

Program Complot
(Version 2015-2)

by

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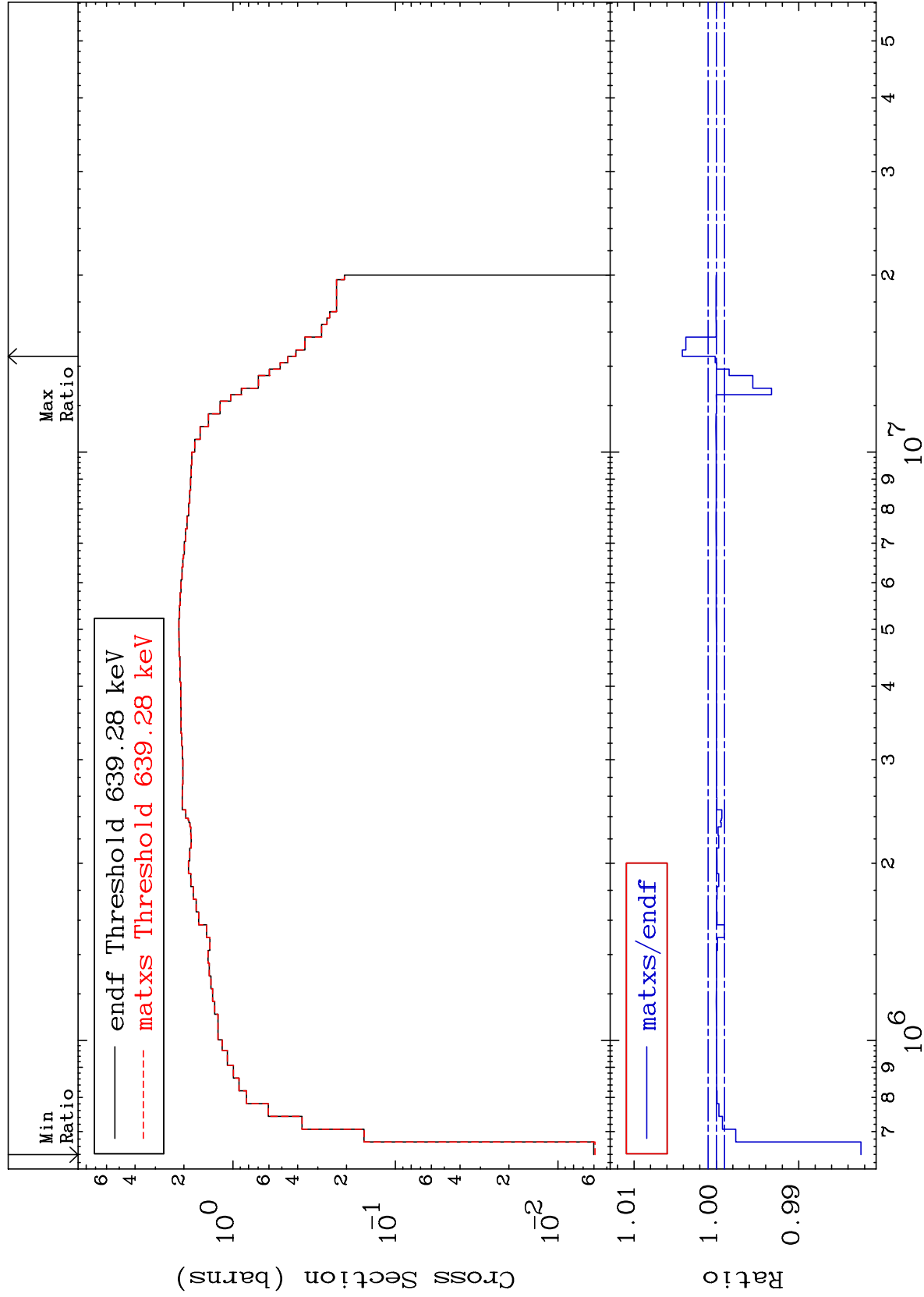
Web: home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 4837

Inelastic
Cross Section

48-Cd-110
-1.755 To 0.413 %



1

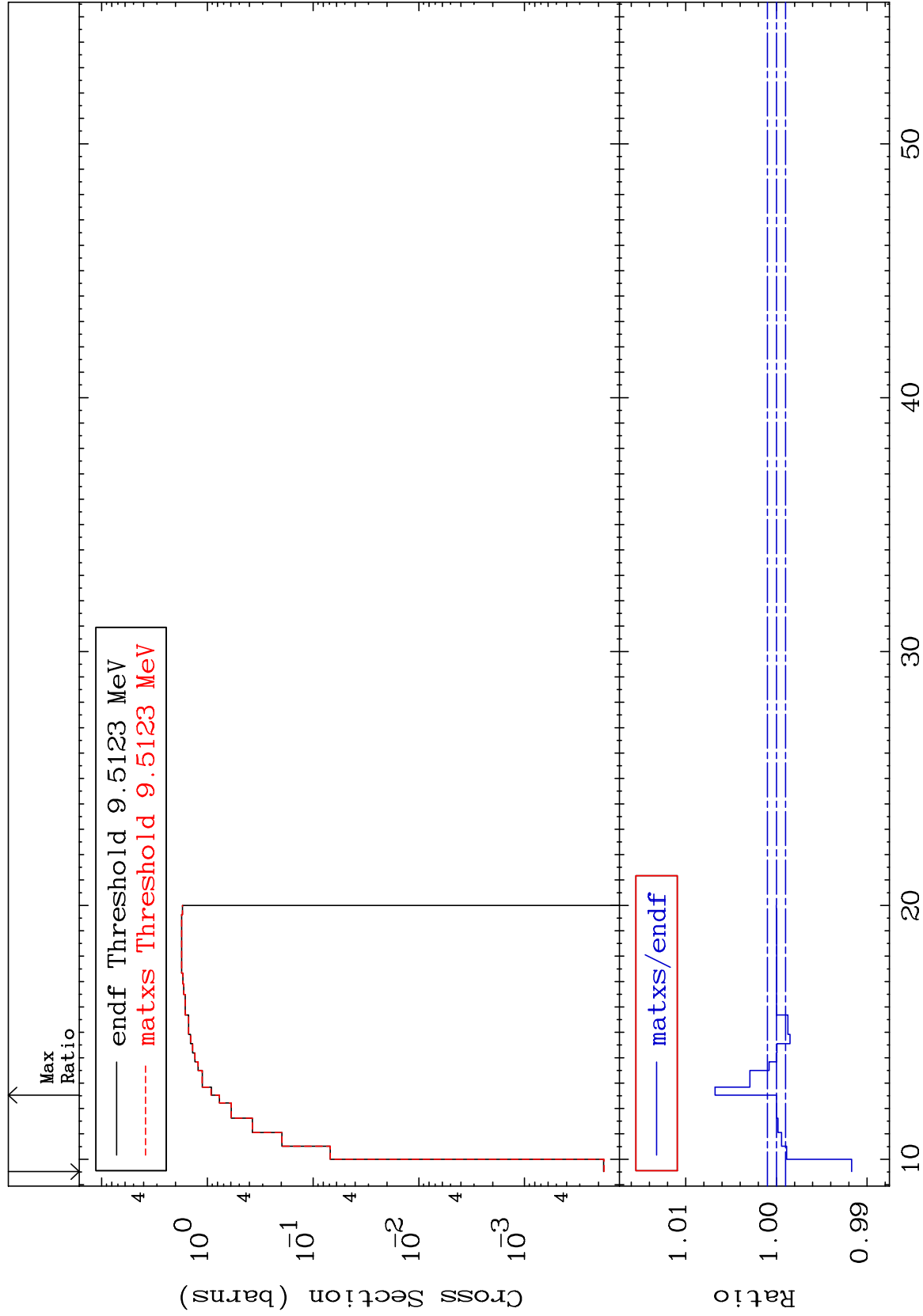
Incident Energy (eV)

48-Cd-110

MAT 4837

(n,2n)
Cross Section

48-Cd-110
-0.830 To 0.677 %



2

Incident Energy (MeV)

48-Cd-110

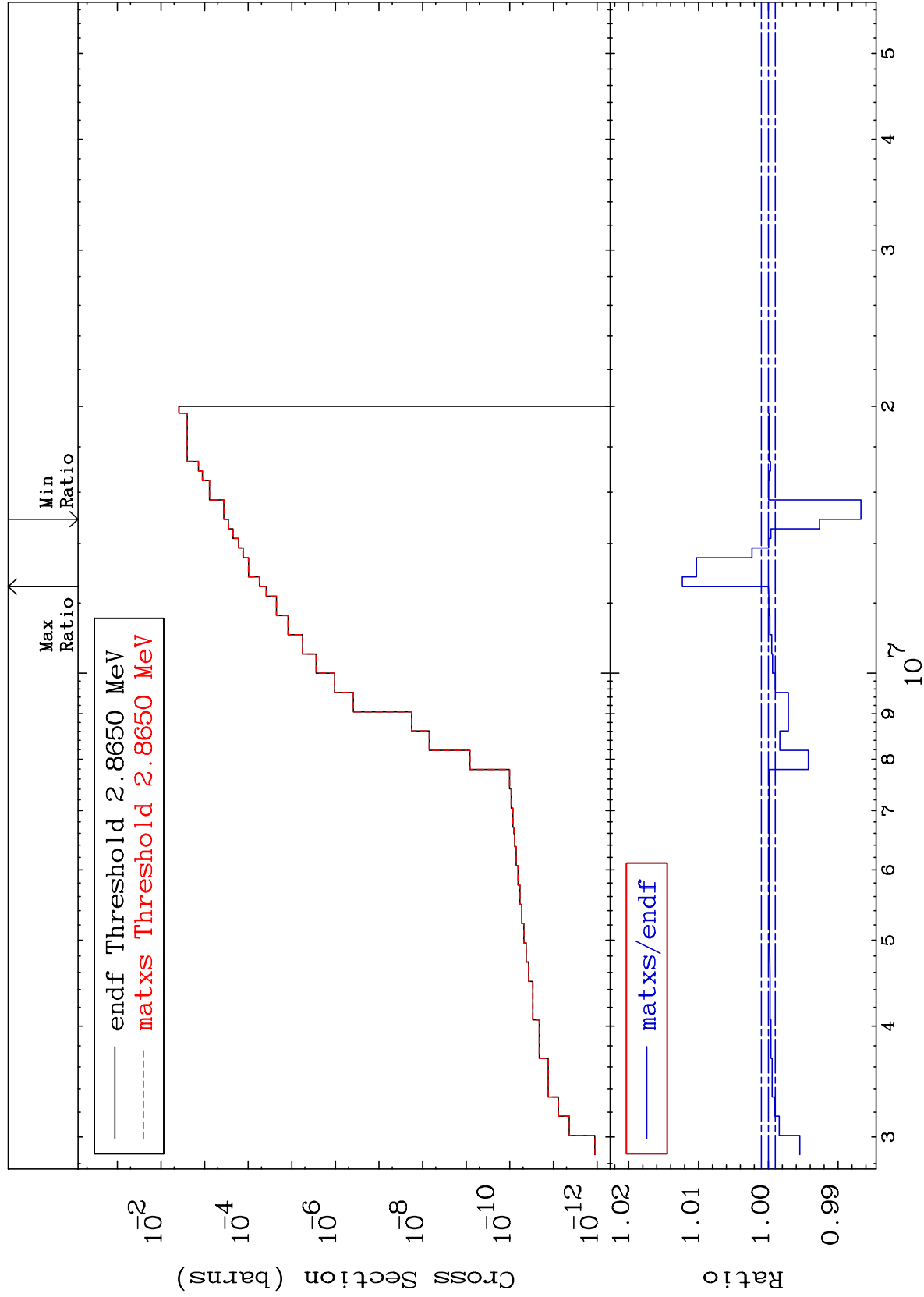
MAT 4837

(n, n') α

48-Cd-110

-1.327 To 1.232 %

Cross Section



3

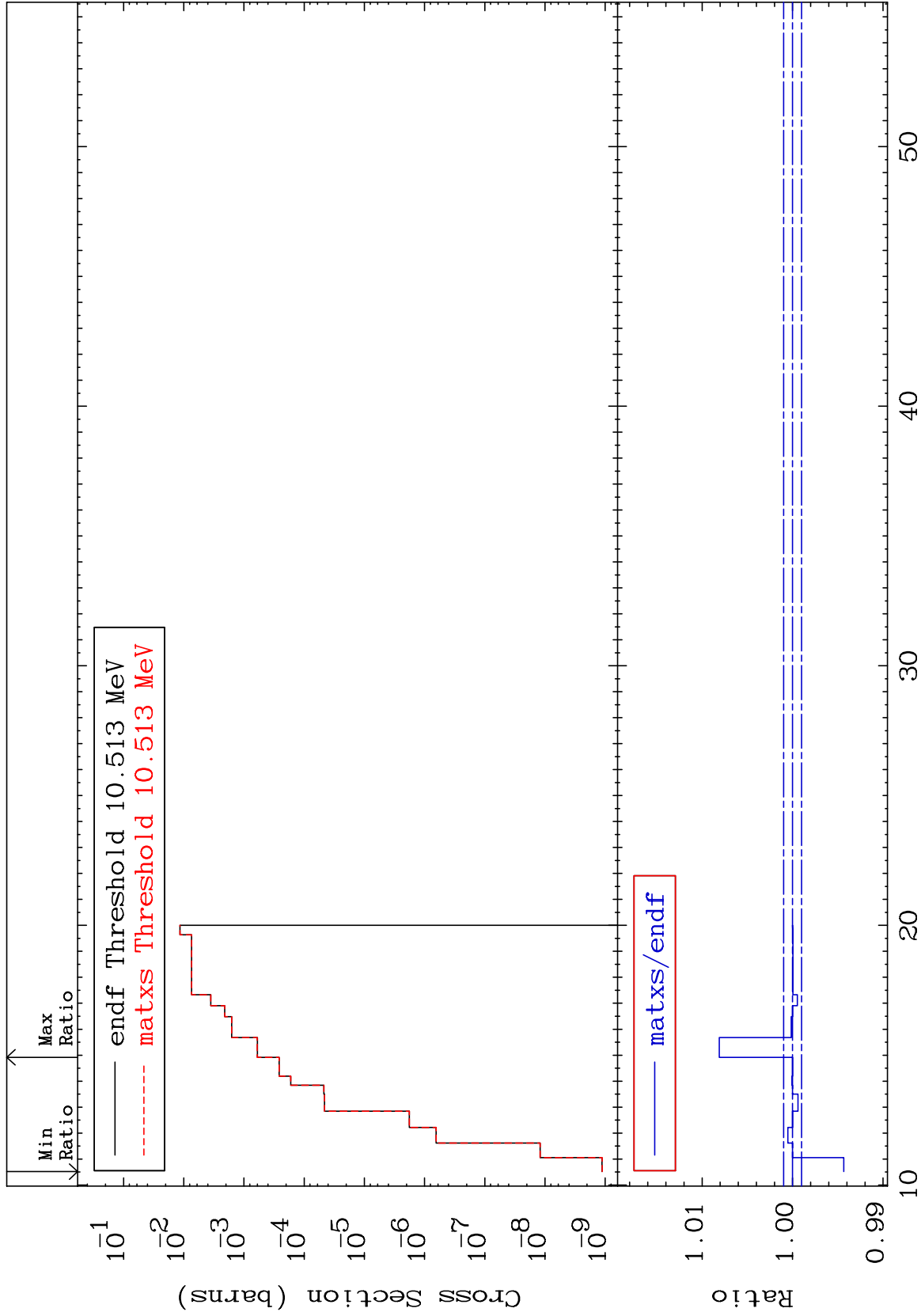
Incident Energy (eV)

48-Cd-110

MAT 4837

(n, n') p
Cross Section

48-Cd-110
-0.5665 To 0.811 %



4

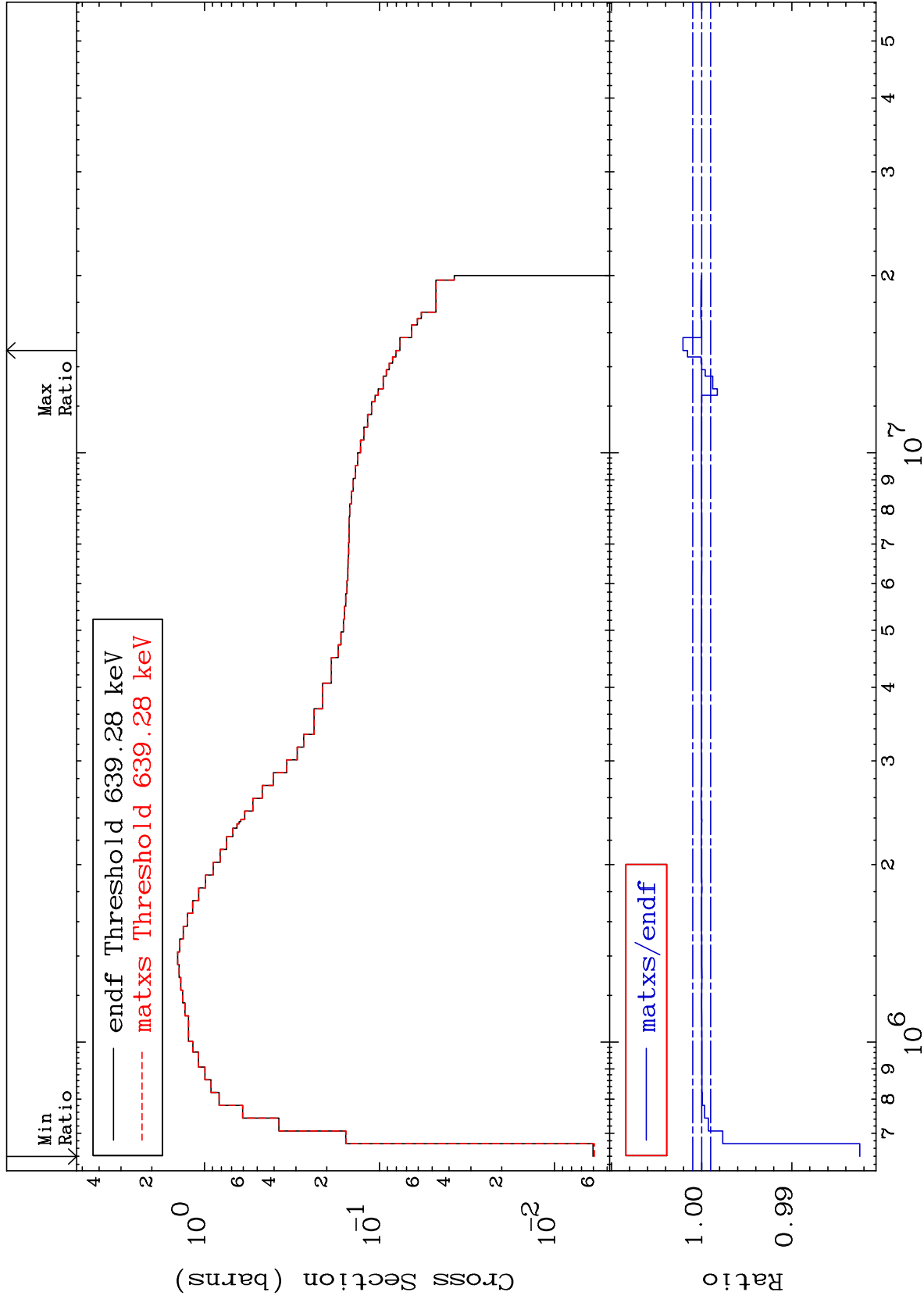
Incident Energy (MeV)

48-Cd-110

MAT 4837

658.0 keV (n,n') Level
Cross Section

48-Cd-110
-1.755 To 0.208 %



5

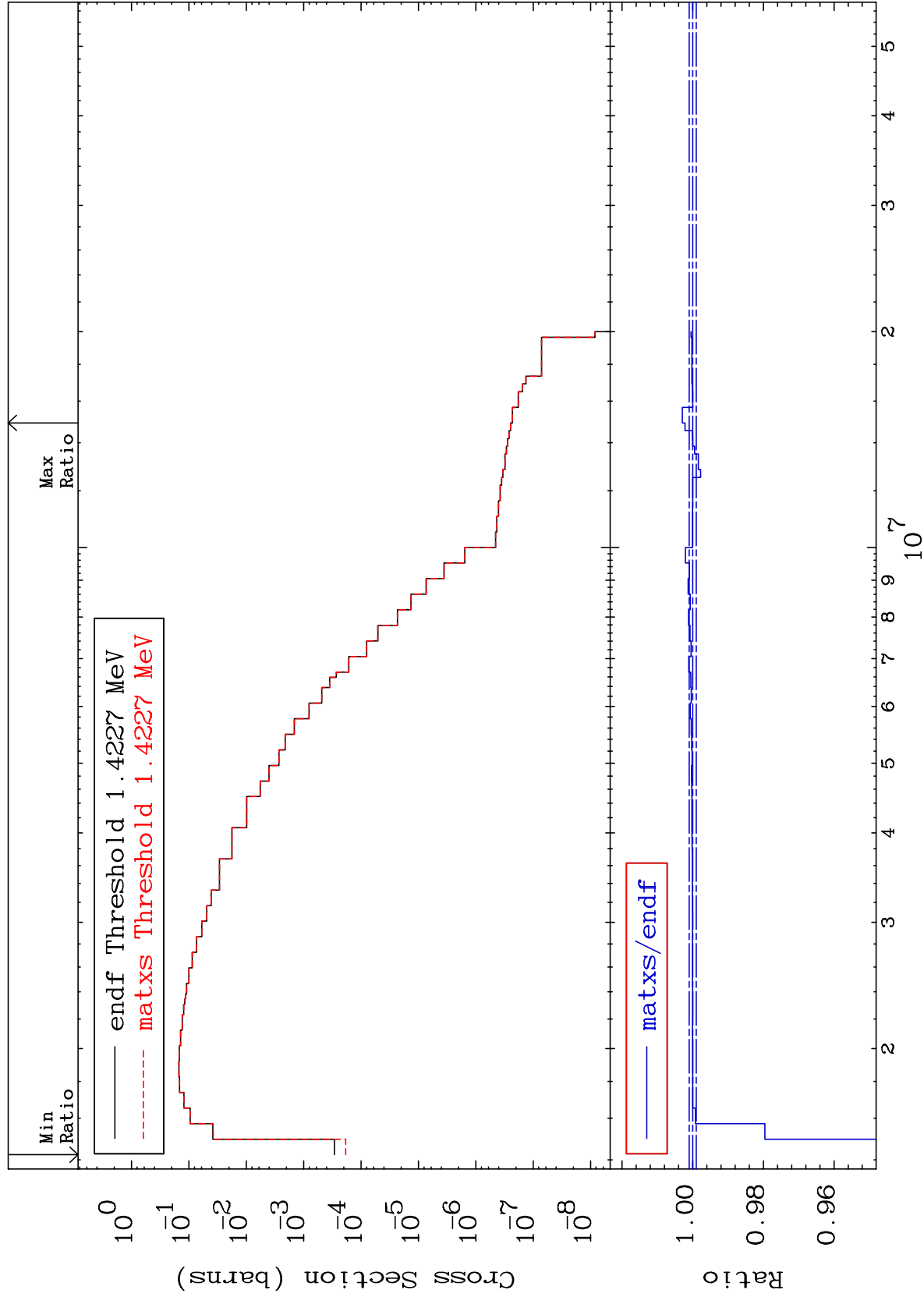
Incident Energy (eV)

48-Cd-110

MAT 4837

1.475 MeV (n,n') Level
Cross Section

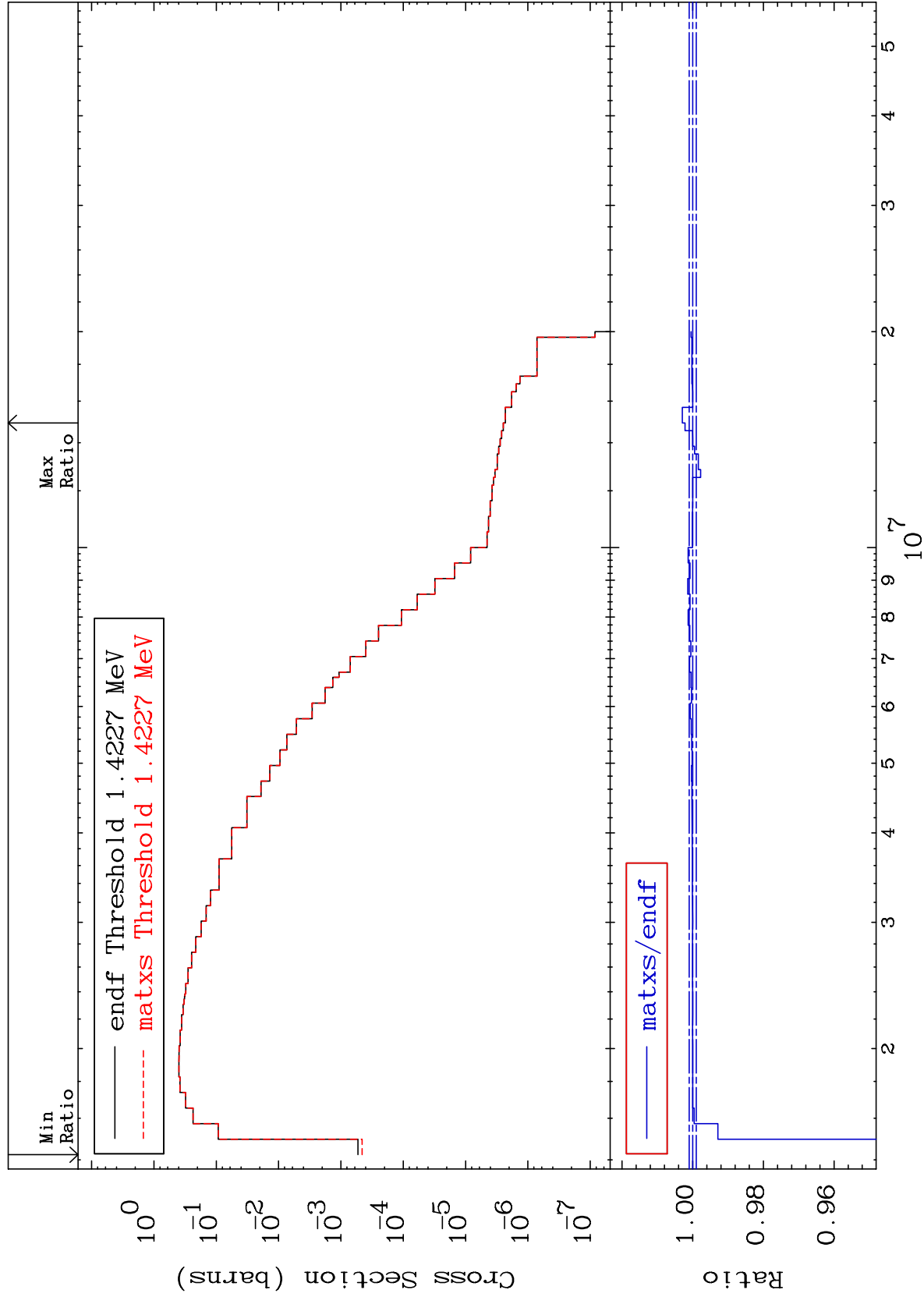
48-Cd-110
-36.19 To 0.293 %



MAT 4837

1.476 MeV (n,n') Level
Cross Section

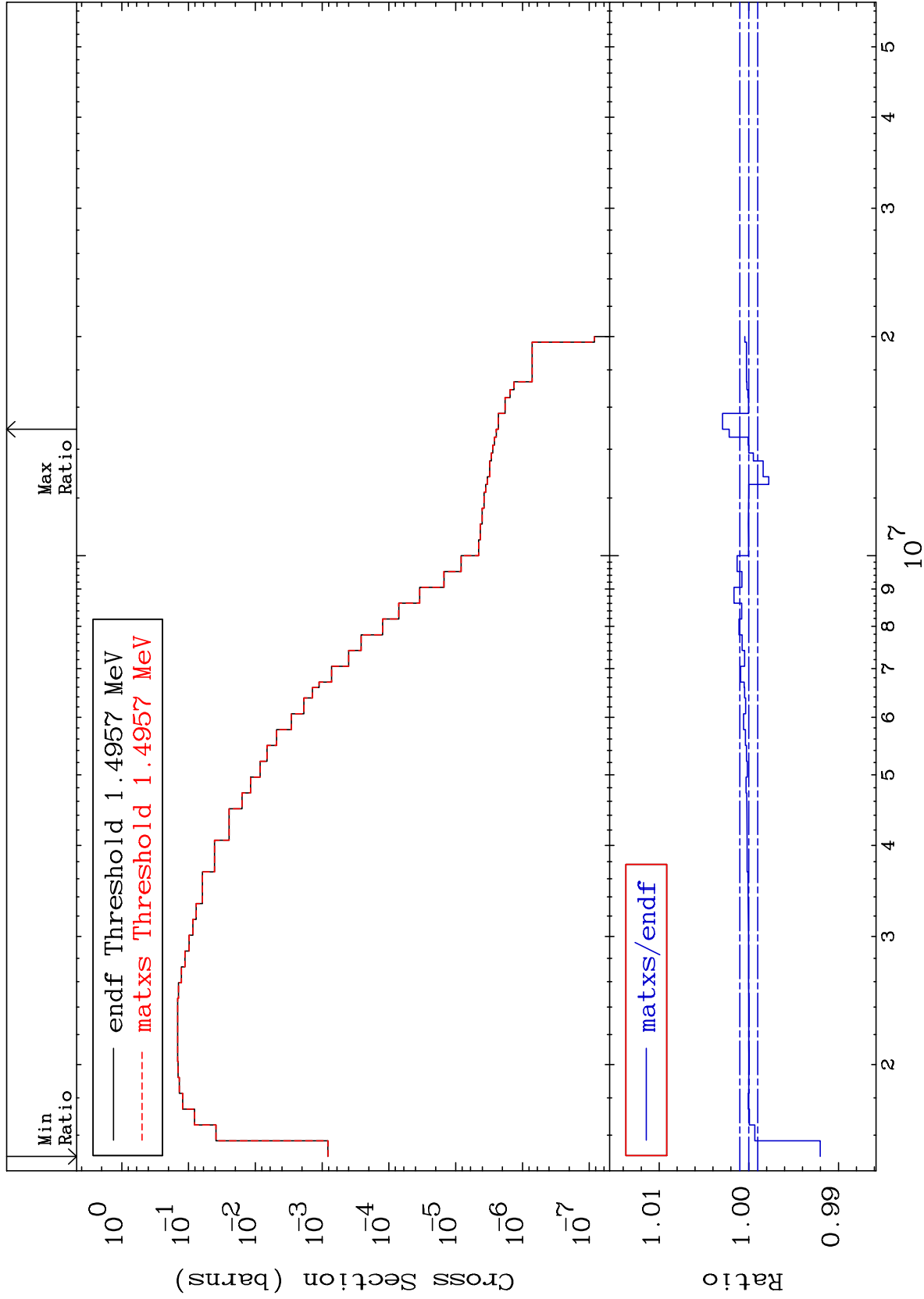
48-Cd-110
-14.30 To 0.293 %



MAT 4837

1.546 MeV (n,n') Level
Cross Section

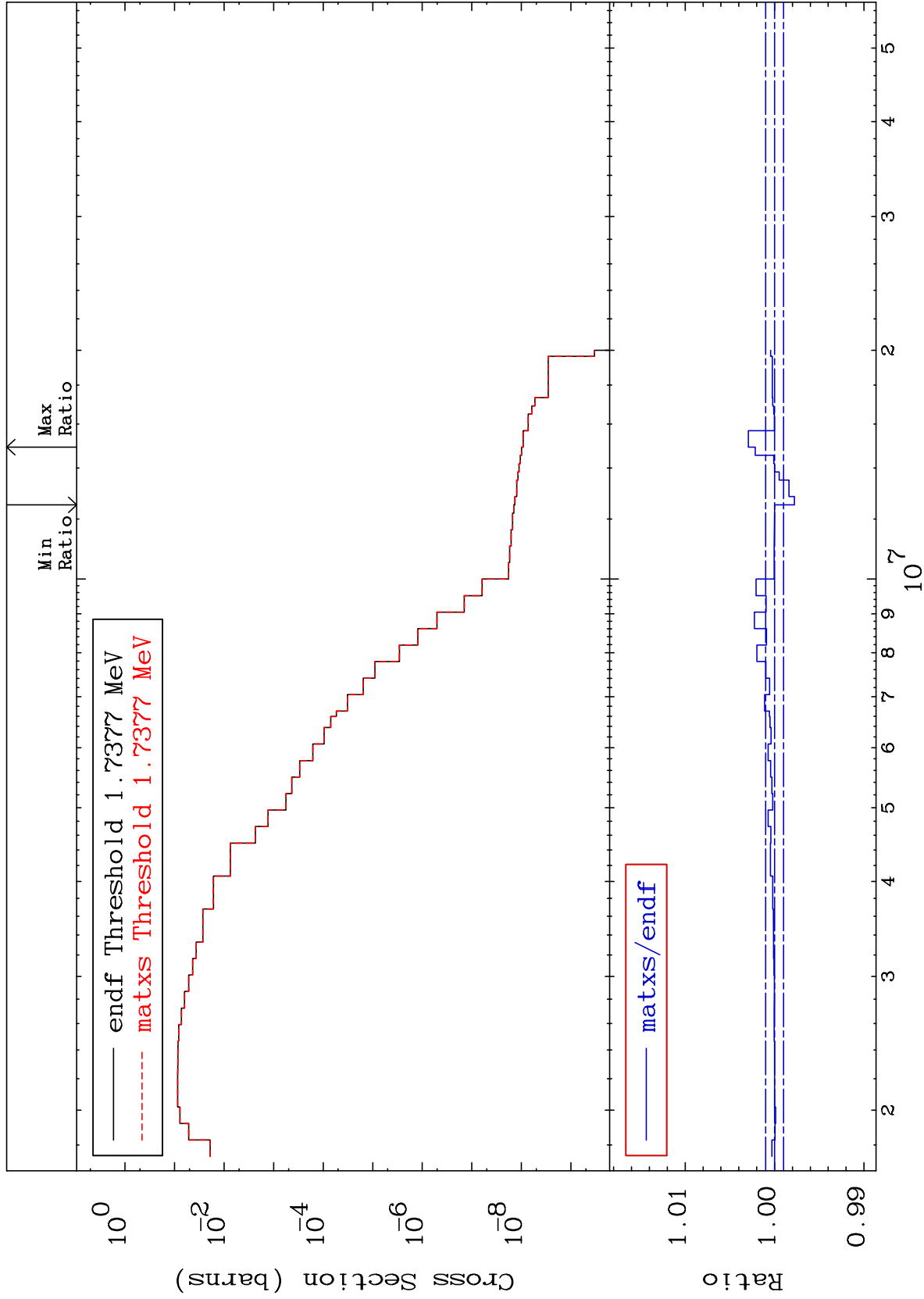
48-Cd-110
-0.797 To 0.293 %



MAT 4837

1.734 MeV (n,n') Level
Cross Section

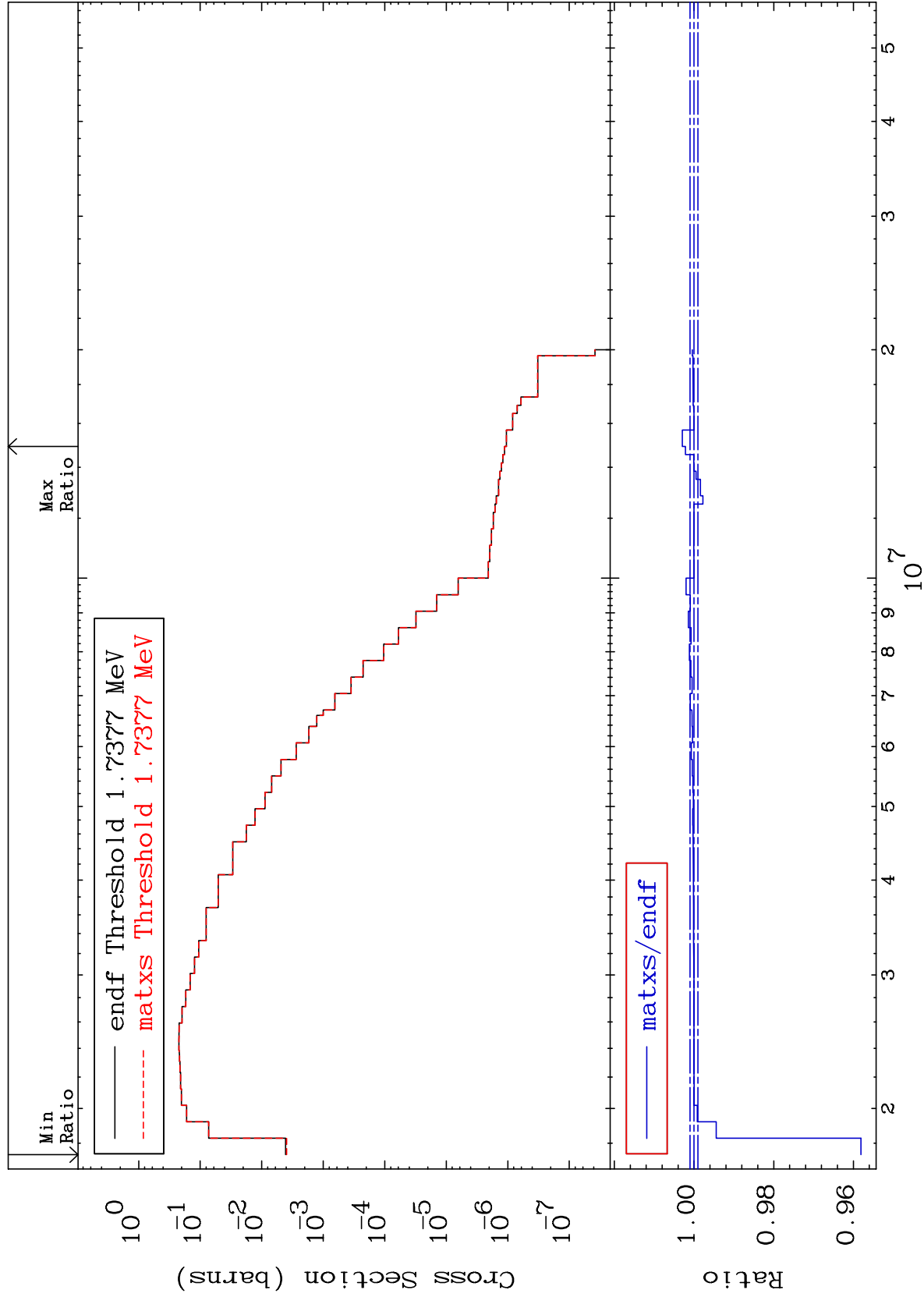
48-Cd-110
-0.221 To 0.293 %



MAT 4837

1.783 MeV (n,n') Level
Cross Section

48-Cd-110
-4.189 To 0.292 %



10

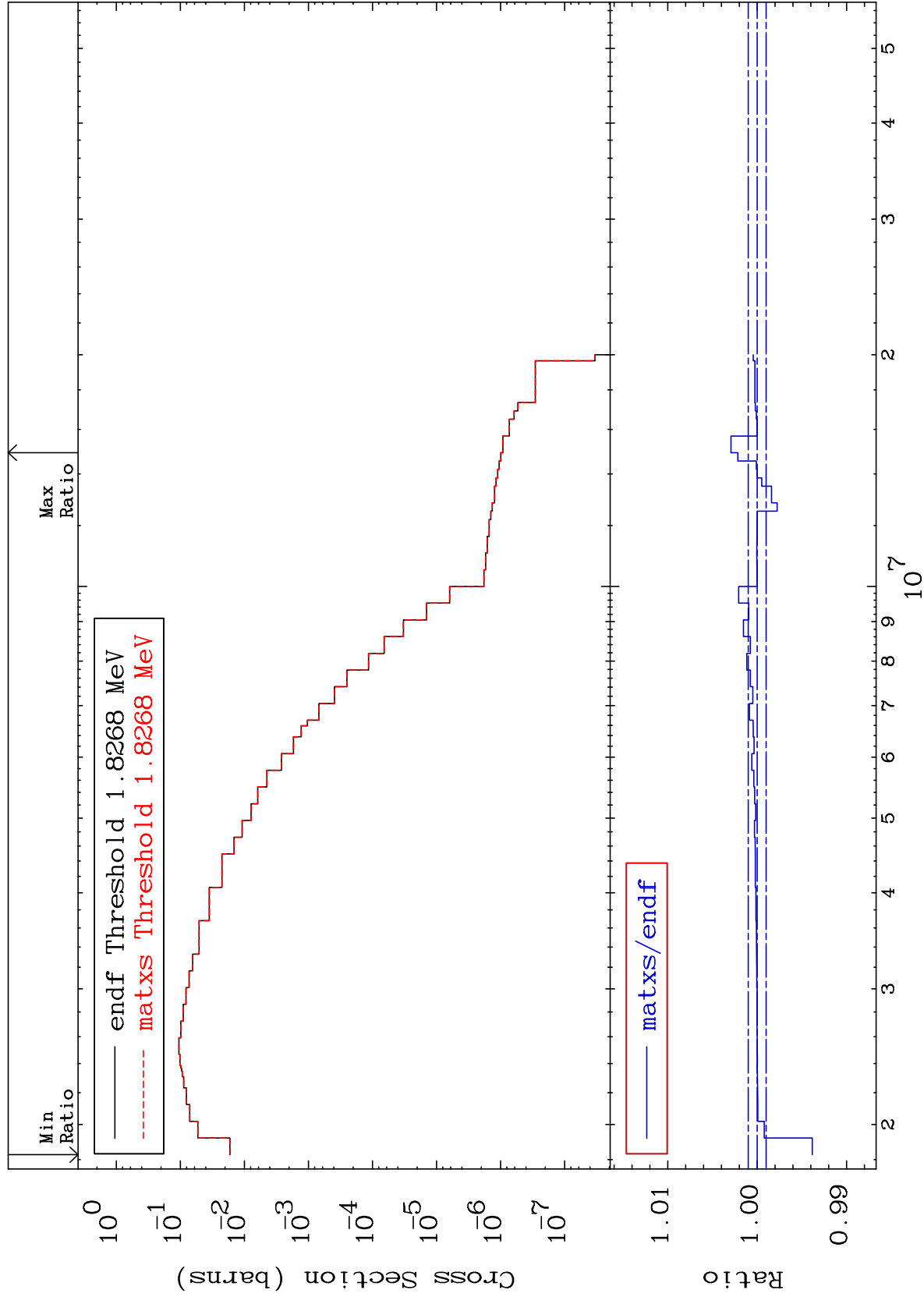
Incident Energy (eV)

48-Cd-110

MAT 4837

1.813 MeV (n,n') Level
Cross Section

48-Cd-110
-0.616 To 0.293 %



11

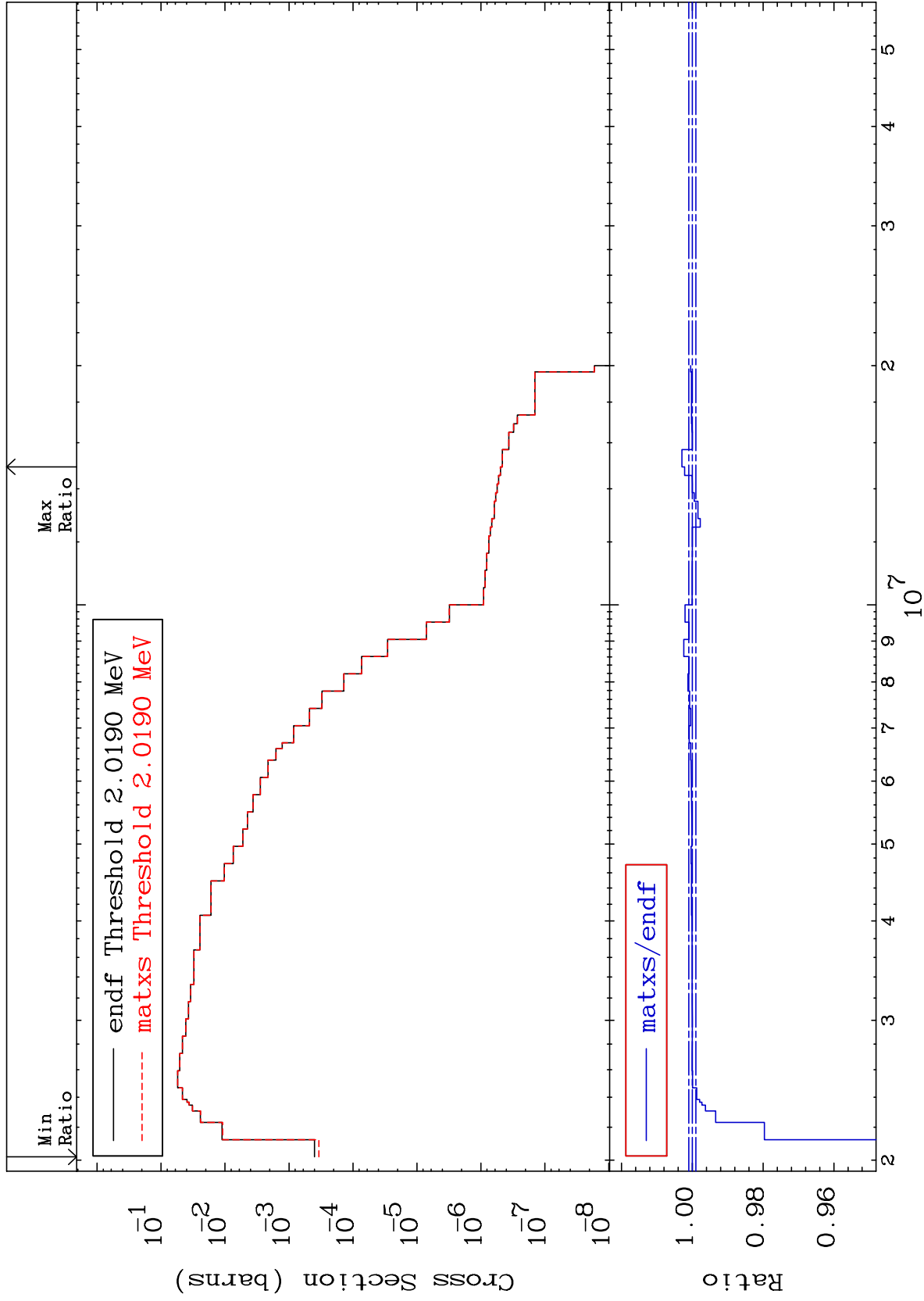
Incident Energy (eV)

48-Cd-110

MAT 4837

2.079 MeV (n,n') Level
Cross Section

48-Cd-110
-15.08 To 0.292 %



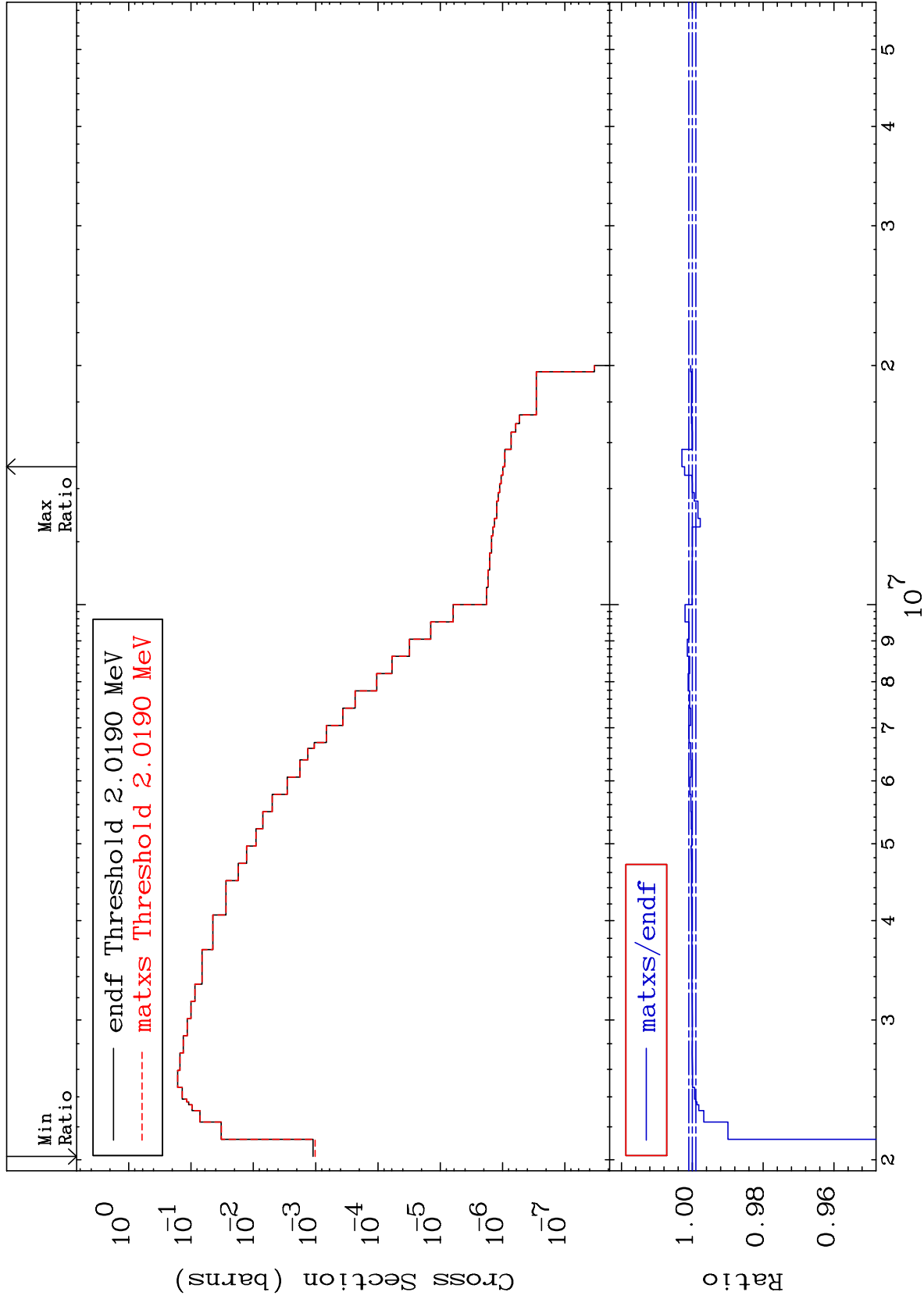
12

48-Cd-110

MAT 4837

2.080 MeV (n,n') Level
Cross Section

48-Cd-110
-7.821 To 0.293 %



13

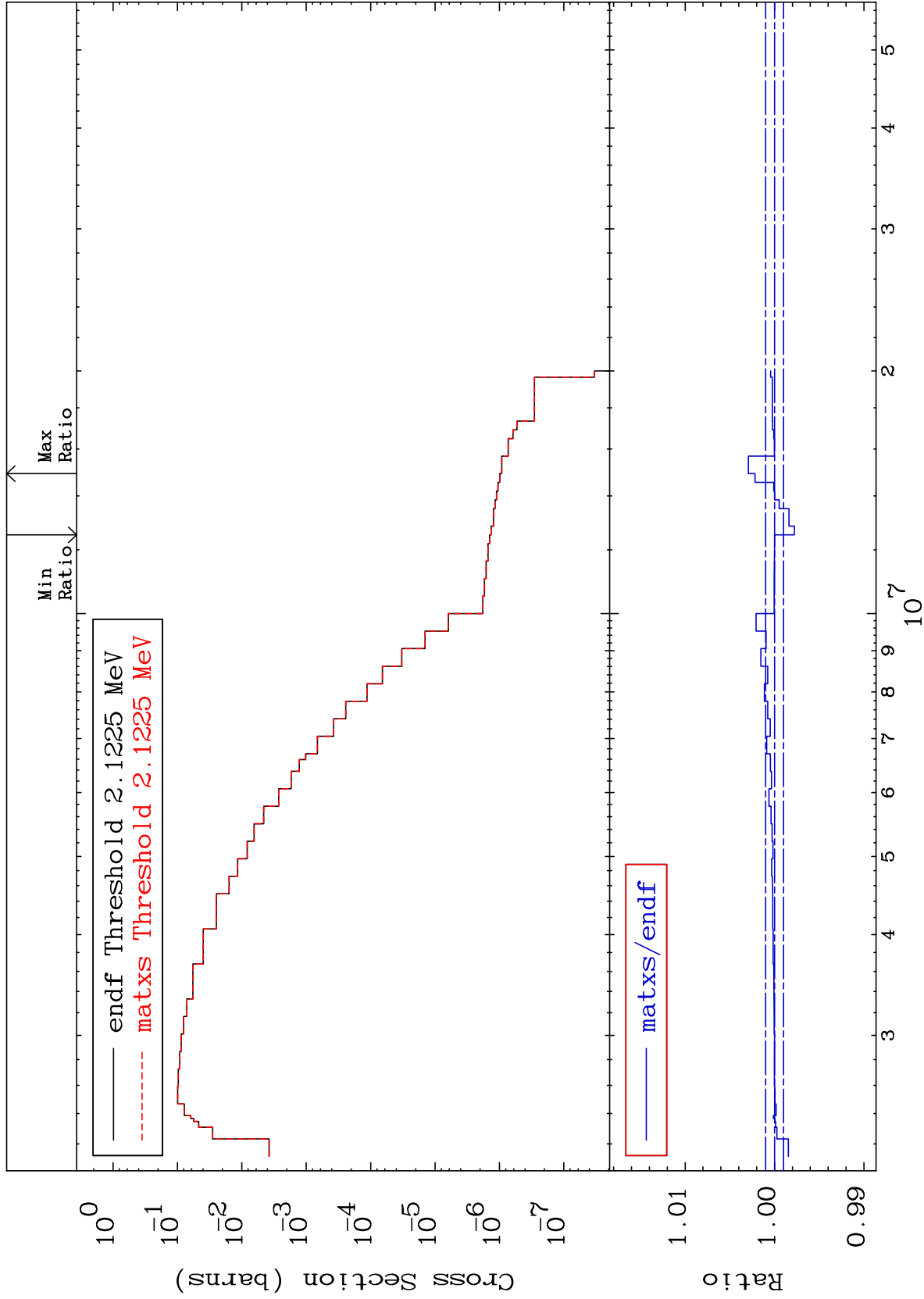
Incident Energy (eV)

48-Cd-110

MAT 4837

2.160 MeV (n,n') Level
Cross Section

48-Cd-110
-0.222 To 0.293 %



14

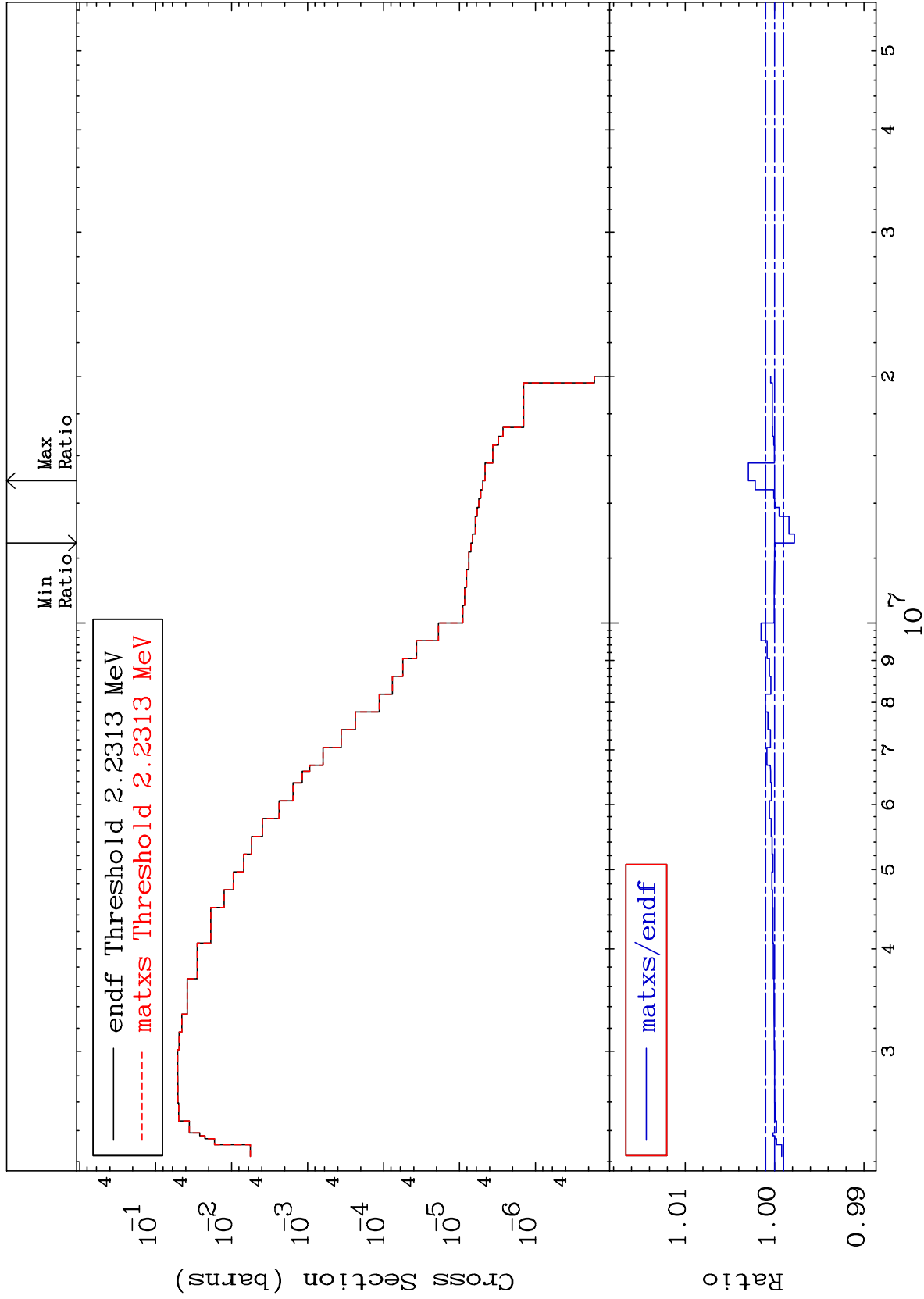
Incident Energy (eV)

48-Cd-110

MAT 4837

2.220 MeV (n,n') Level
Cross Section

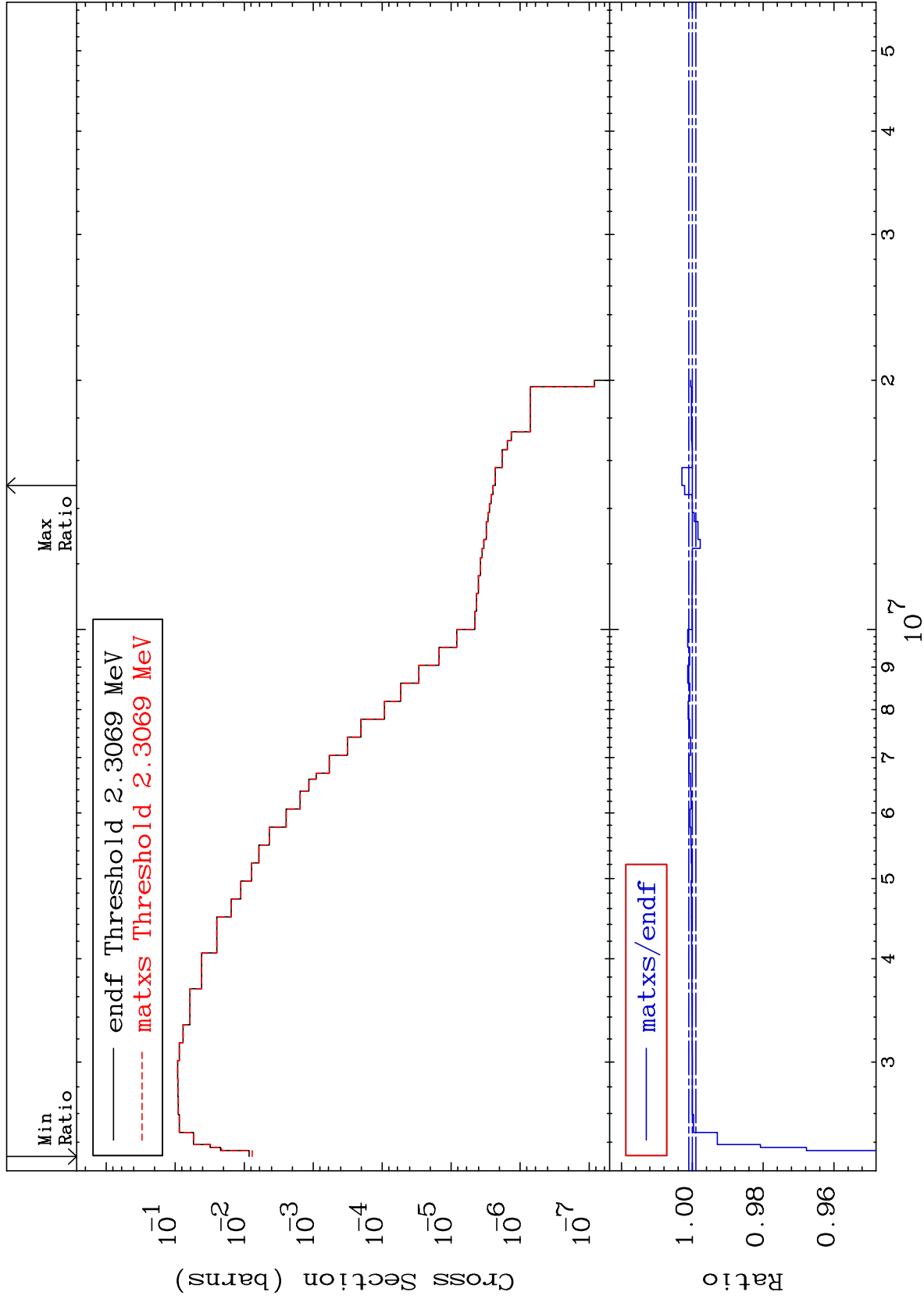
48-Cd-110
-0.222 To 0.292 %



MAT 4837

2.287 MeV (n,n') Level
Cross Section

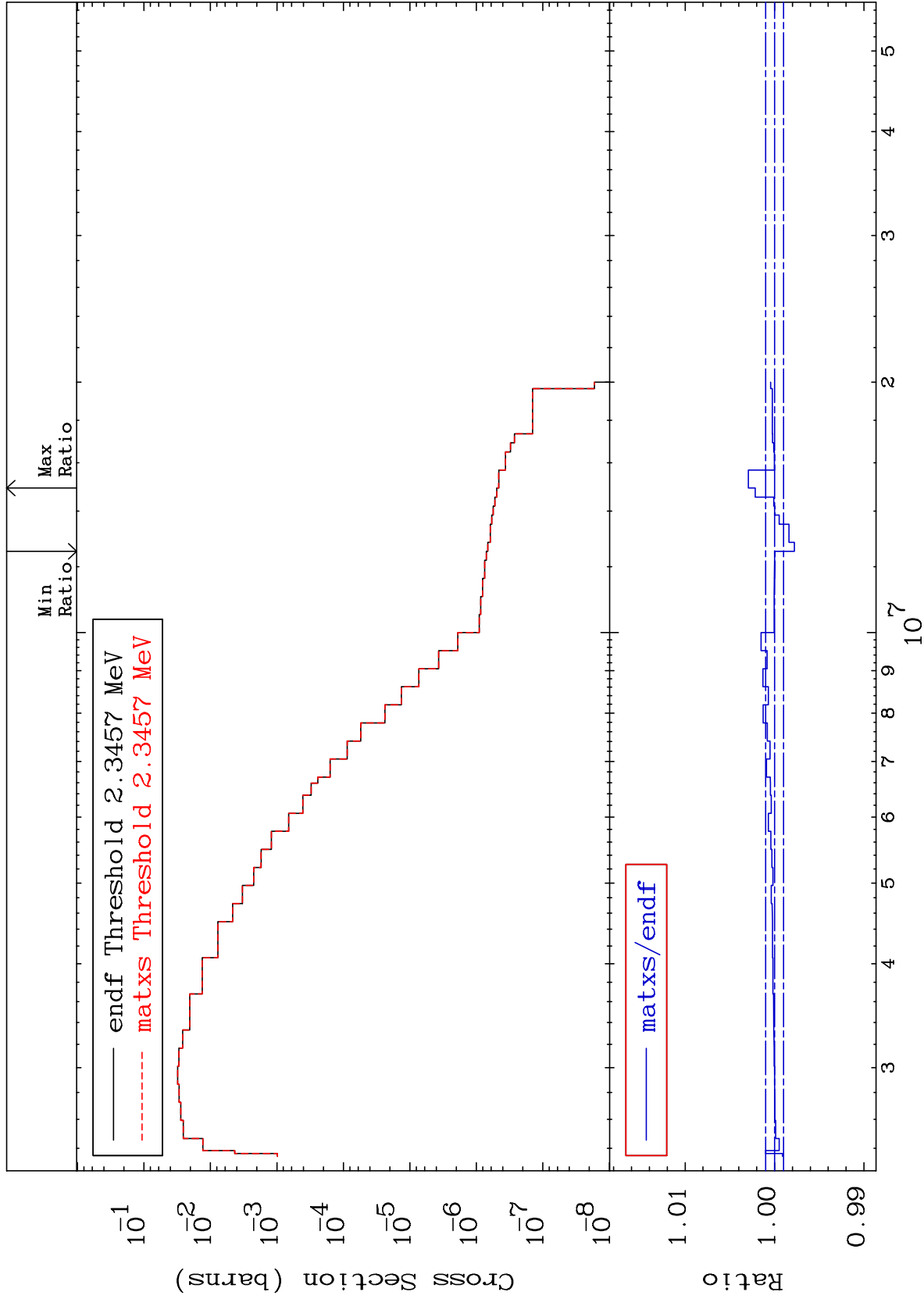
48-Cd-110
-9.568 To 0.293 %



MAT 4837

2.329 MeV (n,n') Level
Cross Section

48-Cd-110
-0.222 To 0.292 %



17

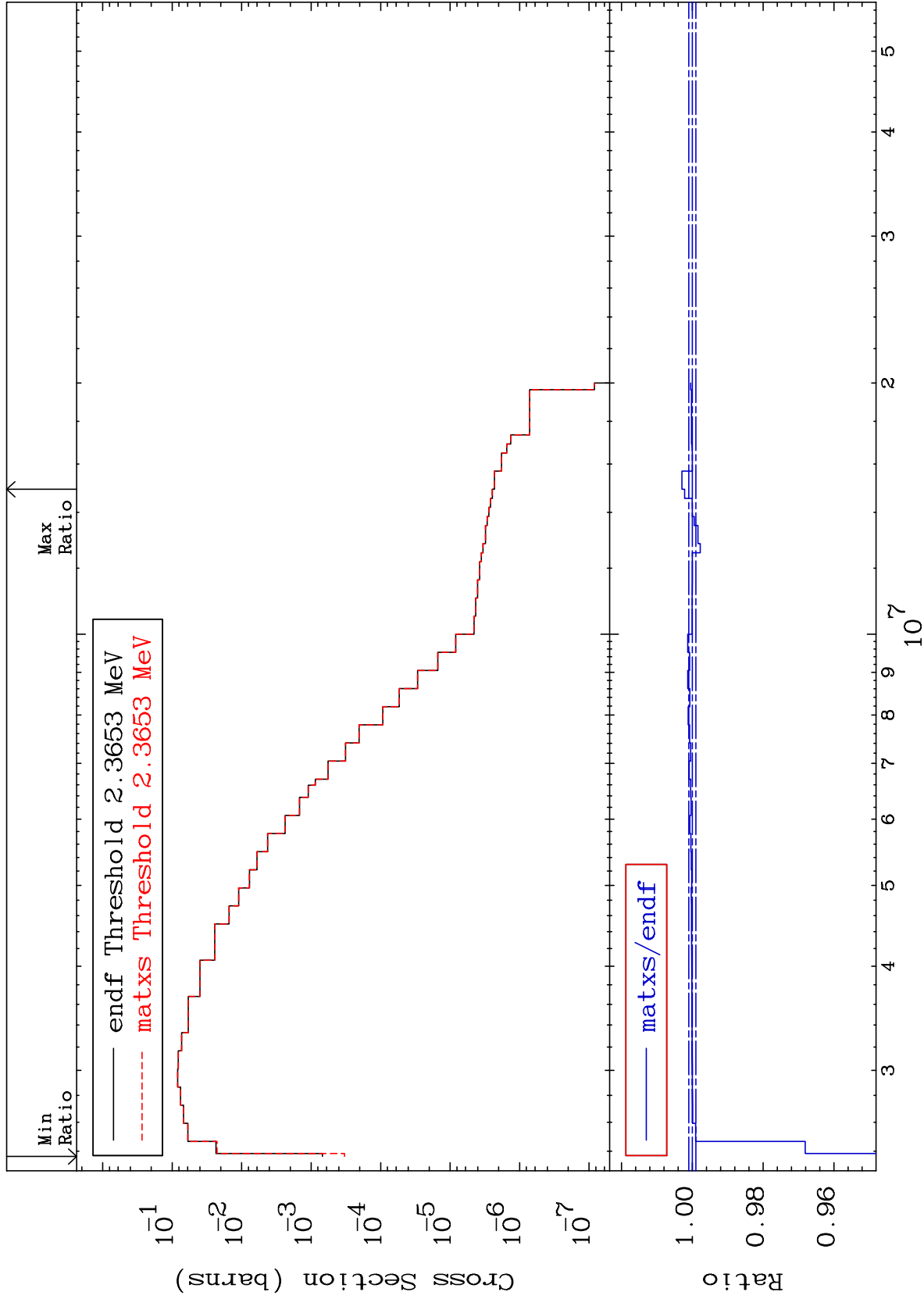
Incident Energy (eV)

48-Cd-110

MAT 4837

2.356 MeV (n,n') Level
Cross Section

48-Cd-110
-52.17 To 0.293 %



18

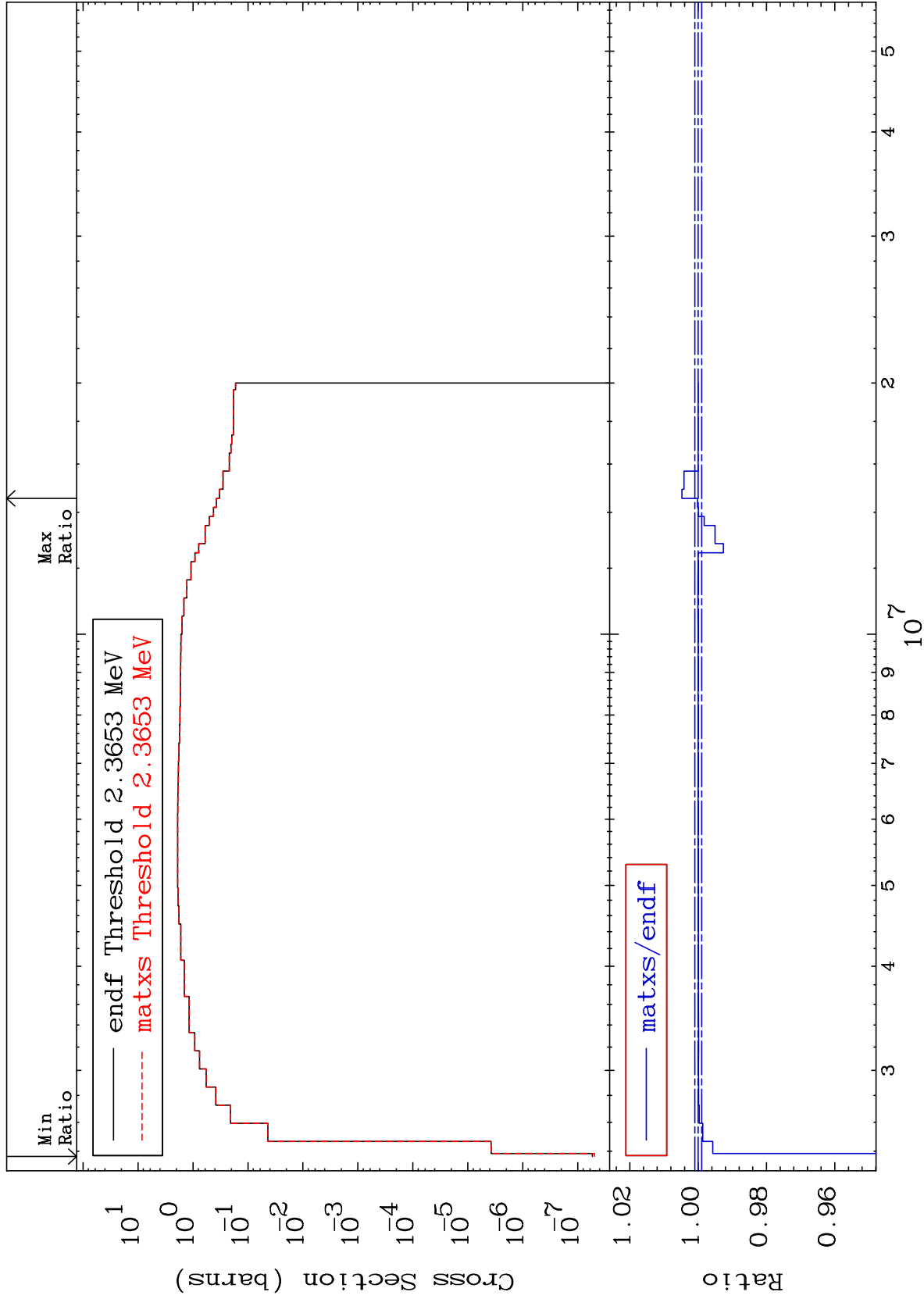
Incident Energy (eV)

48-Cd-110

MAT 4837

(n,n') Continuum
Cross Section

48-Cd-110
-8.407 To 0.475 %



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Incident Energy (eV)

48-Cd-110

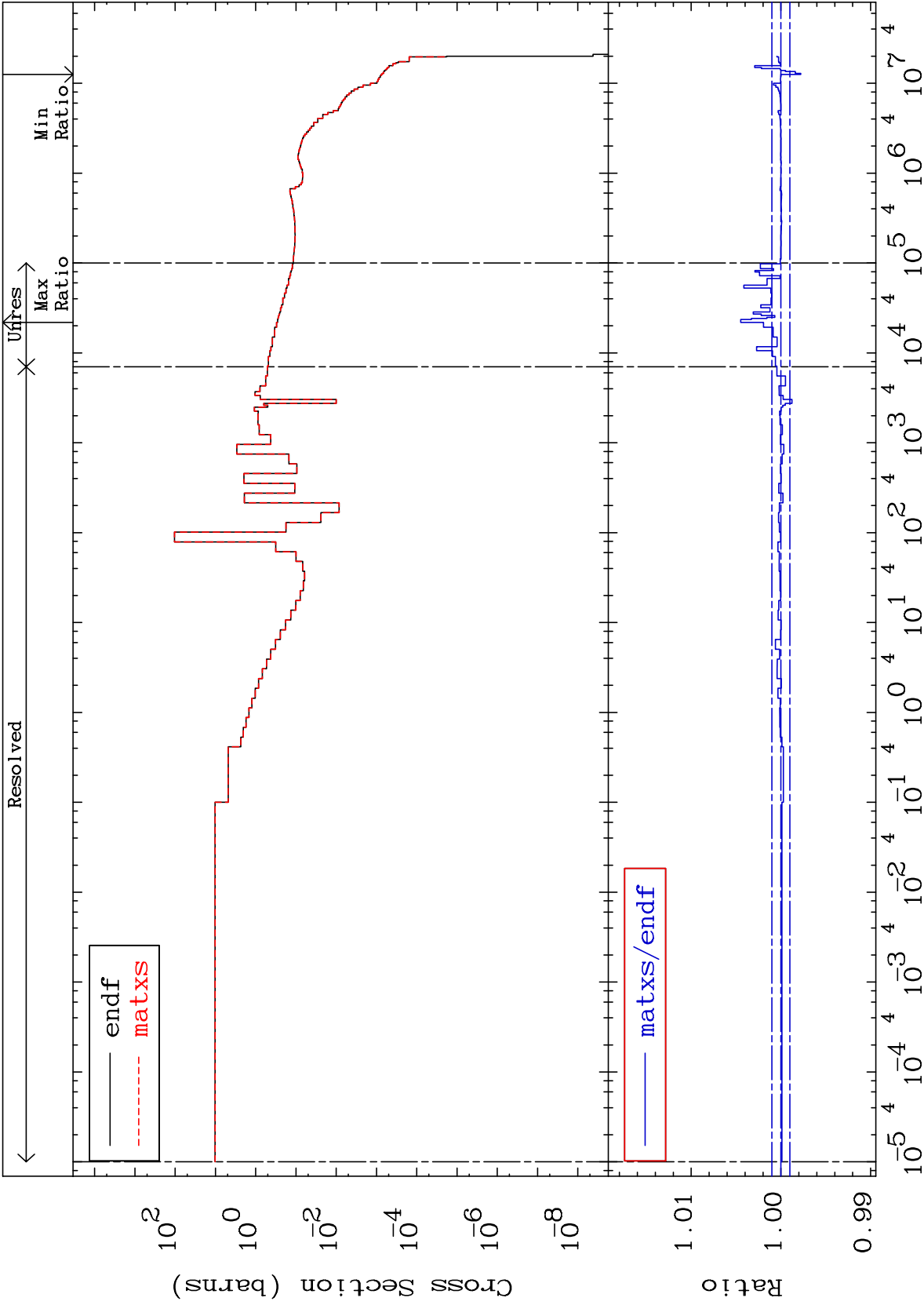
MAT 4837

(n, γ)

48-Cd-110

Cross Section

-0.222 To 0.449 %



MAT 4837

(n,p)

48-Cd-110

Cross Section

-0.409 To 0.569 %

Min Ratio

Max Ratio

— endf Threshold 2.1225 MeV
- - - matxs Threshold 2.1225 MeV

Cross Section (barns)
 10^0
 10^{-2}
 10^{-4}
 10^{-6}
 10^{-8}
 10^{-10}
 10^{-12}
 10^{-14}

— matxs/endlf

Ratio
1.01
1.00
0.99

10^7

21

Incident Energy (eV)

48-Cd-110

5

4

3

2

1

0

1

2

3

4

5

6

7

8

9

10

11

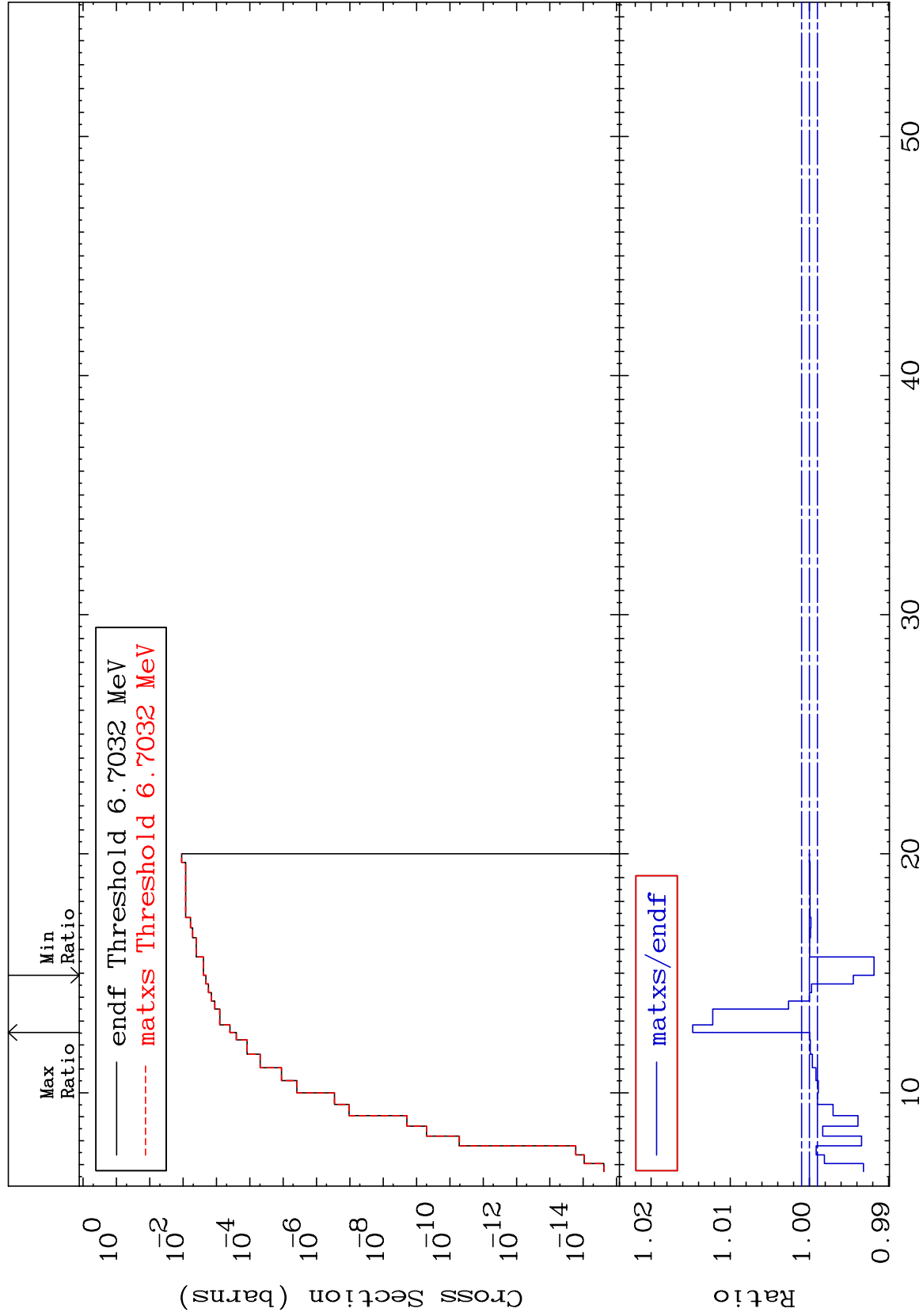
12

13

MAT 4837

(n, d)
Cross Section

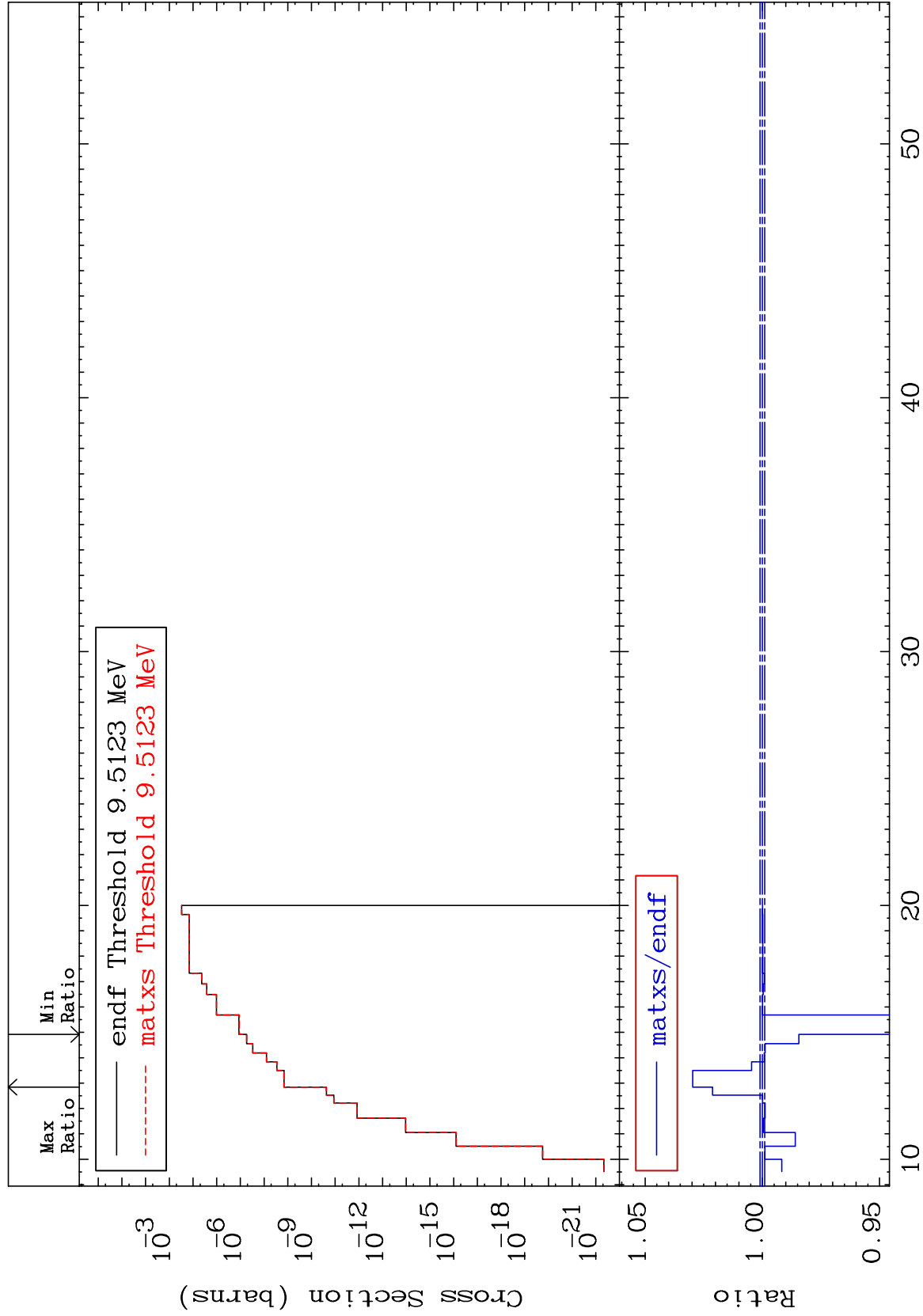
48-Cd-110
-0.816 To 1.474 %



MAT 4837

(n, t)
Cross Section

48-Cd-110
-5.776 To 2.969 %



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Incident Energy (MeV)

48-Cd-110

MAT 4837

(n, α)

48-Cd-110

Cross Section

-6.534 To 0.550 %

