

Program Complot
(Version 2015-2)

by

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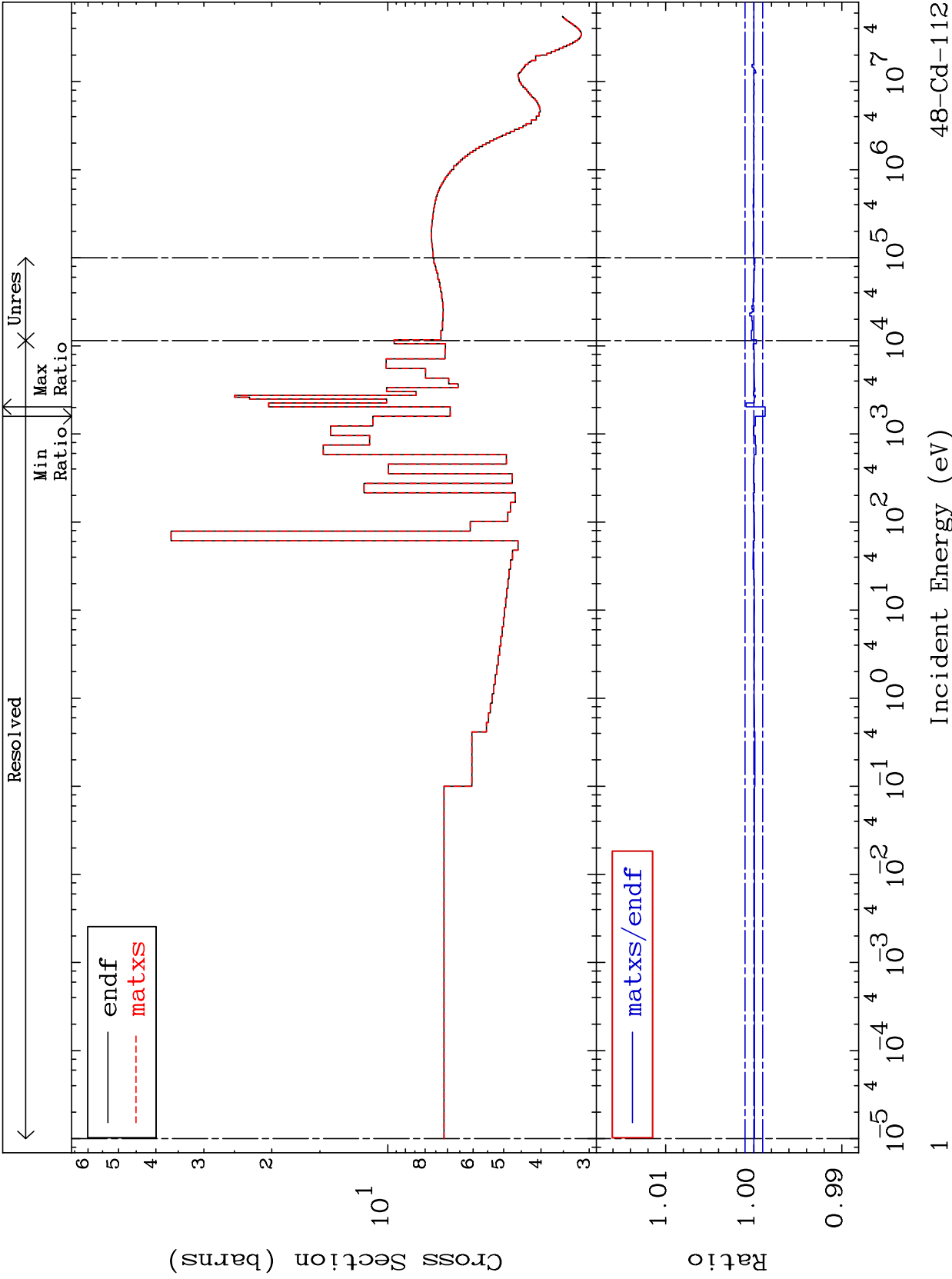
E.Mail: redcullen1@comcast.net
Web: home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 4843

Total
Cross Section

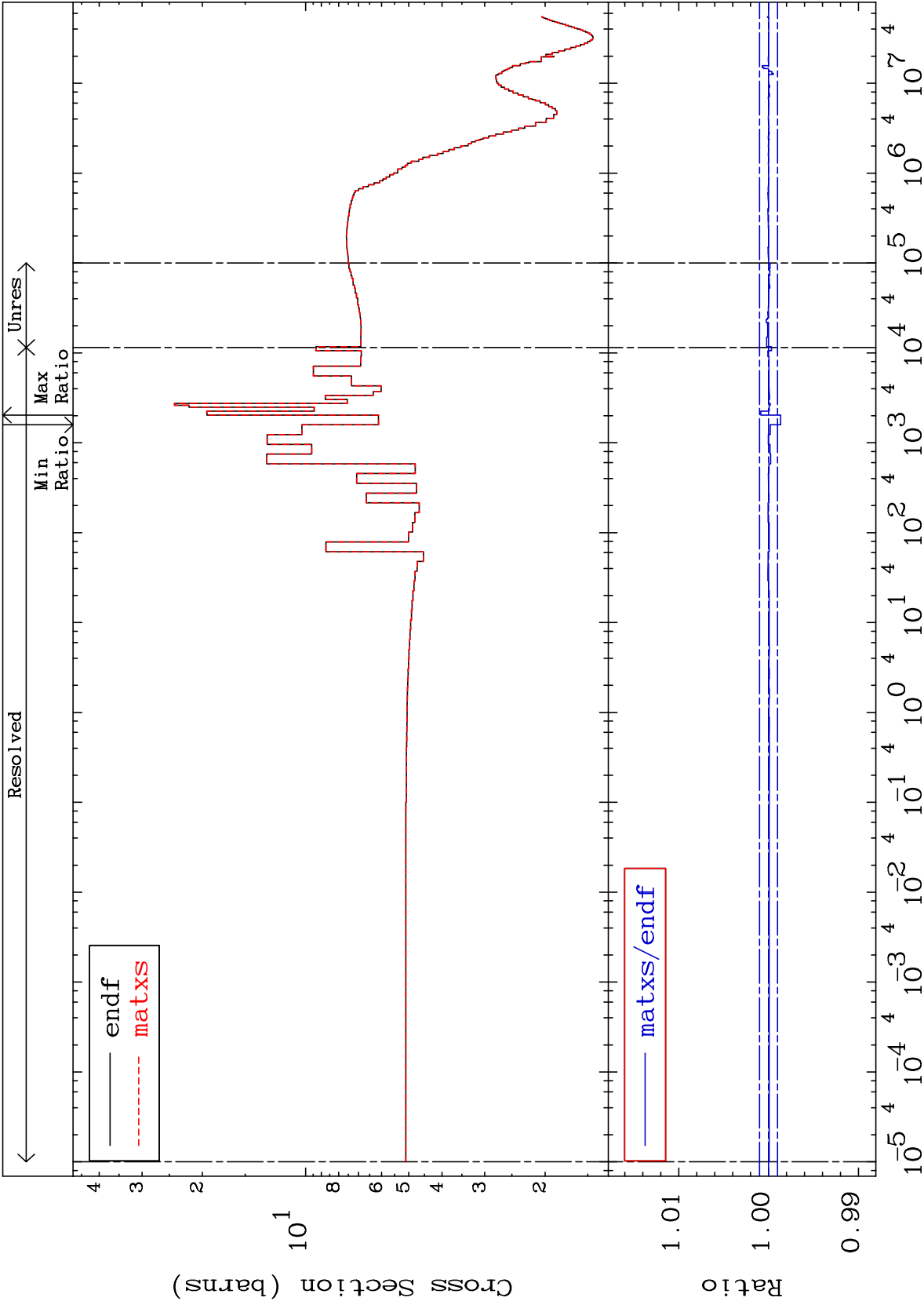
48-Cd-112
-0.130 To 0.088 %



MAT 4843

Elastic
Cross Section

48-Cd-112
-0.135 To 0.087 %



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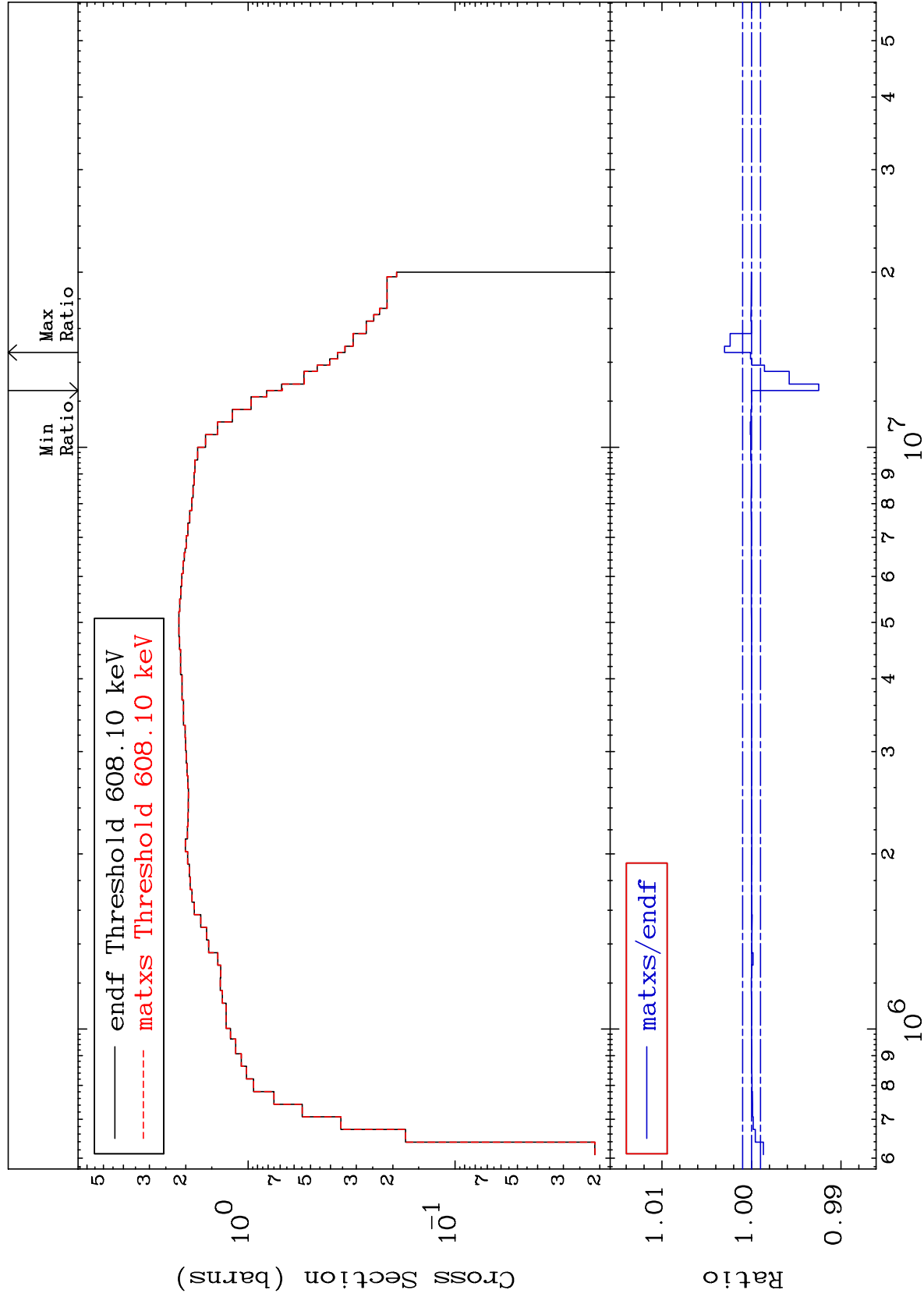
Incident Energy (eV)

48-Cd-112

MAT 4843

Inelastic
Cross Section

48-Cd-112
-0.752 To 0.302 %



3

Incident Energy (eV)

48-Cd-112

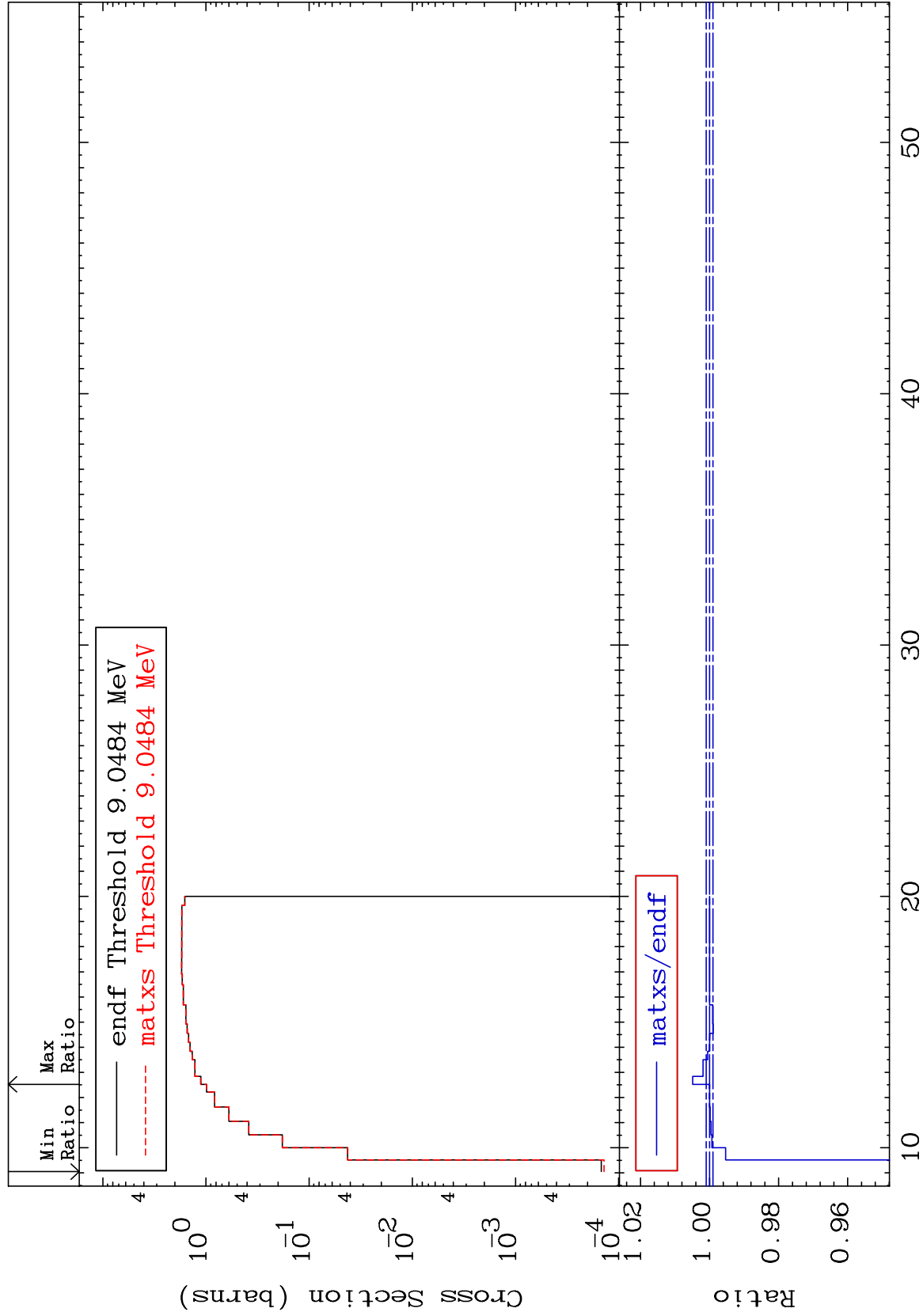
MAT 4843

(n,2n)

48-Cd-112

Cross Section

-5.772 To 0.488 %



4

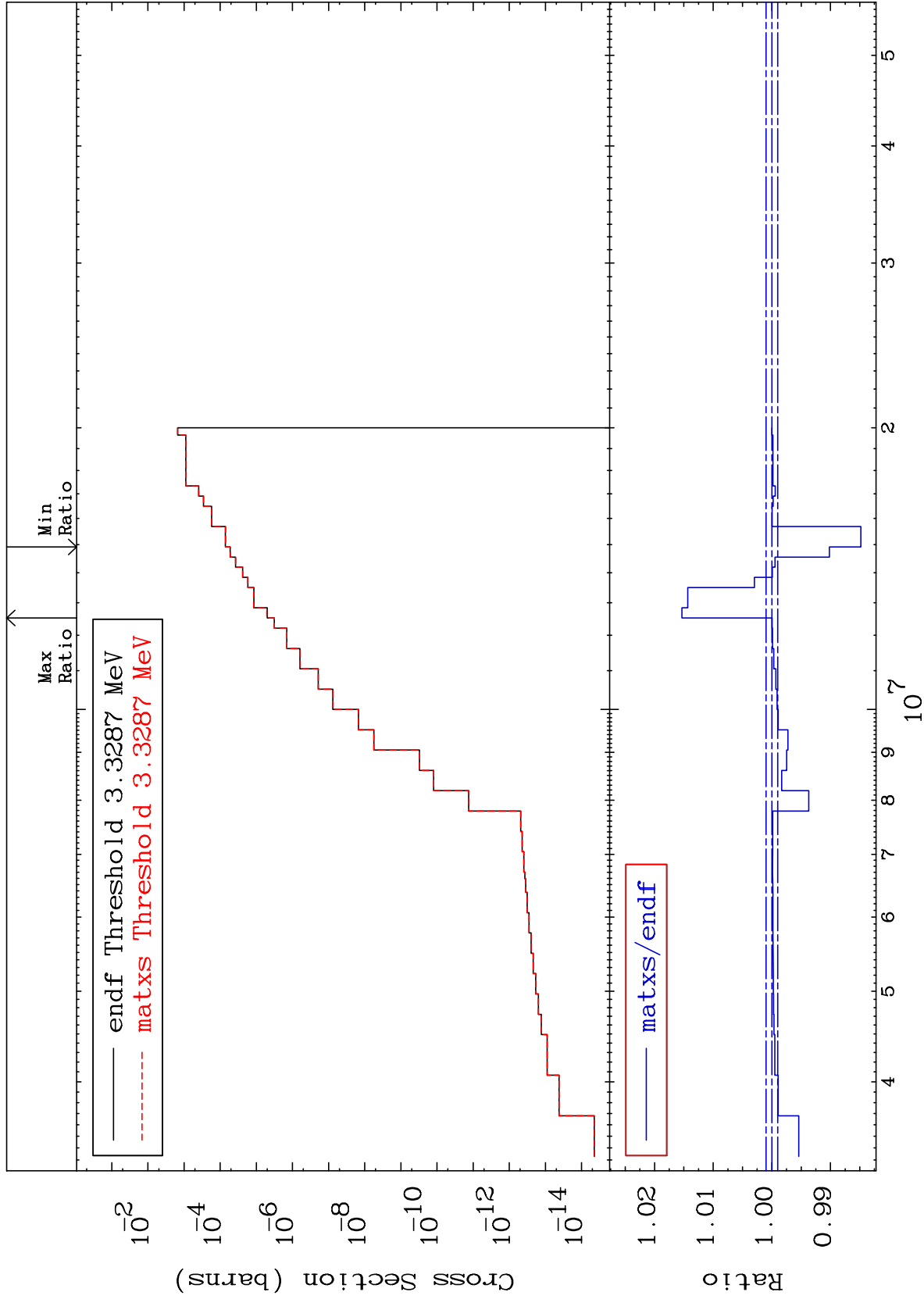
Incident Energy (MeV)

48-Cd-112

MAT 4843

48-Cd-112
-1.518 To 1.533 %

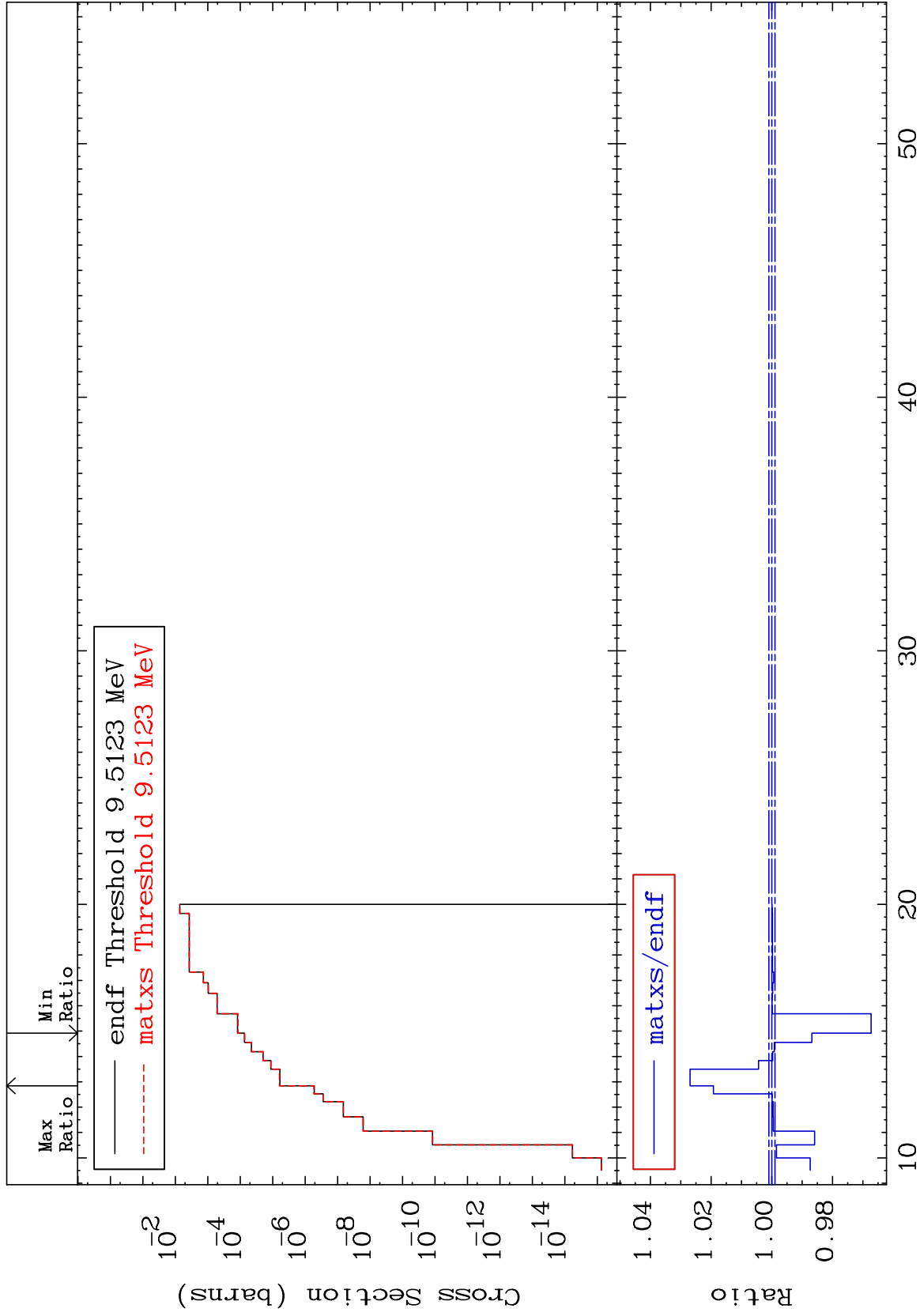
(n, n') α
Cross Section



MAT 4843

(n, n') p
Cross Section

48-Cd-112
-3.268 To 2.693 %



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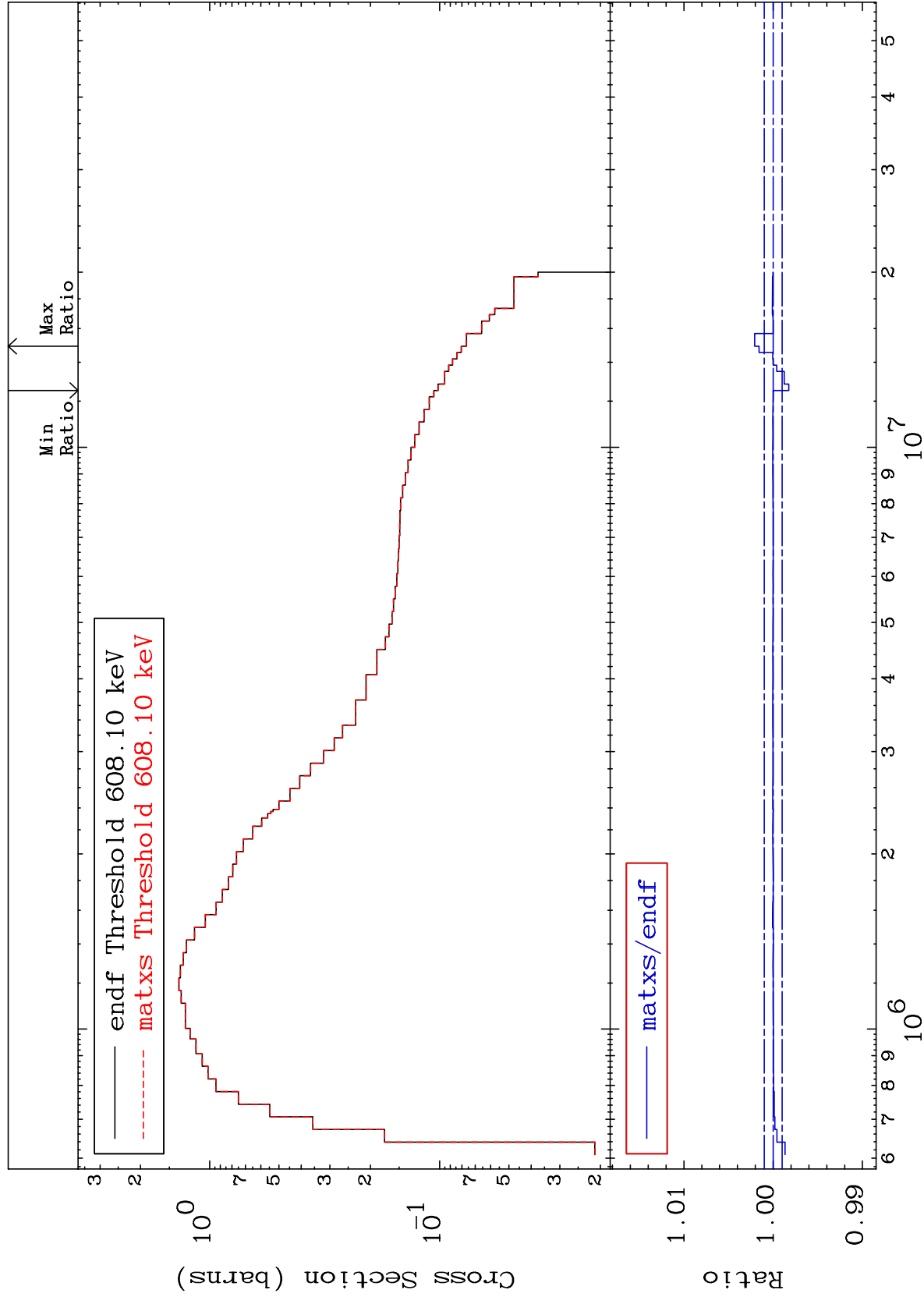
Incident Energy (MeV)

48-Cd-112

MAT 4843

618.0 keV (n,n') Level
Cross Section

48-Cd-112
-0.174 To 0.208 %



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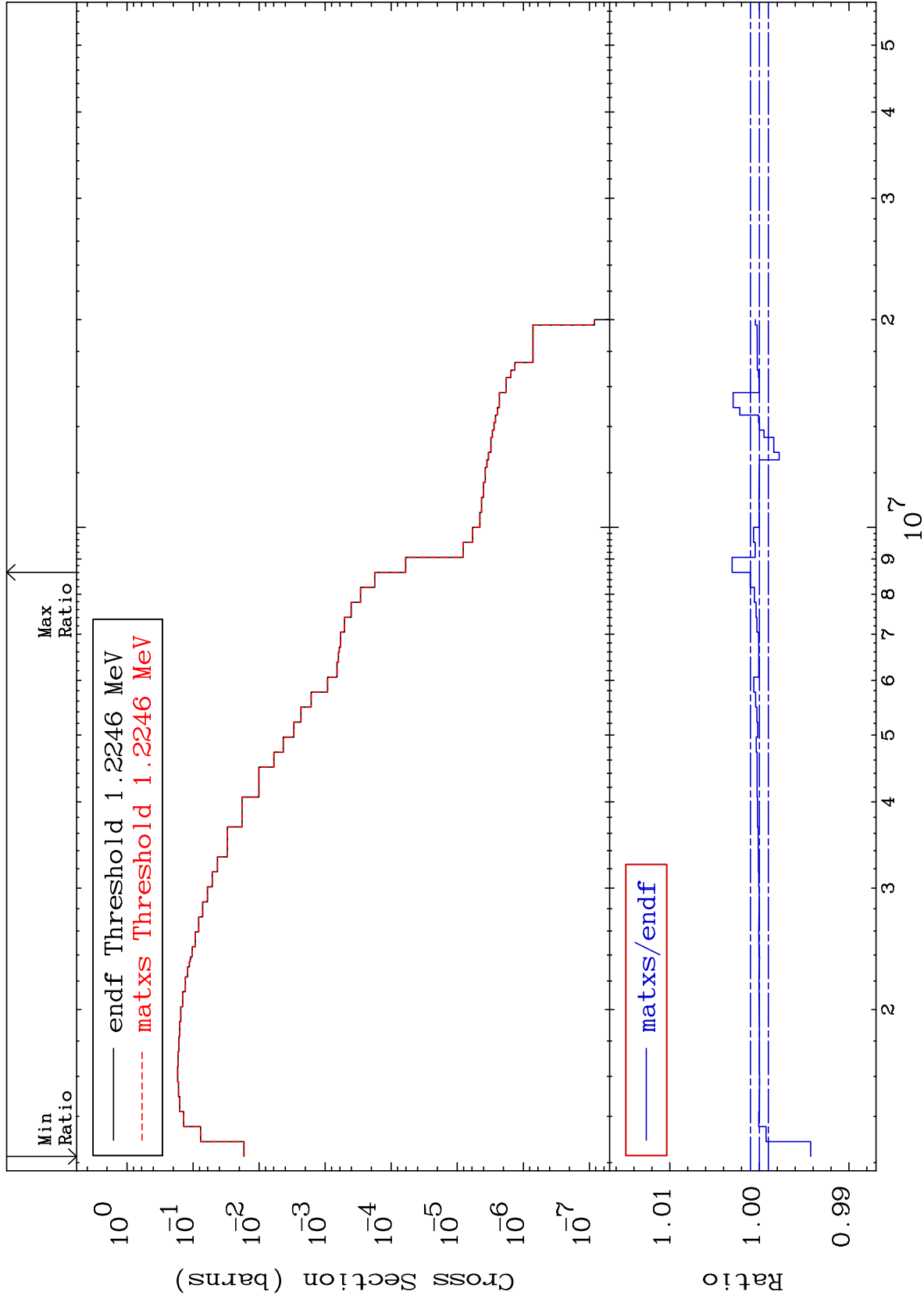
Incident Energy (eV)

48-Cd-112

MAT 4843

1.229 MeV (n,n') Level
Cross Section

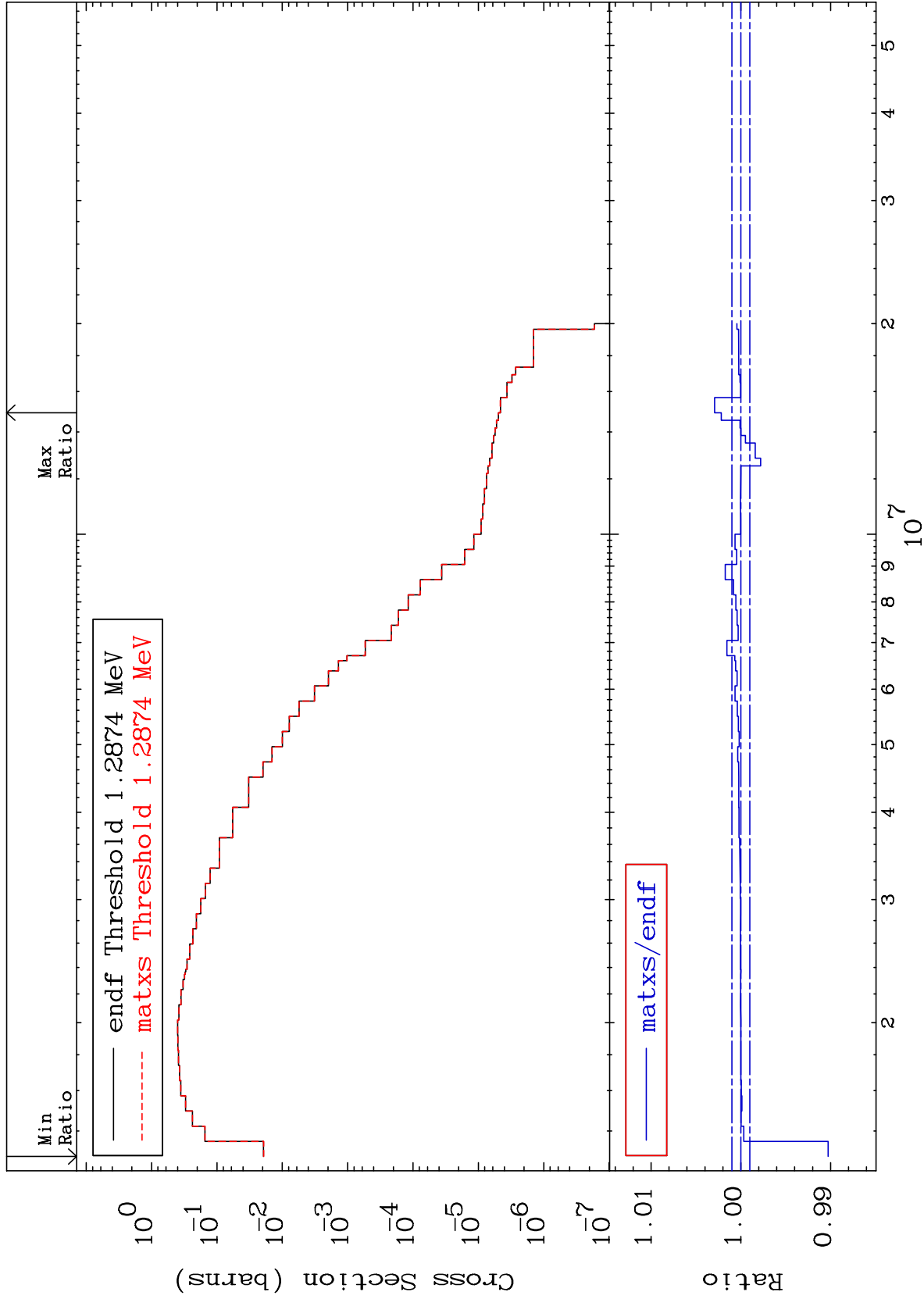
48-Cd-112
-0.572 To 0.304 %



MAT 4843

1.308 MeV (n,n') Level
Cross Section

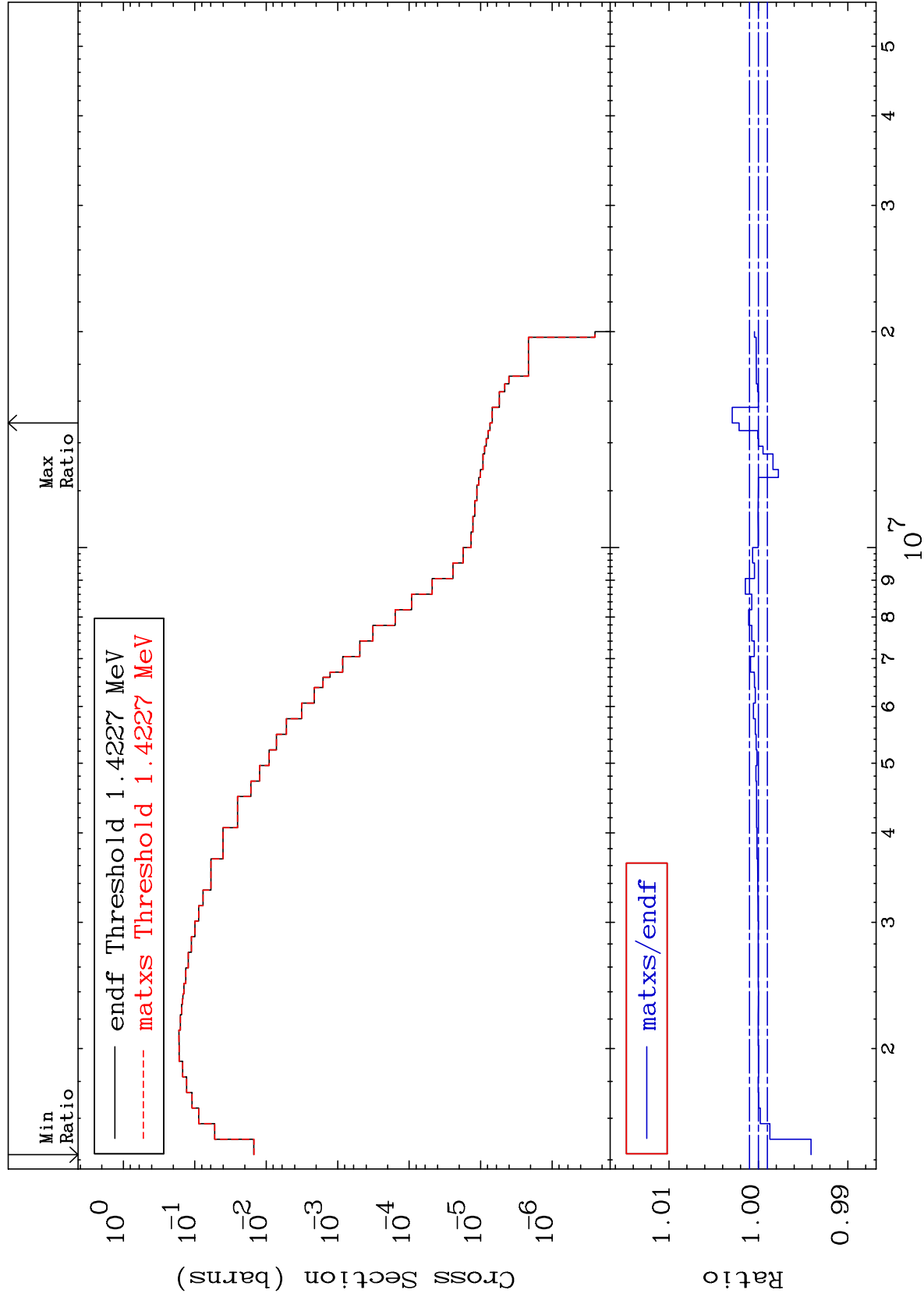
48-Cd-112
-0.974 To 0.293 %



MAT 4843

1.417 MeV (n,n') Level
Cross Section

48-Cd-112
-0.587 To 0.293 %



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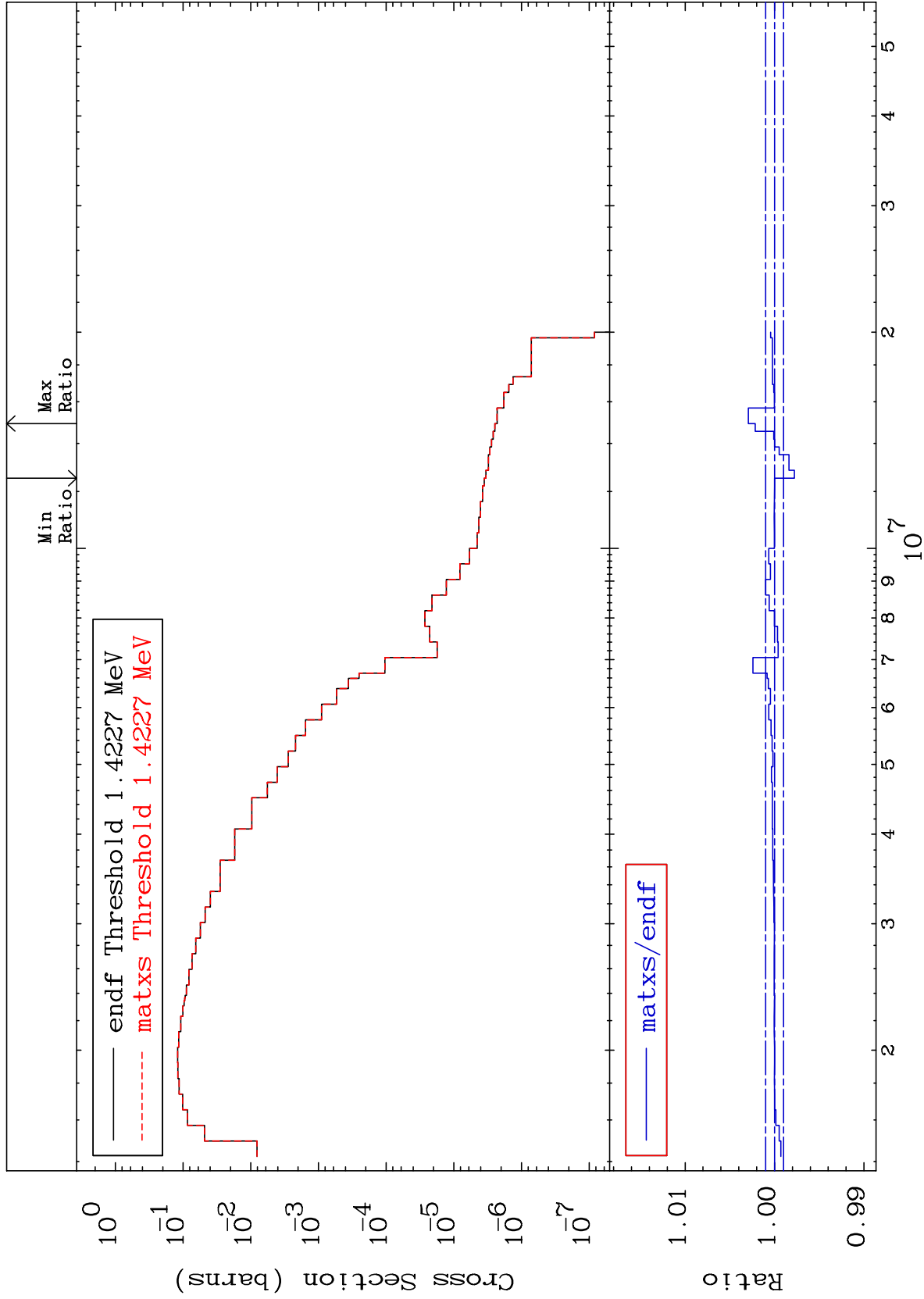
Incident Energy (eV)

48-Cd-112

MAT 4843

1.437 MeV (n,n') Level
Cross Section

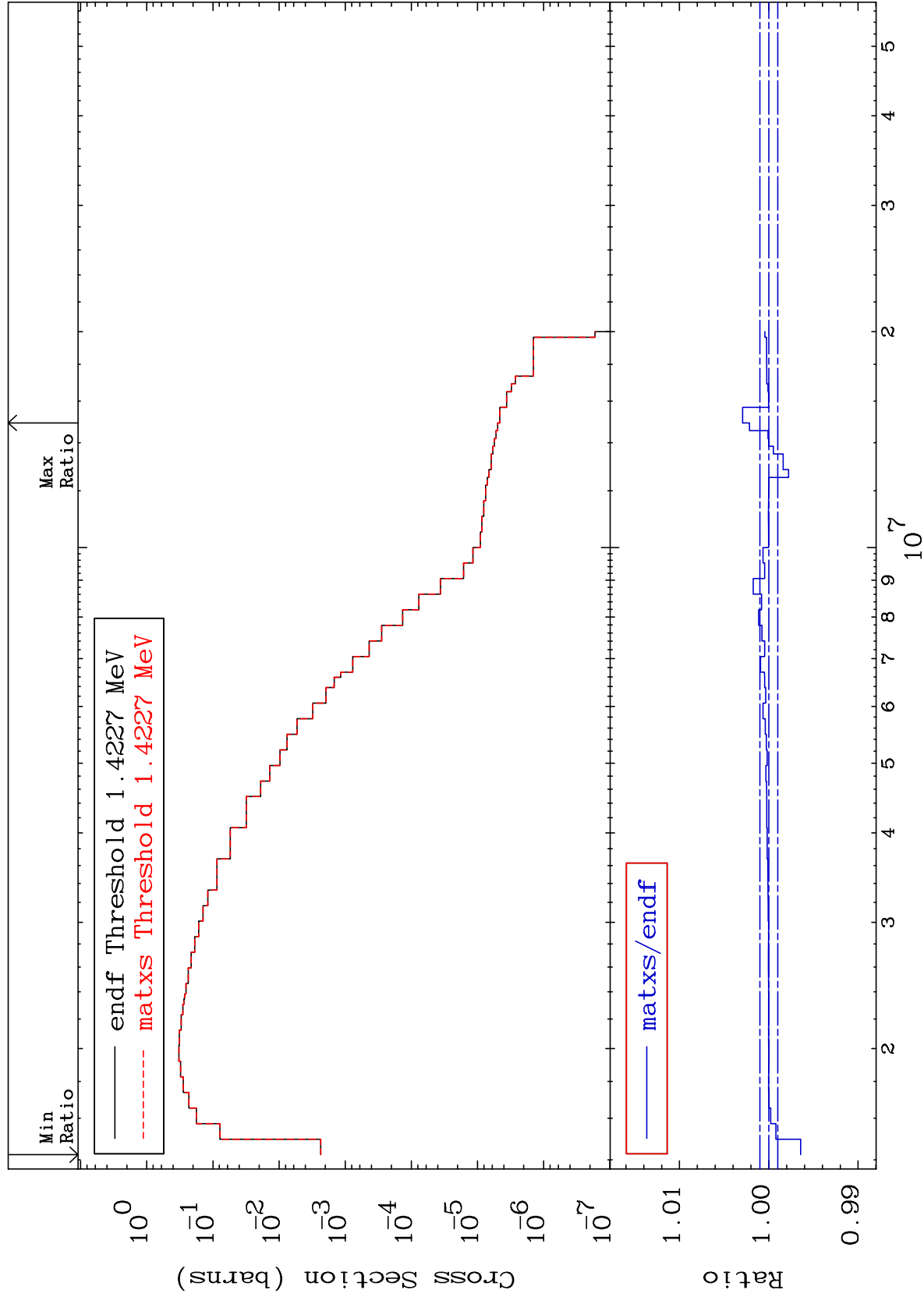
48-Cd-112
-0.222 To 0.293 %



MAT 4843

1.467 MeV (n,n') Level
Cross Section

48-Cd-112
-0.356 To 0.293 %



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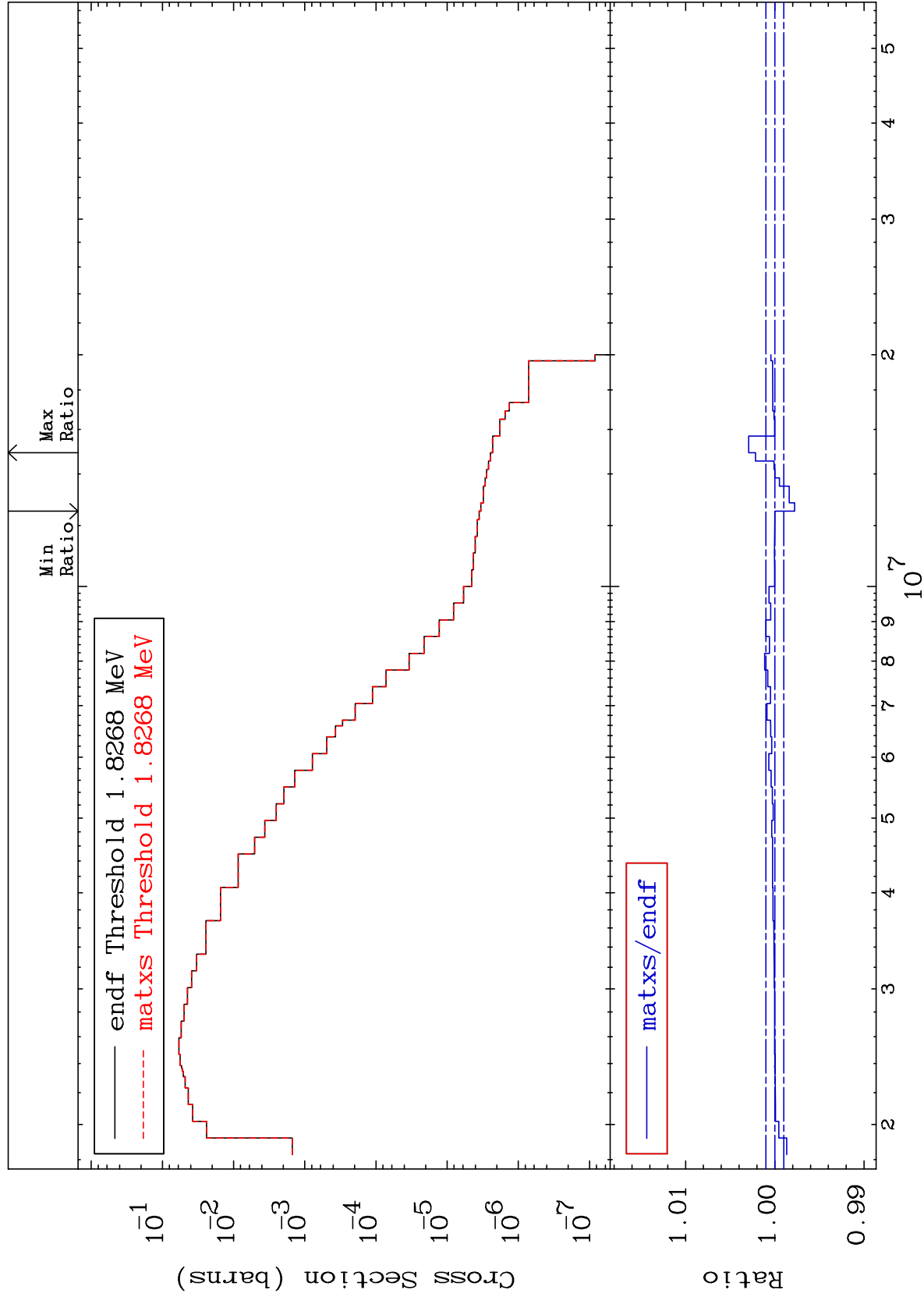
Incident Energy (eV)

48-Cd-112

MAT 4843

1.873 MeV (n,n') Level
Cross Section

48-Cd-112
-0.222 To 0.293 %



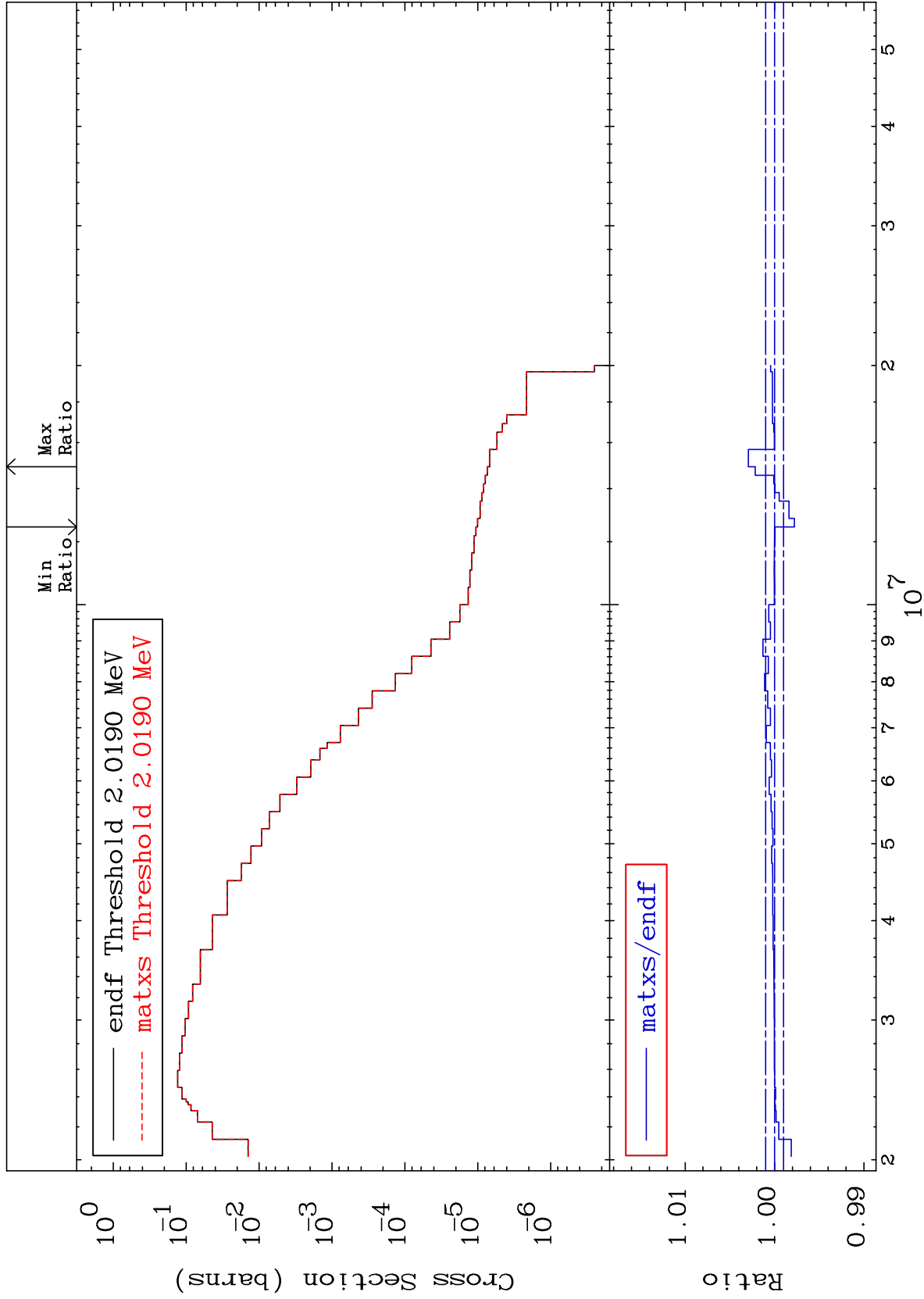
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48-Cd-112

MAT 4843

2.002 MeV (n,n') Level
Cross Section

48-Cd-112
-0.221 To 0.293 %



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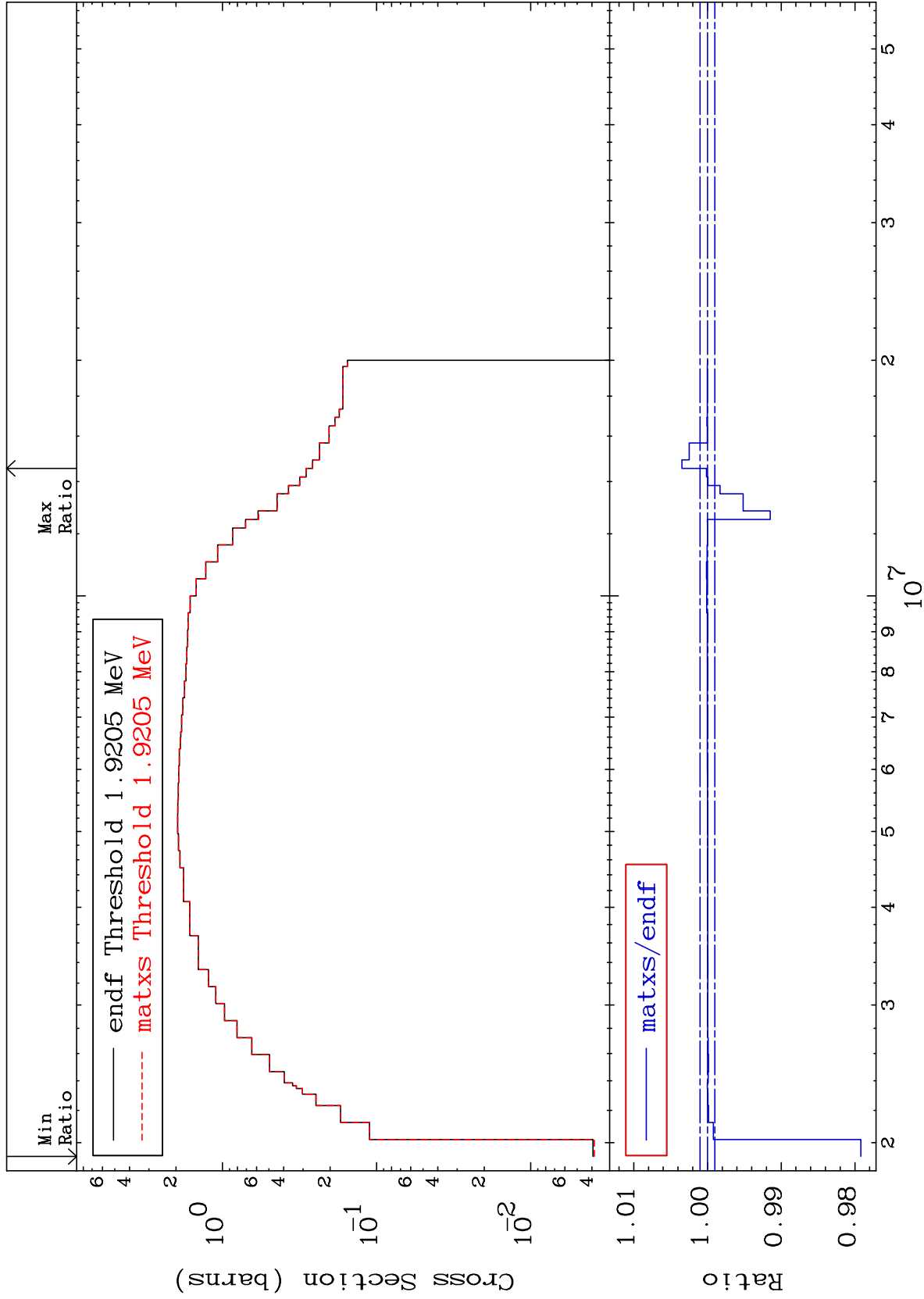
Incident Energy (eV)

48-Cd-112

MAT 4843

(n,n') Continuum
Cross Section

48-Cd-112
-2.080 To 0.346 %



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Incident Energy (eV)

48-Cd-112

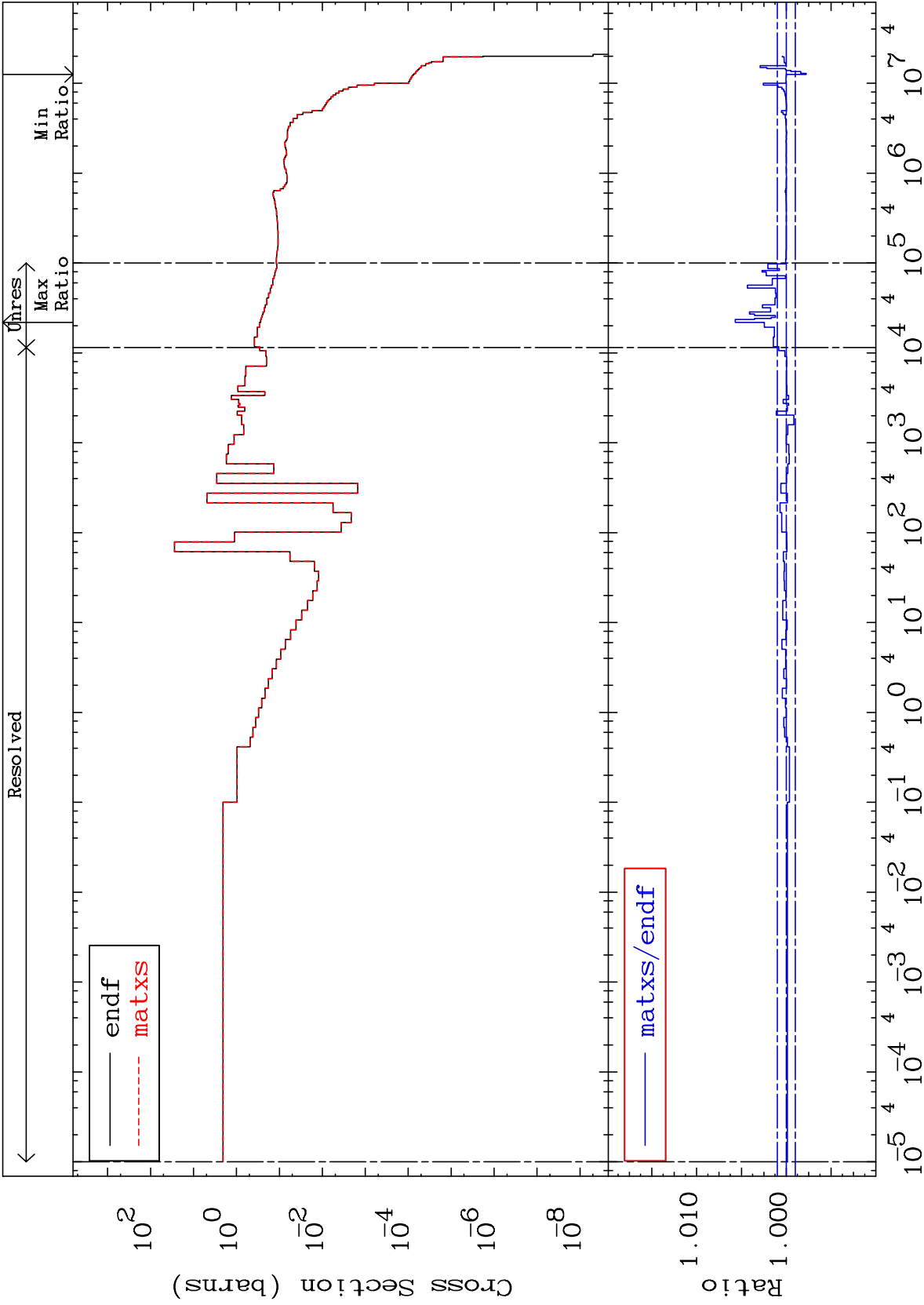
MAT 4843

(n, γ)

48-Cd-112

Cross Section

-0.222 To 0.568 %



MAT 4843

(n,p)

48-Cd-112

Cross Section

-1.098 To 0.815 %

Min Ratio

Max Ratio

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

Cross Section (barns)
 10^0
 10^{-2}
 10^{-4}
 10^{-6}
 10^{-8}
 10^{-10}
 10^{-12}
 10^{-14}
 10^{-16}

— matxs/endlf

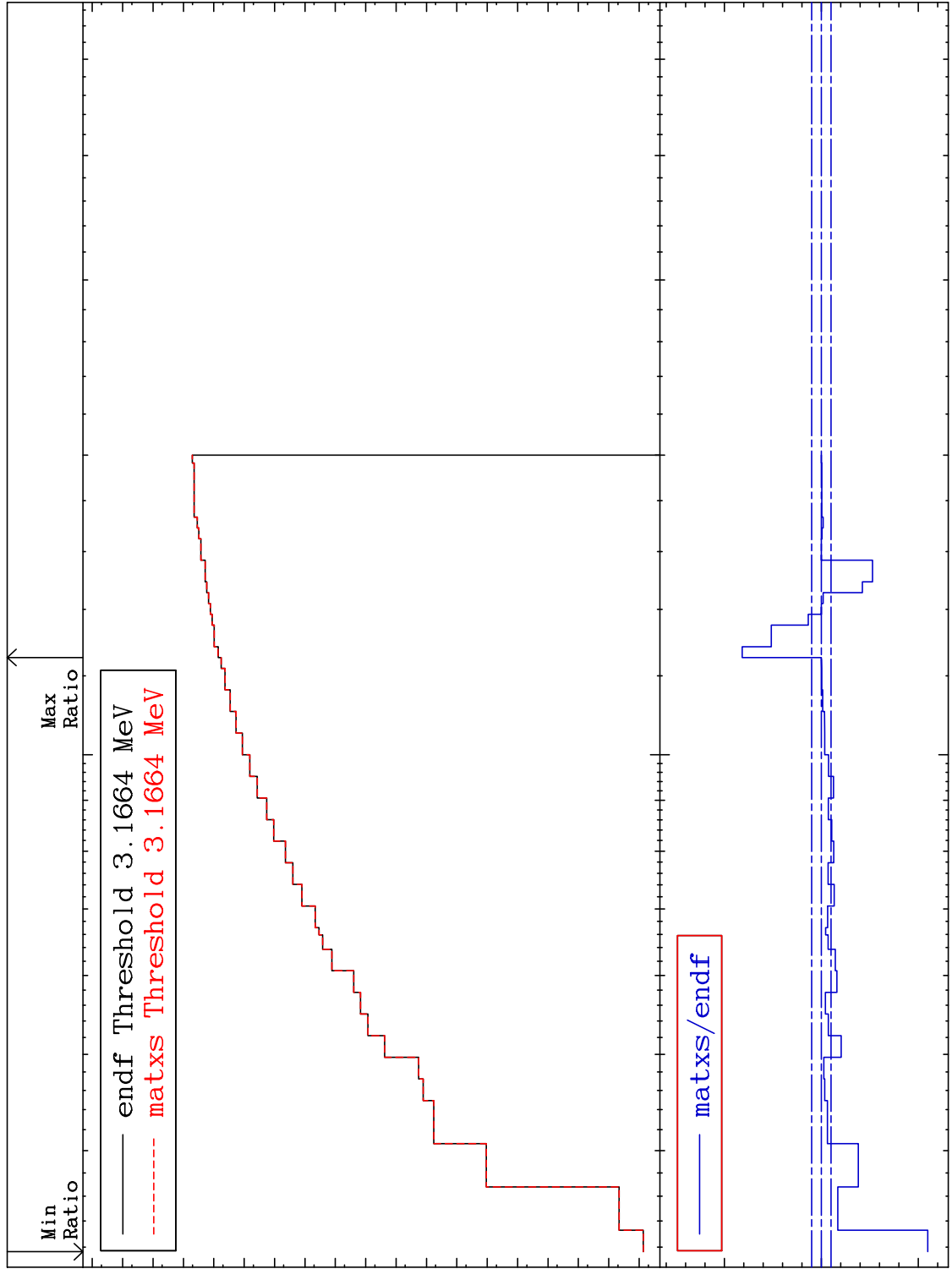
Ratio
1.01
1.00
0.99

10^7

17

Incident Energy (eV)

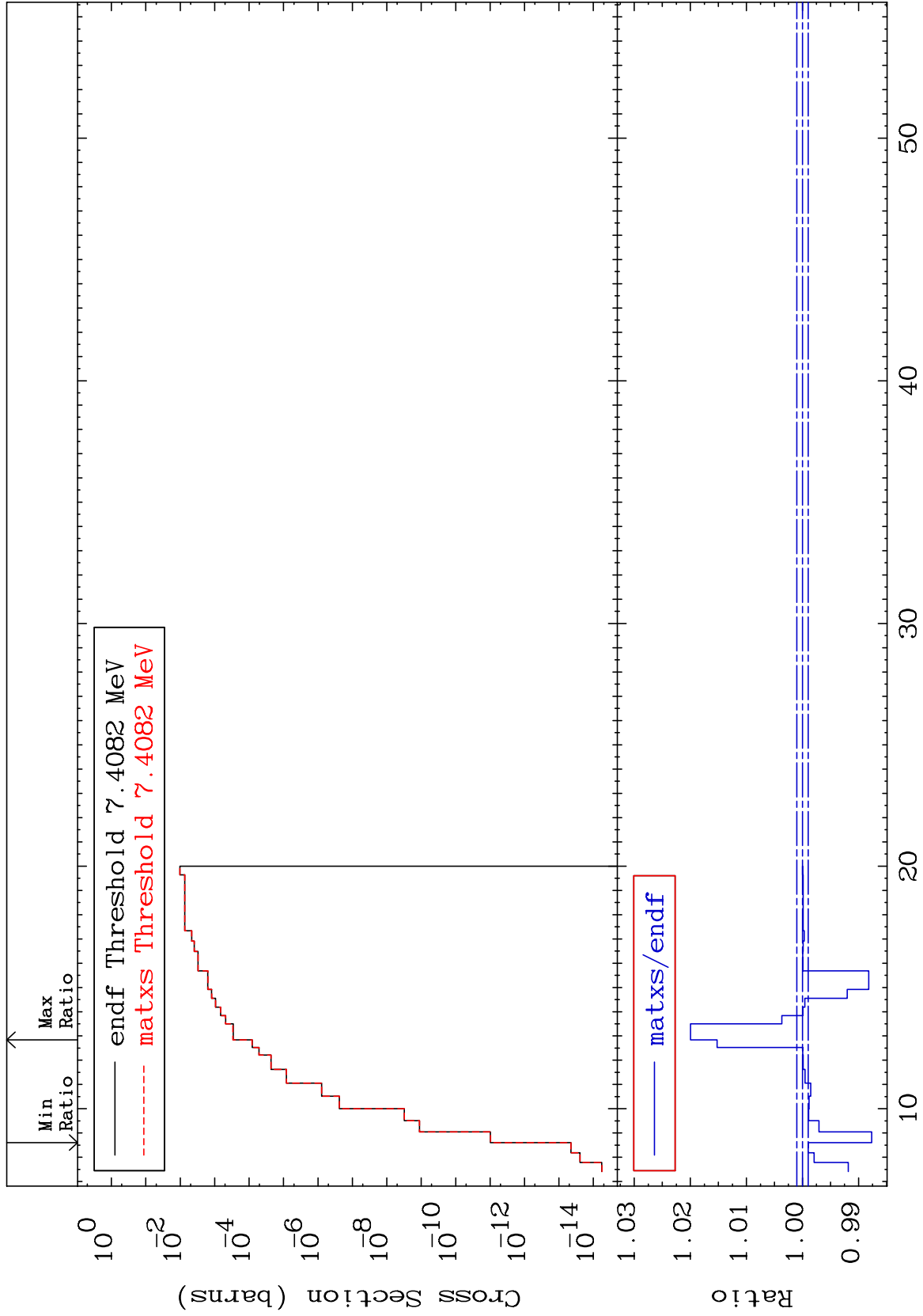
48-Cd-112



MAT 4843

(n,d)
Cross Section

48-Cd-112
-1.234 To 1.997 %



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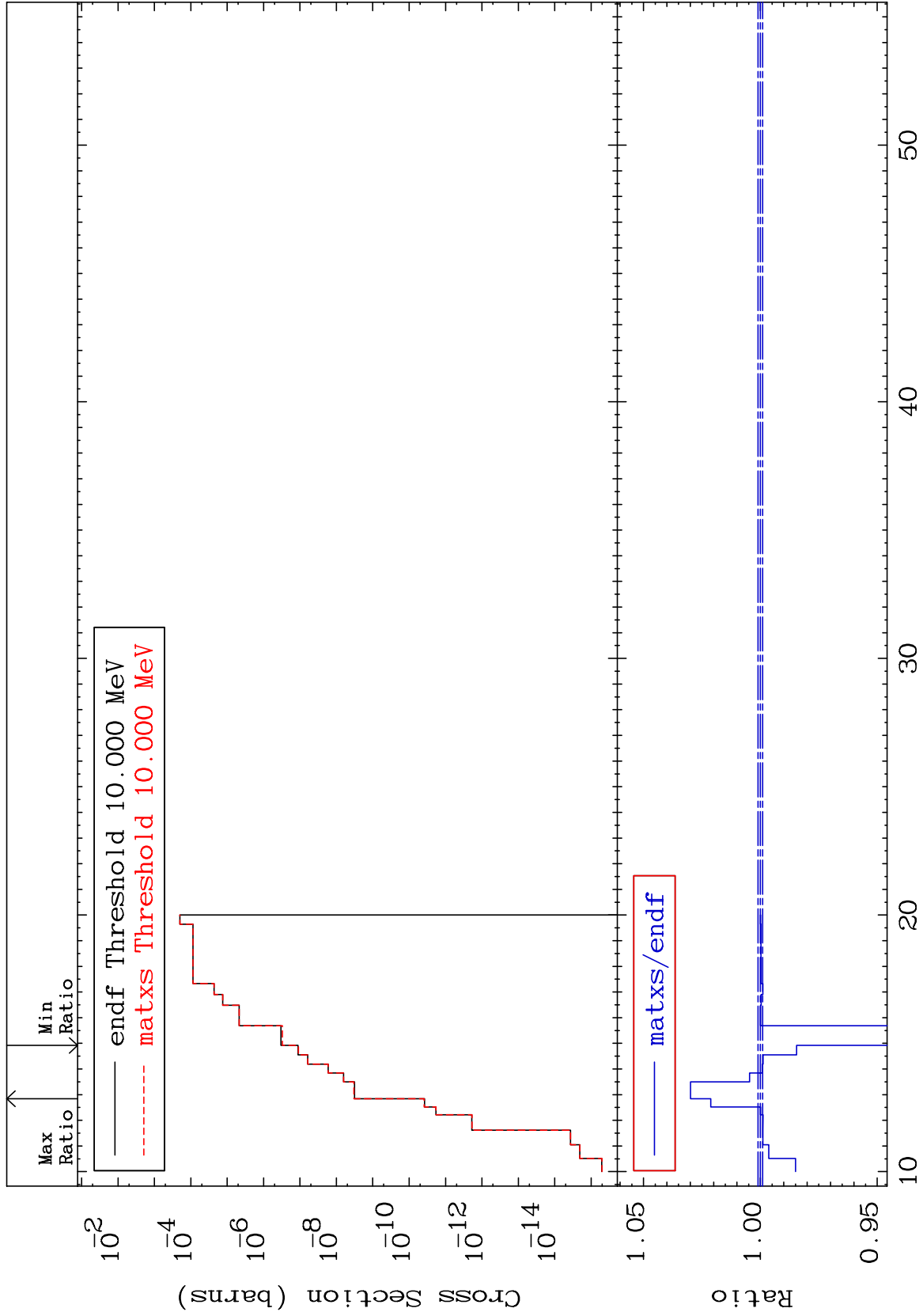
Incident Energy (MeV)

48-Cd-112

MAT 4843

(n, t)
Cross Section

48-Cd-112
-8.676 To 2.987 %



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Incident Energy (MeV)

48-Cd-112

MAT 4843

(n, α)

48-Cd-112

Cross Section

-51.90 To 0.788 %

