

Program Complot
(Version 2015-2)

by

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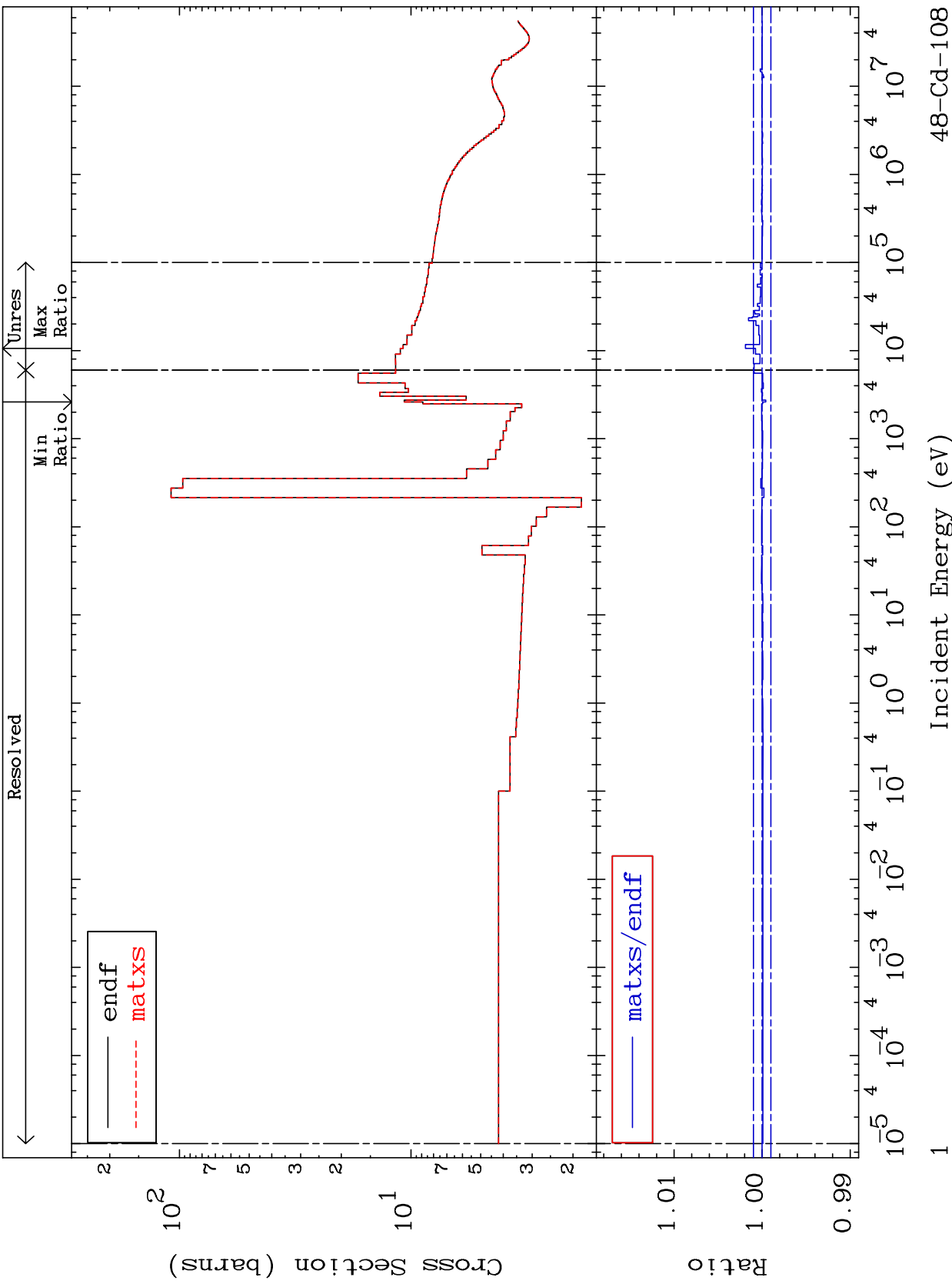
E.Mail: redcullen1@comcast.net
Web: home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 4831

Total
Cross Section

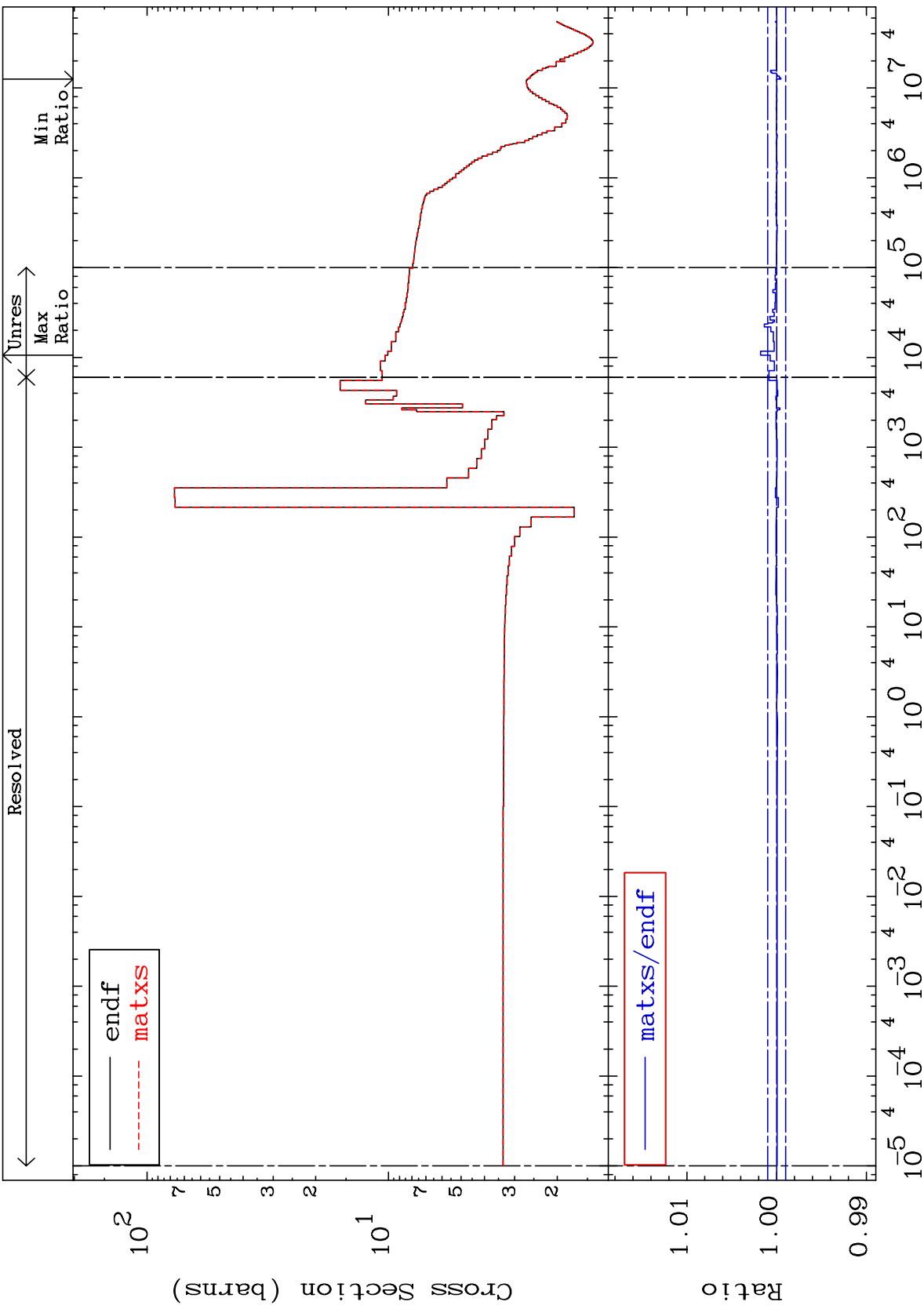
48-Cd-108
-0.041 To 0.189 %



MAT 4831

Elastic
Cross Section

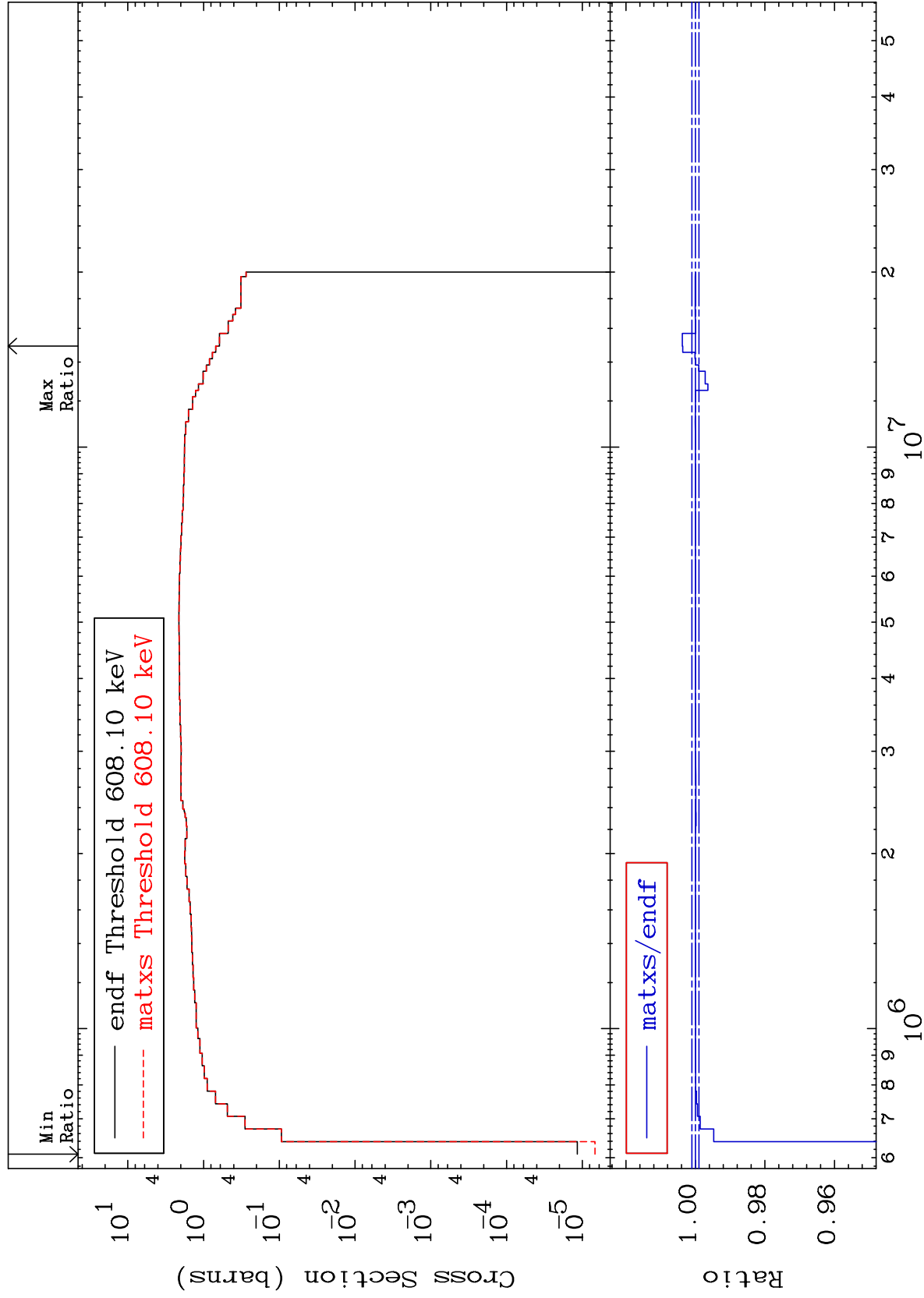
48-Cd-108
-0.048 To 0.178 %



MAT 4831

Inelastic
Cross Section

48-Cd-108
-41.55 To 0.377 %



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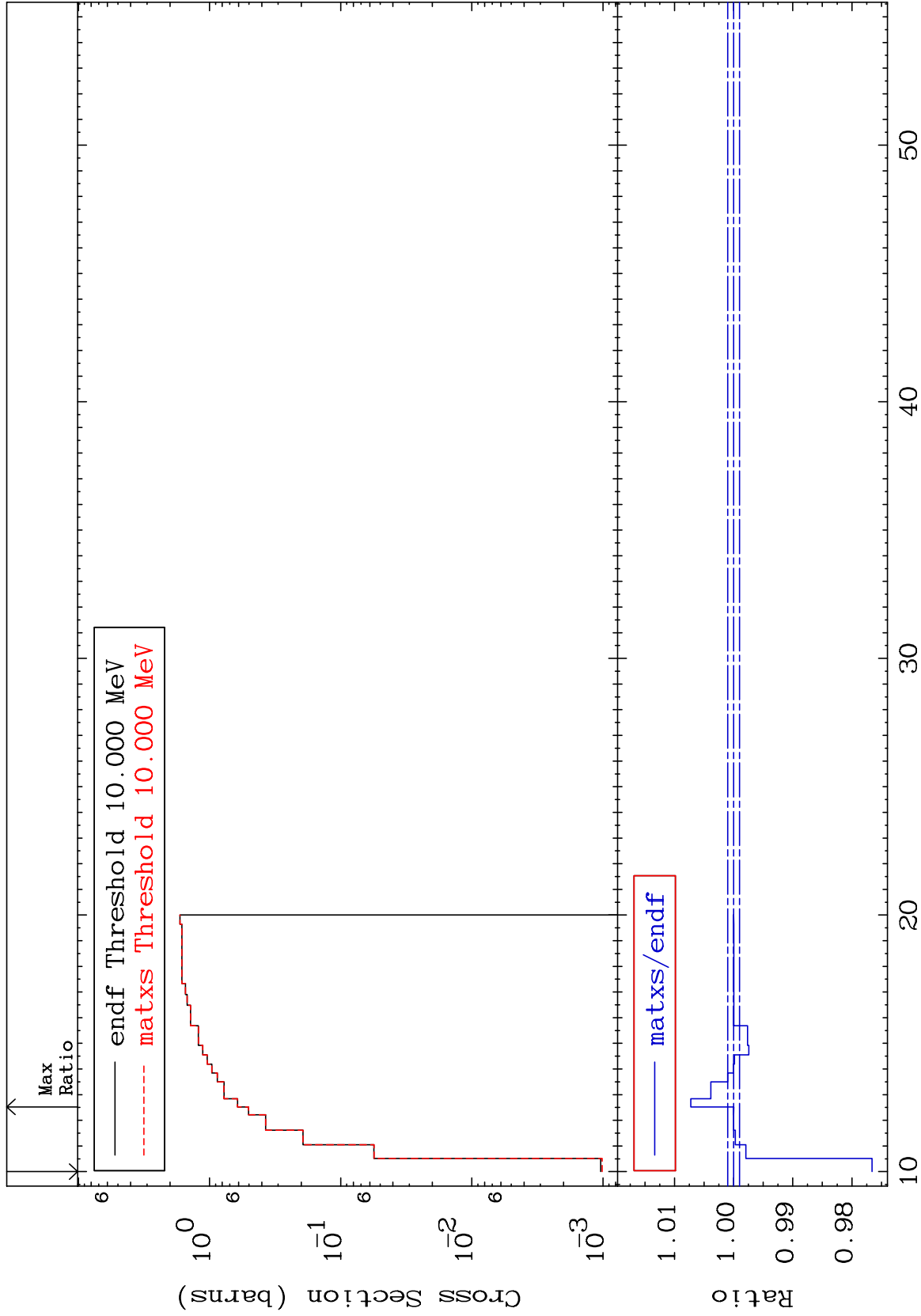
Incident Energy (eV)

48-Cd-108

MAT 4831

(n,2n)
Cross Section

48-Cd-108
-2.341 To 0.725 %



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Incident Energy (MeV)

48-Cd-108

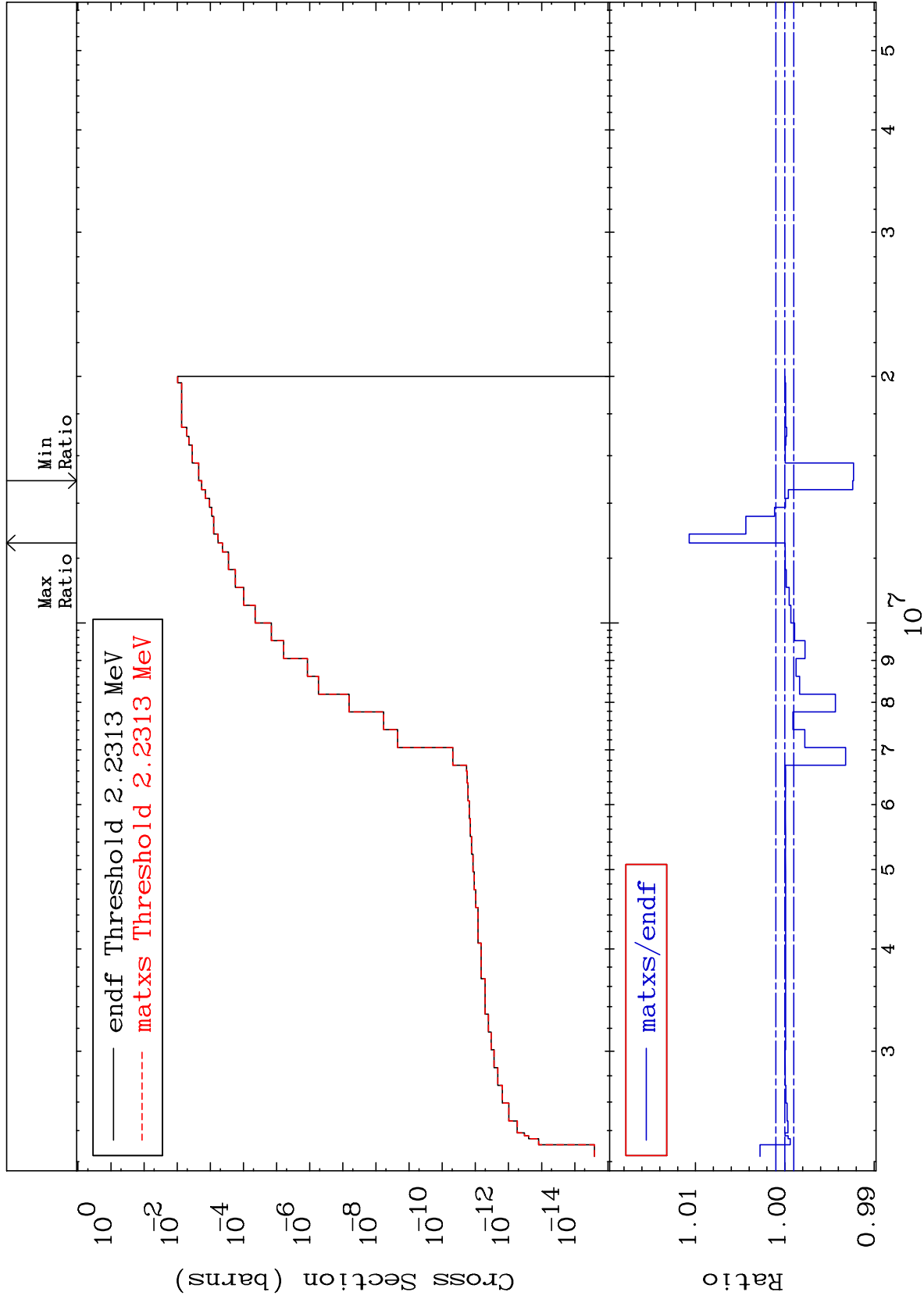
MAT 4831

(n, n') α

48-Cd-108

-0.770 To 1.071 %

Cross Section



5

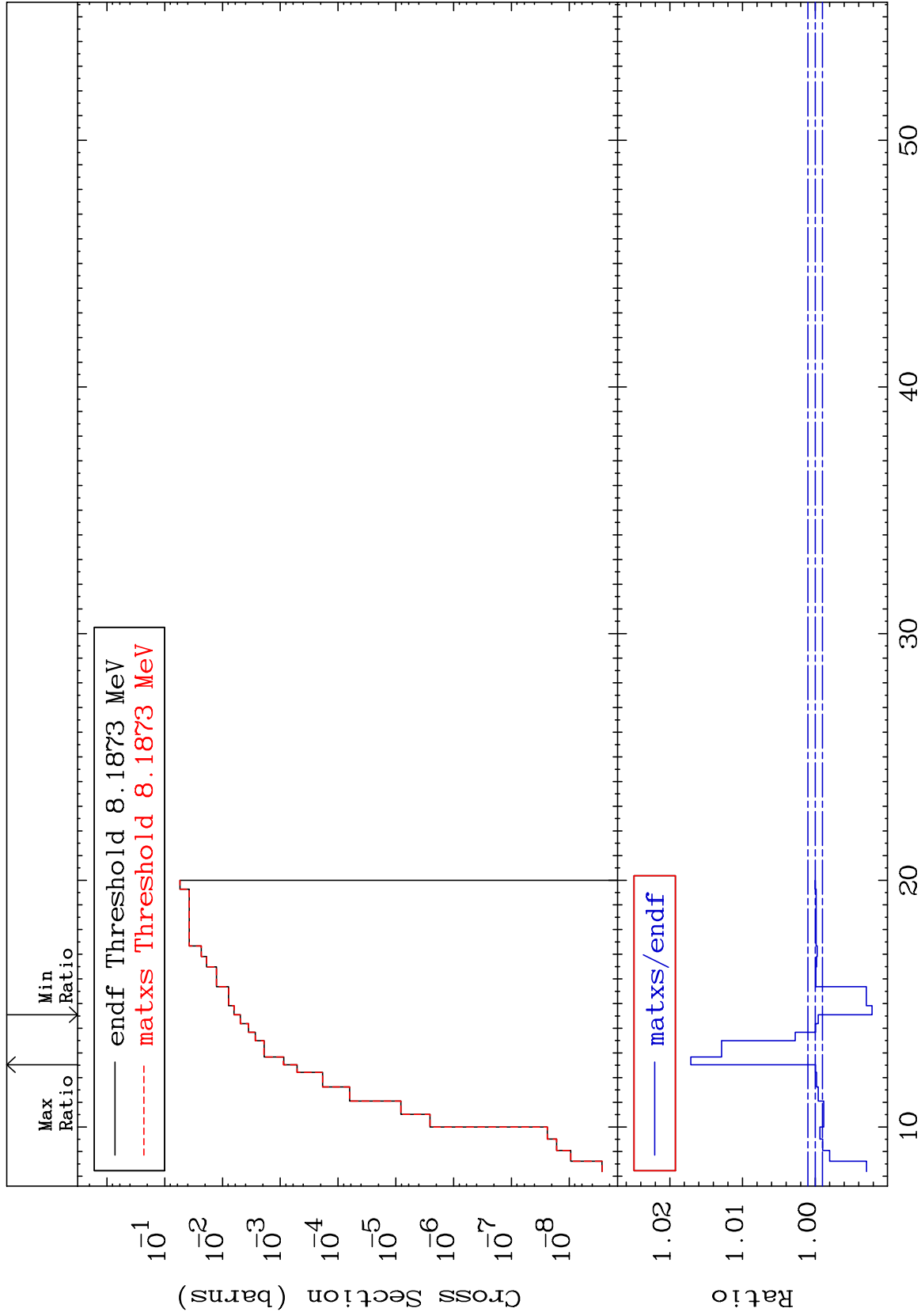
Incident Energy (eV)

48-Cd-108

MAT 4831

(n, n') p
Cross Section

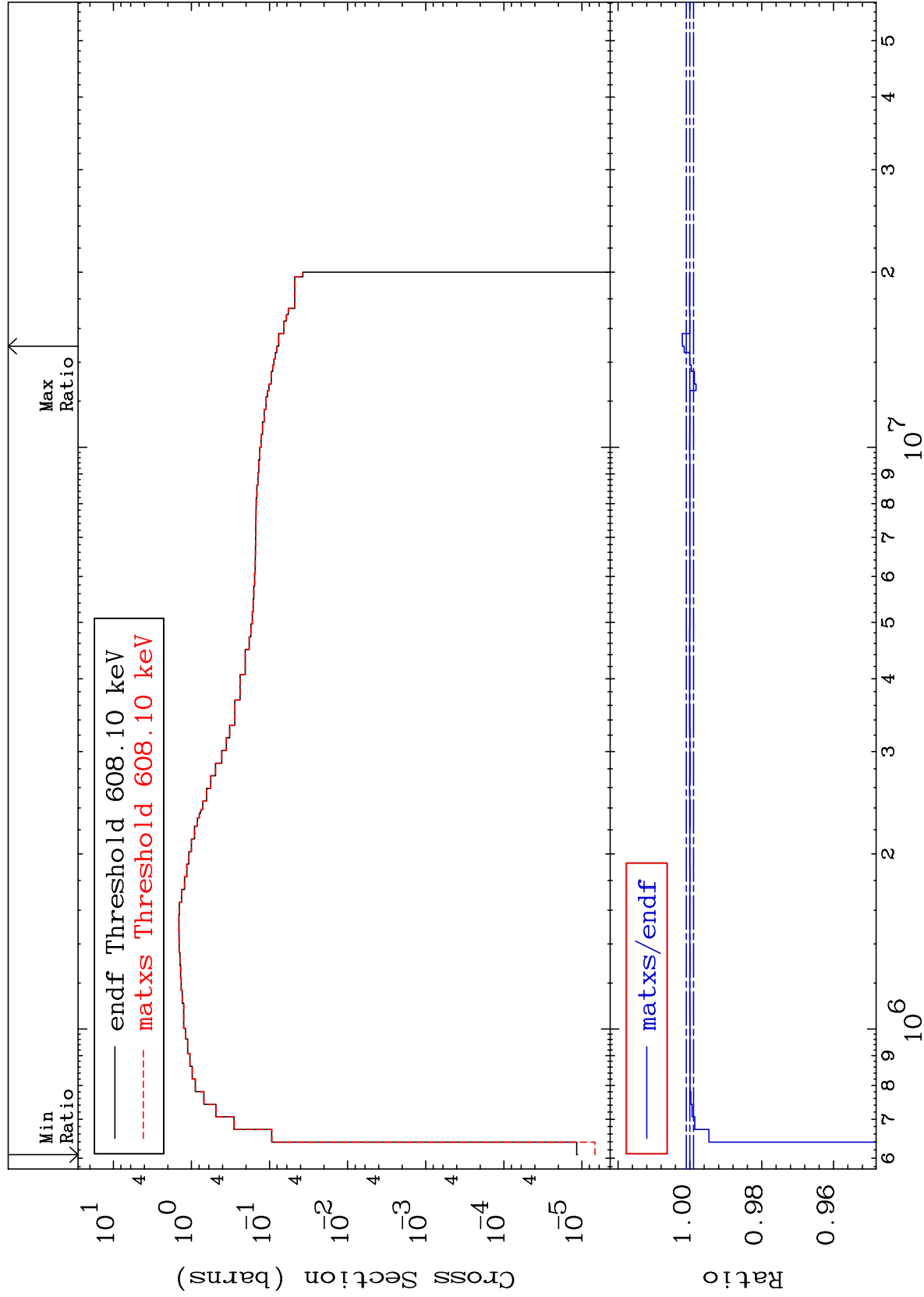
48-Cd-108
-0.782 To 1.711 %



MAT 4831

633.0 keV (n,n') Level
Cross Section

48-Cd-108
-41.55 To 0.209 %

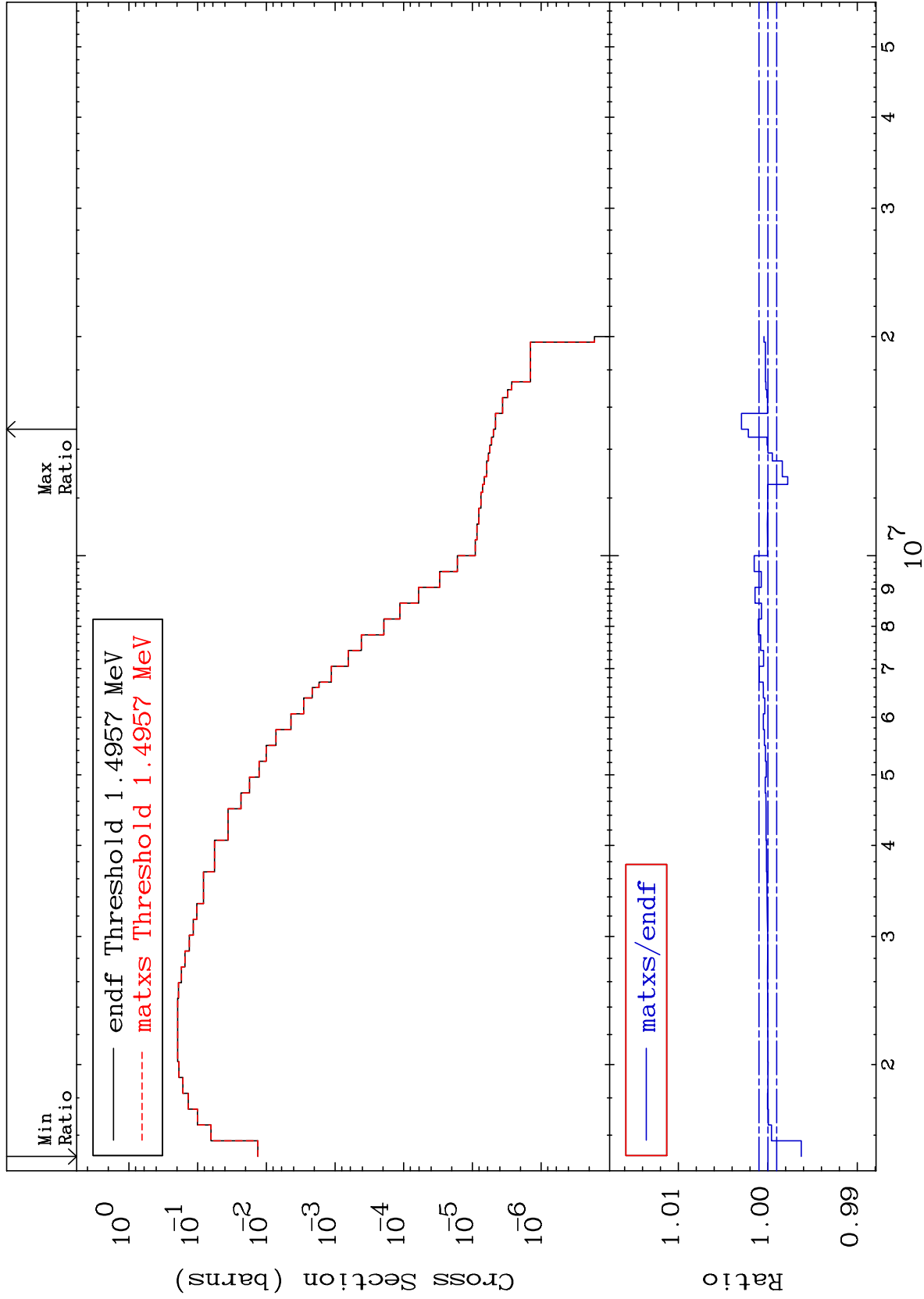


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Incident Energy (eV)

48-Cd-108

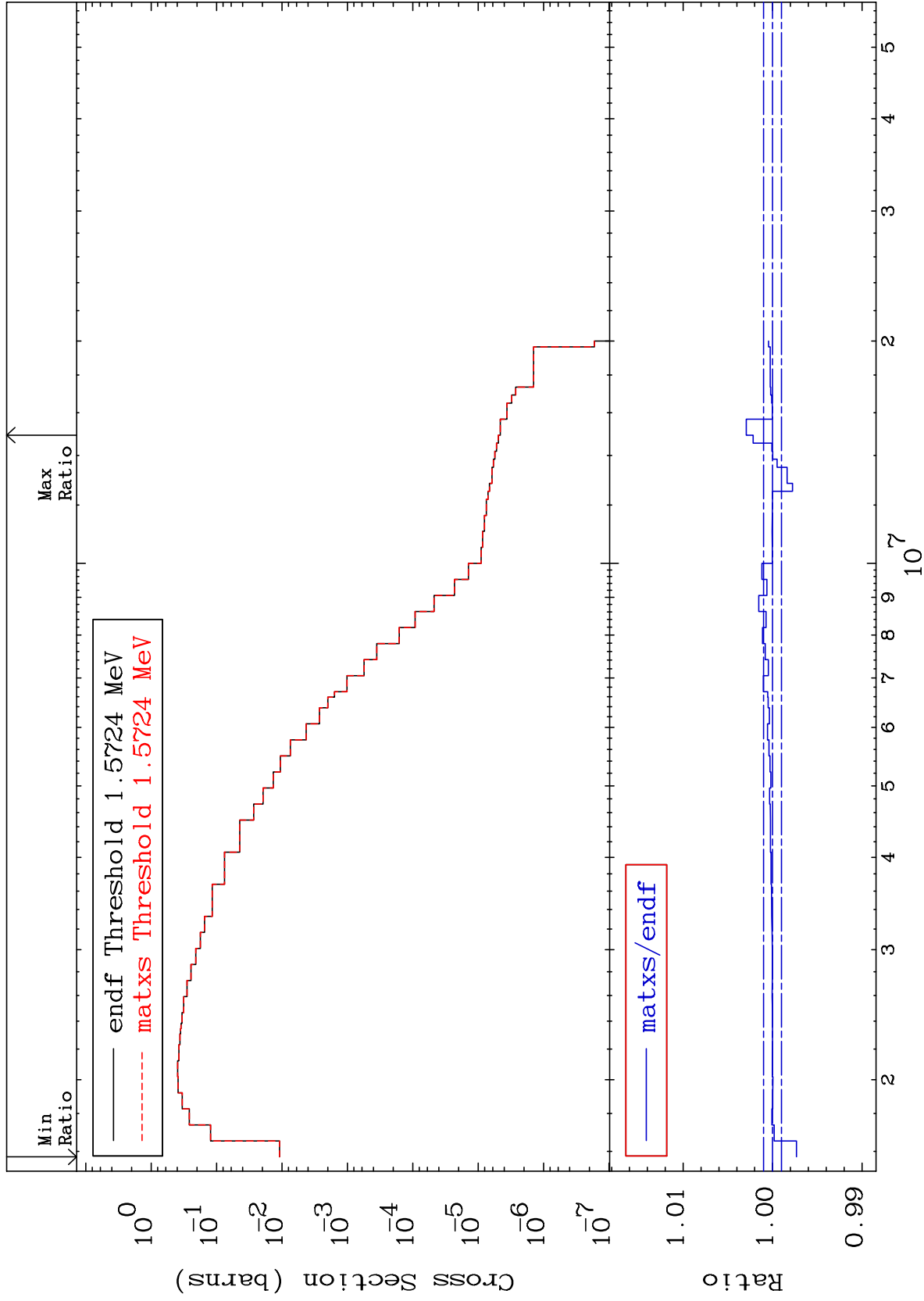
MAT 4831 1.506 MeV (n,n') Level 48-Cd-108
 Cross Section -0.373 To 0.294 %



MAT 4831

1.605 MeV (n,n') Level
Cross Section

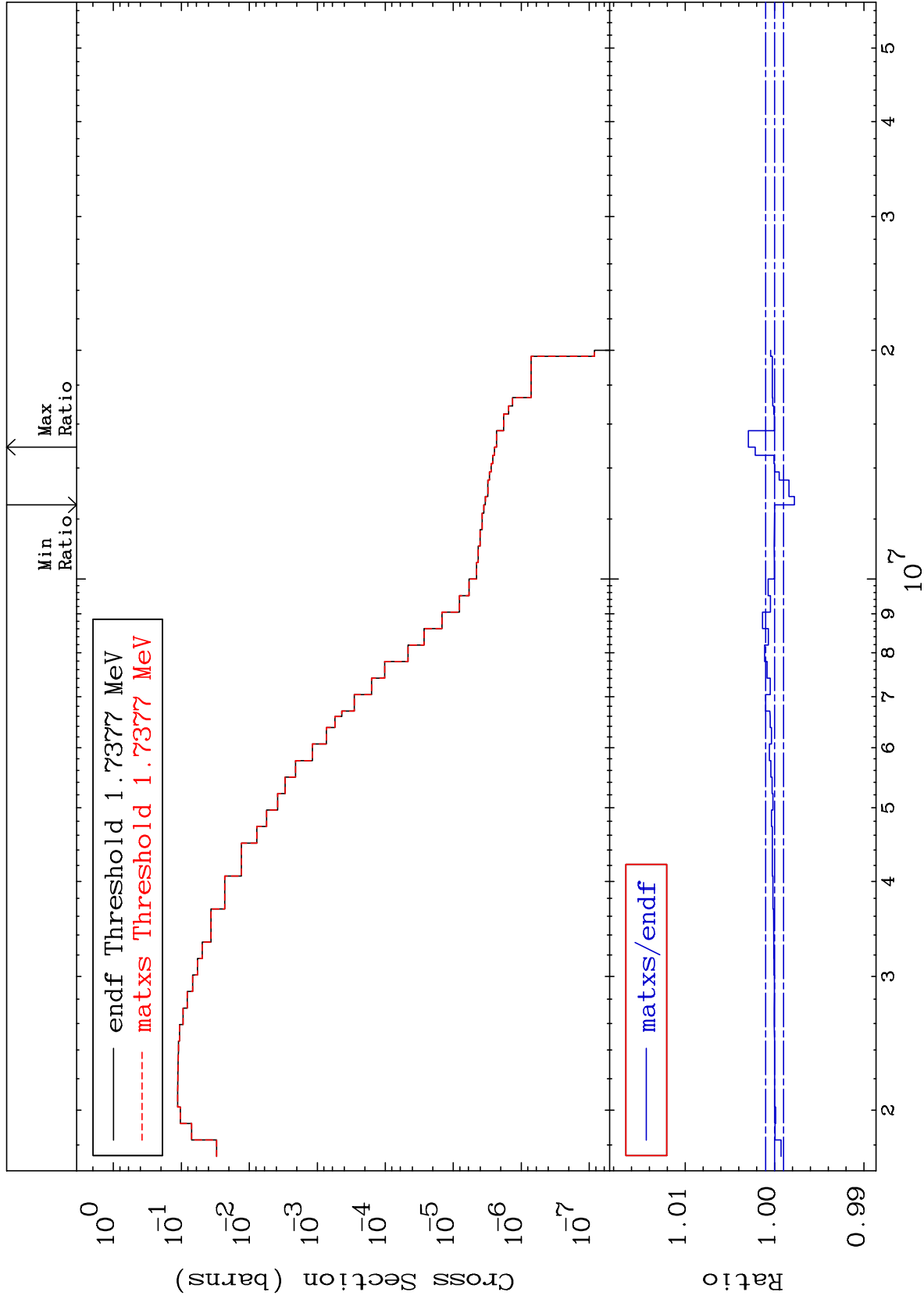
48-Cd-108
-0.267 To 0.294 %



MAT 4831

1.724 MeV (n,n') Level
Cross Section

48-Cd-108
-0.222 To 0.294 %



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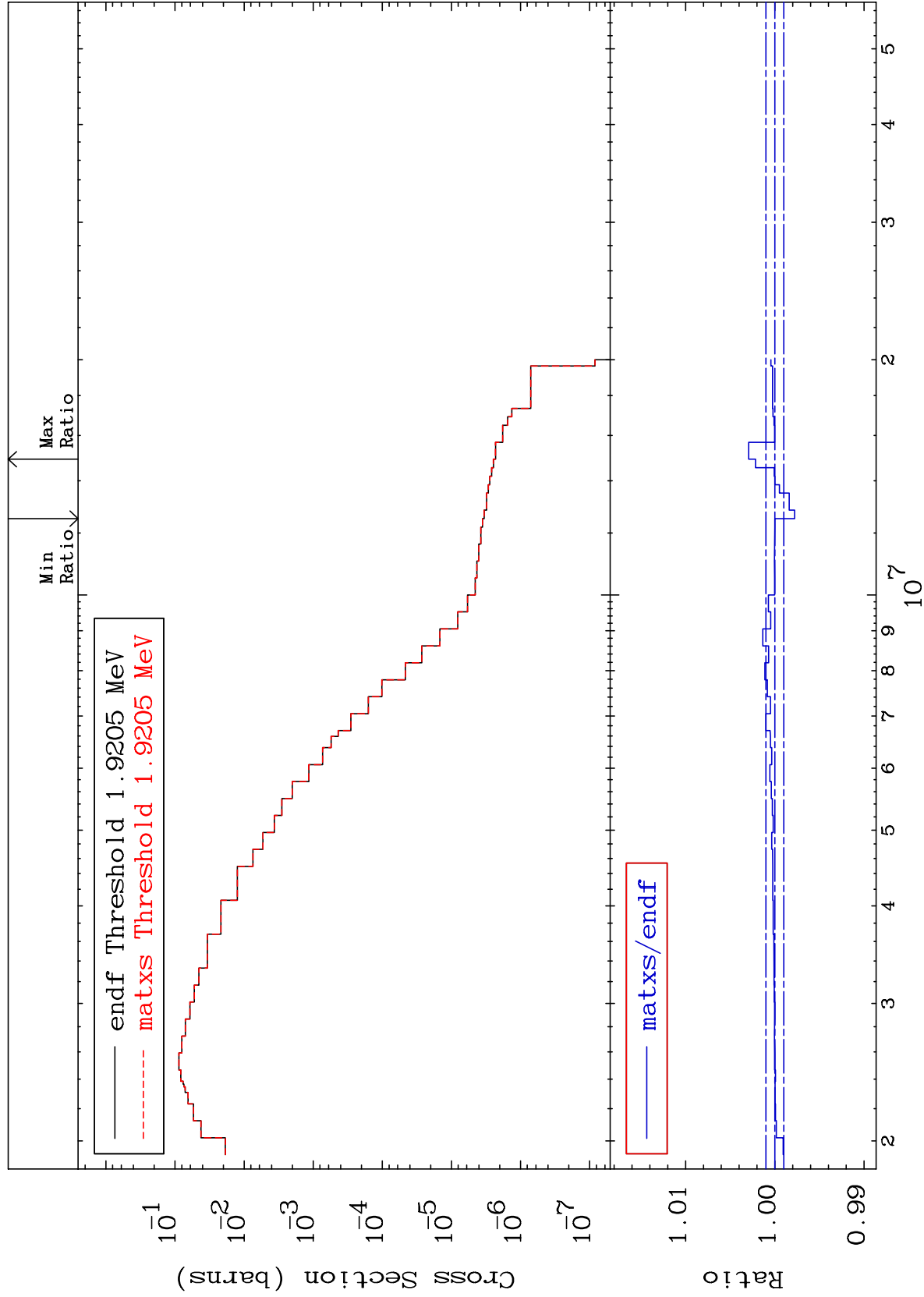
Incident Energy (eV)

48-Cd-108

MAT 4831

1.913 MeV (n,n') Level
Cross Section

48-Cd-108
-0.222 To 0.294 %



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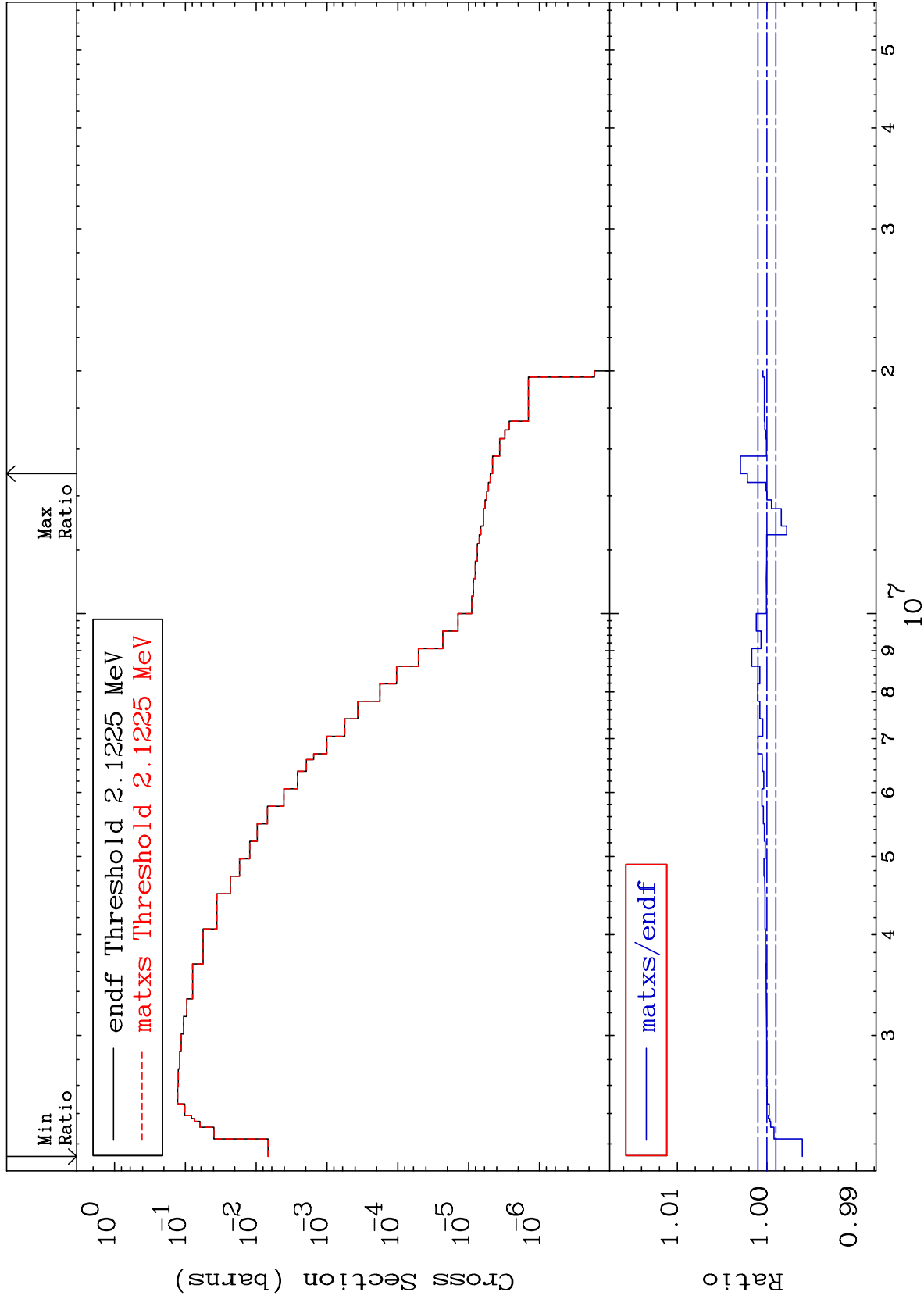
Incident Energy (eV)

48-Cd-108

MAT 4831

2.150 MeV (n,n') Level
Cross Section

48-Cd-108
-0.397 To 0.294 %



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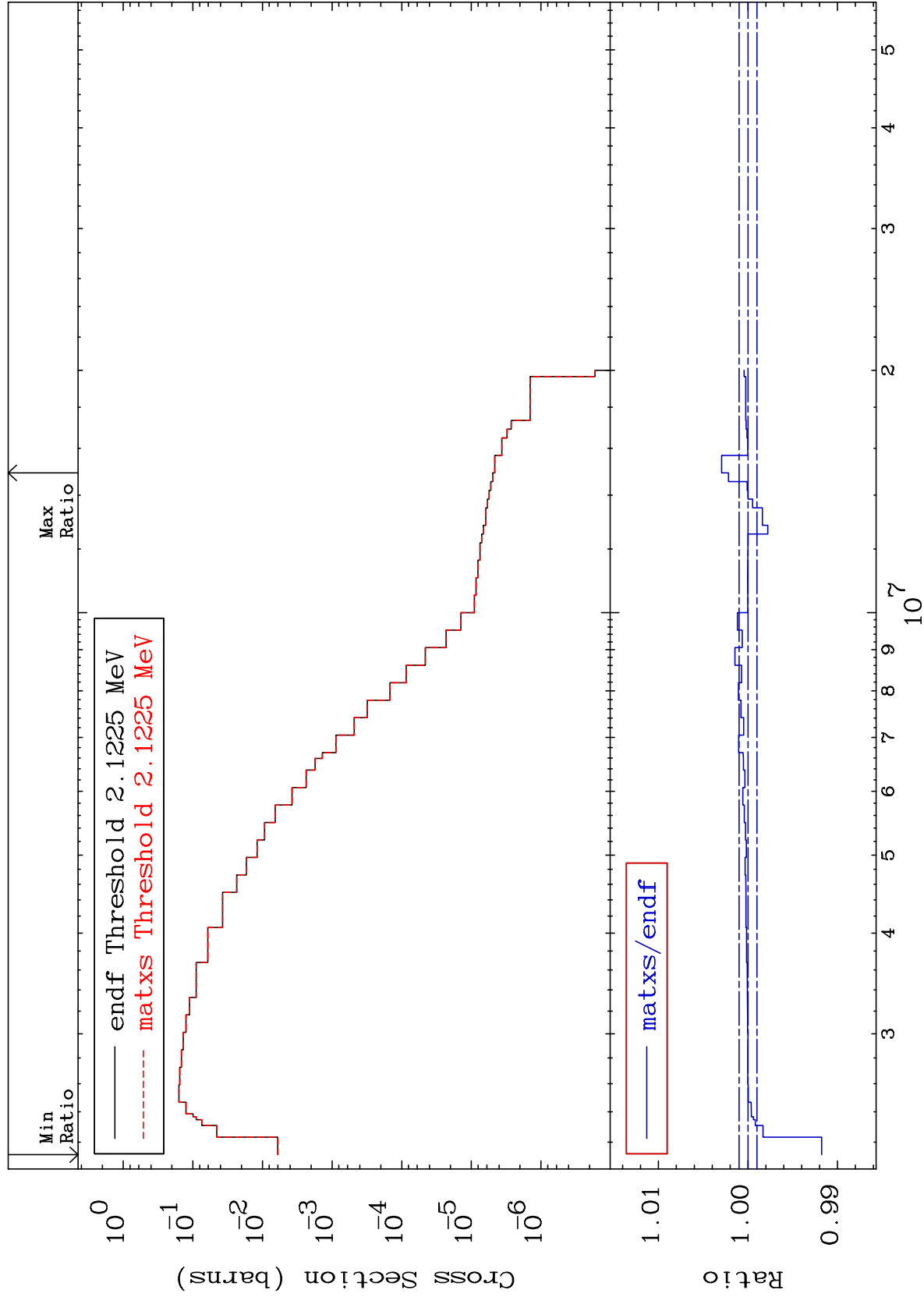
Incident Energy (eV)

48-Cd-108

MAT 4831

2.160 MeV (n,n') Level
Cross Section

48-Cd-108
-0.822 To 0.294 %



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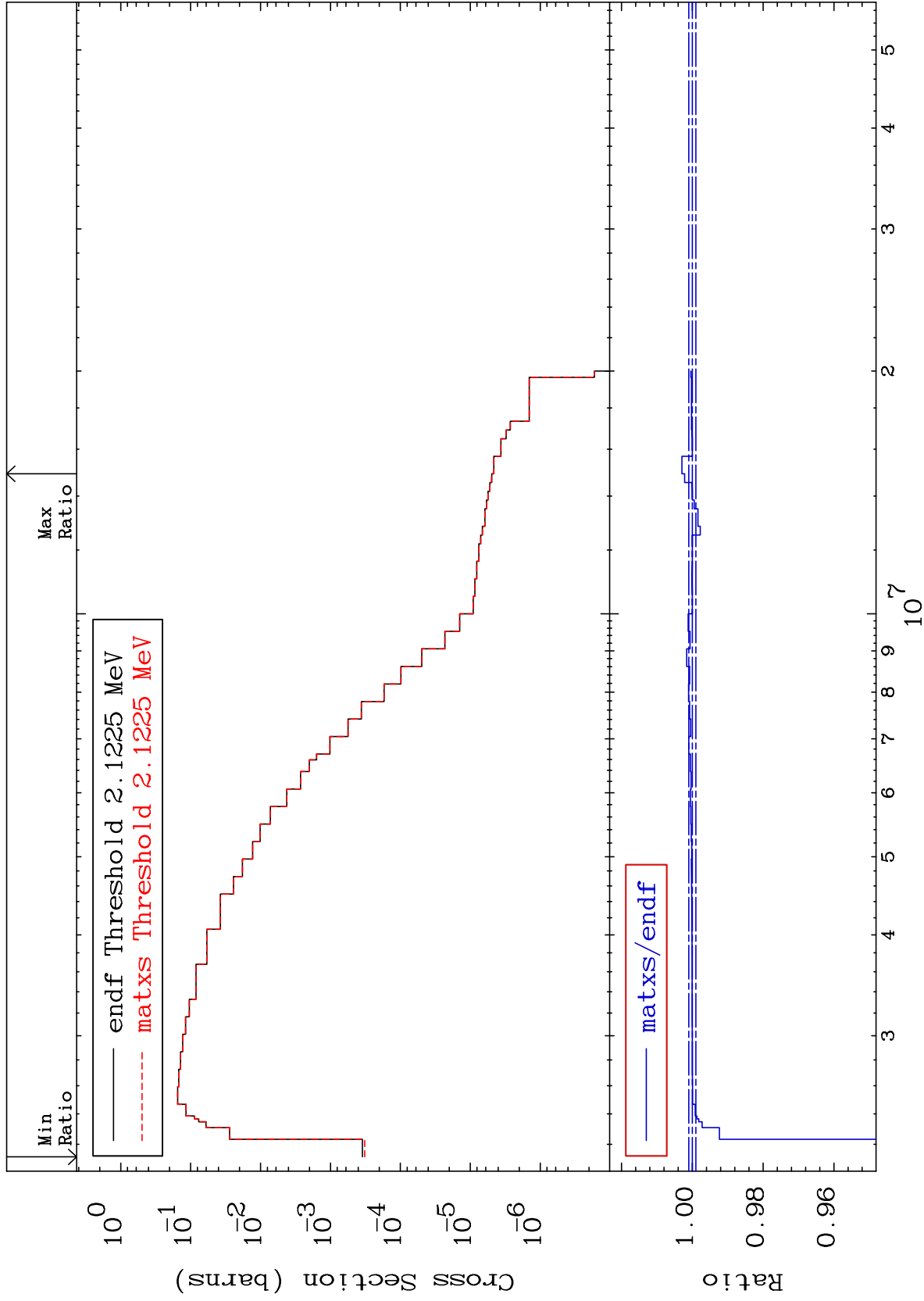
Incident Energy (eV)

48-Cd-108

MAT 4831

2.199 MeV (n,n') Level
Cross Section

48-Cd-108
-7.557 To 0.294 %



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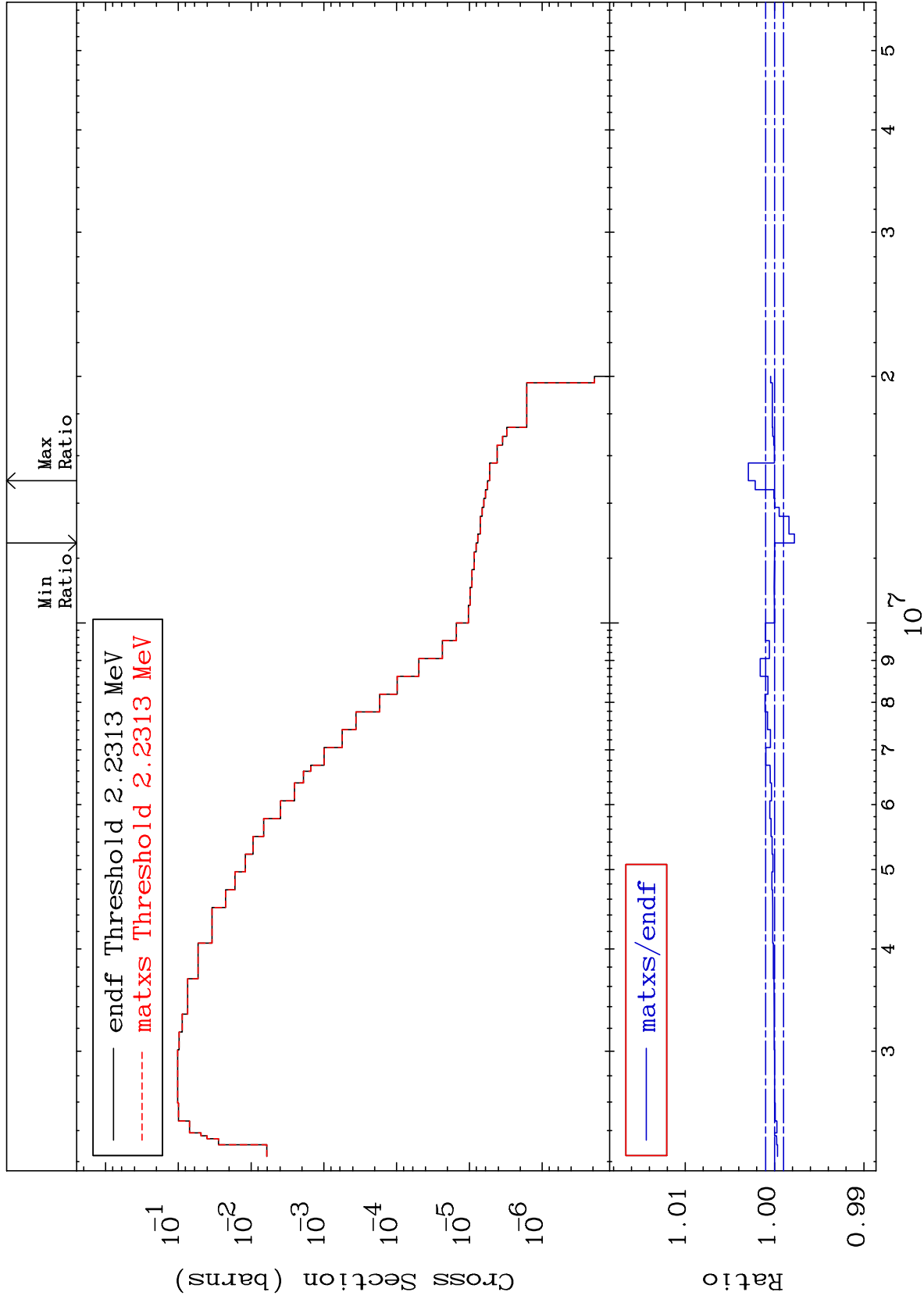
Incident Energy (eV)

48-Cd-108

MAT 4831

2.239 MeV (n,n') Level
Cross Section

48-Cd-108
-0.222 To 0.294 %



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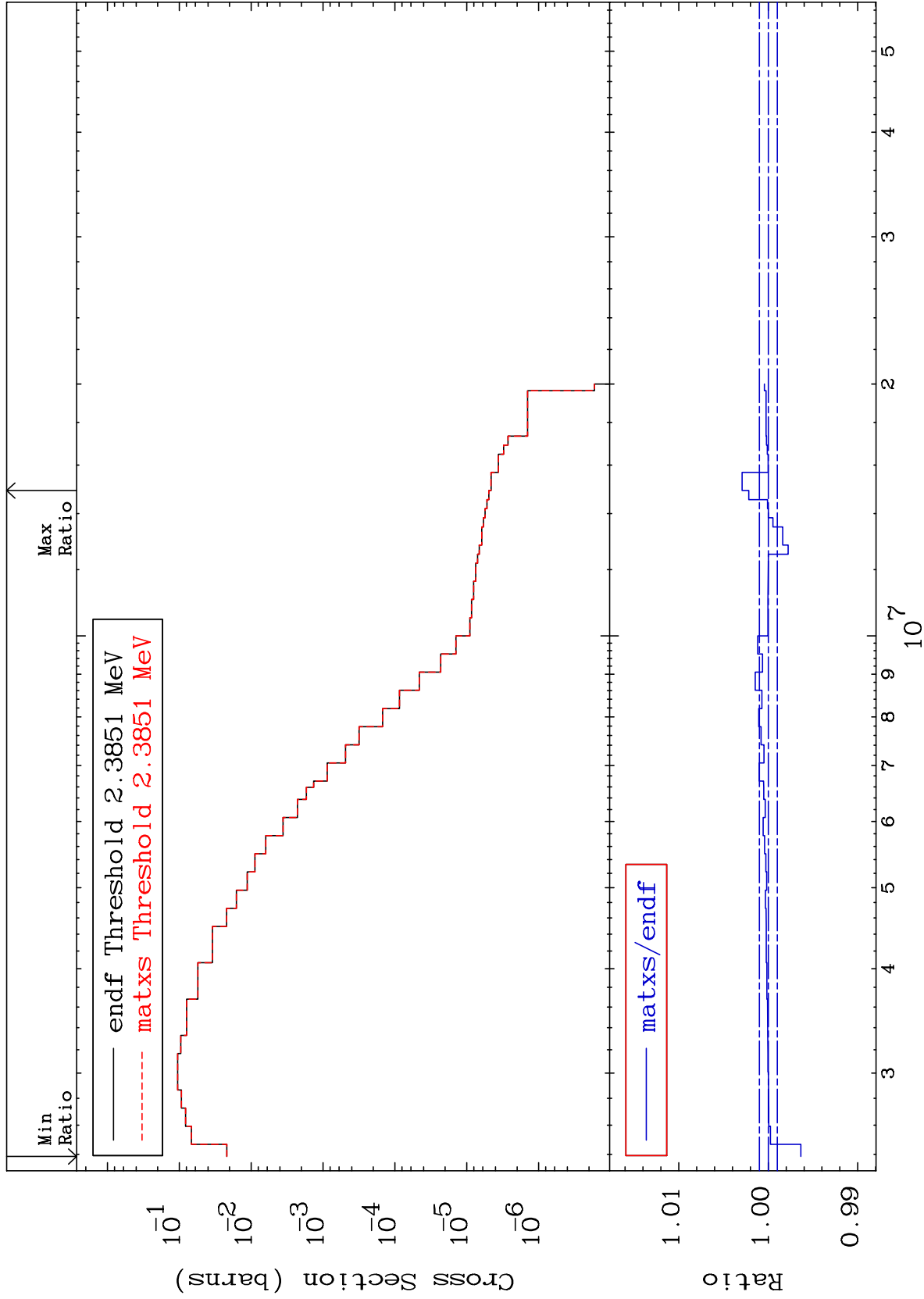
Incident Energy (eV)

48-Cd-108

MAT 4831

2.368 MeV (n,n') Level
Cross Section

48-Cd-108
-0.363 To 0.294 %



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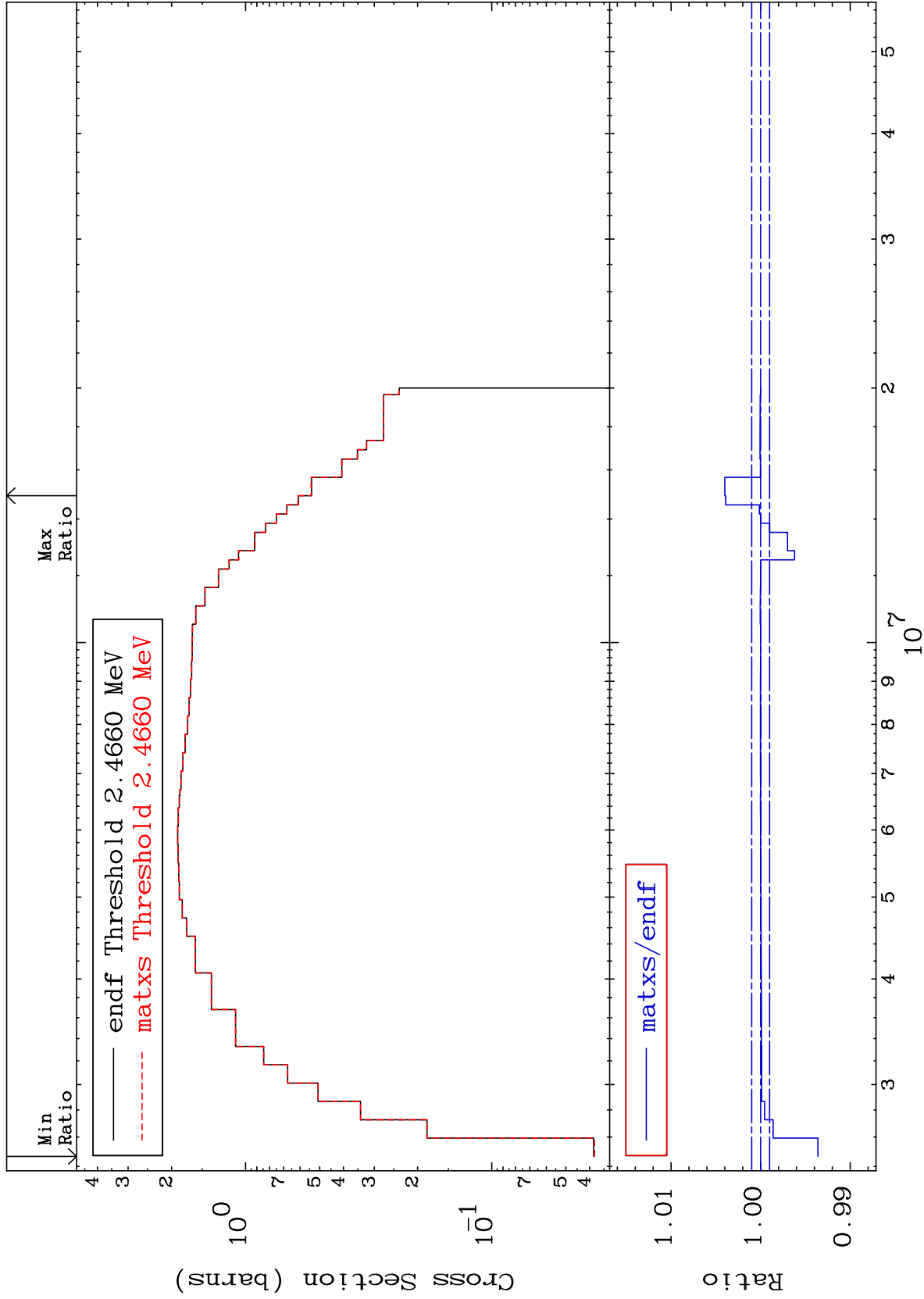
Incident Energy (eV)

48-Cd-108

MAT 4831

(n, n') Continuum
Cross Section

48-Cd-108
-0.640 To 0.400 %



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Incident Energy (eV)

48-Cd-108

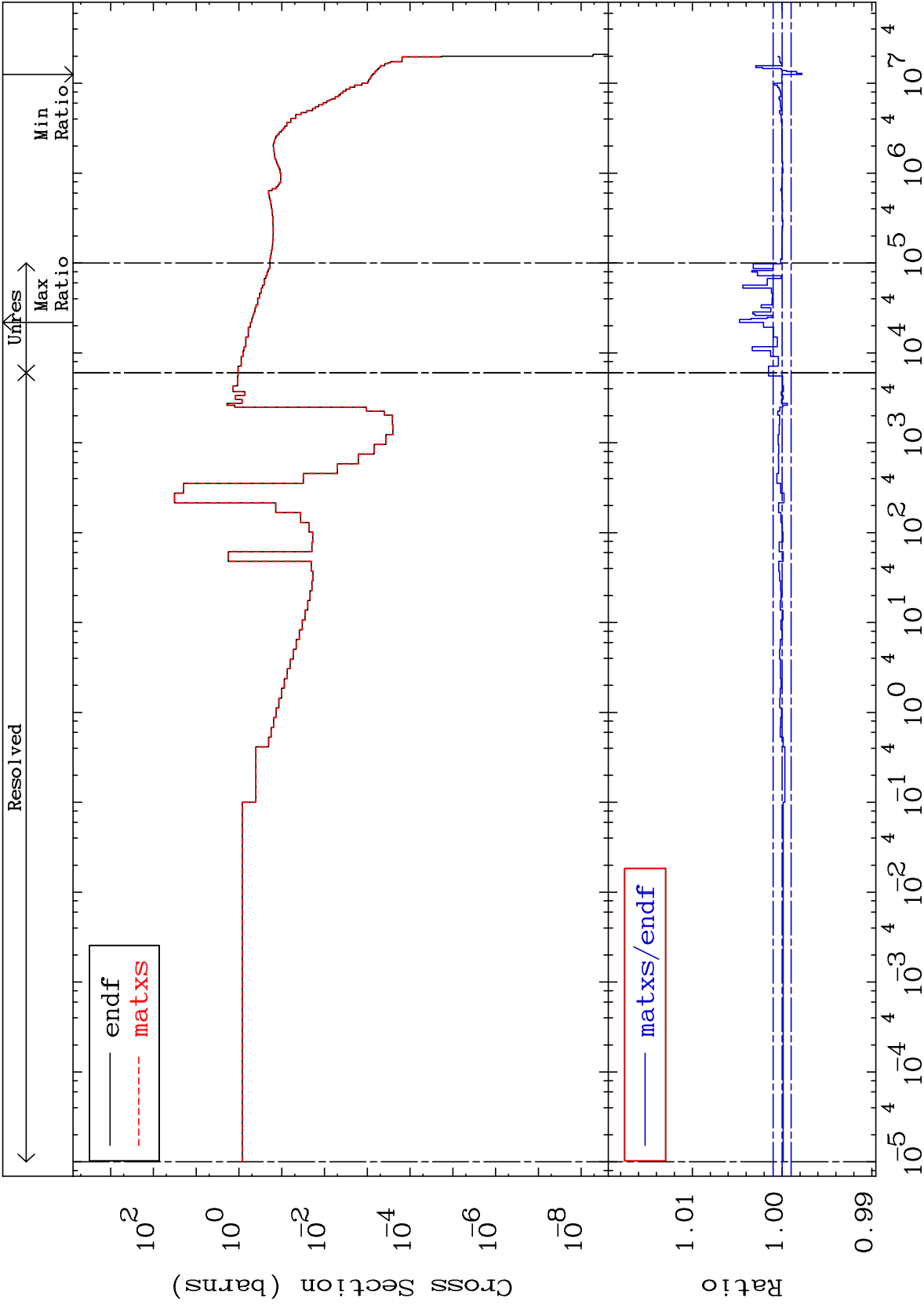
MAT 4831

(n, γ)

48-Cd-108

Cross Section

-0.222 To 0.474 %



MAT 4831

(n,p)

48-Cd-108

Cross Section

-0.670 To 0.373 %

Min Ratio

Max Ratio

— endf Threshold 862.94 keV
- - - matxs Threshold 862.94 keV

— matxs/endlf

10^0
 10^{-2}
 10^{-4}
 10^{-6}
 10^{-8}
 10^{-10}
 10^{-12}
1.01
1.00
0.99

Cross Section (barns)

Ratio

10^6

10^7

19

Incident Energy (eV)

48-Cd-108

5

4

3

2

1

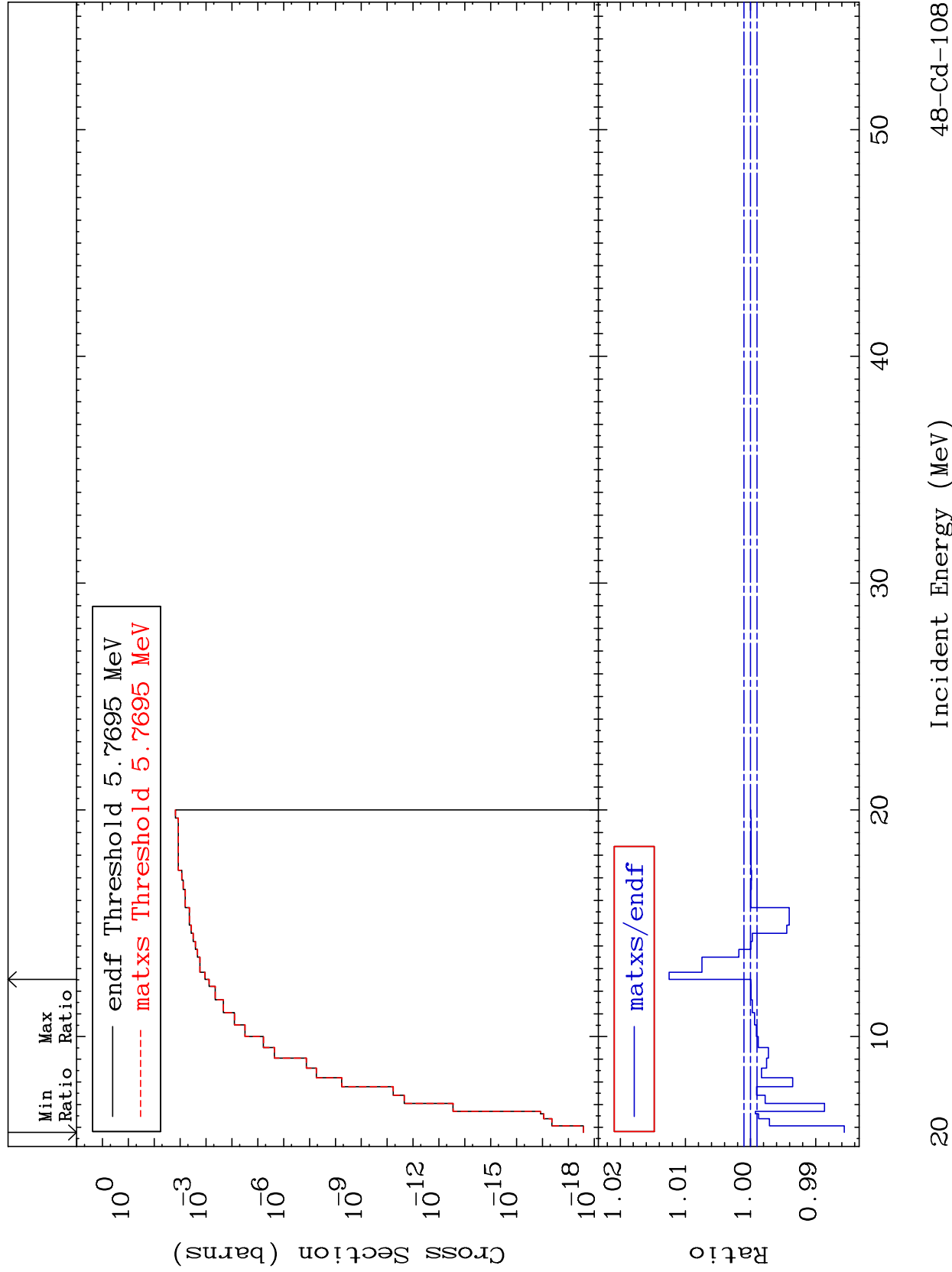
MAT 4831

(n,d)

48-Cd-108

Cross Section

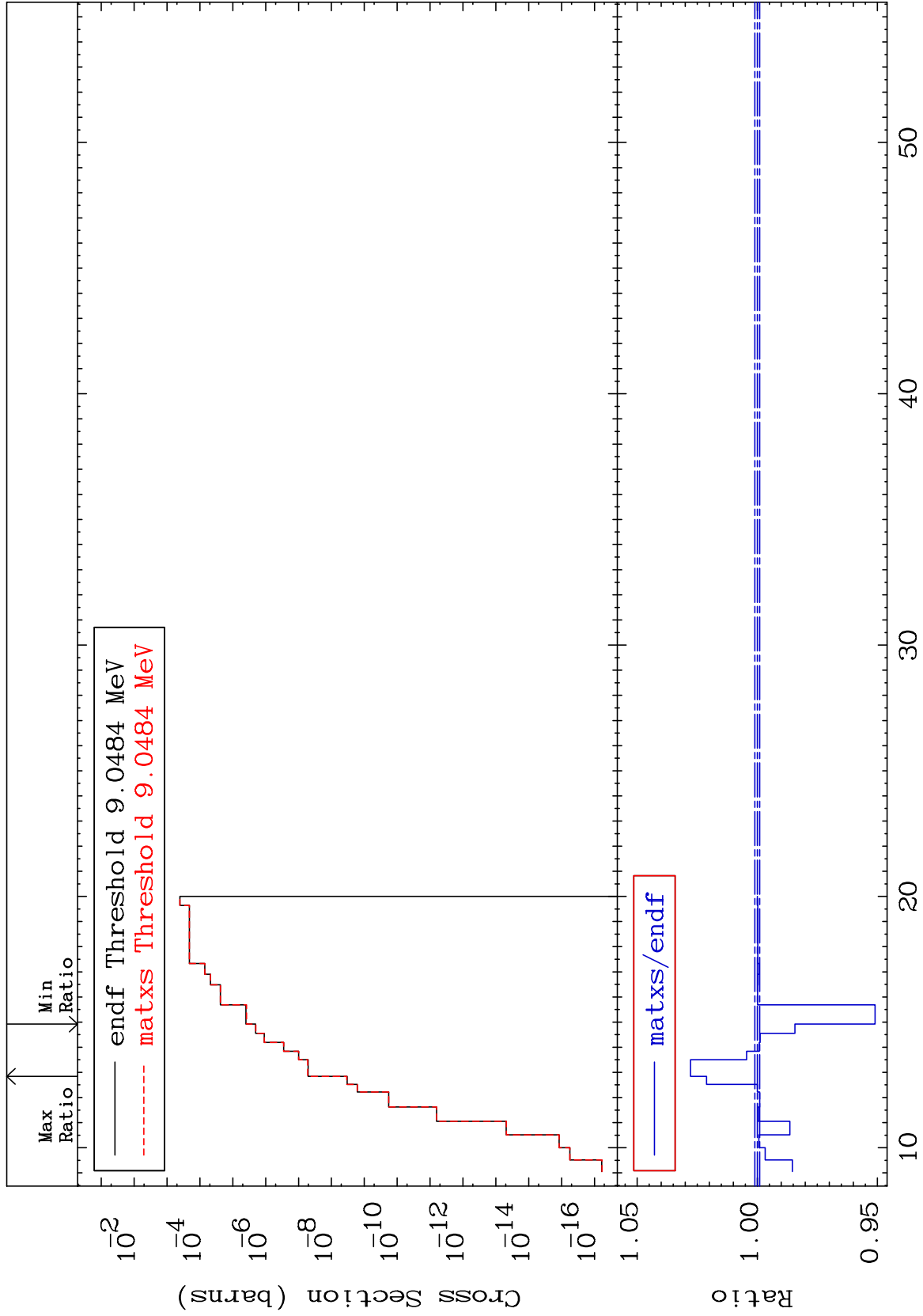
-1.439 To 1.250 %



MAT 4831

(n, t)
Cross Section

48-Cd-108
-4.900 To 2.777 %



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Incident Energy (MeV)

48-Cd-108

MAT 4831

(n, α)

48-Cd-108

Cross Section

-53.35 To 0.388 %

