

Program Complot  
(Version 2015-2)

by

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(Present Contact Information)

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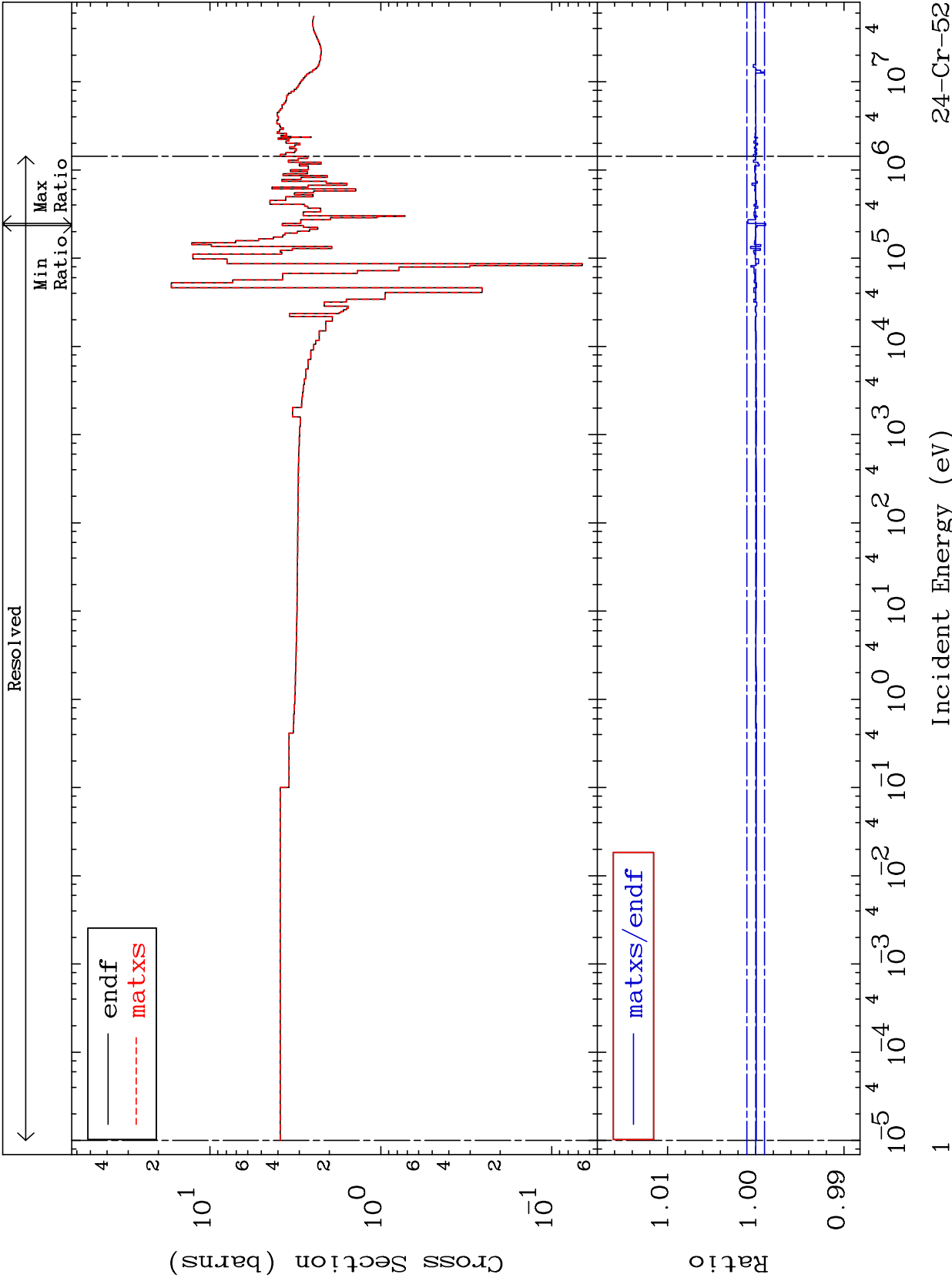
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [home.comcast.net/~redcullen1](http://home.comcast.net/~redcullen1)

Press Mouse Button to Start

MAT 2431

Total  
Cross Section

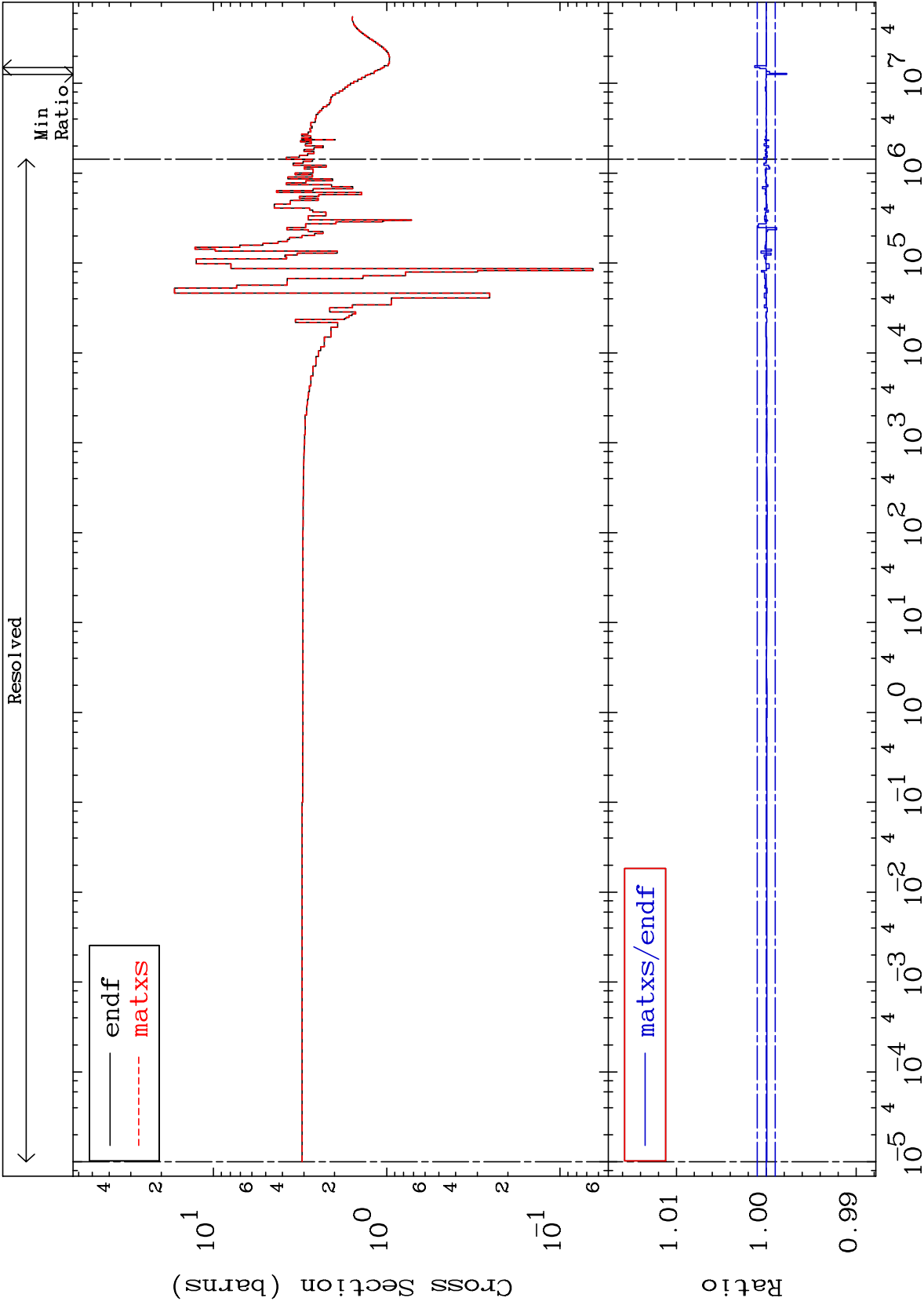
24-Cr-52  
-0.115 To 0.089 %



MAT 2431

Elastic  
Cross Section

24-Cr-52  
-0.228 To 0.128 %



2

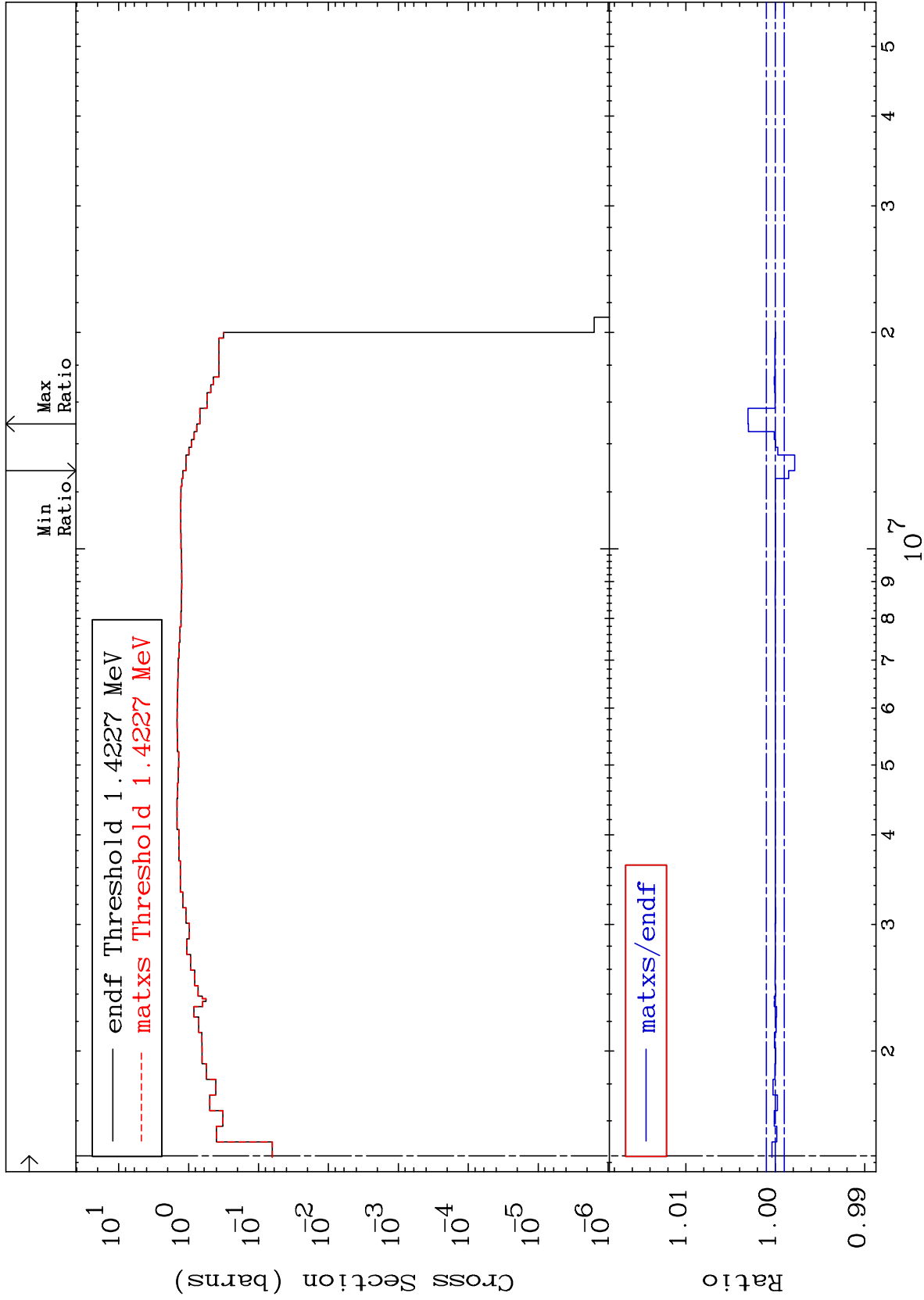
Incident Energy (eV)

24-Cr-52

MAT 2431

Inelastic  
Cross Section

24-Cr-52  
-0.215 To 0.307 %



3

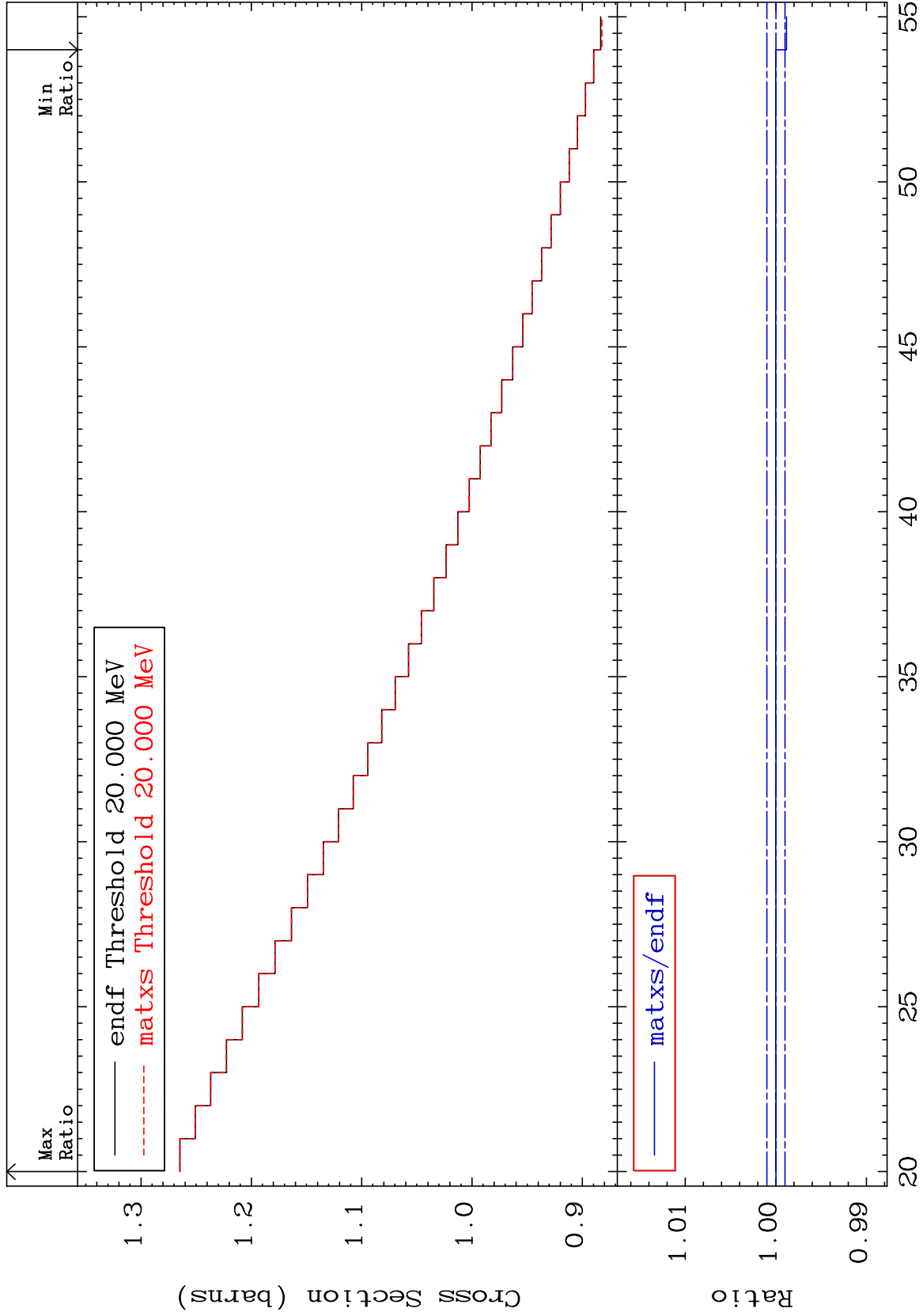
Incident Energy (eV)

24-Cr-52

MAT 2431

(n, remainder)  
Cross Section

24-Cr-52  
-0.117 To 0.000 %



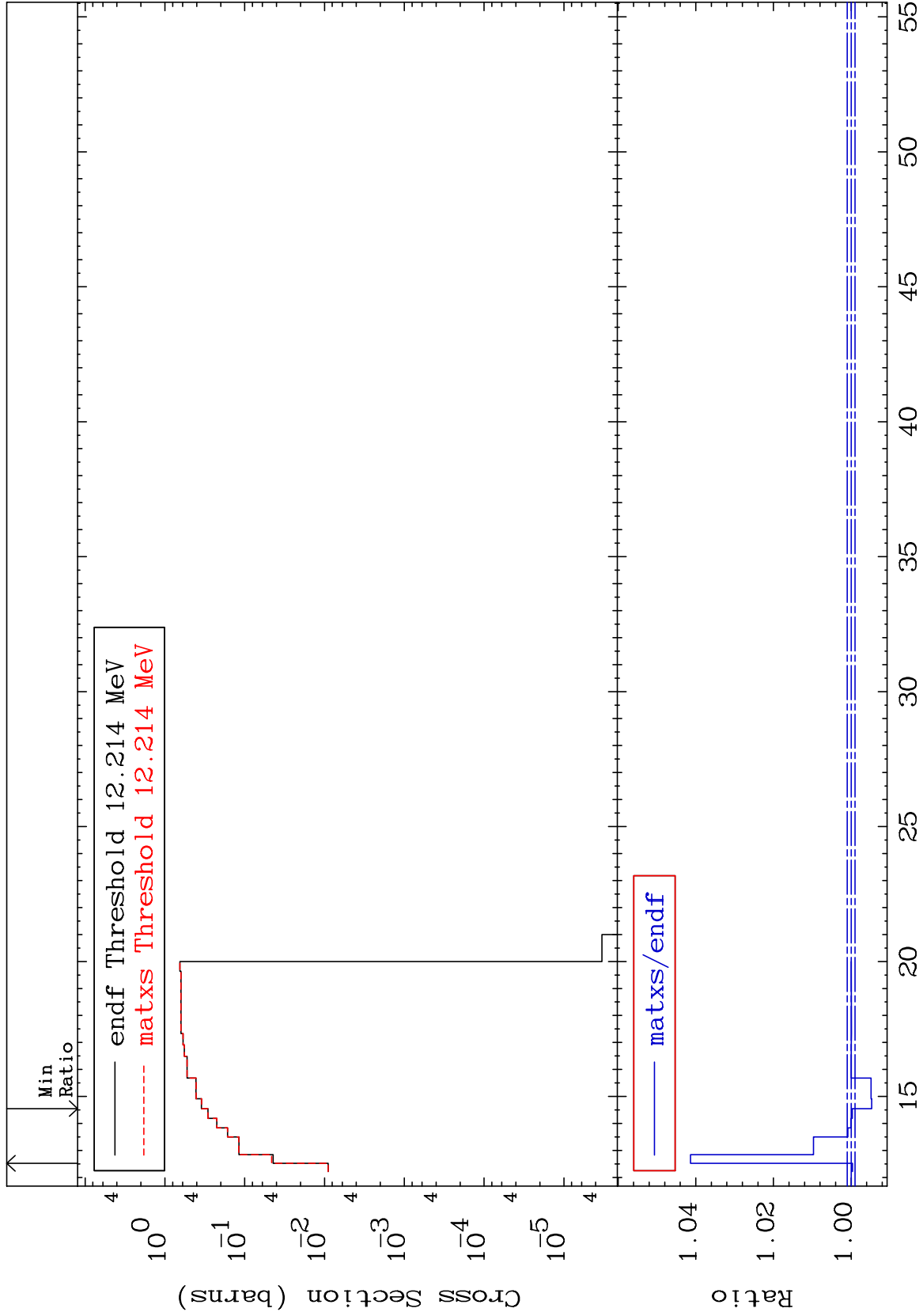
4

24-Cr-52

MAT 2431

(n,2n)  
Cross Section

24-Cr-52  
-0.528 To 4.135 %



5

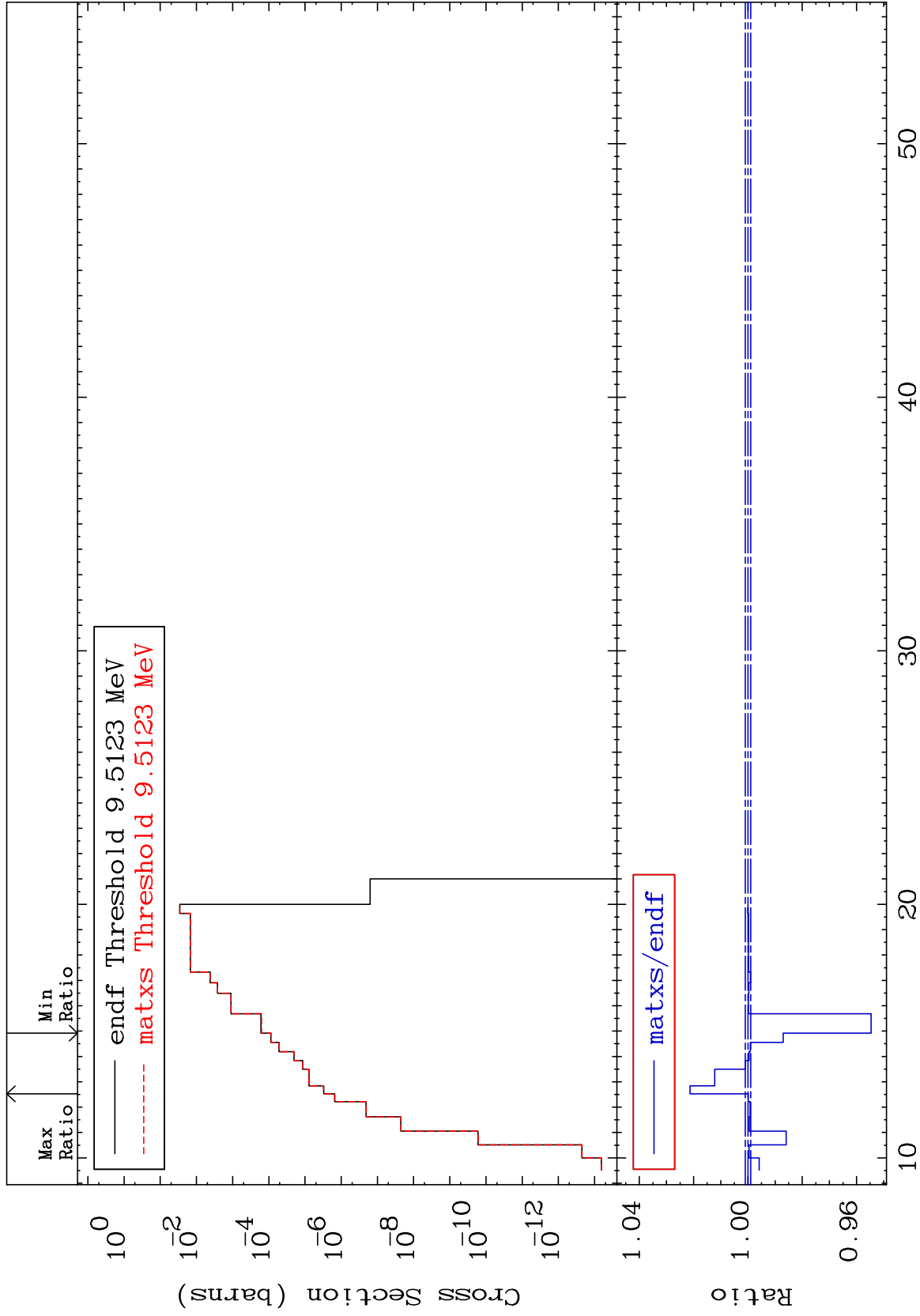
Incident Energy (MeV)

24-Cr-52

MAT 2431

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

24-Cr-52  
-4.536 To 2.131 %



6

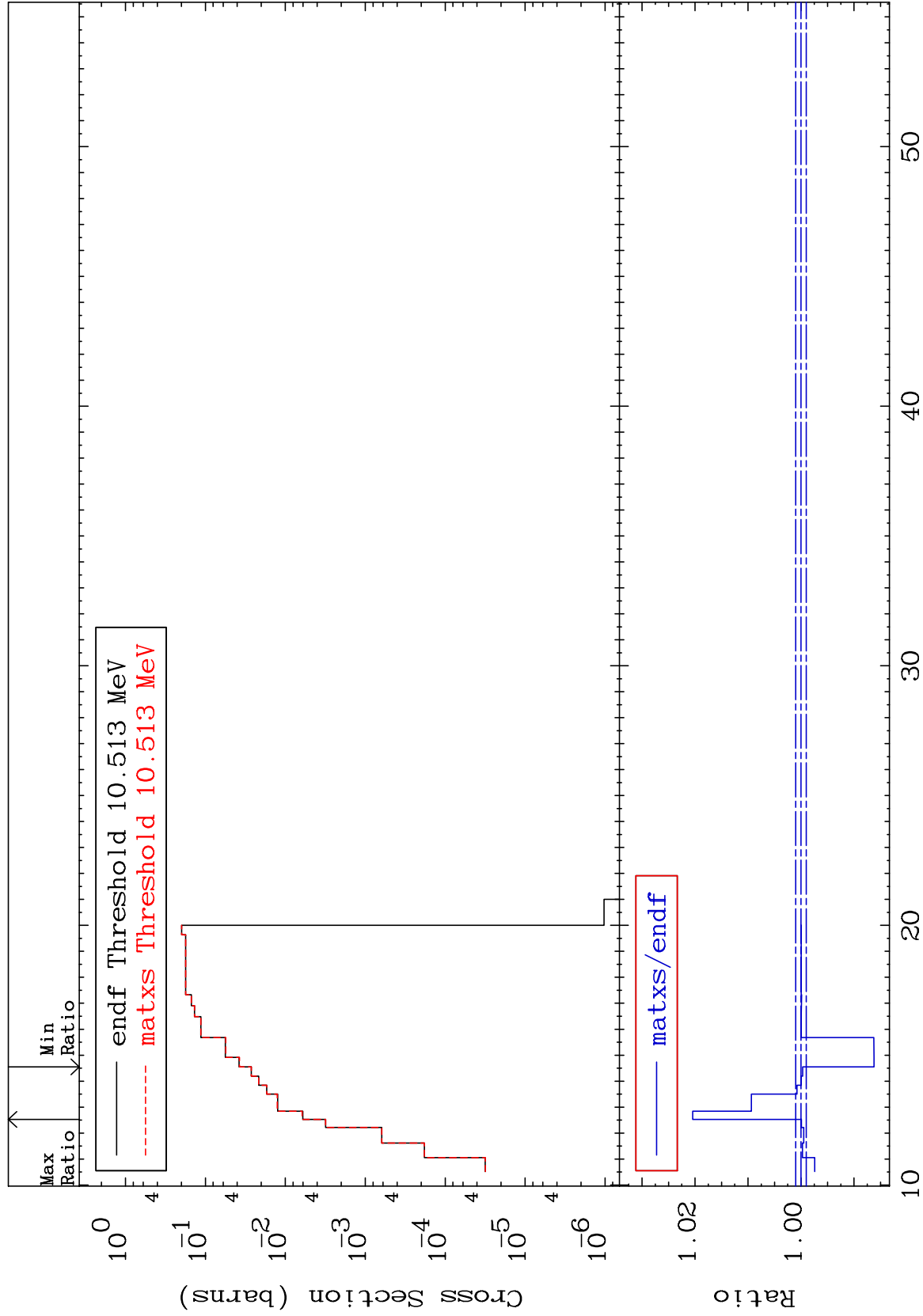
Incident Energy (MeV)

24-Cr-52

MAT 2431

(n, n') p  
Cross Section

24-Cr-52  
-1.377 To 2.043 %



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Incident Energy (MeV)

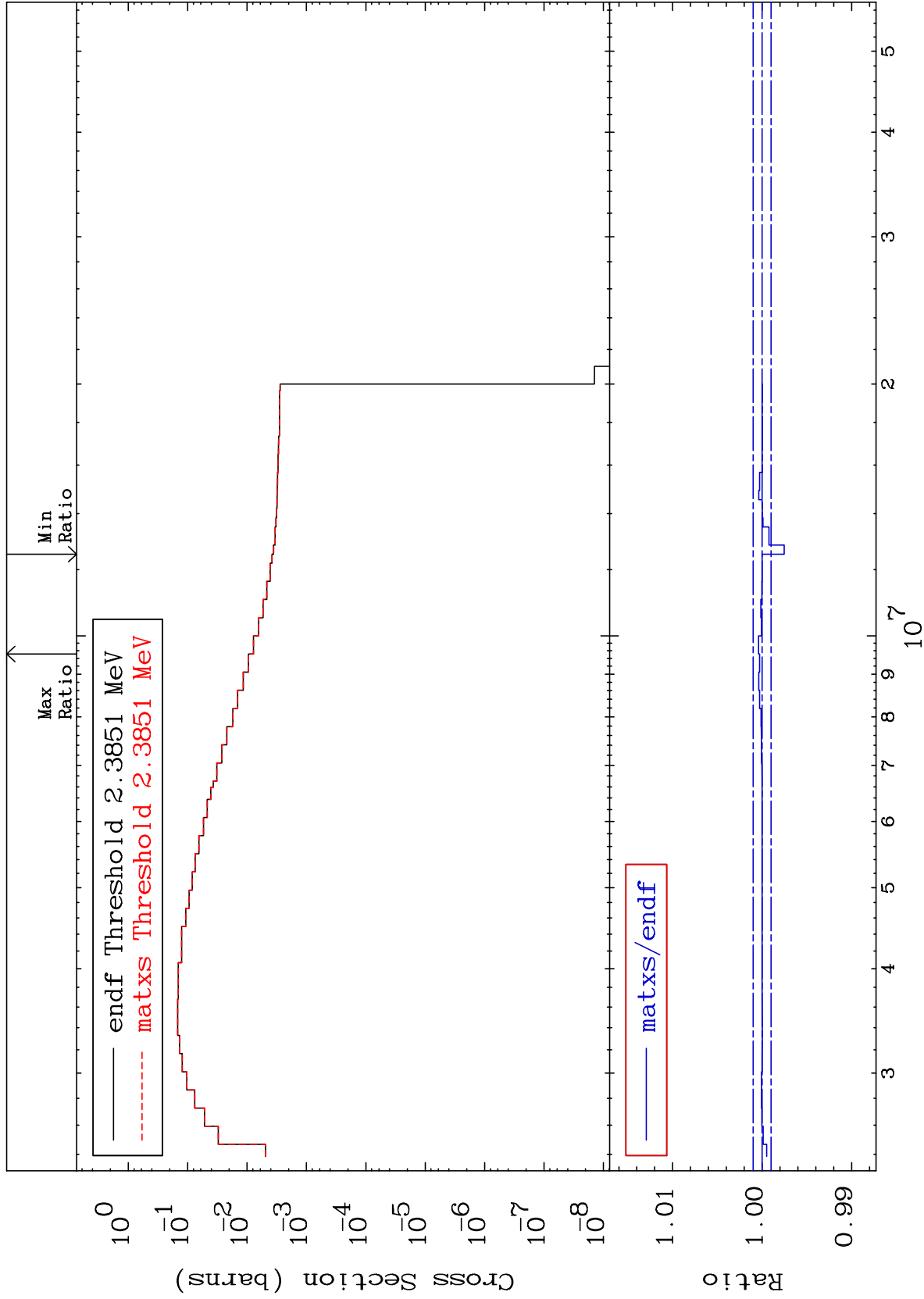
24-Cr-52



MAT 2431

2.370 MeV (n,n') Level  
Cross Section

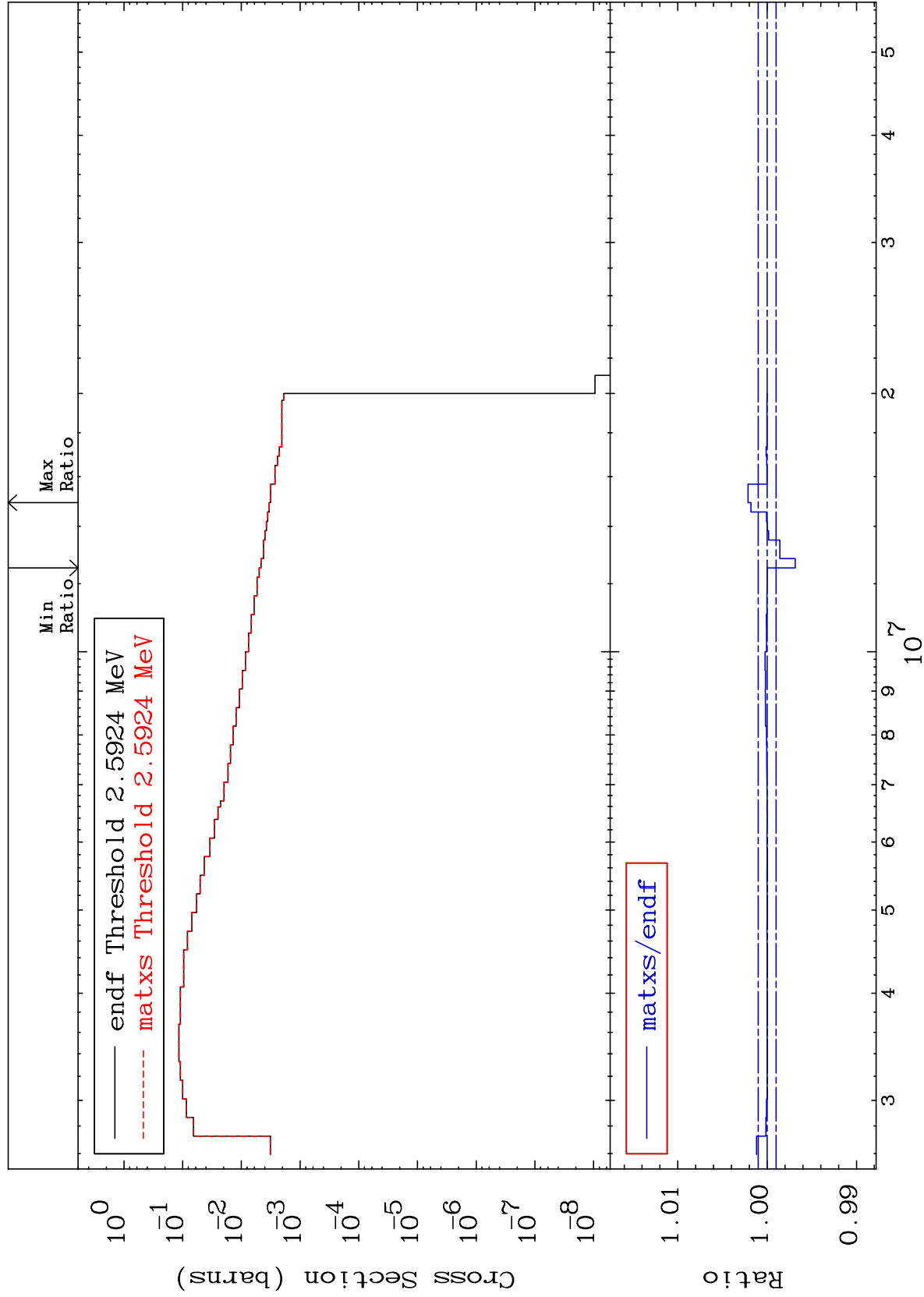
24-Cr-52  
-0.246 To 0.039 %



MAT 2431

2.647 MeV (n,n') Level  
Cross Section

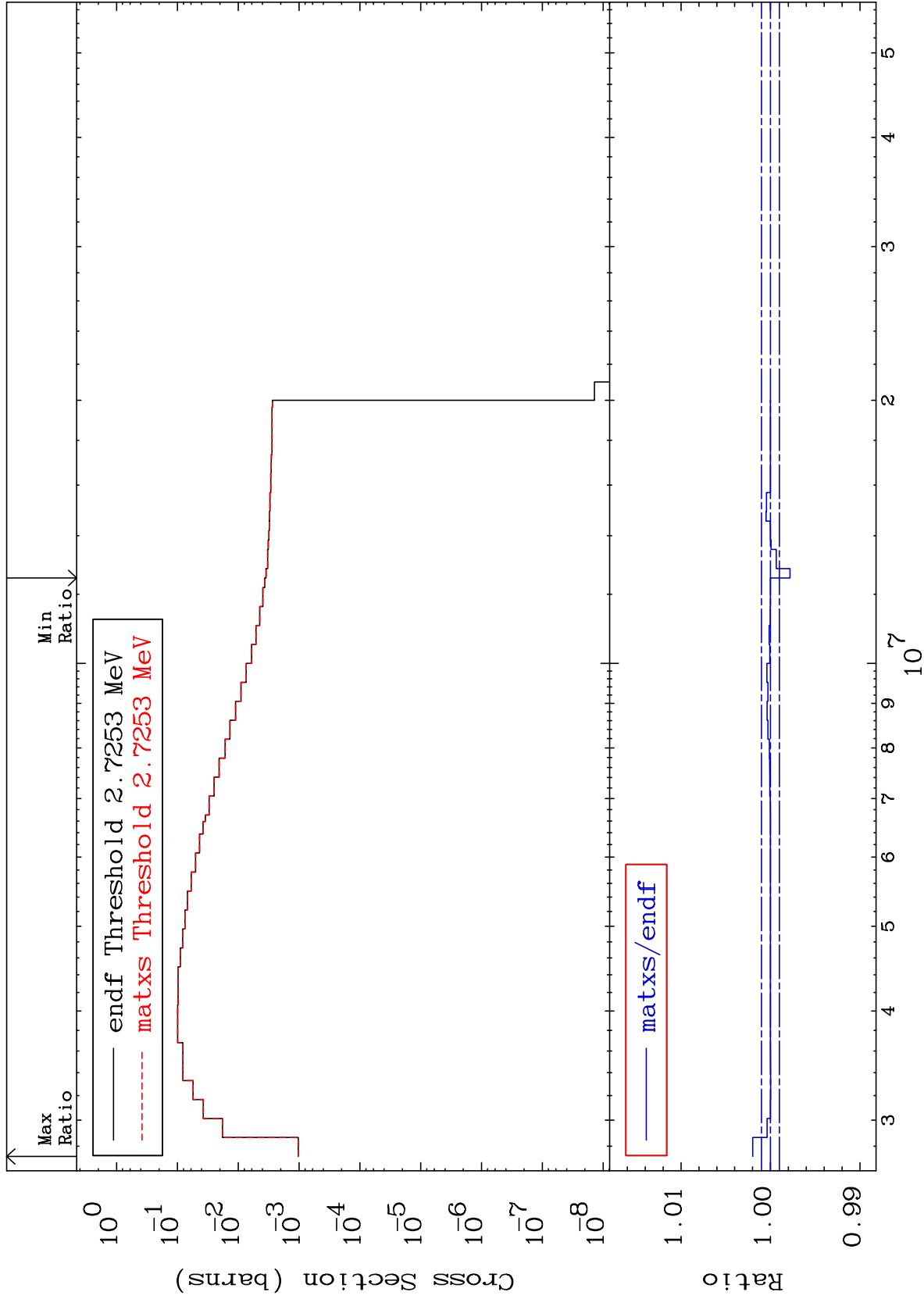
24-Cr-52  
-0.315 To 0.214 %



MAT 2431

2.768 MeV (n,n') Level  
Cross Section

24-Cr-52  
-0.218 To 0.198 %



10

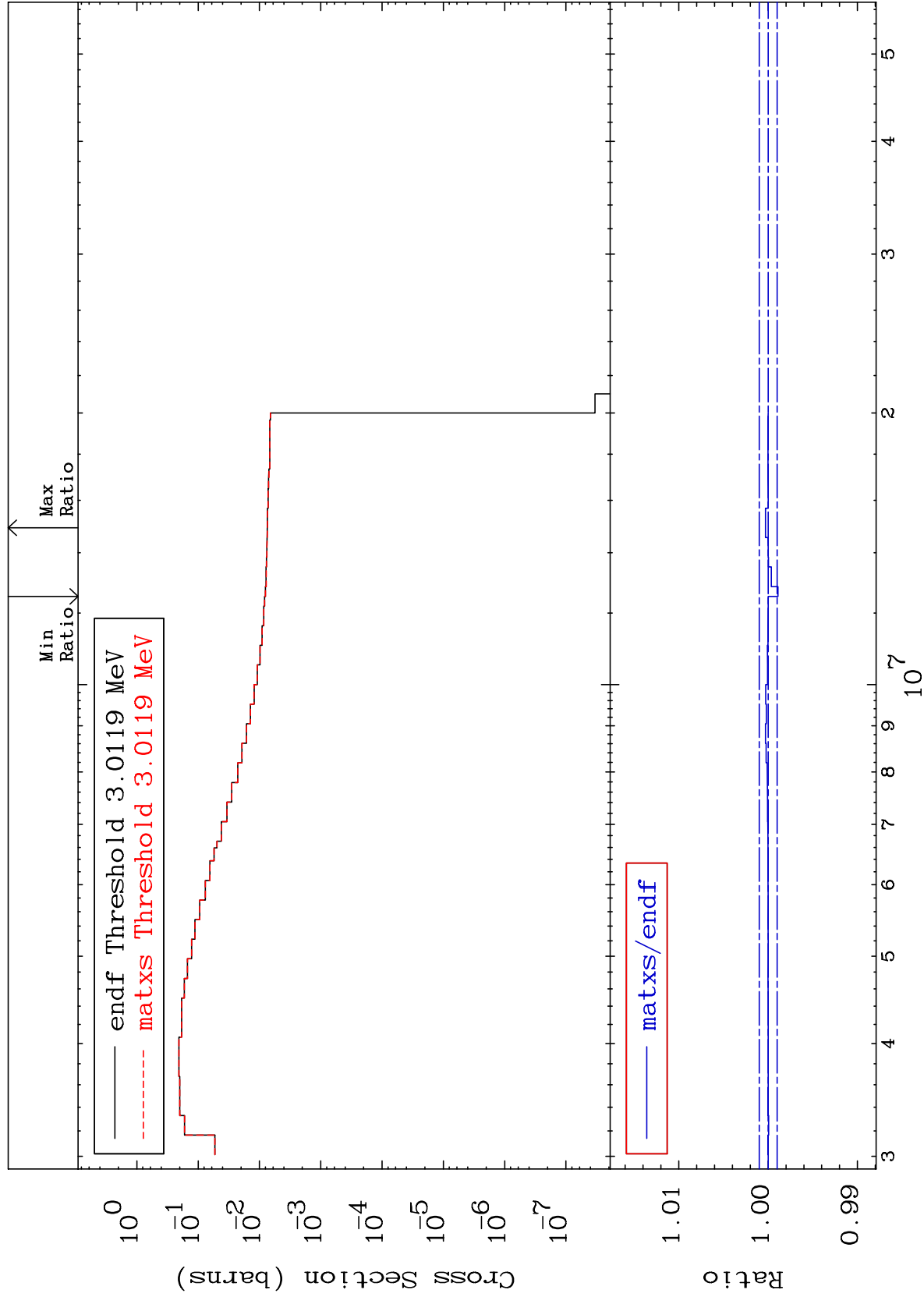
Incident Energy (eV)

24-Cr-52

MAT 2431

2.965 MeV (n,n') Level  
Cross Section

24-Cr-52  
-0.109 To 0.031 %



11

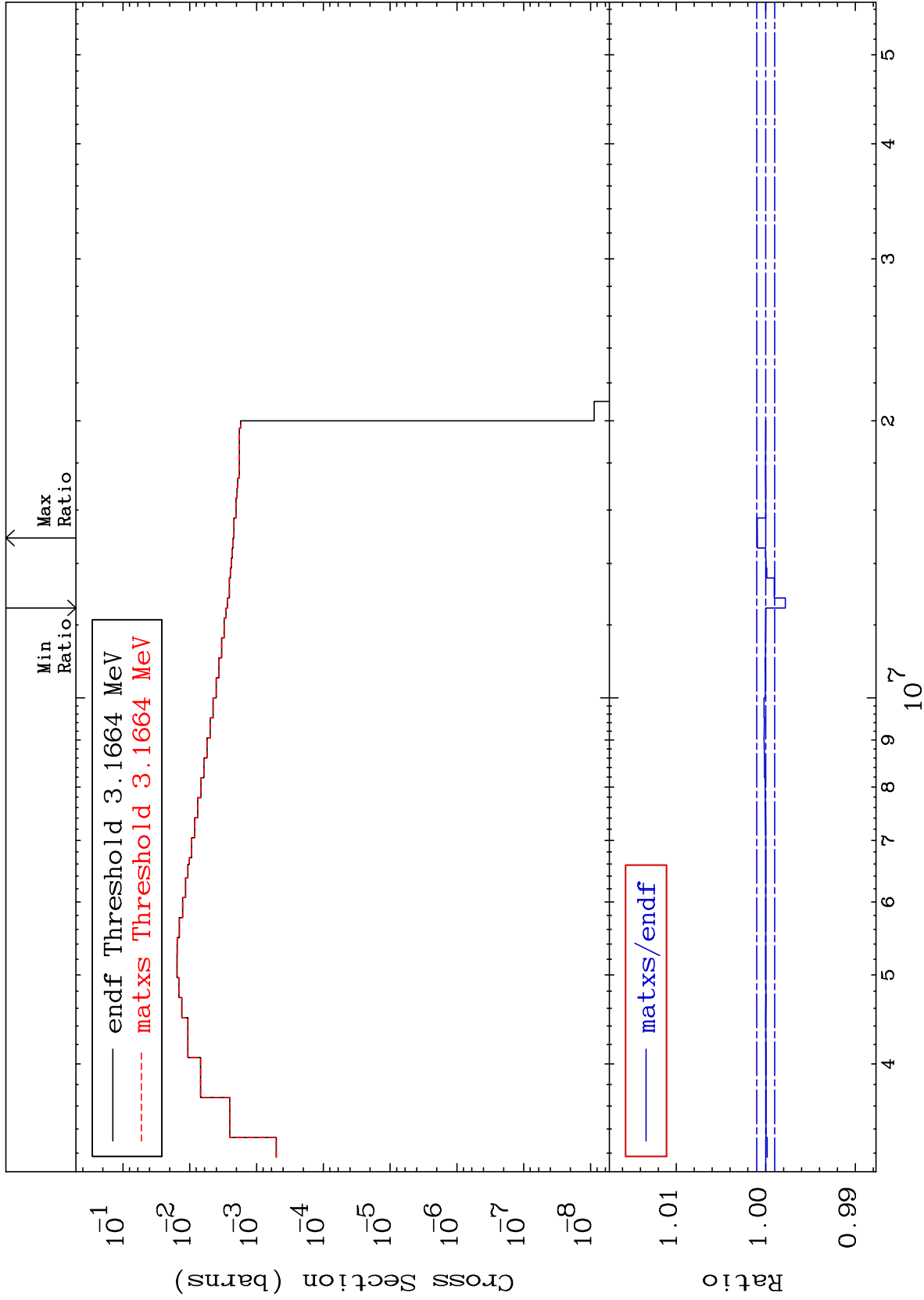
Incident Energy (eV)

24-Cr-52

MAT 2431

3.114 MeV (n,n') Level  
Cross Section

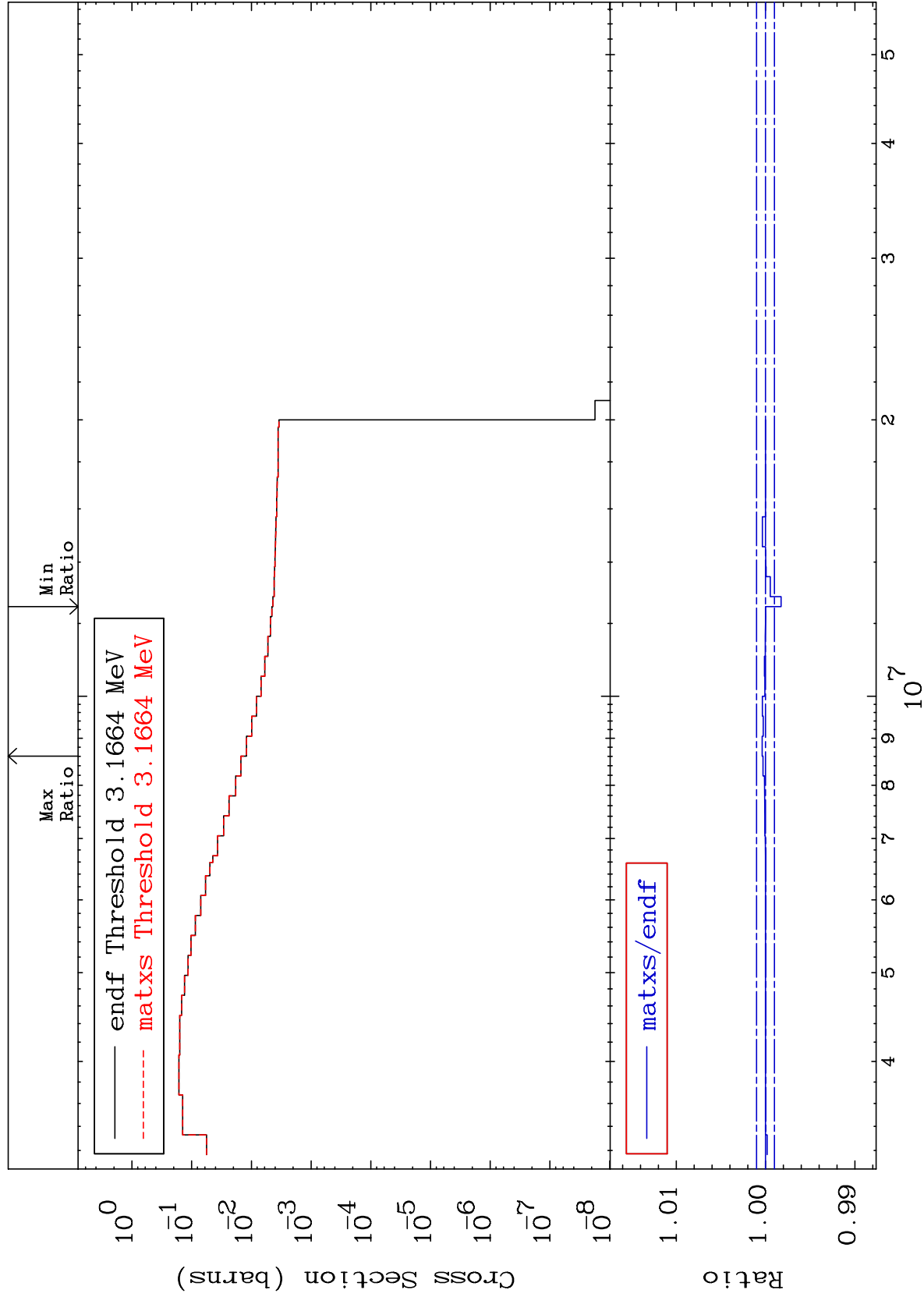
24-Cr-52  
-0.218 To 0.096 %



MAT 2431

3.162 MeV (n,n') Level  
Cross Section

24-Cr-52  
-0.174 To 0.038 %



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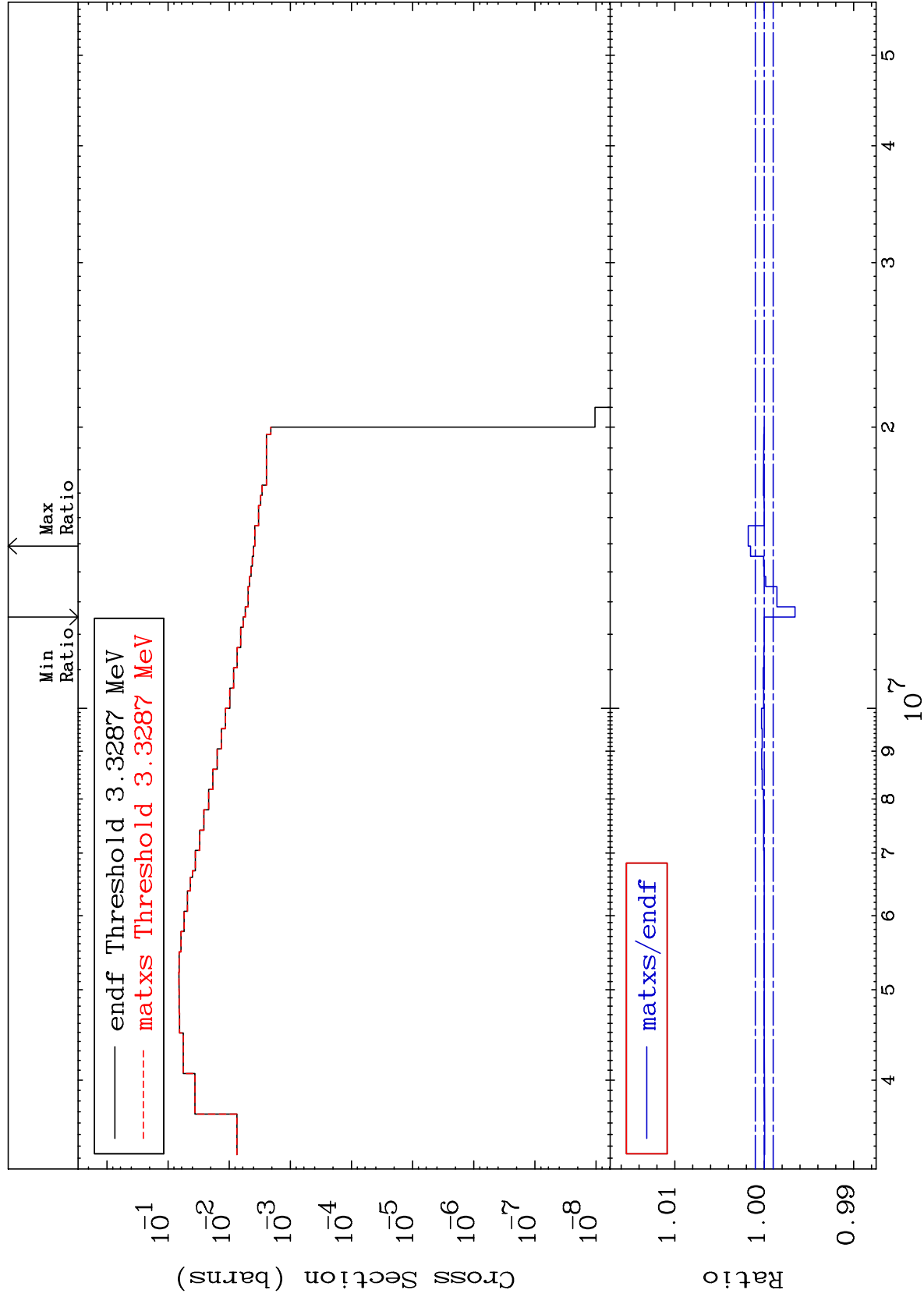
Incident Energy (eV)

24-Cr-52

MAT 2431

3.415 MeV (n,n') Level  
Cross Section

24-Cr-52  
-0.345 To 0.180 %



14

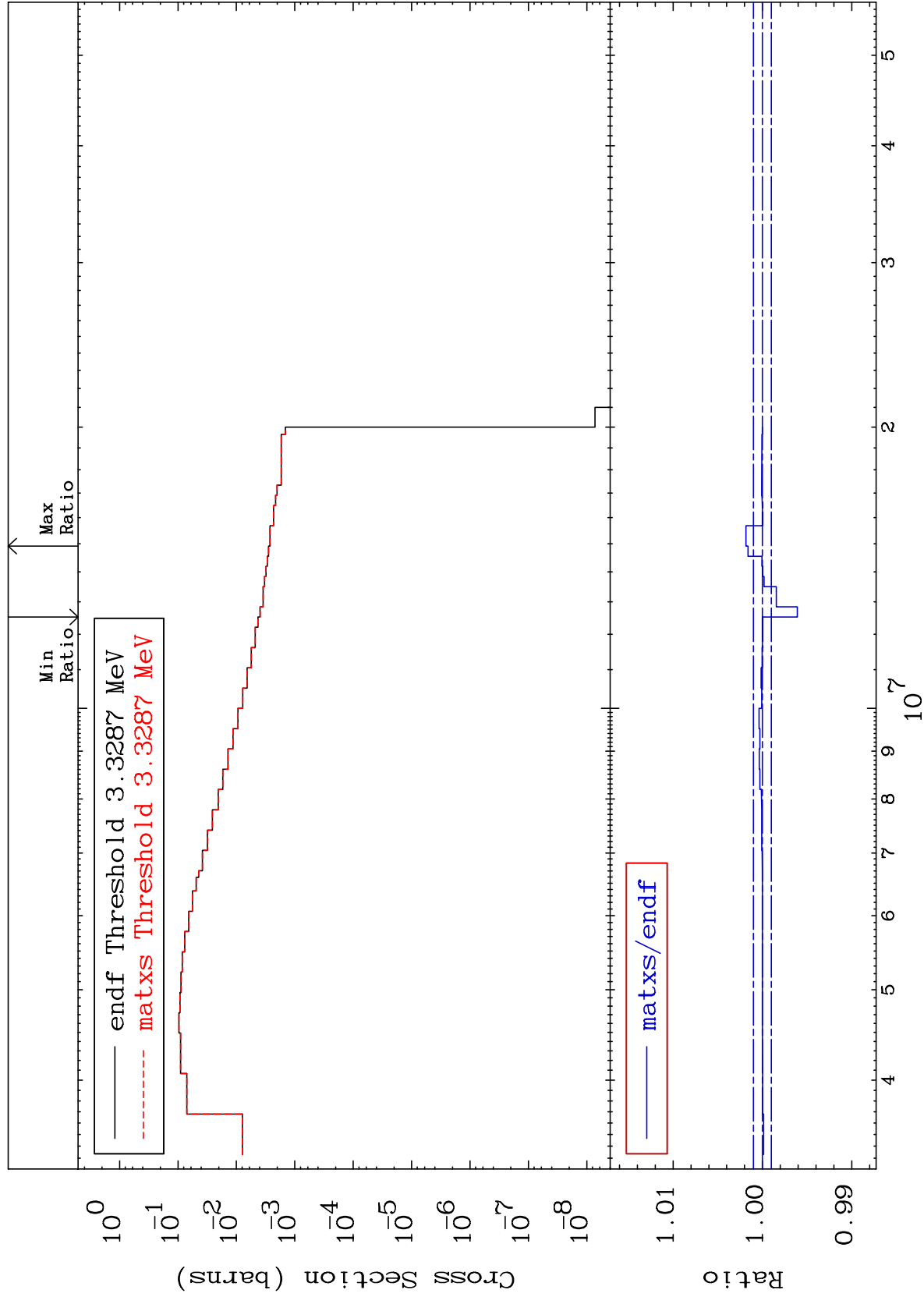
Incident Energy (eV)

24-Cr-52

MAT 2431

3.472 MeV (n,n') Level  
Cross Section

24-Cr-52  
-0.390 To 0.184 %



15

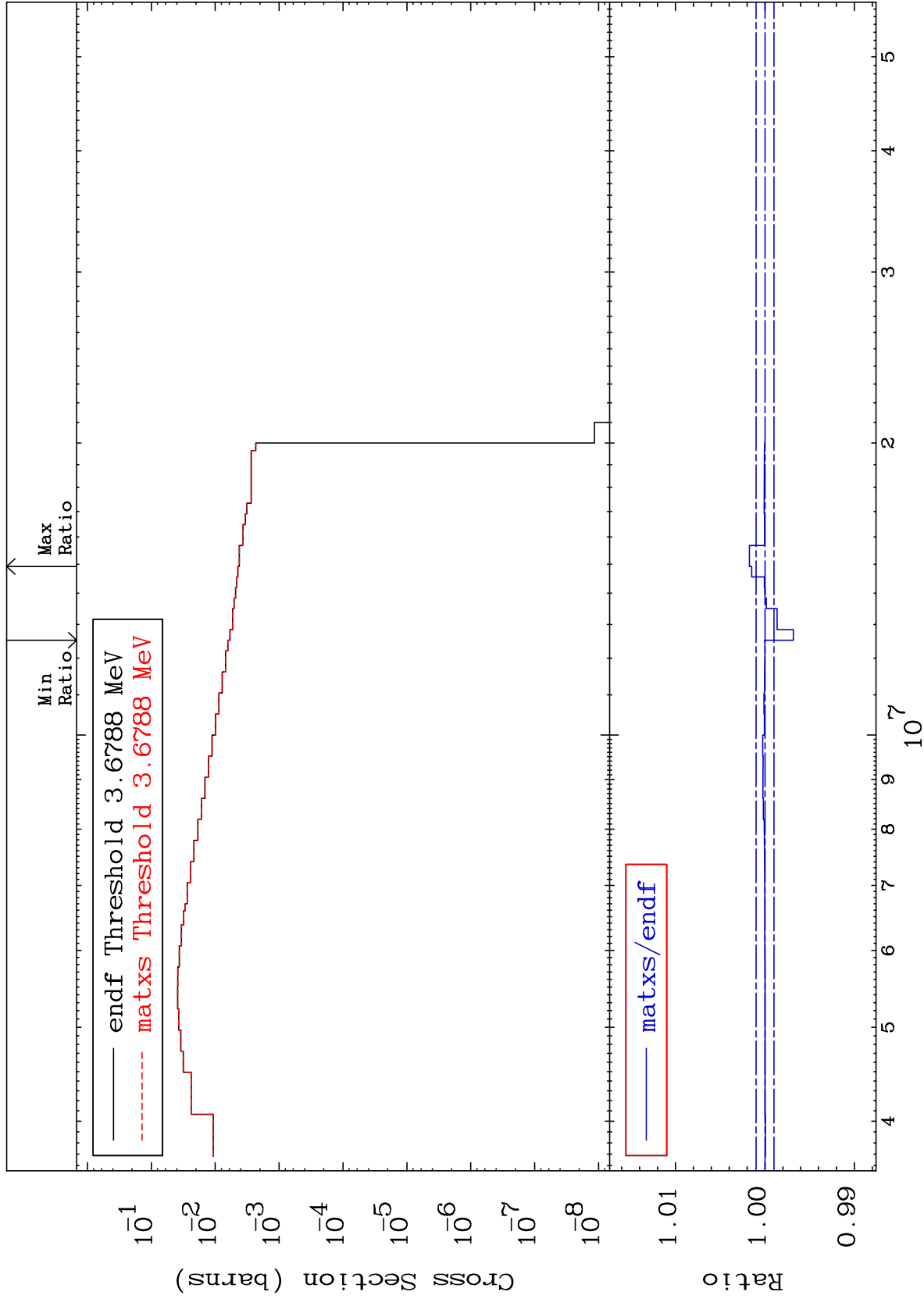
24-Cr-52



MAT 2431

3.616 MeV (n,n') Level  
Cross Section

24-Cr-52  
-0.318 To 0.174 %



16

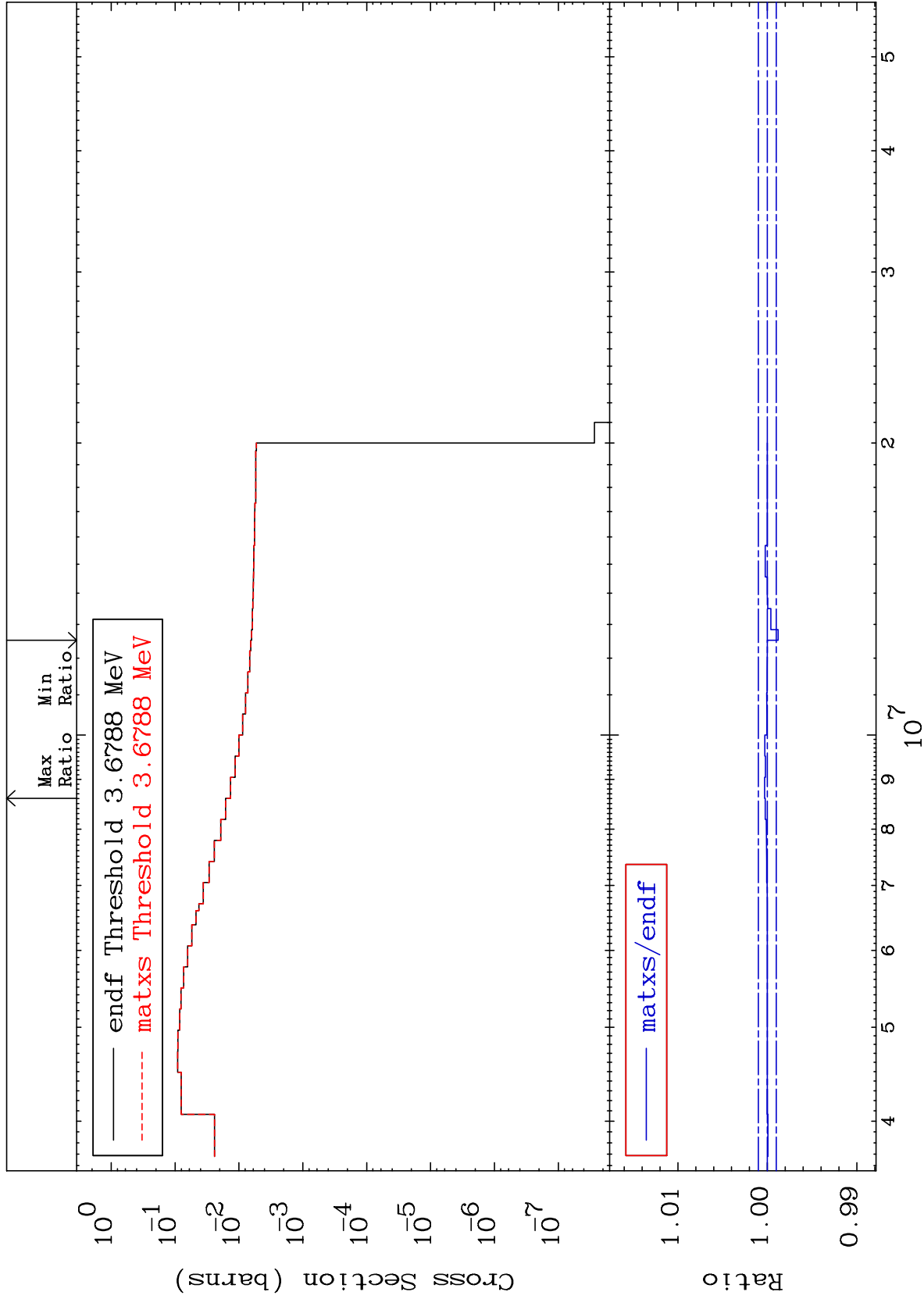
Incident Energy (eV)

24-Cr-52

MAT 2431

3.772 MeV (n,n') Level  
Cross Section

24-Cr-52  
-0.122 To 0.031 %



17

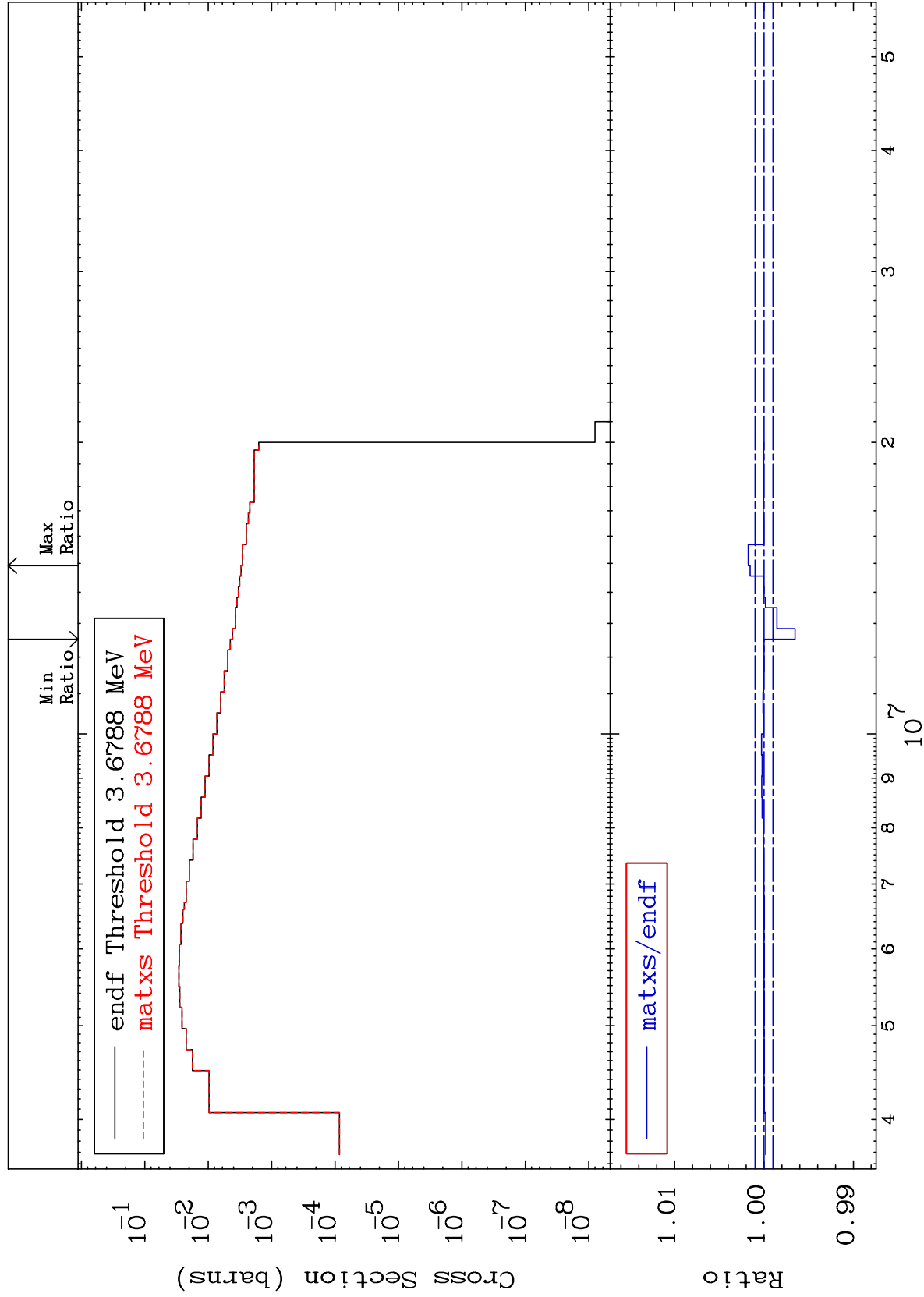
Incident Energy (eV)

24-Cr-52

MAT 2431

3.949 MeV (n,n') Level  
Cross Section

24-Cr-52  
-0.347 To 0.176 %



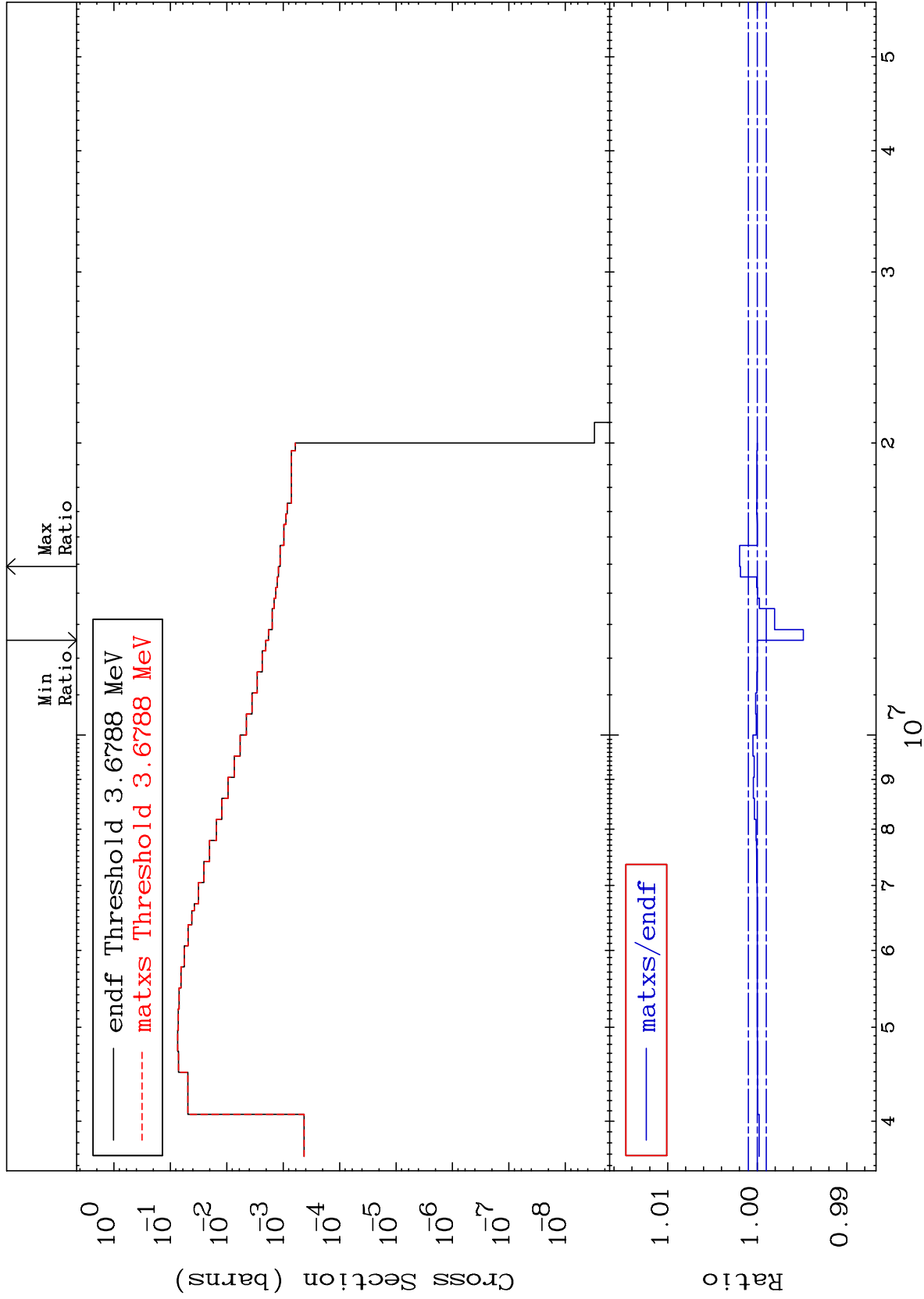
18

24-Cr-52

MAT 2431

3.951 MeV (n,n') Level  
Cross Section

24-Cr-52  
-0.512 To 0.199 %



19

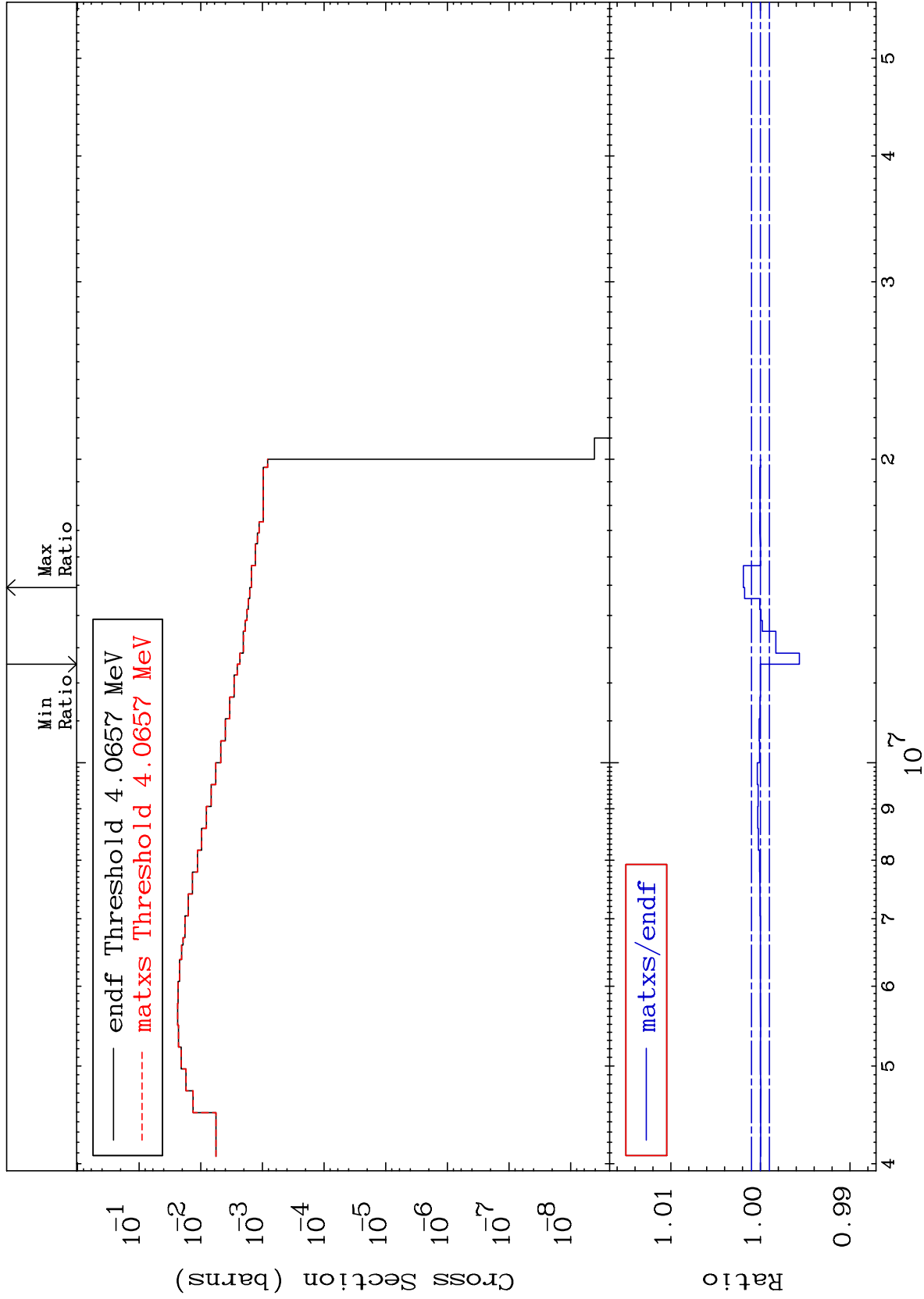
Incident Energy (eV)

24-Cr-52

MAT 2431

4.015 MeV (n,n') Level  
Cross Section

24-Cr-52  
-0.435 To 0.191 %



20

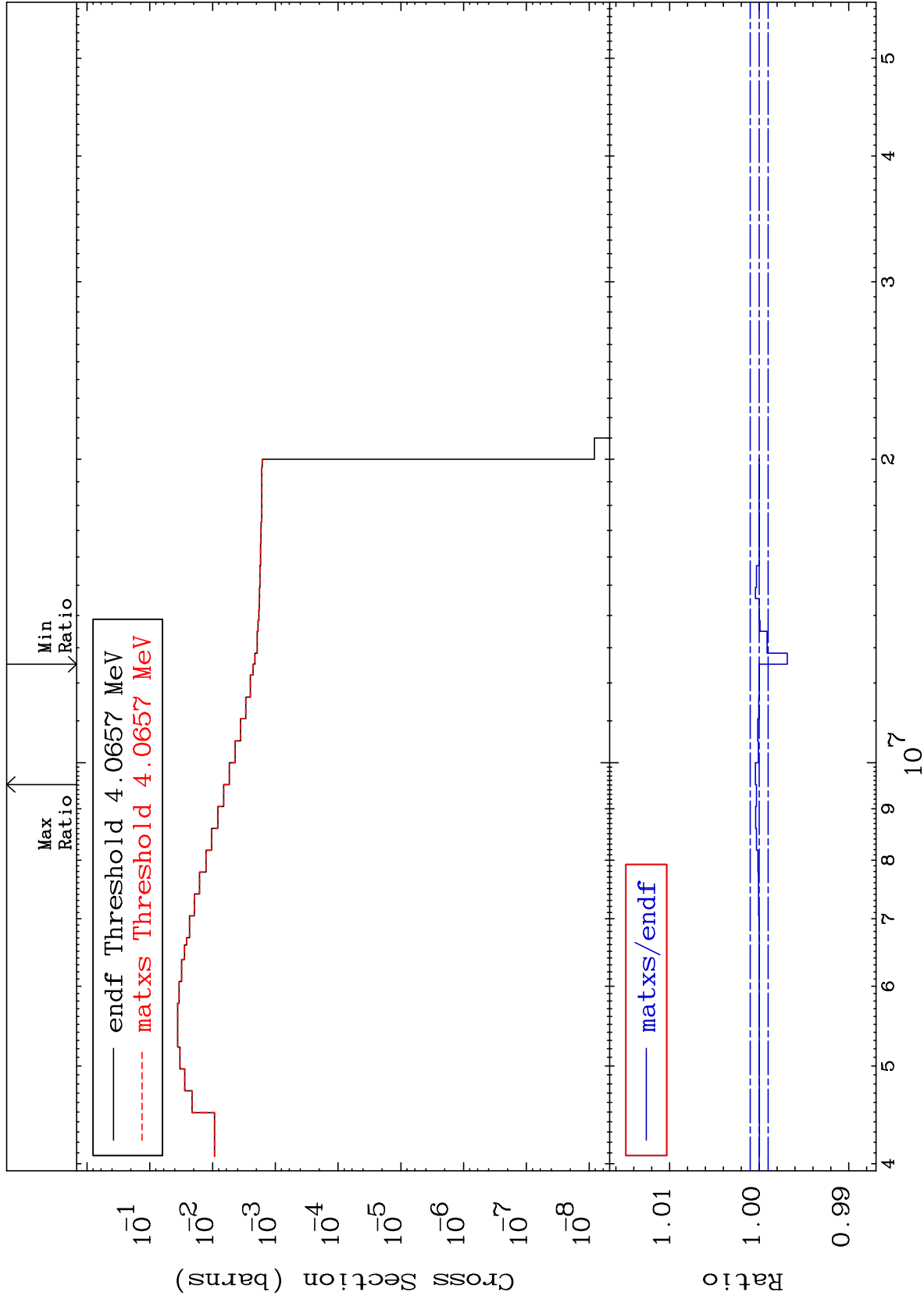
Incident Energy (eV)

24-Cr-52

MAT 2431

4.039 MeV (n,n') Level  
Cross Section

24-Cr-52  
-0.314 To 0.042 %



21

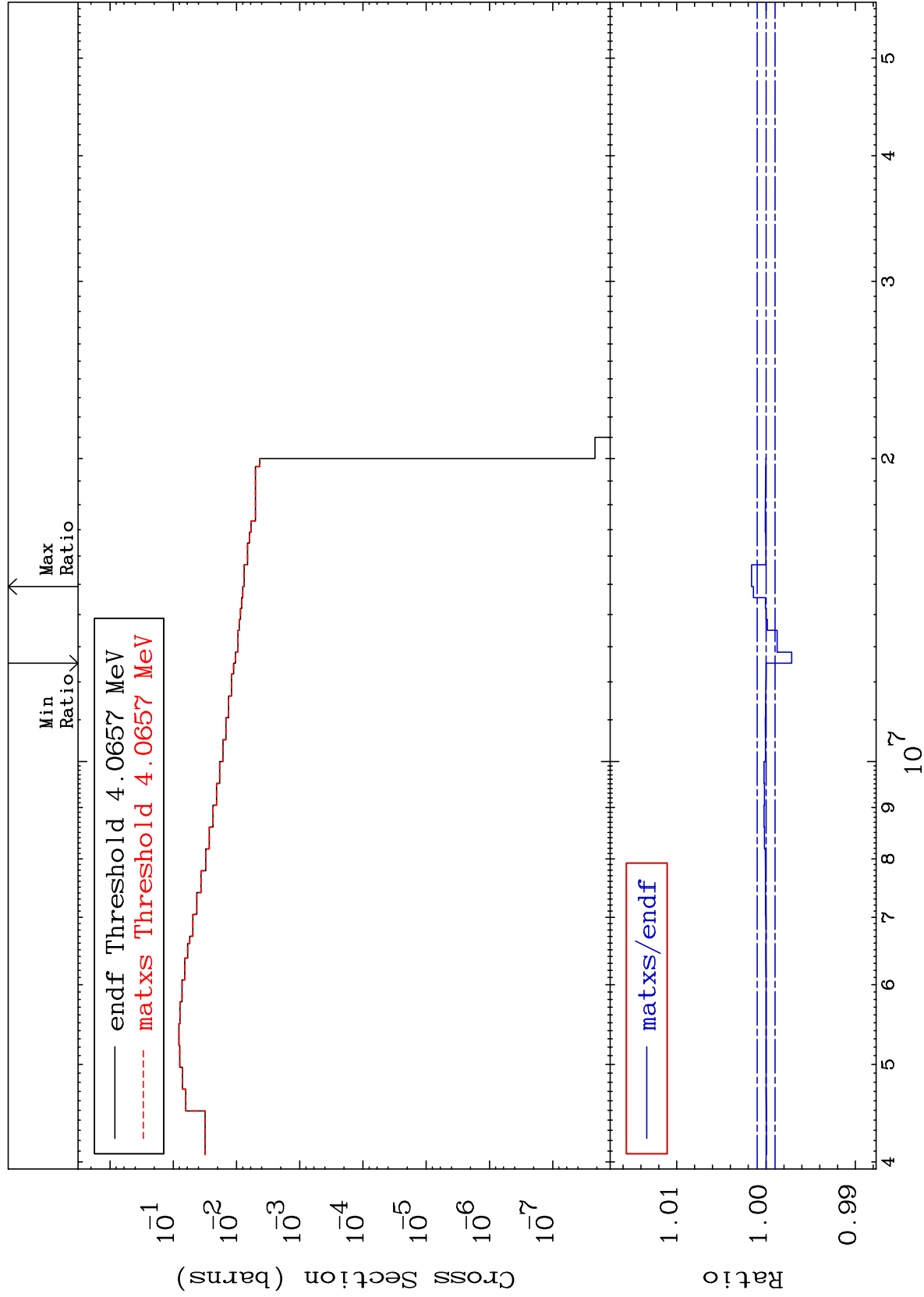
Incident Energy (eV)

24-Cr-52

MAT 2431

4.100 MeV (n,n') Level  
Cross Section

24-Cr-52  
-0.286 To 0.161 %



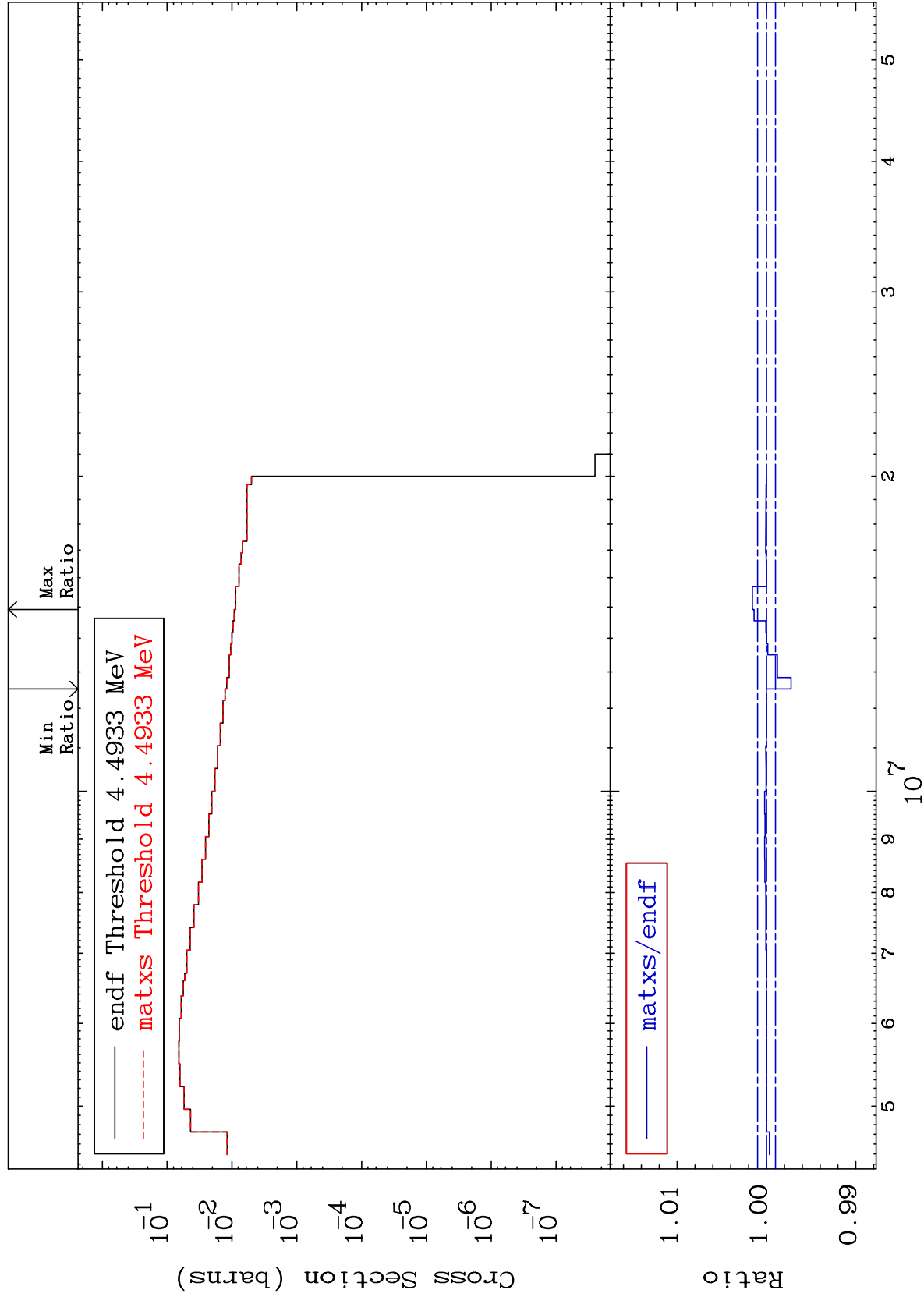
22

24-Cr-52

MAT 2431

4.470 MeV (n,n') Level  
Cross Section

24-Cr-52  
-0.274 To 0.159 %

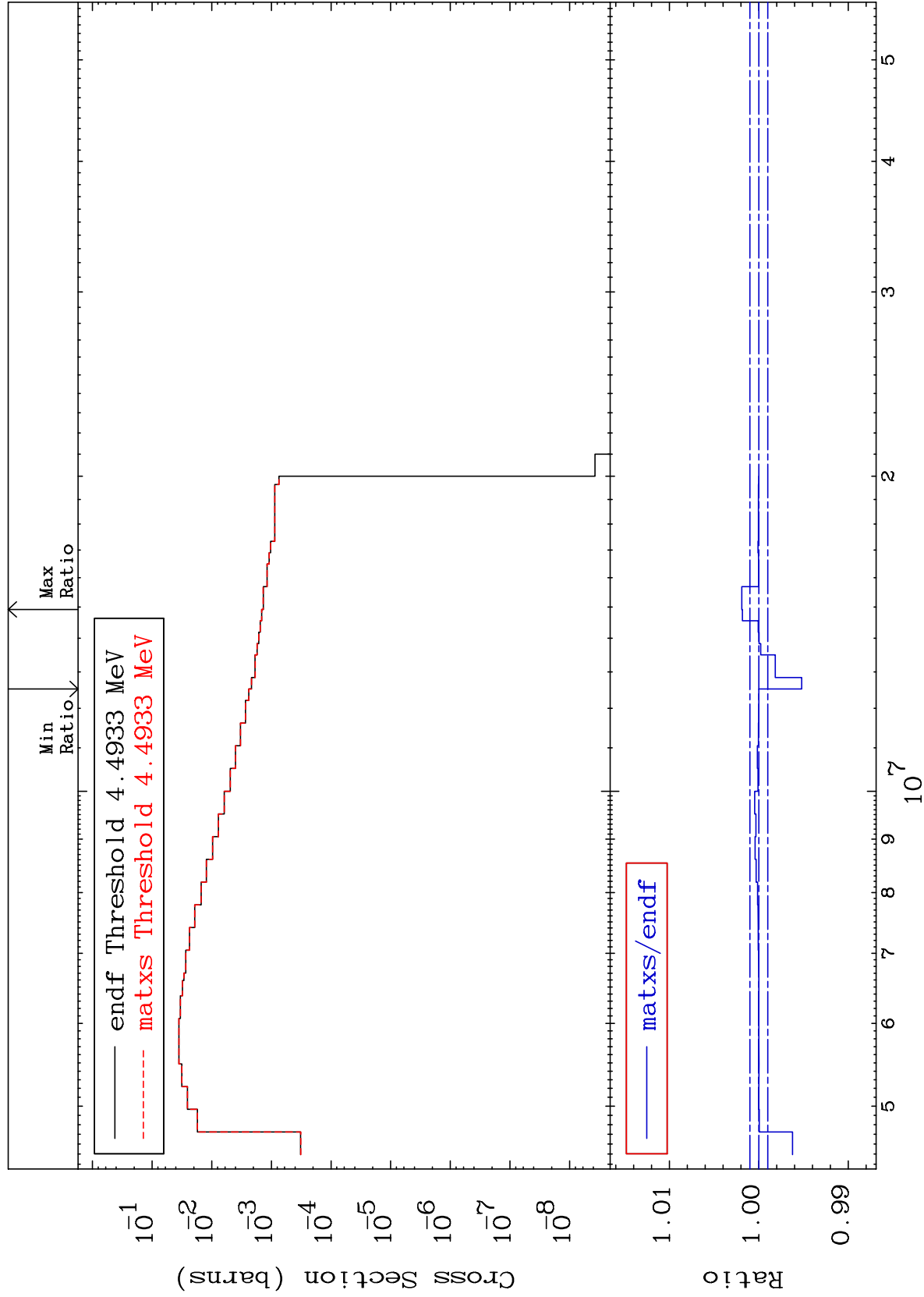




MAT 2431

4.611 MeV (n,n') Level  
Cross Section

24-Cr-52  
-0.478 To 0.192 %



24

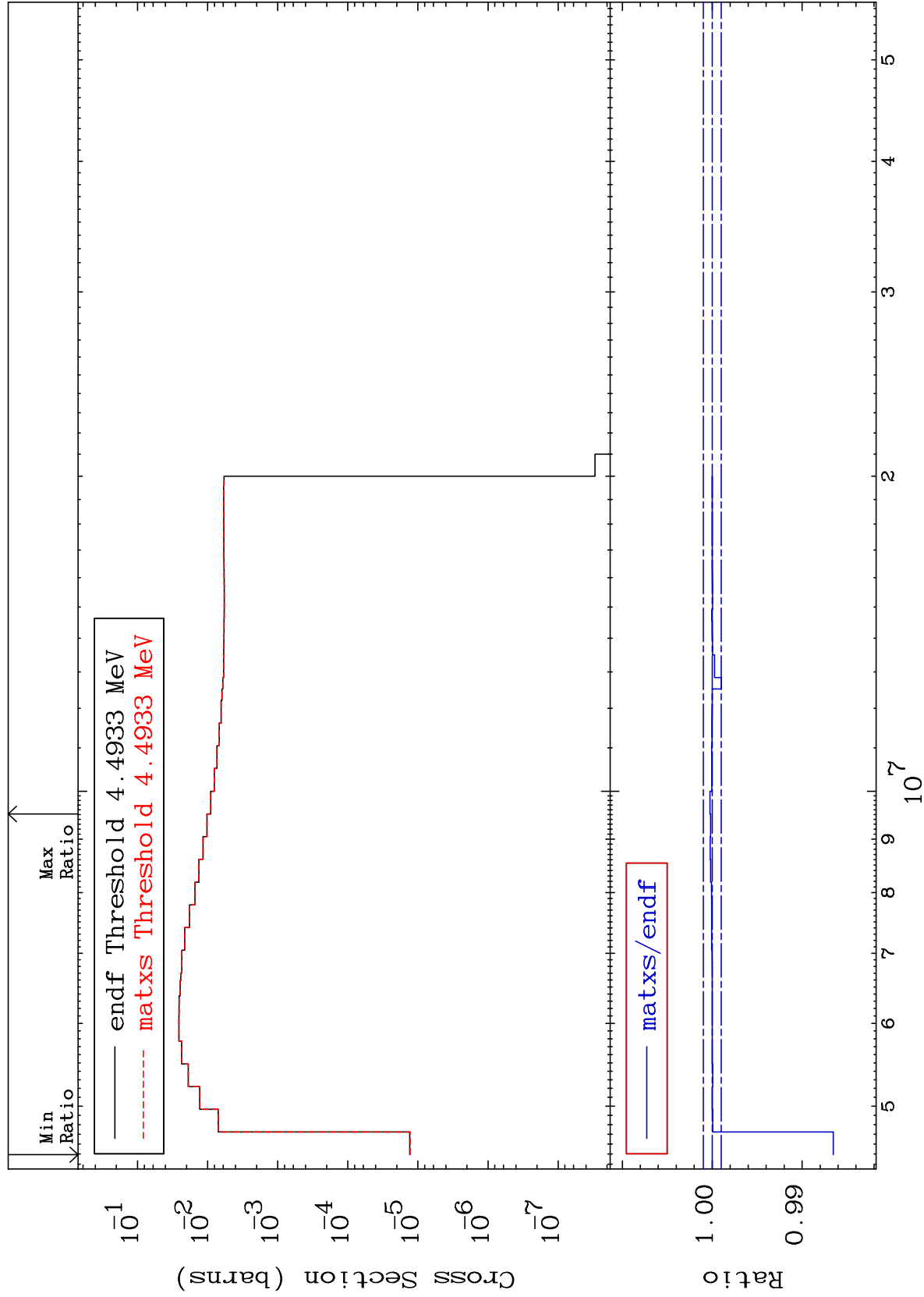
Incident Energy (eV)

24-Cr-52

MAT 2431

4.627 MeV (n,n') Level  
Cross Section

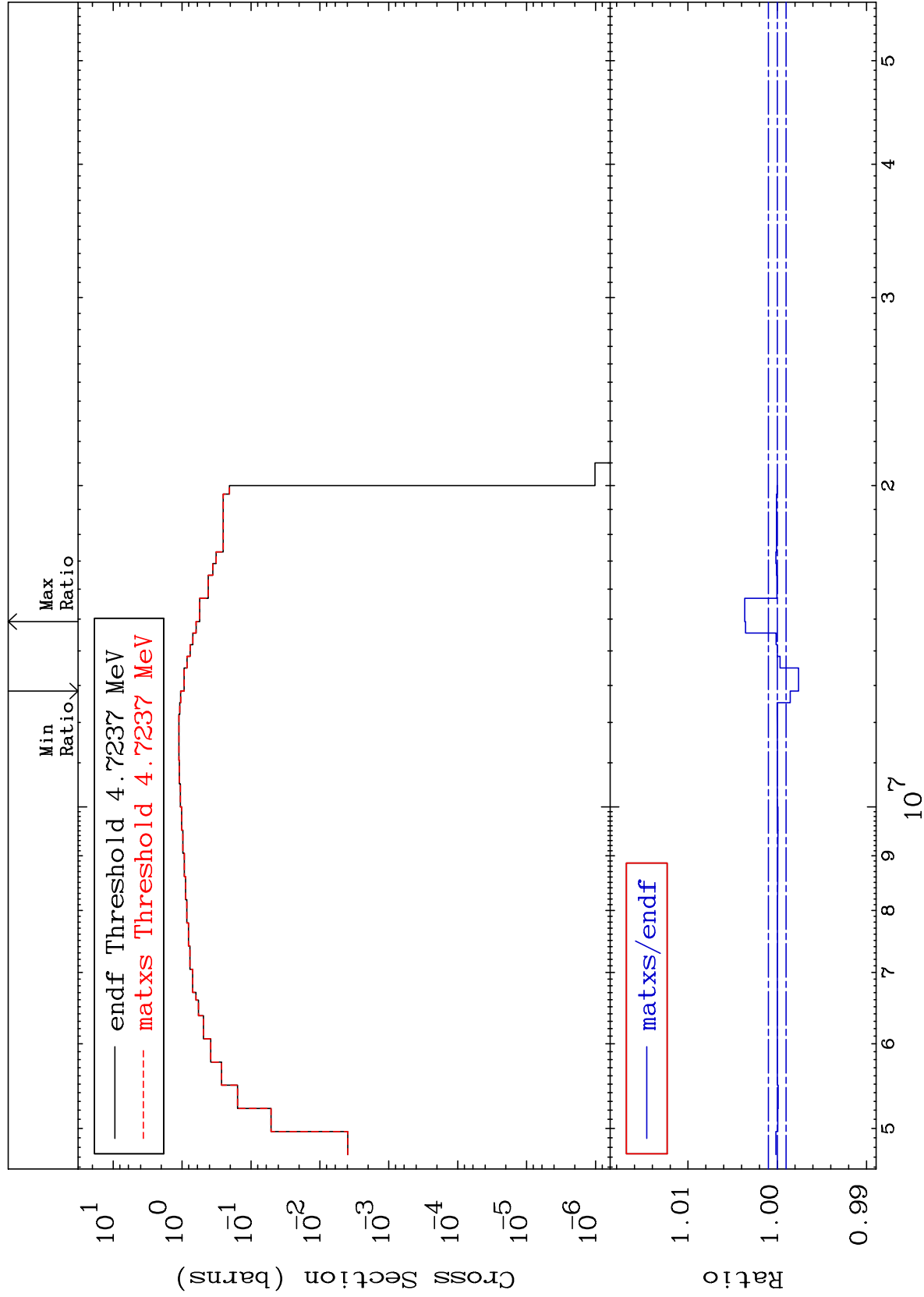
24-Cr-52  
-1.346 To 0.024 %



MAT 2431

(n,n') Continuum  
Cross Section

24-Cr-52  
-0.240 To 0.365 %



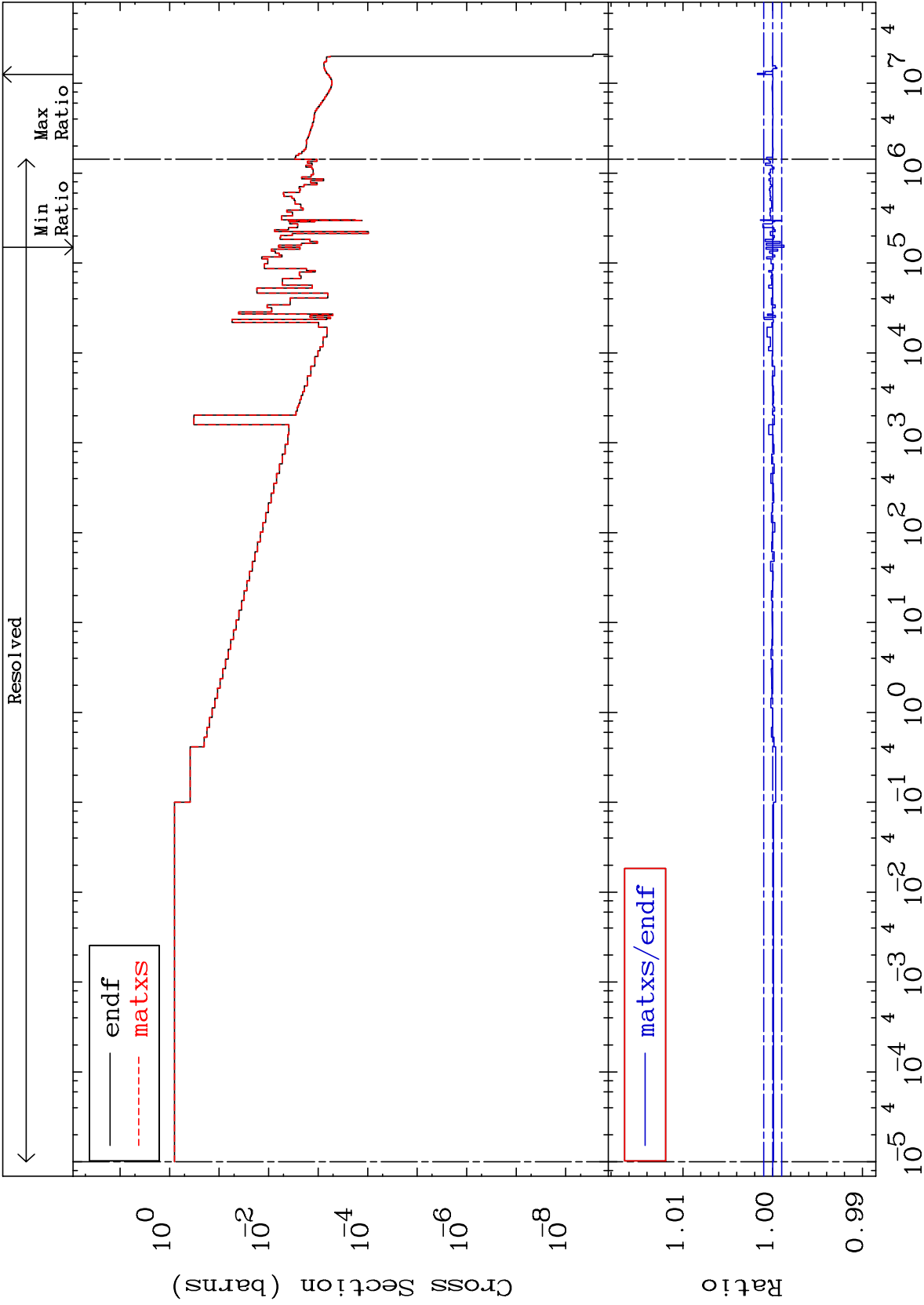
MAT 2431

(n,  $\gamma$ )

24-Cr-52

Cross Section

-0.126 To 0.170 %



MAT 2431

(n,p)

24-Cr-52  
-0.019 To 0.168 %

Cross Section

Min Ratio

Max Ratio

— endf Threshold 3.1664 MeV  
- - - matxs Threshold 3.1664 MeV

Cross Section (barns)

— matxs/endlf

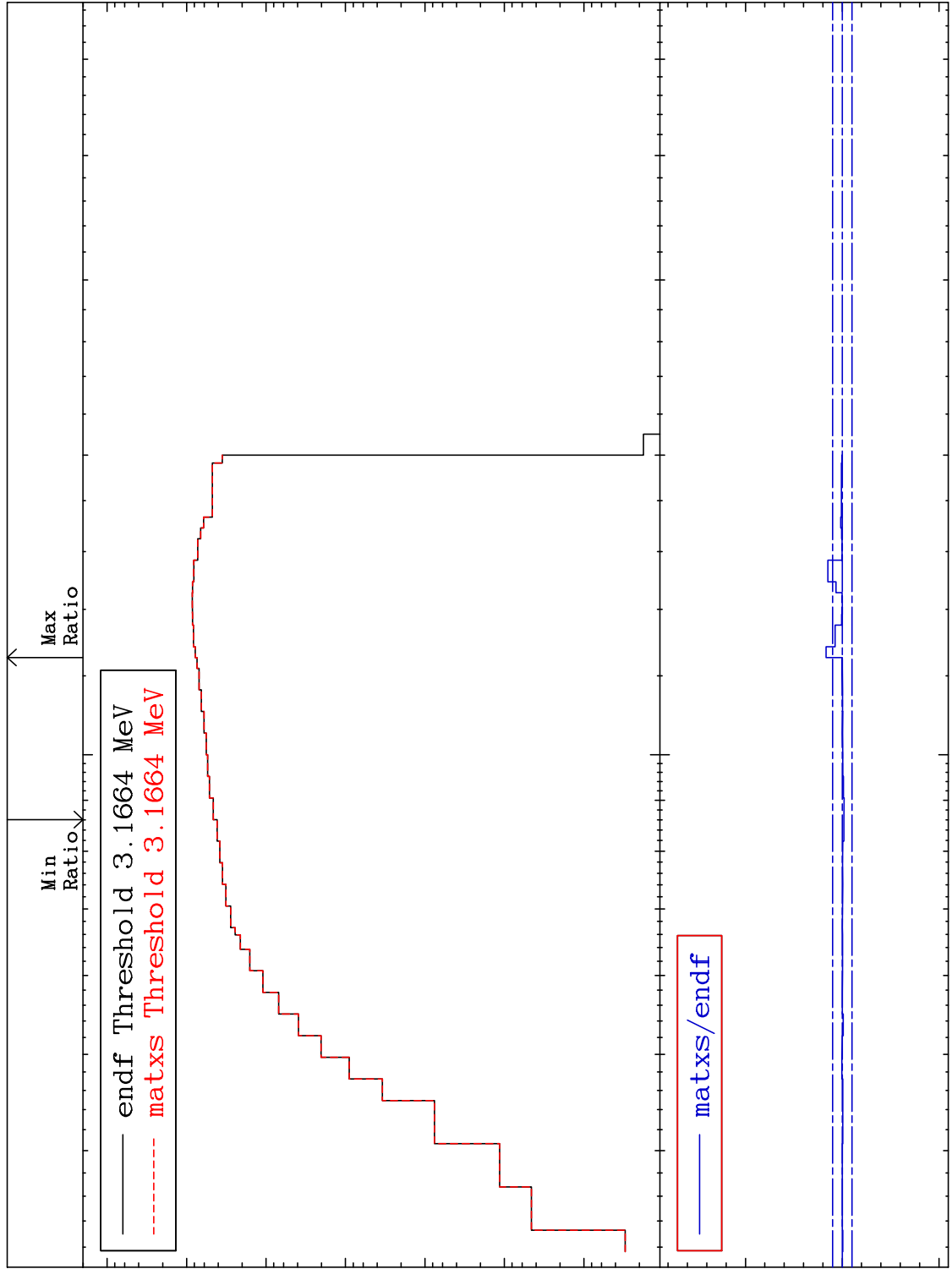
Ratio

$10^7$

Incident Energy (eV)

28

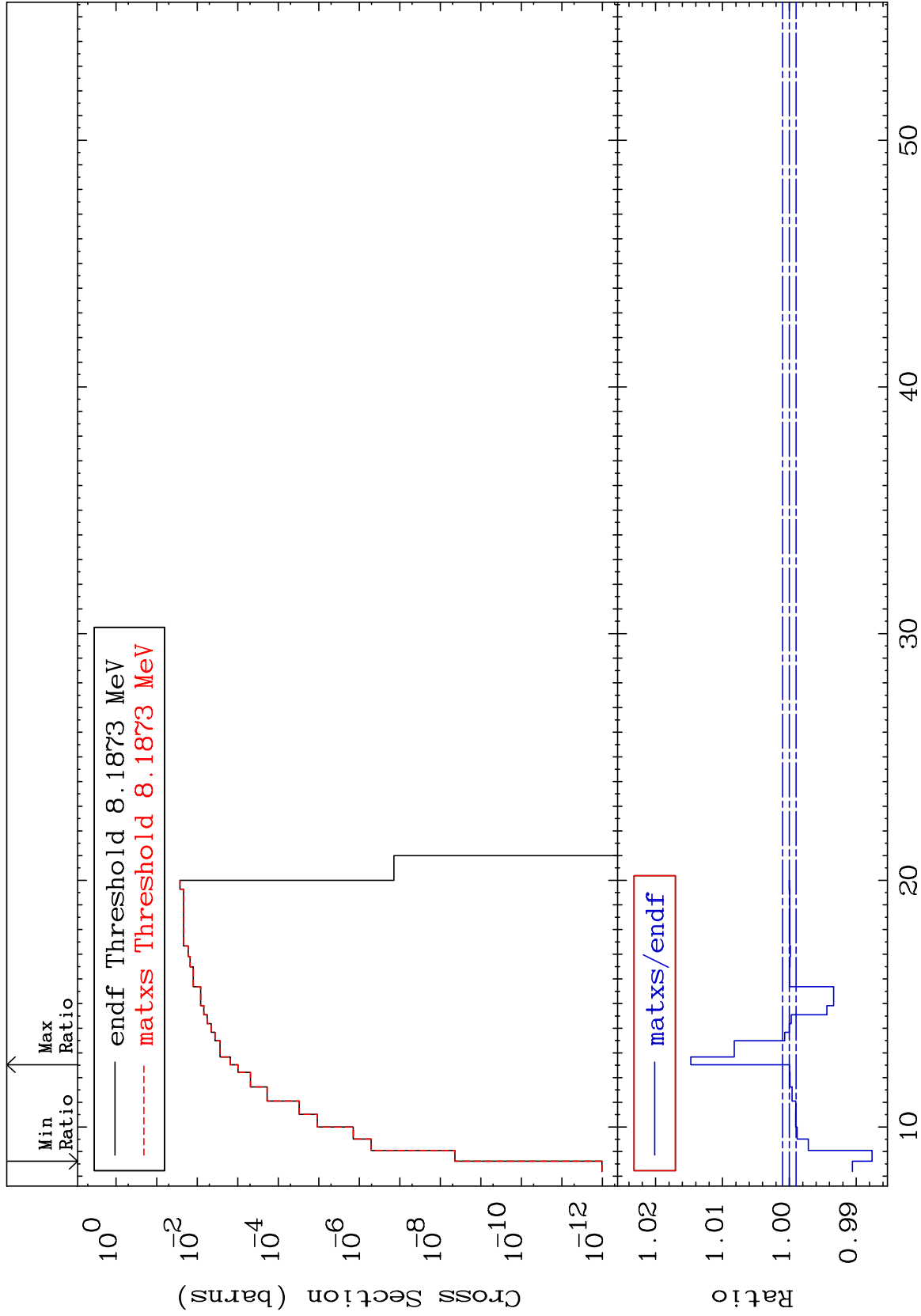
24-Cr-52



MAT 2431

(n,d)  
Cross Section

24-Cr-52  
-1.237 To 1.474 %



29

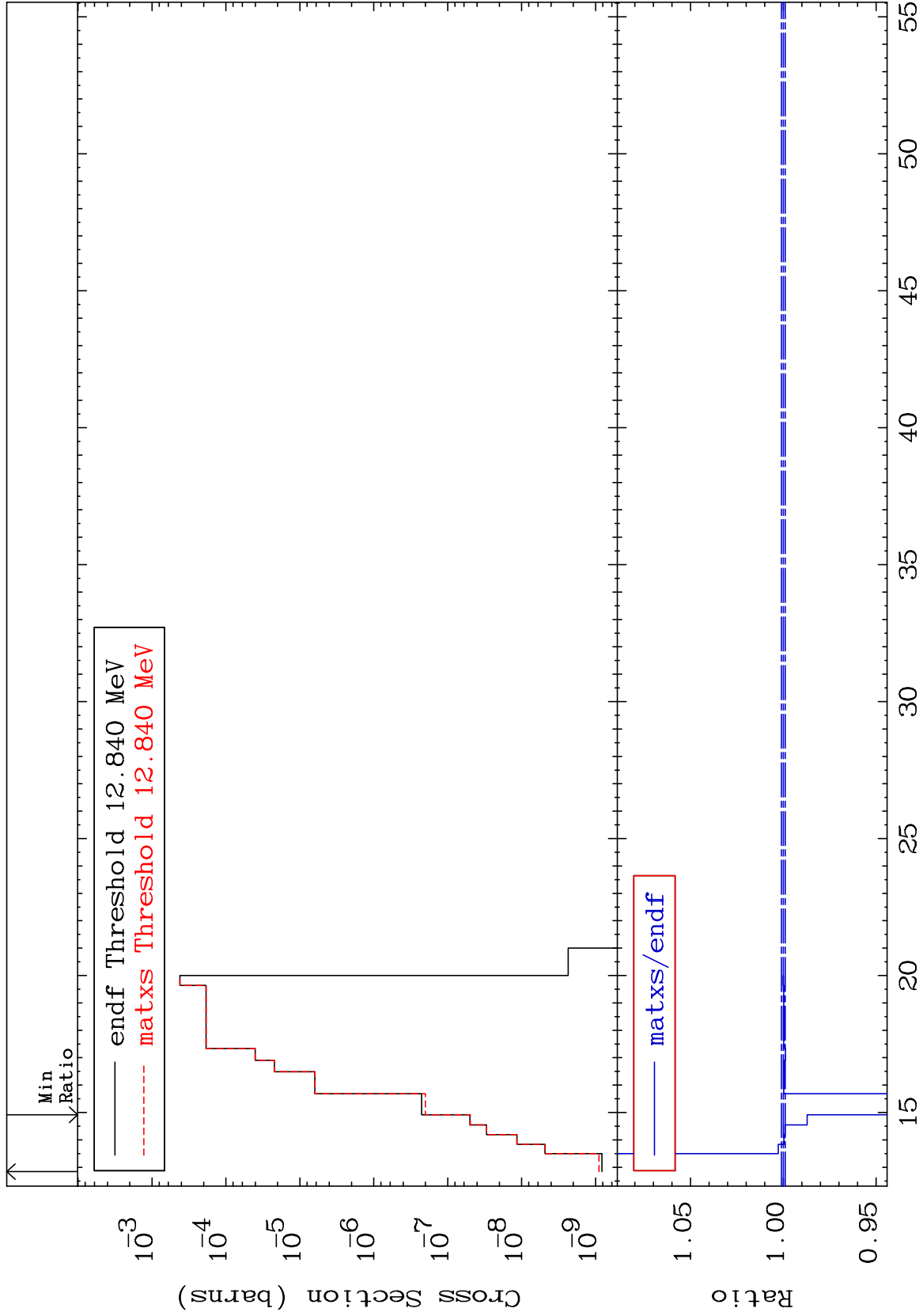
24-Cr-52

24-Cr-52

MAT 2431

(n, t)  
Cross Section

24-Cr-52  
-10.93 To 9.422 %



30

Incident Energy (MeV)

24-Cr-52

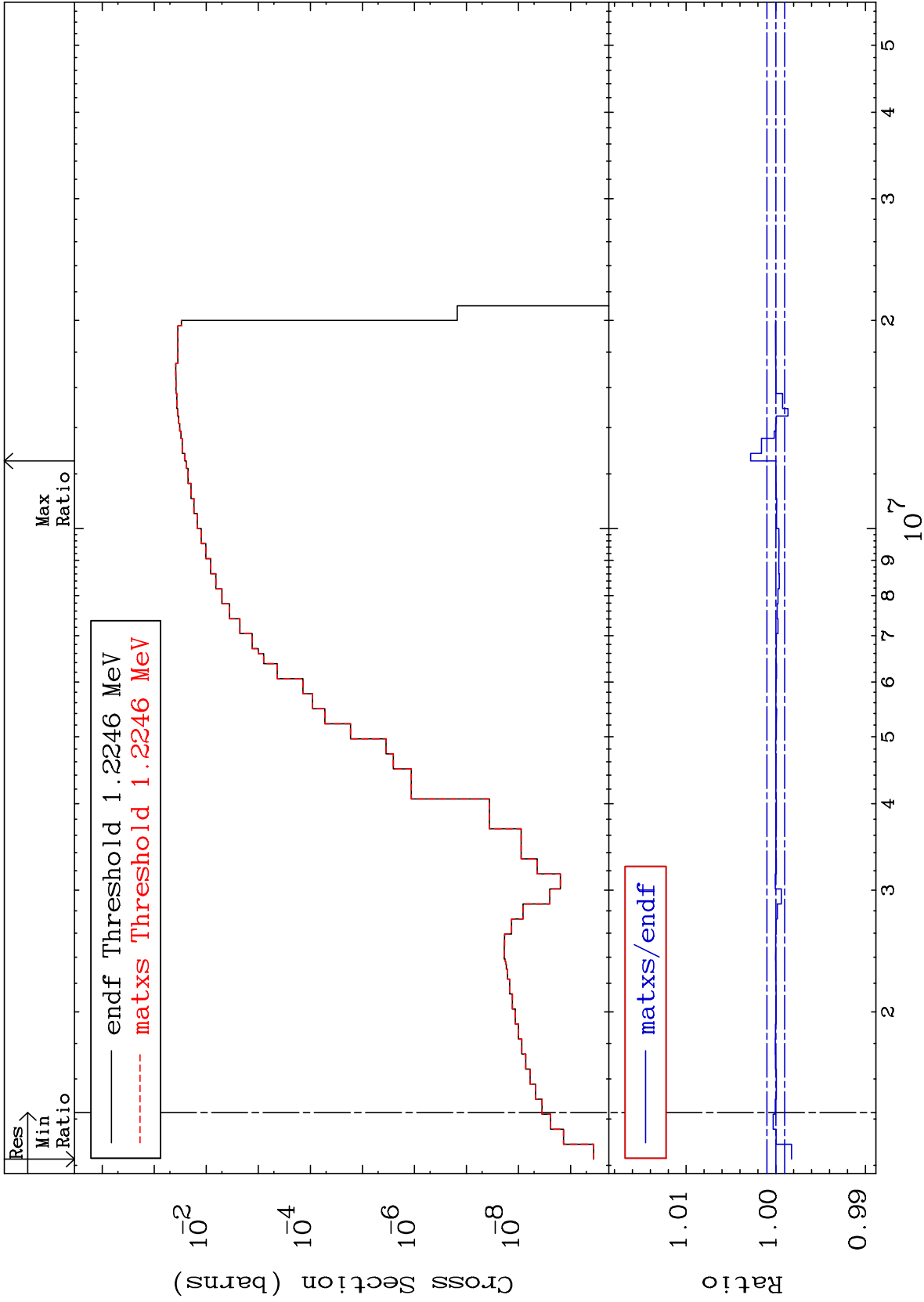
MAT 2431

(n,  $\alpha$ )

24-Cr-52

Cross Section

-0.175 To 0.282 %



31

Incident Energy (eV)

24-Cr-52