

Program Complot
(Version 2015-2)

by

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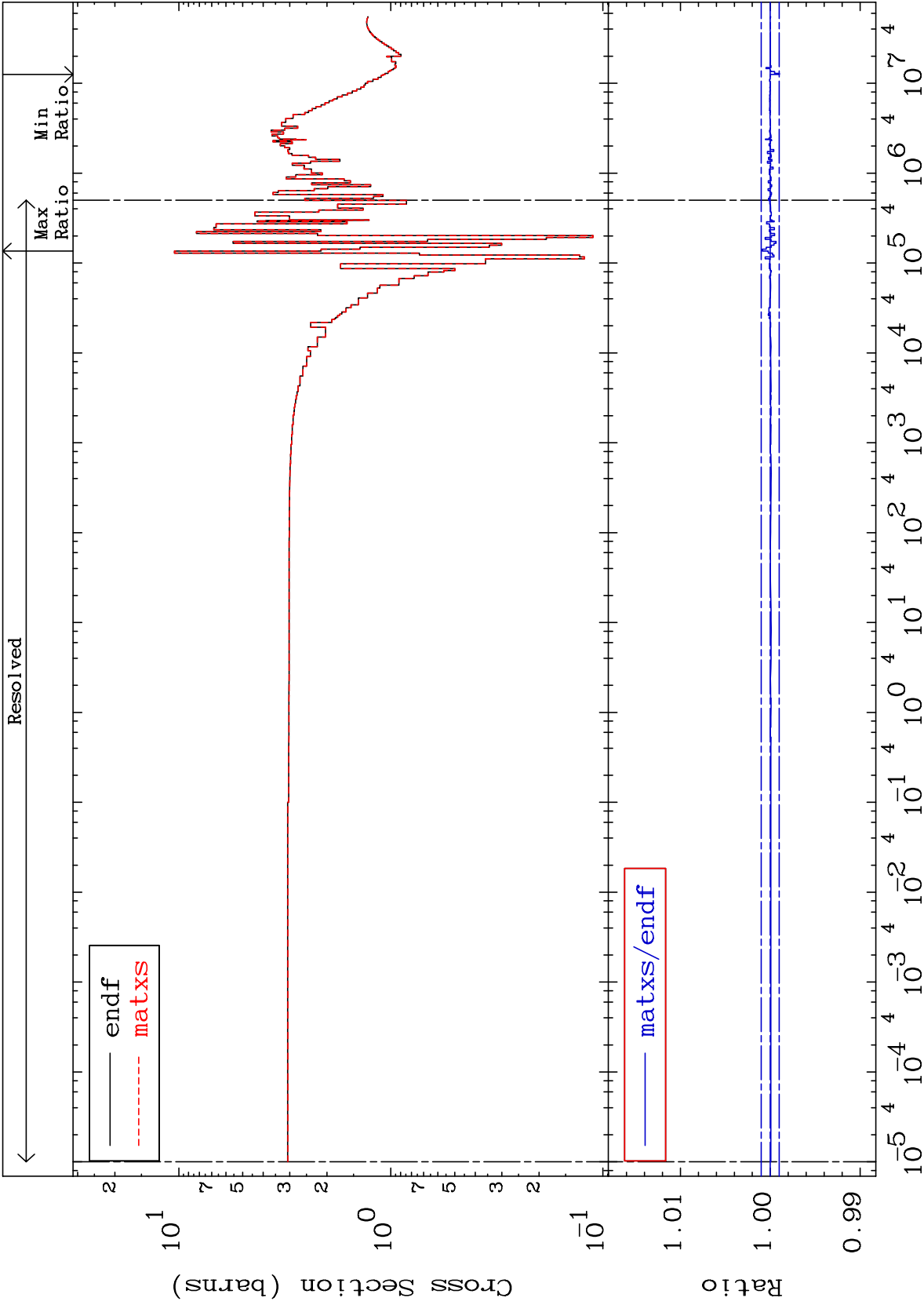
Web: home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 2025

Elastic
Cross Section

20-Ca-40
-0.101 To 0.090 %



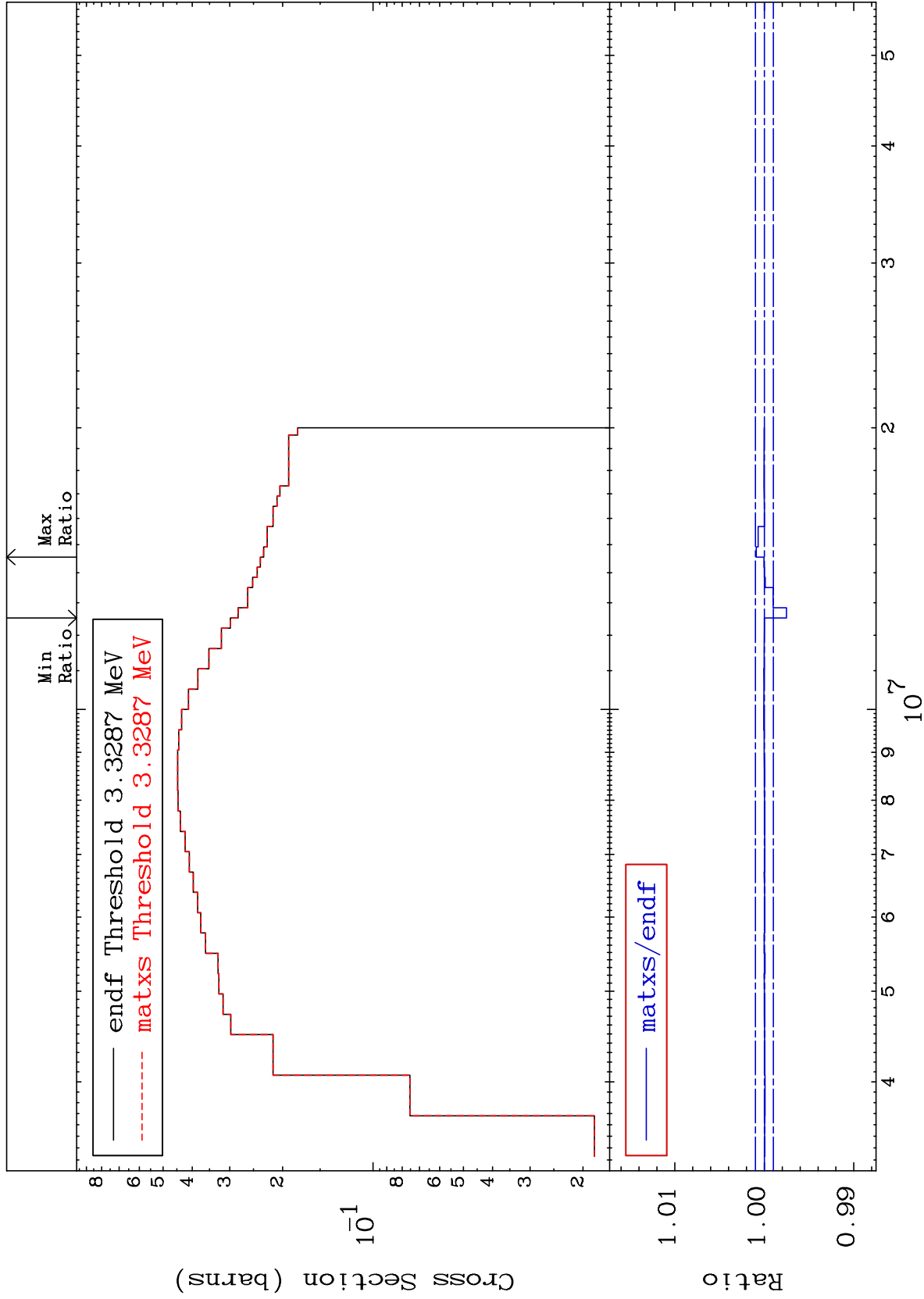
Incident Energy (eV)

20-Ca-40

MAT 2025

20-Ca-40
-0.247 To 0.089 %

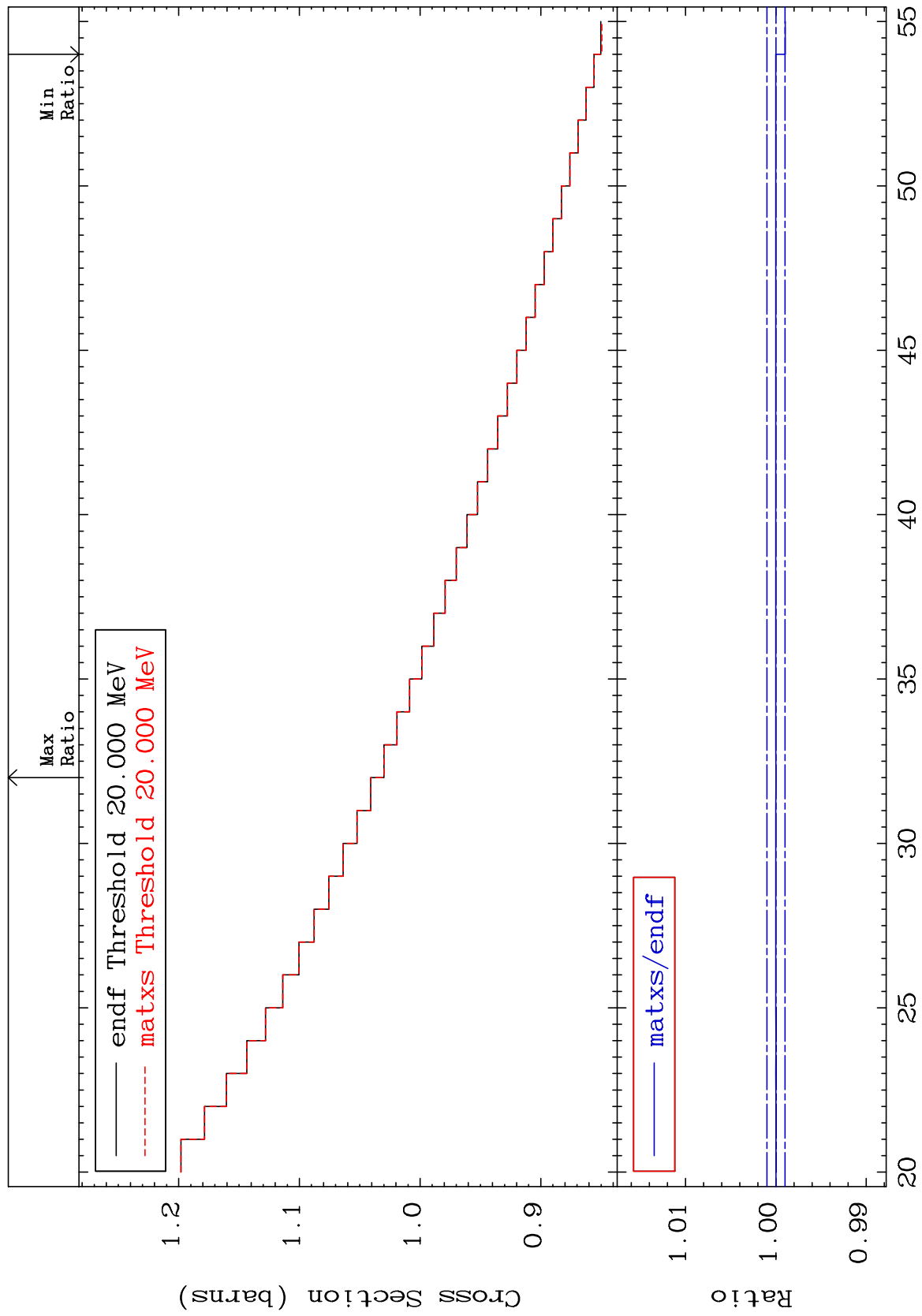
Inelastic
Cross Section



MAT 2025

(n, remainder)
Cross Section

20-Ca-40
-0.103 To 0.000 %



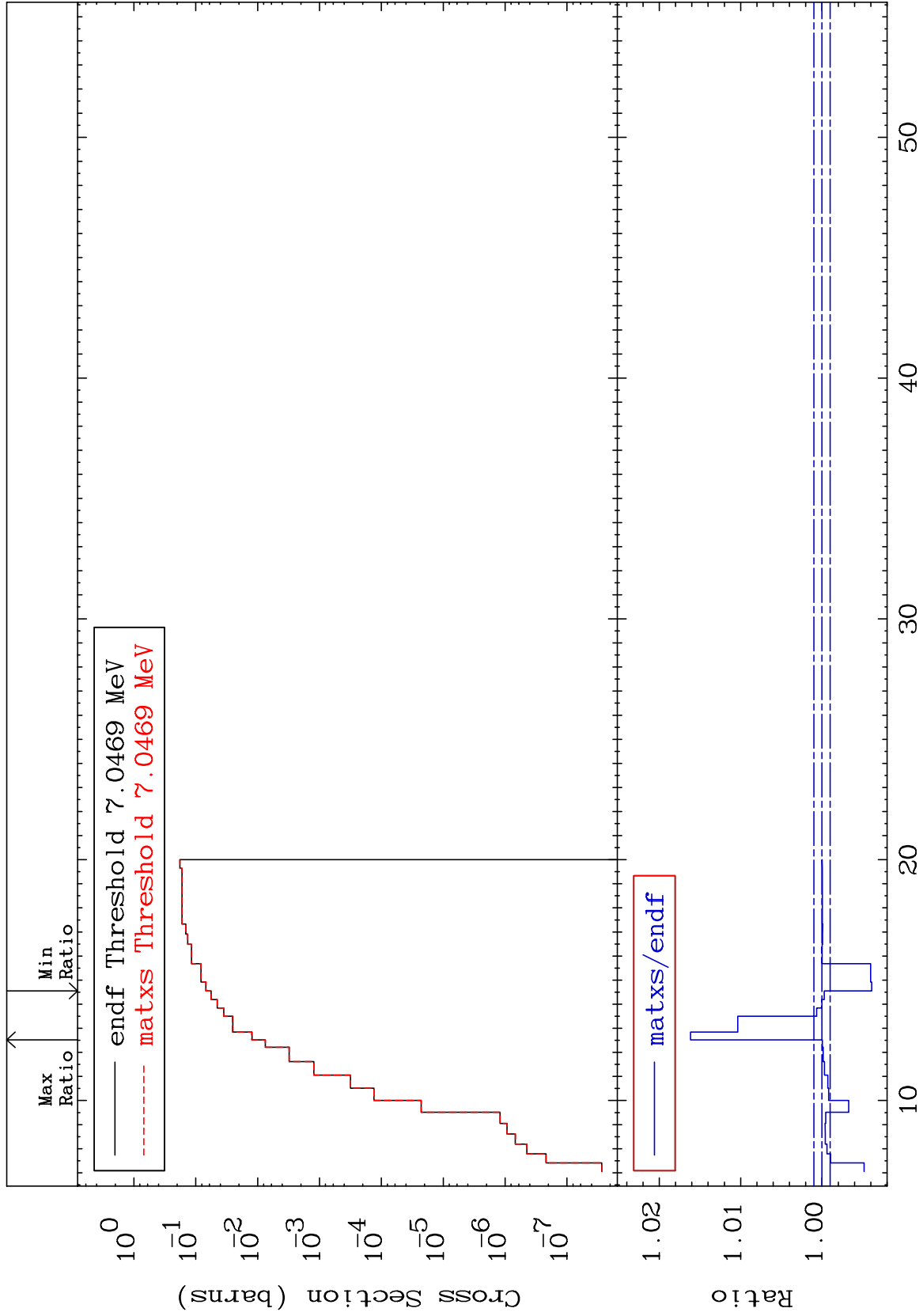
3

20-Ca-40

MAT 2025

(n, n') α
Cross Section

20-Ca-40
-0.611 To 1.616 %



5

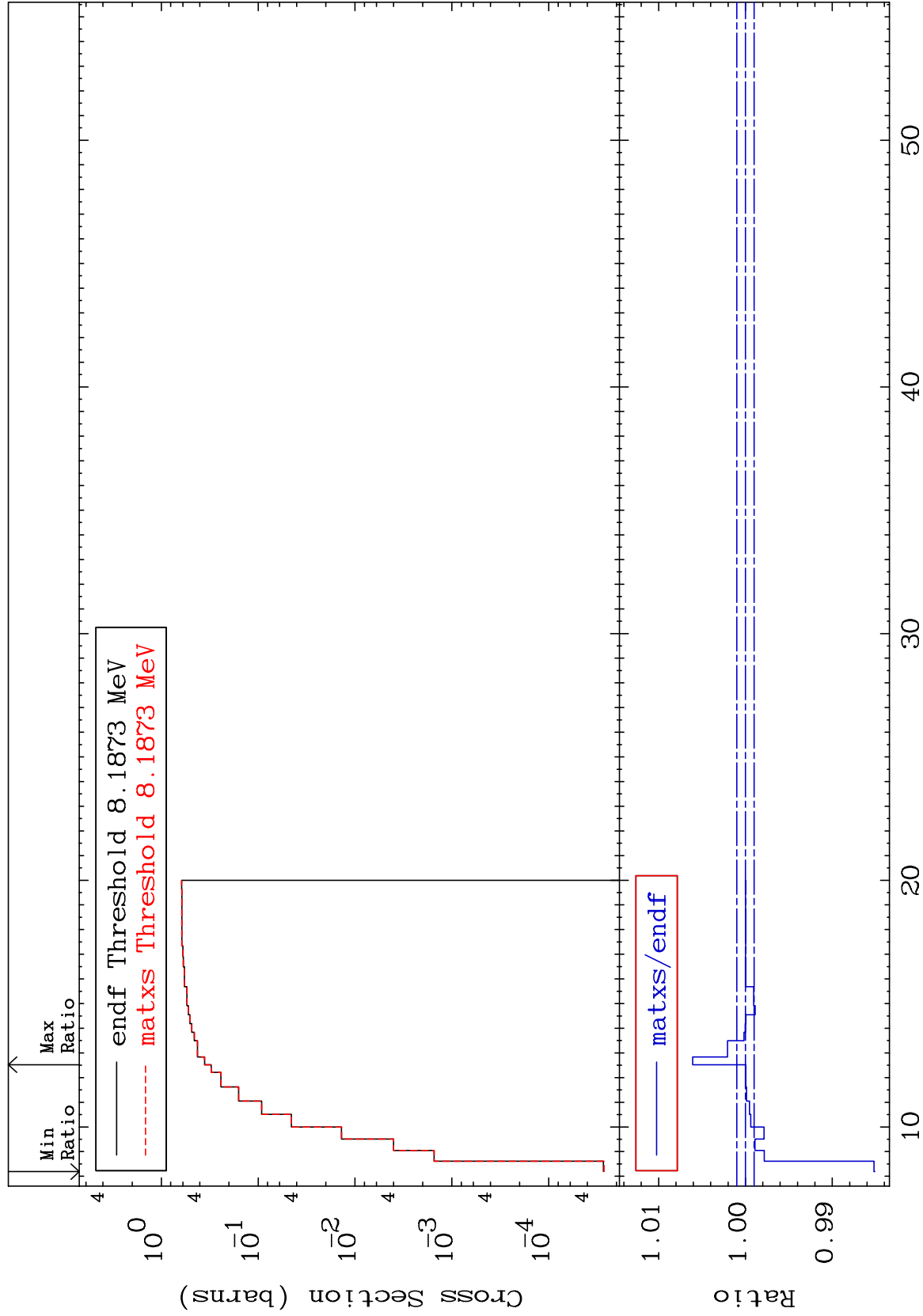
Incident Energy (MeV)

20-Ca-40

MAT 2025

(n, n') p
Cross Section

20-Ca-40
-1.481 To 0.607 %



6

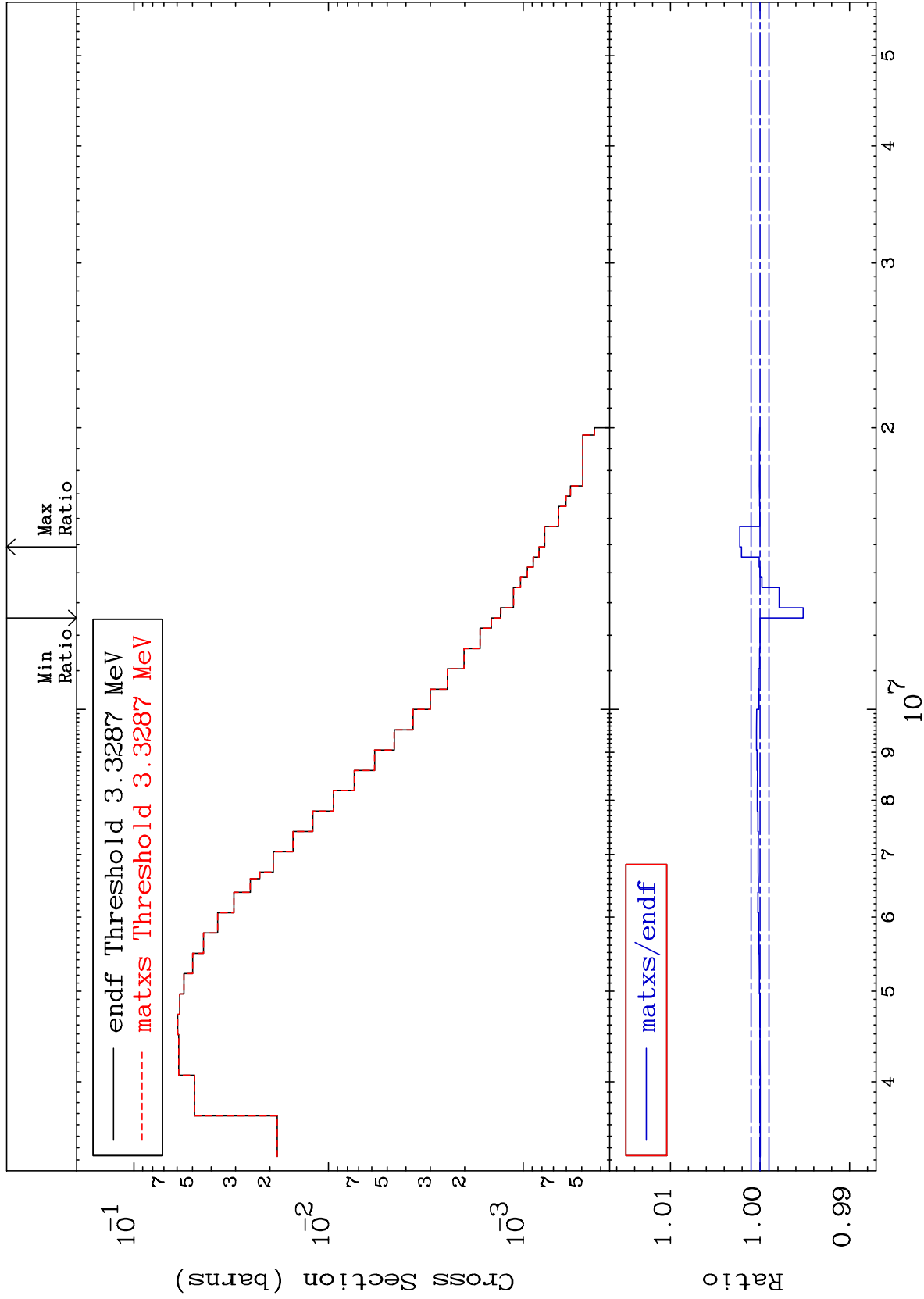
Incident Energy (MeV)

20-Ca-40

MAT 2025

3.353 MeV (n,n') Level
Cross Section

20-Ca-40
-0.481 To 0.226 %



7

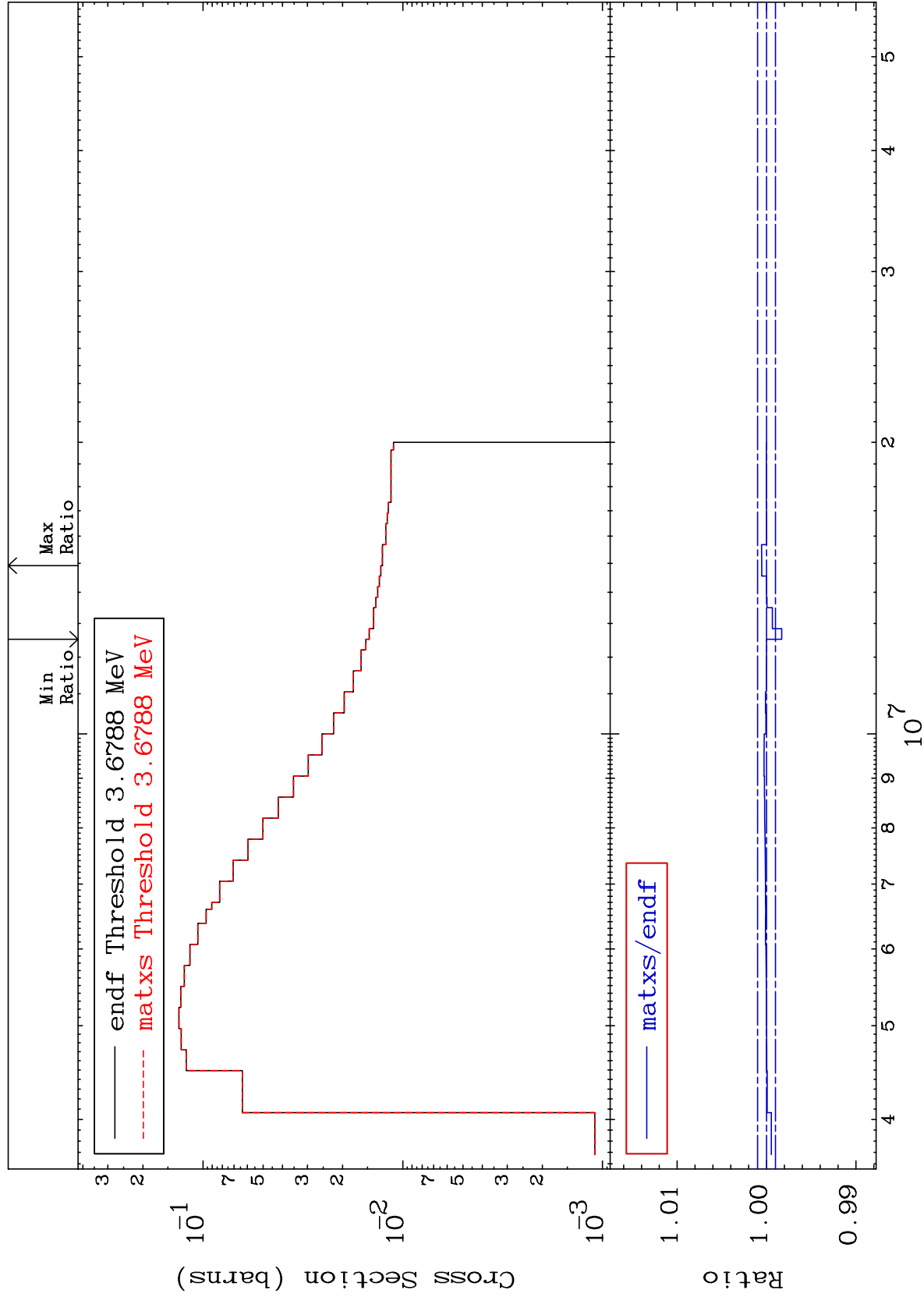
Incident Energy (eV)

20-Ca-40

MAT 2025

3.904 MeV (n,n') Level
Cross Section

20-Ca-40
-0.171 To 0.056 %



8

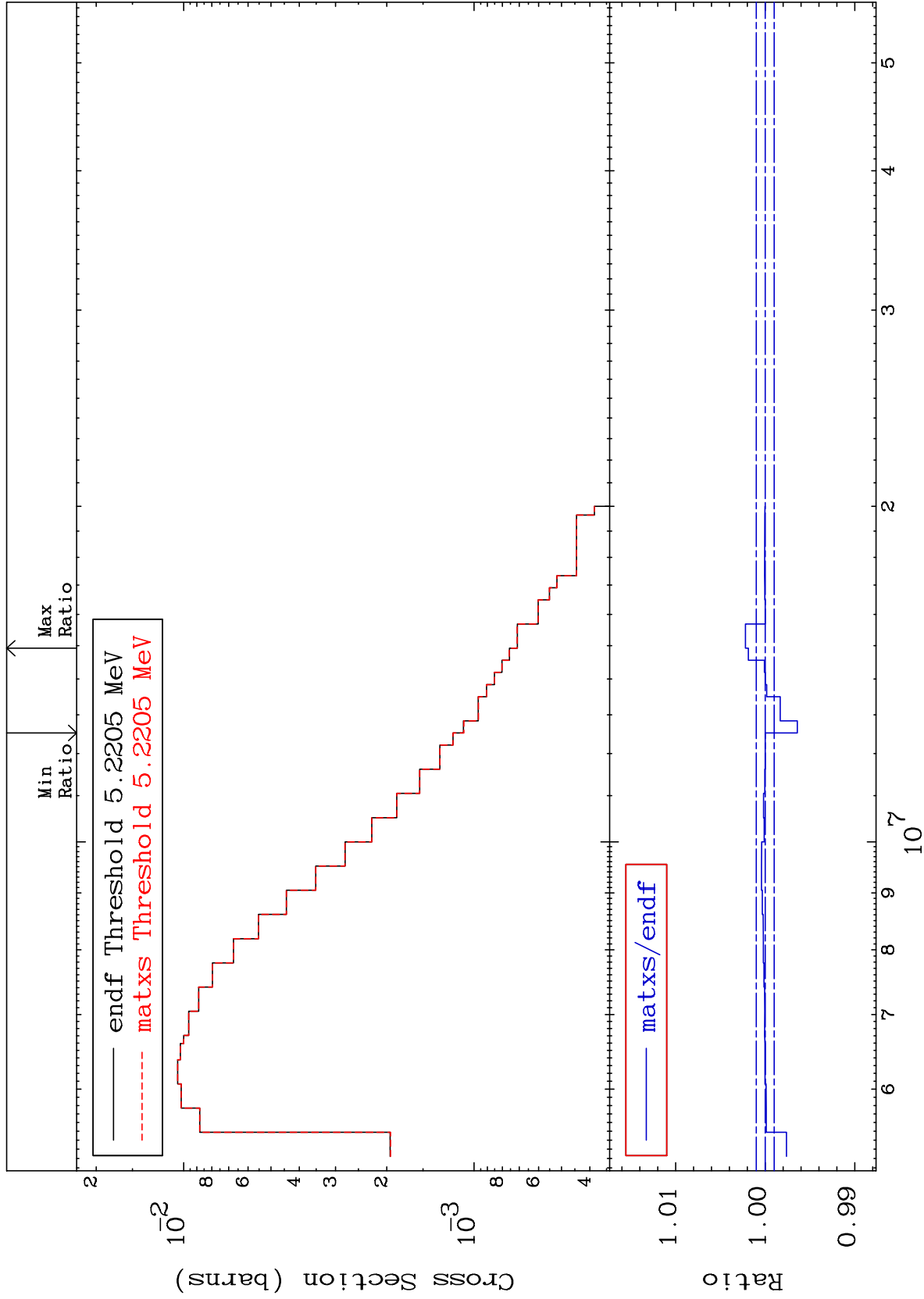
Incident Energy (eV)

20-Ca-40

MAT 2025

5.212 MeV (n,n') Level
Cross Section

20-Ca-40
-0.358 To 0.220 %



9

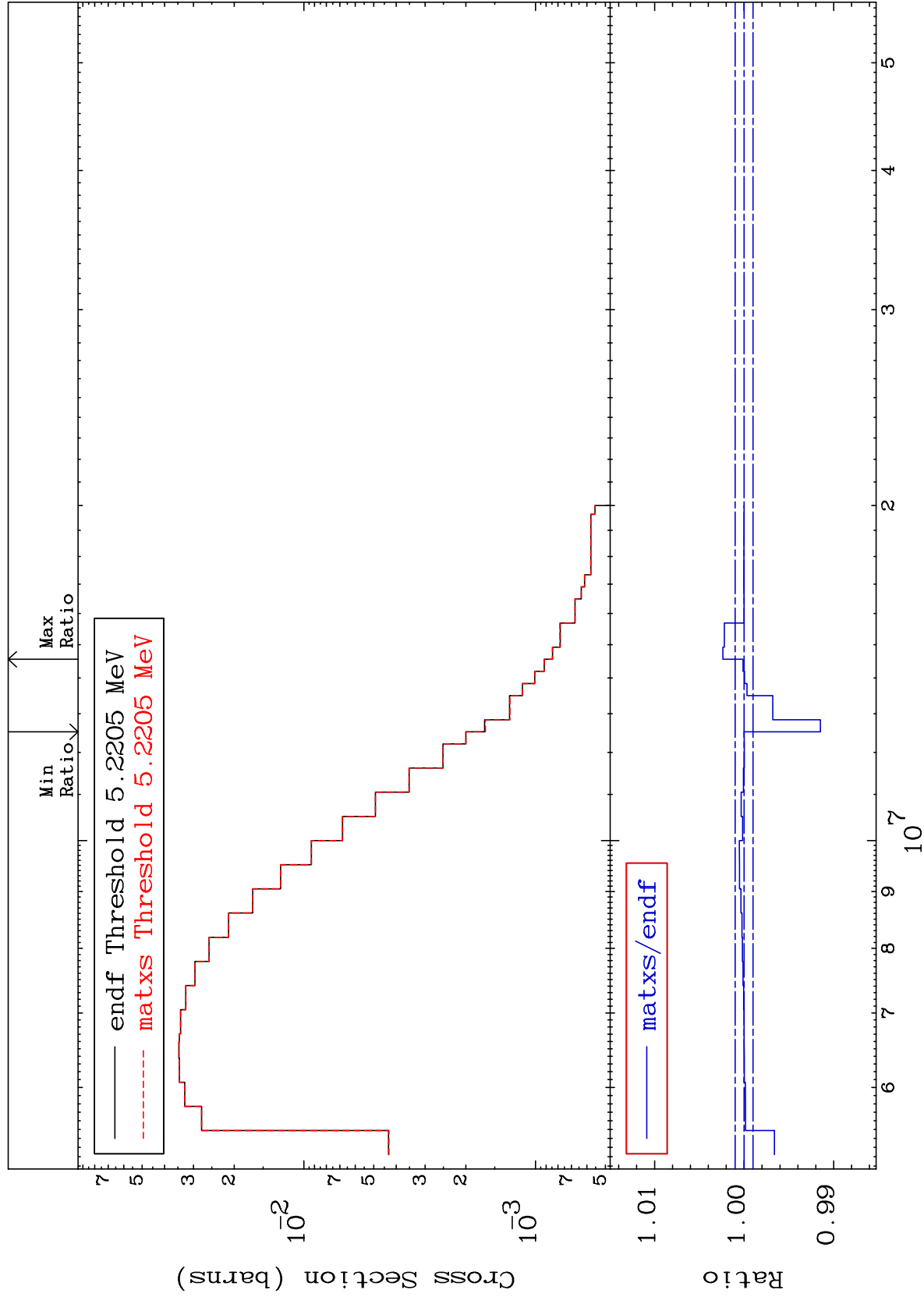
Incident Energy (eV)

20-Ca-40

MAT 2025

5.249 MeV (n,n') Level
Cross Section

20-Ca-40
-0.851 To 0.237 %



10

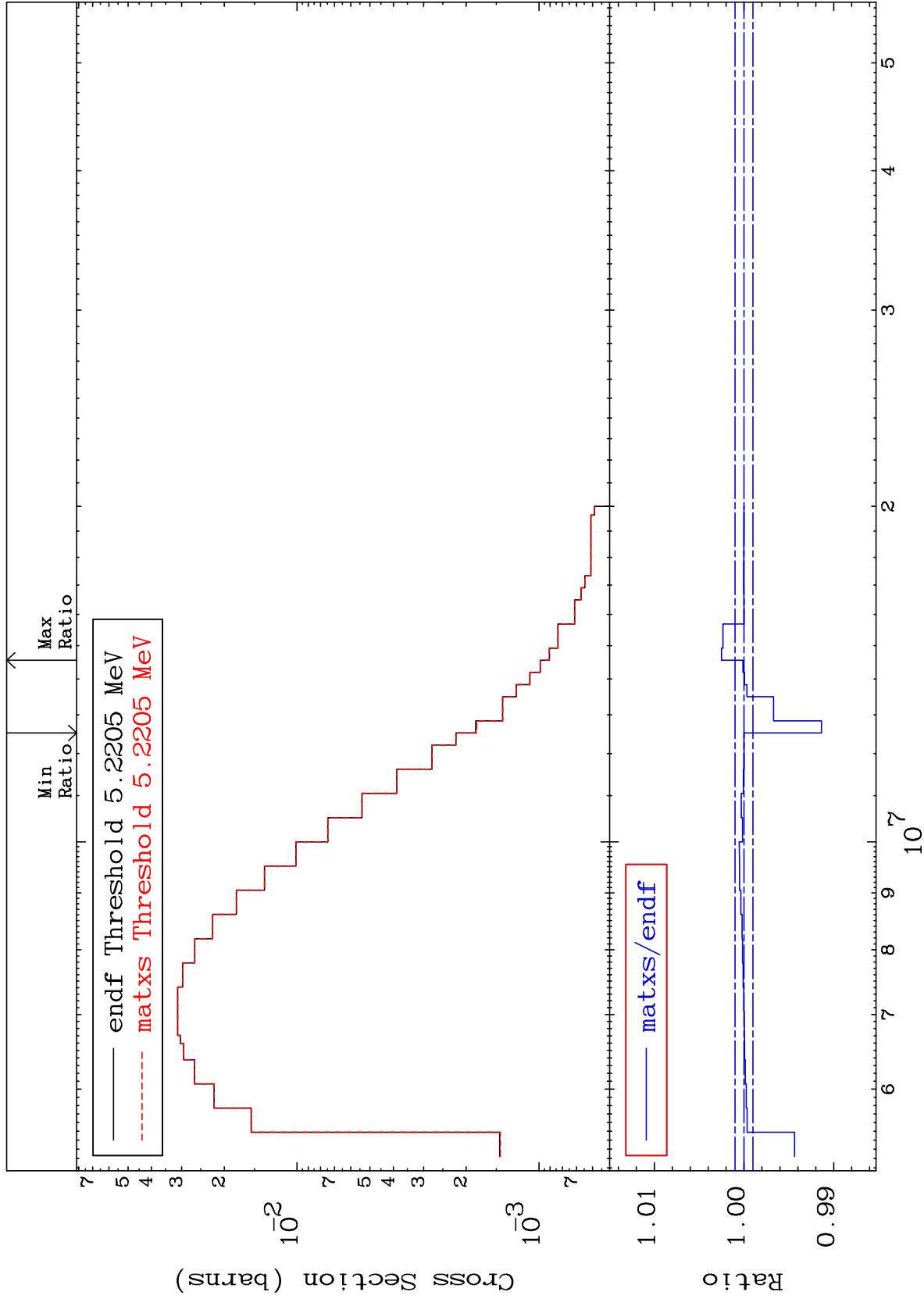
Incident Energy (eV)

20-Ca-40

MAT 2025

5.279 MeV (n,n') Level
Cross Section

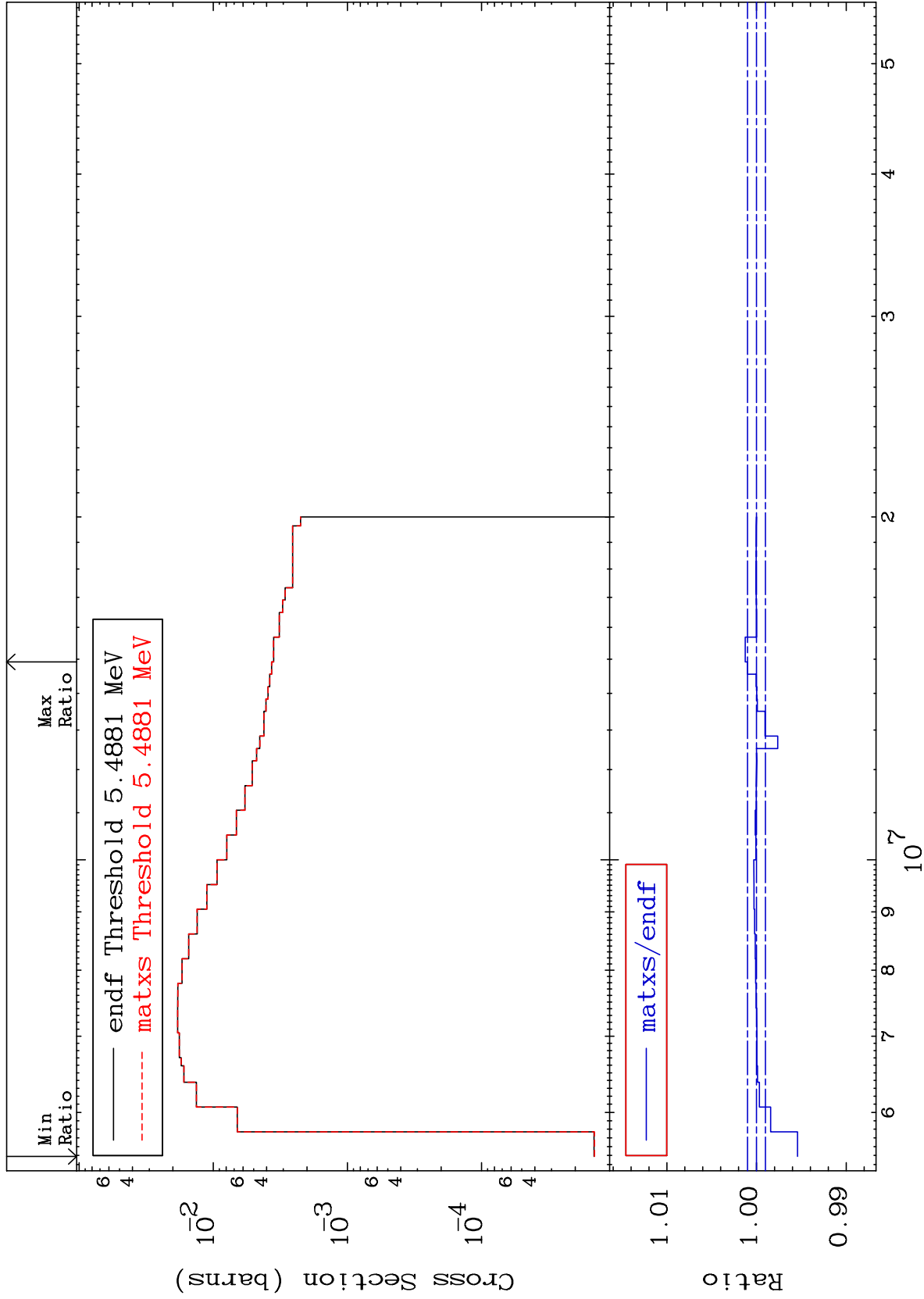
20-Ca-40
-0.862 To 0.252 %



MAT 2025

5.614 MeV (n,n') Level
Cross Section

20-Ca-40
-0.458 To 0.127 %



12

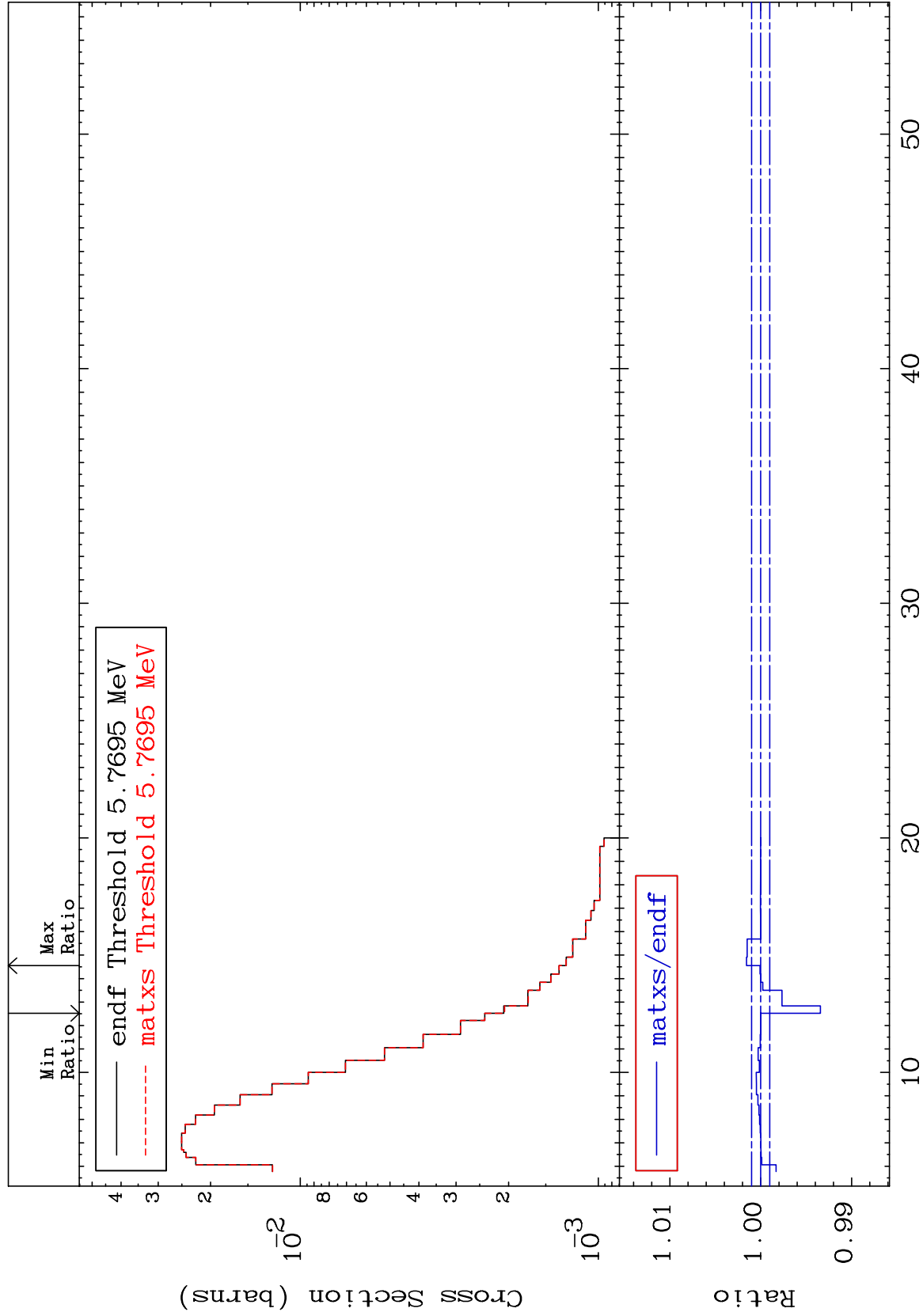
Incident Energy (eV)

20-Ca-40

MAT 2025

5.629 MeV (n,n') Level
Cross Section

20-Ca-40
-0.656 To 0.158 %



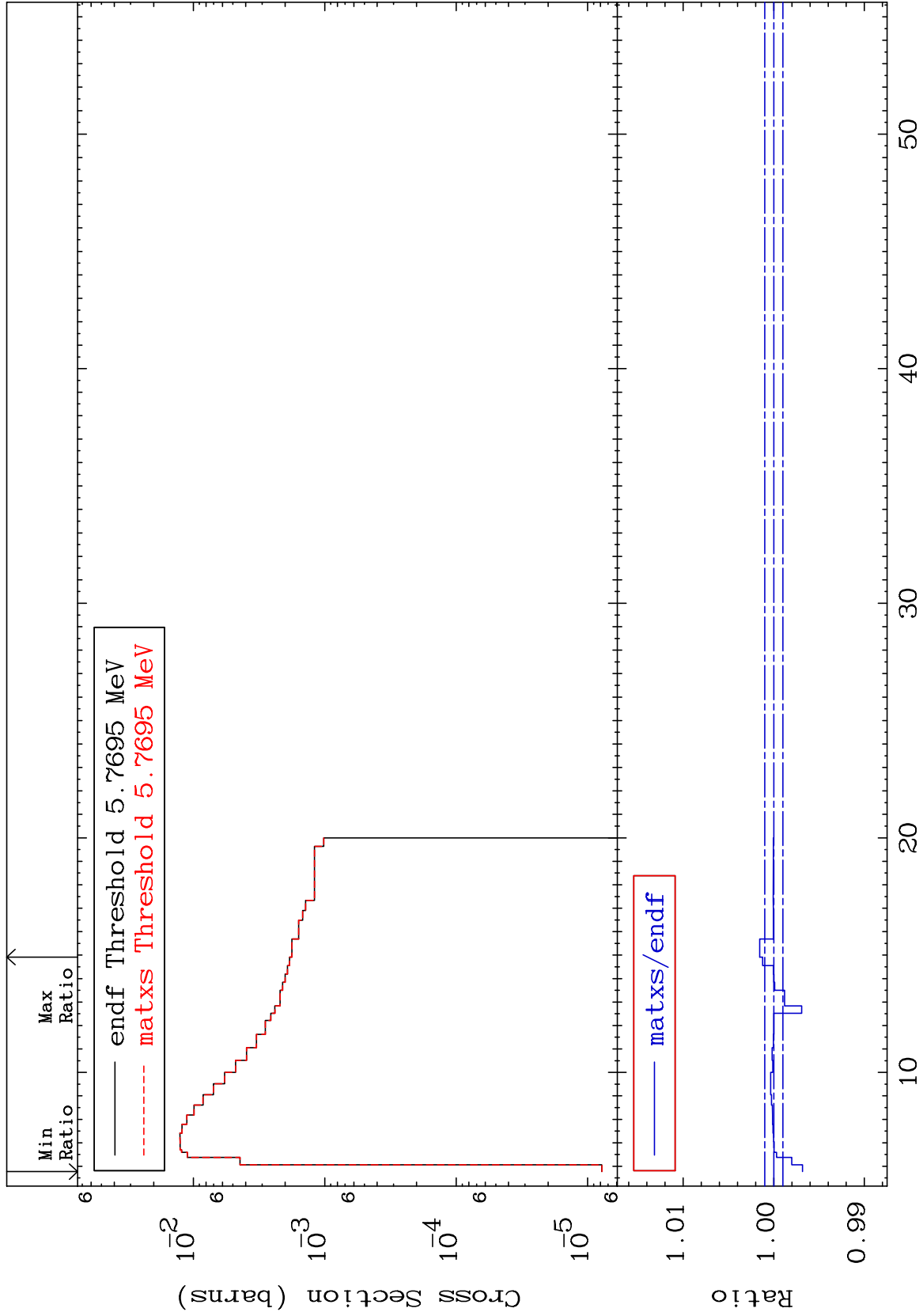
13

20-Ca-40

MAT 2025

5.903 MeV (n,n') Level
Cross Section

20-Ca-40
-0.317 To 0.154 %



14

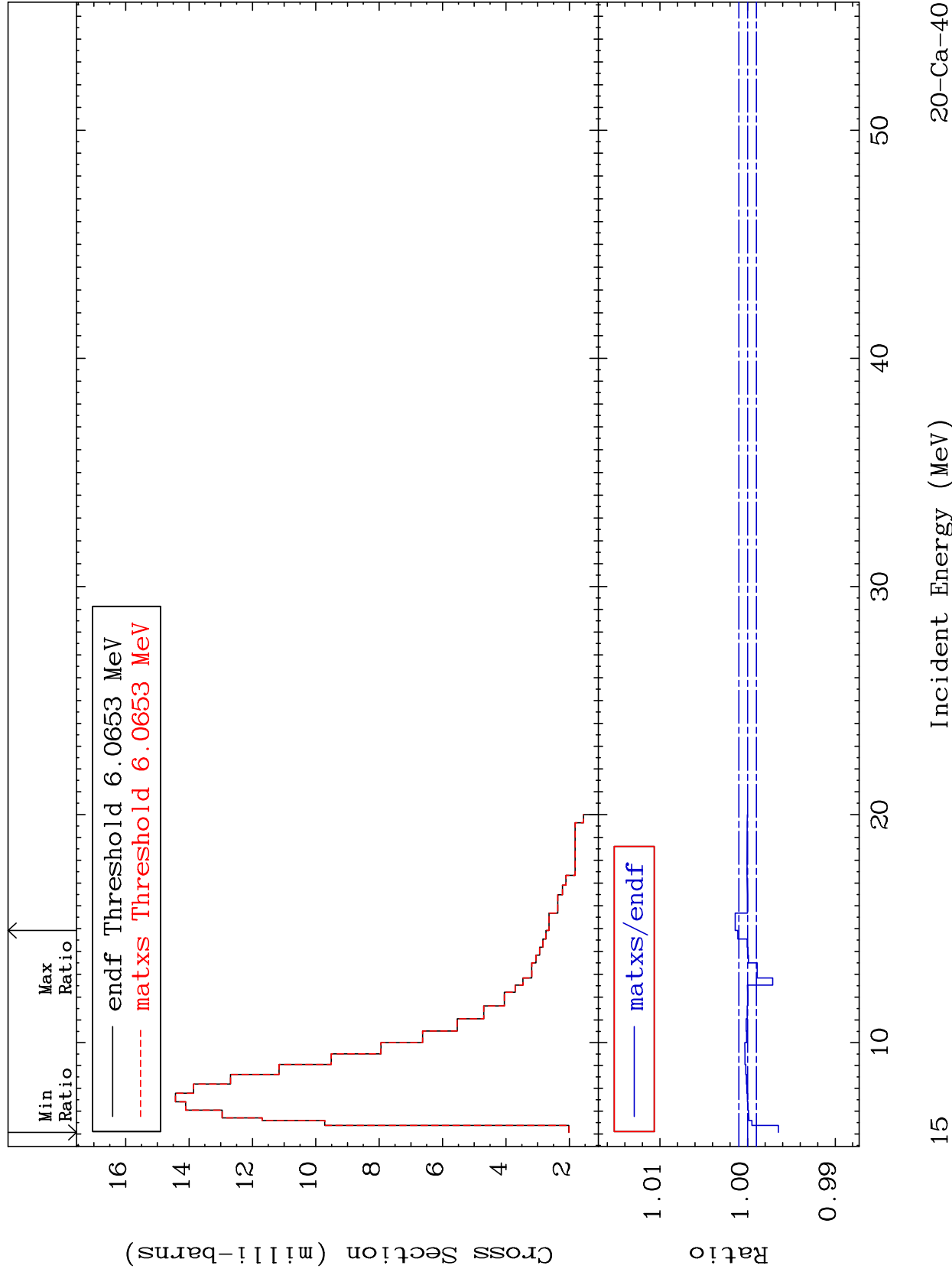
Incident Energy (MeV)

20-Ca-40

MAT 2025

6.026 MeV (n,n') Level
Cross Section

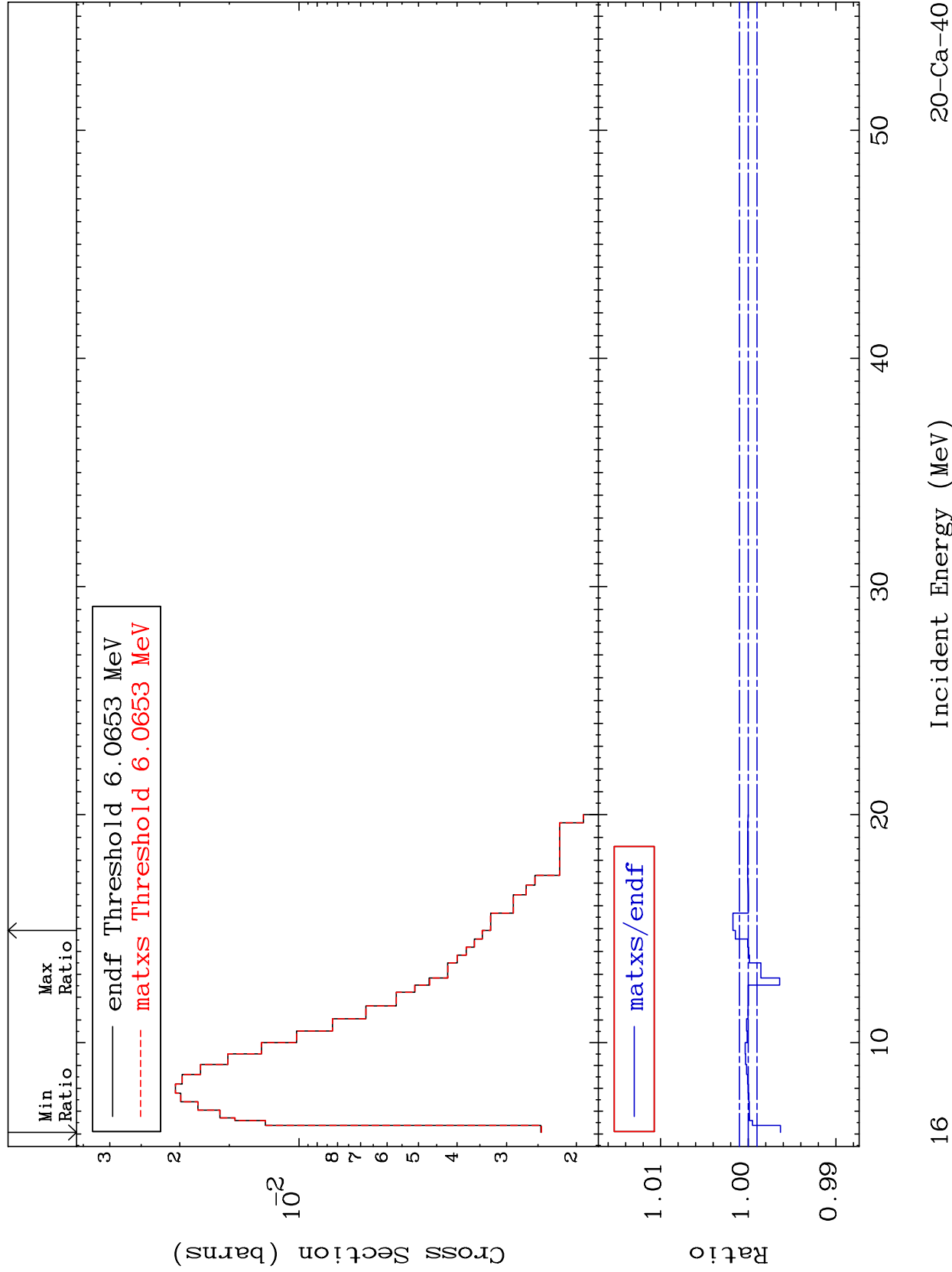
20-Ca-40
-0.351 To 0.142 %



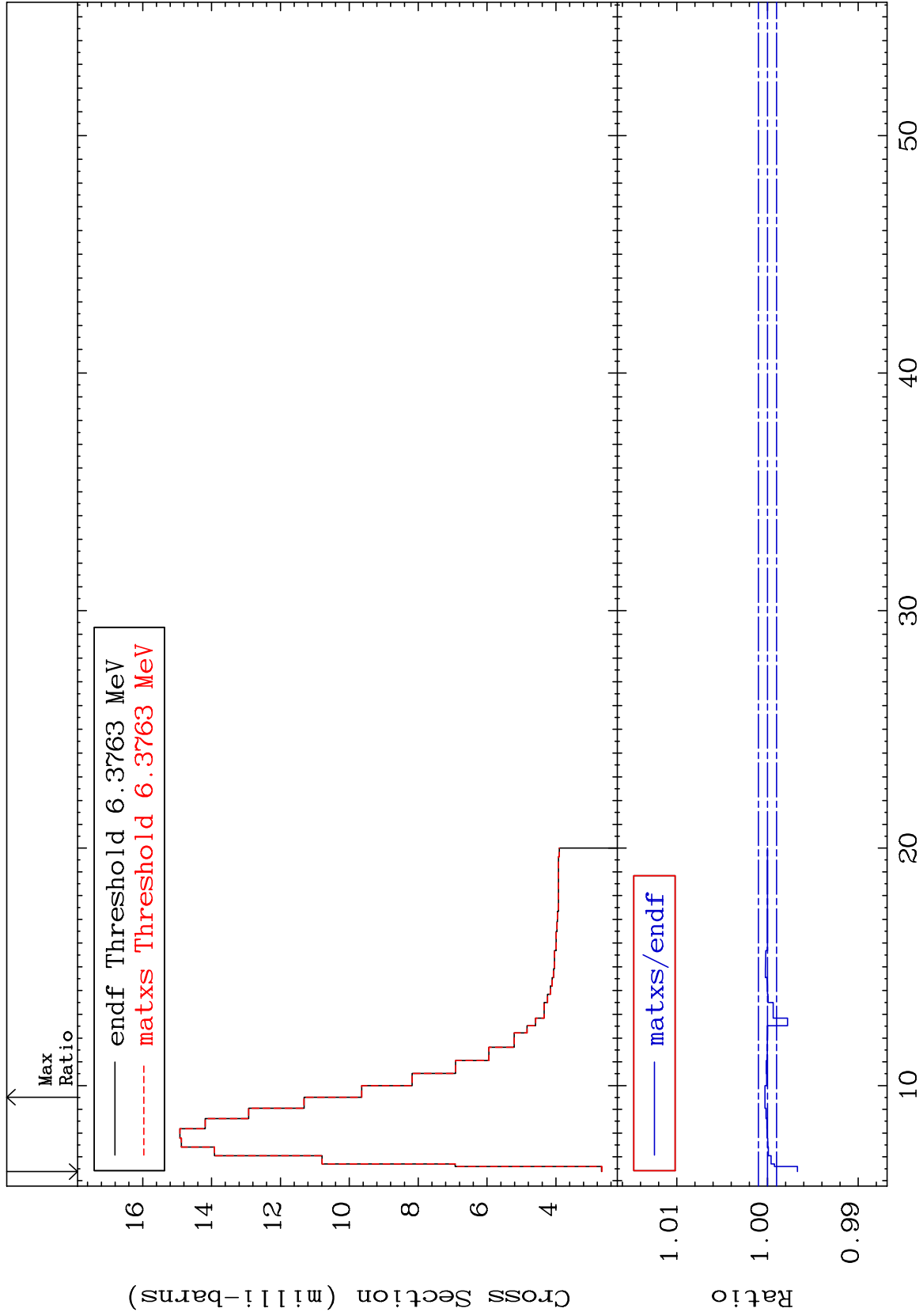
MAT 2025

6.030 MeV (n,n') Level
Cross Section

20-Ca-40
-0.367 To 0.174 %



MAT 2025 6.285 MeV (n,n') Level 20-Ca-40
Cross Section -0.329 To 0.029 %



17

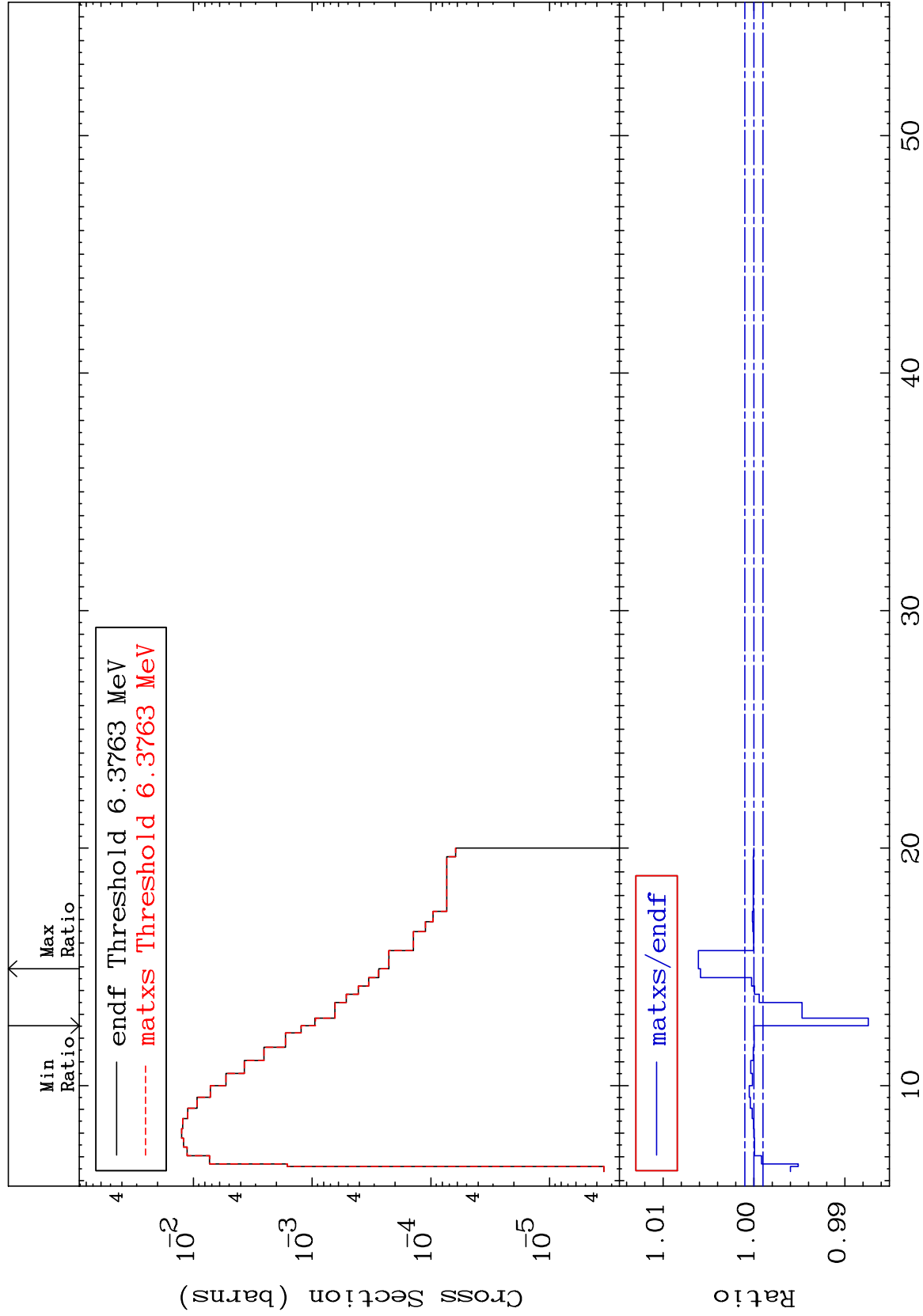
Incident Energy (MeV)

20-Ca-40

MAT 2025

6.422 MeV (n,n') Level
Cross Section

20-Ca-40
-1.257 To 0.611 %



18

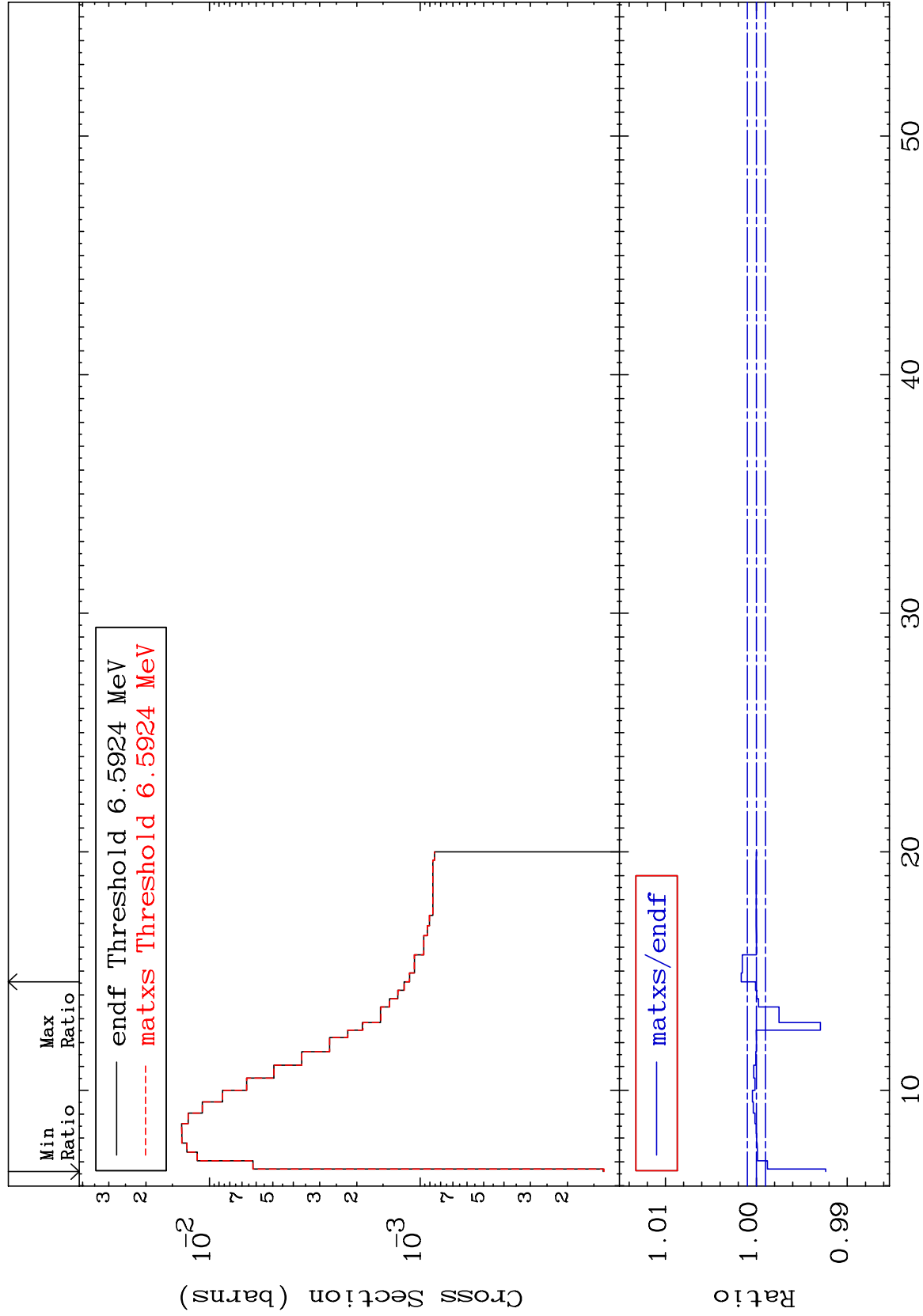
Incident Energy (MeV)

20-Ca-40

MAT 2025

6.508 MeV (n,n') Level
Cross Section

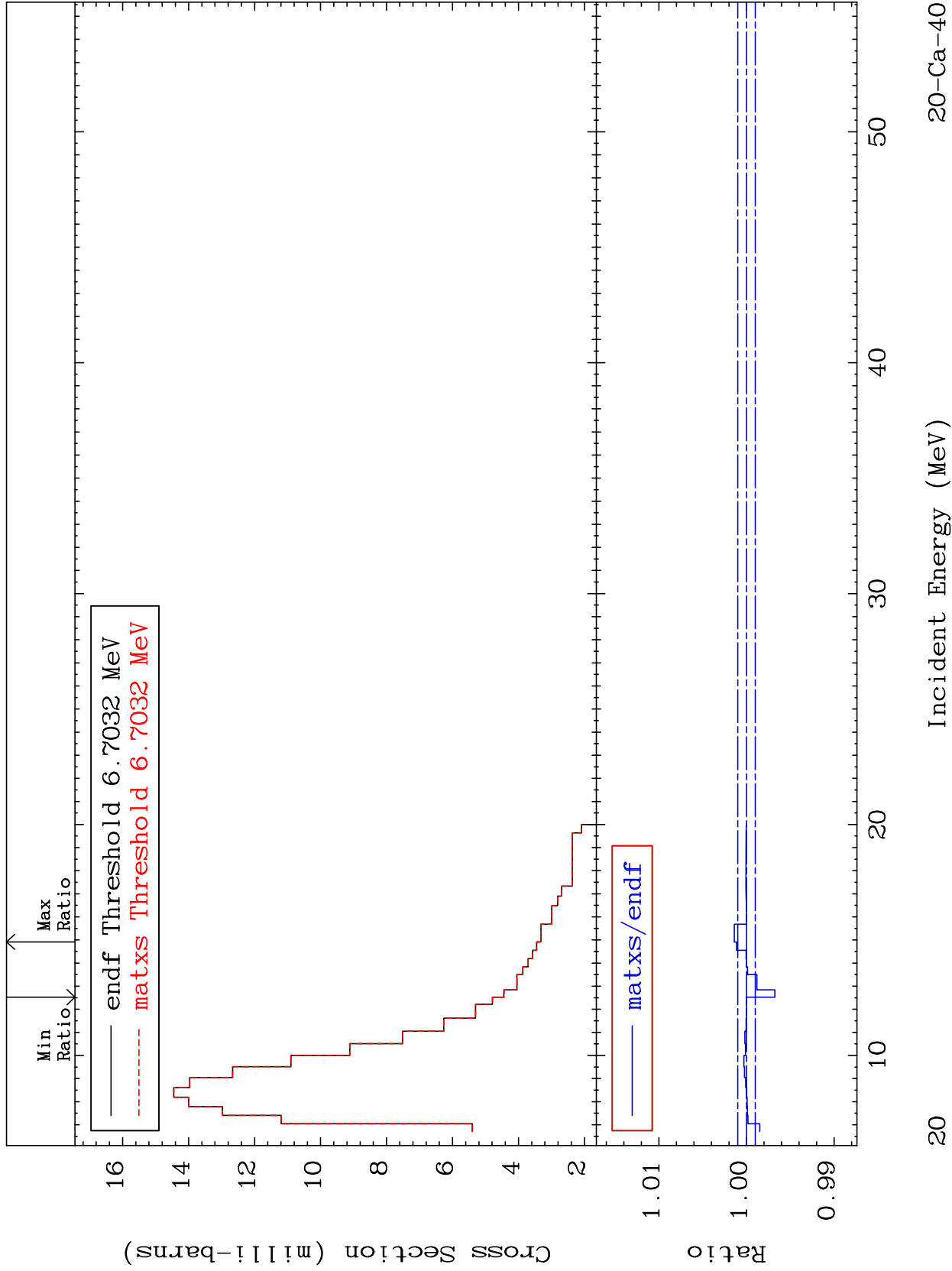
20-Ca-40
-0.761 To 0.168 %



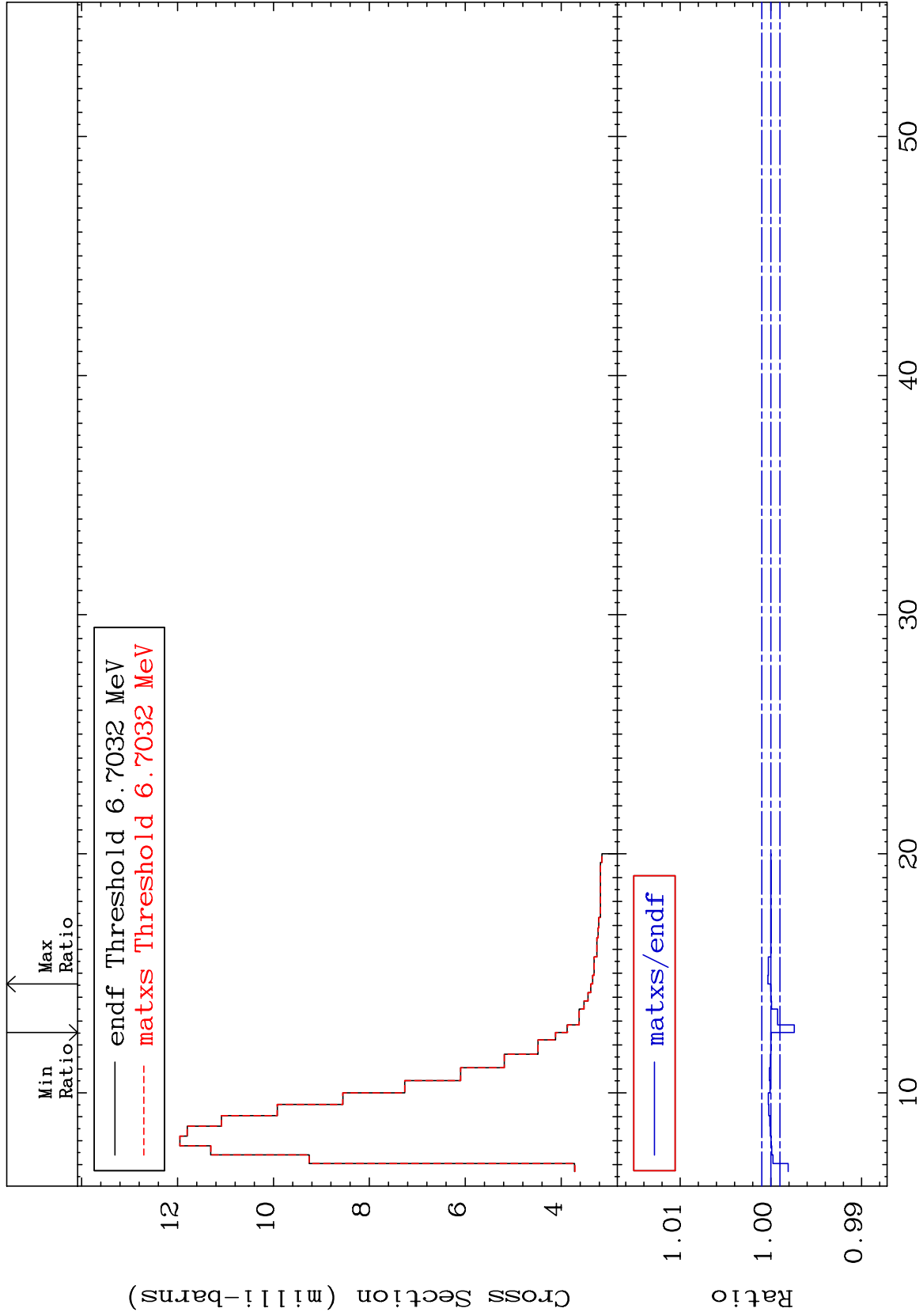
MAT 2025

6.543 MeV (n,n') Level
Cross Section

20-Ca-40
-0.324 To 0.139 %



MAT 2025 6.583 MeV (n,n') Level 20-Ca-40
Cross Section -0.259 To 0.031 %

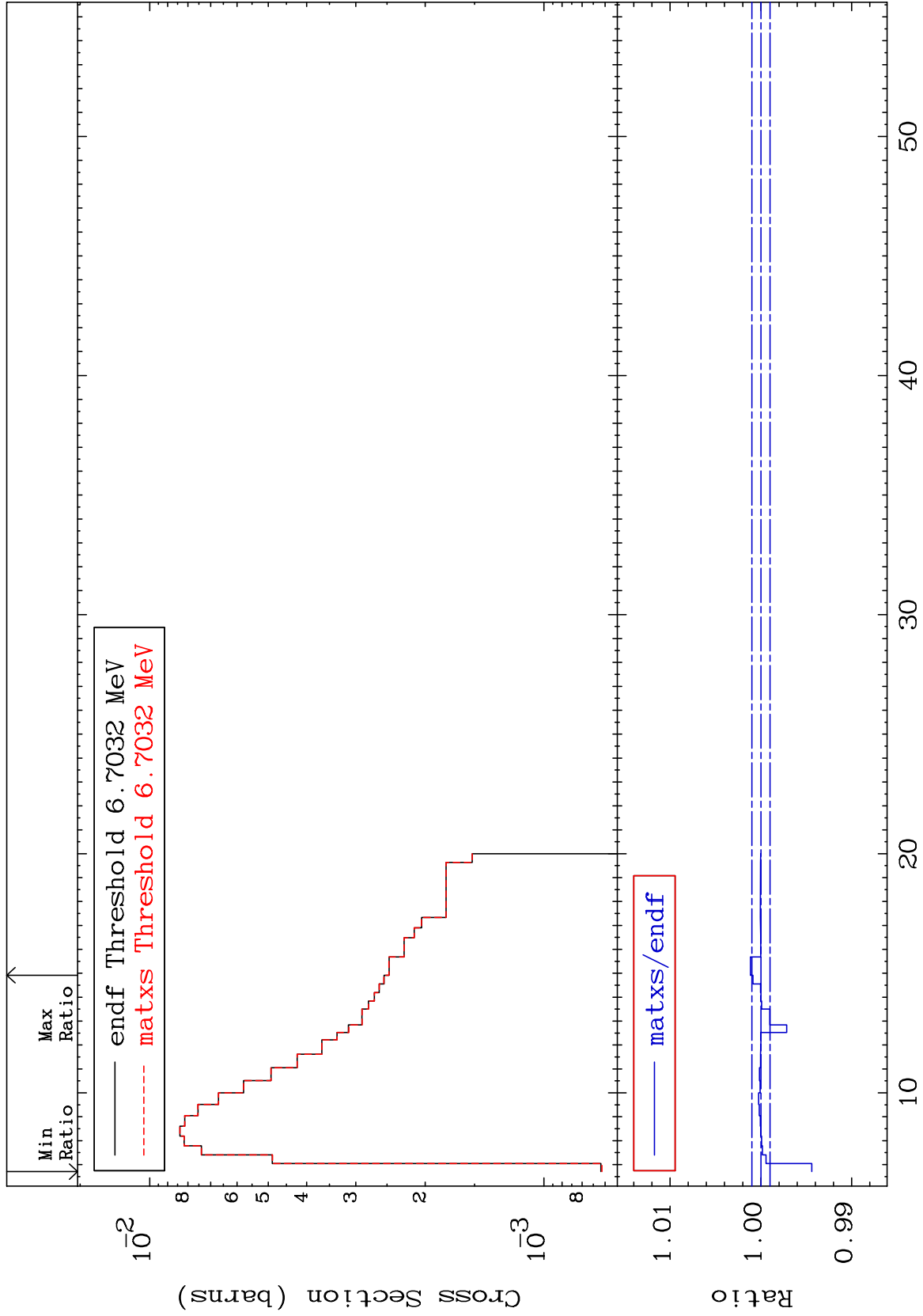


21 Incident Energy (MeV) 20-Ca-40

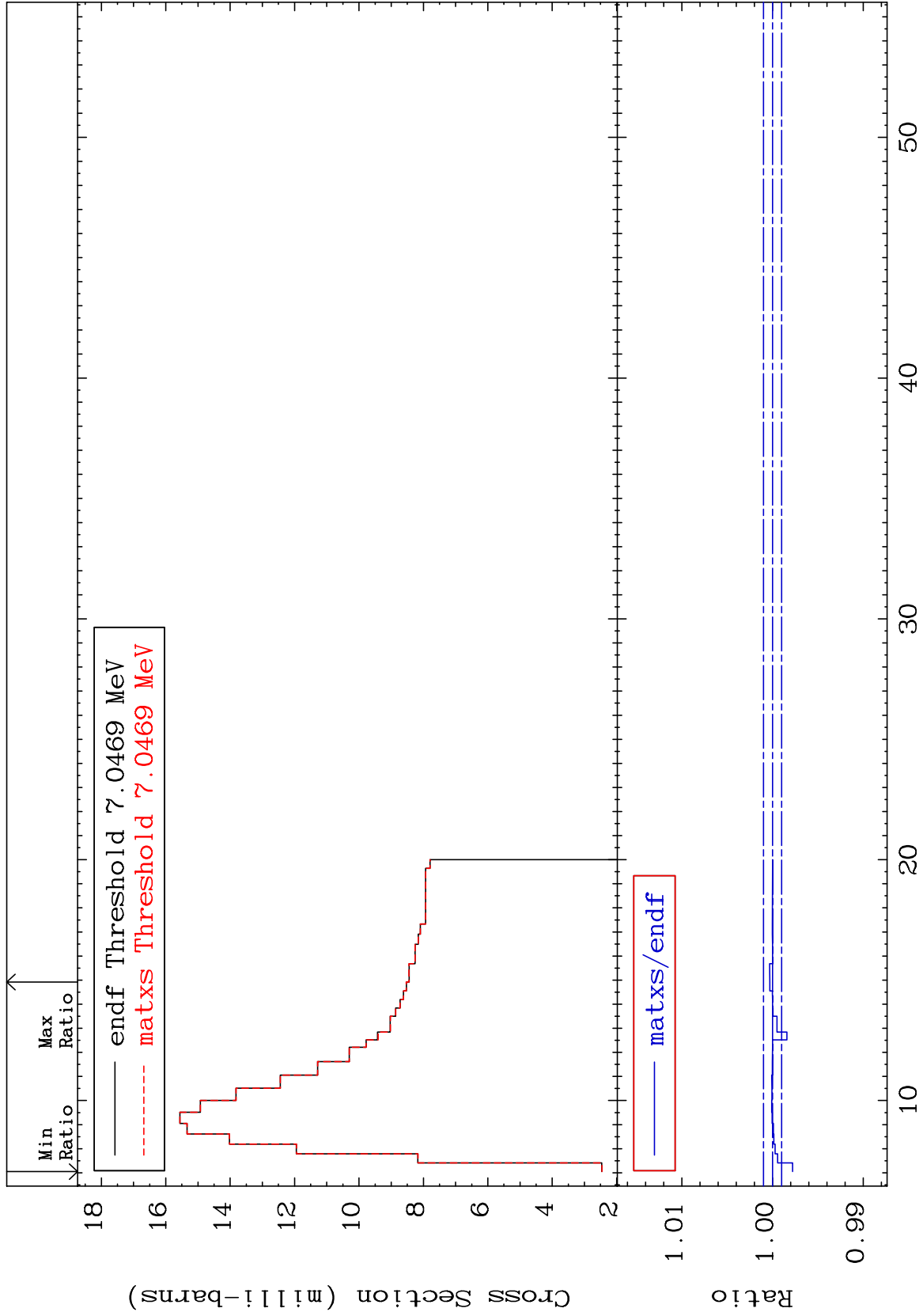
MAT 2025

6.750 MeV (n,n') Level
Cross Section

20-Ca-40
-0.560 To 0.114 %



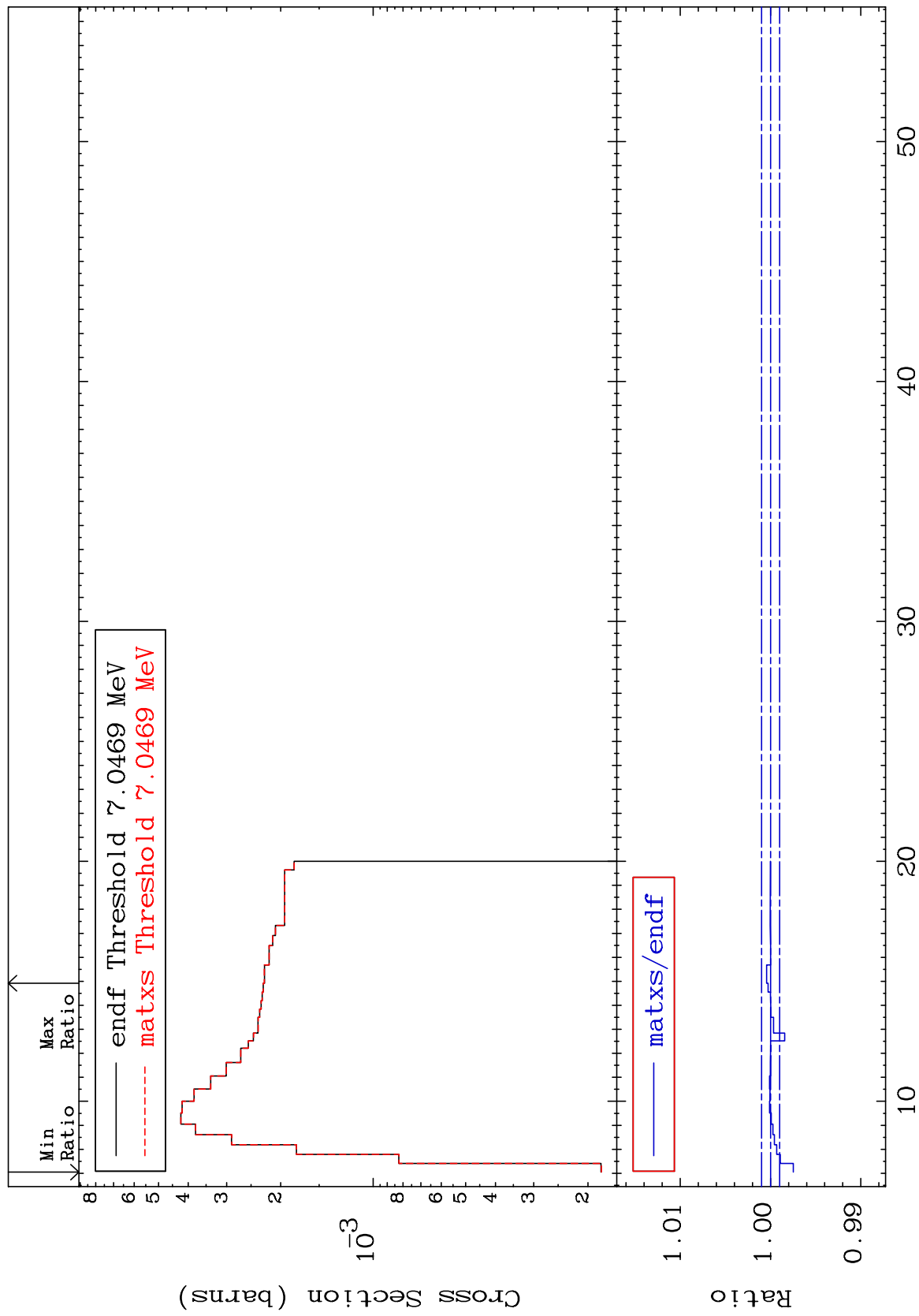
MAT 2025 6.909 MeV (n,n') Level 20-Ca-40
Cross Section -0.222 To 0.032 %



MAT 2025

6.930 MeV (n,n') Level
Cross Section

20-Ca-40
-0.253 To 0.044 %

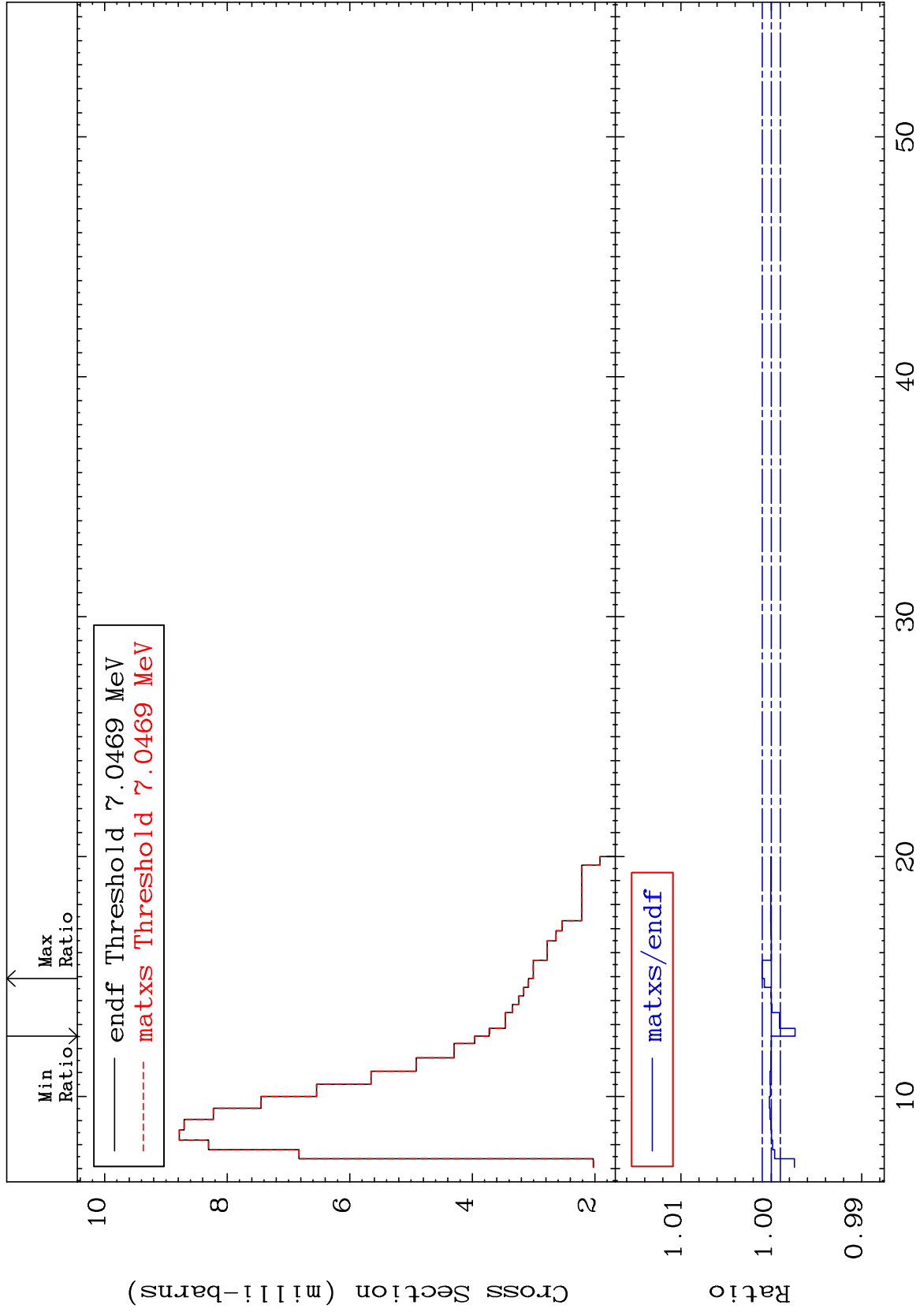


24

Incident Energy (MeV)

20-Ca-40

MAT 2025 6.931 MeV (n,n') Level
Cross Section -0.263 To 0.101 % 20-Ca-40

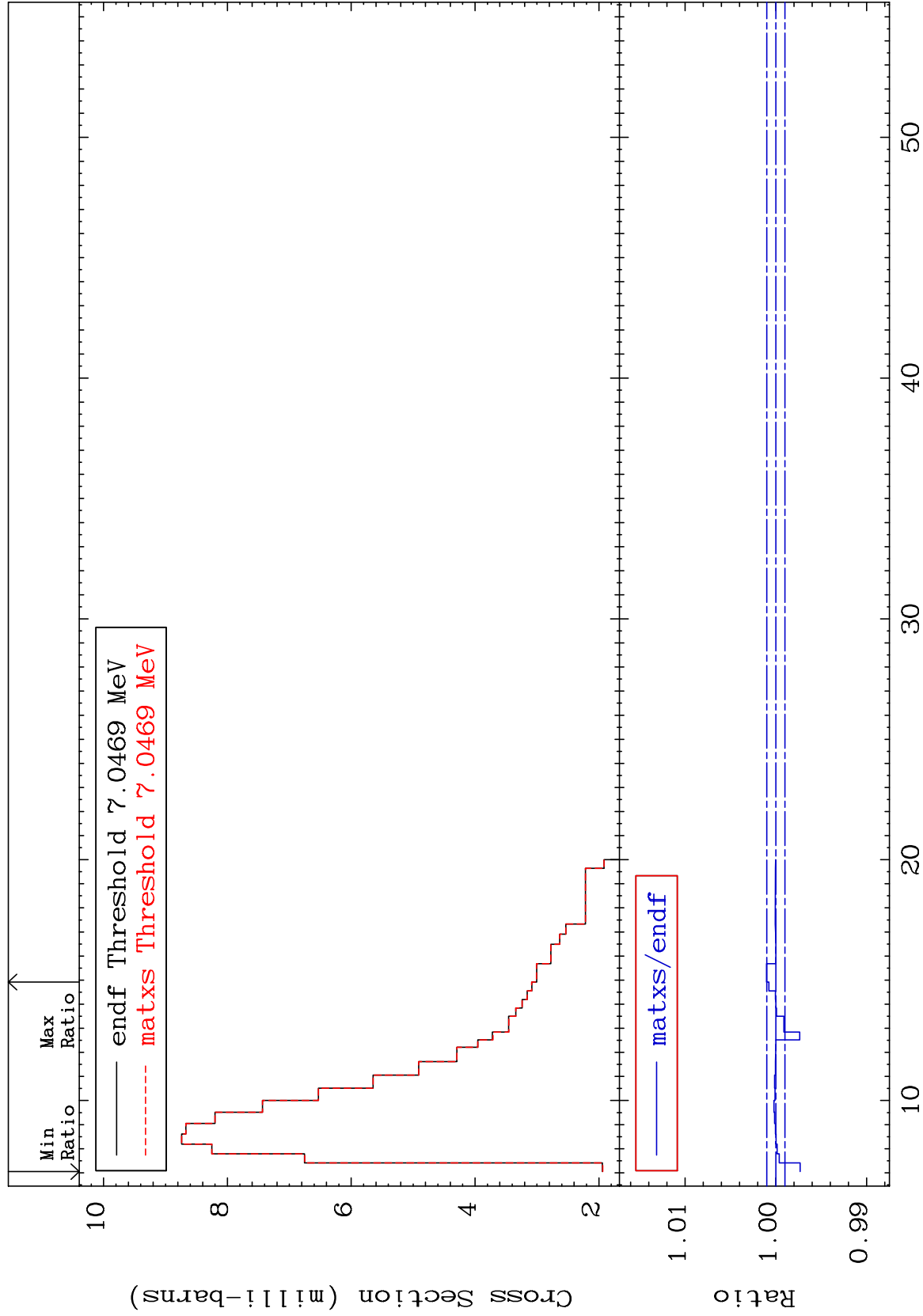


25 Incident Energy (MeV) 20-Ca-40

MAT 2025

6.938 MeV (n,n') Level
Cross Section

20-Ca-40
-0.268 To 0.101 %



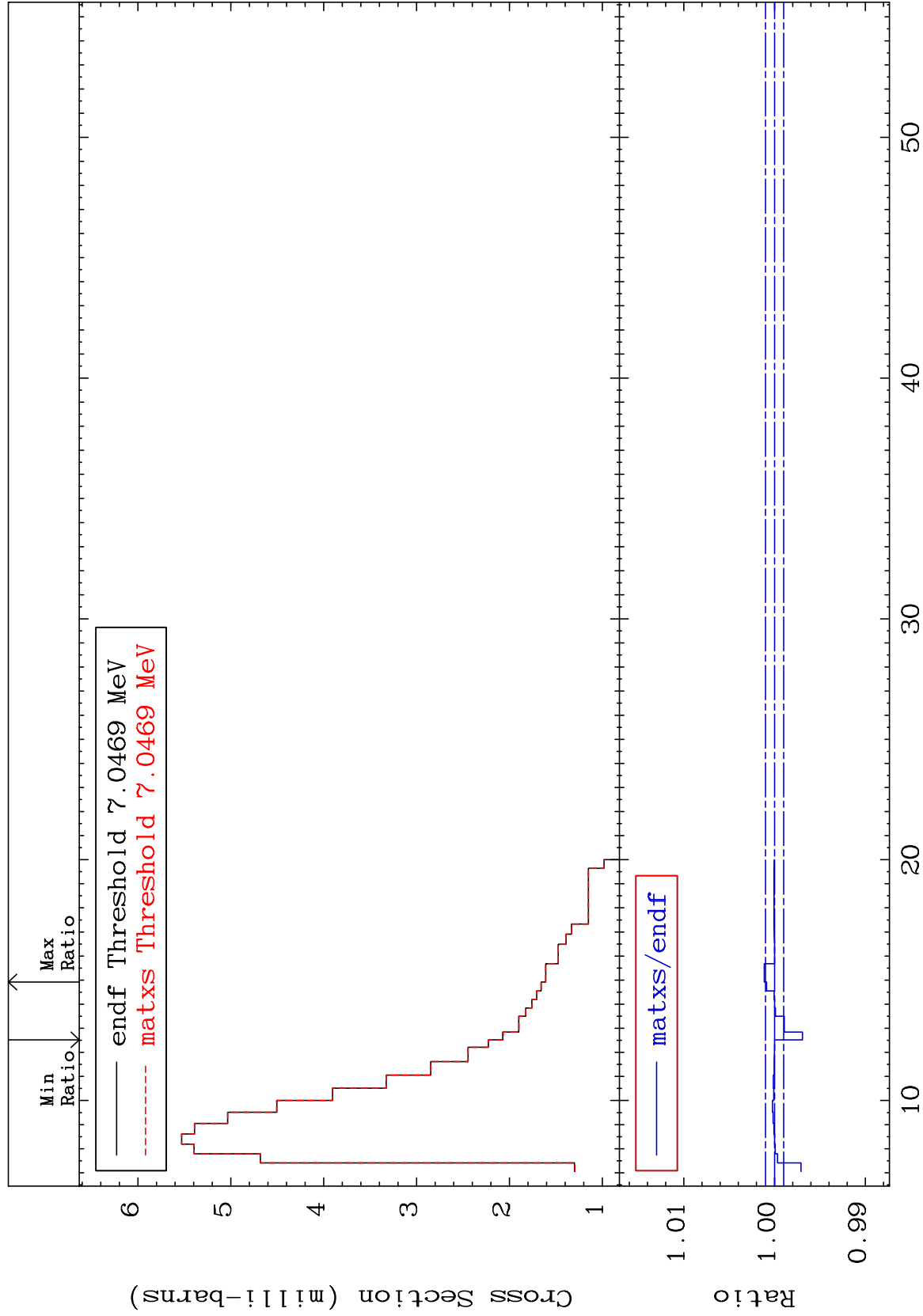
26

20-Ca-40

MAT 2025

6.951 MeV (n,n') Level
Cross Section

20-Ca-40
-0.308 To 0.114 %



27

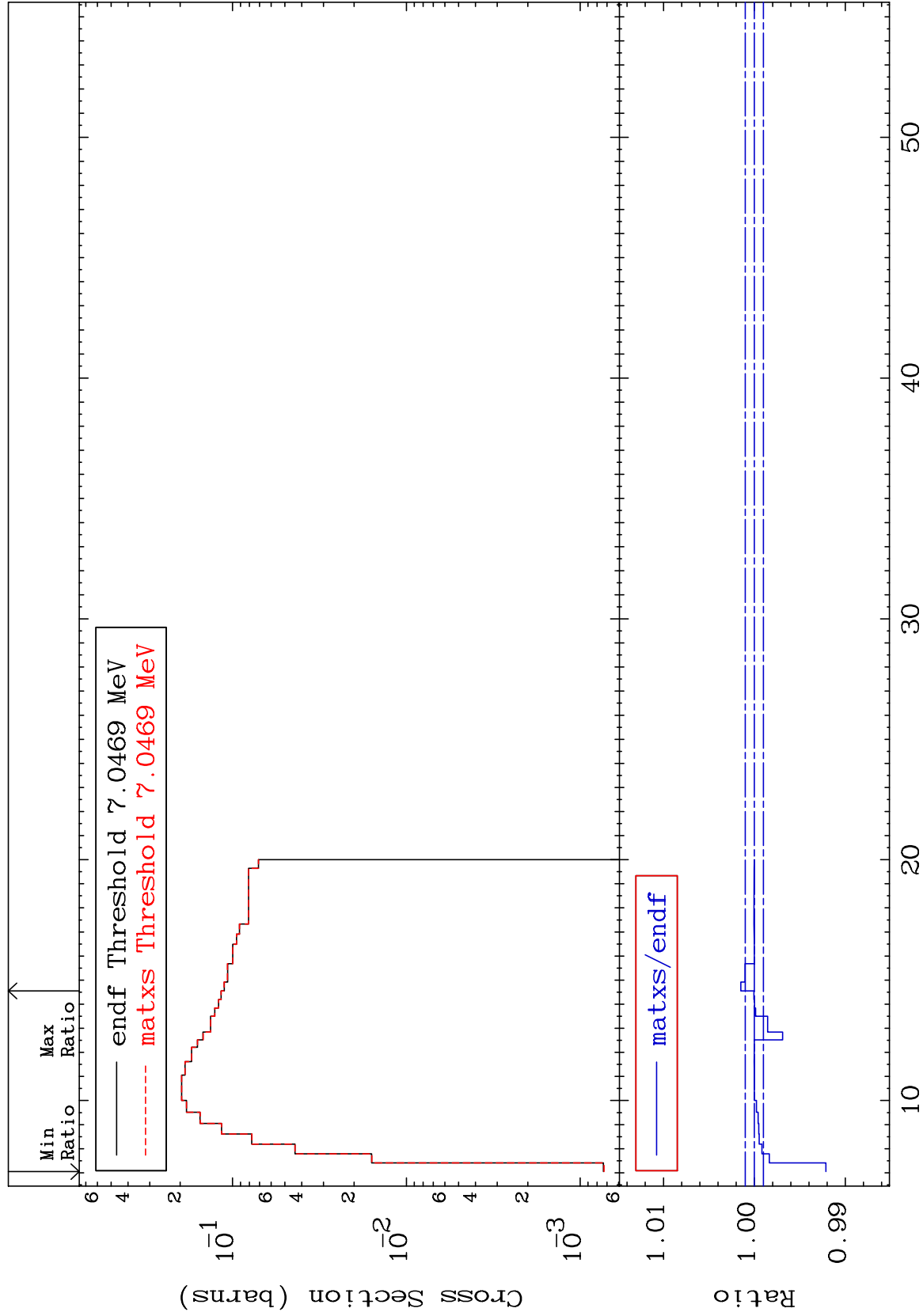
Incident Energy (MeV)

20-Ca-40

MAT 2025

(n,n') Continuum
Cross Section

20-Ca-40
-0.786 To 0.149 %



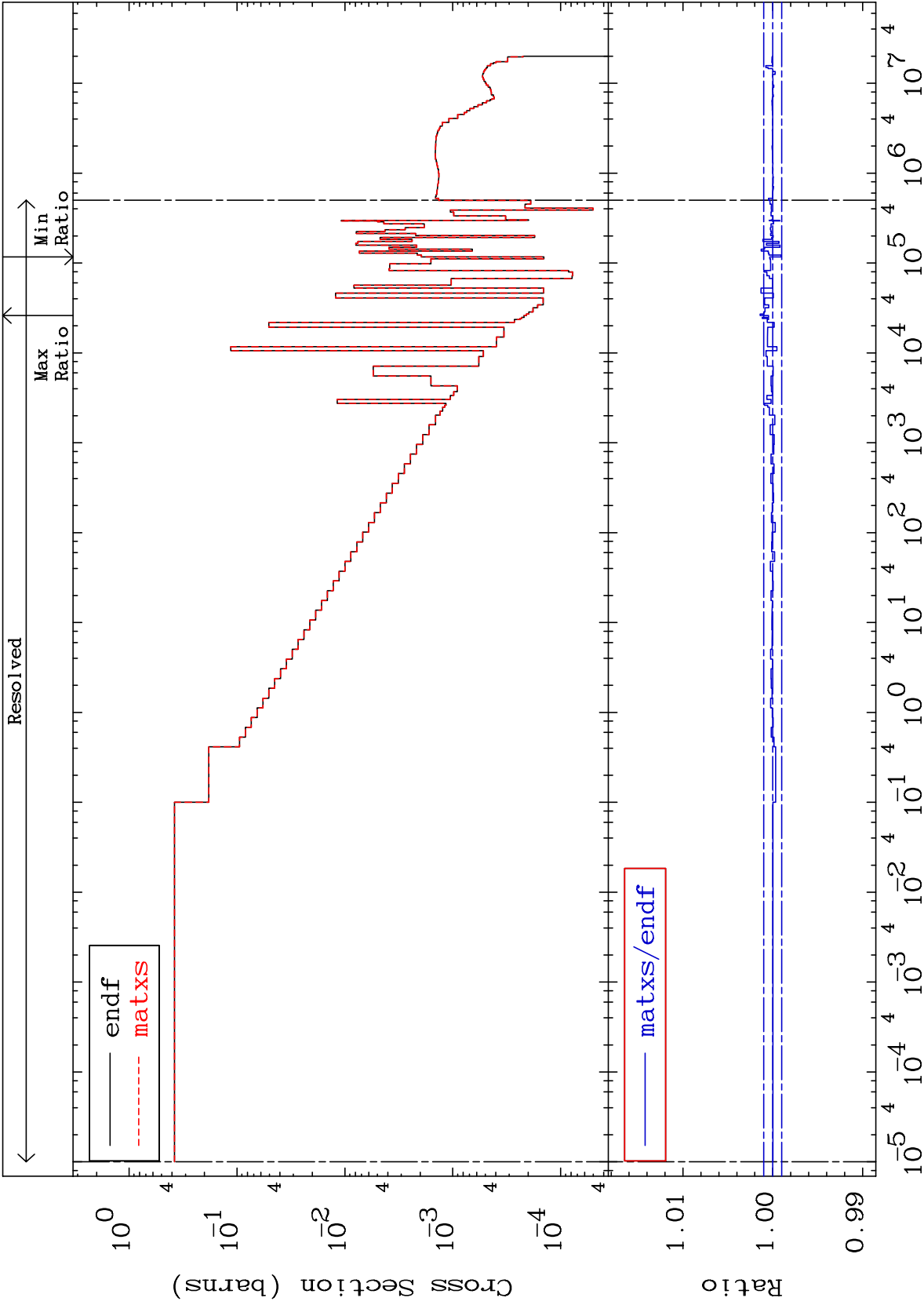
MAT 2025

(n, γ)

20-Ca-40

Cross Section

-0.095 To 0.140 %

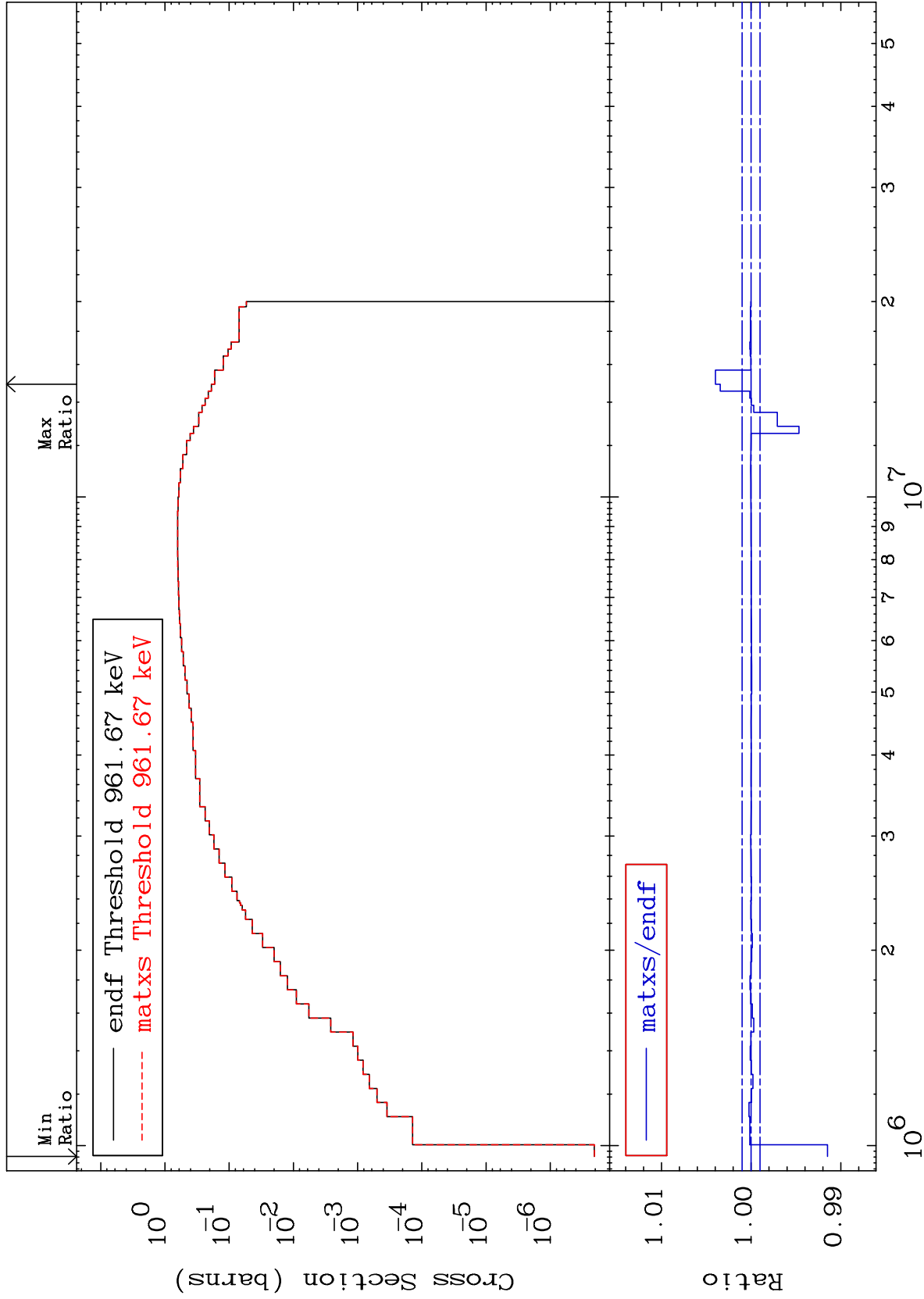


MAT 2025

(n,p)

Cross Section

20-Ca-40
-0.851 To 0.399 %



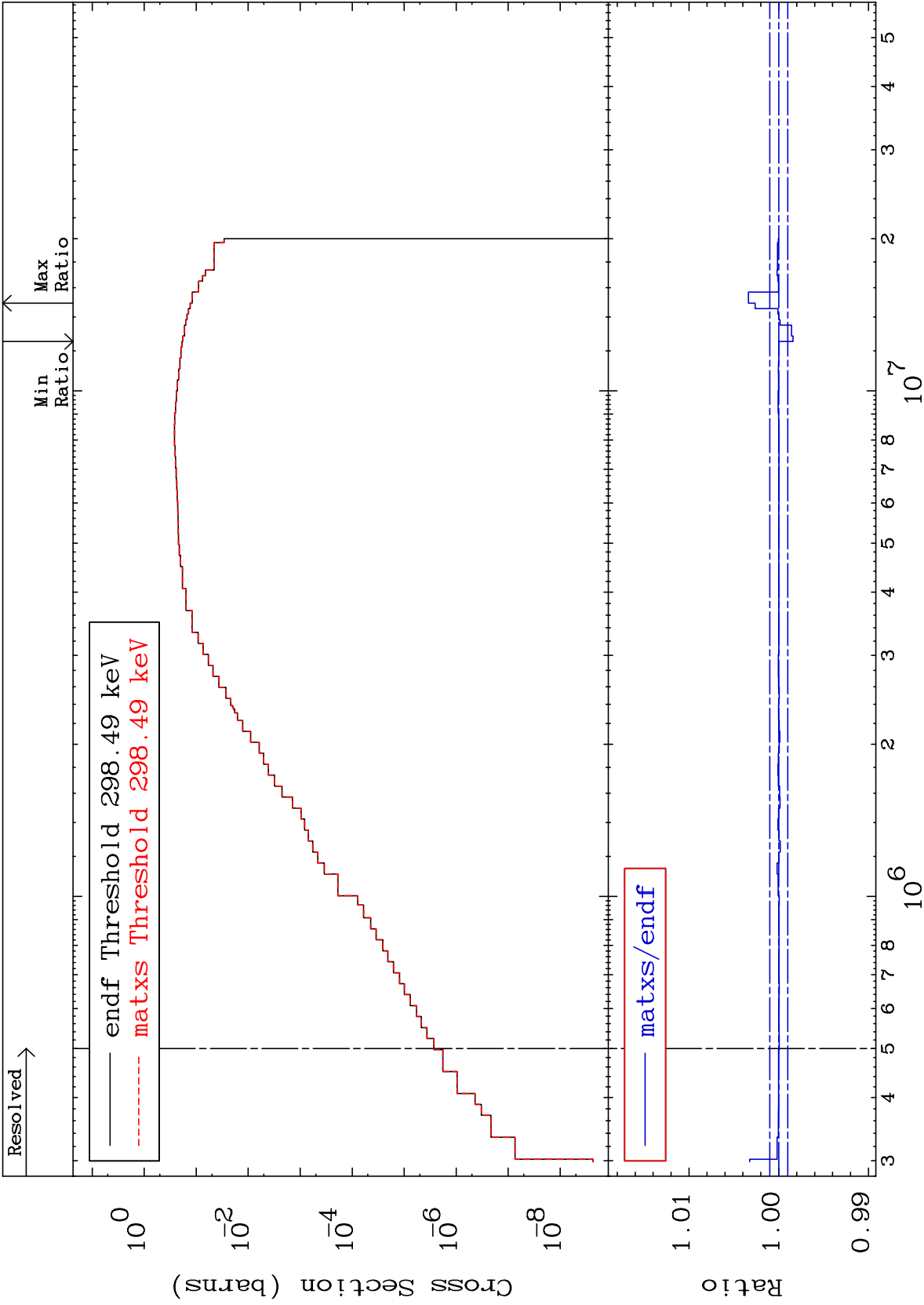
MAT 2025

(n, α)

20-Ca-40

Cross Section

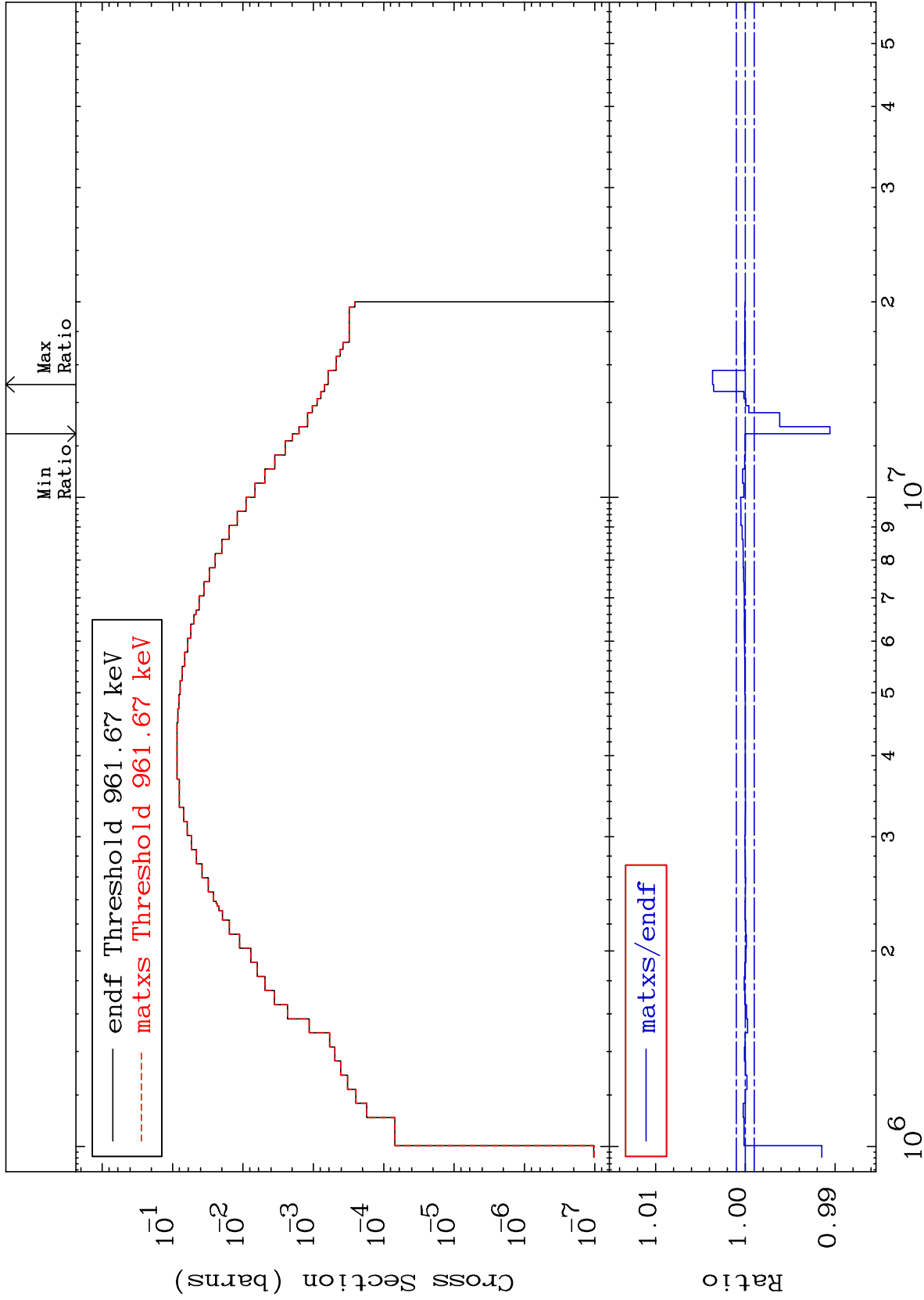
-0.159 To 0.338 %



MAT 2025

(n, p') Ground
Cross Section

20-Ca-40
-0.942 To 0.364 %



32

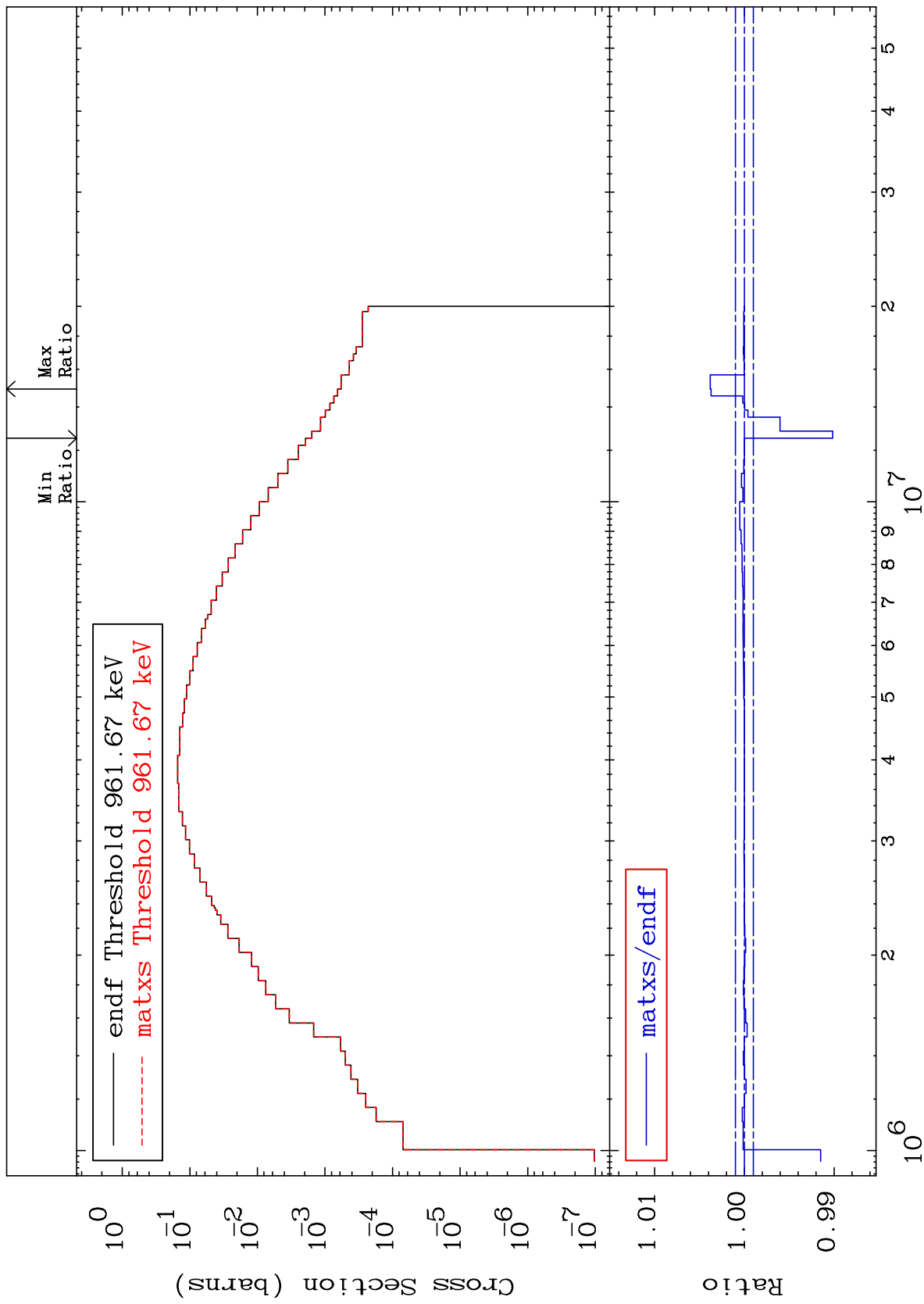
Incident Energy (eV)

20-Ca-40

MAT 2025

29.80 keV (n,p') Level
Cross Section

20-Ca-40
-0.984 To 0.381 %



33

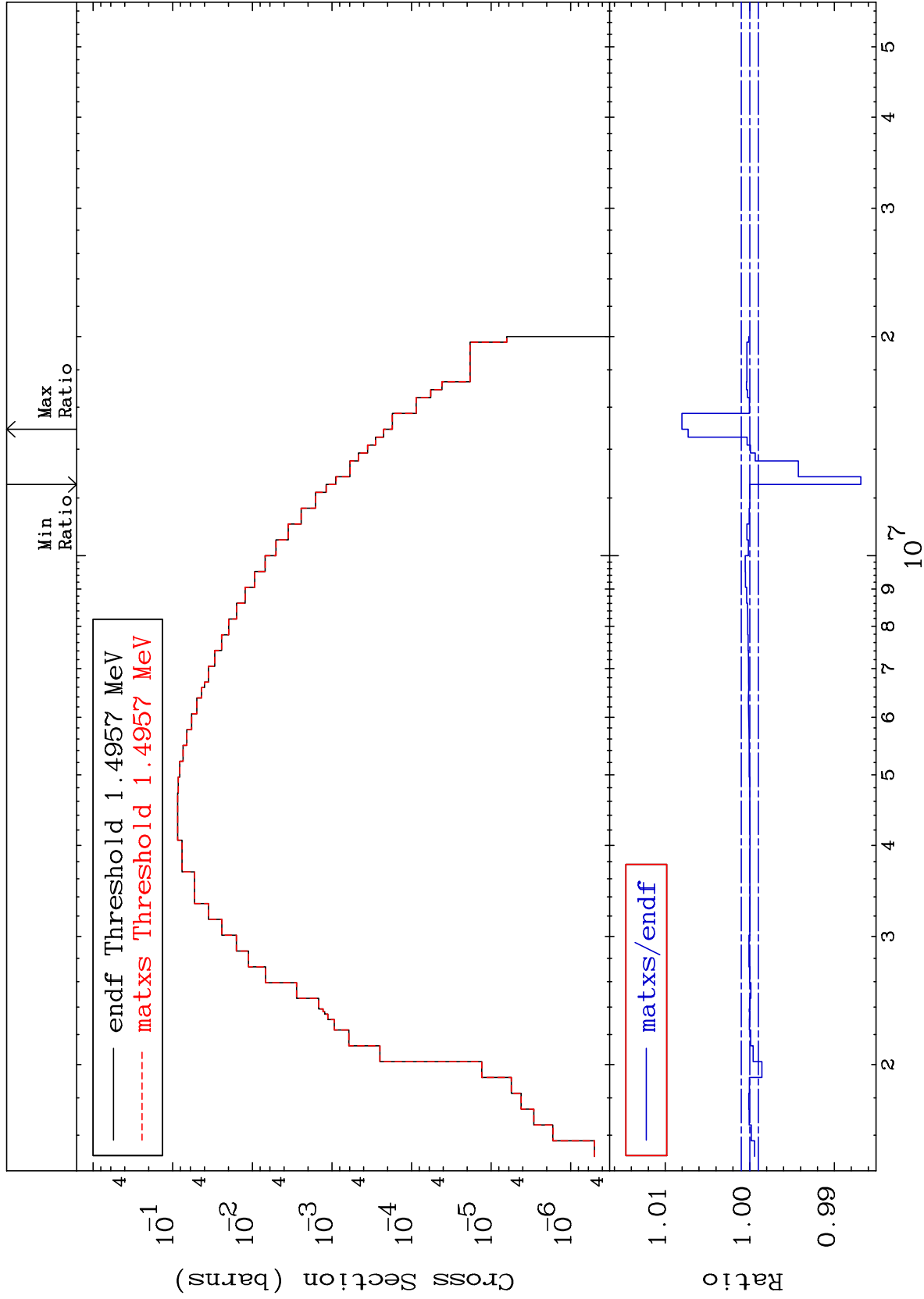
Incident Energy (eV)

20-Ca-40

MAT 2025

800.1 keV (n,p') Level
Cross Section

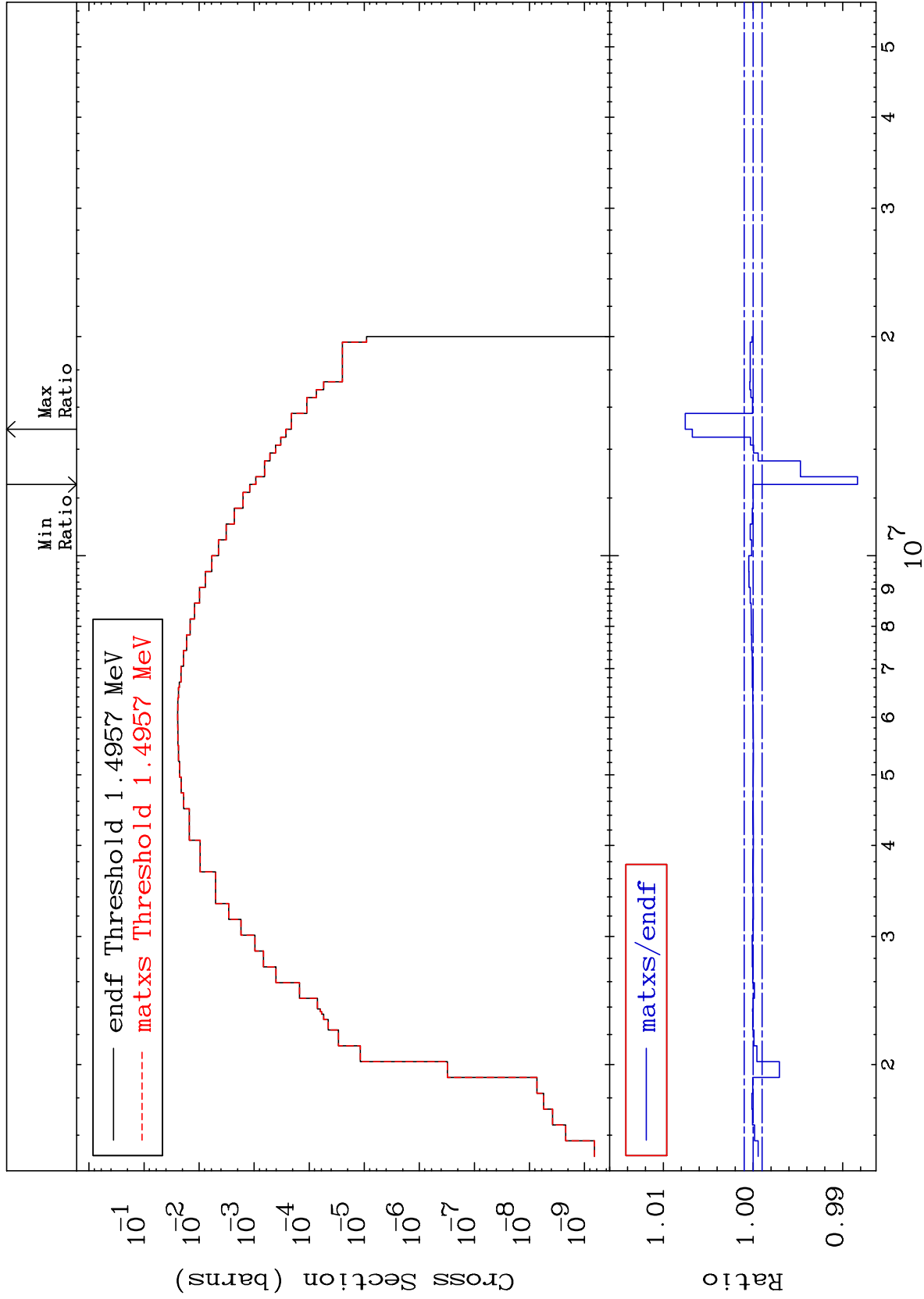
20-Ca-40
-1.313 To 0.802 %



MAT 2025

891.4 keV (n,p') Level
Cross Section

20-Ca-40
-1.166 To 0.757 %



35

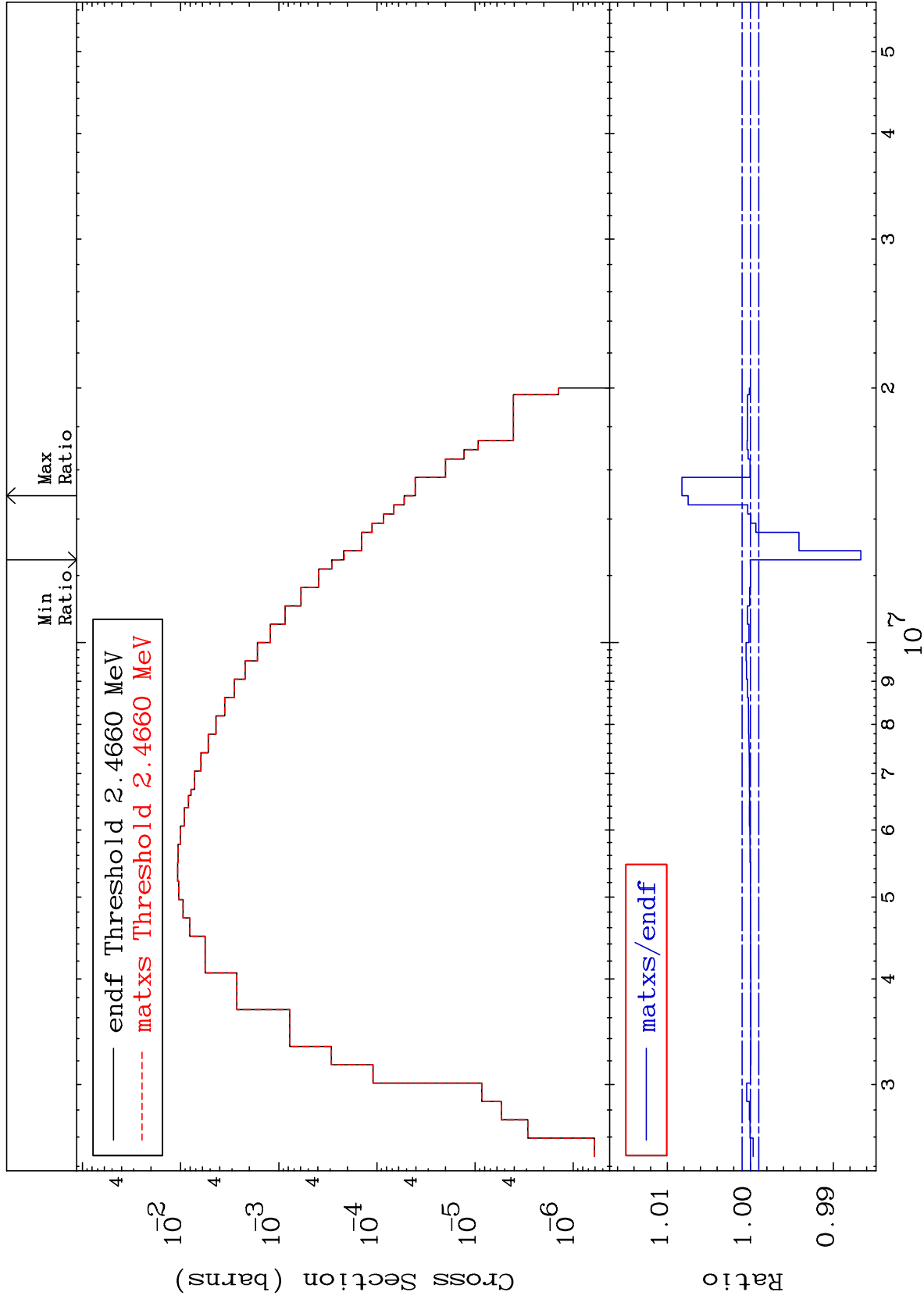
Incident Energy (eV)

20-Ca-40

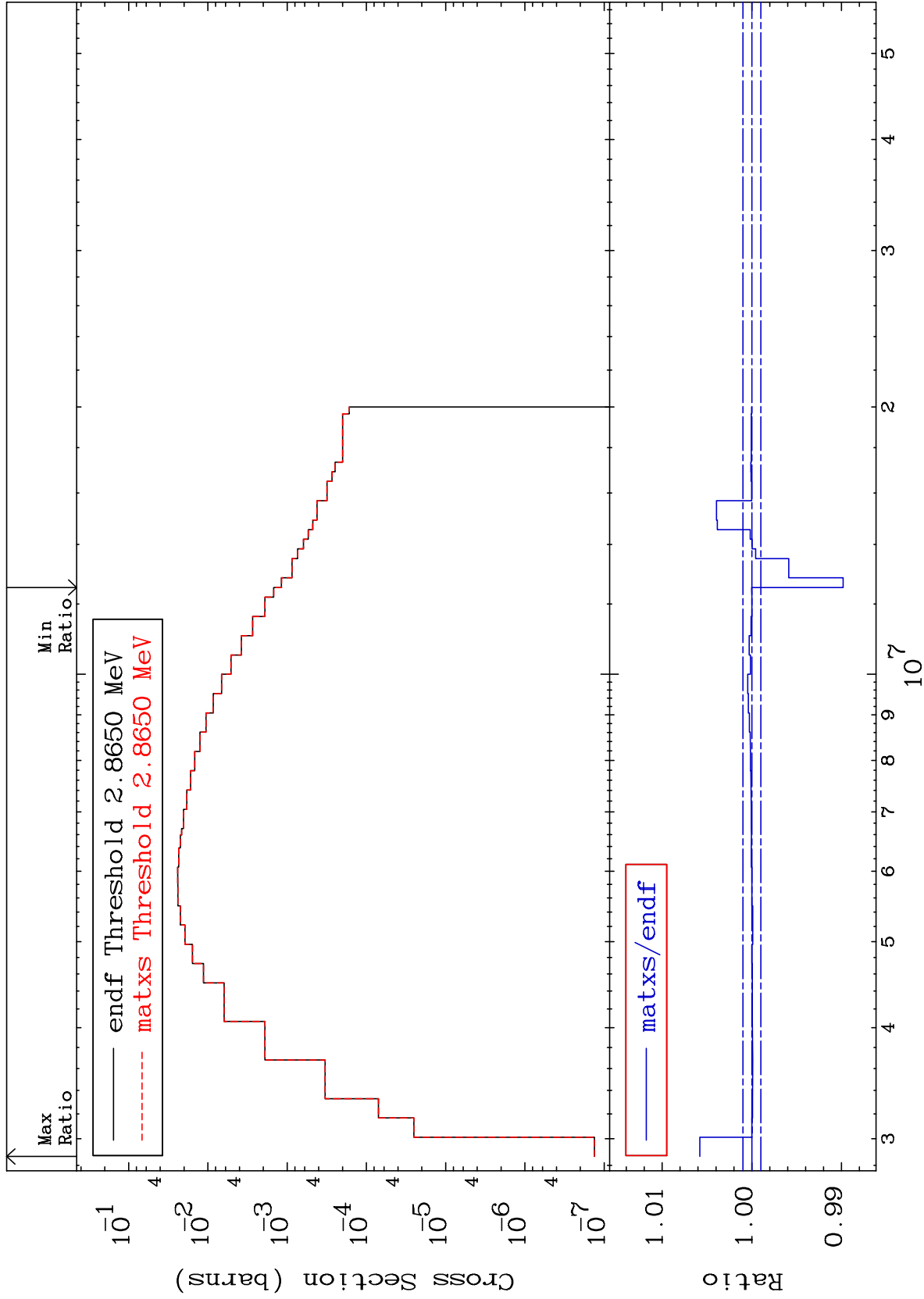
MAT 2025

1.644 MeV (n,p') Level
Cross Section

20-Ca-40
-1.330 To 0.824 %



MAT 2025 1.959 MeV (n,p') Level 20-Ca-40
 Cross Section -1.018 To 0.581 %



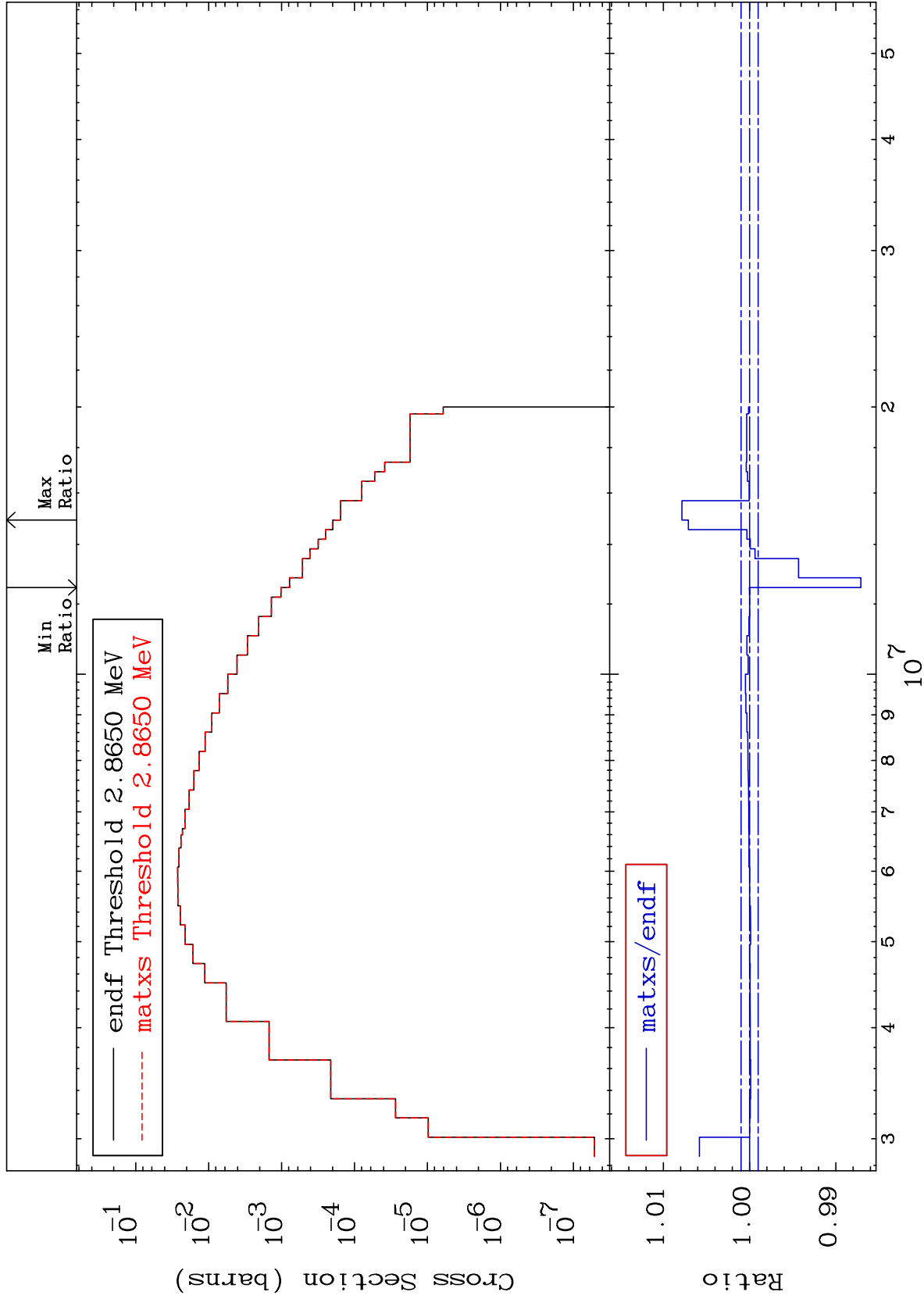
20-Ca-40

37

MAT 2025

2.047 MeV (n,p') Level
Cross Section

20-Ca-40
-1.289 To 0.784 %



38

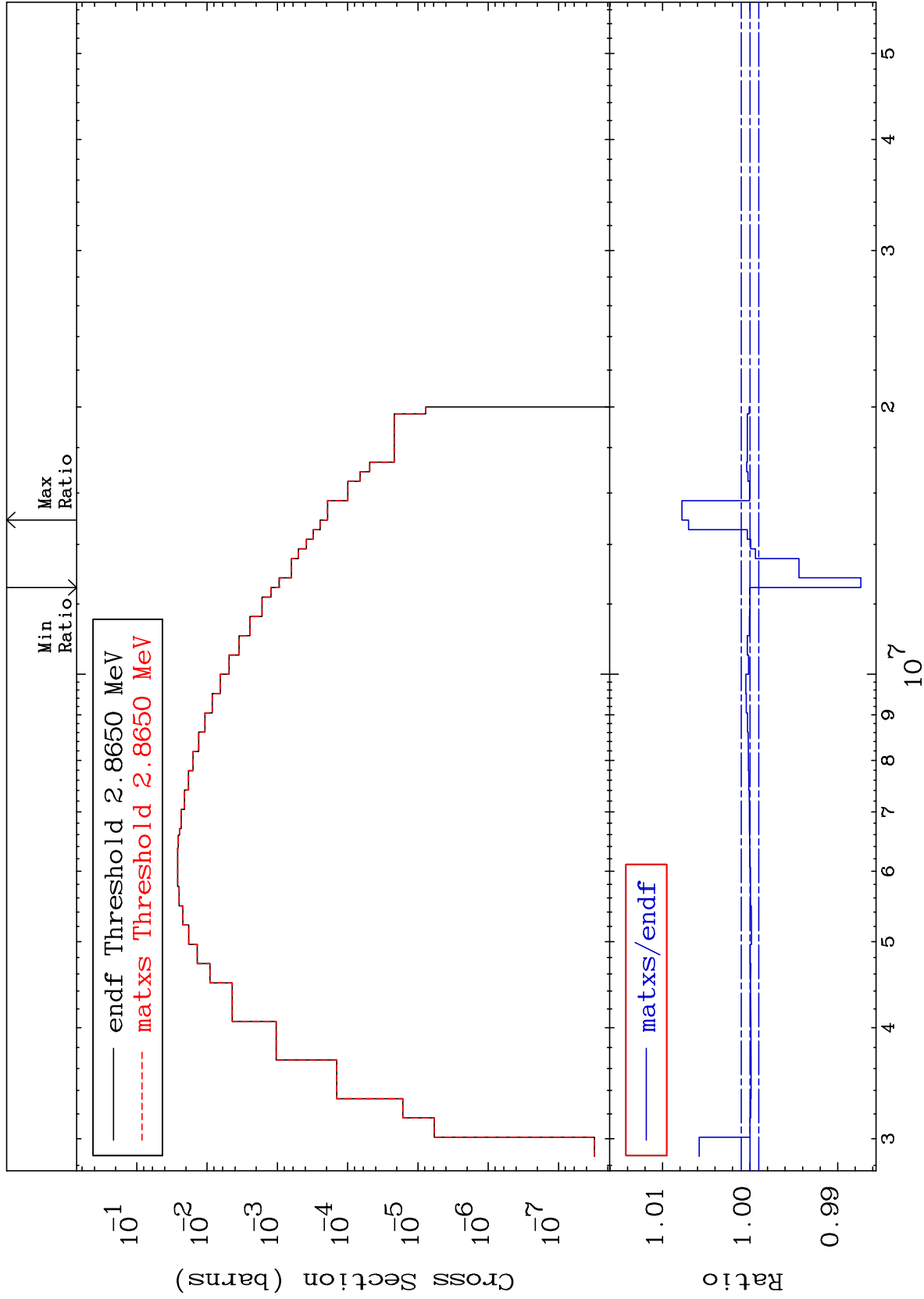
Incident Energy (eV)

20-Ca-40

MAT 2025

2.070 MeV (n,p') Level
Cross Section

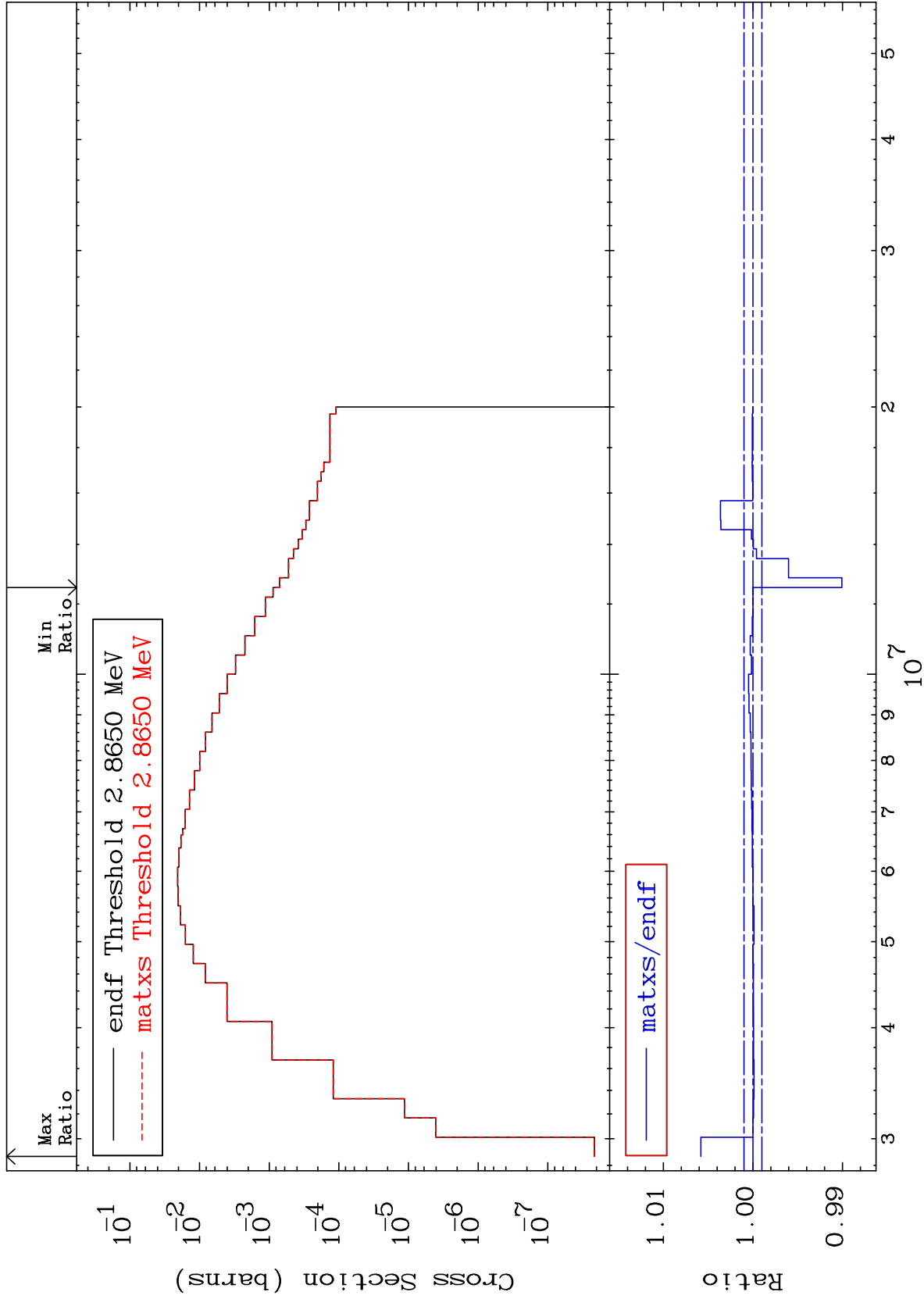
20-Ca-40
-1.265 To 0.778 %



MAT 2025

2.104 MeV (n,p') Level
Cross Section

20-Ca-40
-0.993 To 0.581 %



40

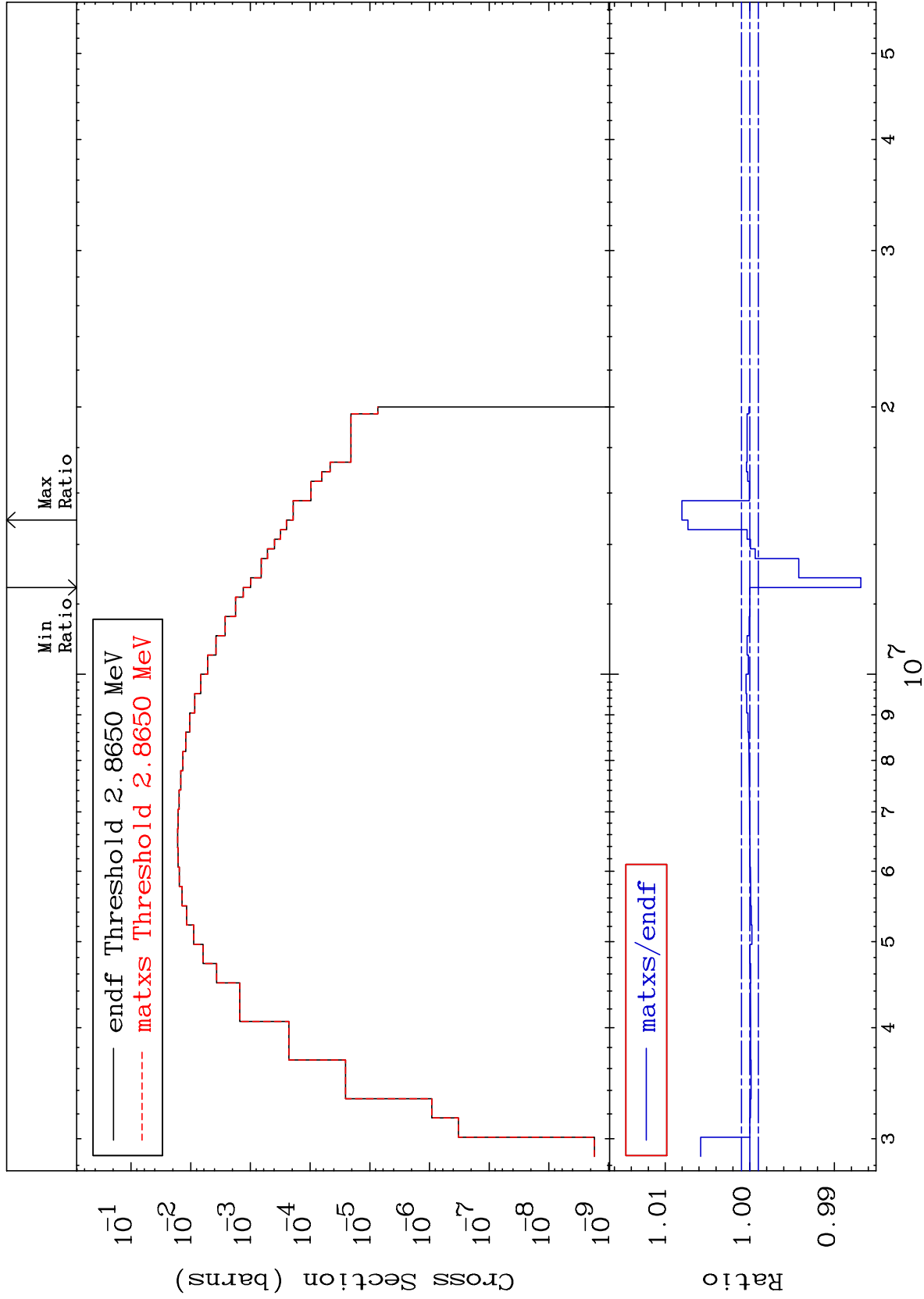
Incident Energy (eV)

20-Ca-40

MAT 2025

2.260 MeV (n,p') Level
Cross Section

20-Ca-40
-1.312 To 0.802 %

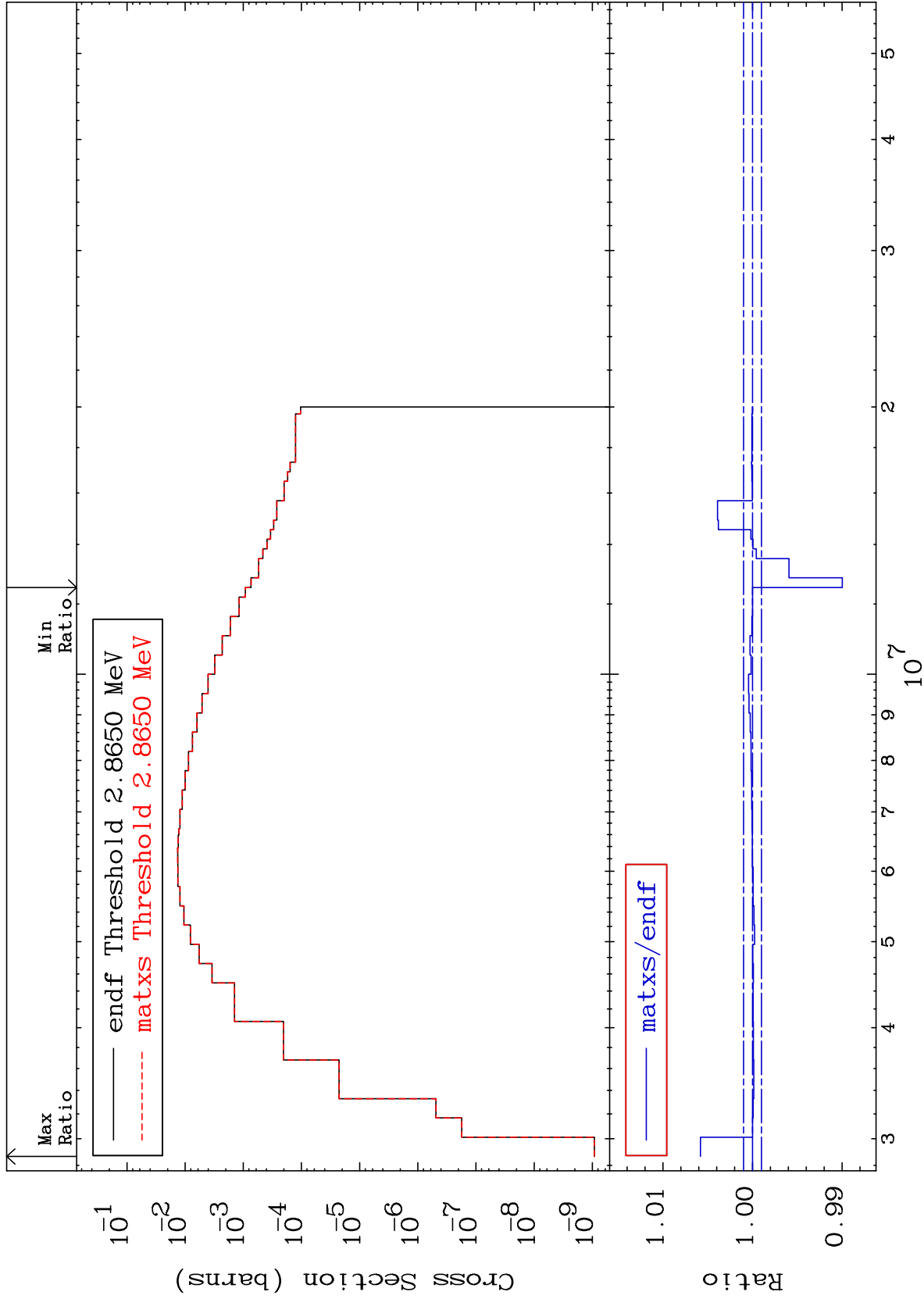


41

Incident Energy (eV)

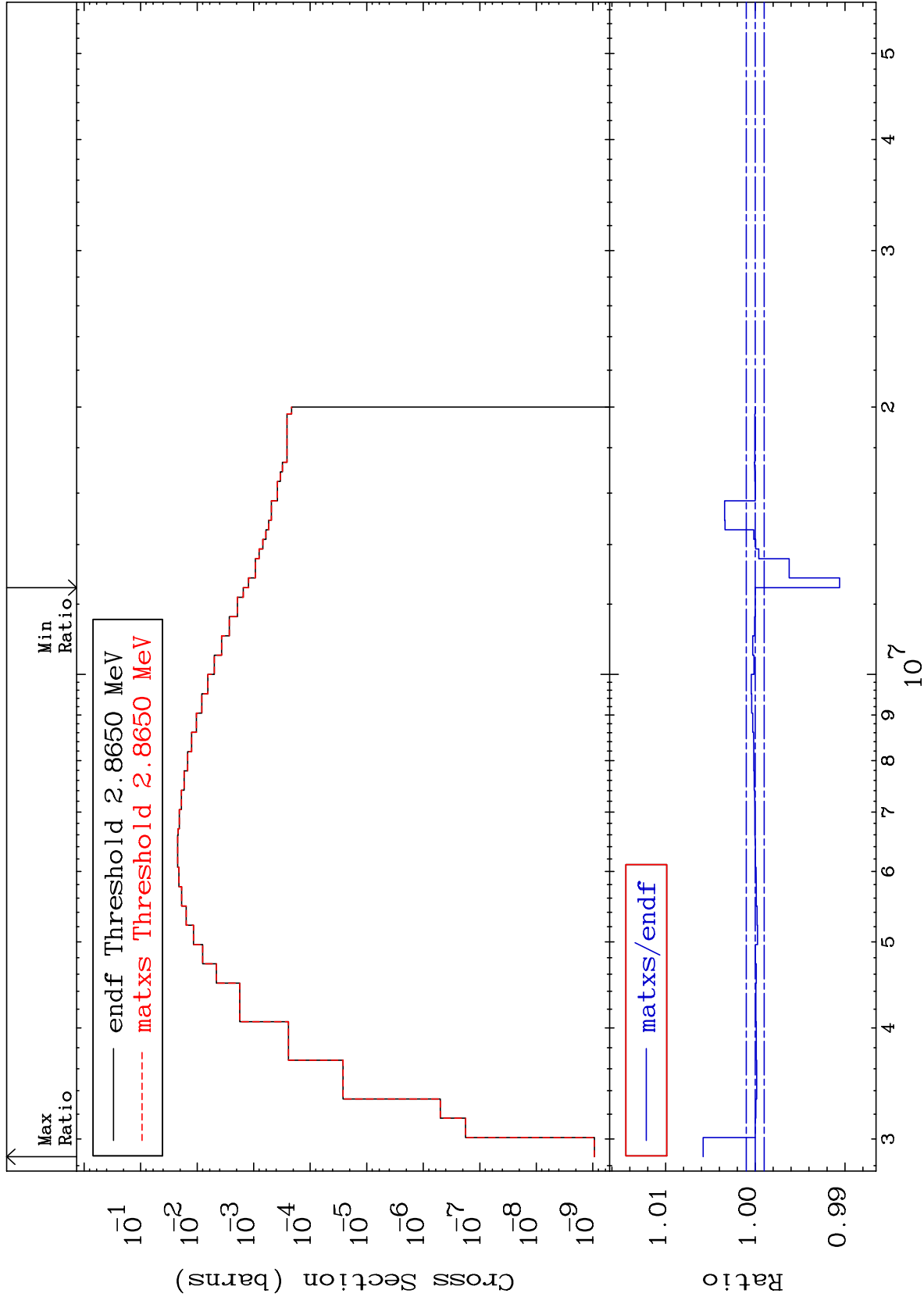
20-Ca-40

MAT 2025 2.290 MeV (n,p') Level 20-Ca-40
Cross Section -1.002 To 0.581 %



42 Incident Energy (eV) 20-Ca-40

MAT 2025 2.290 MeV (n,p') Level 20-Ca-40
 Cross Section -0.940 To 0.581 %

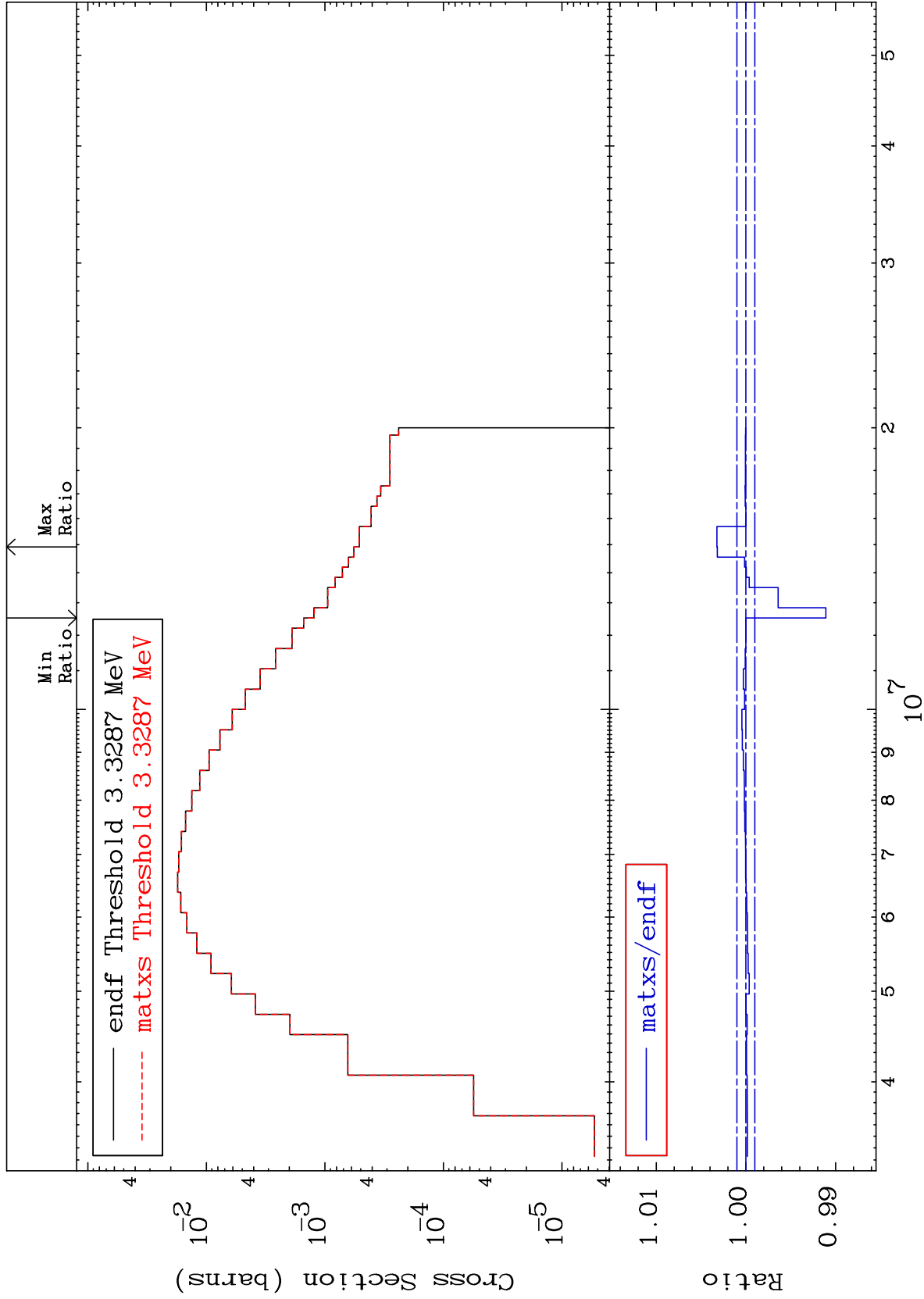


43 Incident Energy (eV) 20-Ca-40

MAT 2025

2.397 MeV (n,p') Level
Cross Section

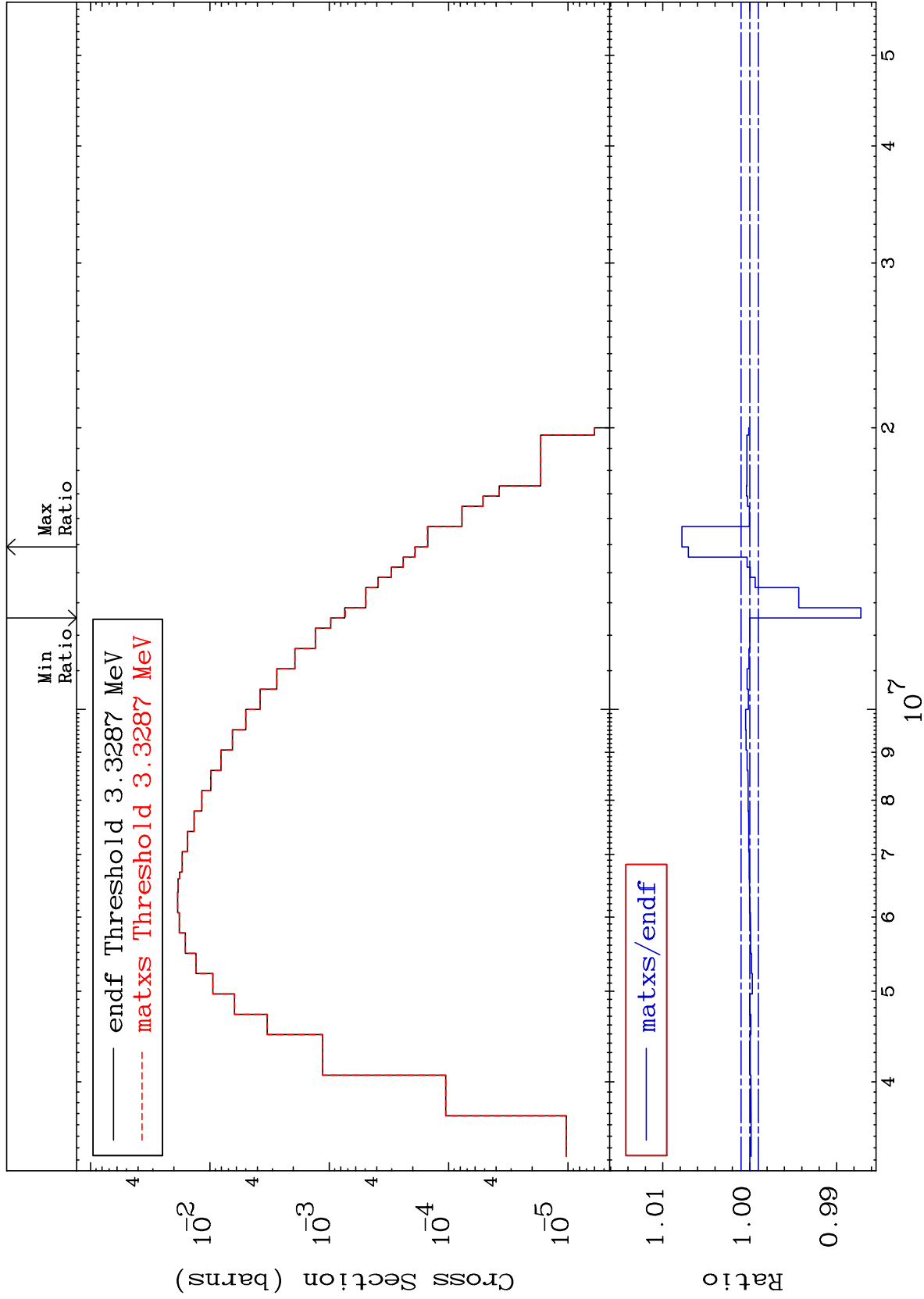
20-Ca-40
-0.891 To 0.322 %



MAT 2025

2.419 MeV (n,p') Level
Cross Section

20-Ca-40
-1.278 To 0.780 %



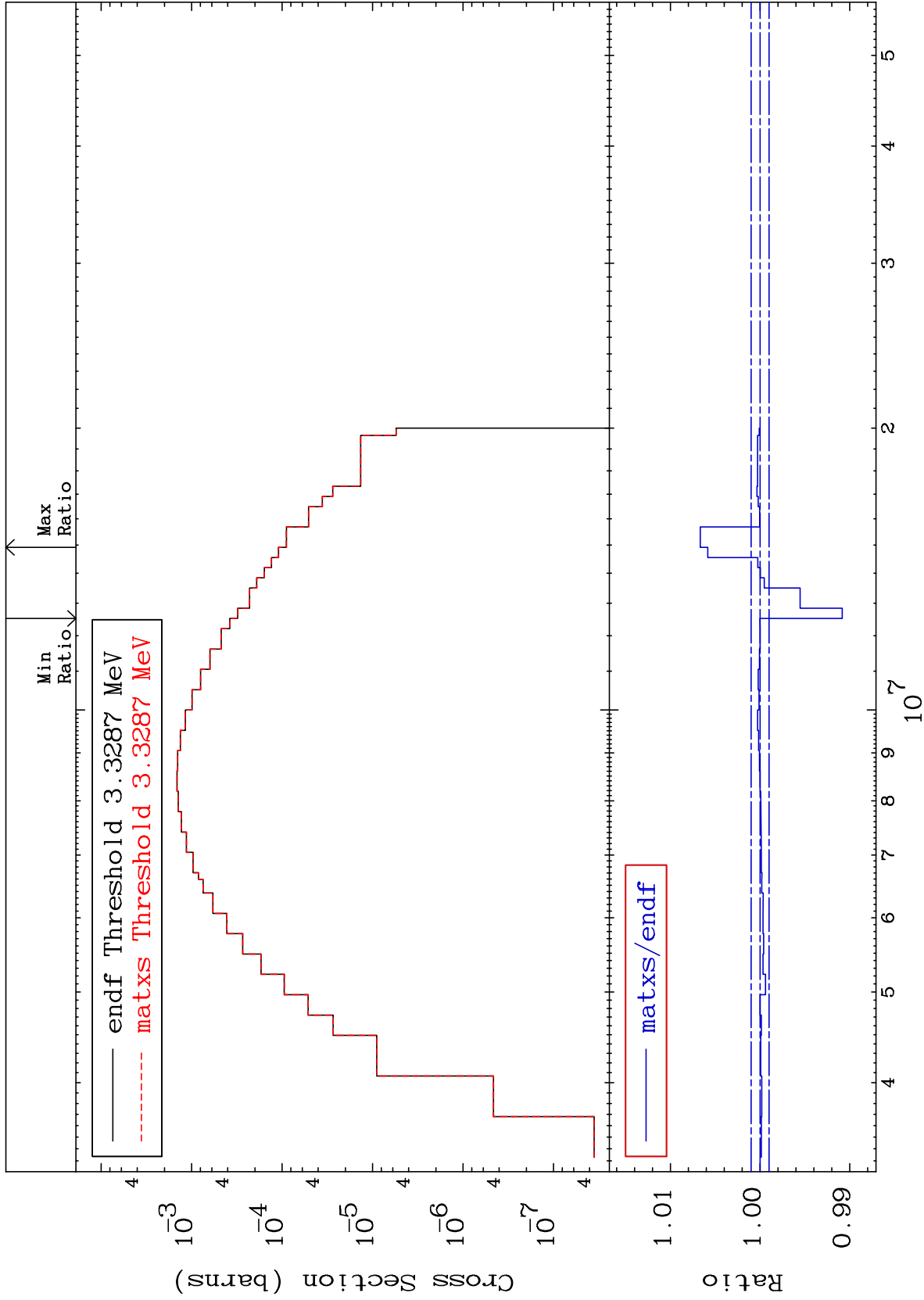
45

20-Ca-40

MAT 2025

2.543 MeV (n,p') Level
Cross Section

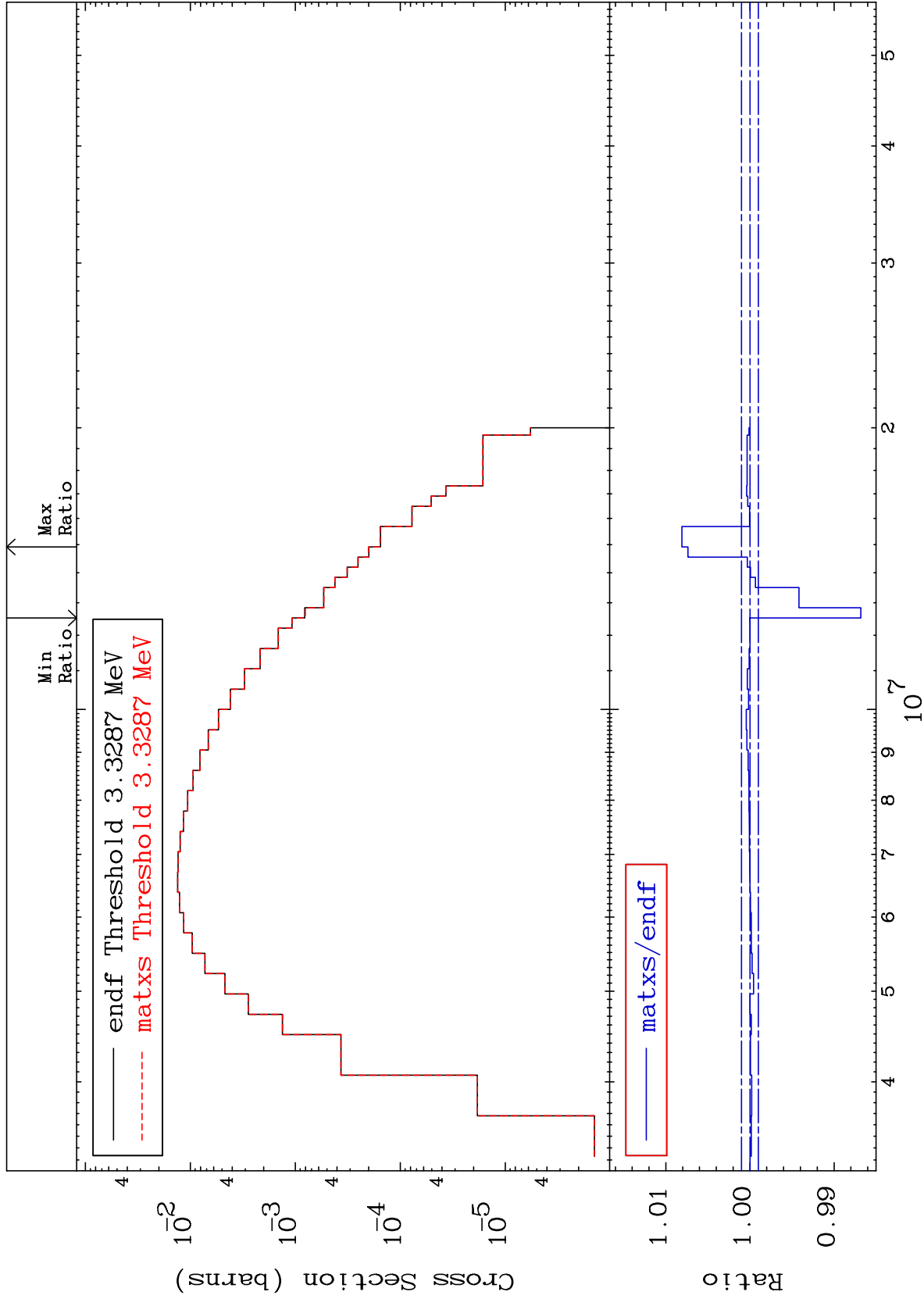
20-Ca-40
-0.917 To 0.667 %



MAT 2025

2.576 MeV (n,p') Level
Cross Section

20-Ca-40
-1.318 To 0.809 %



47

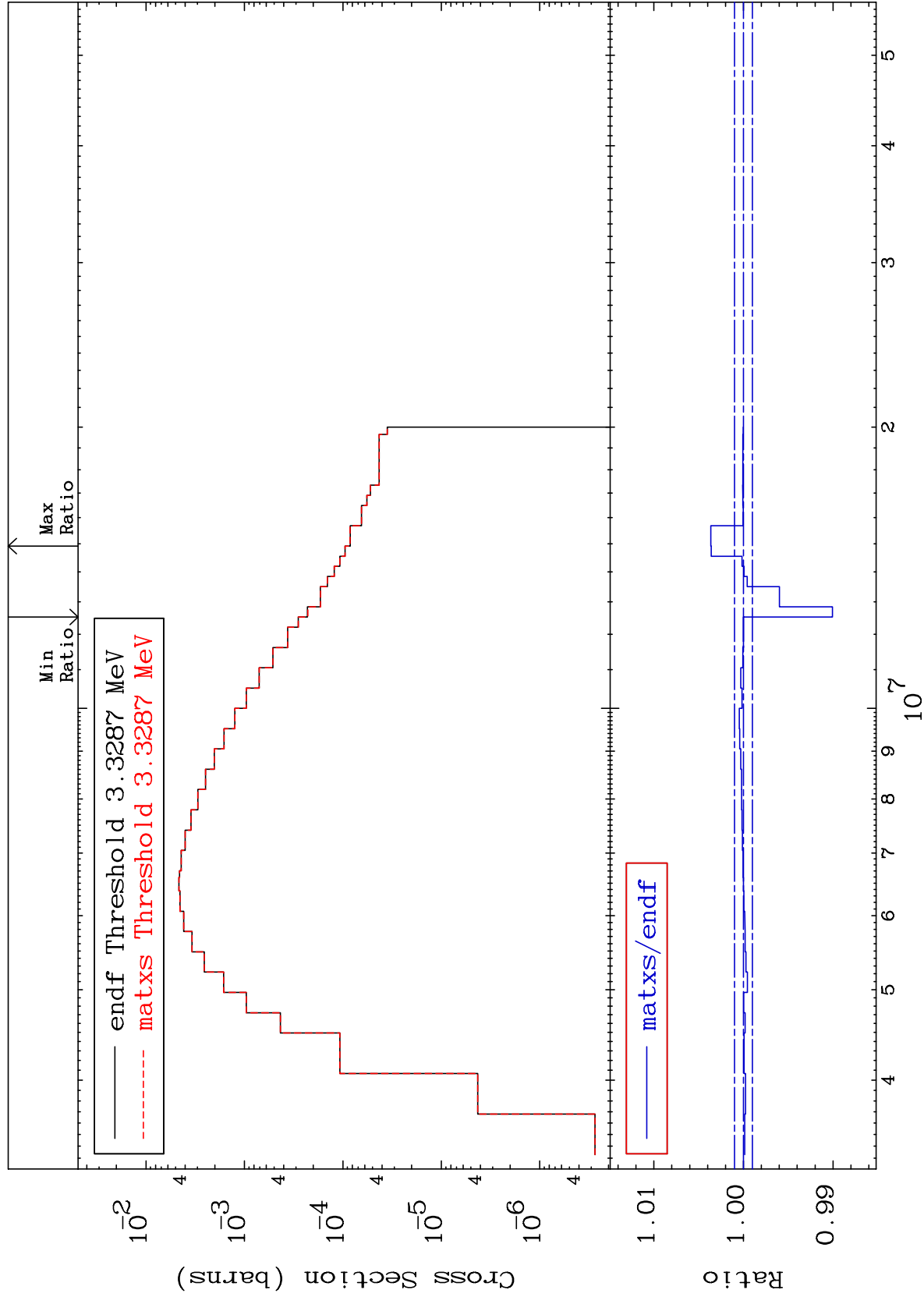
Incident Energy (eV)

20-Ca-40

MAT 2025

2.626 MeV (n,p') Level
Cross Section

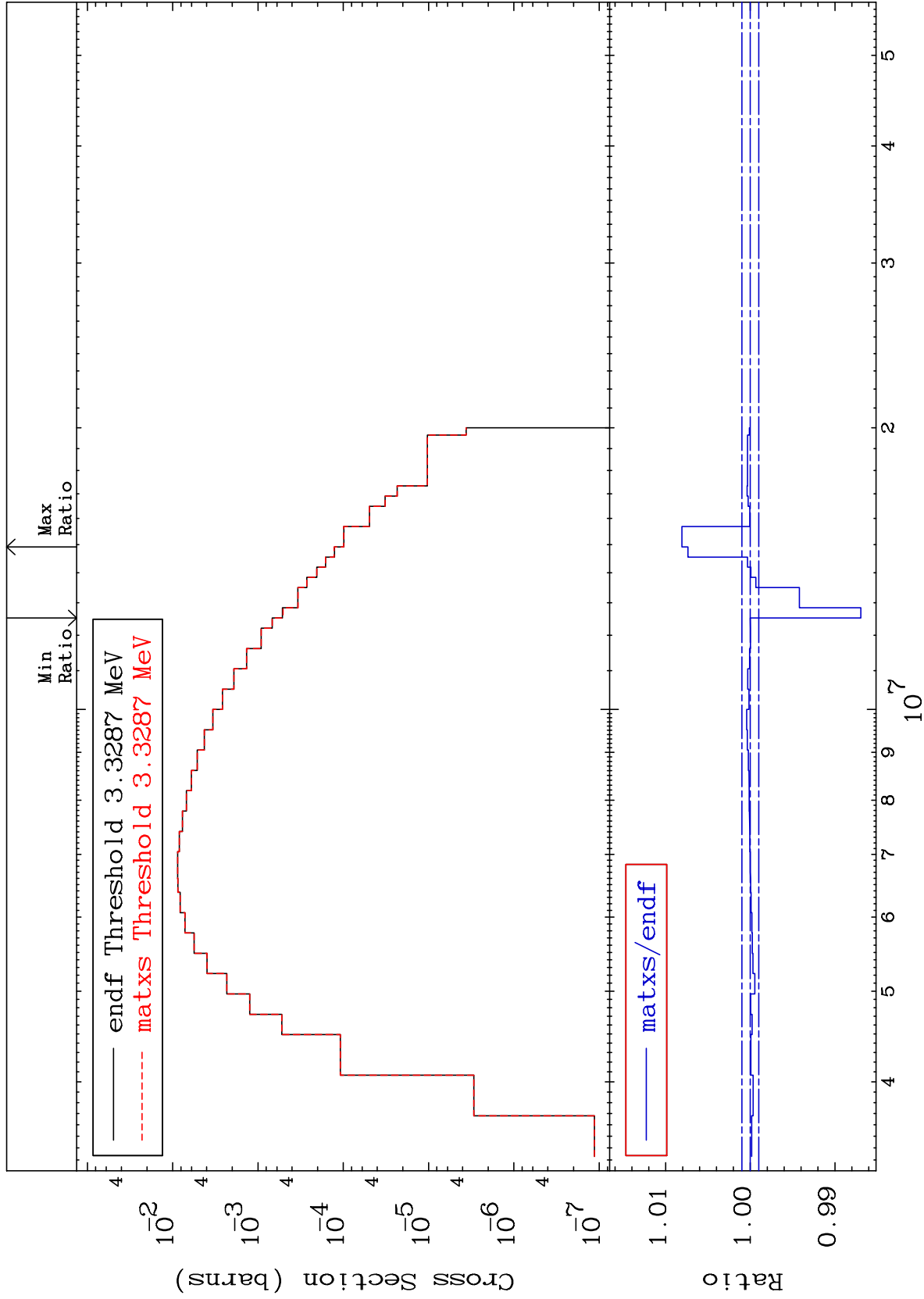
20-Ca-40
-0.994 To 0.364 %



MAT 2025

2.730 MeV (n,p') Level
Cross Section

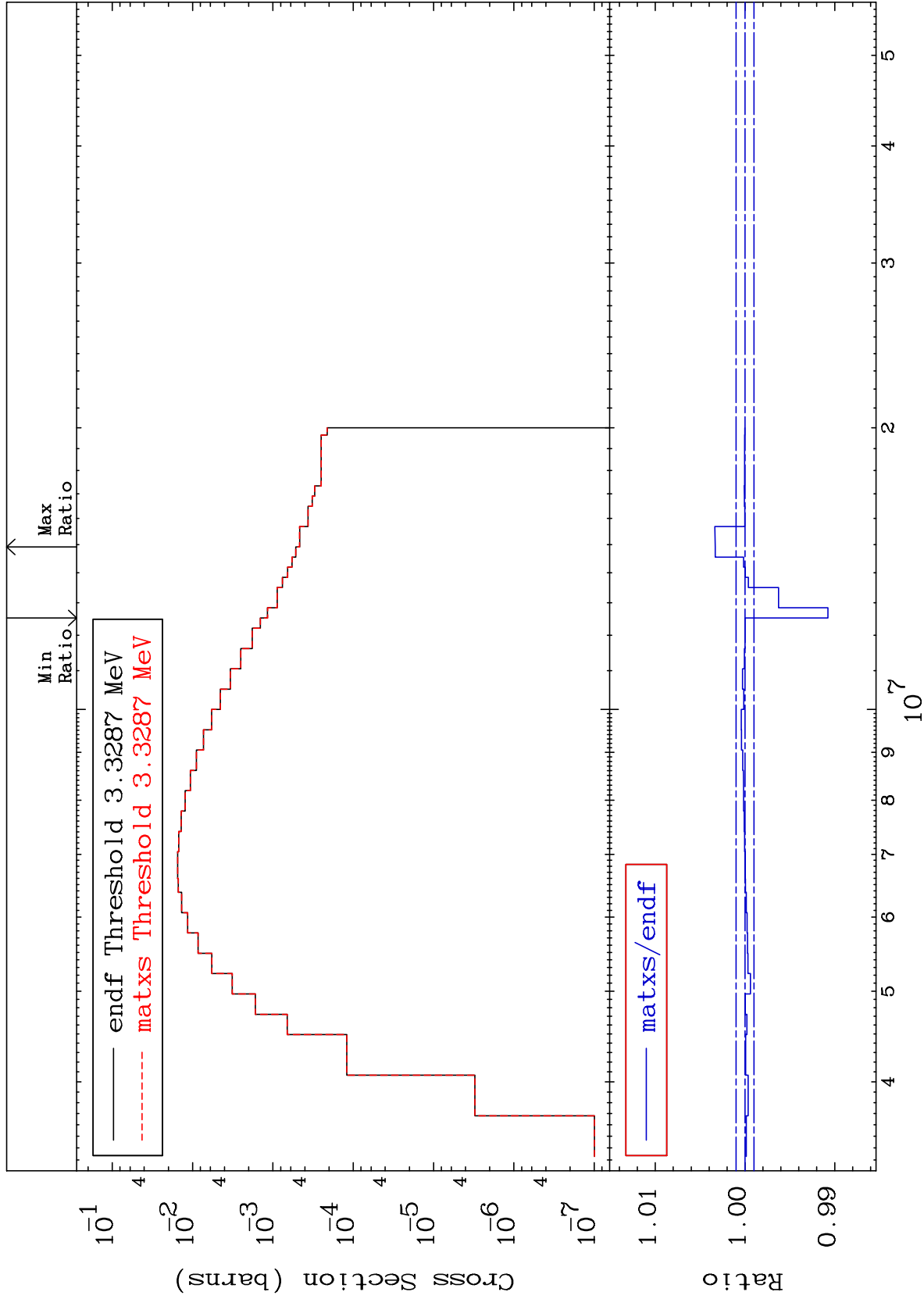
20-Ca-40
-1.306 To 0.808 %



MAT 2025

2.747 MeV (n,p') Level
Cross Section

20-Ca-40
-0.924 To 0.336 %



50

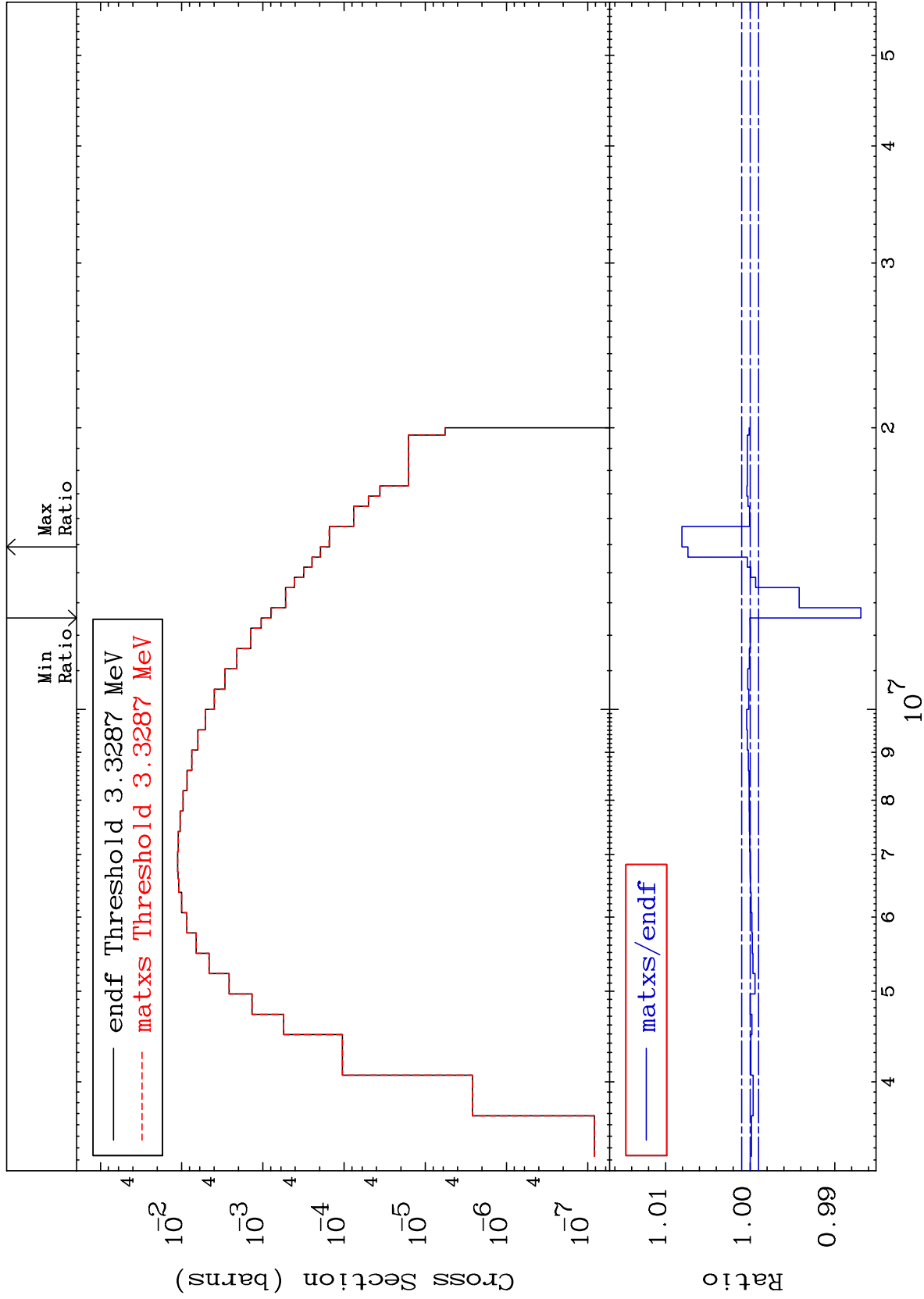
Incident Energy (eV)

20-Ca-40

MAT 2025

2.757 MeV (n,p') Level
Cross Section

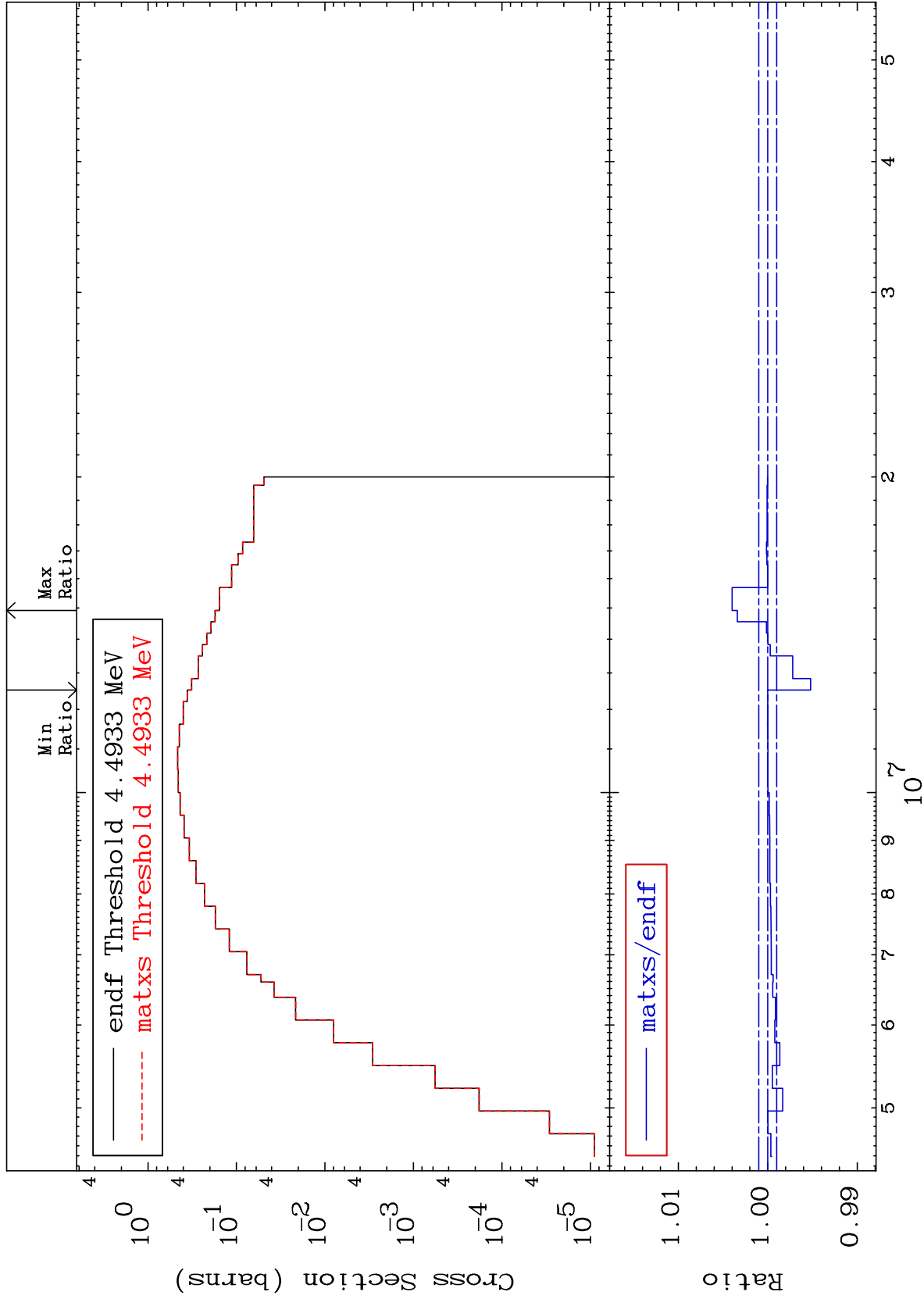
20-Ca-40
-1.309 To 0.806 %



MAT 2025

3.557 MeV (n,p') Level
Cross Section

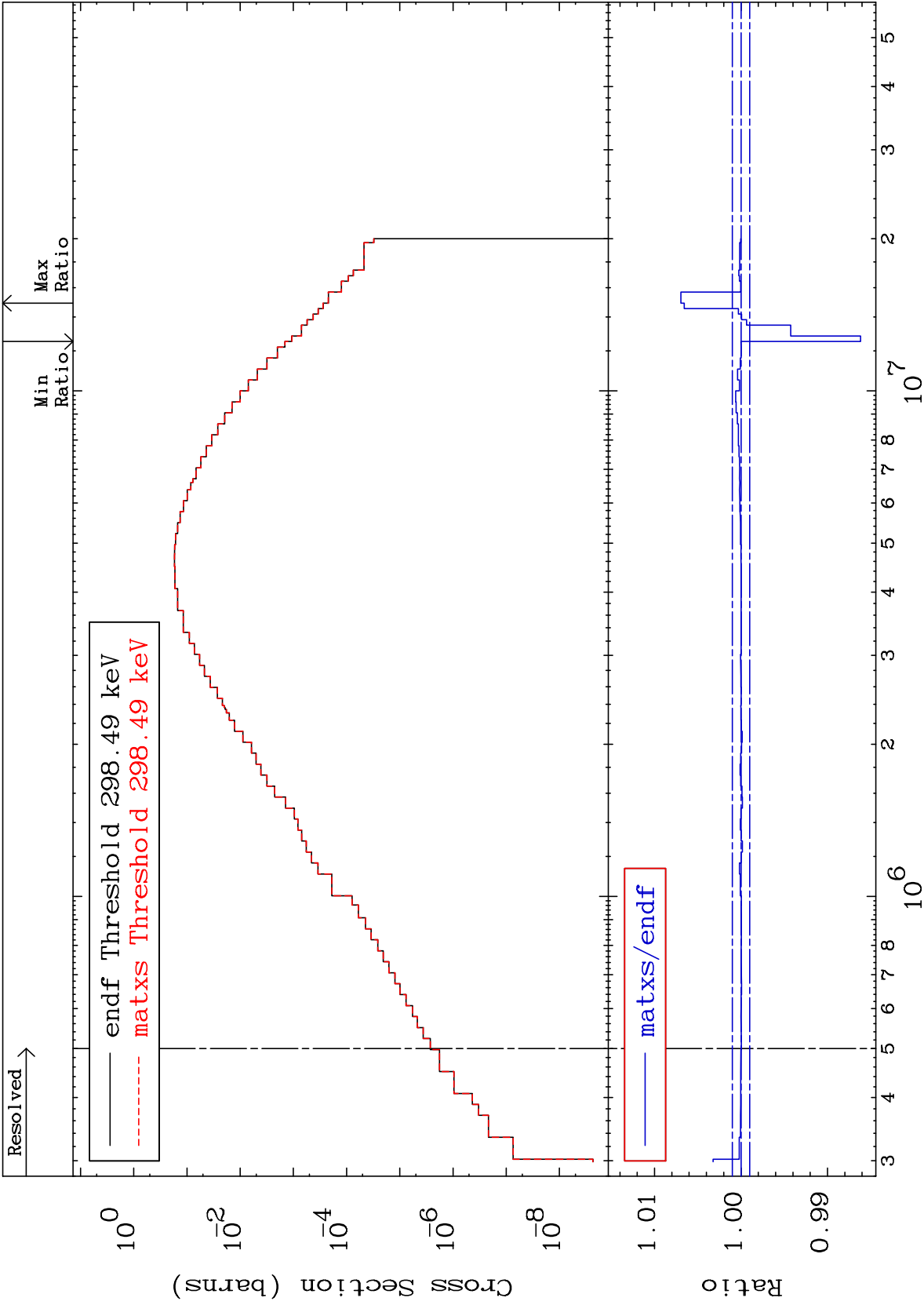
20-Ca-40
-0.479 To 0.399 %



MAT 2025

(n, α') Ground
Cross Section

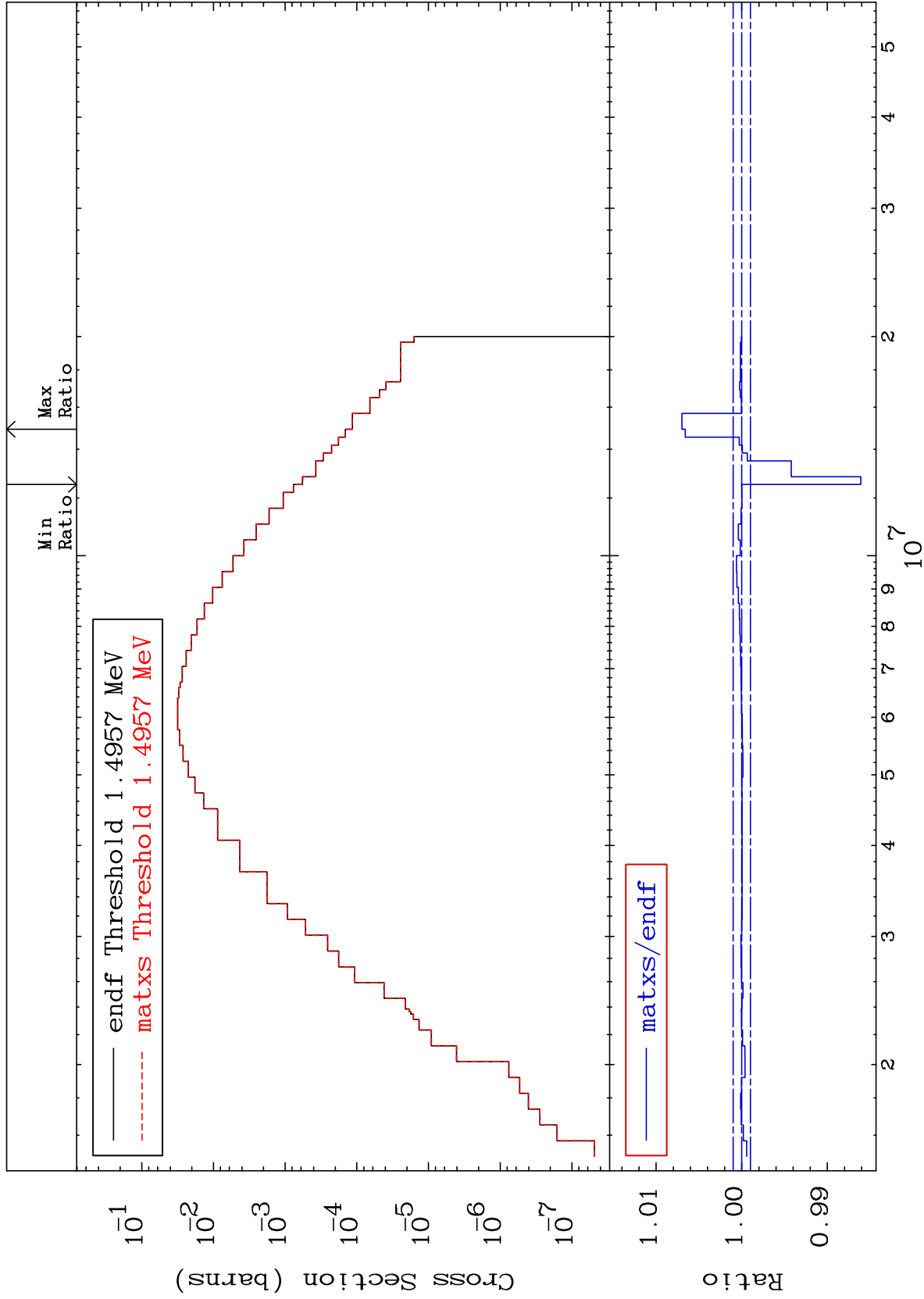
20-Ca-40
-1.382 To 0.695 %



MAT 2025

1.410 MeV (n, α') Level
Cross Section

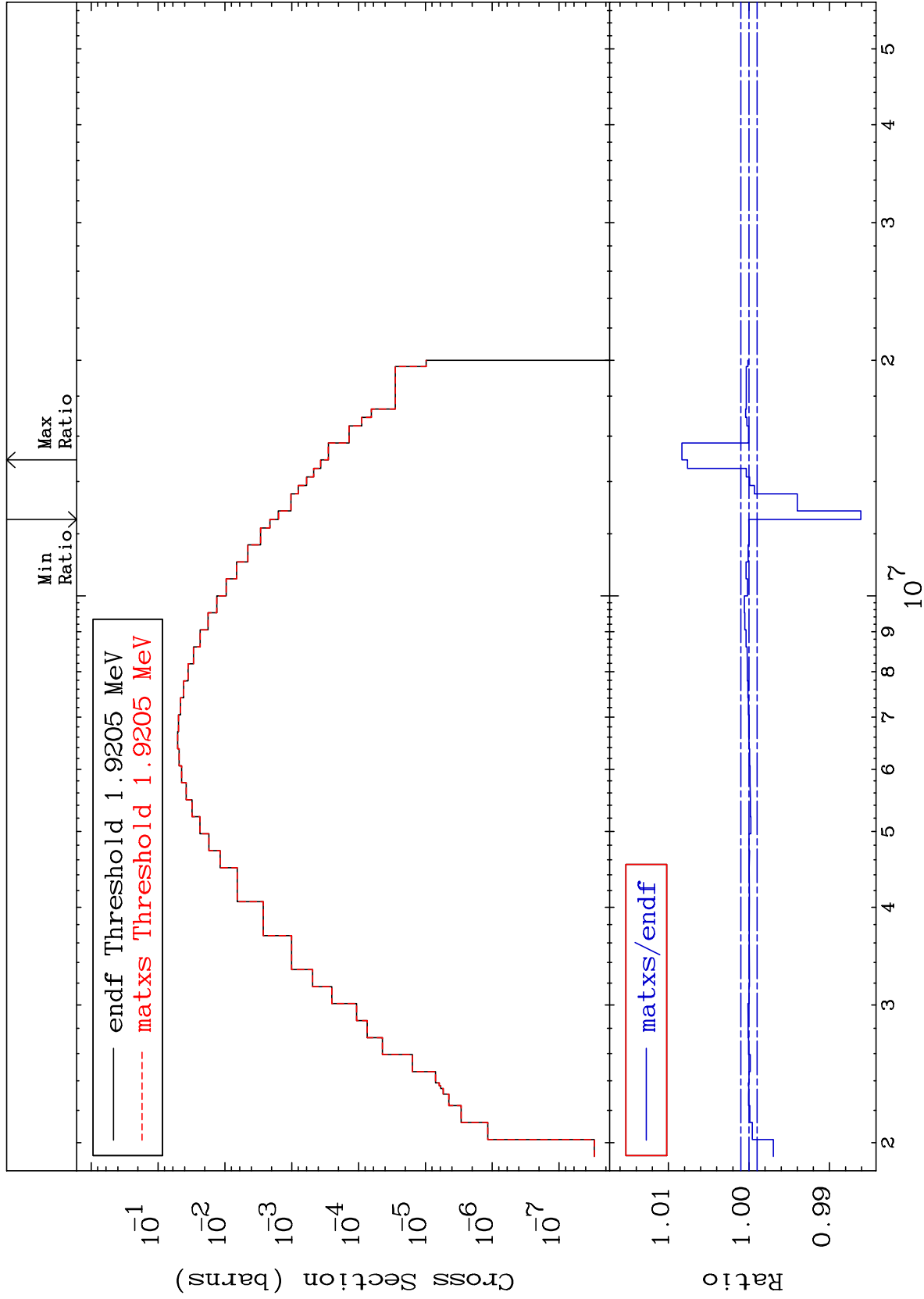
20-Ca-40
-1.391 To 0.699 %



MAT 2025

1.611 MeV (n, α') Level
Cross Section

20-Ca-40
-1.389 To 0.832 %



55

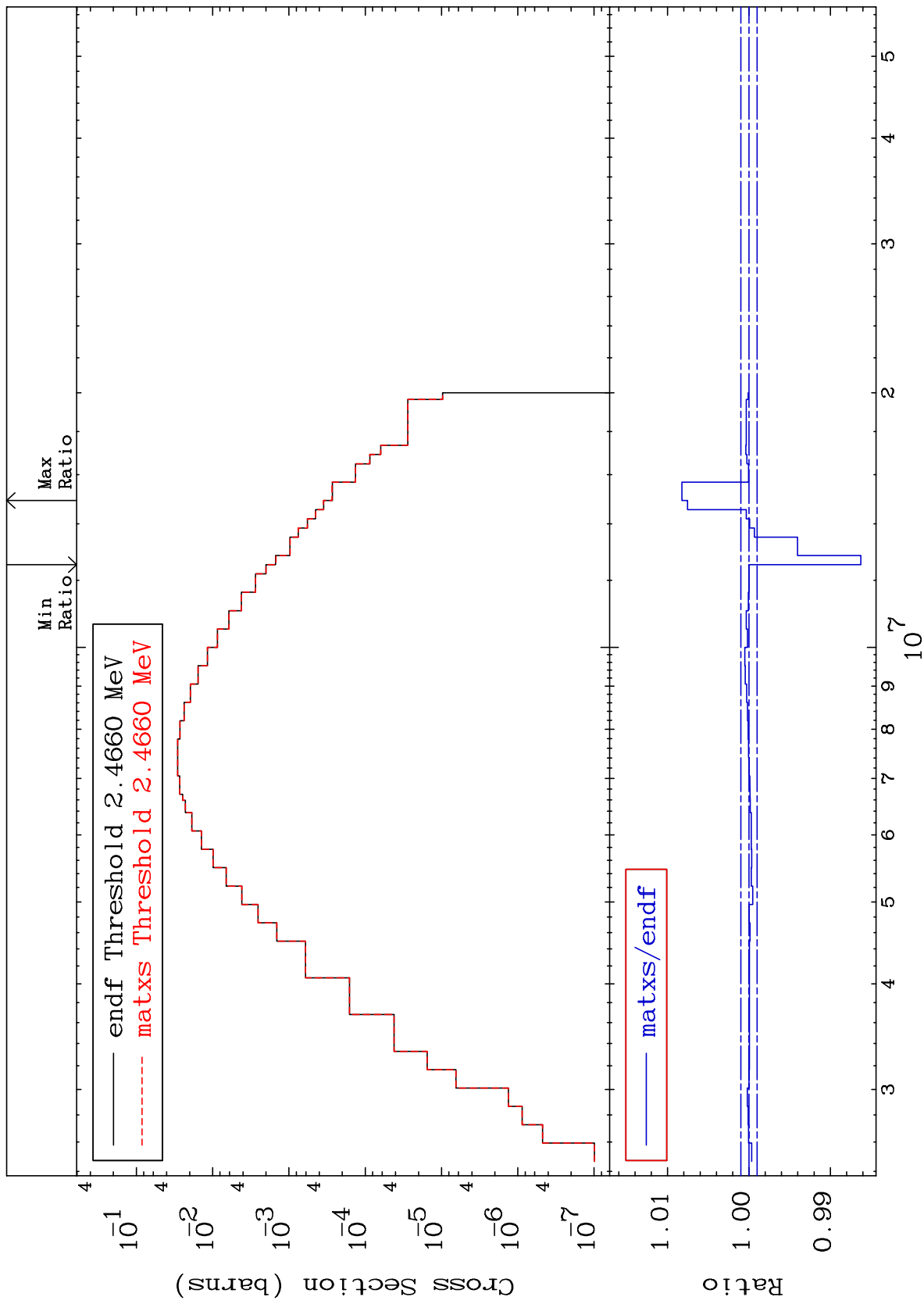
Incident Energy (eV)

20-Ca-40

MAT 2025

2.217 MeV (n, α') Level
Cross Section

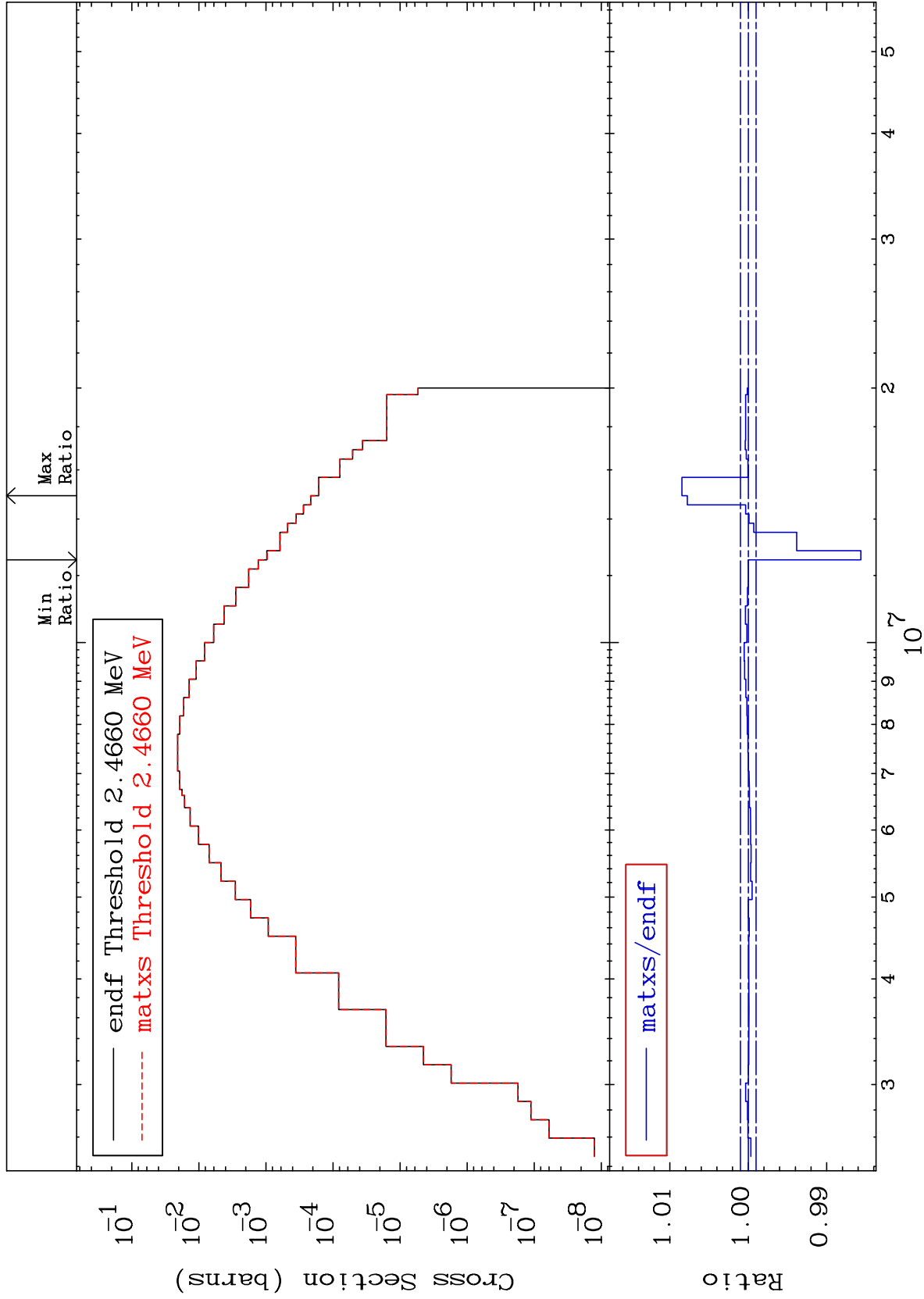
20-Ca-40
-1.374 To 0.824 %



MAT 2025

2.491 MeV (n, α') Level
Cross Section

20-Ca-40
-1.435 To 0.846 %



57

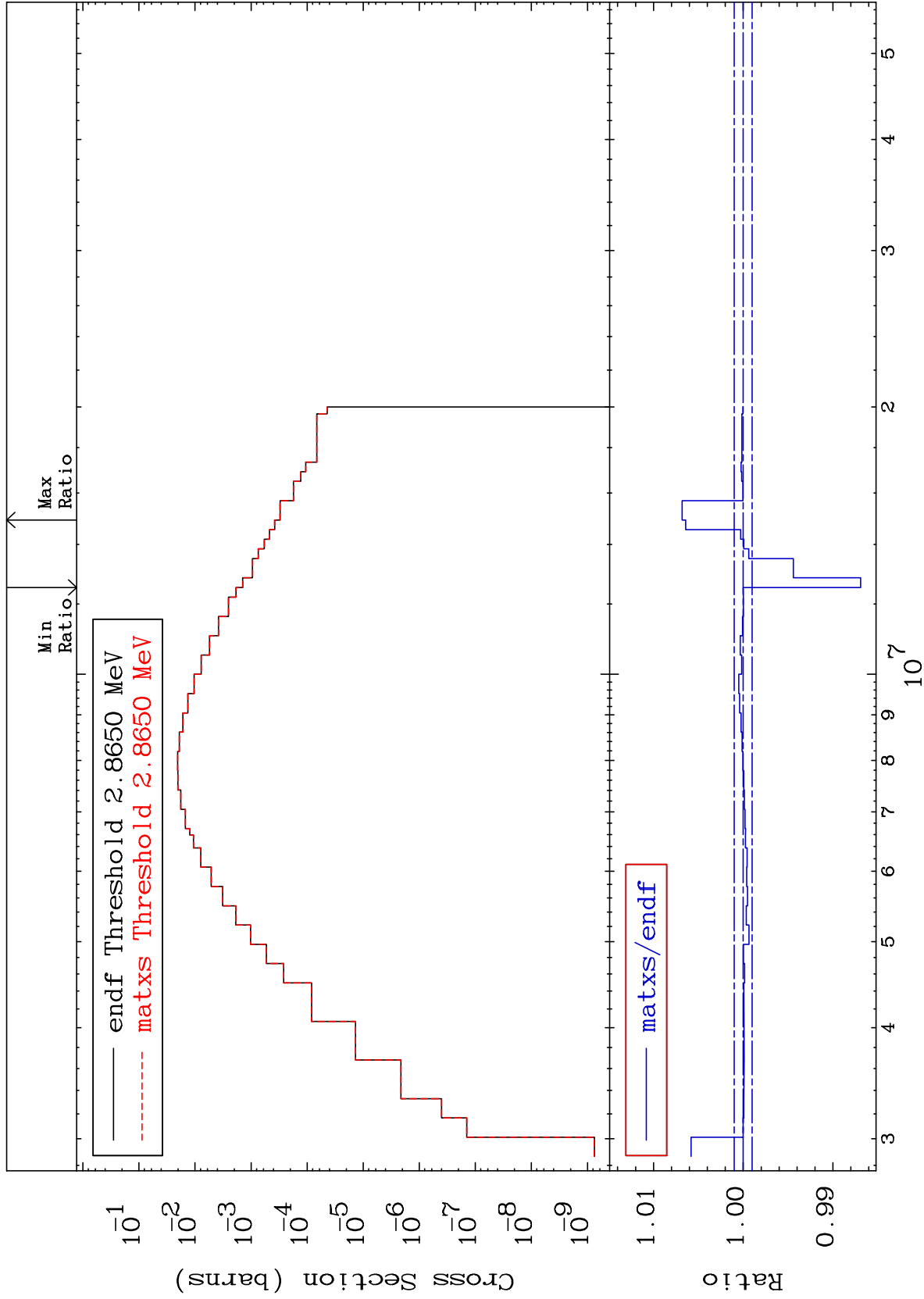
Incident Energy (eV)

20-Ca-40

MAT 2025

2.796 MeV (n,α') Level
Cross Section

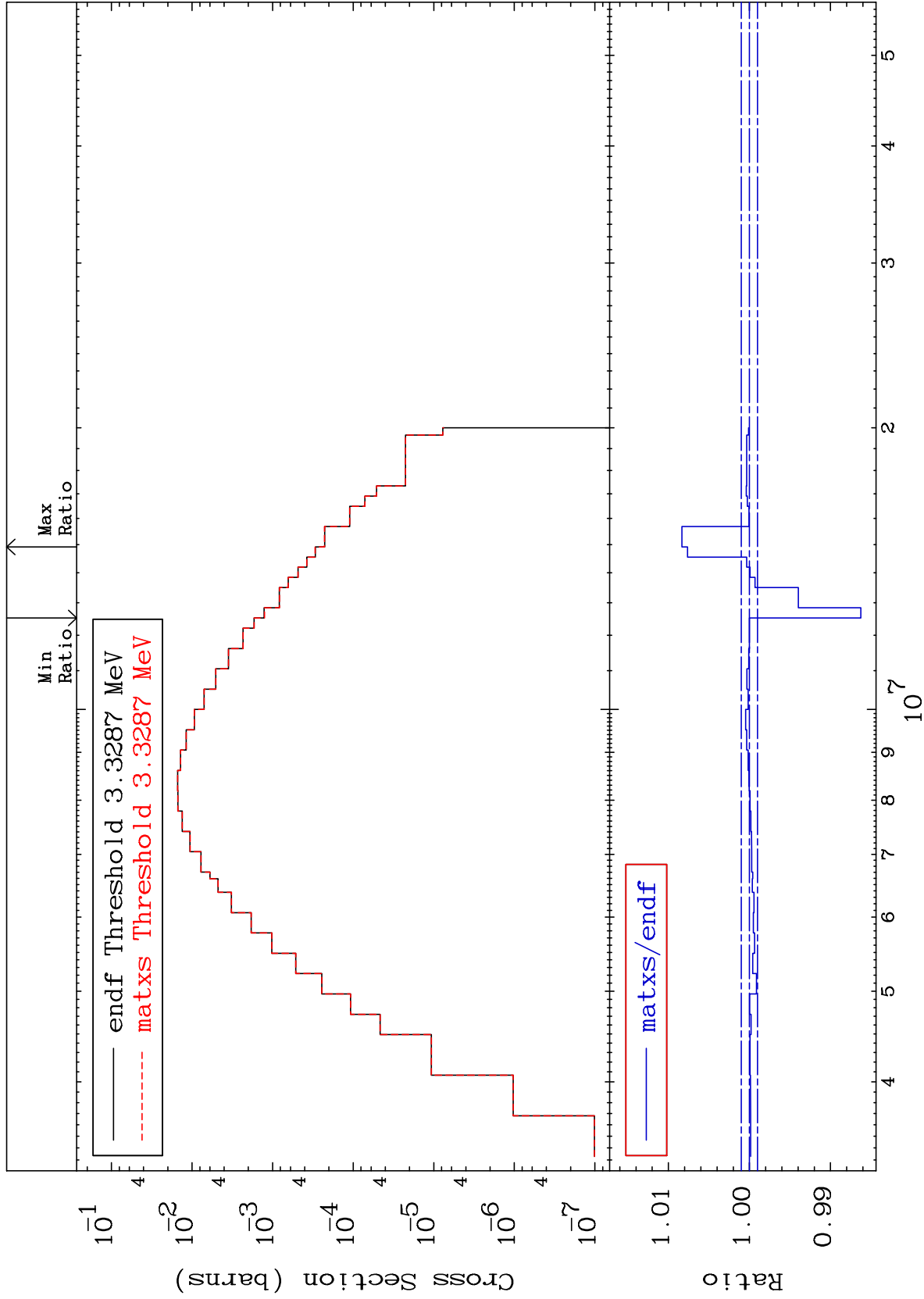
20-Ca-40
-1.309 To 0.681 %



MAT 2025

3.171 MeV (n, α') Level
Cross Section

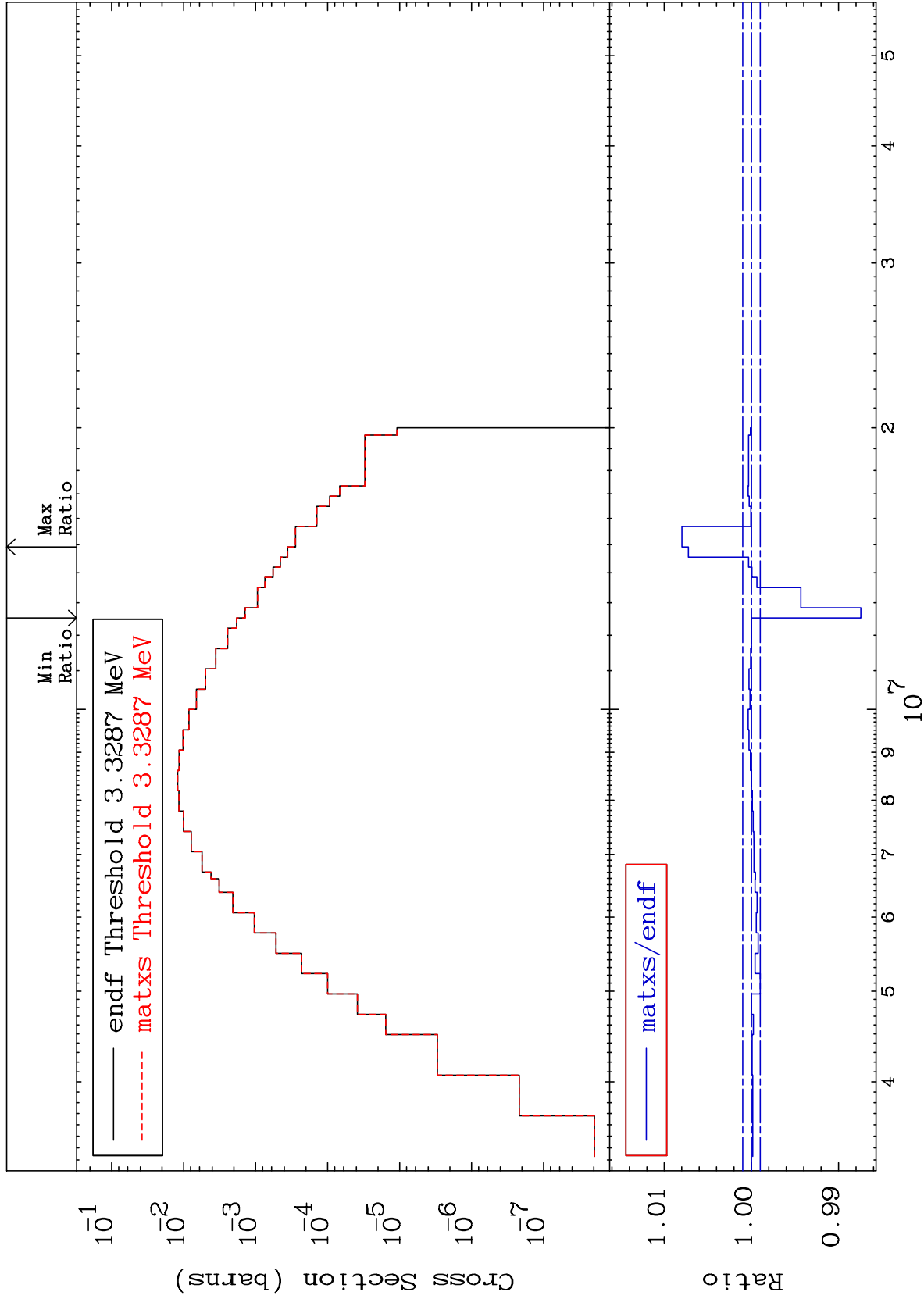
20-Ca-40
-1.374 To 0.833 %



MAT 2025

3.185 MeV (n, α') Level
Cross Section

20-Ca-40
-1.255 To 0.797 %



60

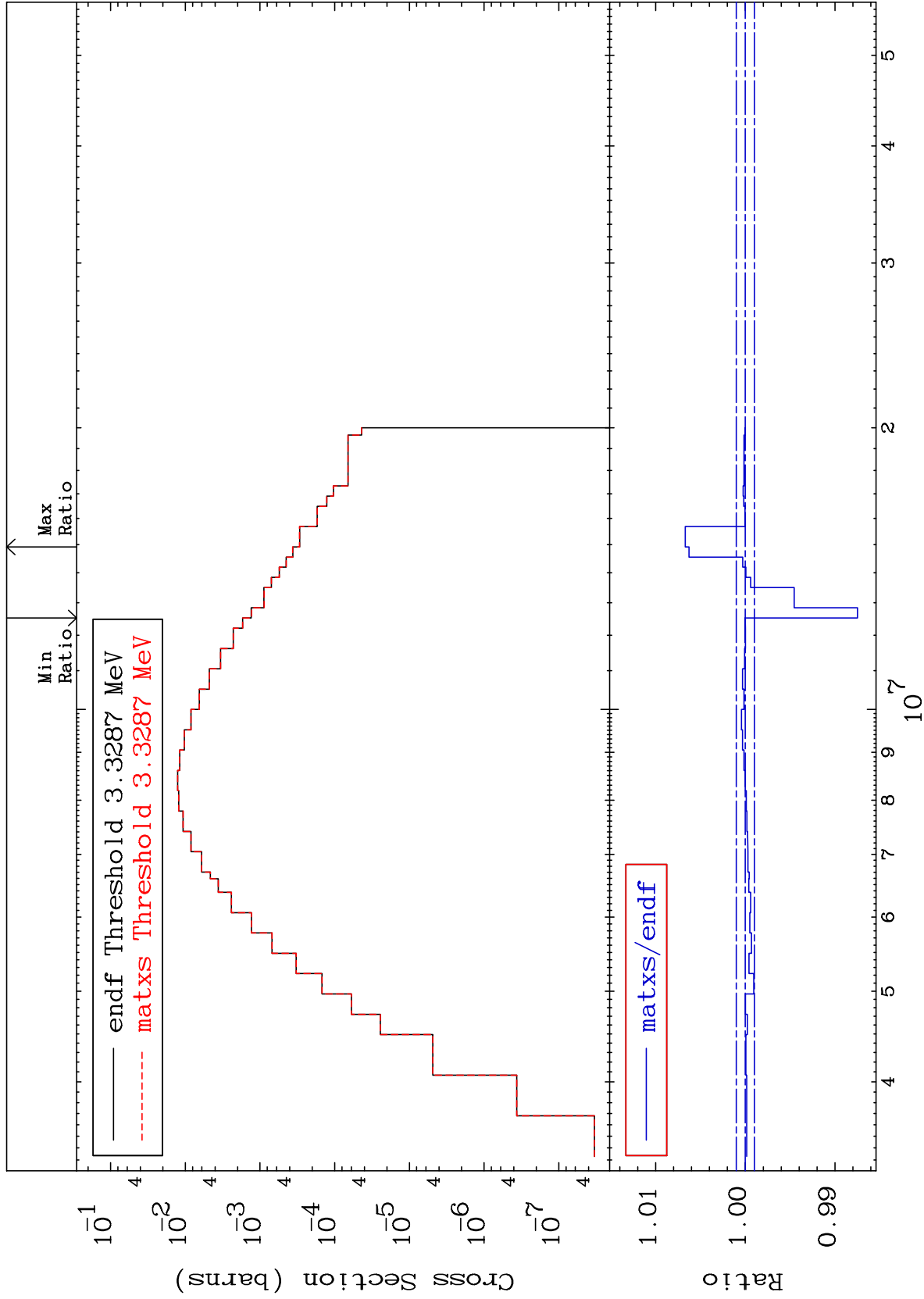
Incident Energy (eV)

20-Ca-40

MAT 2025

3.274 MeV (n,α') Level
Cross Section

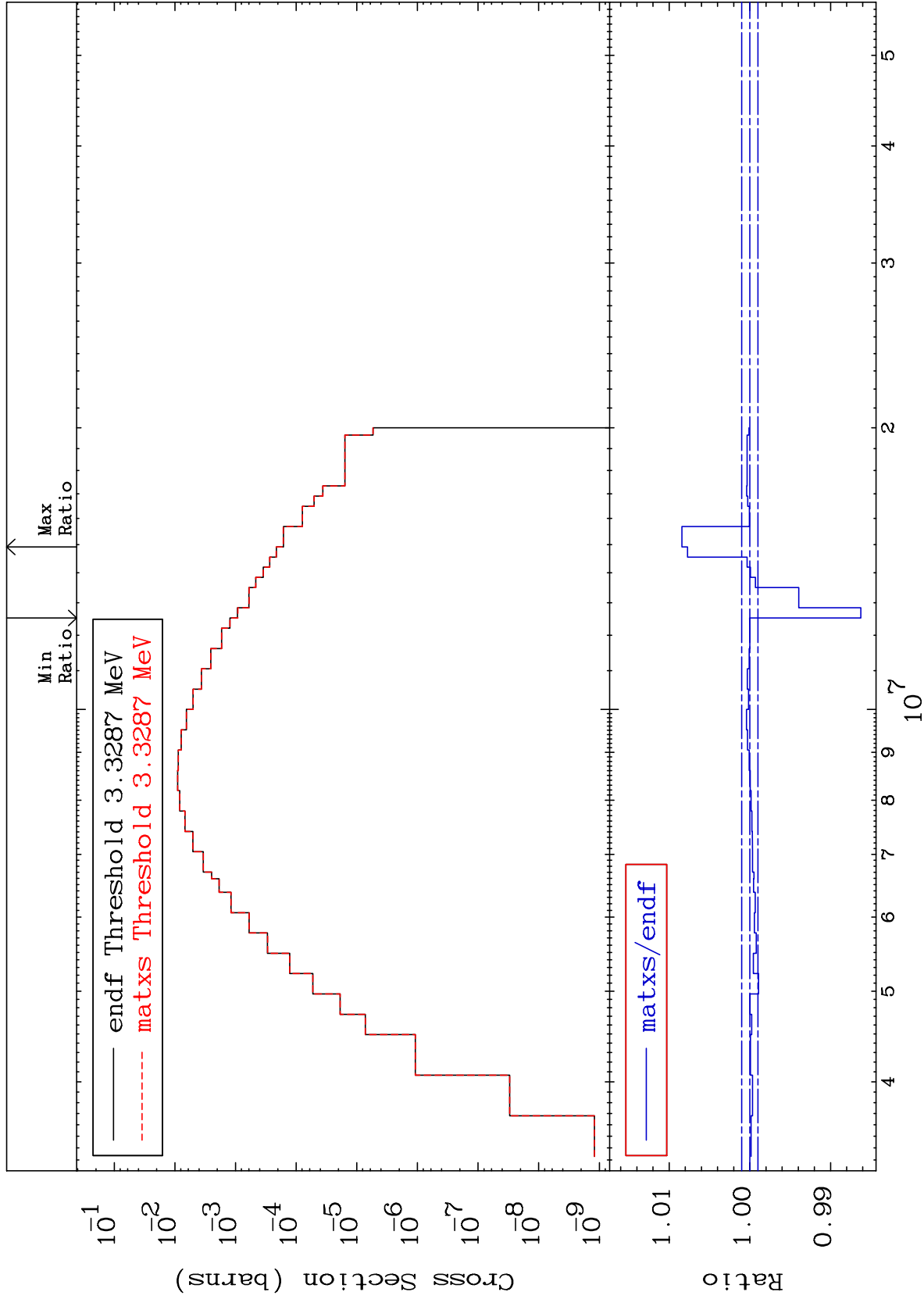
20-Ca-40
-1.251 To 0.670 %



MAT 2025

3.518 MeV (n,α') Level
Cross Section

20-Ca-40
-1.376 To 0.842 %



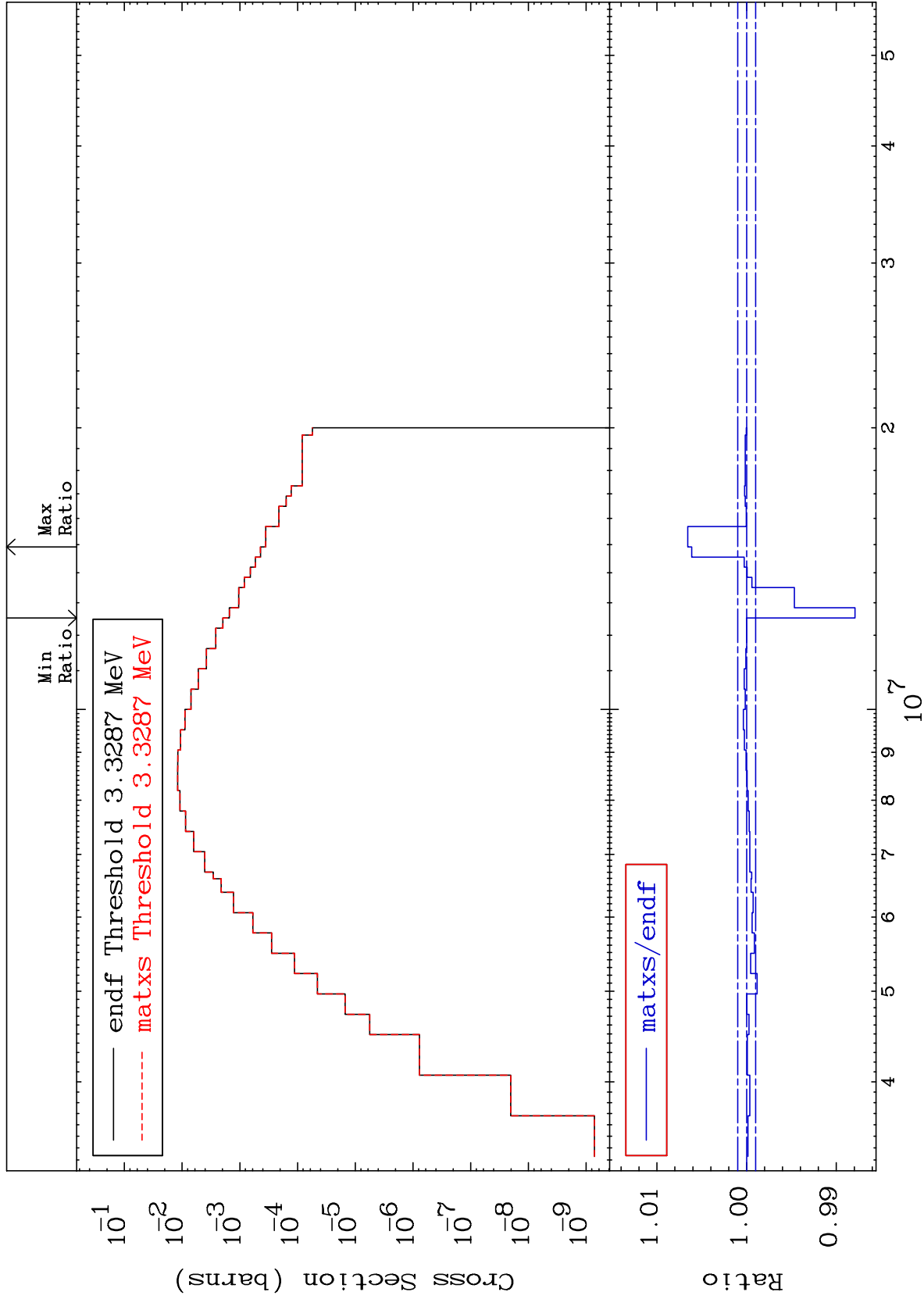
62

20-Ca-40

MAT 2025

3.527 MeV (n, α') Level
Cross Section

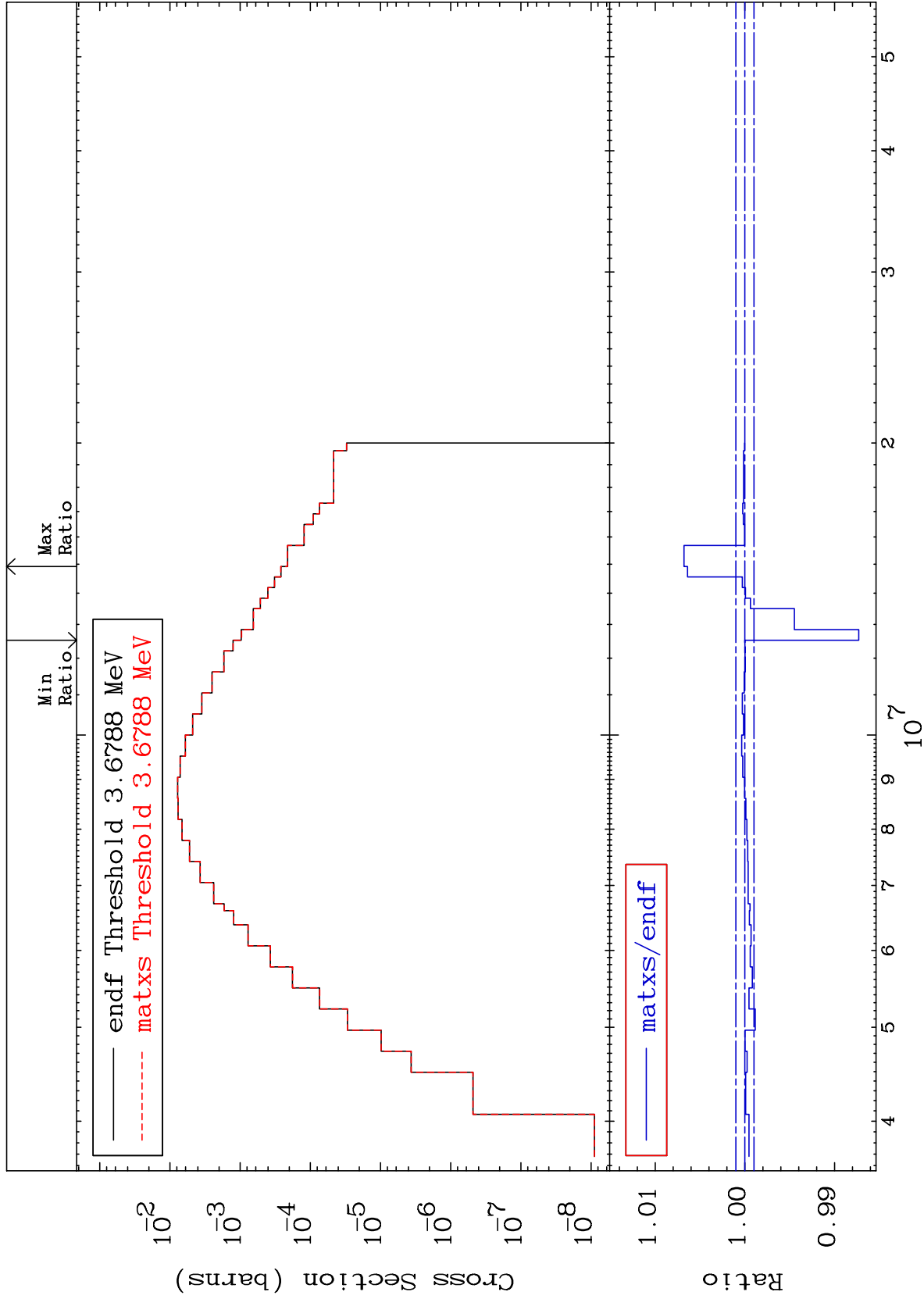
20-Ca-40
-1.207 To 0.656 %



MAT 2025

3.602 MeV (n, α') Level
Cross Section

20-Ca-40
-1.270 To 0.680 %

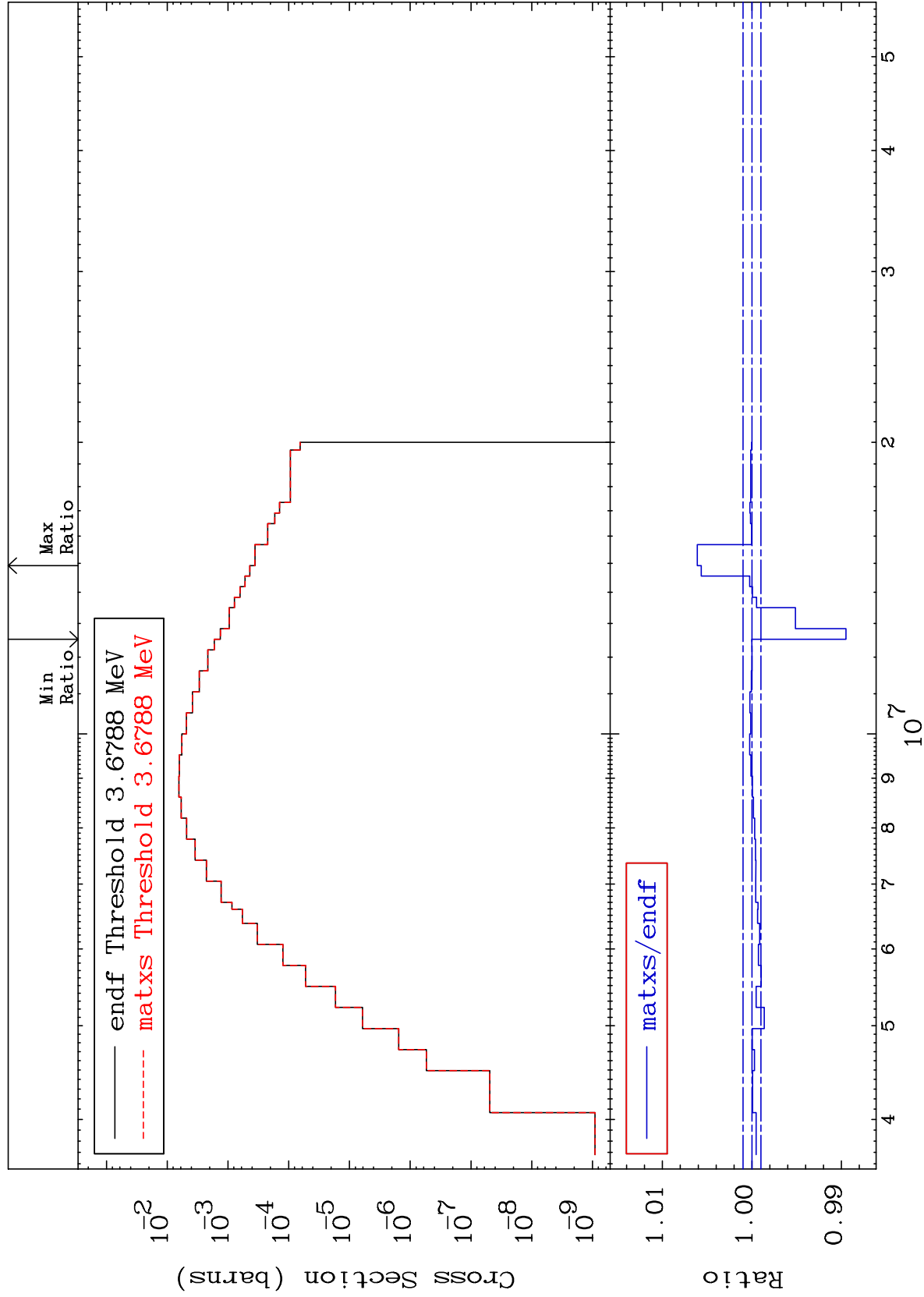


64

MAT 2025

3.706 MeV (n, α') Level
Cross Section

20-Ca-40
-1.051 To 0.610 %



65

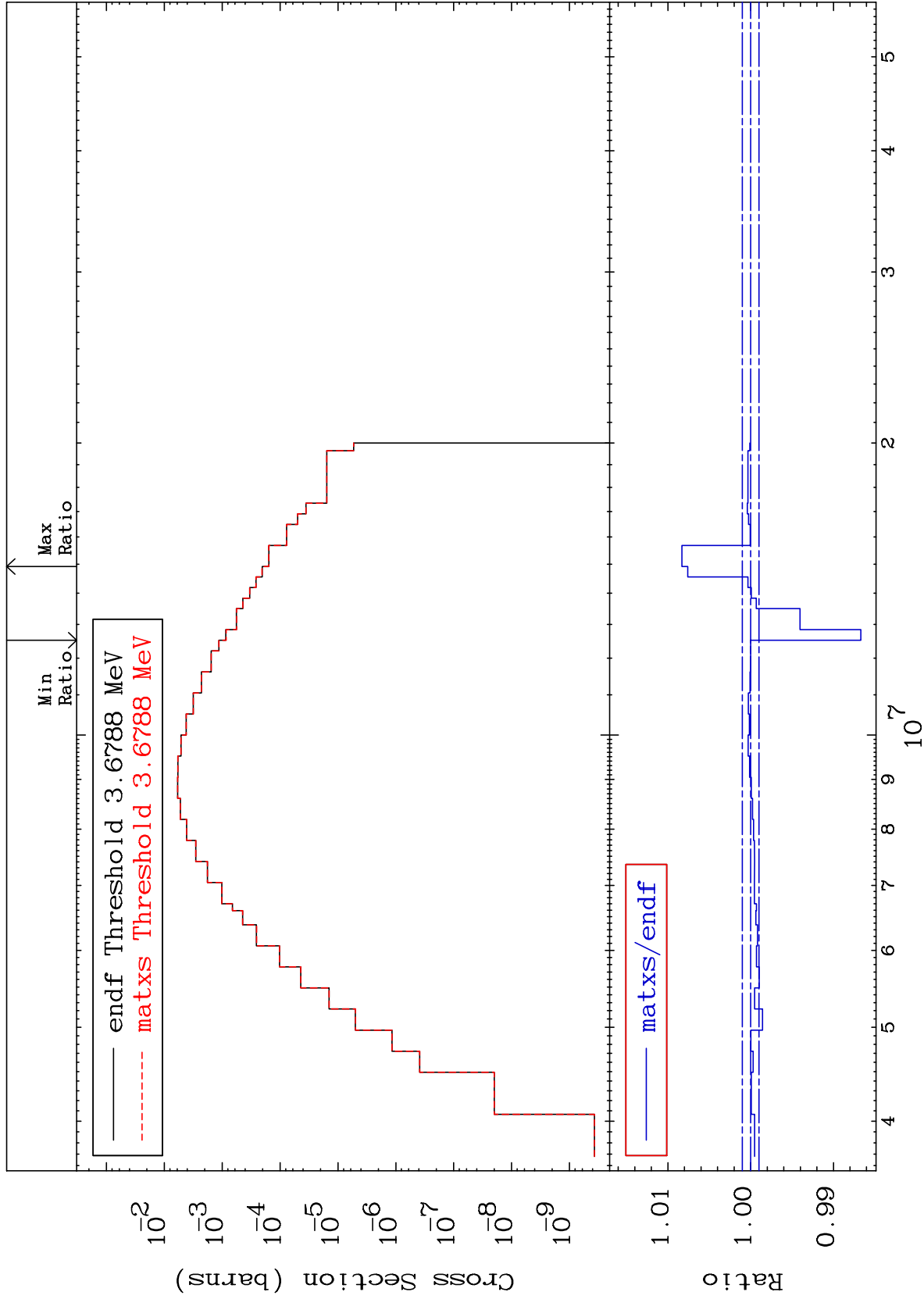
Incident Energy (eV)

20-Ca-40

MAT 2025

3.937 MeV (n, α') Level
Cross Section

20-Ca-40
-1.331 To 0.831 %



66

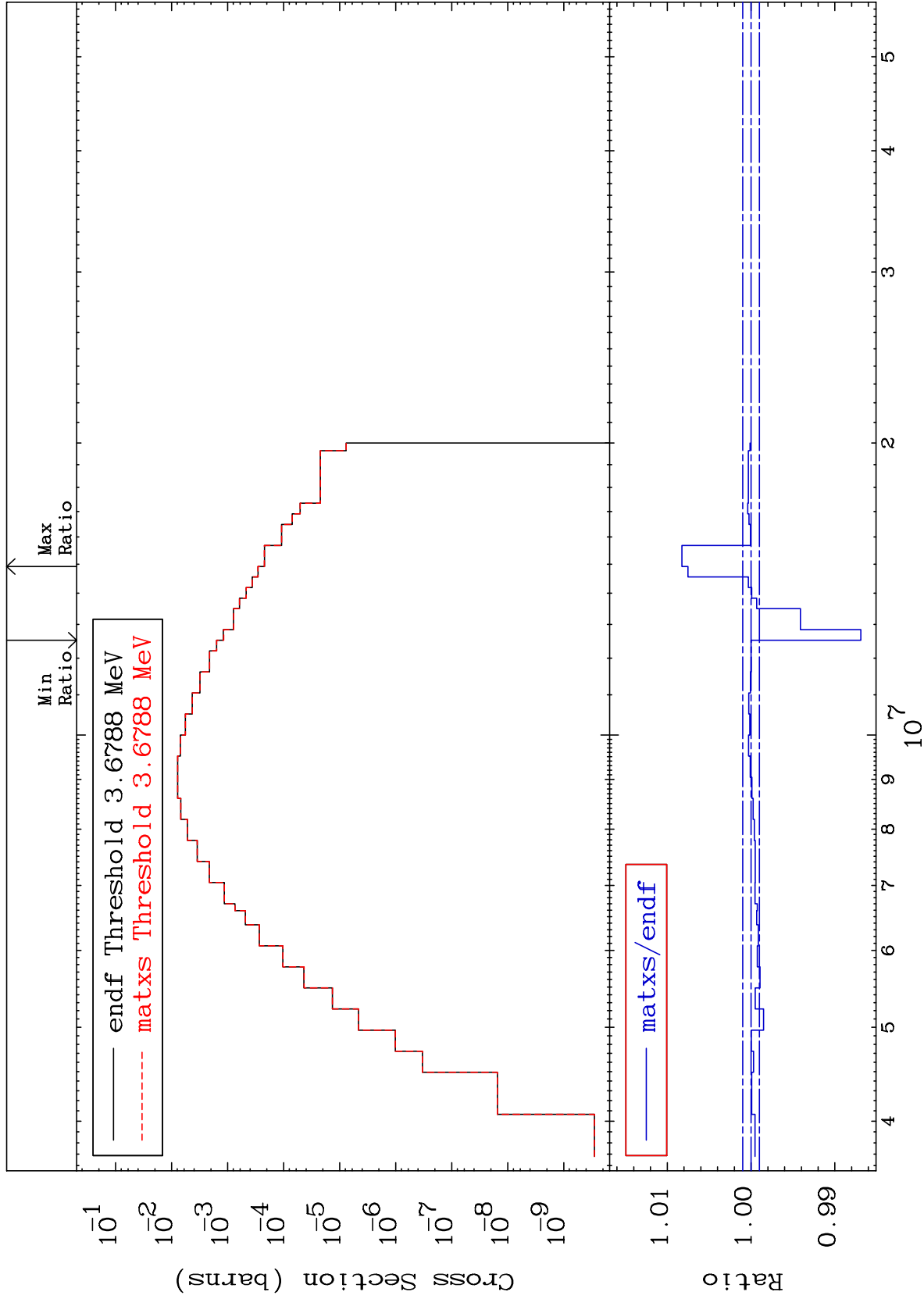
Incident Energy (eV)

20-Ca-40

MAT 2025

3.980 MeV (n, α') Level
Cross Section

20-Ca-40
-1.310 To 0.825 %



67

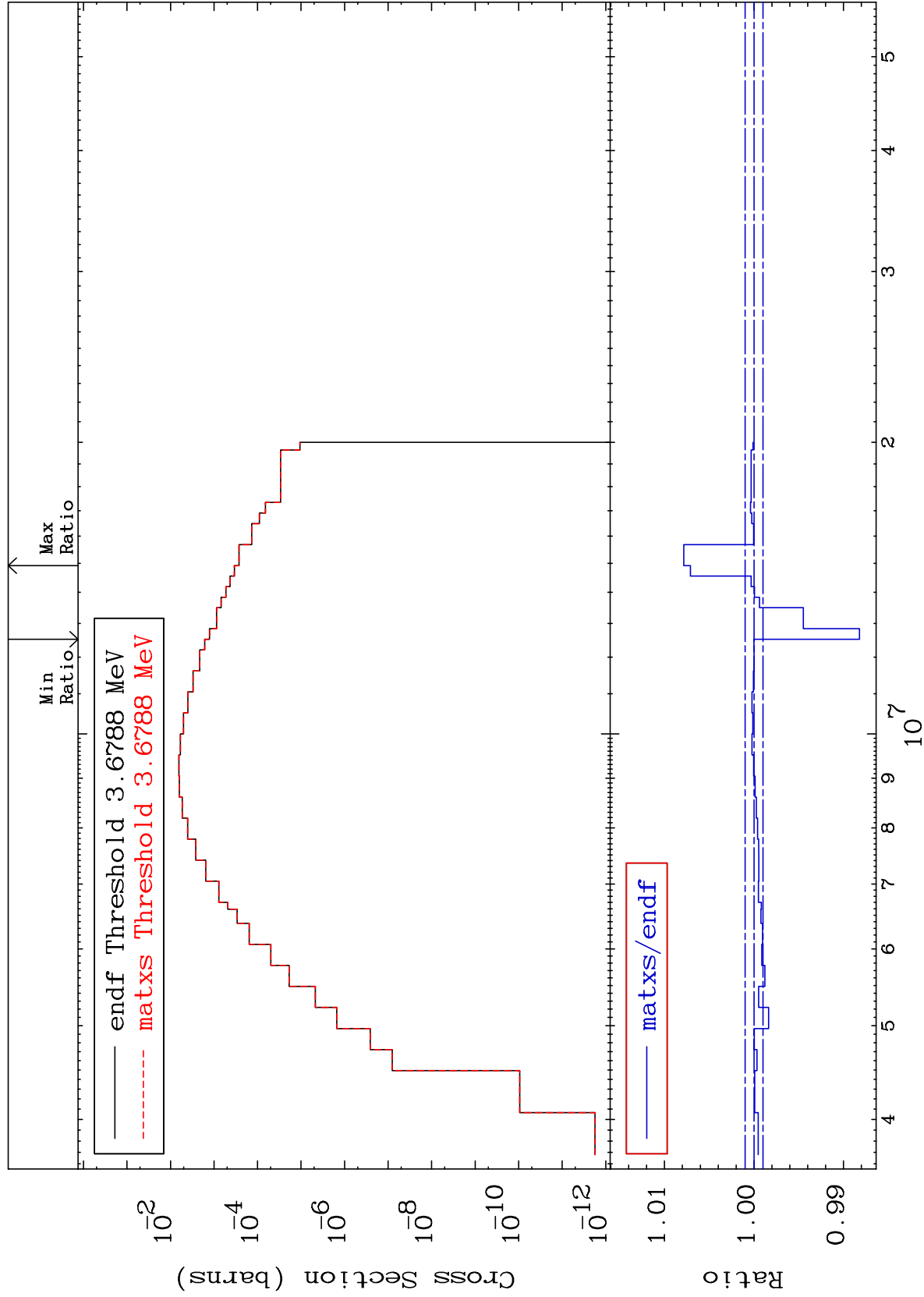
Incident Energy (eV)

20-Ca-40

MAT 2025

4.021 MeV (n, α') Level
Cross Section

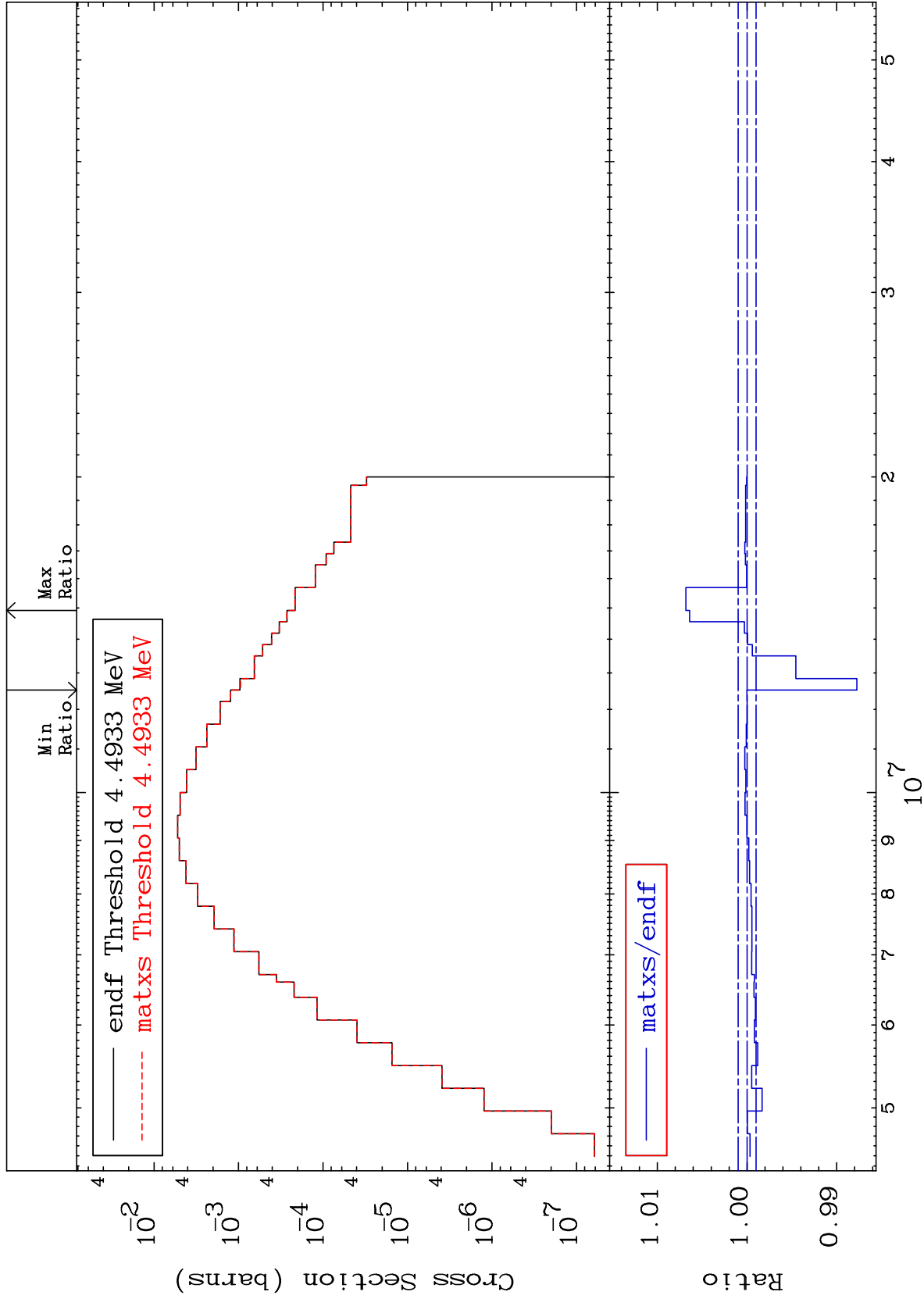
20-Ca-40
-1.180 To 0.785 %



MAT 2025

4.191 MeV (n, α') Level
Cross Section

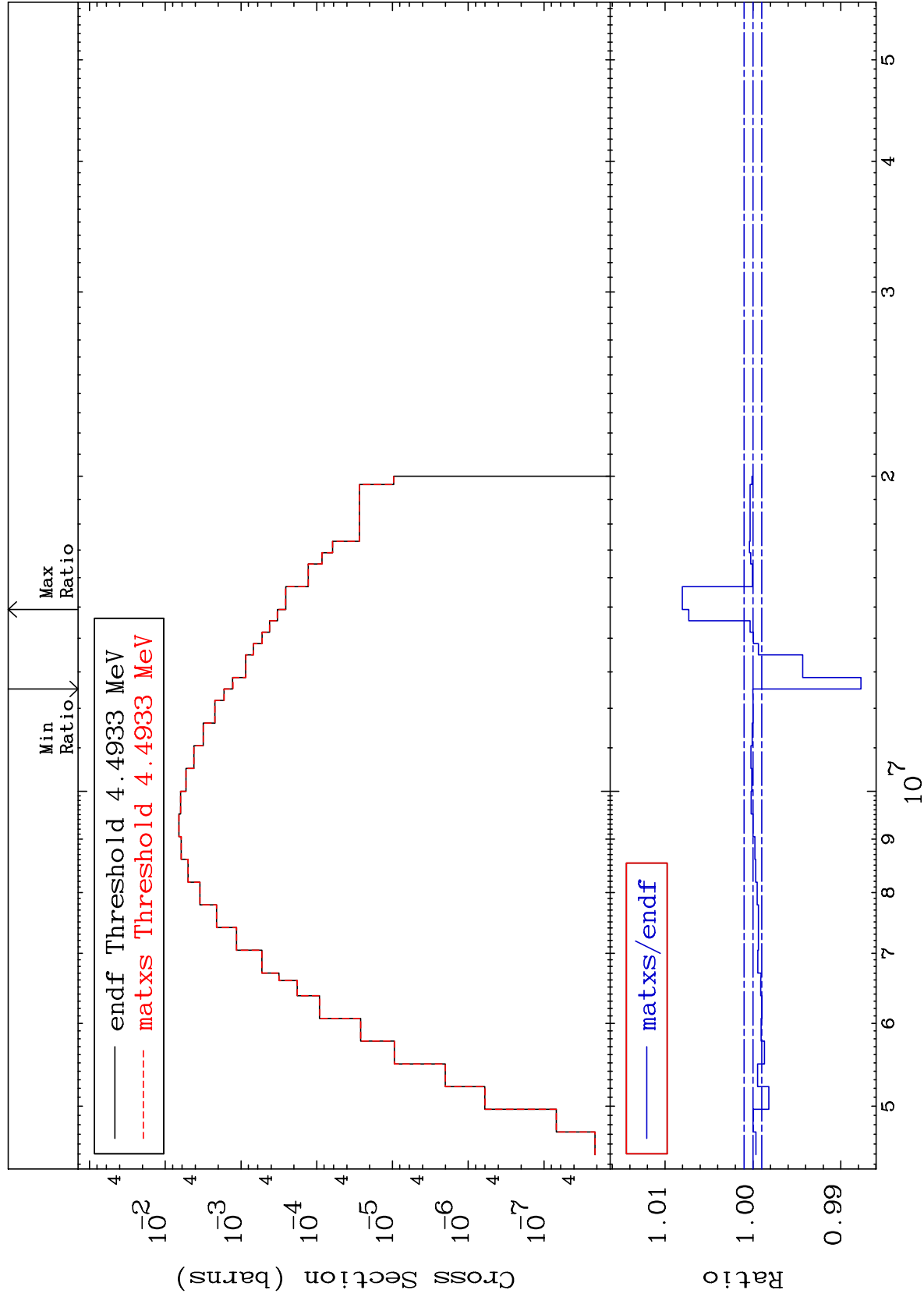
20-Ca-40
-1.225 To 0.682 %



MAT 2025

4.283 MeV (n, α') Level
Cross Section

20-Ca-40
-1.229 To 0.803 %



70

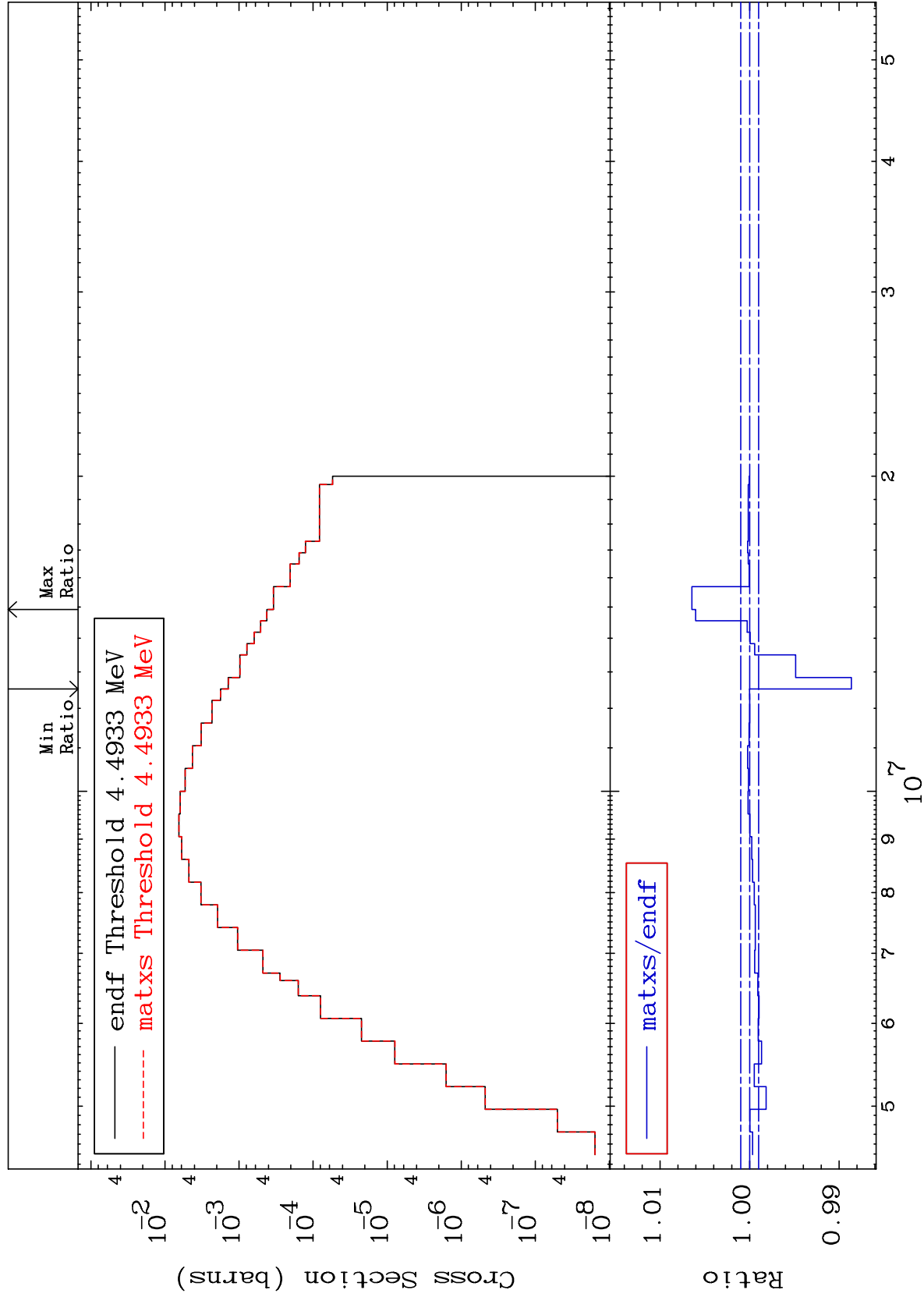
Incident Energy (eV)

20-Ca-40

MAT 2025

4.318 MeV (n, α') Level
Cross Section

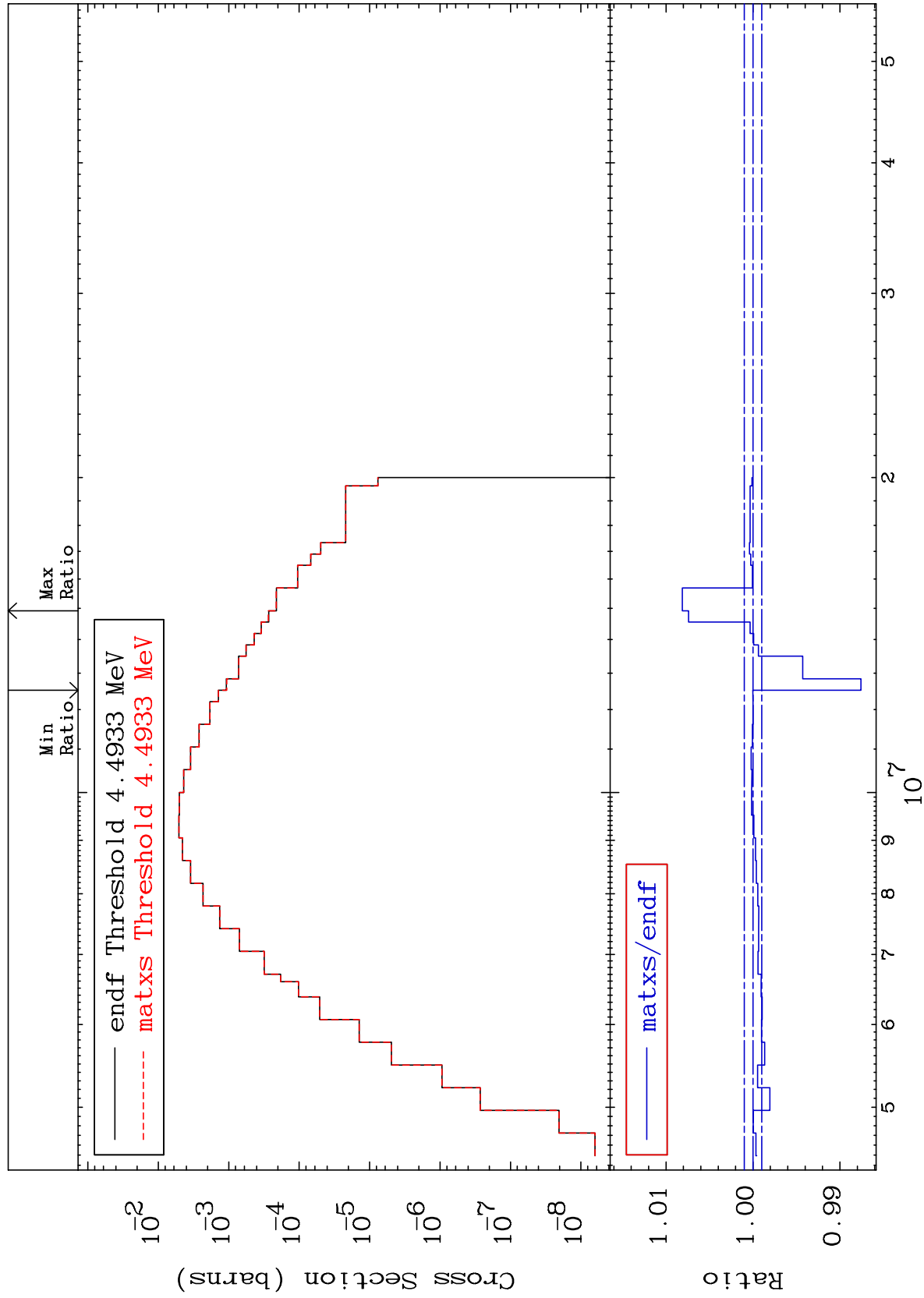
20-Ca-40
-1.137 To 0.645 %



MAT 2025

4.396 MeV (n,α') Level
Cross Section

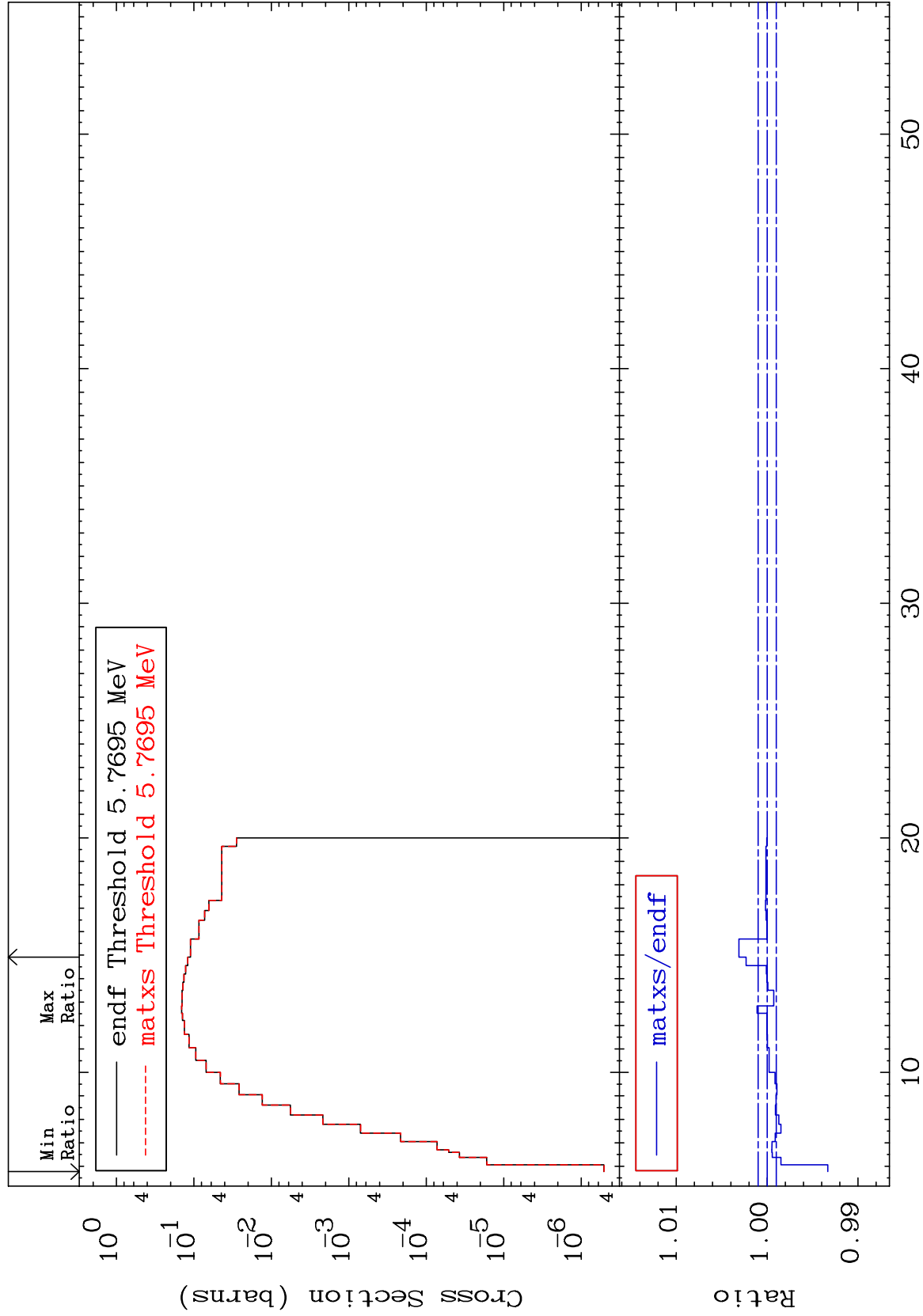
20-Ca-40
-1.242 To 0.812 %



MAT 2025

5.213 MeV (n, α') Level
Cross Section

20-Ca-40
-0.669 To 0.311 %



73

Incident Energy (MeV)

20-Ca-40