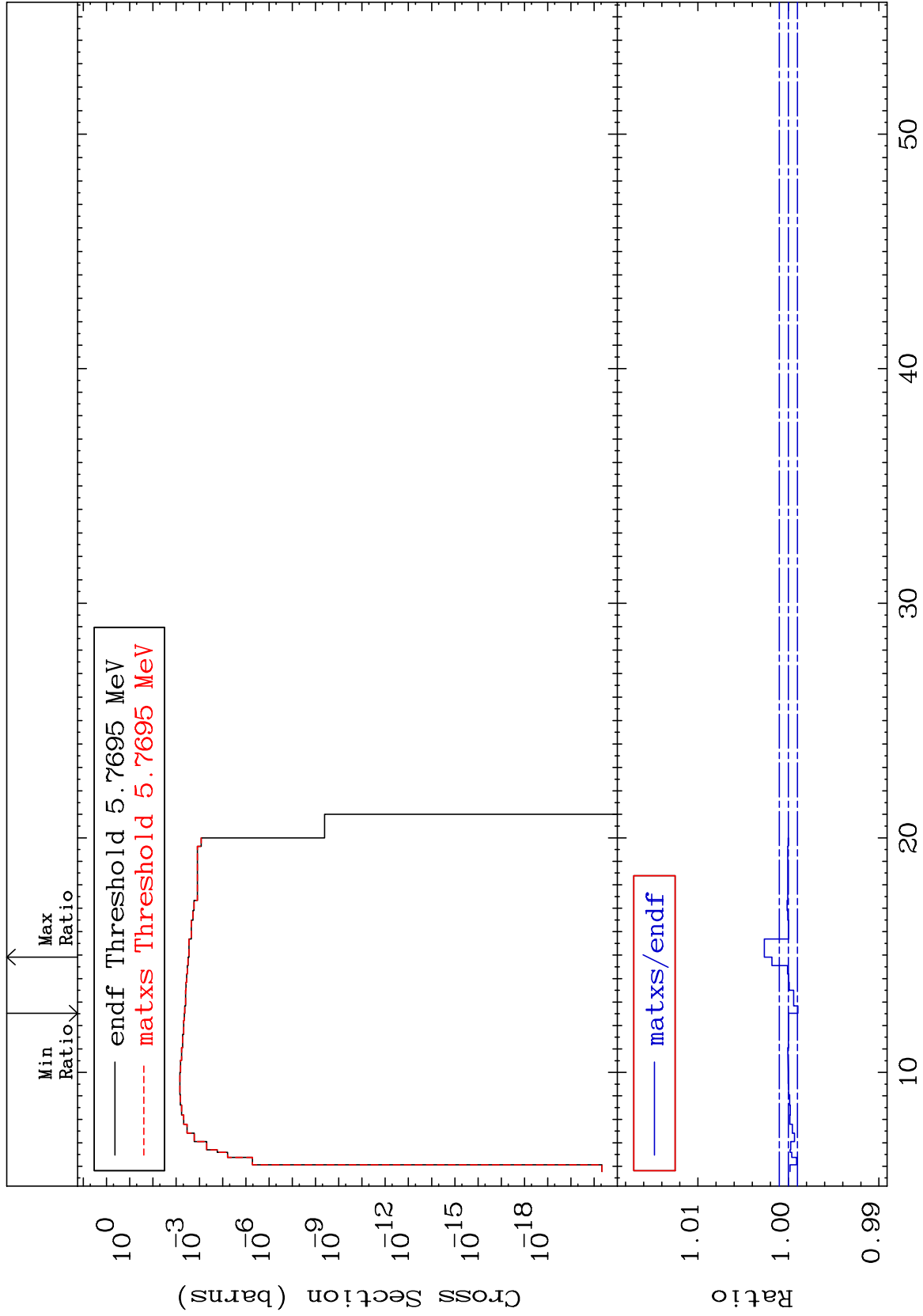
Incident Energy (eV)

13-A1-27

MAT 1325

3.760 MeV (n,p') Level
Cross Section

13-A1-27
-0.105 To 0.267 %



58

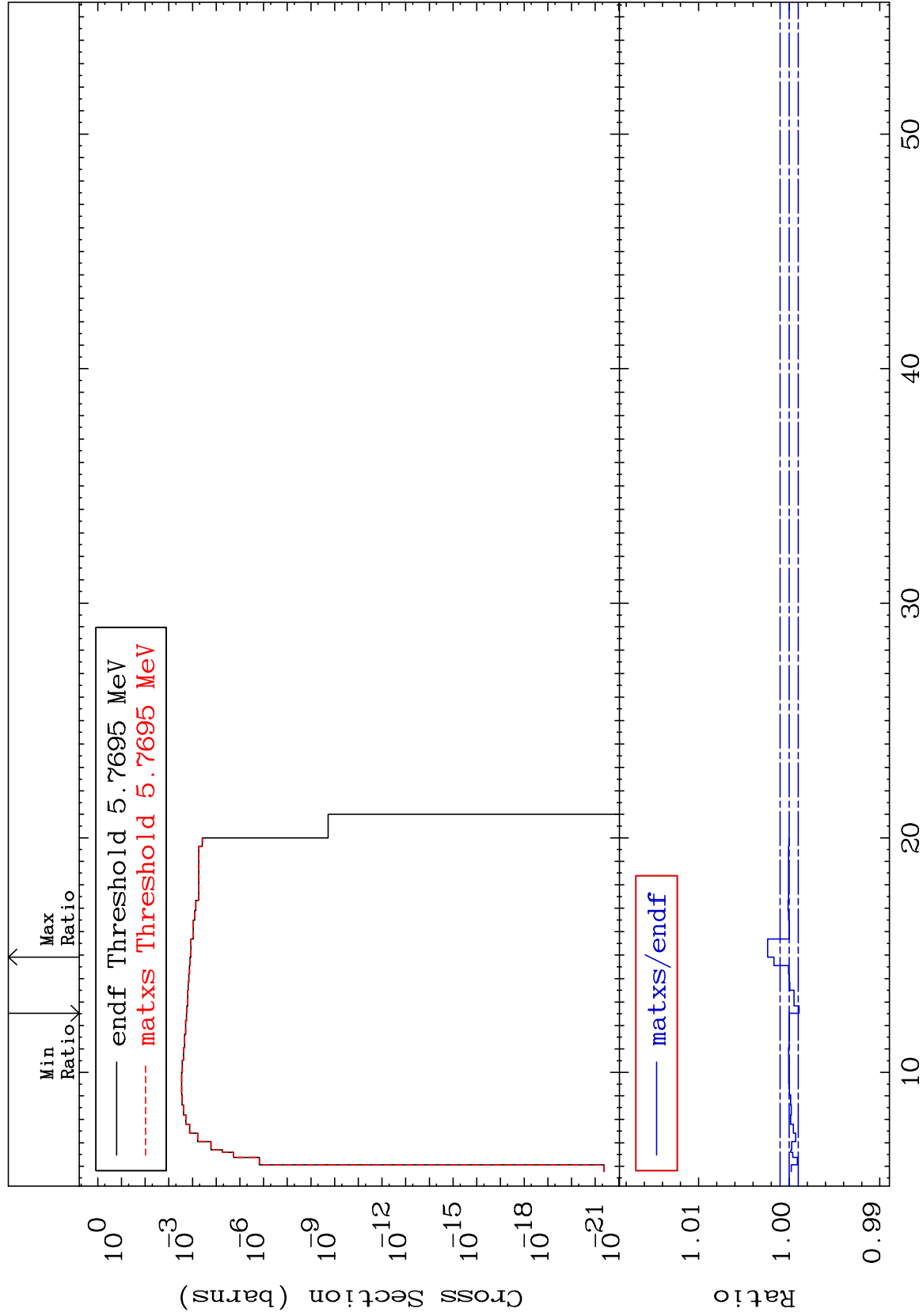
Incident Energy (MeV)

13-A1-27

MAT 1325

3.786 MeV (n,p') Level
Cross Section

13-A1-27
-0.109 To 0.238 %



59

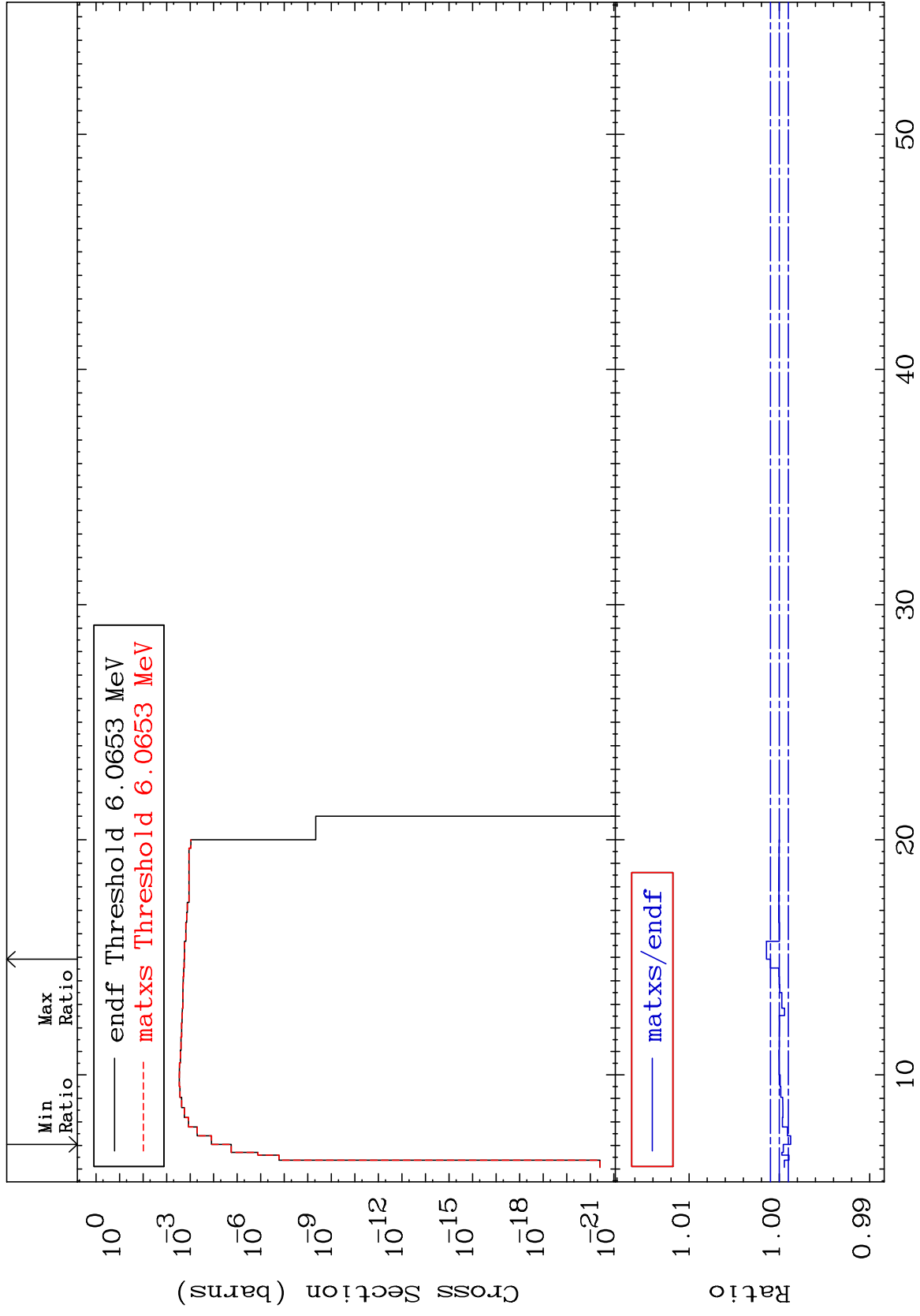
Incident Energy (MeV)

13-A1-27

MAT 1325

4.150 MeV (n,p') Level
Cross Section

13-A1-27
-0.125 To 0.143 %



61

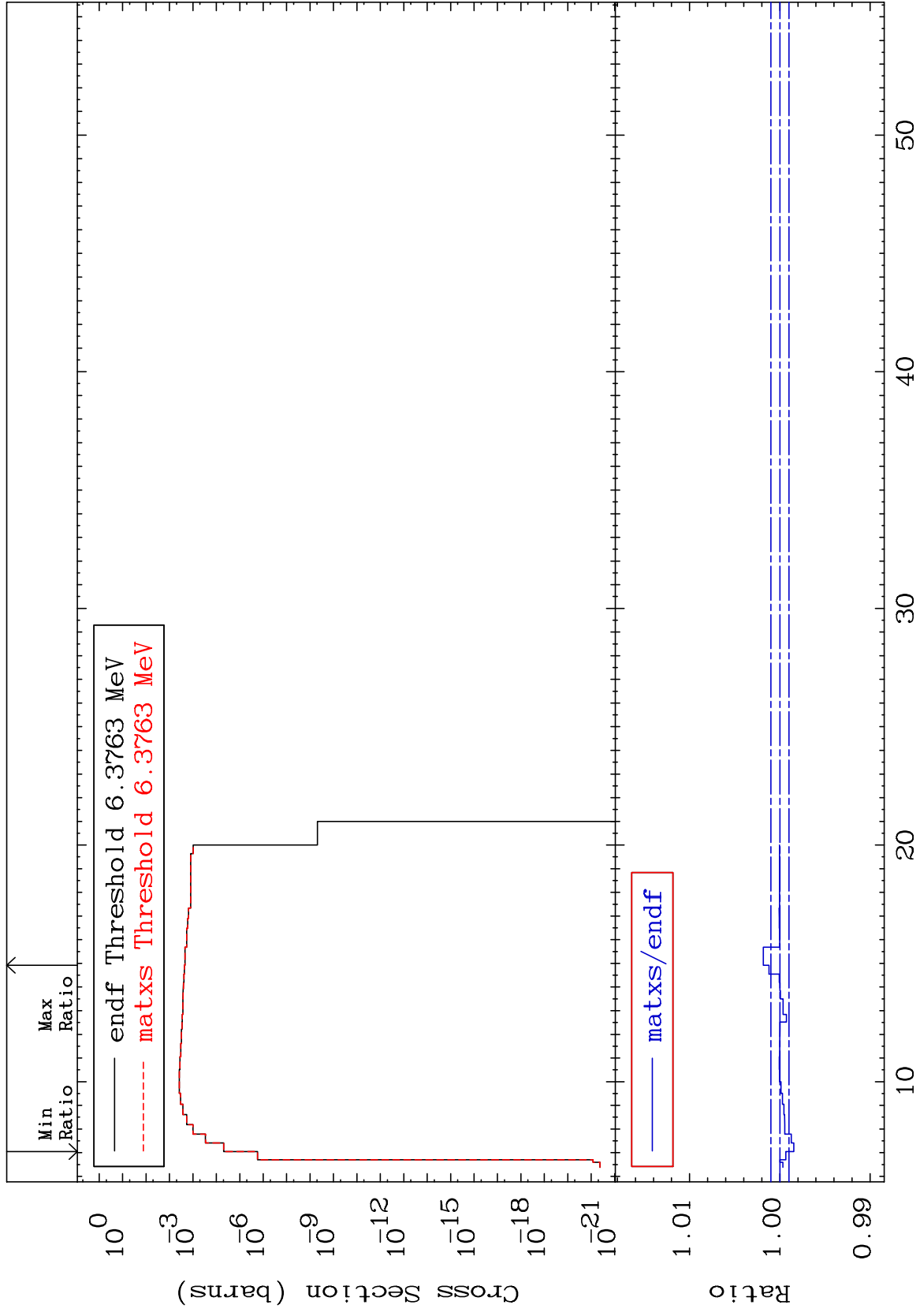
Incident Energy (MeV)

13-A1-27

MAT 1325

4.398 MeV (n,p') Level
Cross Section

13-A1-27
-0.154 To 0.183 %



62

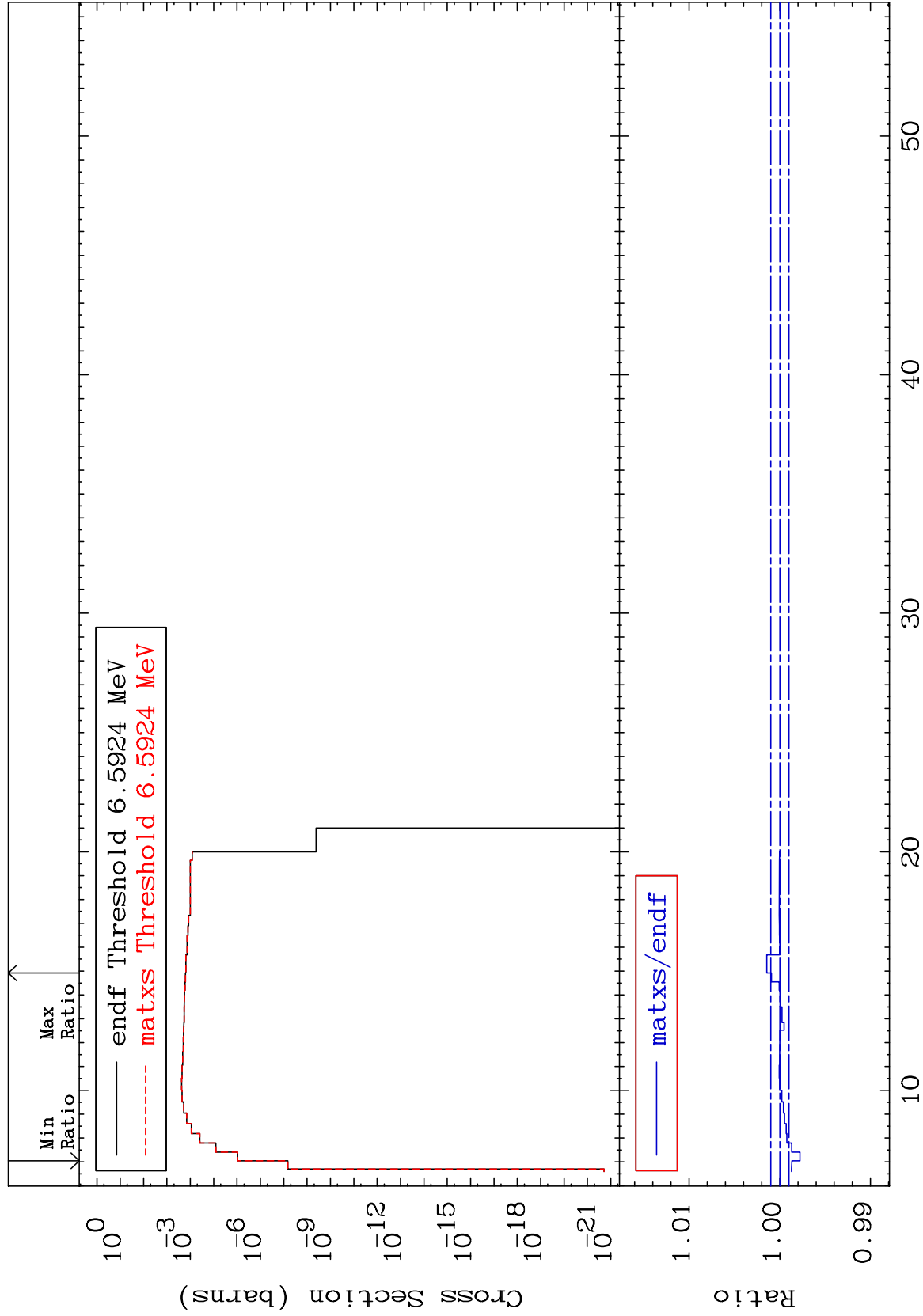
Incident Energy (MeV)

13-A1-27

MAT 1325

4.553 MeV (n,p') Level
Cross Section

13-A1-27
-0.223 To 0.144 %



63

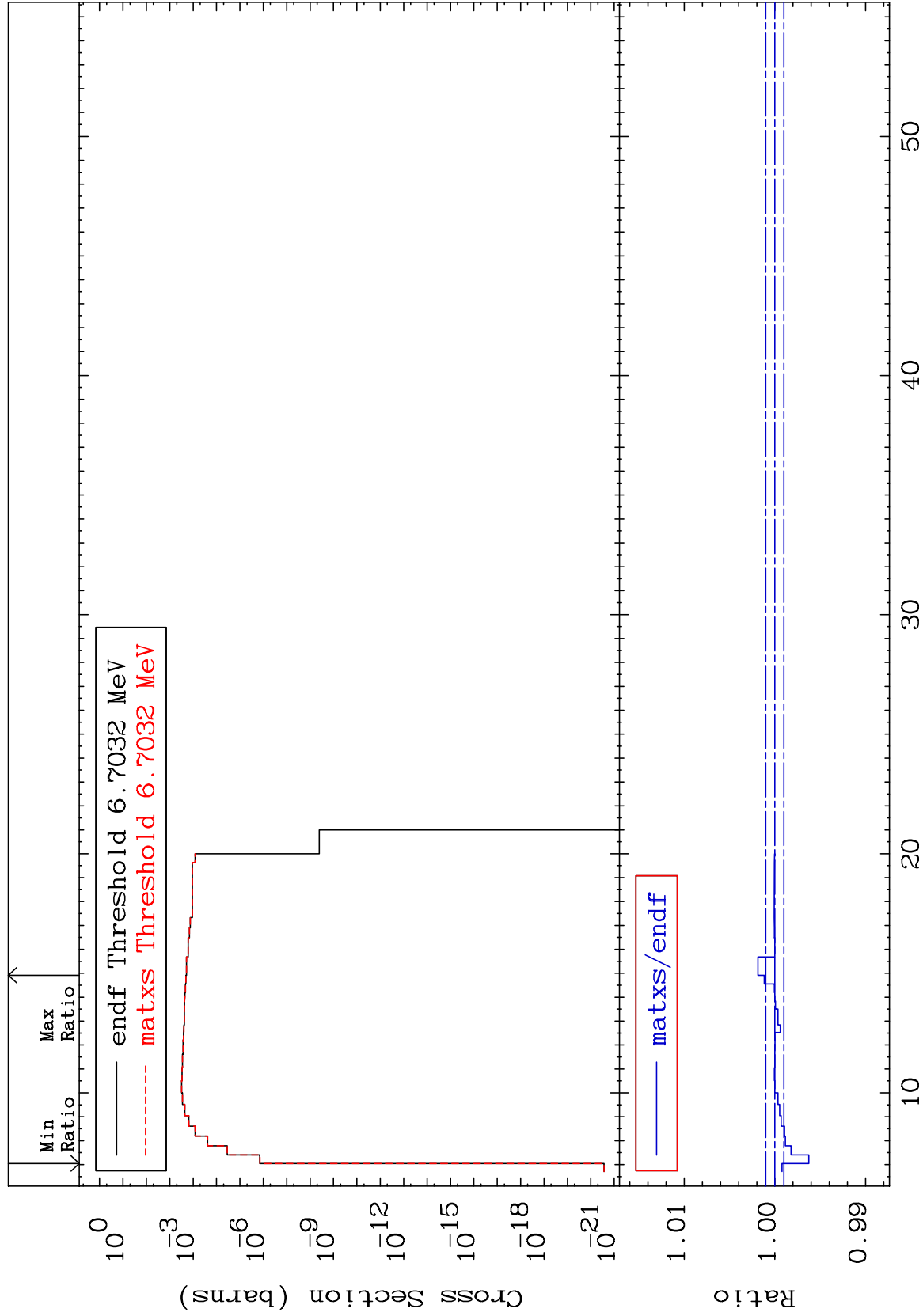
Incident Energy (MeV)

13-A1-27

MAT 1325

4.776 MeV (n,p') Level
Cross Section

13-A1-27
-0.374 To 0.187 %



64

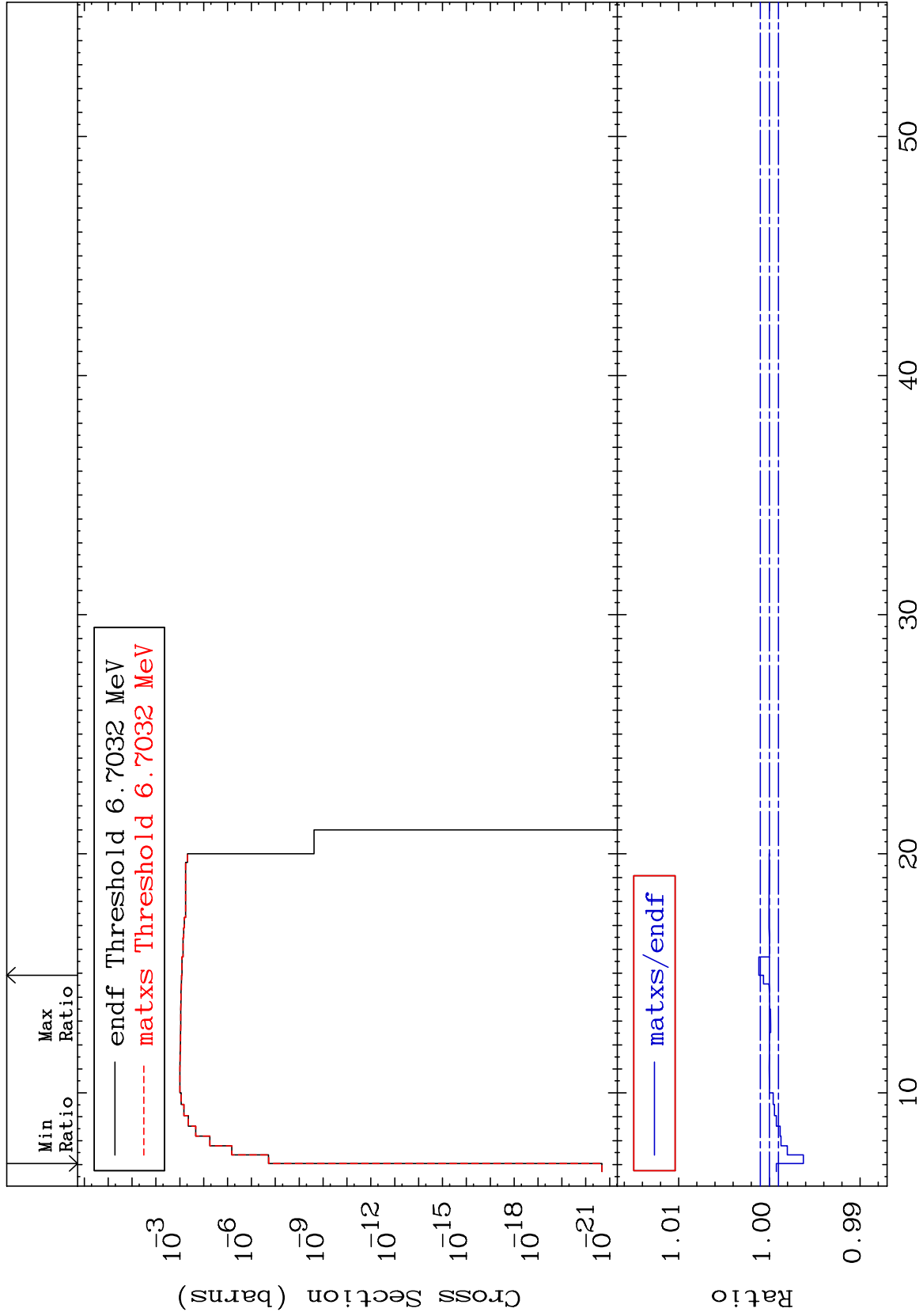
Incident Energy (MeV)

13-A1-27

MAT 1325

4.827 MeV (n,p') Level
Cross Section

13-A1-27
-0.374 To 0.115 %



65

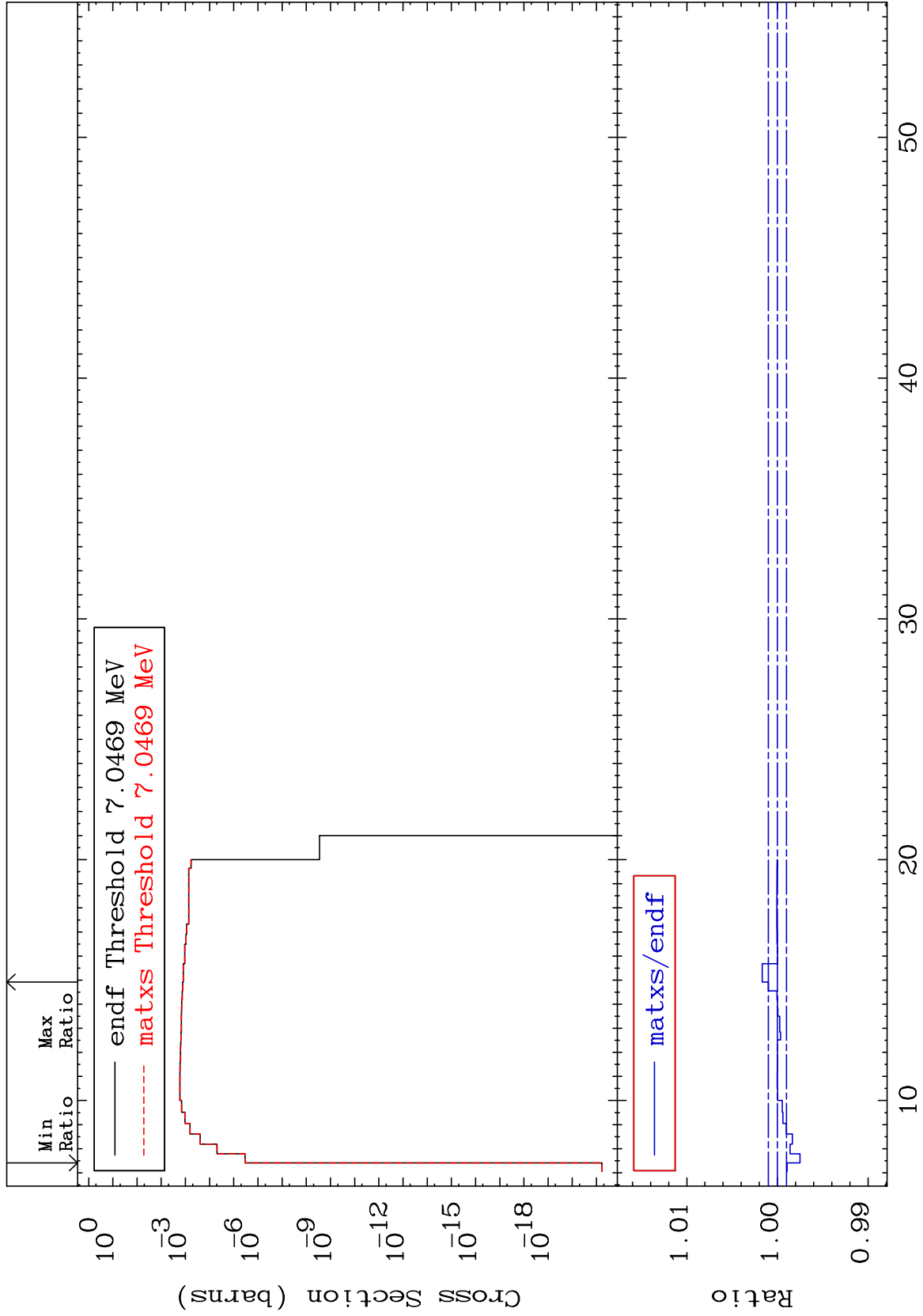
Incident Energy (MeV)

13-A1-27

MAT 1325

4.992 MeV (n,p') Level
Cross Section

13-A1-27
-0.248 To 0.167 %



66

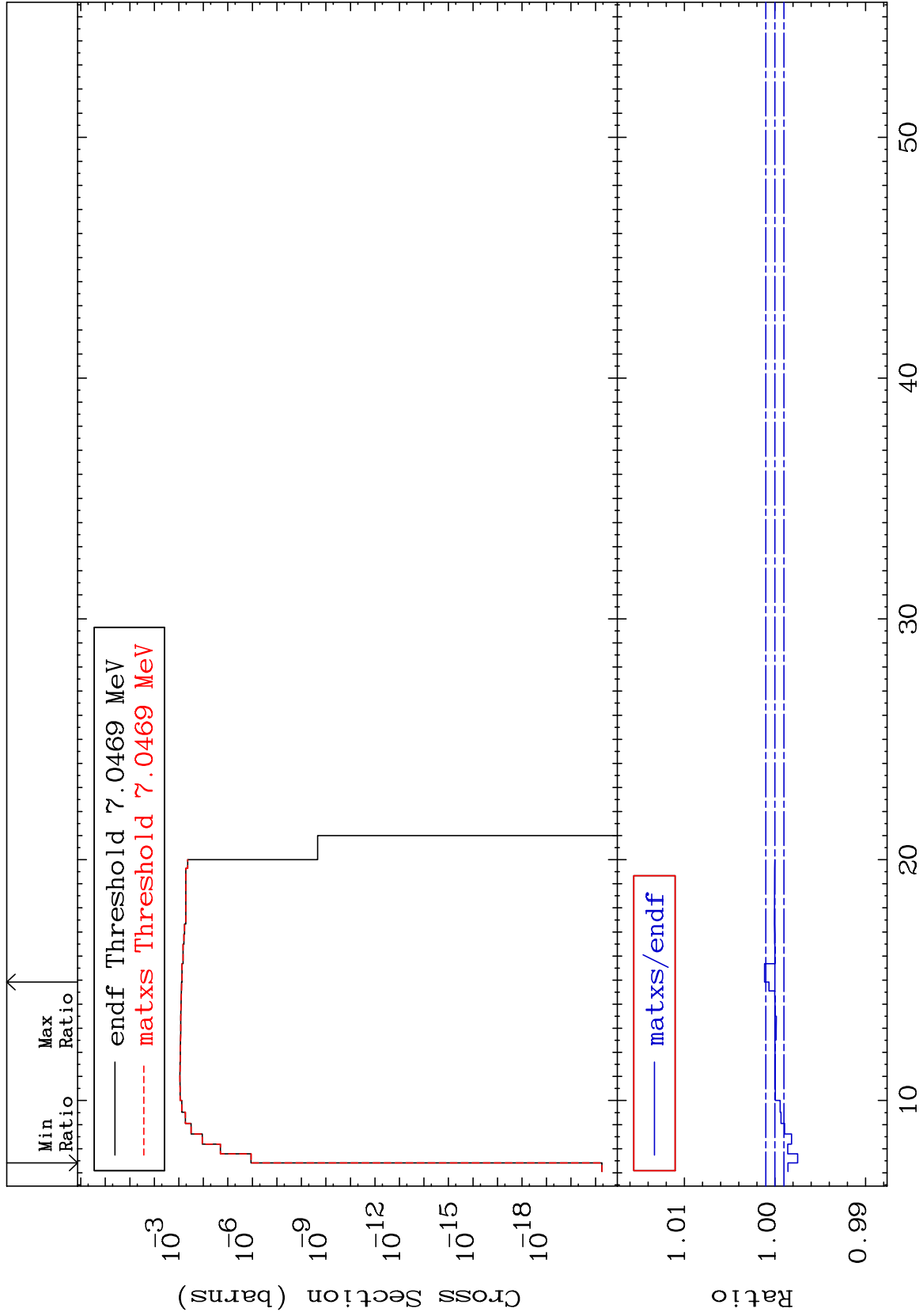
Incident Energy (MeV)

13-A1-27

MAT 1325

5.028 MeV (n,p') Level
Cross Section

13-A1-27
-0.251 To 0.115 %



67

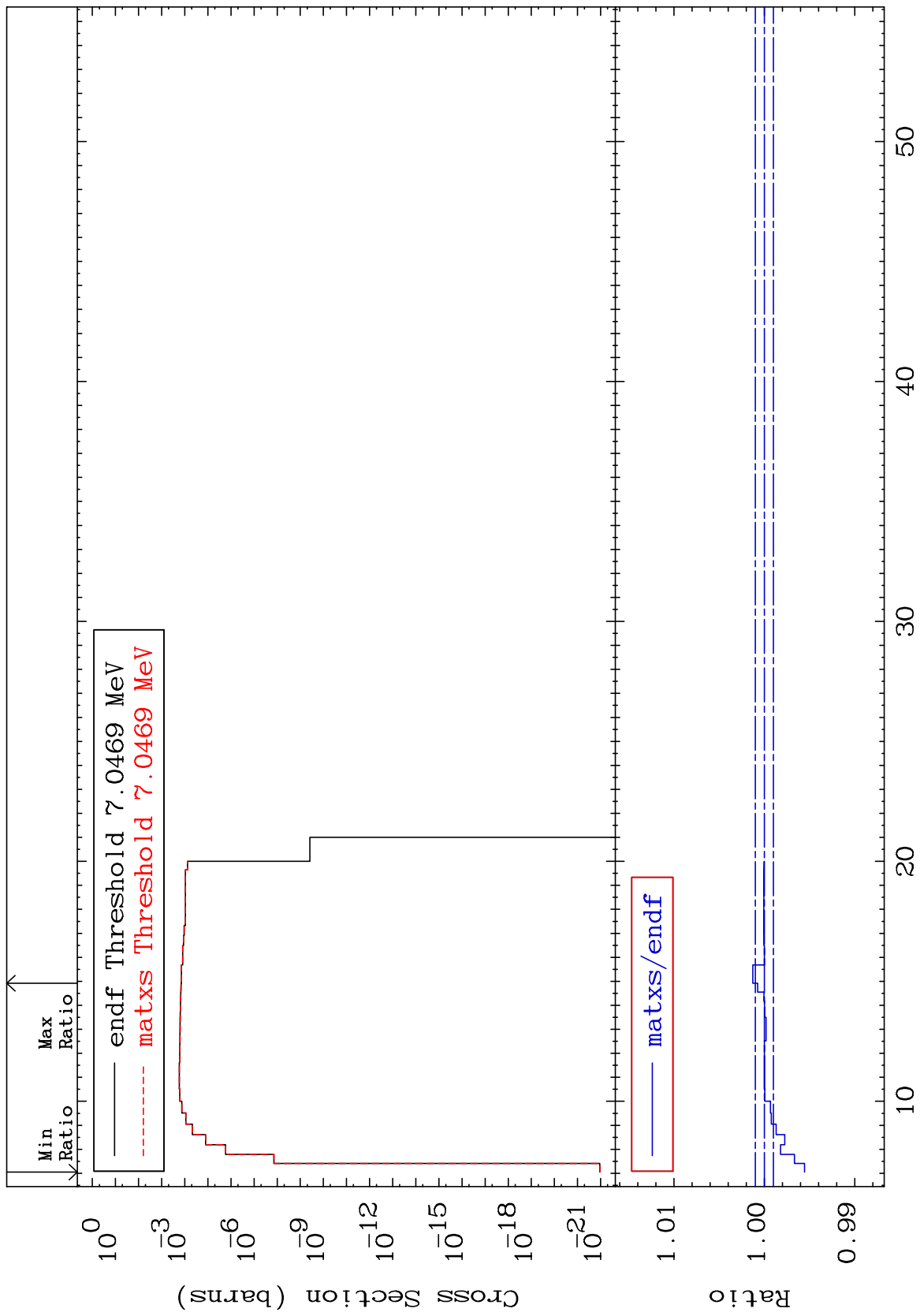
Incident Energy (MeV)

13-A1-27

MAT 1325

5.172 MeV (n,p') Level
Cross Section

13-A1-27
-0.444 To 0.128 %



68

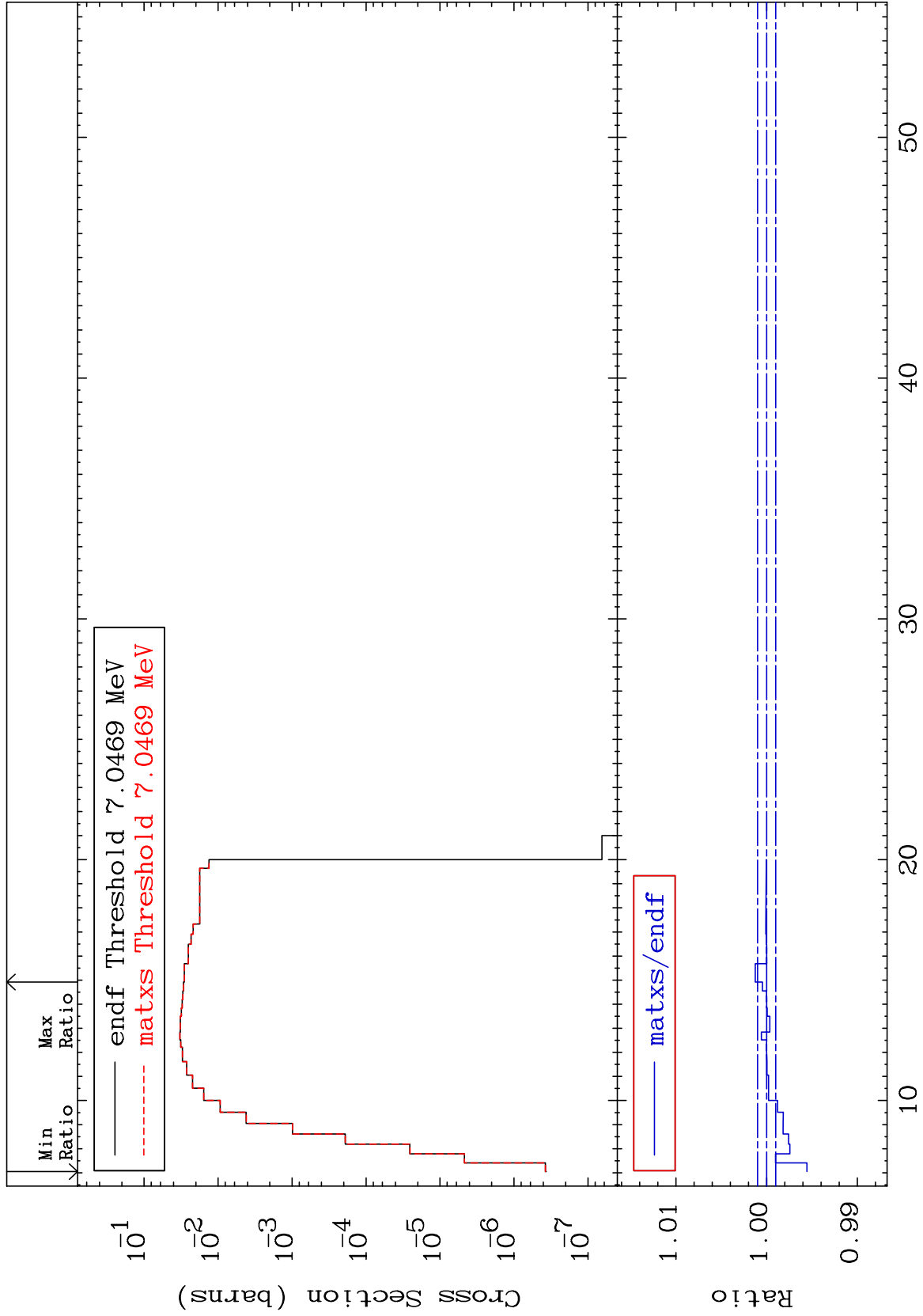
Incident Energy (MeV)

13-A1-27

MAT 1325

5.172 MeV (n,p') Level
Cross Section

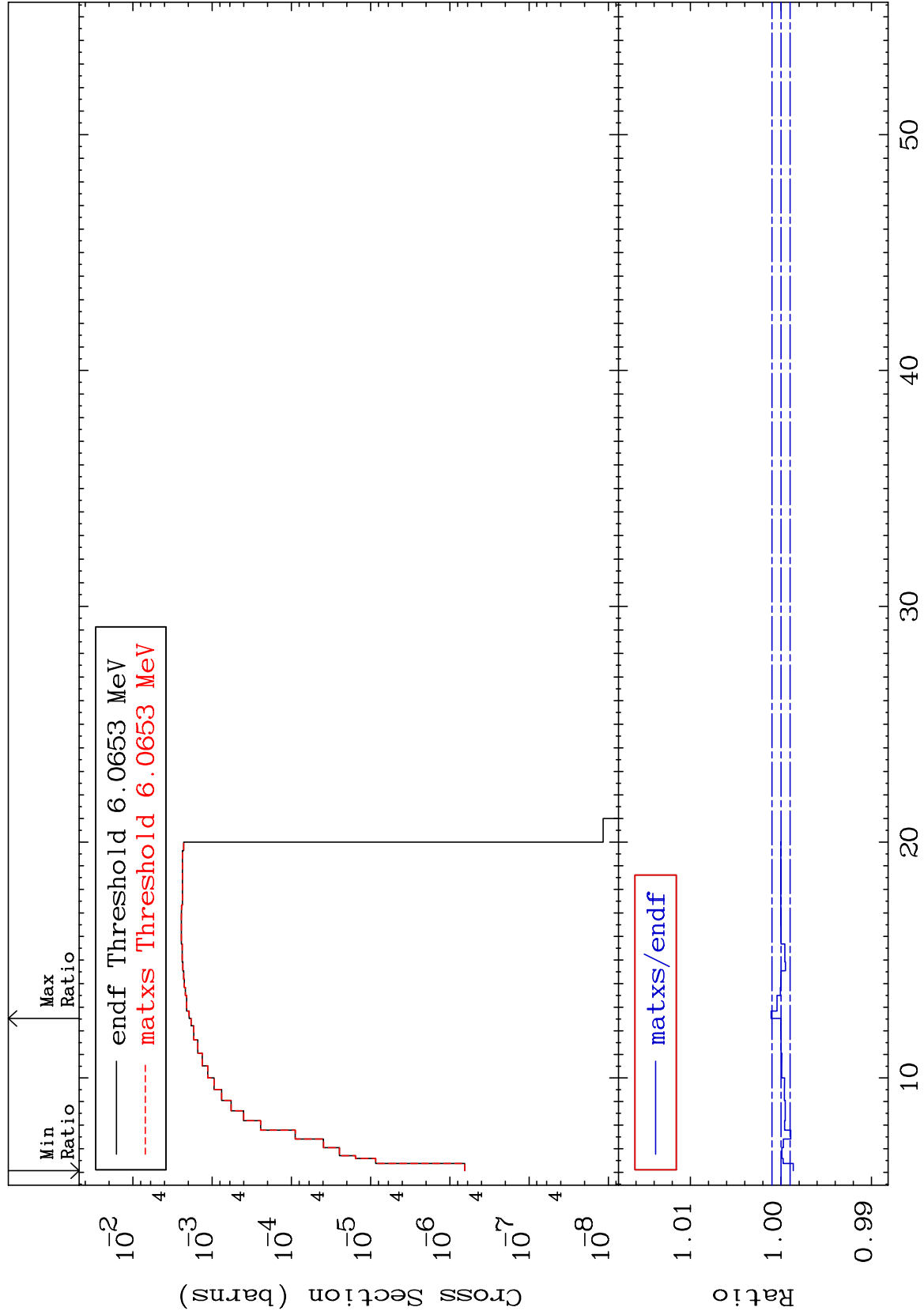
13-A1-27
-0.444 To 0.125 %



MAT 1325

(n, d') Ground
Cross Section

13-A1-27
-0.136 To 0.108 %



70

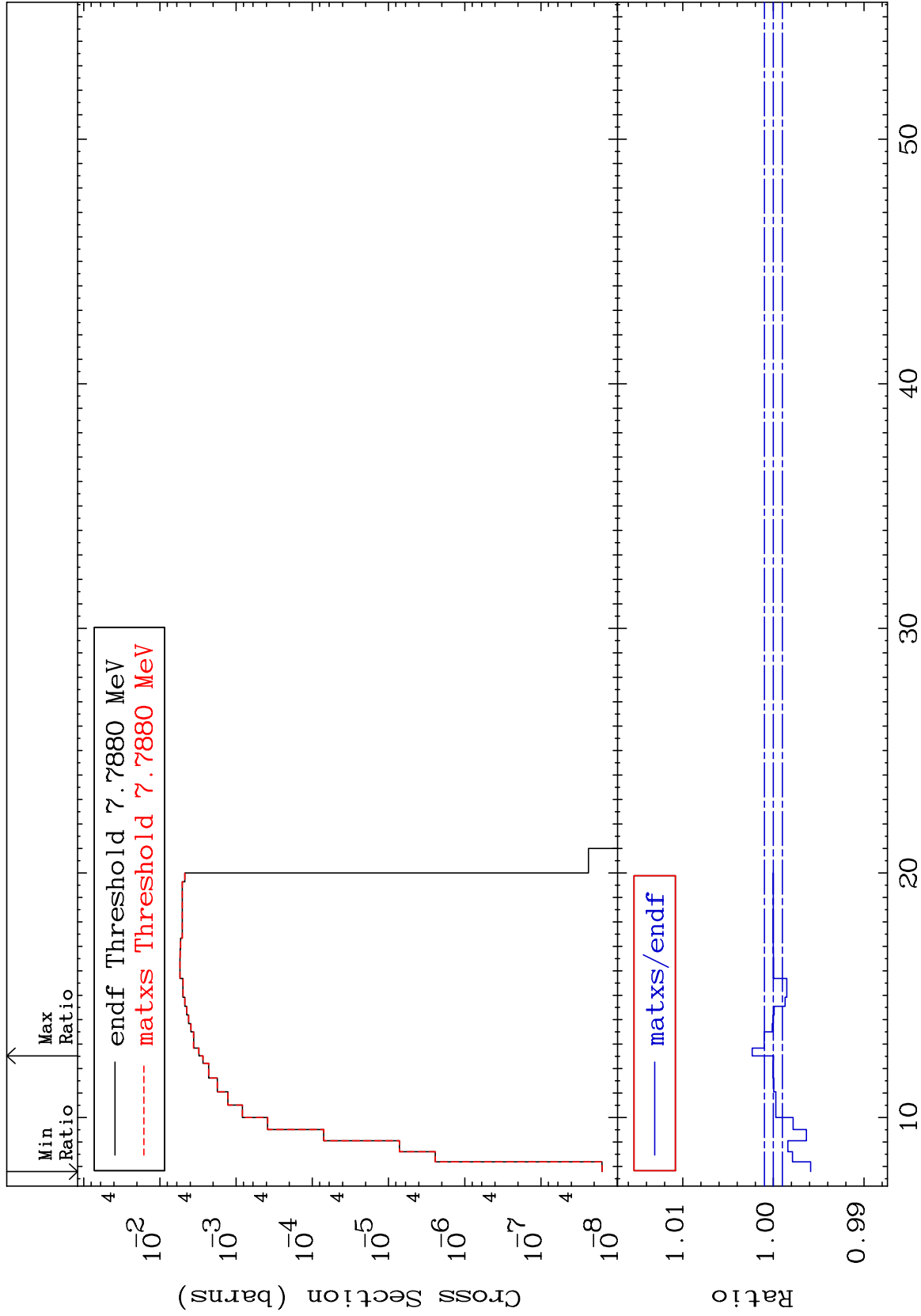
Incident Energy (MeV)

13-A1-27

MAT 1325

1.809 MeV (n,d') Level
Cross Section

13-A1-27
-0.411 To 0.234 %



71

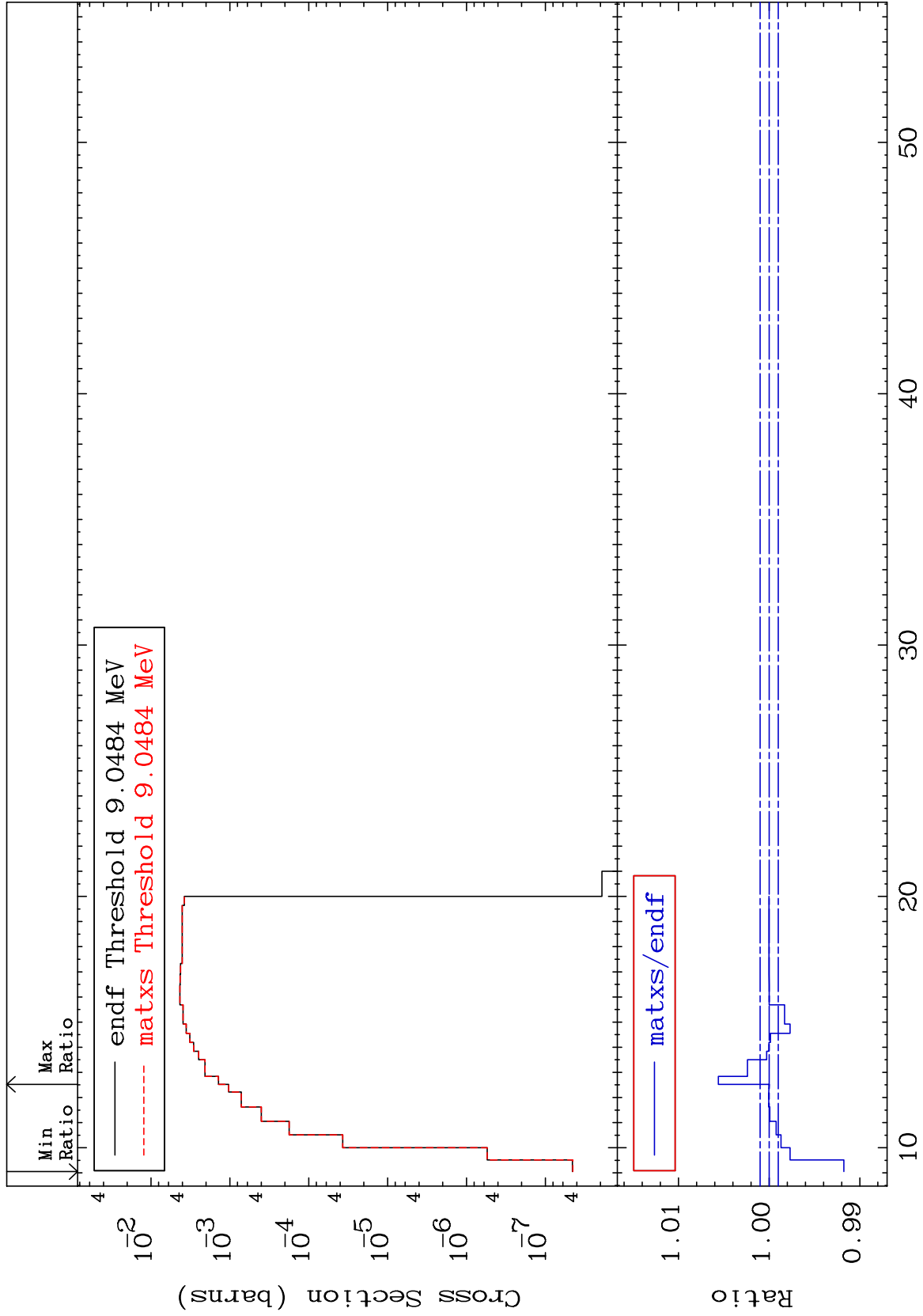
Incident Energy (MeV)

13-A1-27

MAT 1325

2.938 MeV (n,d') Level
Cross Section

13-A1-27
-0.825 To 0.560 %



72

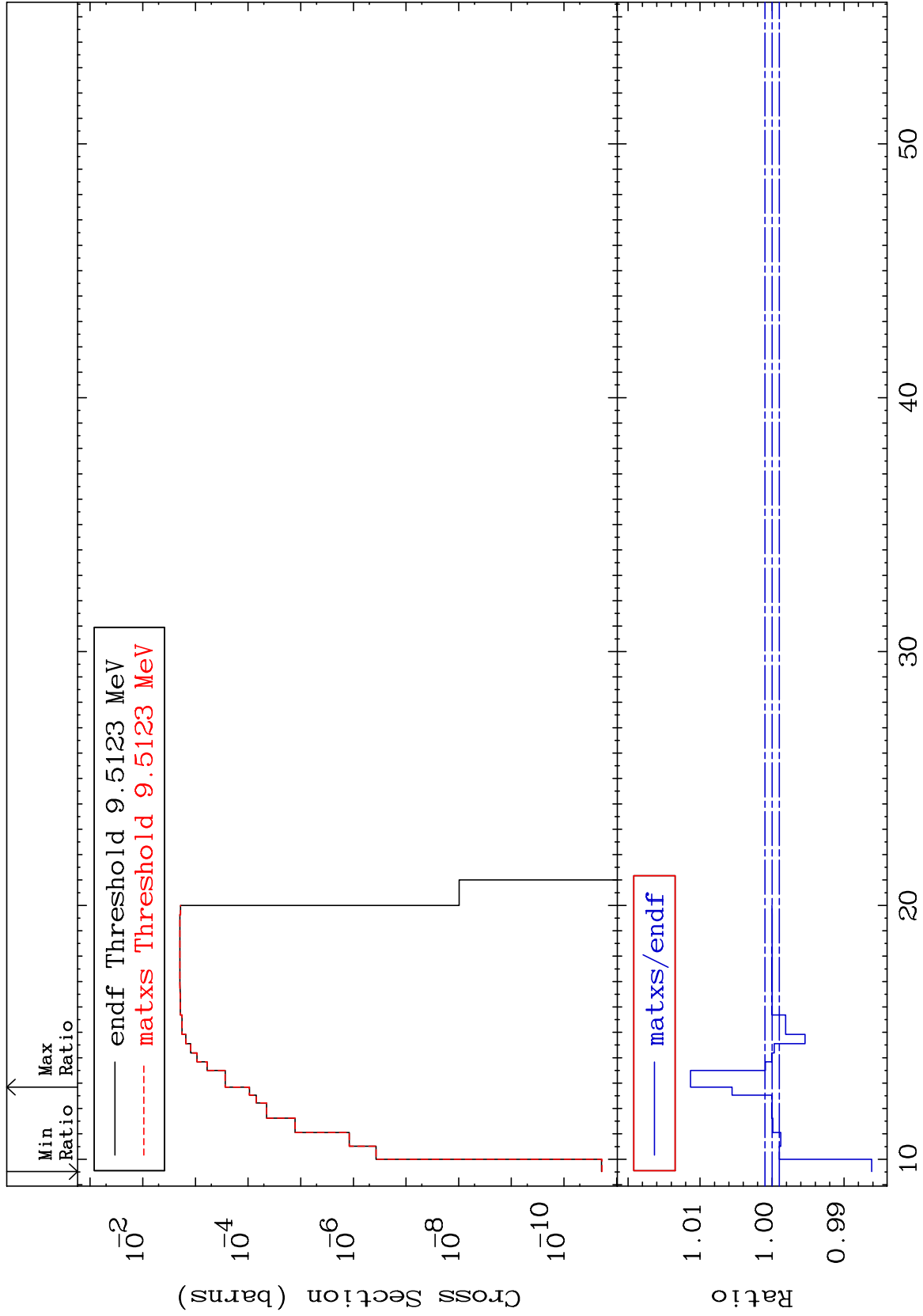
Incident Energy (MeV)

13-A1-27

MAT 1325

3.588 MeV (n,d') Level
Cross Section

13-A1-27
-1.388 To 1.132 %



73

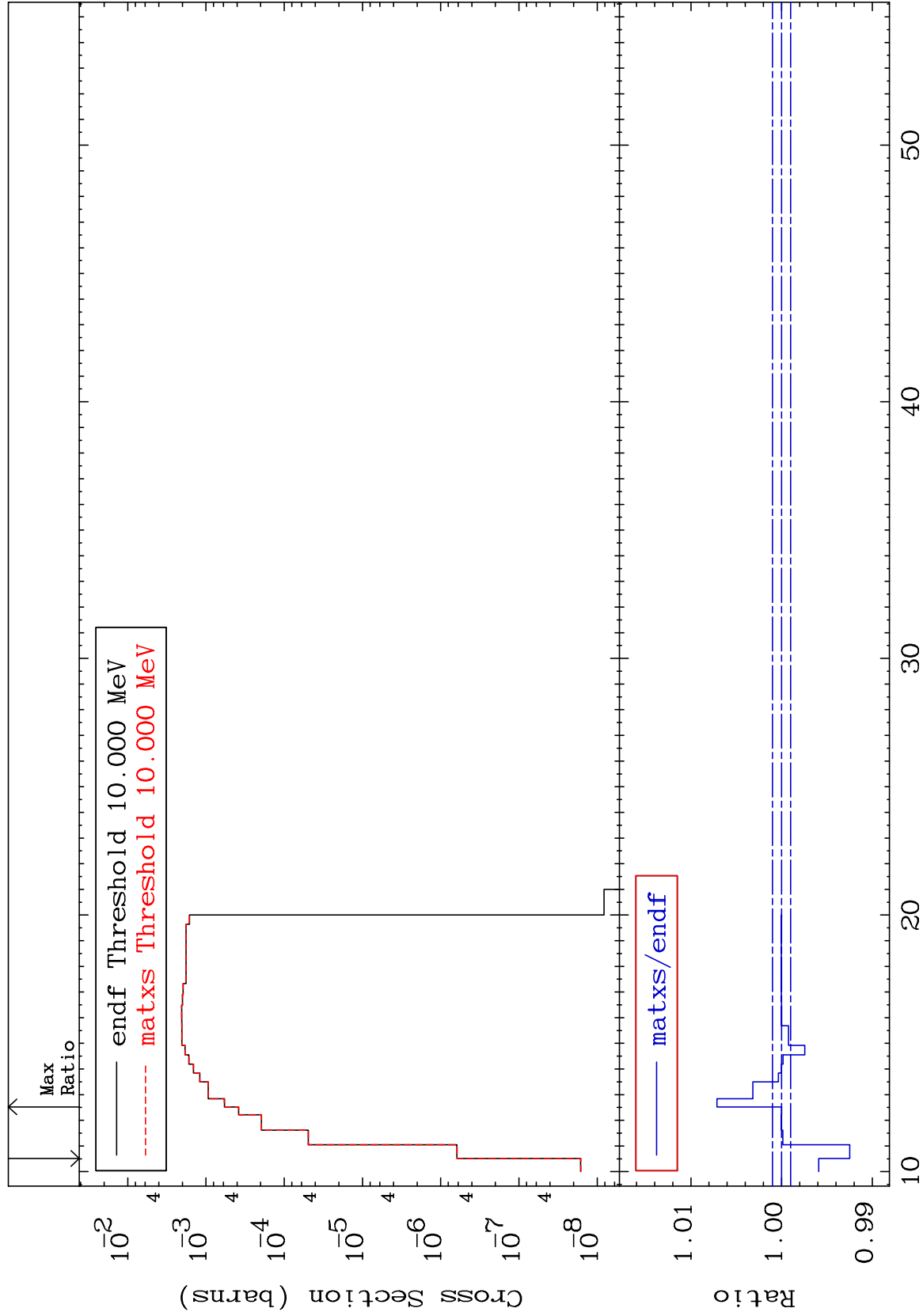
Incident Energy (MeV)

13-A1-27

MAT 1325

3.940 MeV (n,d') Level
Cross Section

13-A1-27
-0.753 To 0.713 %



74

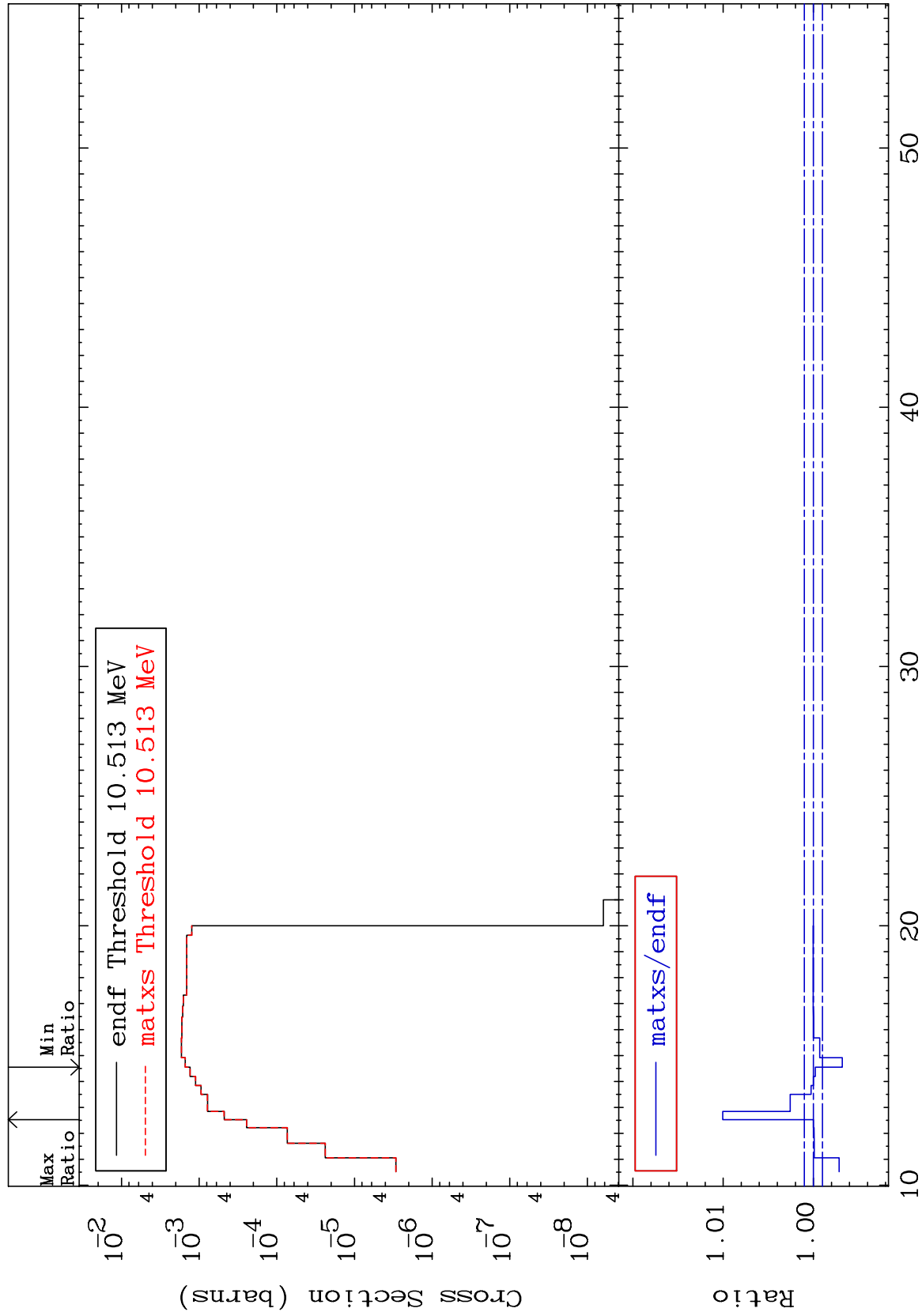
Incident Energy (MeV)

13-A1-27

MAT 1325

4.318 MeV (n,d') Level
Cross Section

13-A1-27
-0.320 To 1.005 %



75

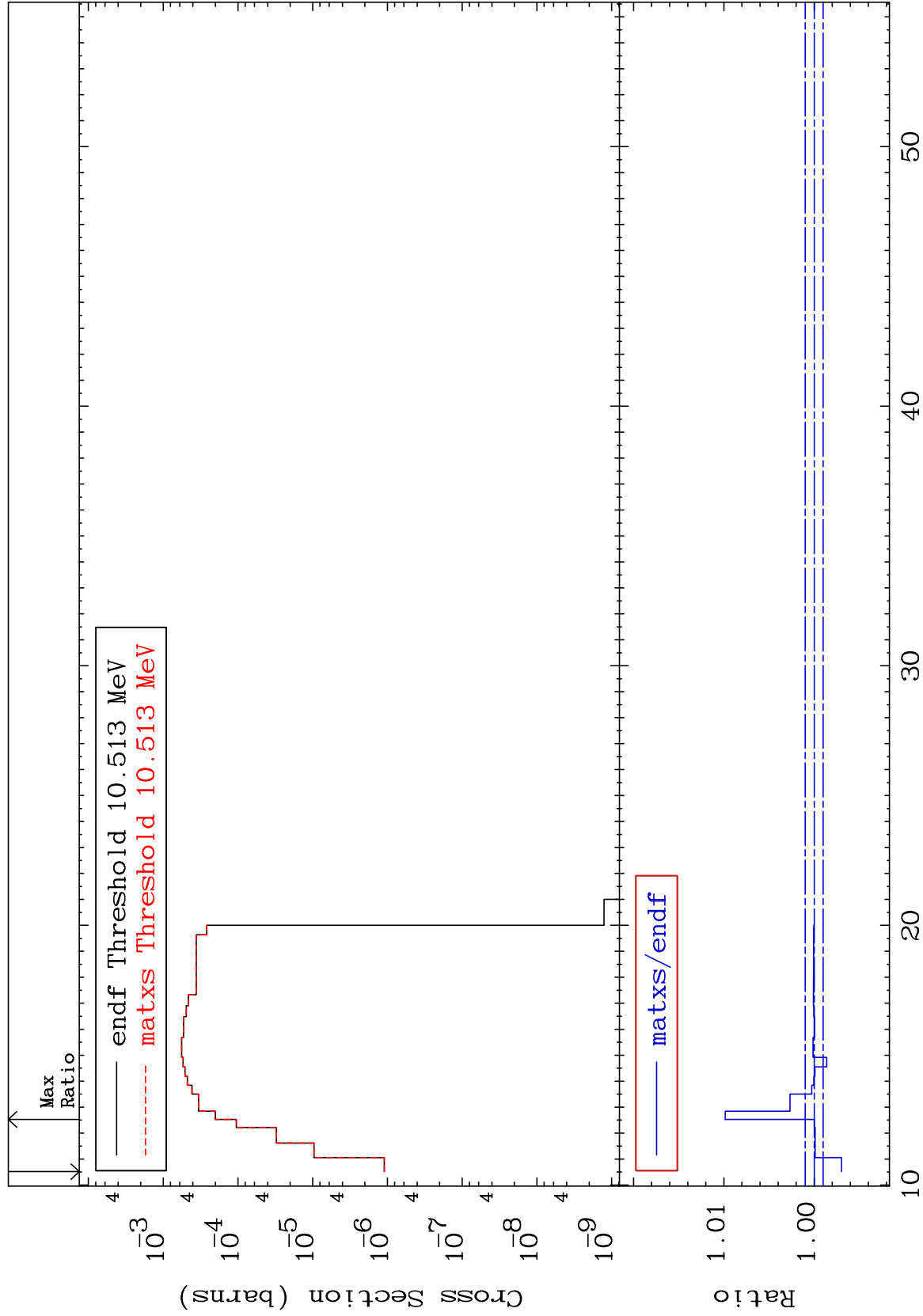
Incident Energy (MeV)

13-A1-27

MAT 1325

4.332 MeV (n,d') Level
Cross Section

13-A1-27
-0.302 To 0.985 %



76

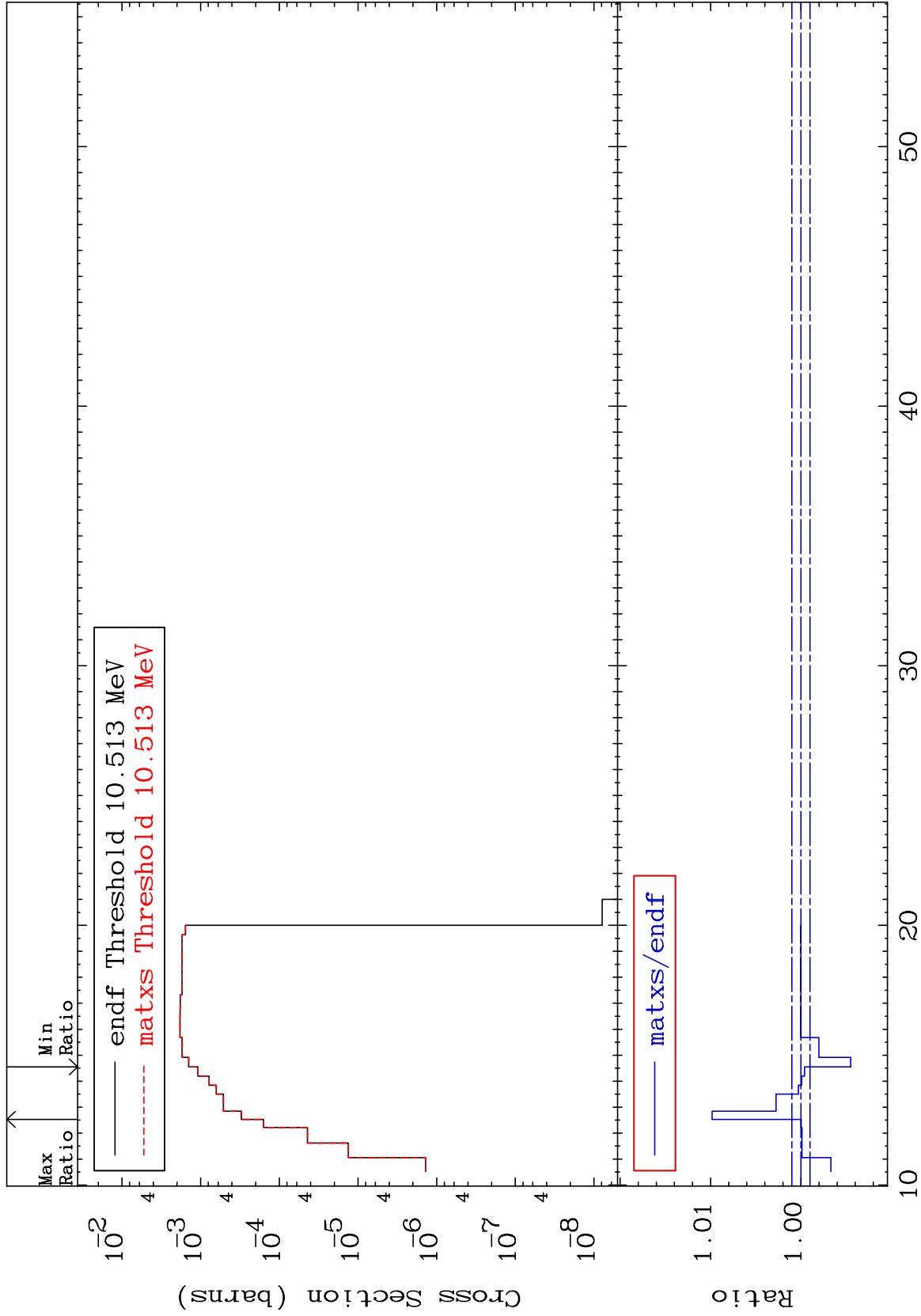
Incident Energy (MeV)

13-A1-27

MAT 1325

4.350 MeV (n,d') Level
Cross Section

13-A1-27
-0.551 To 0.984 %



77

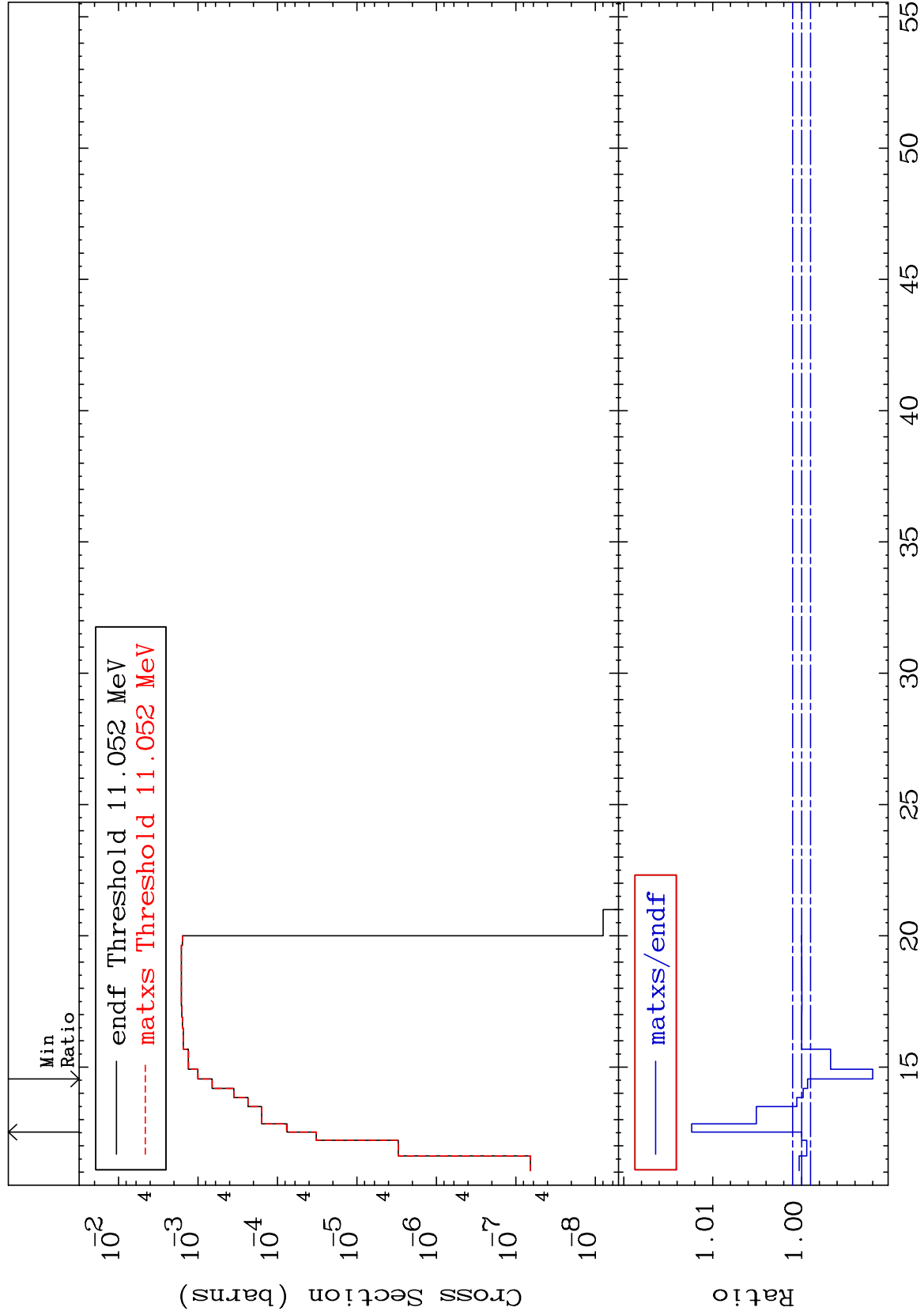
Incident Energy (MeV)

13-A1-27

MAT 1325

4.834 MeV (n,d') Level
Cross Section

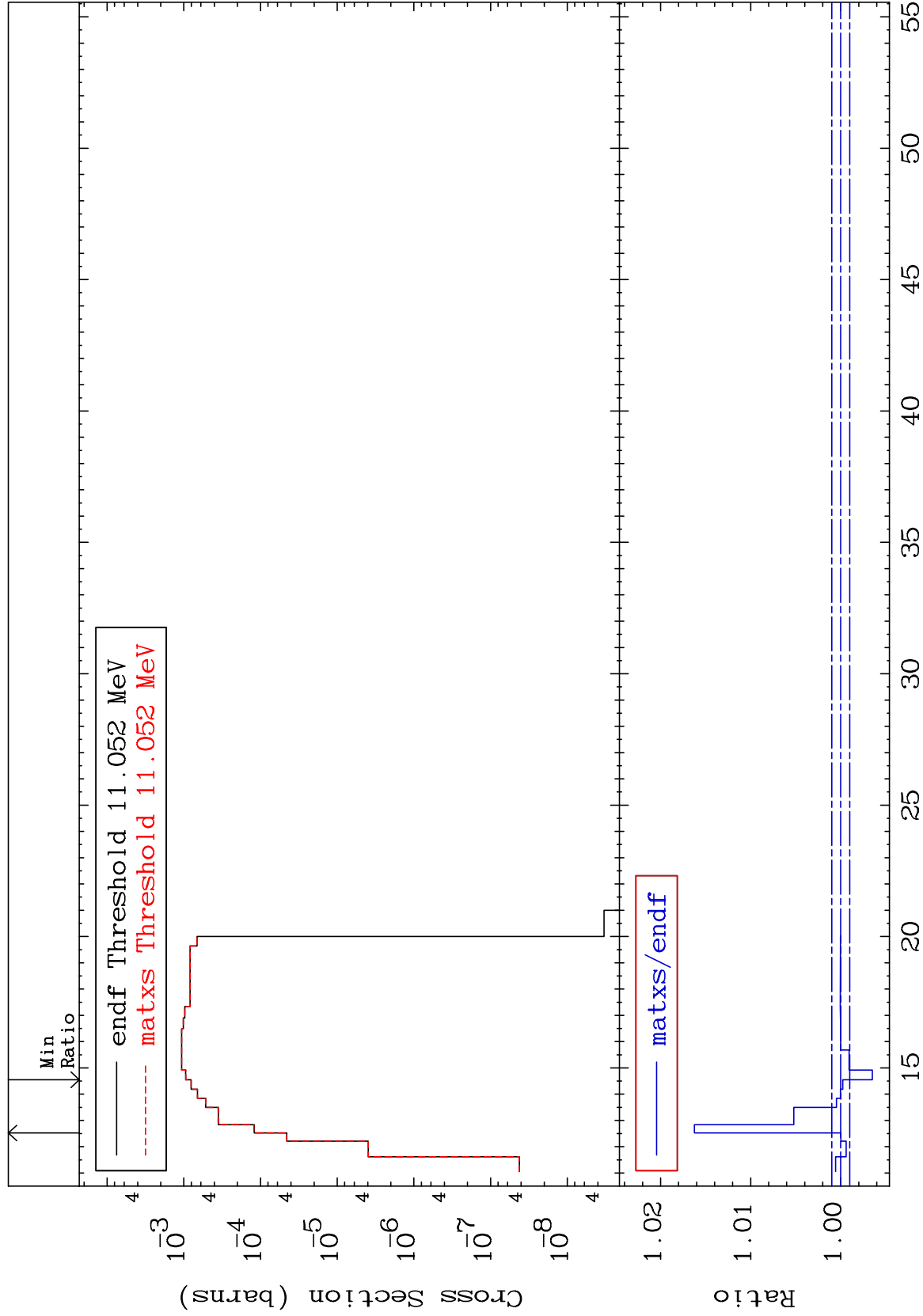
13-A1-27
-0.800 To 1.235 %



MAT 1325

4.900 MeV (n,d') Level
Cross Section

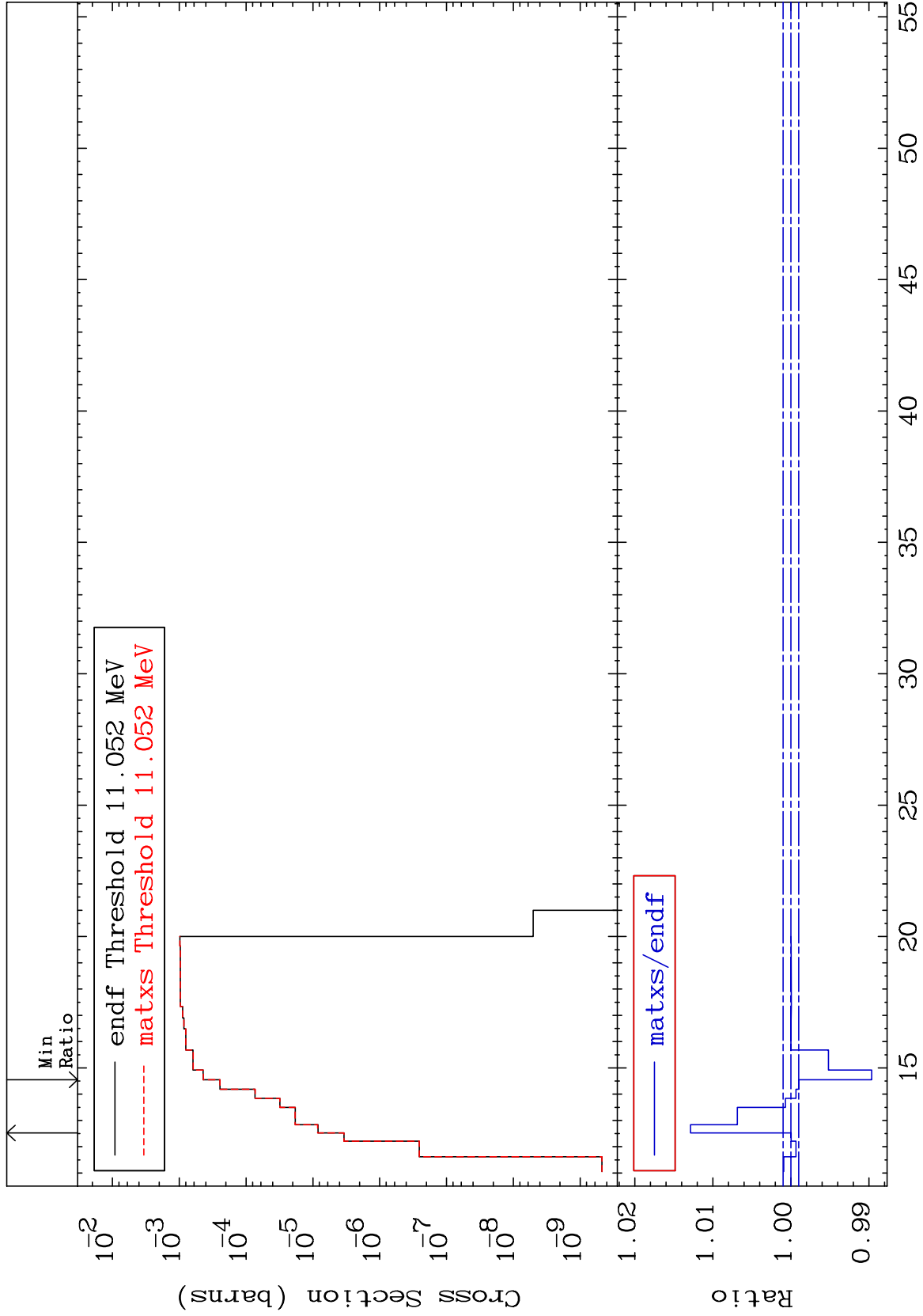
13-A1-27
-0.351 To 1.624 %



MAT 1325

4.972 MeV (n,d') Level
Cross Section

13-A1-27
-1.035 To 1.287 %



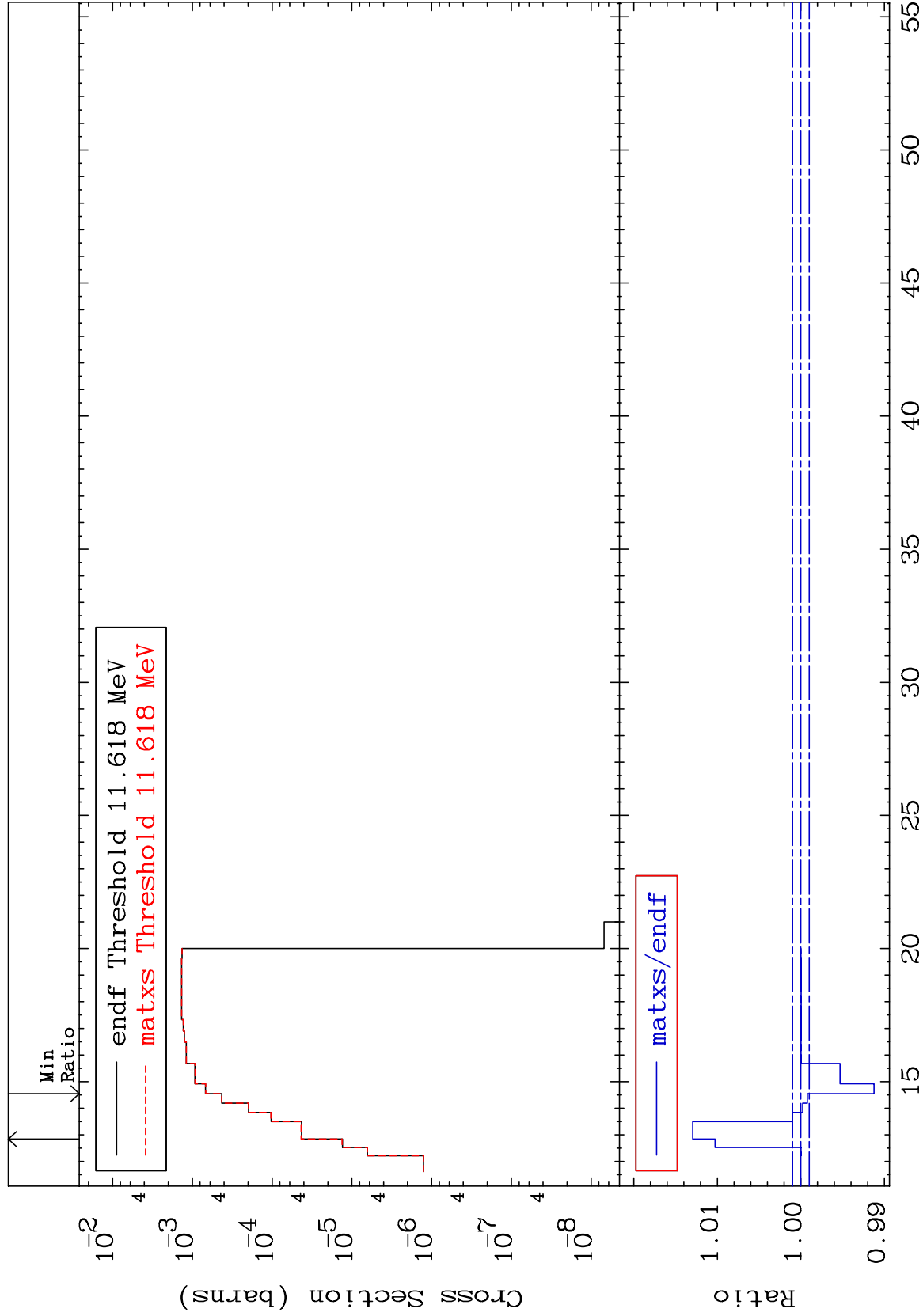
80

13-A1-27

MAT 1325

5.291 MeV (n,d') Level
Cross Section

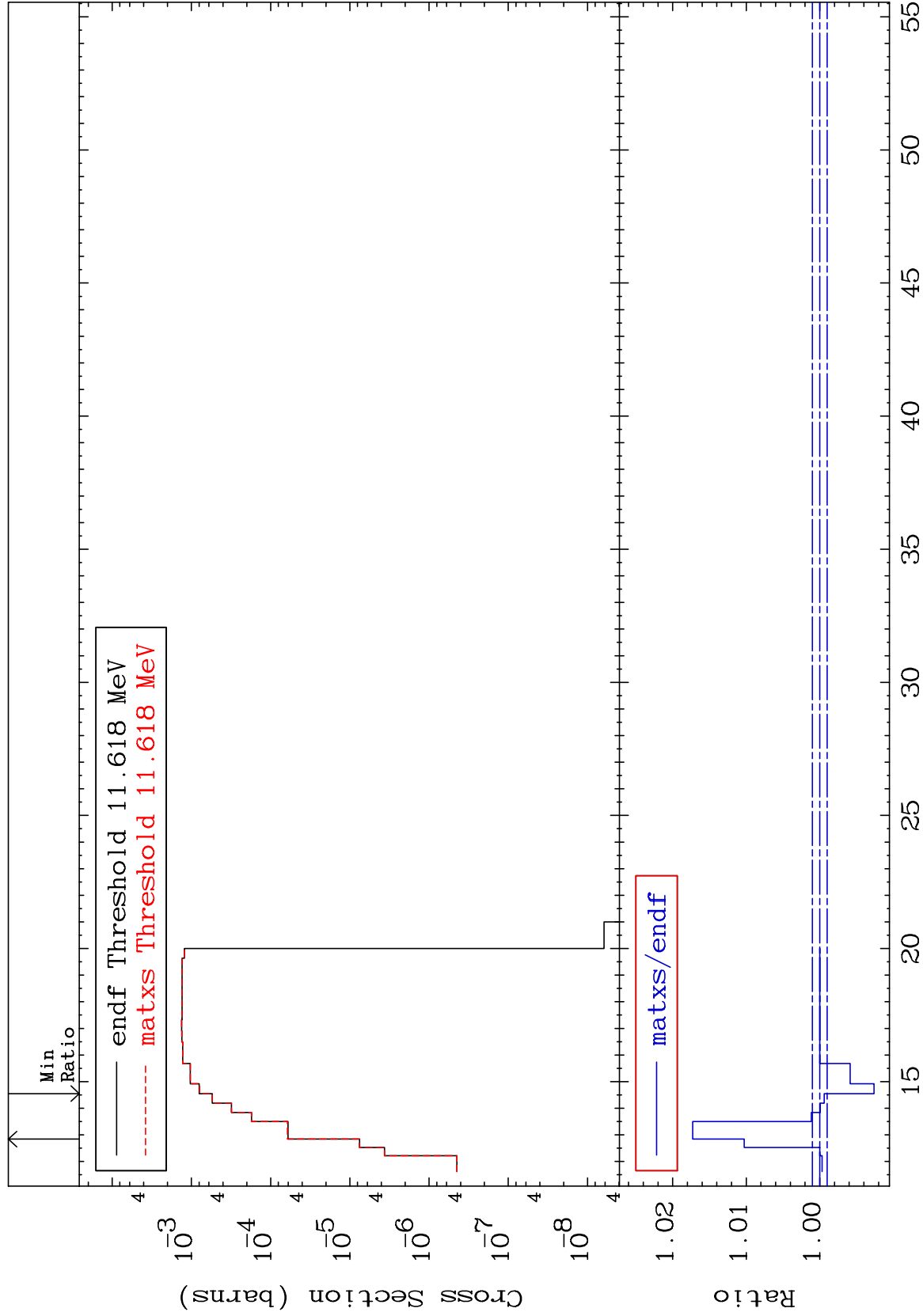
13-A1-27
-0.876 To 1.294 %



MAT 1325

5.474 MeV (n,d') Level
Cross Section

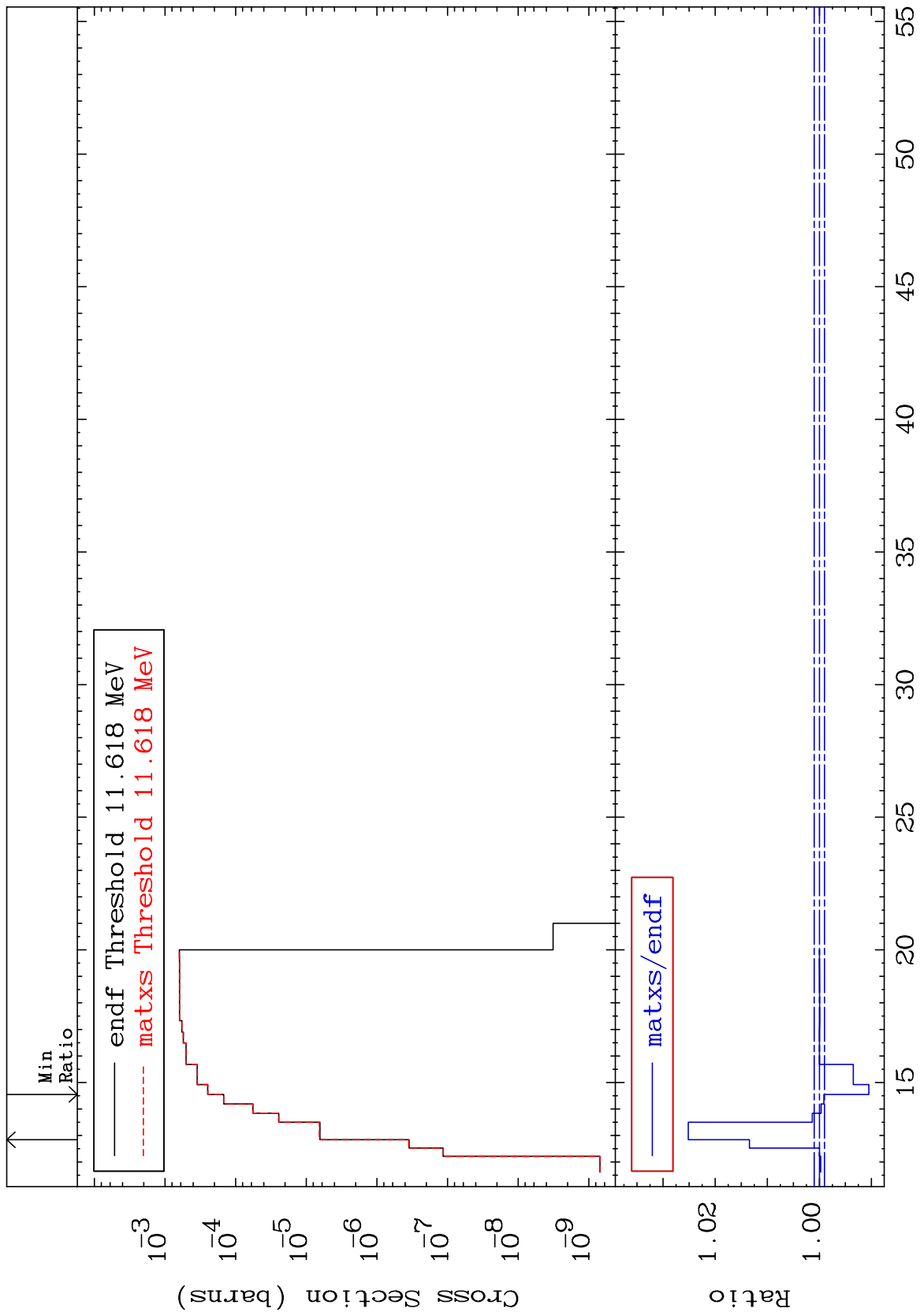
13-A1-27
-0.738 To 1.728 %



MAT 1325

5.690 MeV (n,d') Level
Cross Section

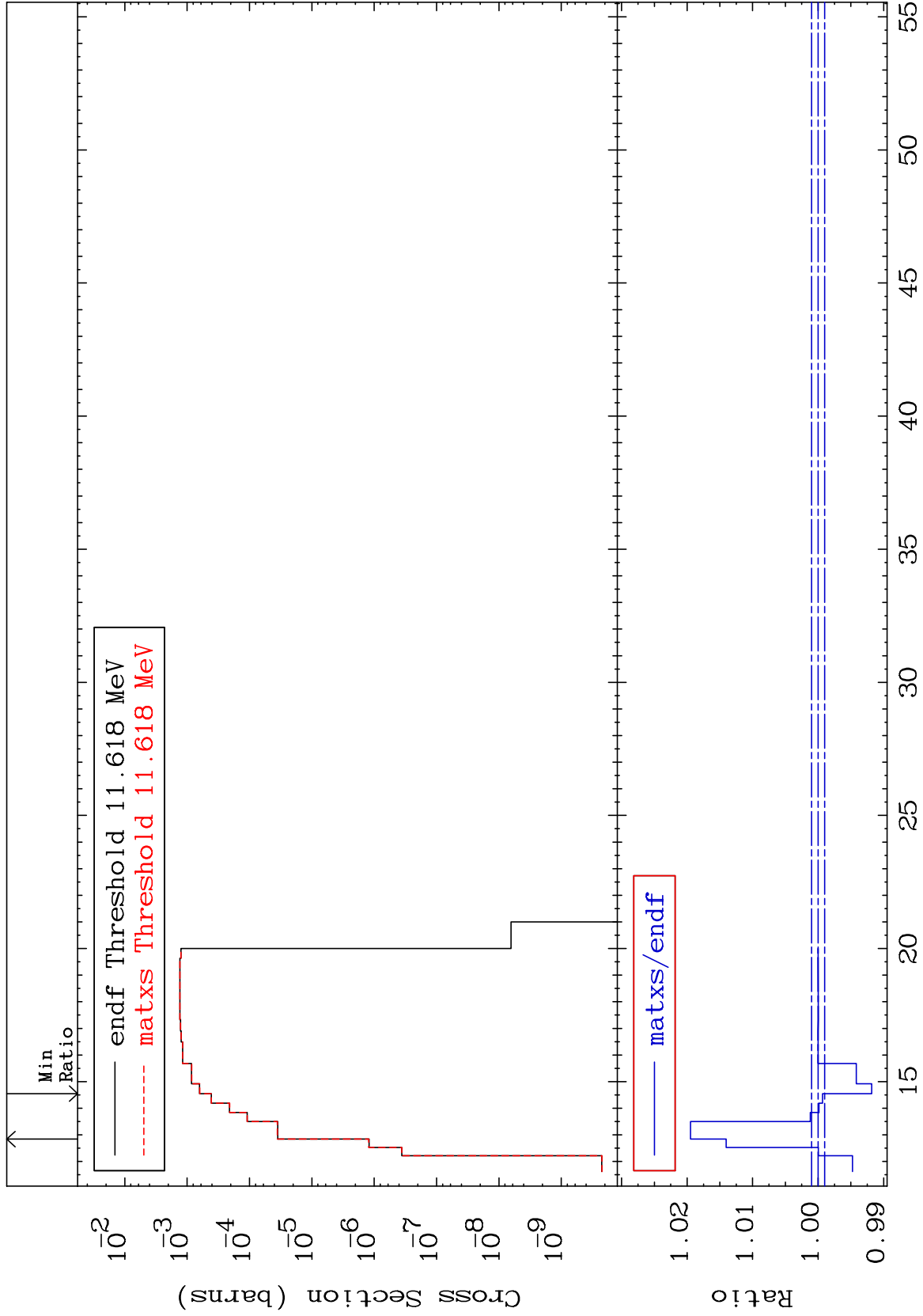
13-A1-27
-0.950 To 2.515 %



MAT 1325

5.715 MeV (n,d') Level
Cross Section

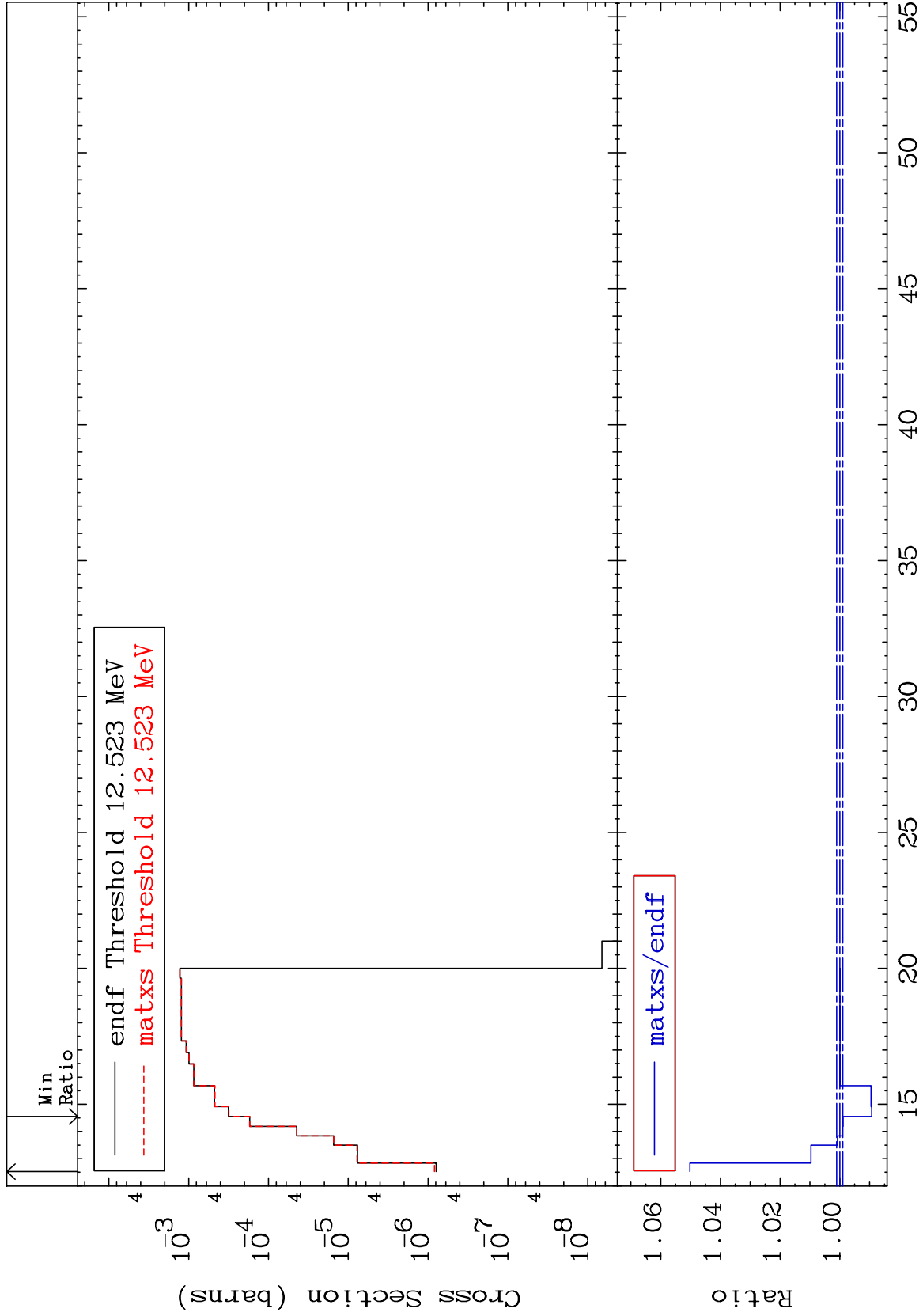
13-A1-27
-0.818 To 1.947 %



MAT 1325

6.125 MeV (n,d') Level
Cross Section

13-A1-27
-1.070 To 5.020 %



85

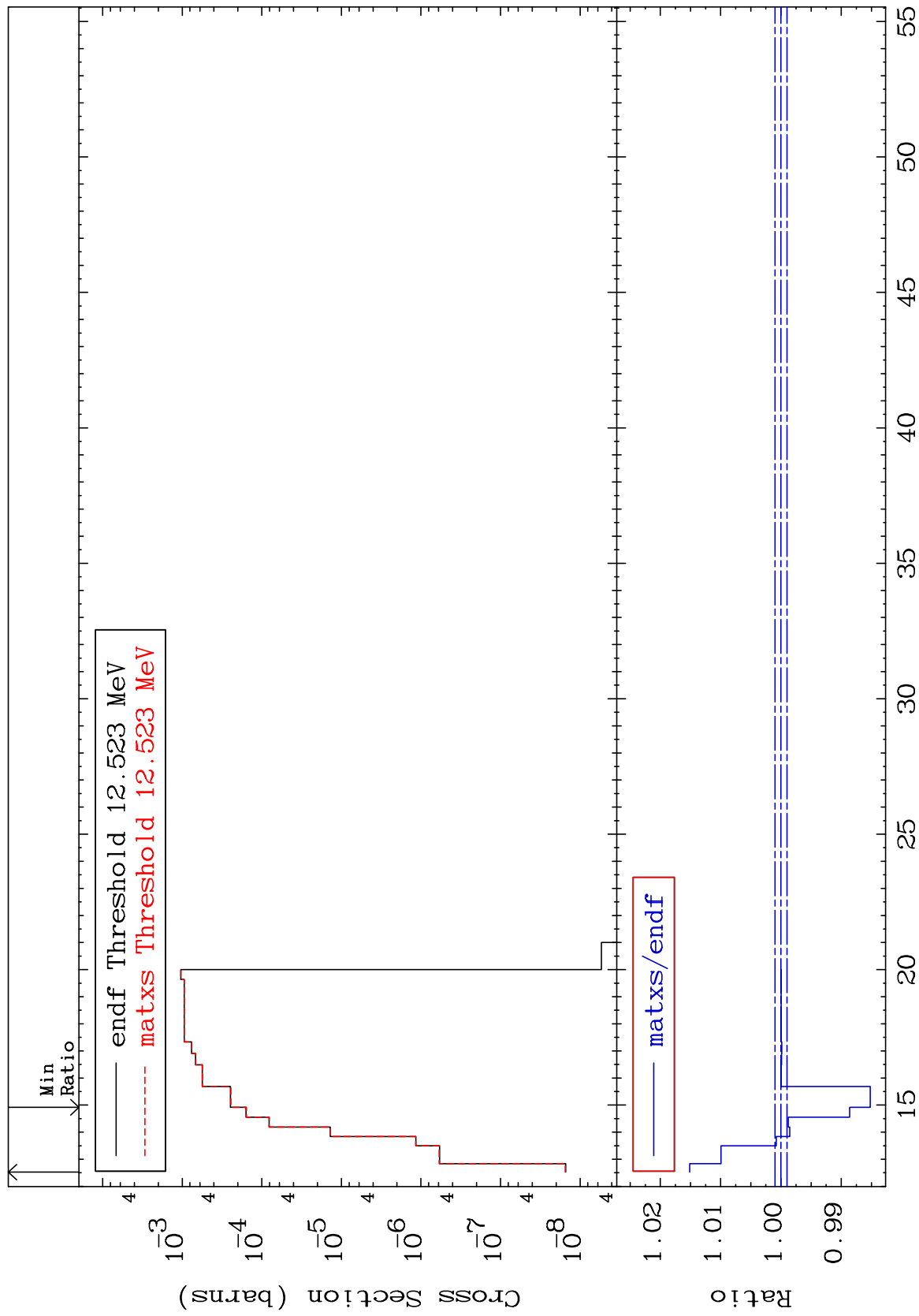
Incident Energy (MeV)

13-A1-27

MAT 1325

6.256 MeV (n,d') Level
Cross Section

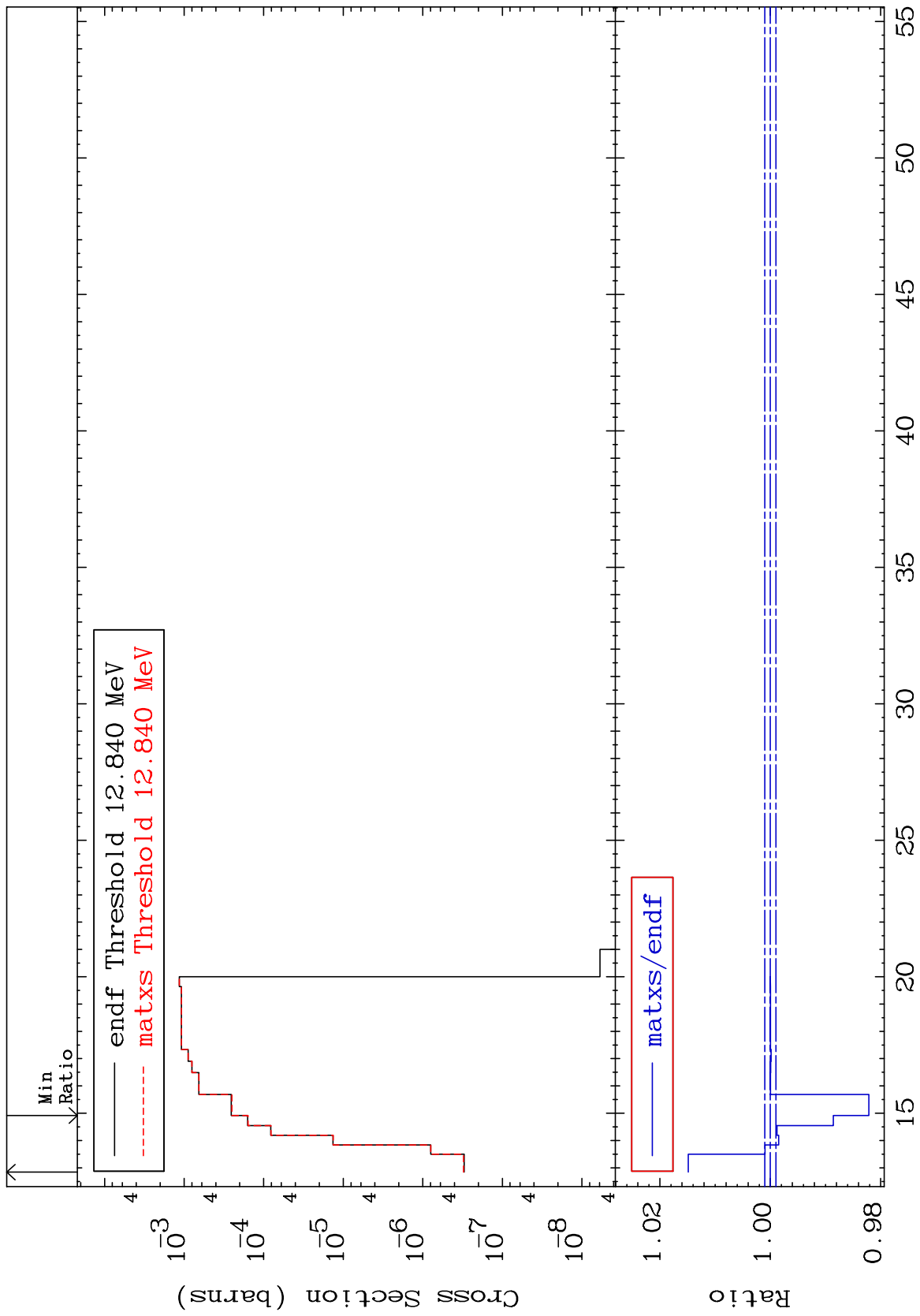
13-A1-27
-1.481 To 1.513 %



MAT 1325

6.621 MeV (n,d') Level
Cross Section

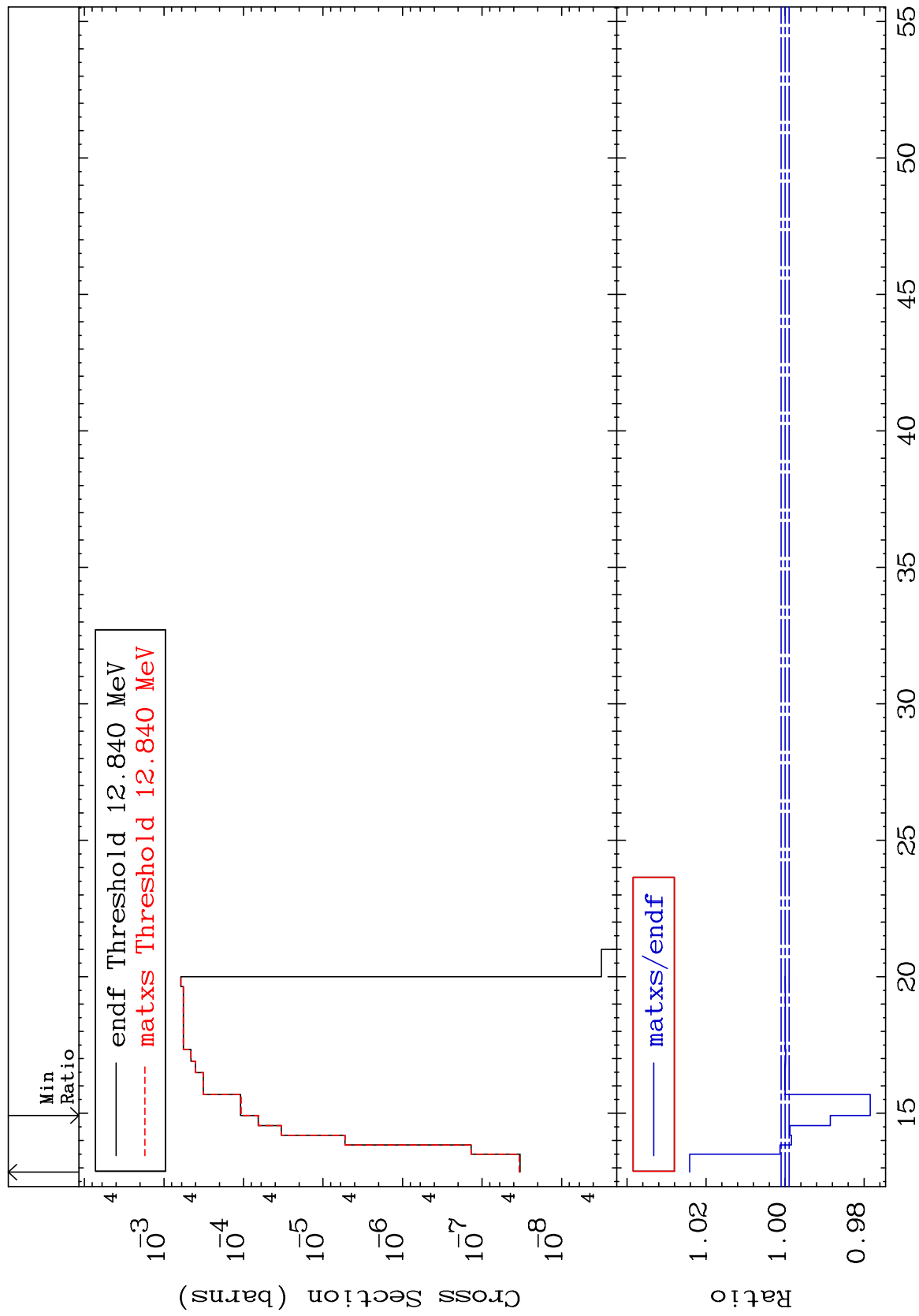
13-A1-27
-1.786 To 1.486 %



MAT 1325

6.744 MeV (n,d') Level
Cross Section

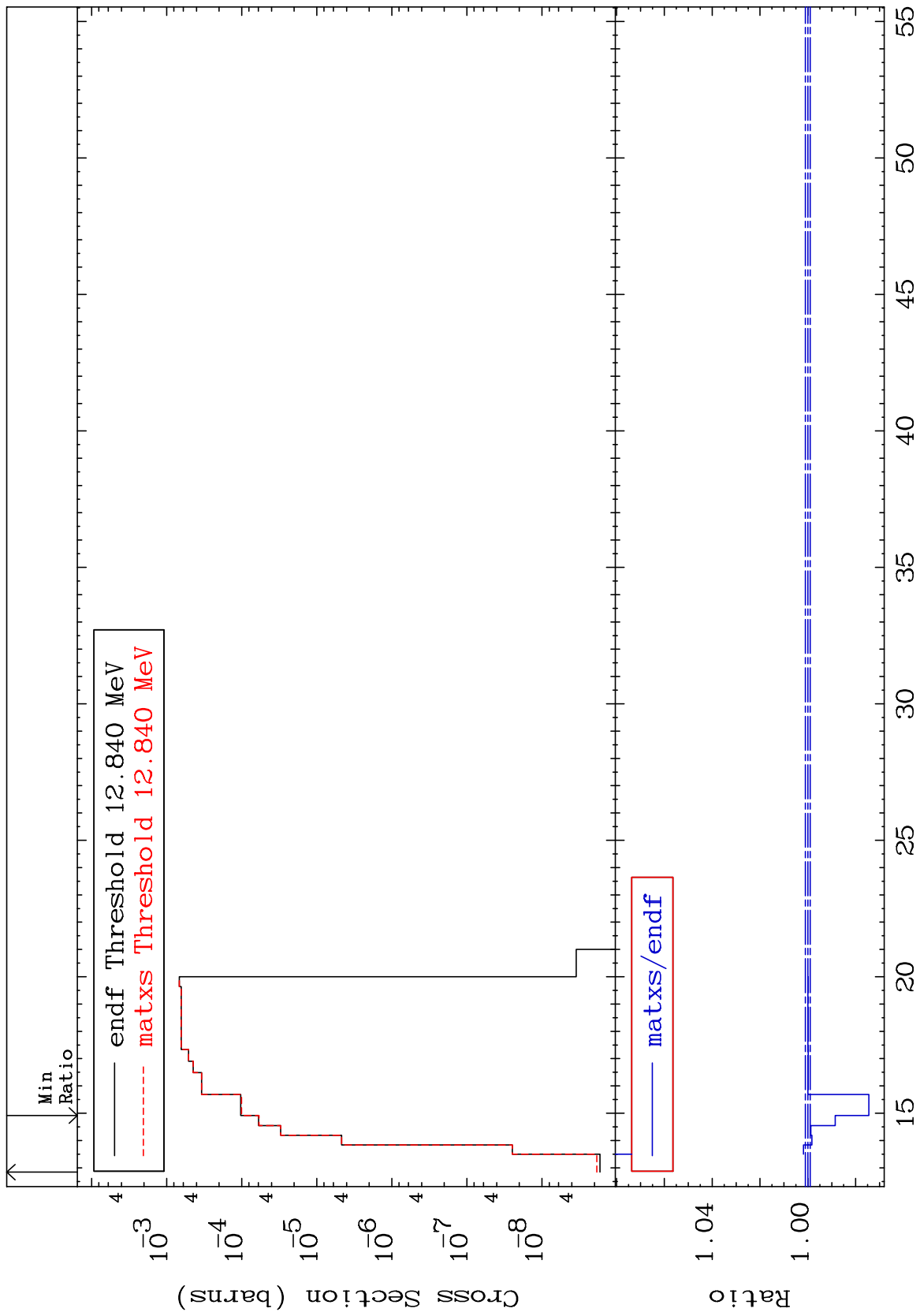
13-A1-27
-2.157 To 2.414 %



MAT 1325

6.878 MeV (n,d') Level
Cross Section

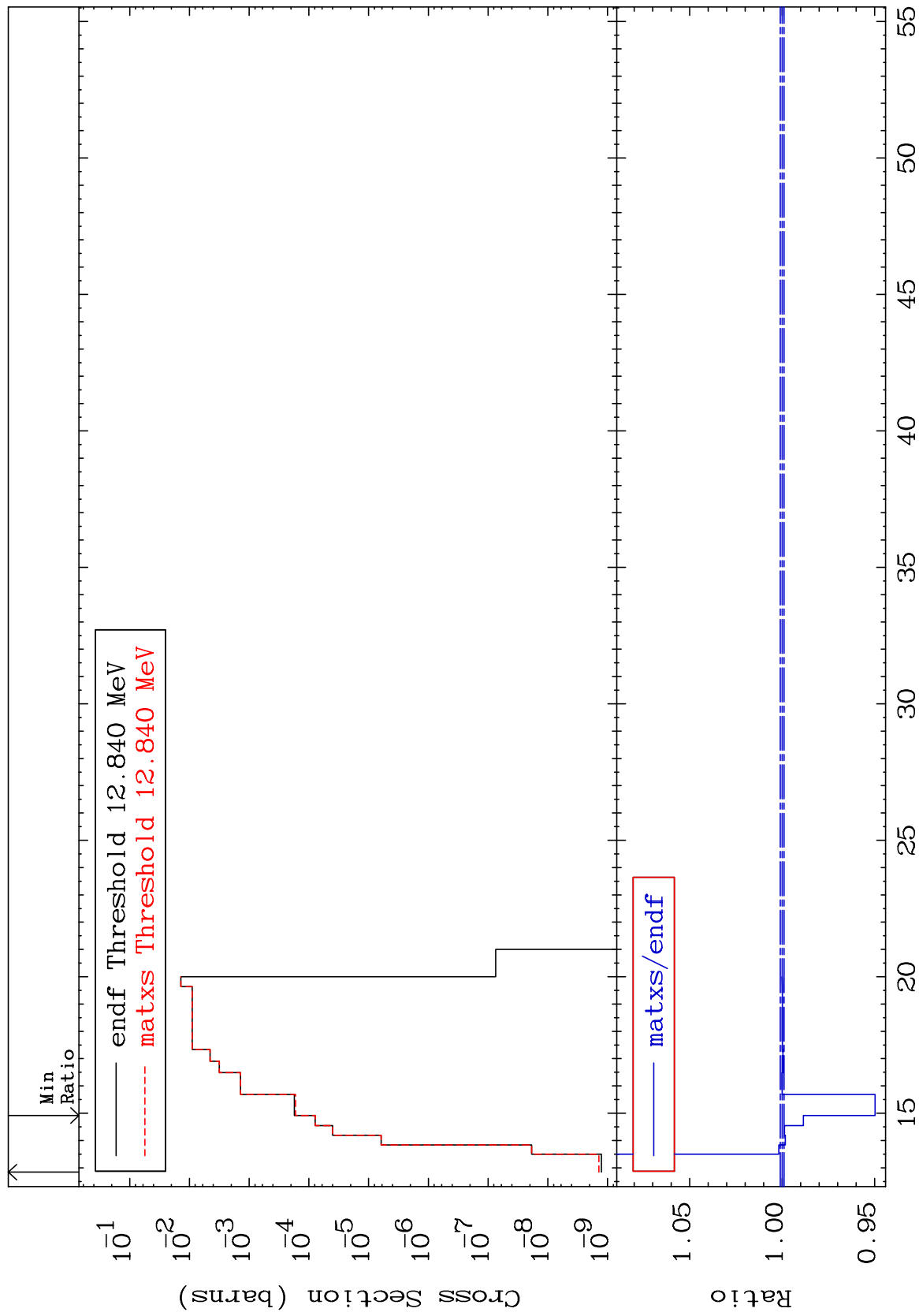
13-A1-27
-2.552 To 9.814 %



MAT 1325

6.878 MeV (n,d') Level
Cross Section

13-A1-27
-5.022 To 9.813 %



90

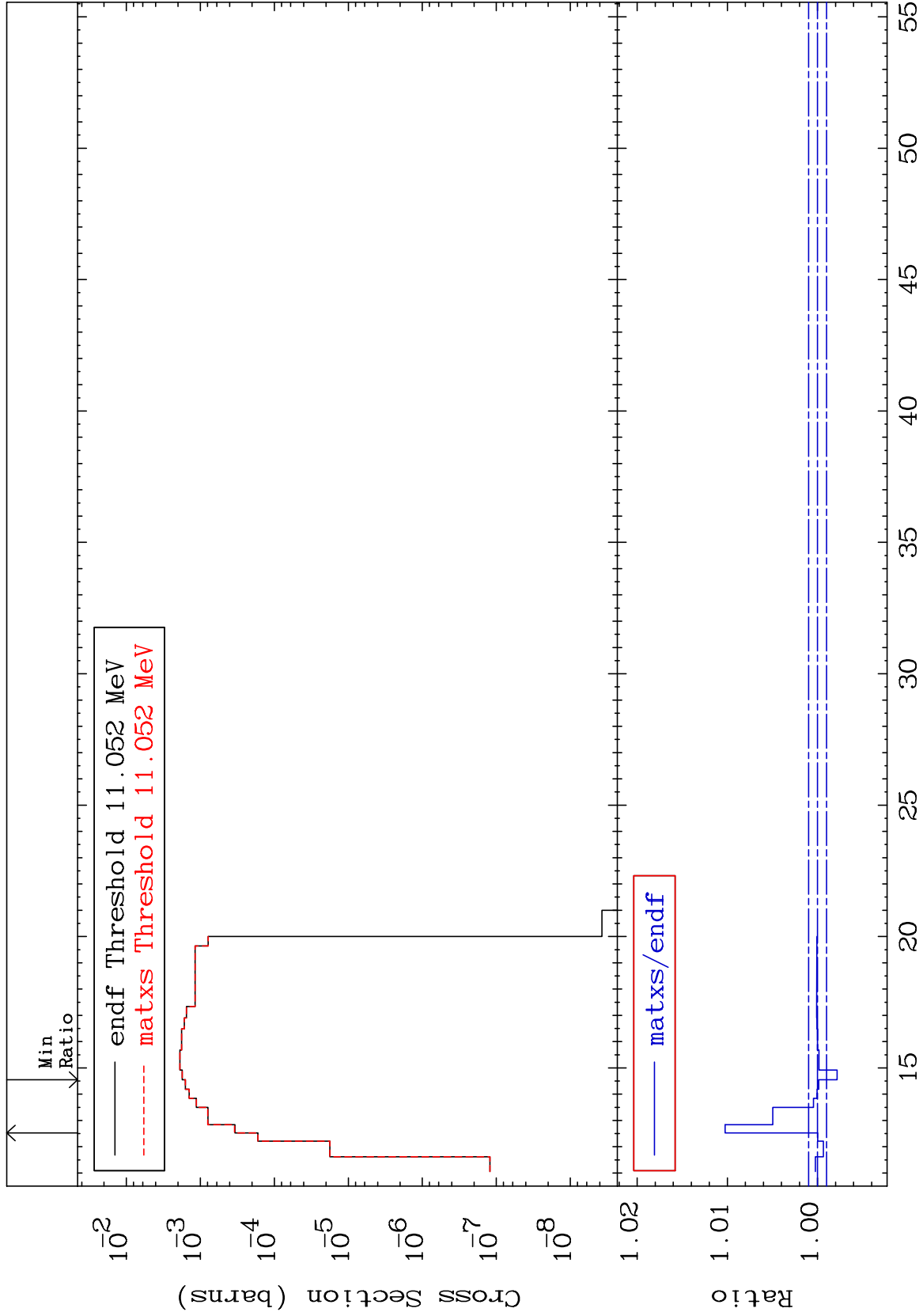
Incident Energy (MeV)

13-A1-27

MAT 1325

(n, t') Ground
Cross Section

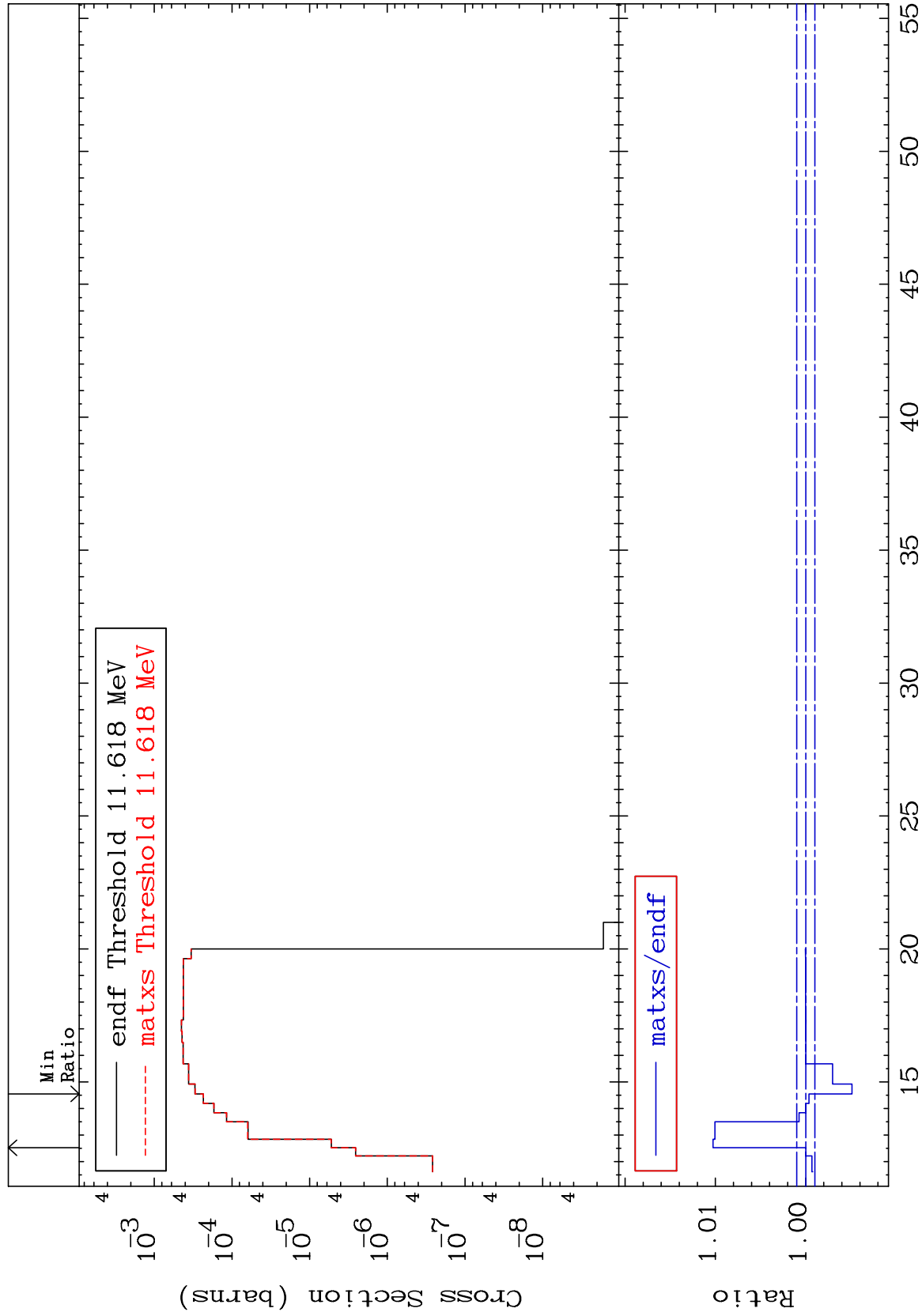
13-A1-27
-0.216 To 1.024 %



MAT 1325

585.1 keV (n,t') Level
Cross Section

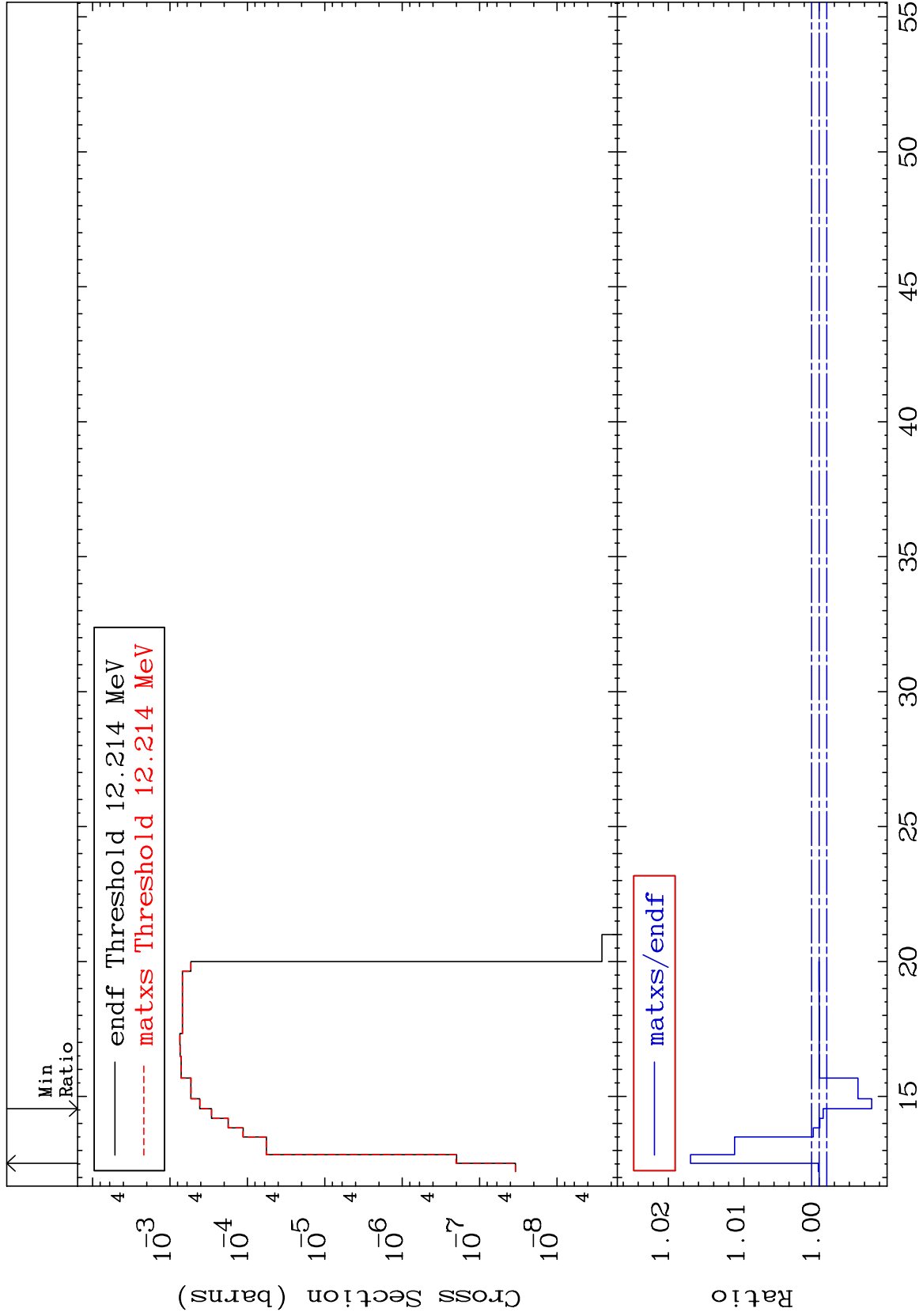
13-A1-27
-0.513 To 1.027 %



MAT 1325

974.8 keV (n,t') Level
Cross Section

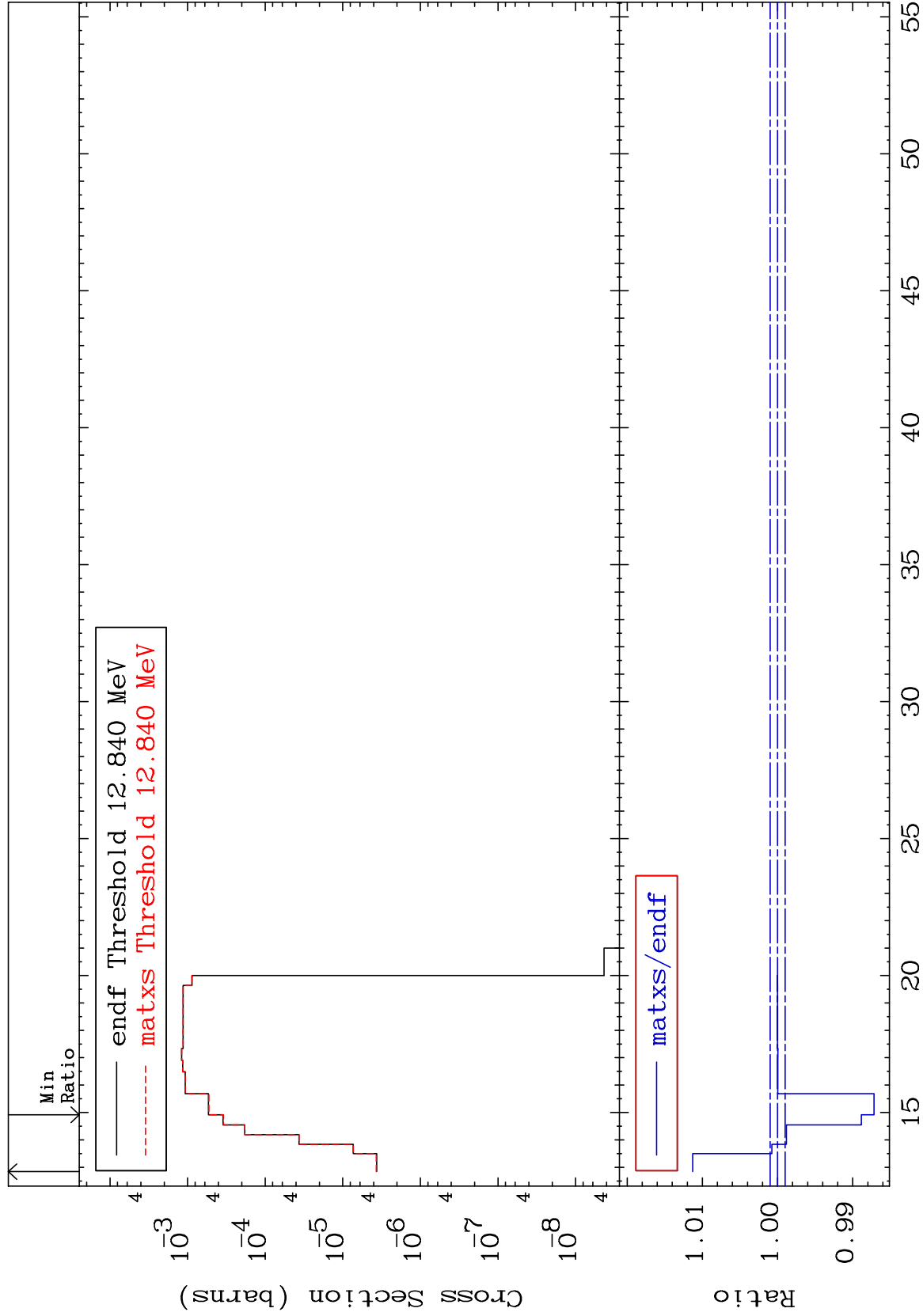
13-A1-27
-0.696 To 1.706 %



MAT 1325

1.612 MeV (n,t') Level
Cross Section

13-A1-27
-1.282 To 1.128 %



94

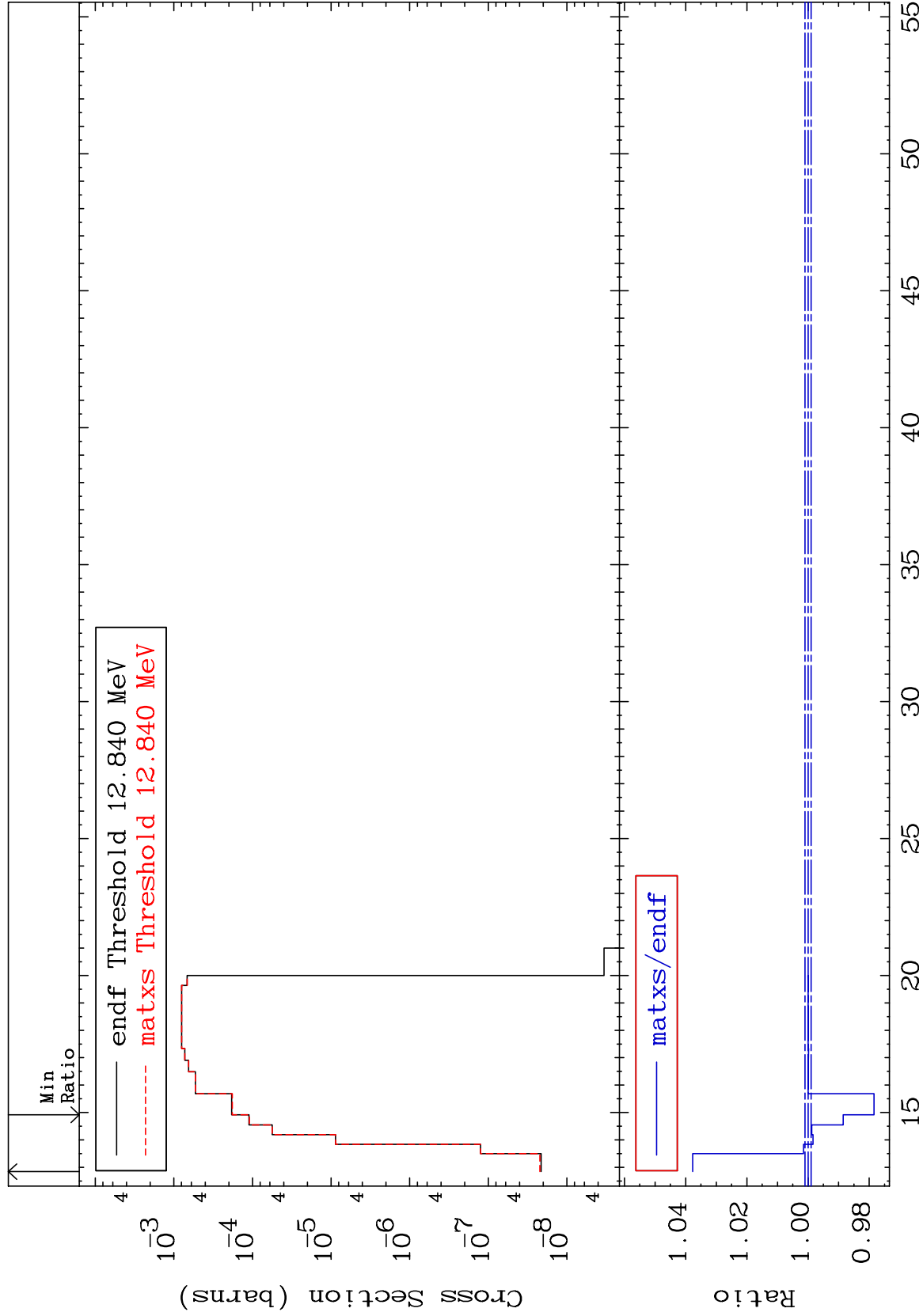
Incident Energy (MeV)

13-A1-27

MAT 1325

1.965 MeV (n,t') Level
Cross Section

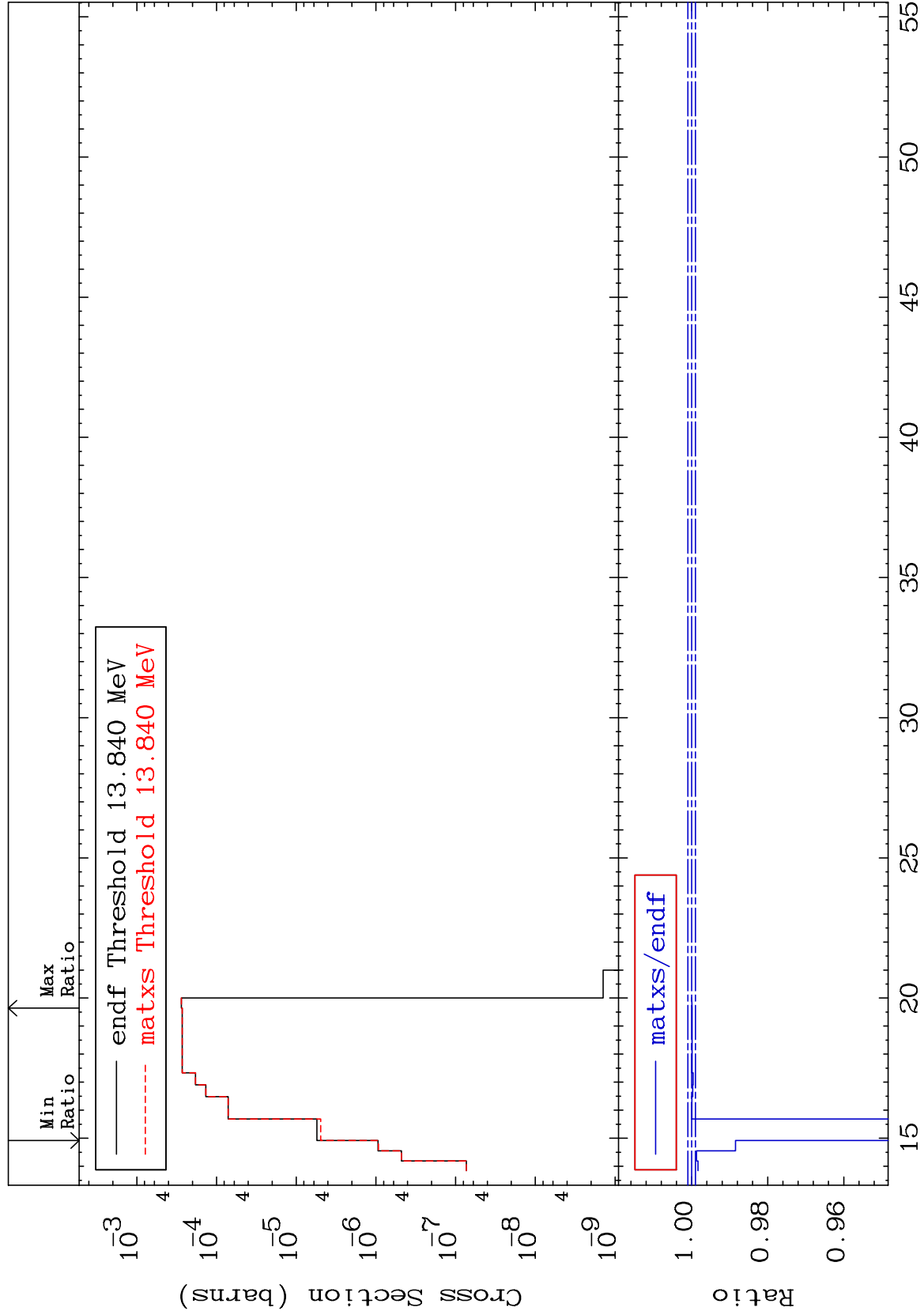
13-A1-27
-2.156 To 3.769 %



MAT 1325

2.564 MeV (n,t') Level
Cross Section

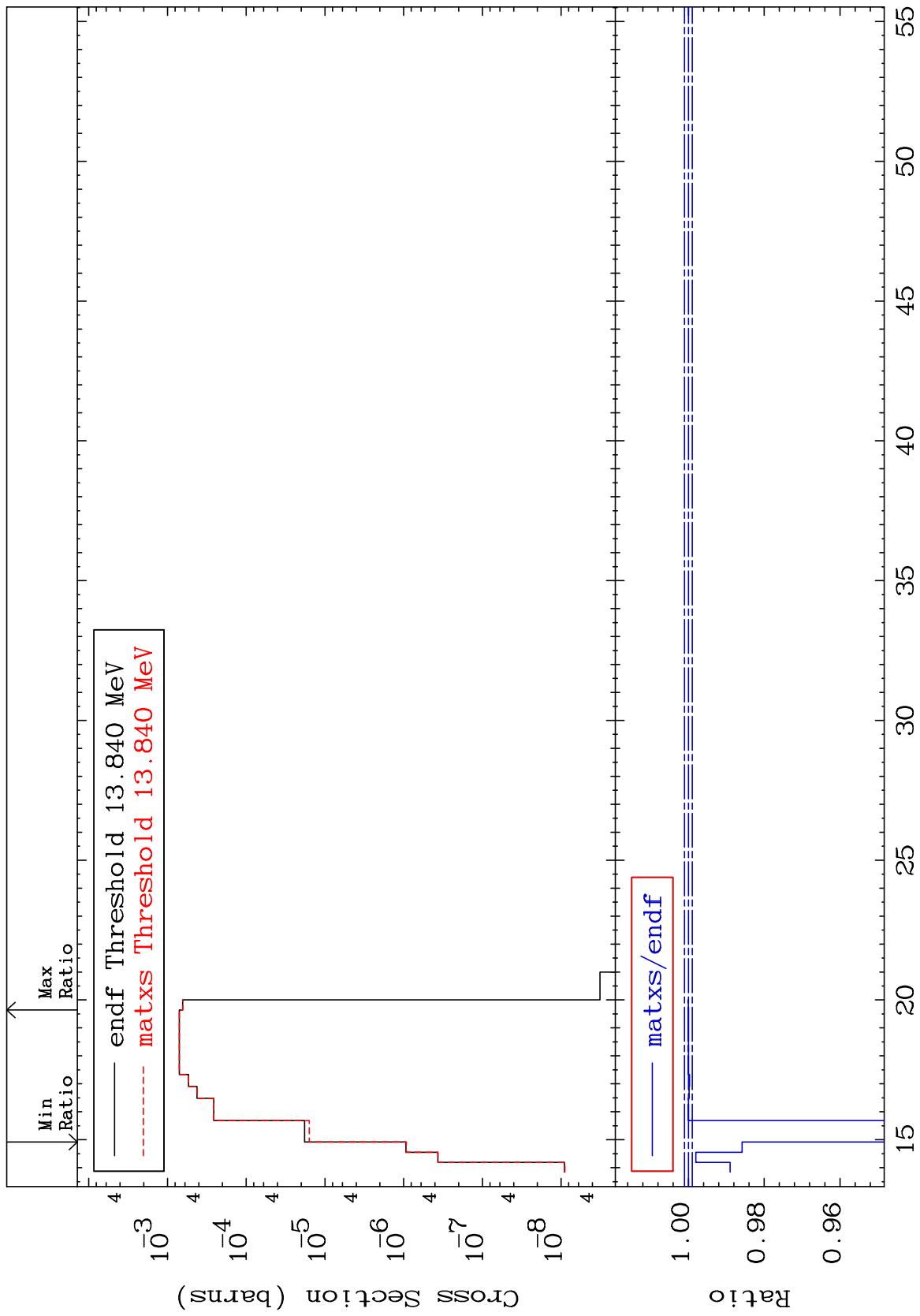
13-A1-27
-10.28 To 0.000 %



MAT 1325

2.738 MeV (n,t') Level
Cross Section

13-A1-27
-12.50 To 0.002 %



97

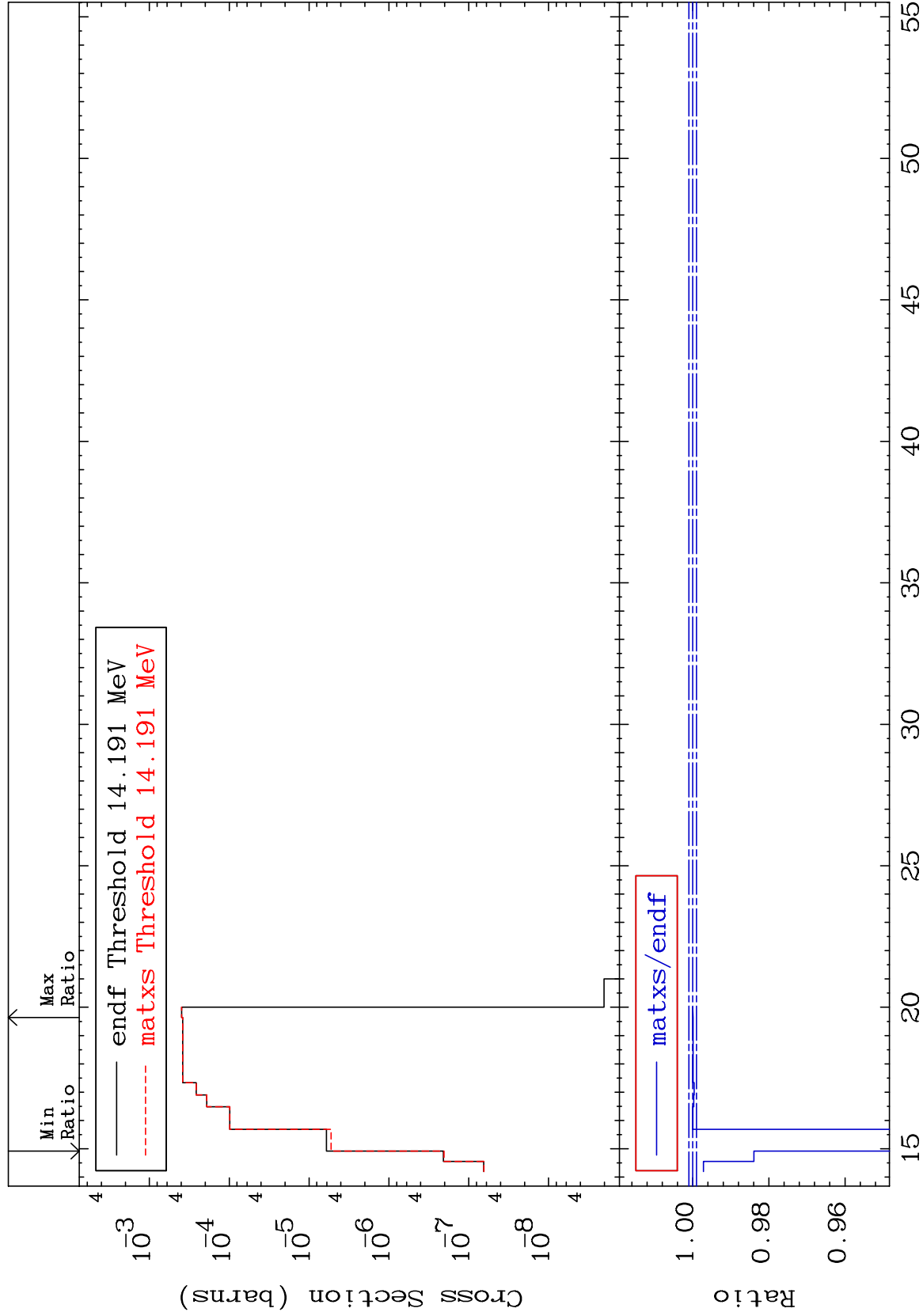
Incident Energy (MeV)

13-A1-27

MAT 1325

2.801 MeV (n,t') Level
Cross Section

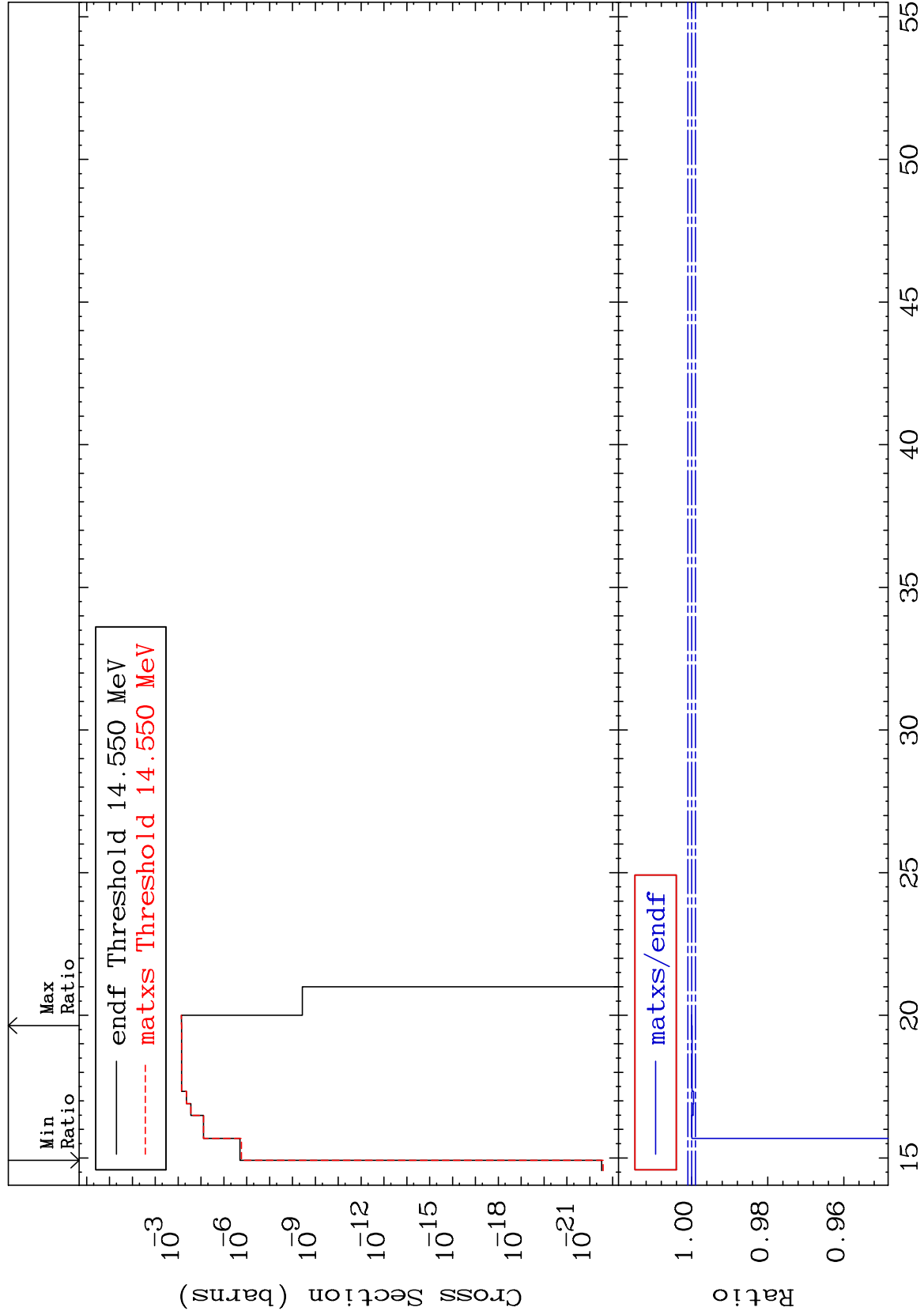
13-A1-27
-12.83 To 0.000 %



MAT 1325

3.405 MeV (n,t') Level
Cross Section

13-A1-27
-13.55 To 0.000 %



99

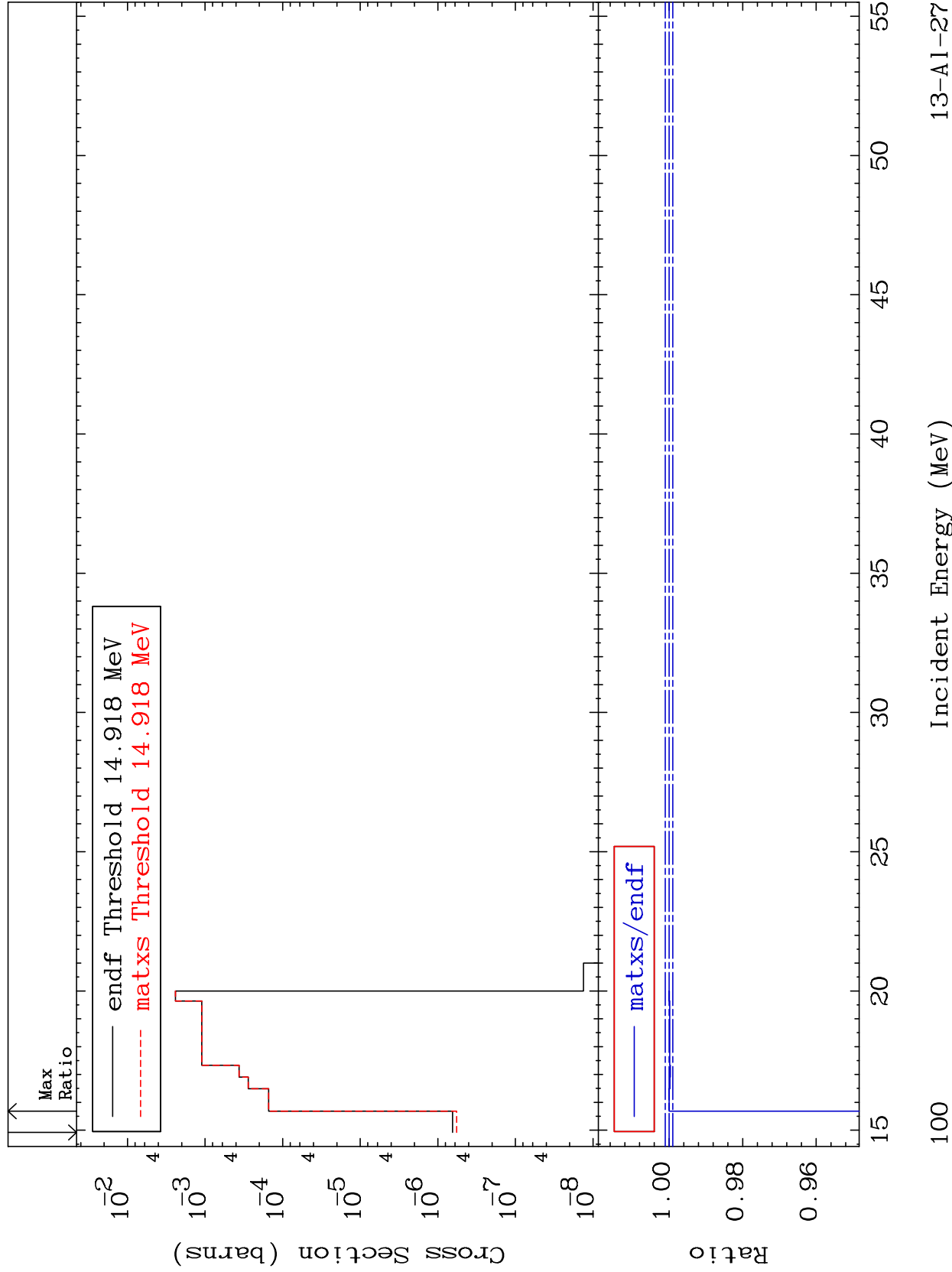
Incident Energy (MeV)

13-A1-27

MAT 1325

3.908 MeV (n,t') Level
Cross Section

13-A1-27
-11.04 To -0.004%



100

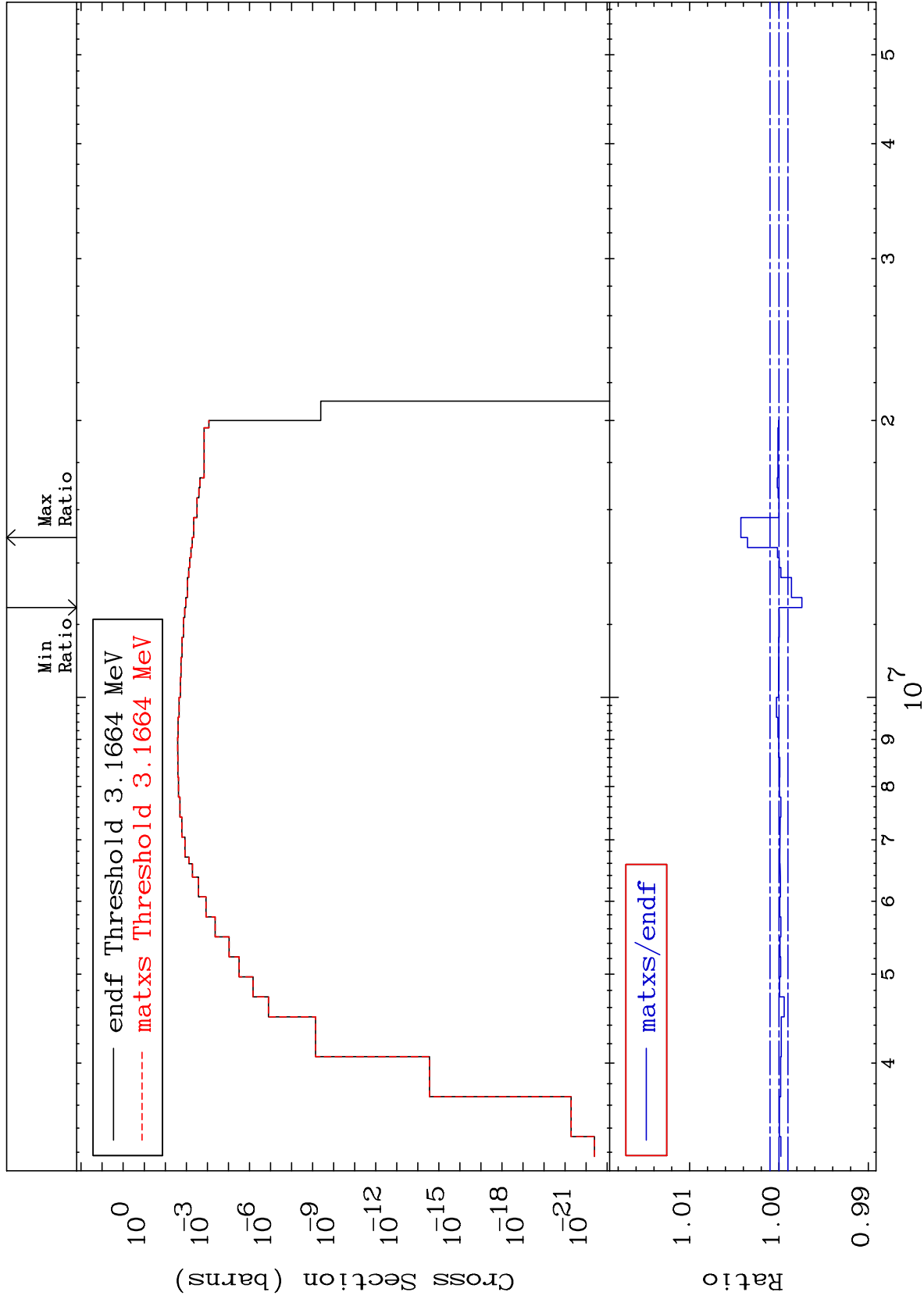
Incident Energy (MeV)

13-A1-27

MAT 1325

(n, α') Ground
Cross Section

13-A1-27
-0.256 To 0.427 %



101

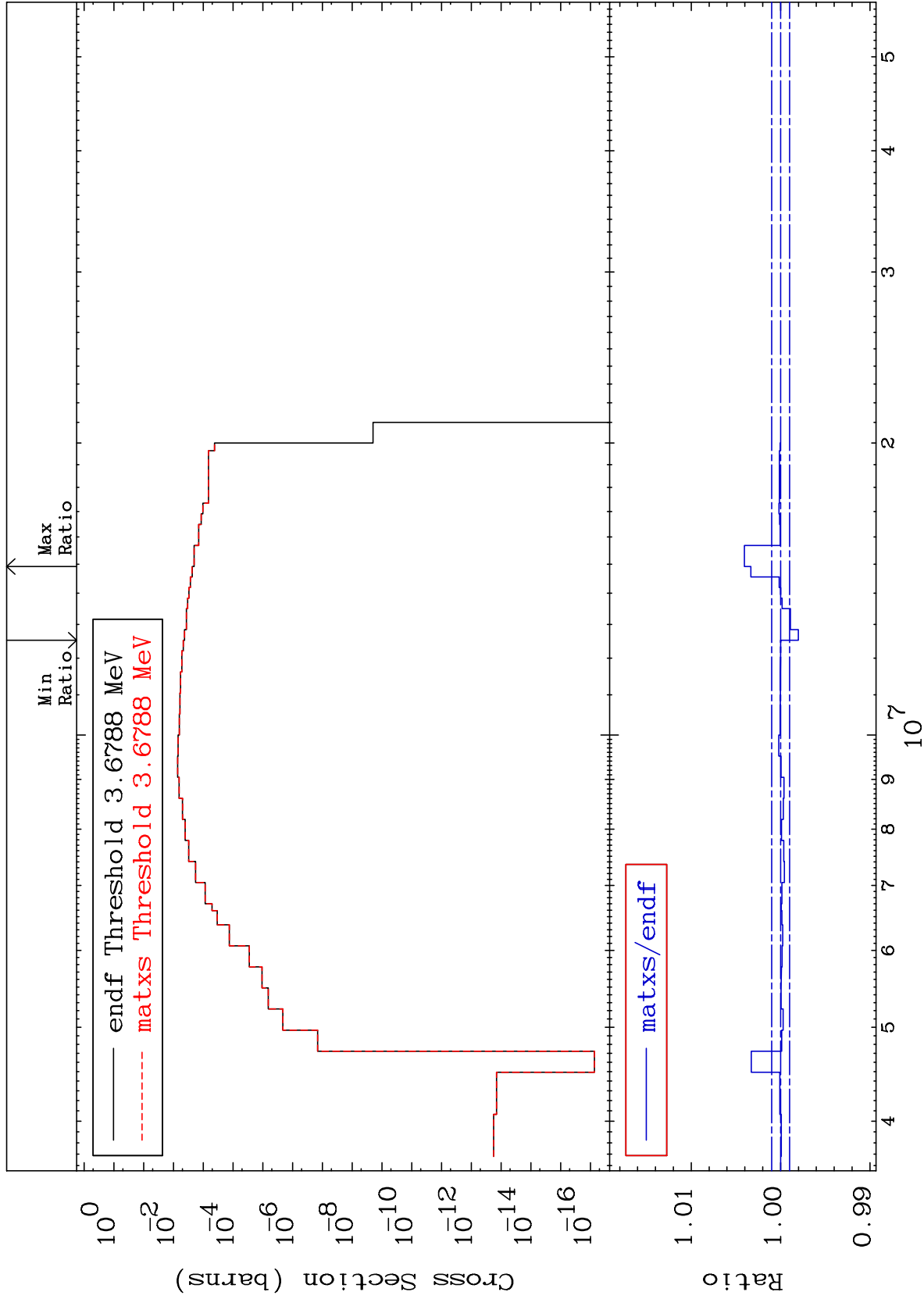
Incident Energy (eV)

13-A1-27

MAT 1325

472.3 keV (n, α') Level
Cross Section

13-A1-27
-0.199 To 0.405 %



102

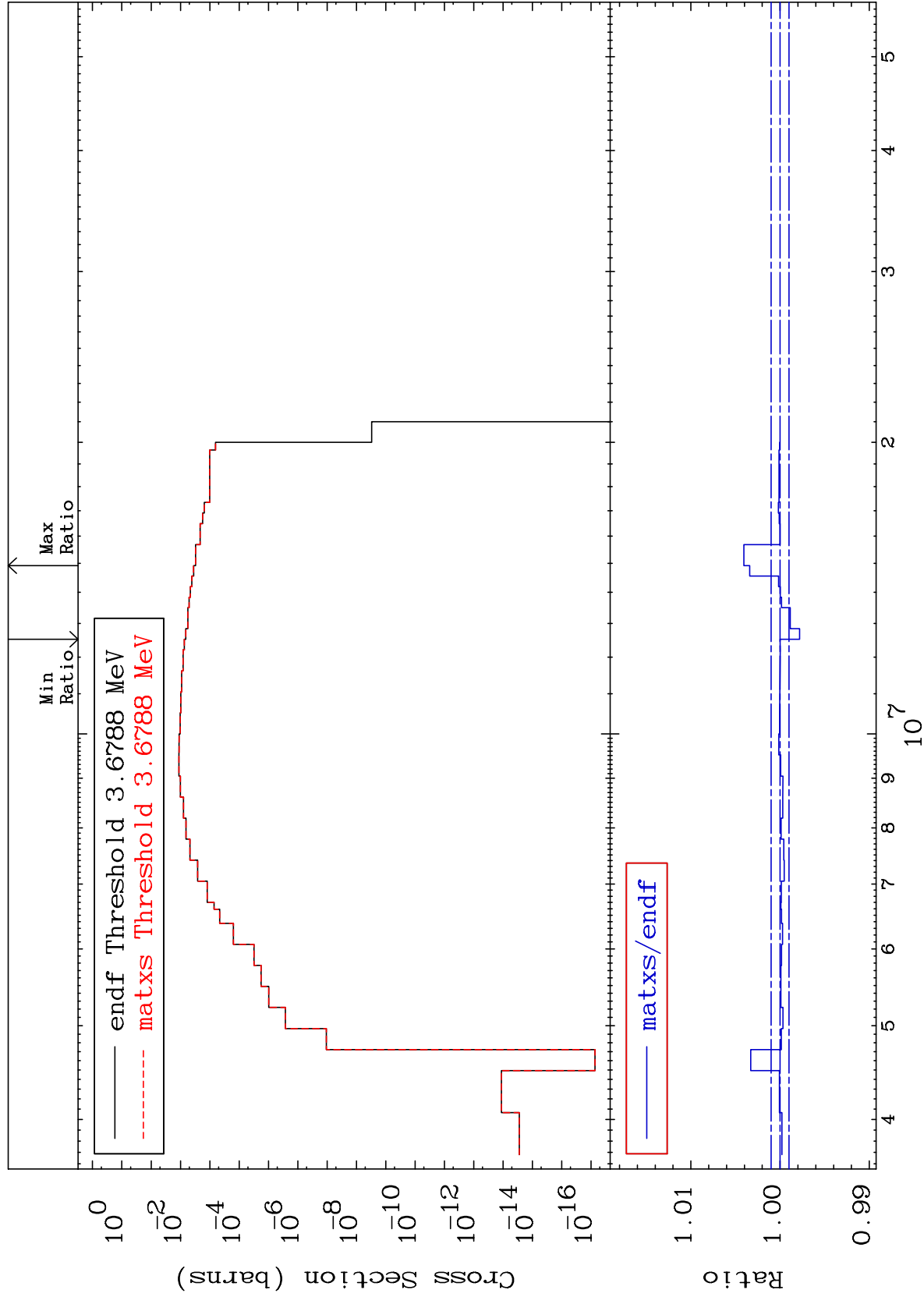
Incident Energy (eV)

13-A1-27

MAT 1325

563.3 keV (n, α') Level
Cross Section

13-A1-27
-0.218 To 0.407 %



103

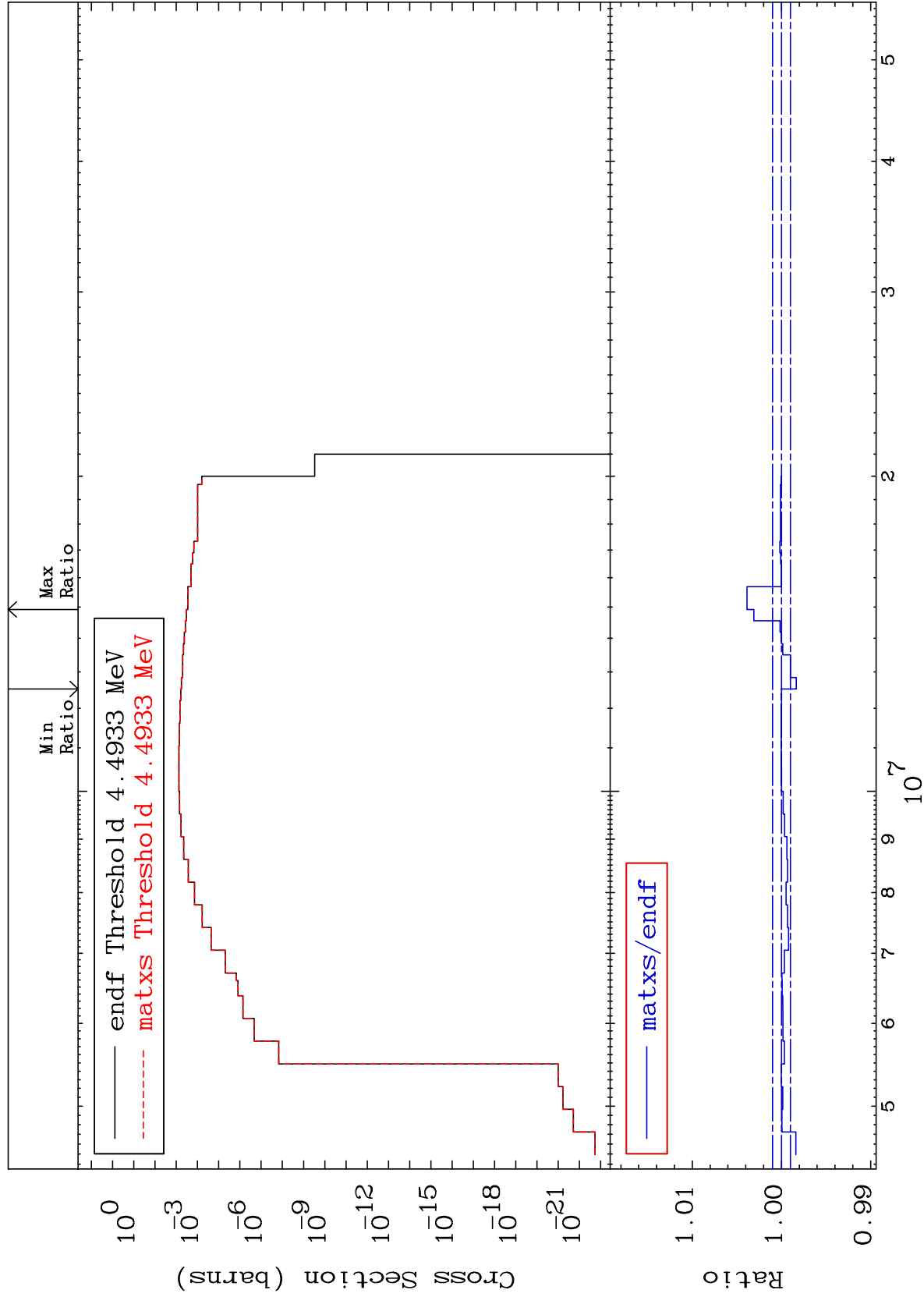
Incident Energy (eV)

13-A1-27

MAT 1325

1.341 MeV (n, α') Level
Cross Section

13-A1-27
-0.167 To 0.387 %



104

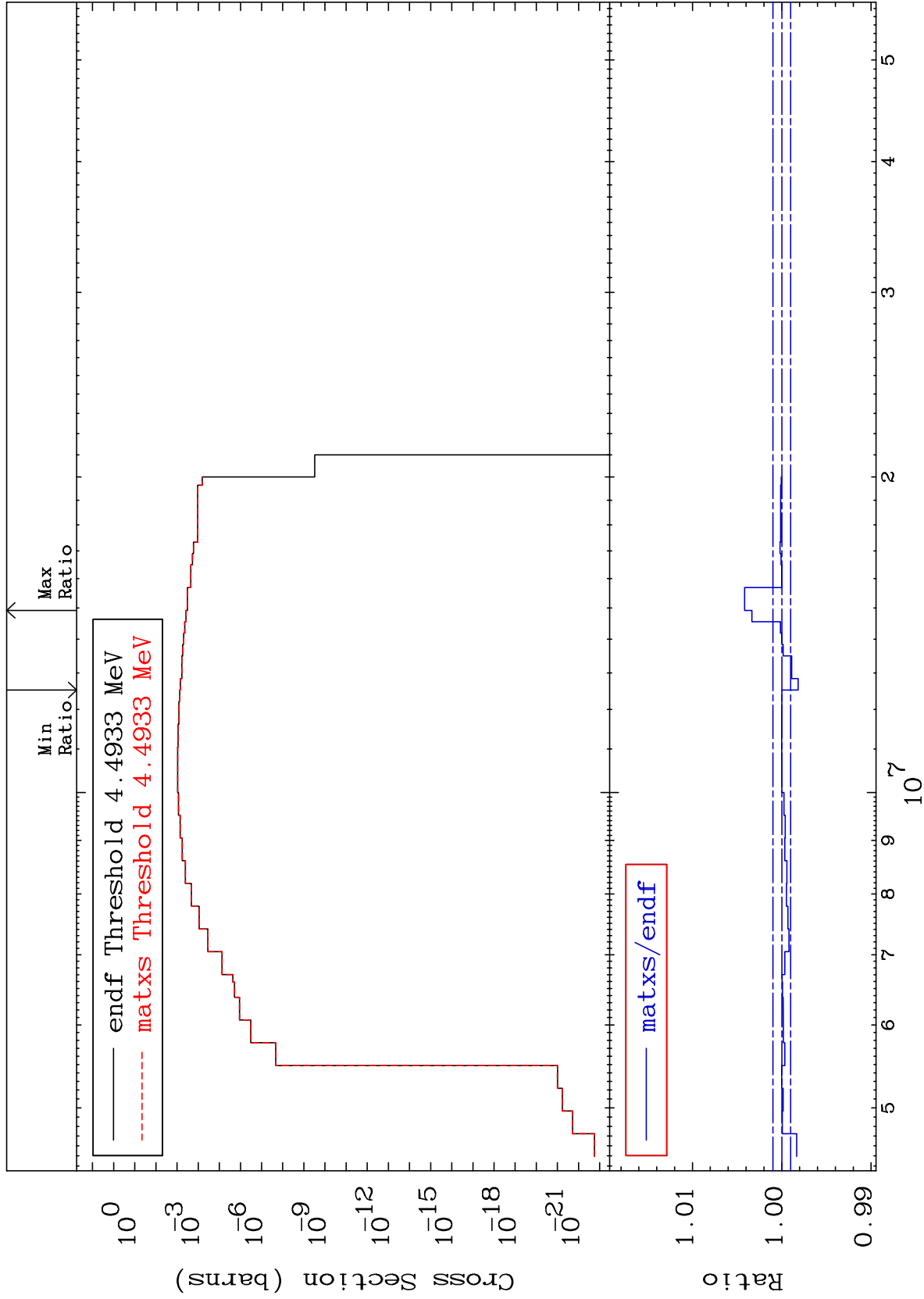
Incident Energy (eV)

13-A1-27

MAT 1325

1.345 MeV (n, α') Level
Cross Section

13-A1-27
-0.184 To 0.417 %



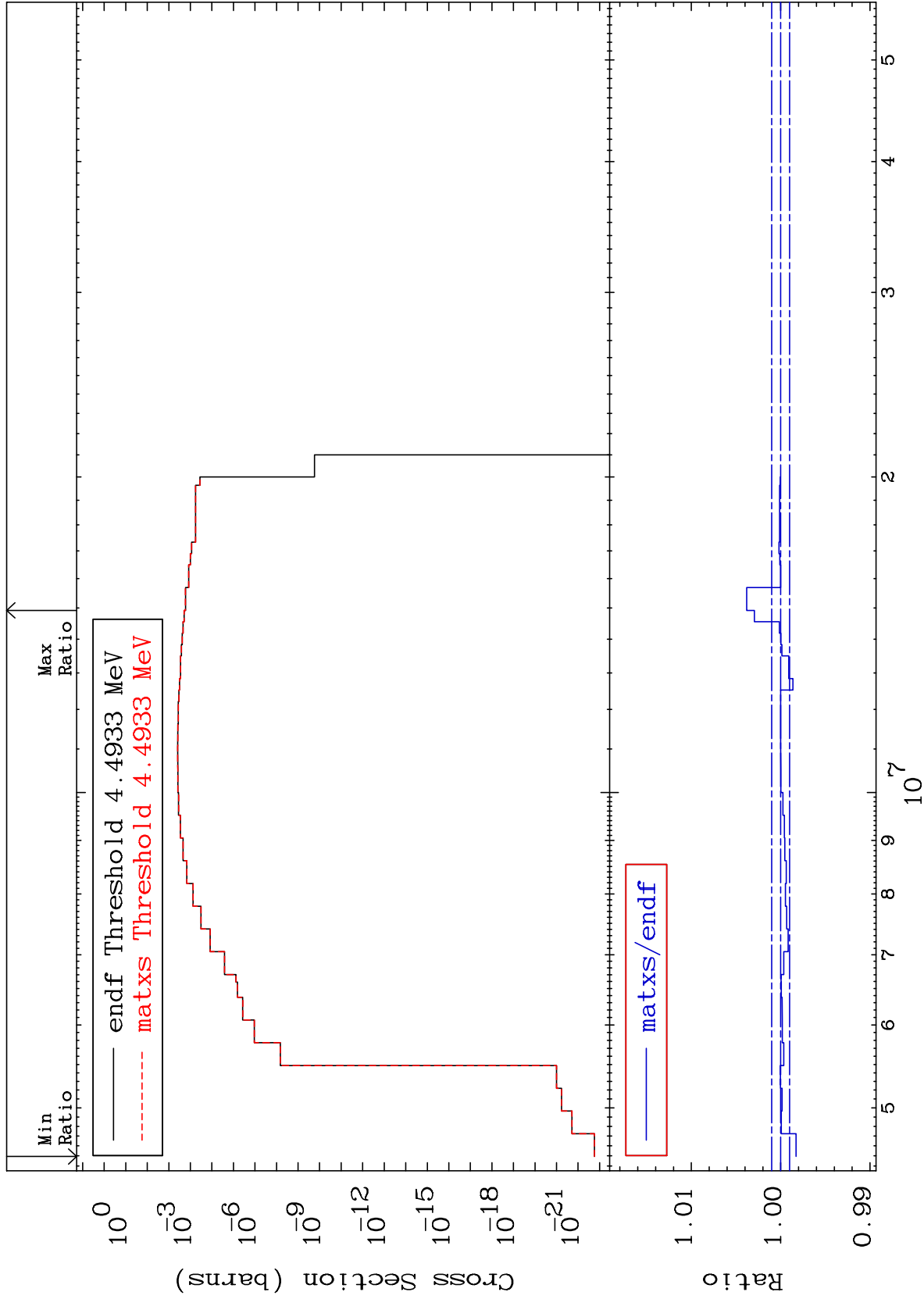
105

13-A1-27

MAT 1325

1.347 MeV (n, α') Level
Cross Section

13-A1-27
-0.172 To 0.381 %



106

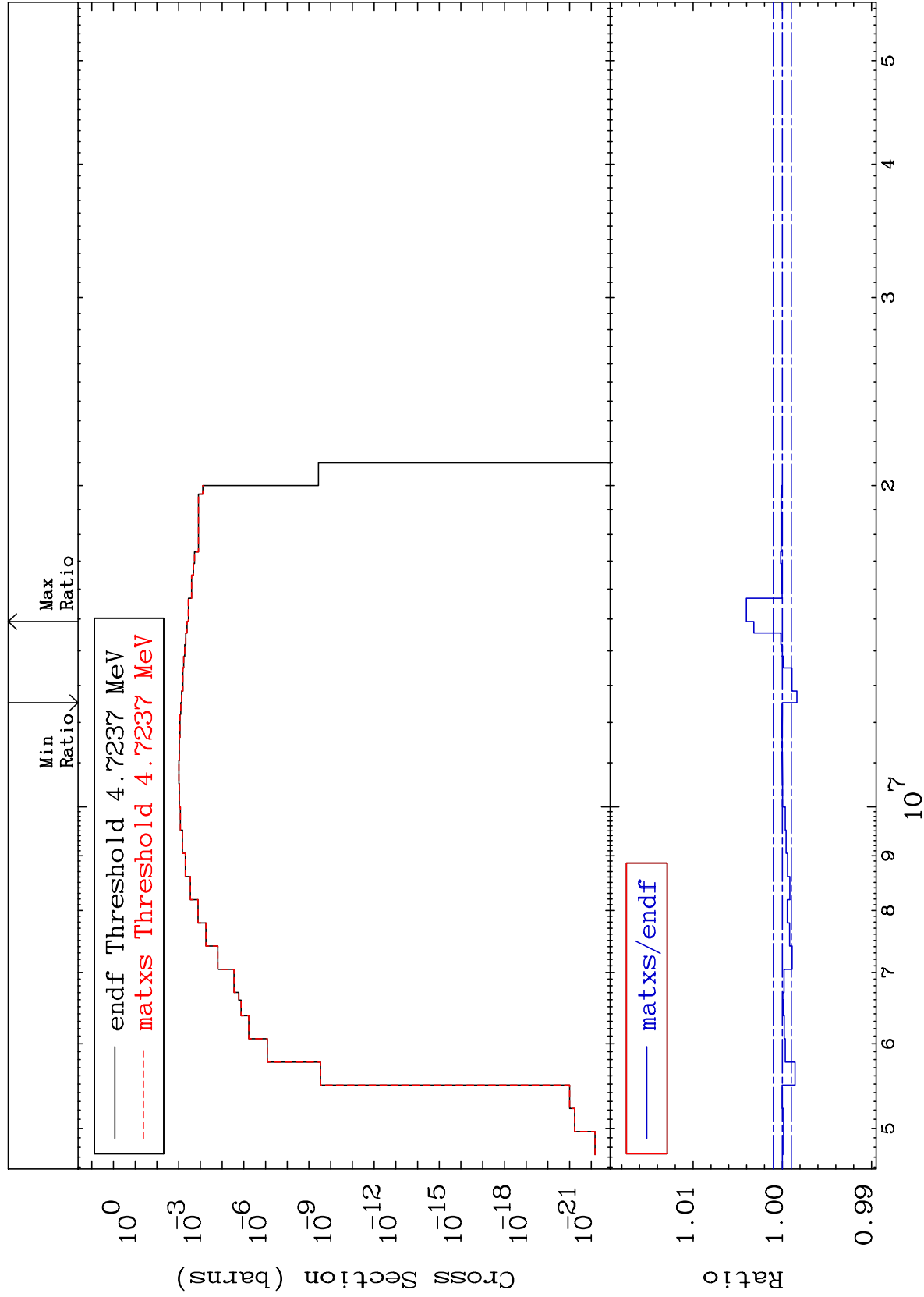
Incident Energy (eV)

13-A1-27

MAT 1325

1.513 MeV (n, α') Level
Cross Section

13-A1-27
-0.165 To 0.403 %



107

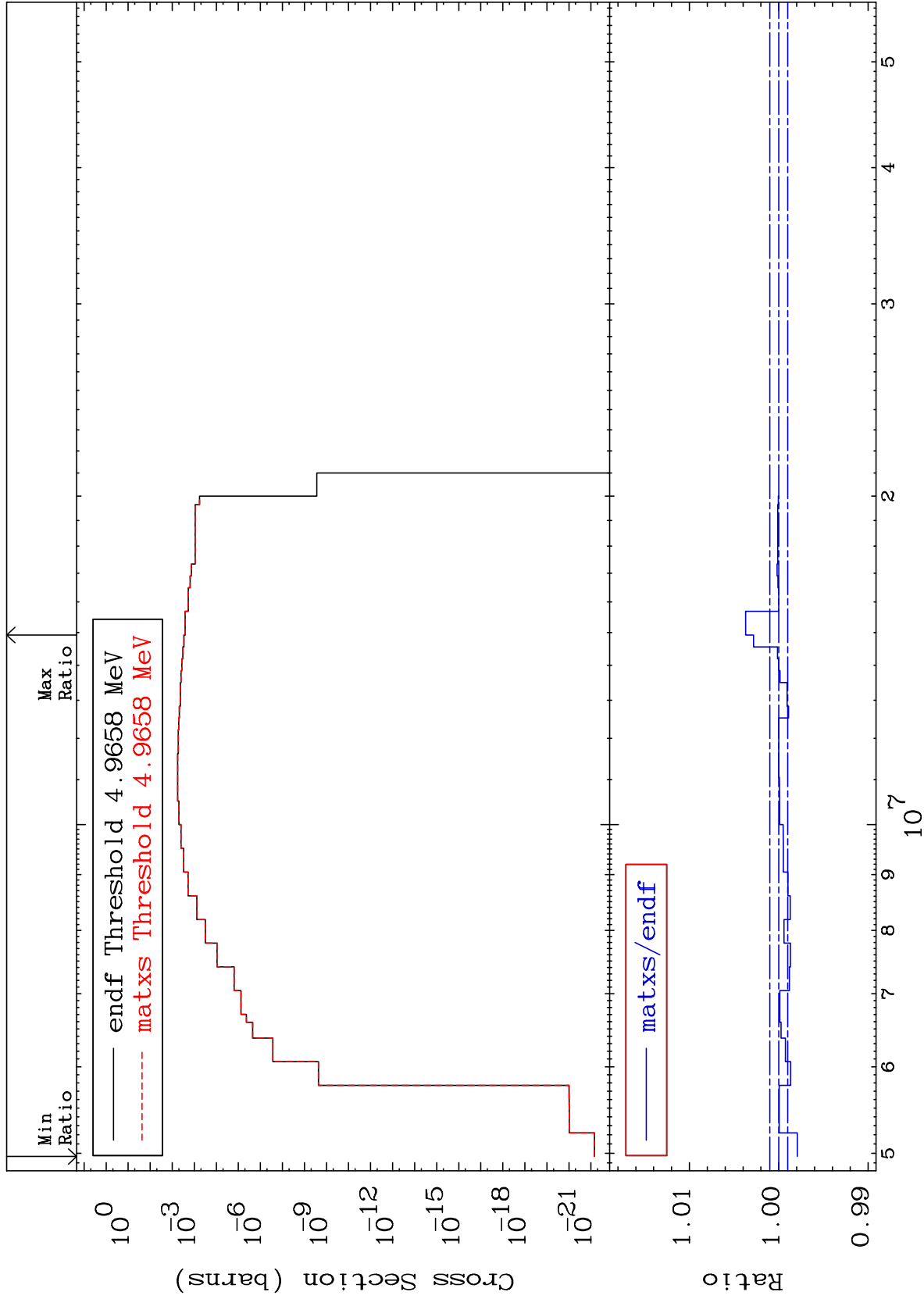
Incident Energy (eV)

13-A1-27

MAT 1325

1.846 MeV (n,α') Level
Cross Section

13-A1-27
-0.206 To 0.372 %



108

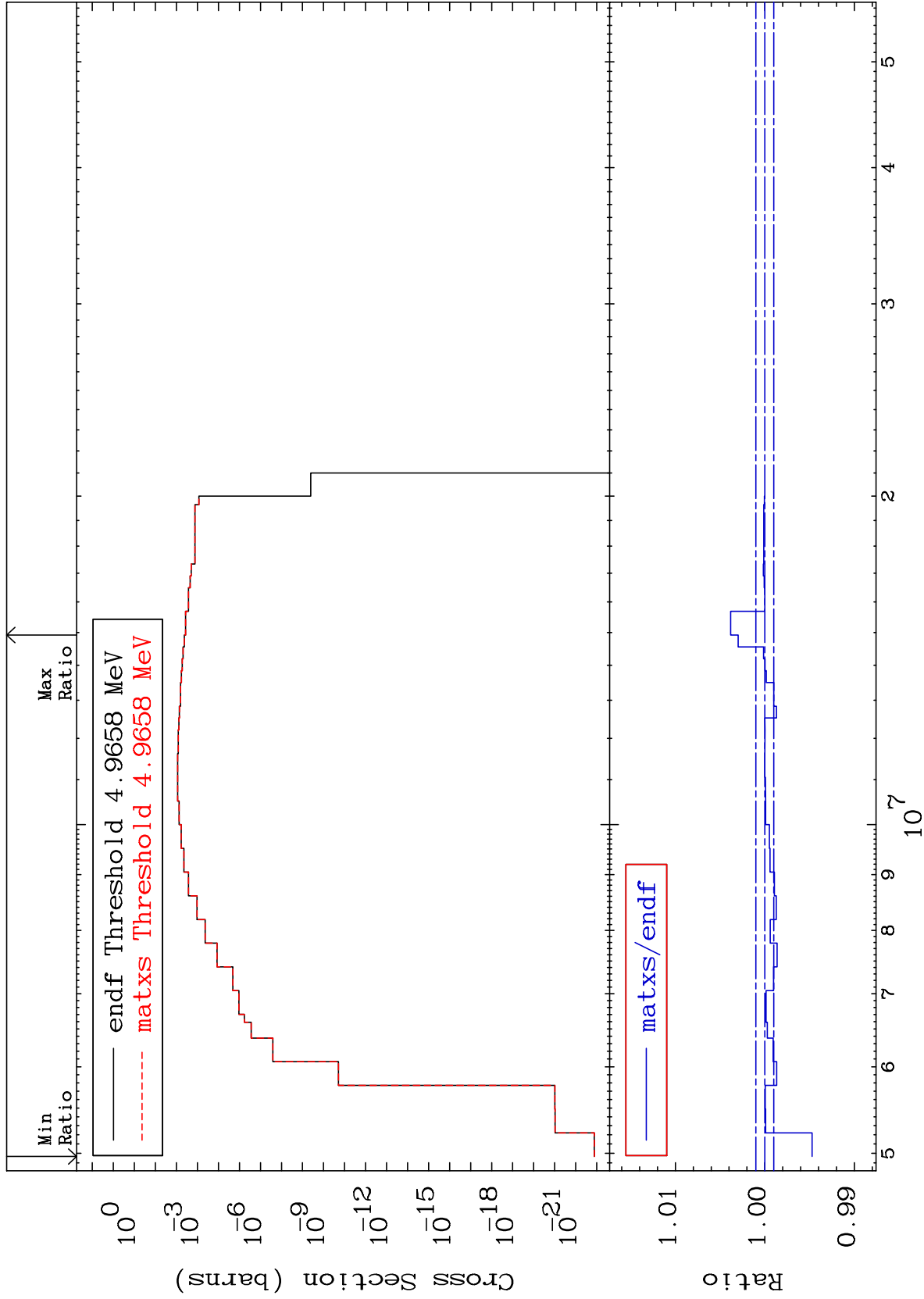
Incident Energy (eV)

13-A1-27

MAT 1325

1.885 MeV (n,α') Level
Cross Section

13-A1-27
-0.529 To 0.383 %



109

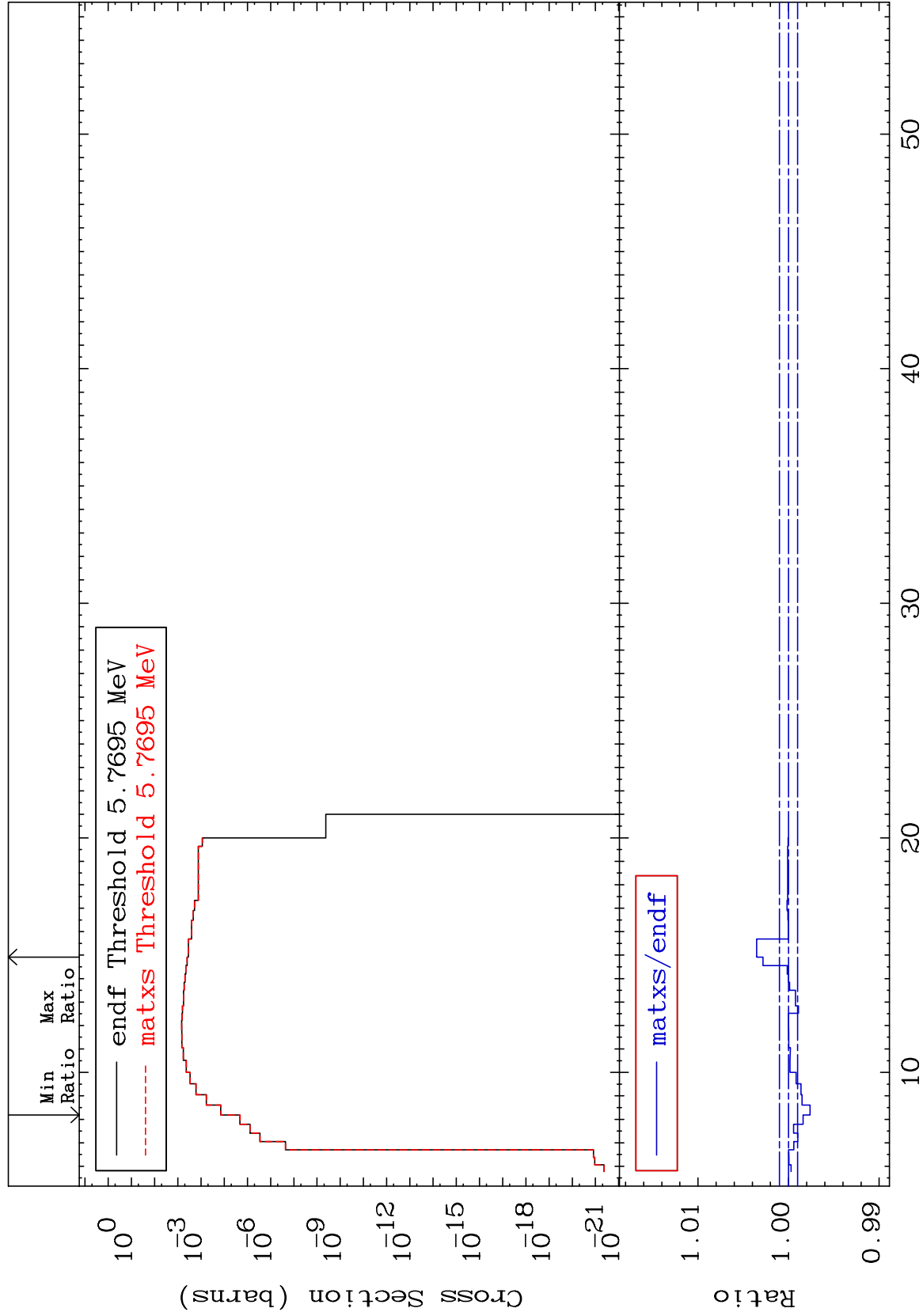
Incident Energy (eV)

13-A1-27

MAT 1325

2.513 MeV (n, α') Level
Cross Section

13-A1-27
-0.237 To 0.352 %



110

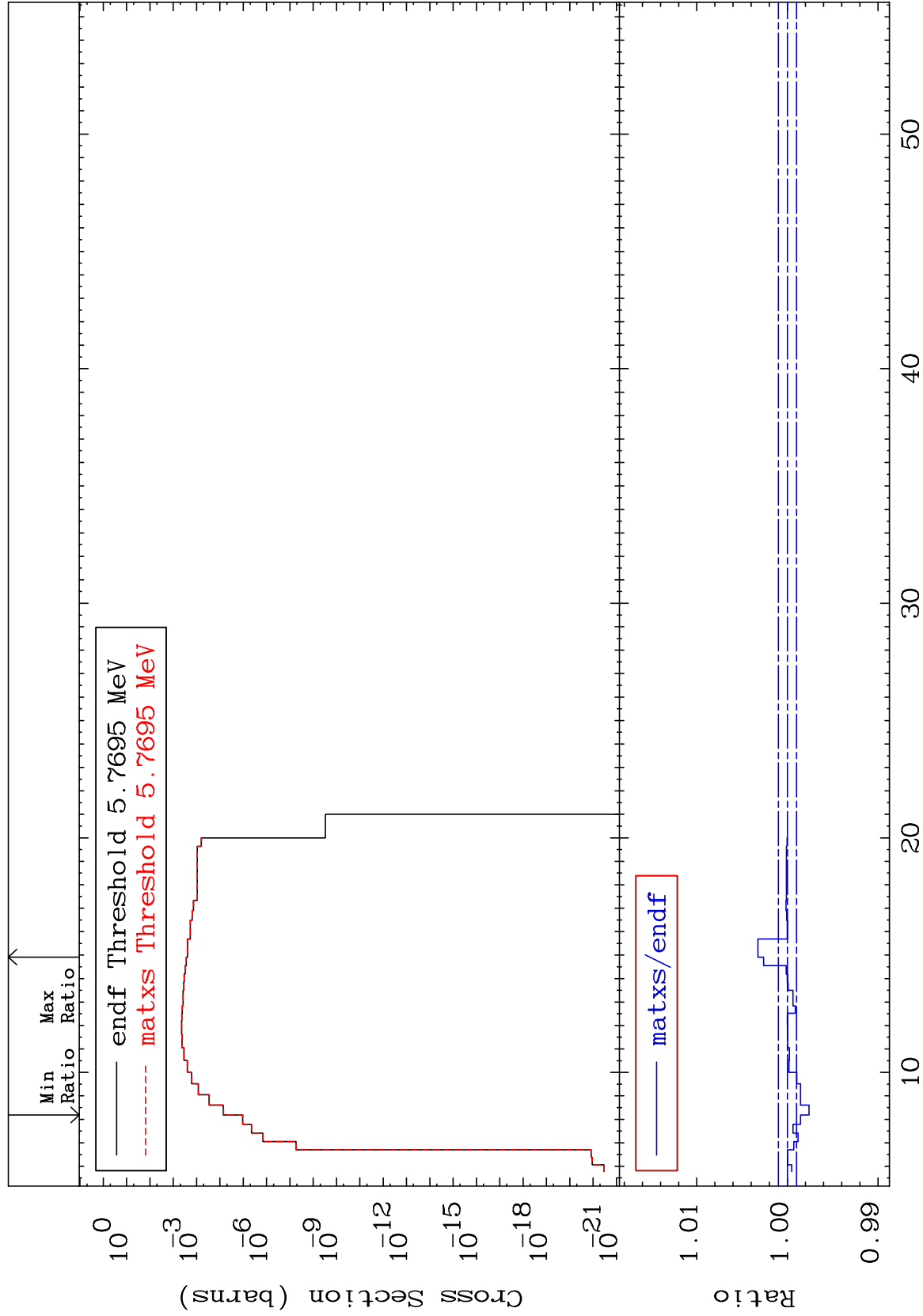
Incident Energy (MeV)

13-A1-27

MAT 1325

2.563 MeV (n, α') Level
Cross Section

13-A1-27
-0.237 To 0.326 %



111

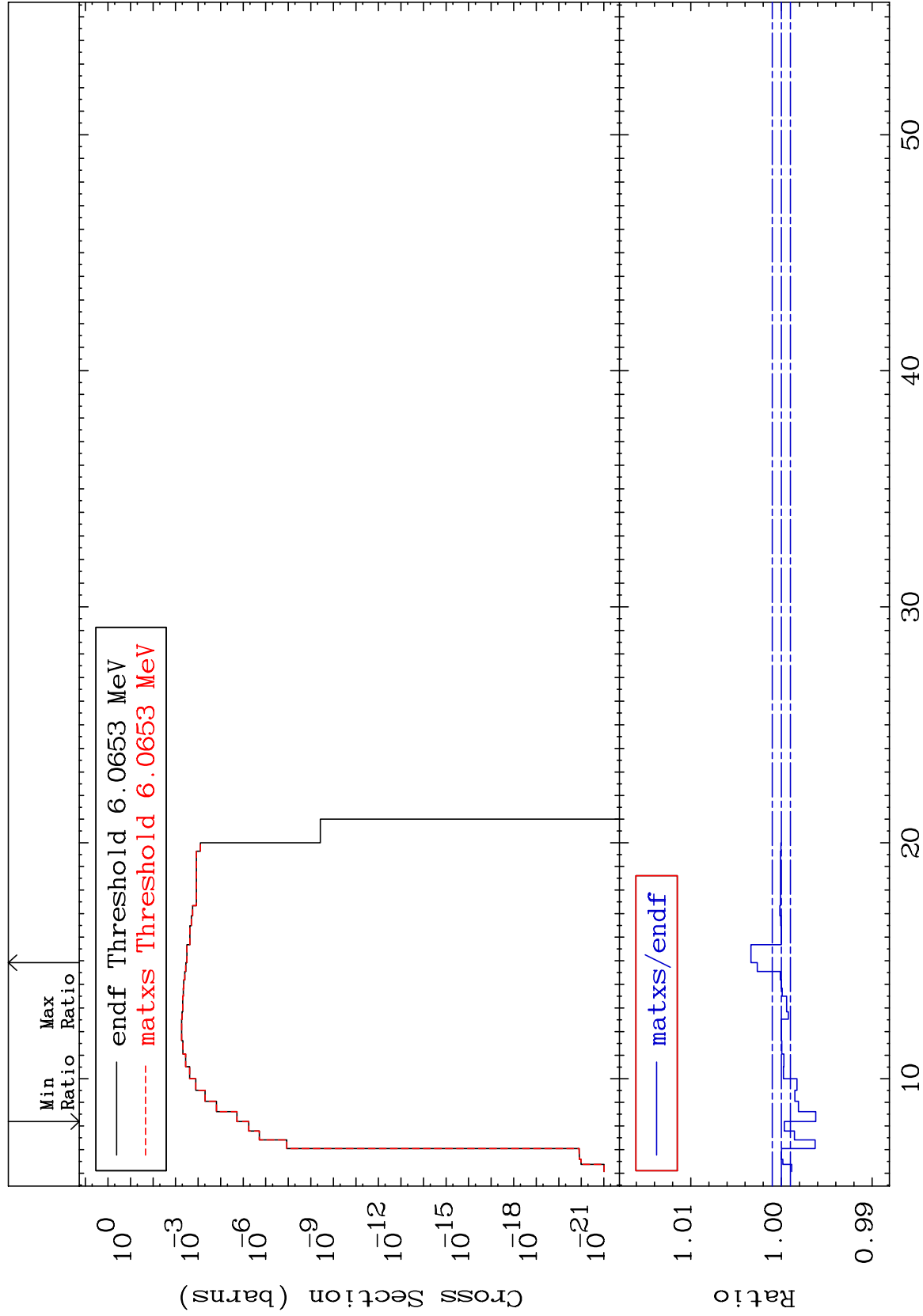
Incident Energy (MeV)

13-A1-27

MAT 1325

2.904 MeV (n, α') Level
Cross Section

13-A1-27
-0.378 To 0.335 %



112

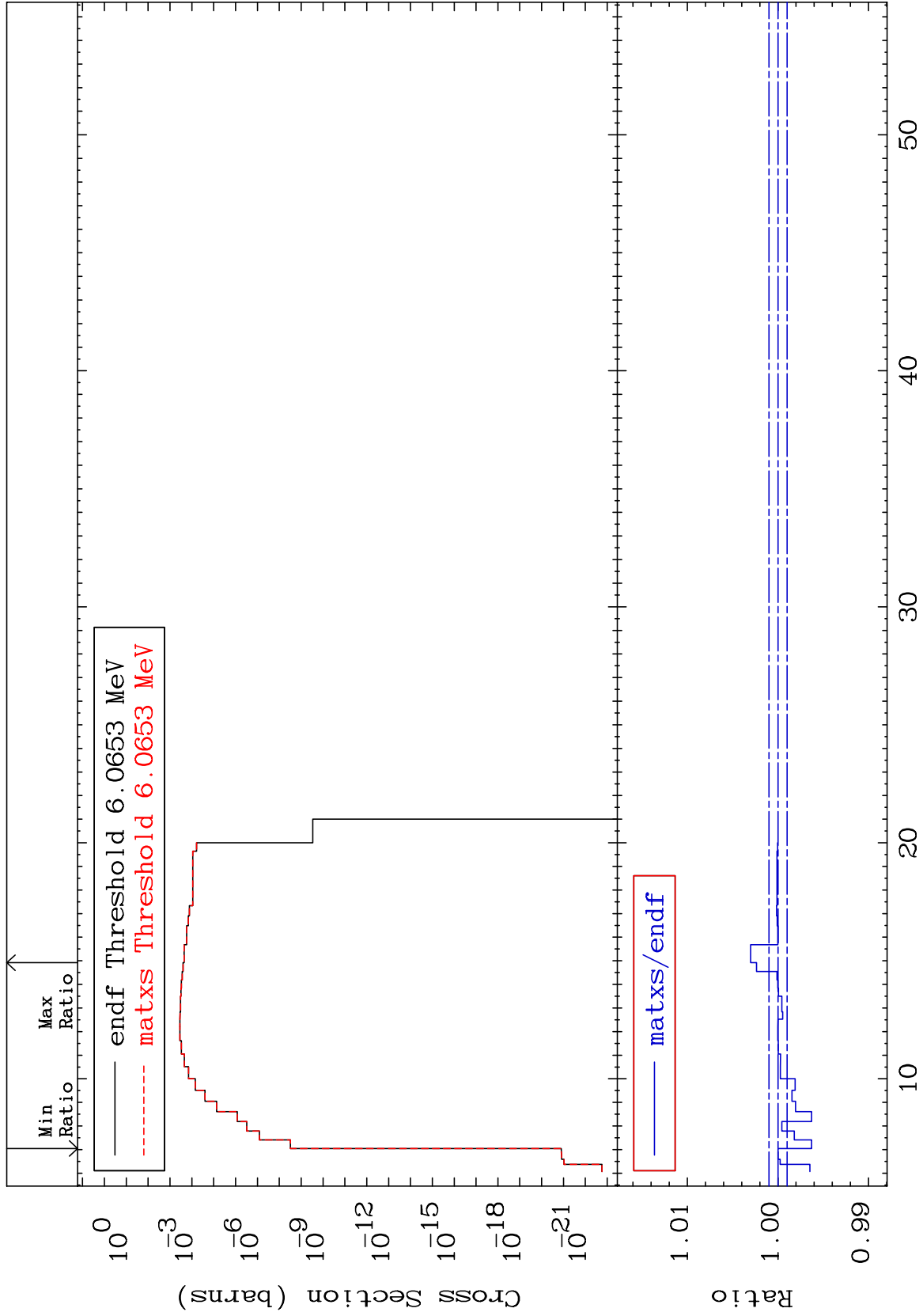
Incident Energy (MeV)

13-A1-27

MAT 1325

2.978 MeV (n, α') Level
Cross Section

13-A1-27
-0.372 To 0.302 %



113

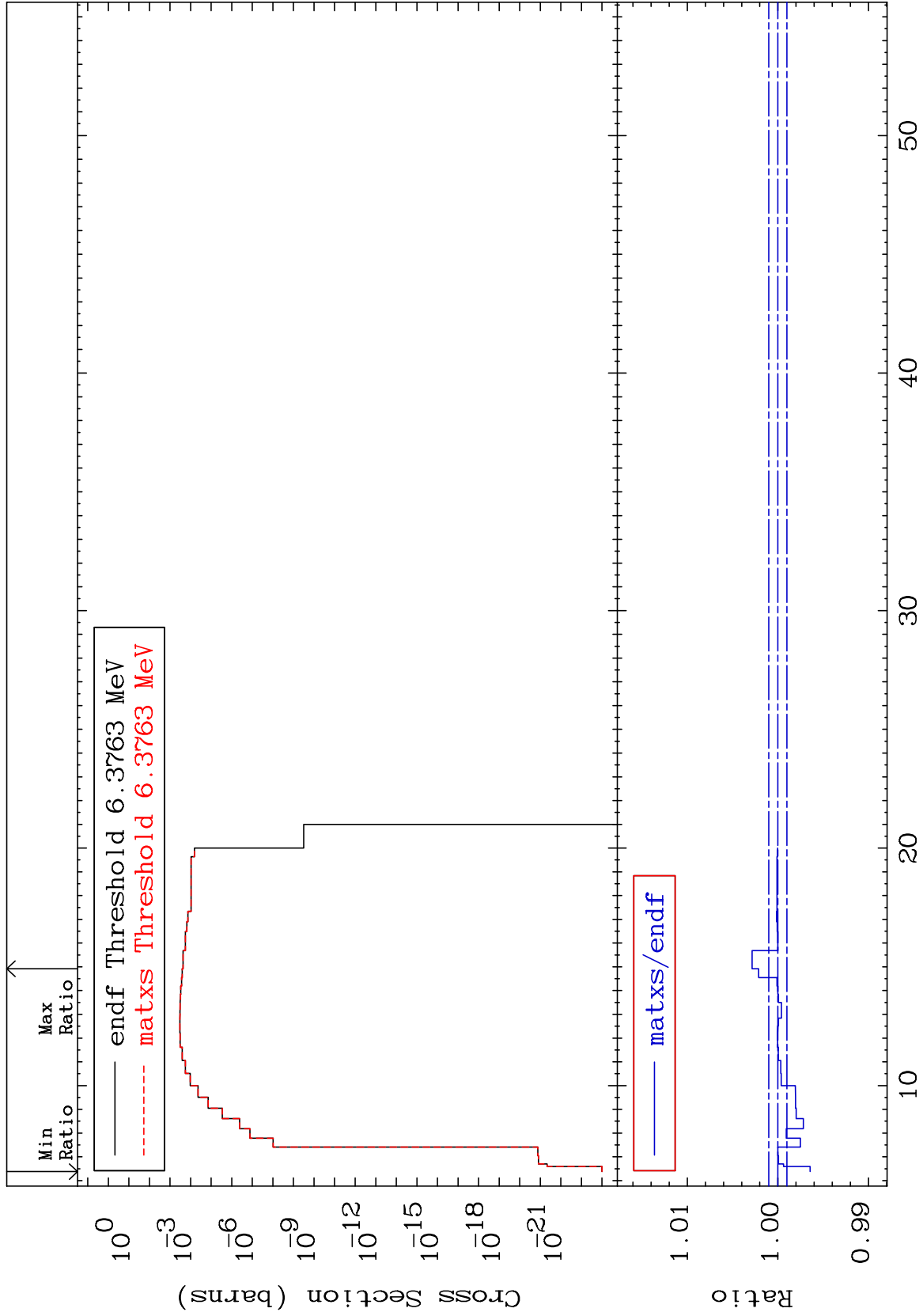
Incident Energy (MeV)

13-A1-27

MAT 1325

3.217 MeV (n, α') Level
Cross Section

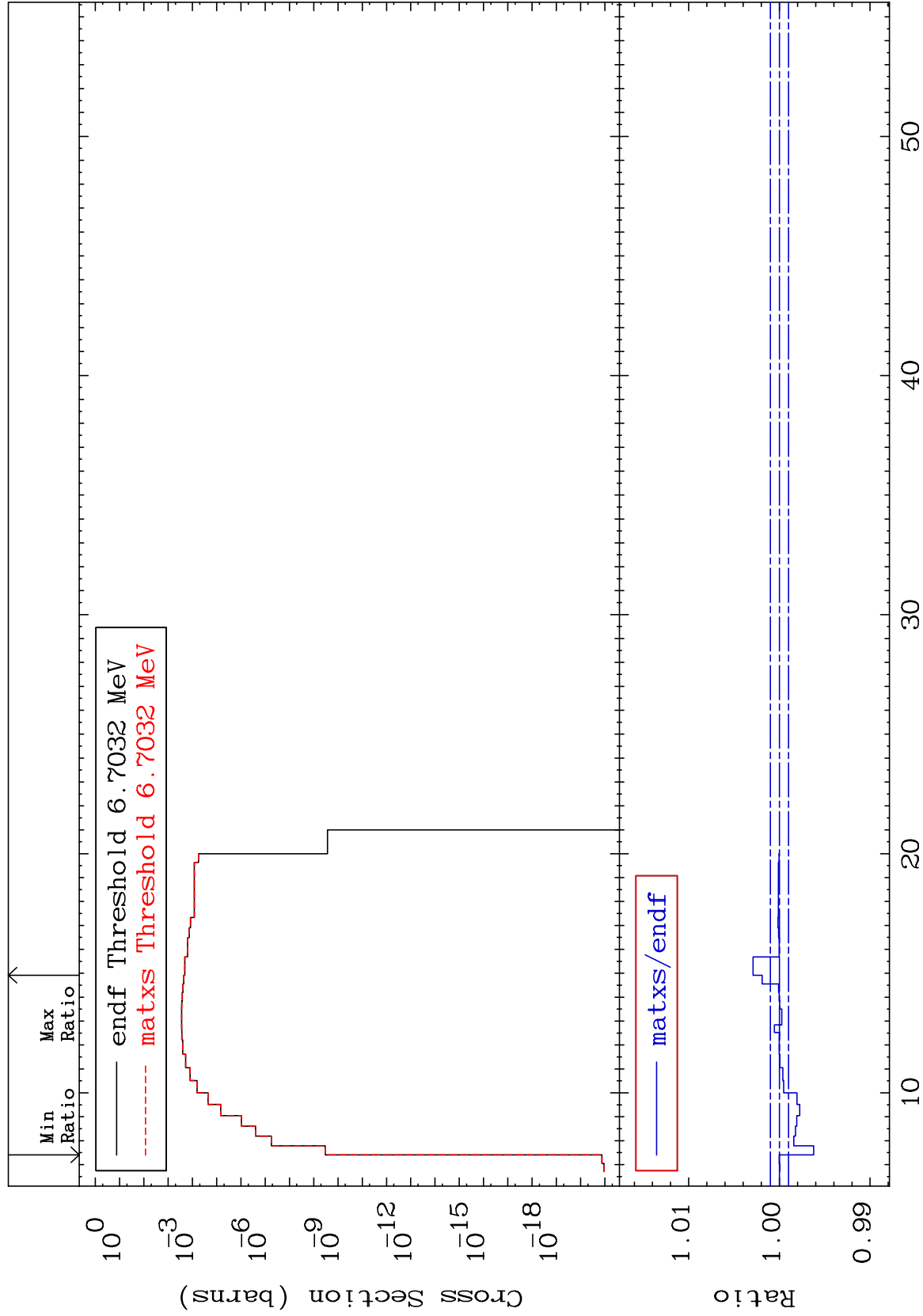
13-A1-27
-0.356 To 0.285 %



MAT 1325

3.372 MeV (n, α') Level
Cross Section

13-A1-27
-0.378 To 0.290 %



115

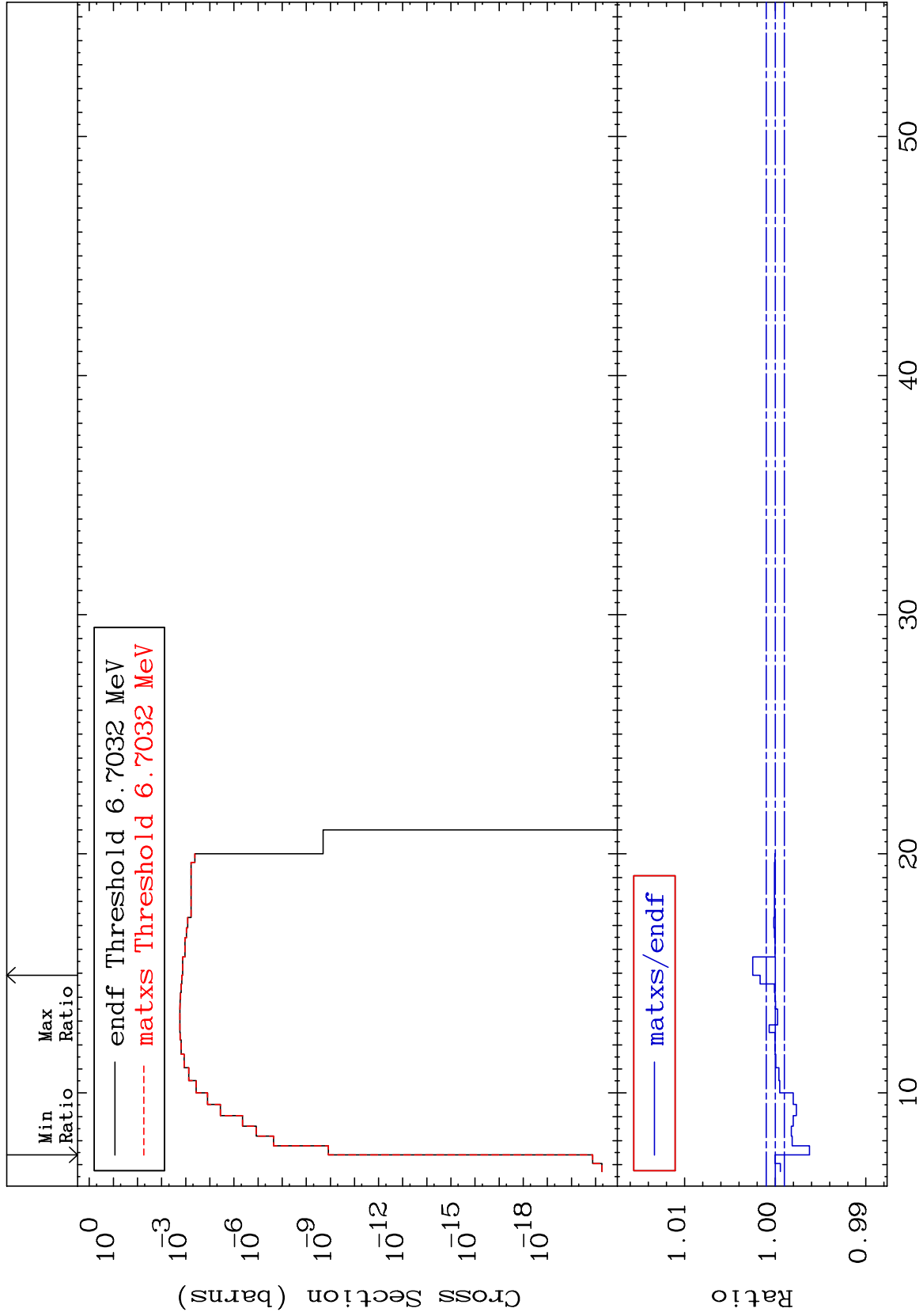
Incident Energy (MeV)

13-A1-27

MAT 1325

3.413 MeV (n, α') Level
Cross Section

13-A1-27
-0.377 To 0.248 %



116

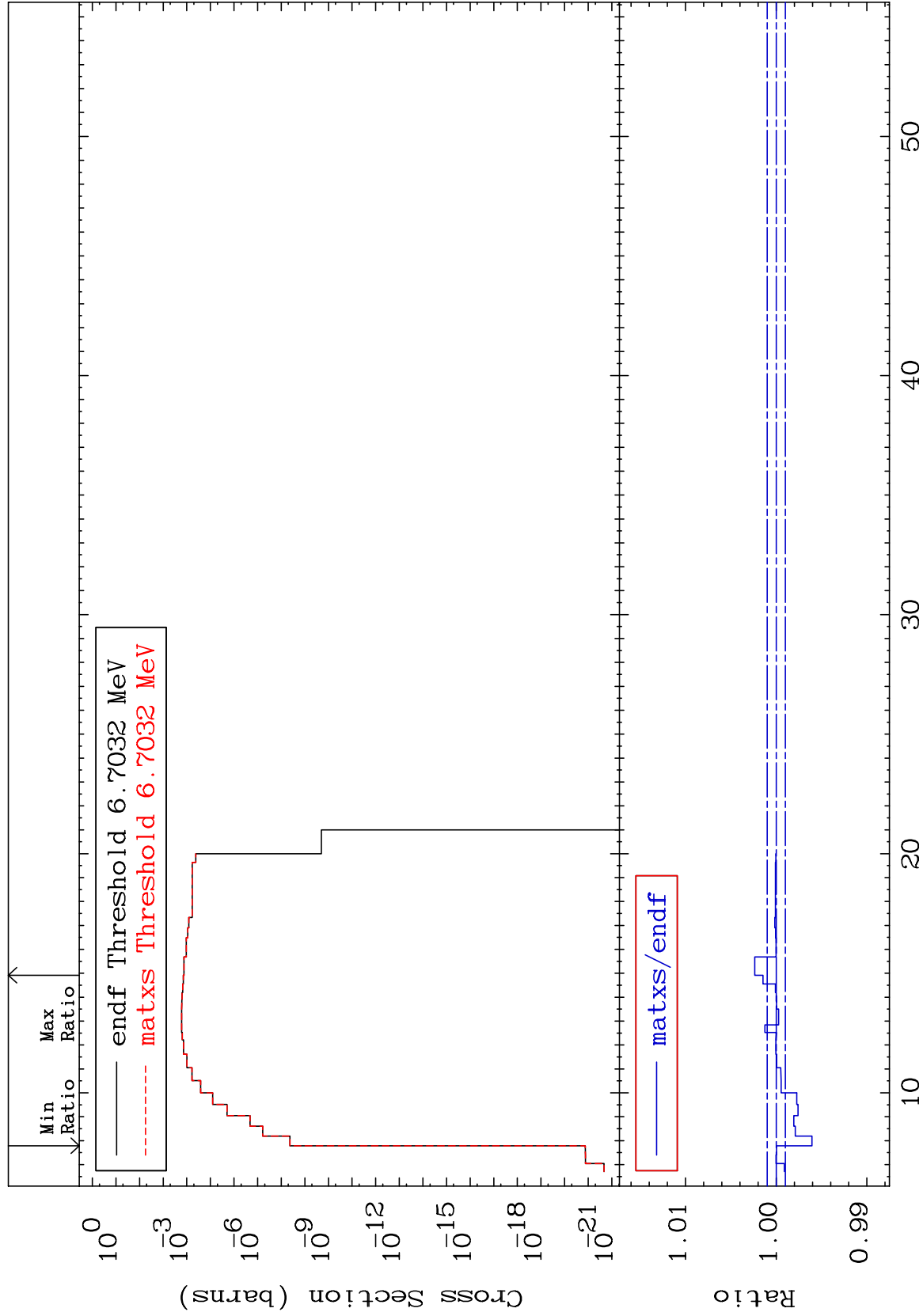
Incident Energy (MeV)

13-A1-27

MAT 1325

3.589 MeV (n, α') Level
Cross Section

13-A1-27
-0.395 To 0.237 %



117

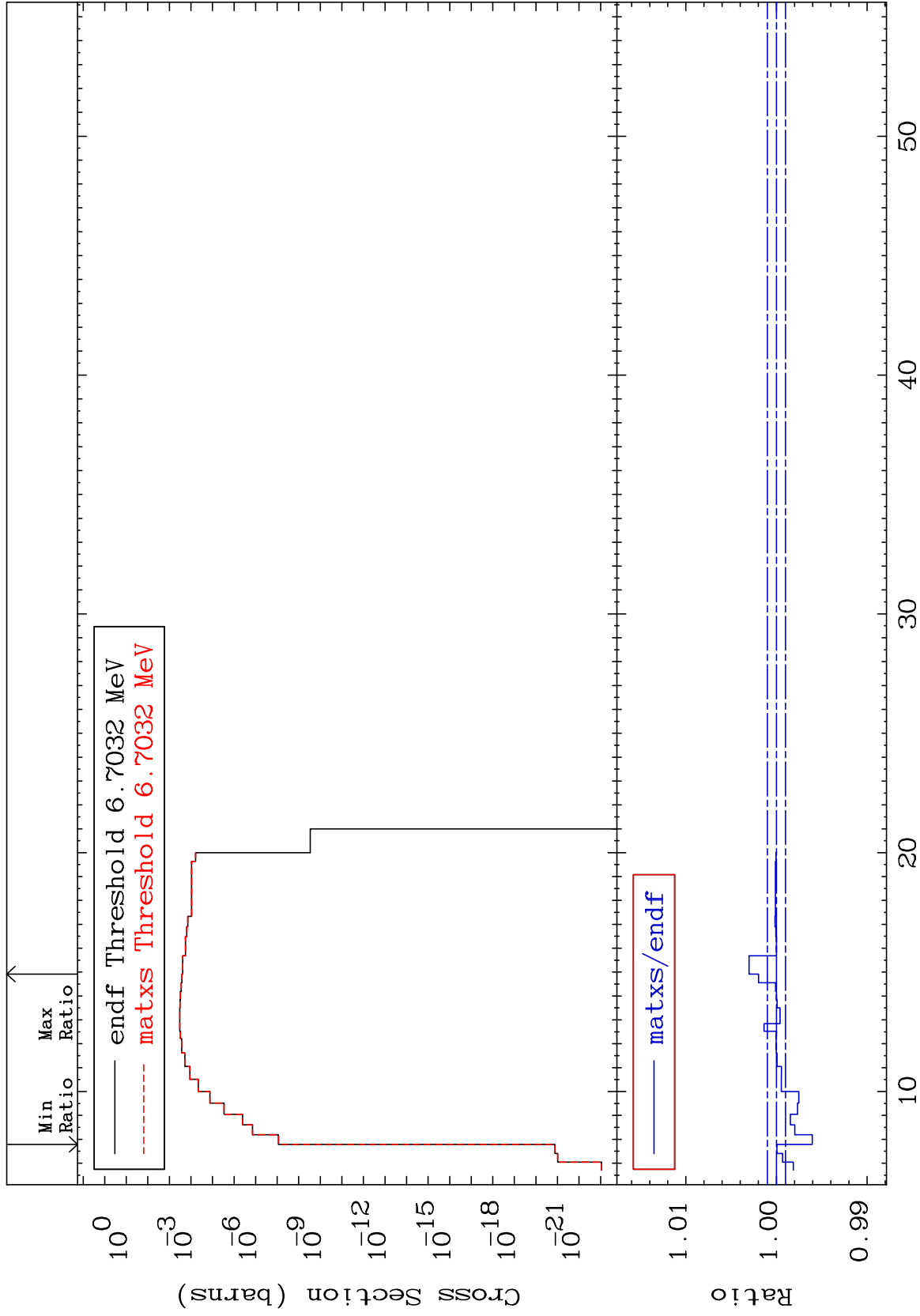
Incident Energy (MeV)

13-A1-27

MAT 1325

3.629 MeV (n,α') Level
Cross Section

13-A1-27
-0.395 To 0.304 %



118

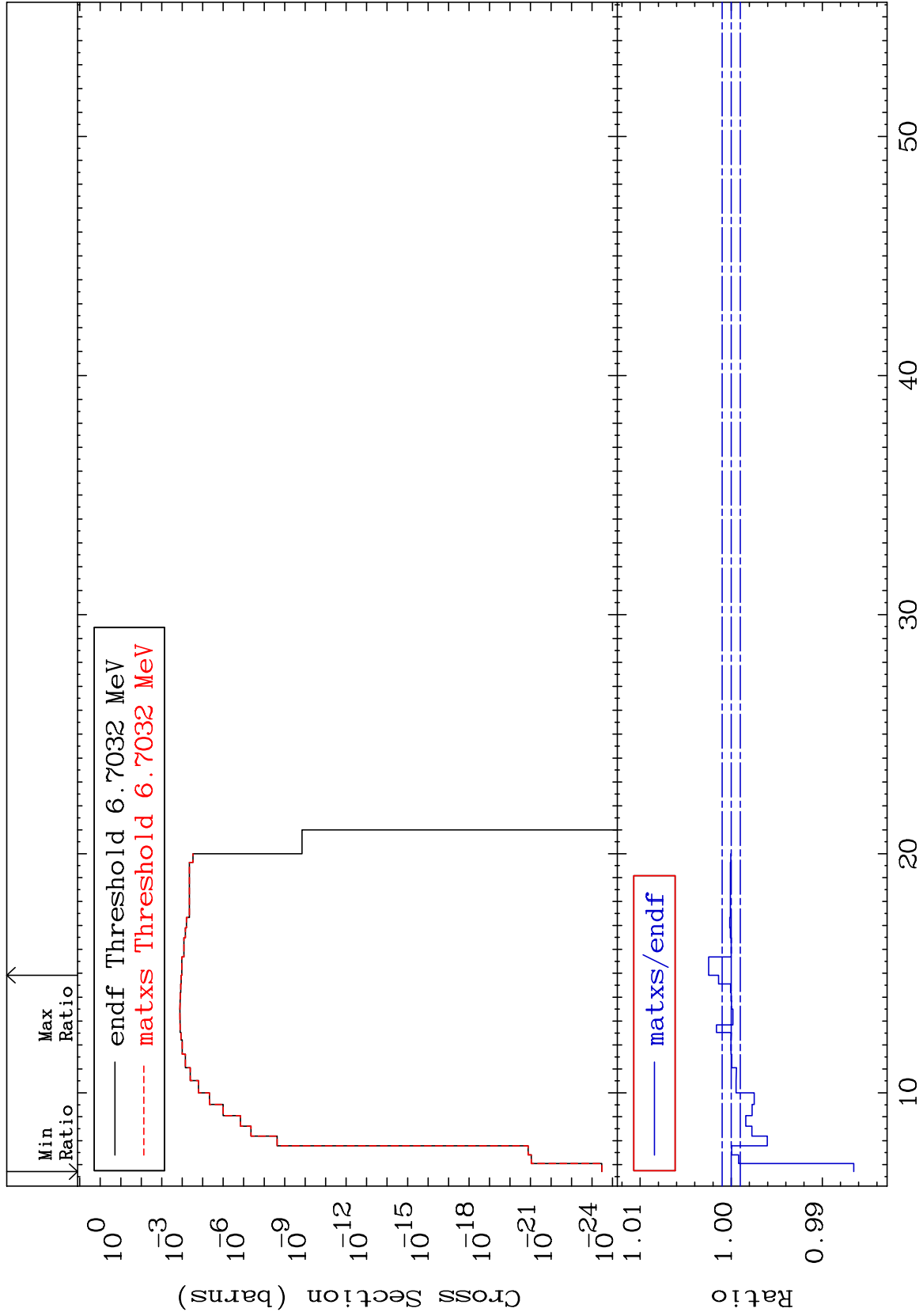
Incident Energy (MeV)

13-A1-27

MAT 1325

3.657 MeV (n, α') Level
Cross Section

13-A1-27
-1.345 To 0.248 %



119

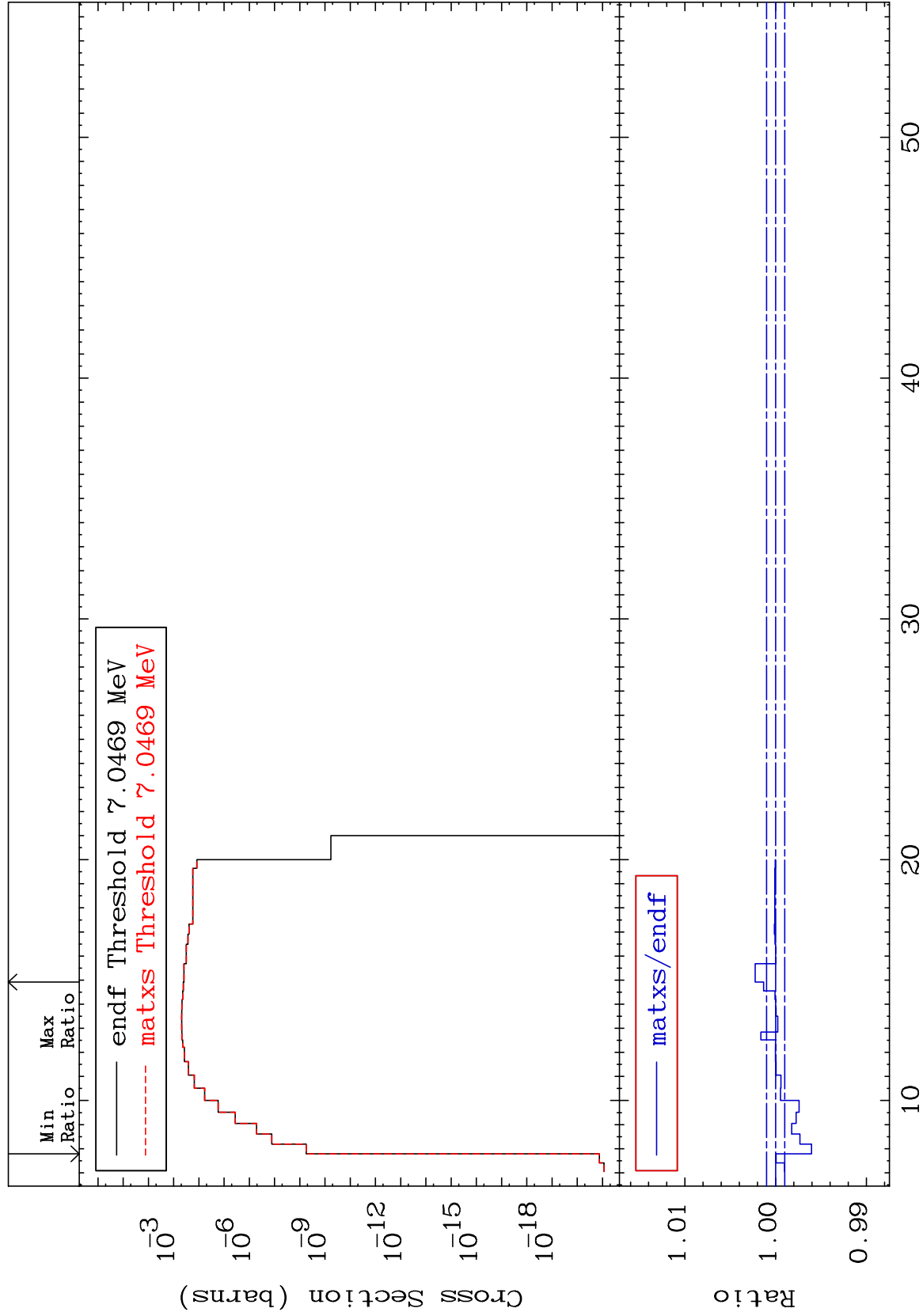
Incident Energy (MeV)

13-A1-27

MAT 1325

3.682 MeV (n, α') Level
Cross Section

13-A1-27
-0.395 To 0.225 %



120

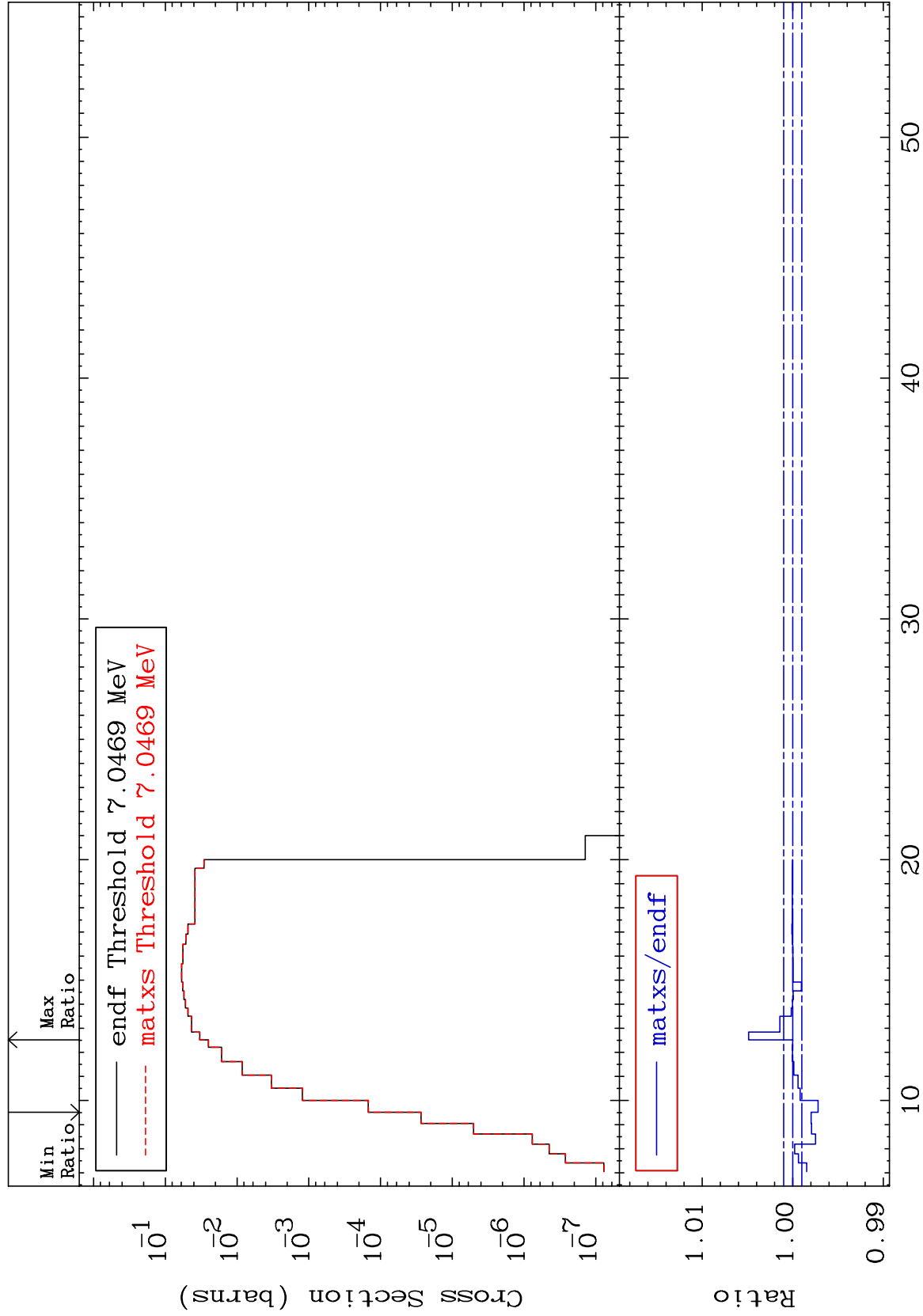
Incident Energy (MeV)

13-A1-27

MAT 1325

3.682 MeV (n, α') Level
Cross Section

13-A1-27
-0.280 To 0.488 %



121

Incident Energy (MeV)

13-A1-27