

Program Complot
(Version 2015-2)

by

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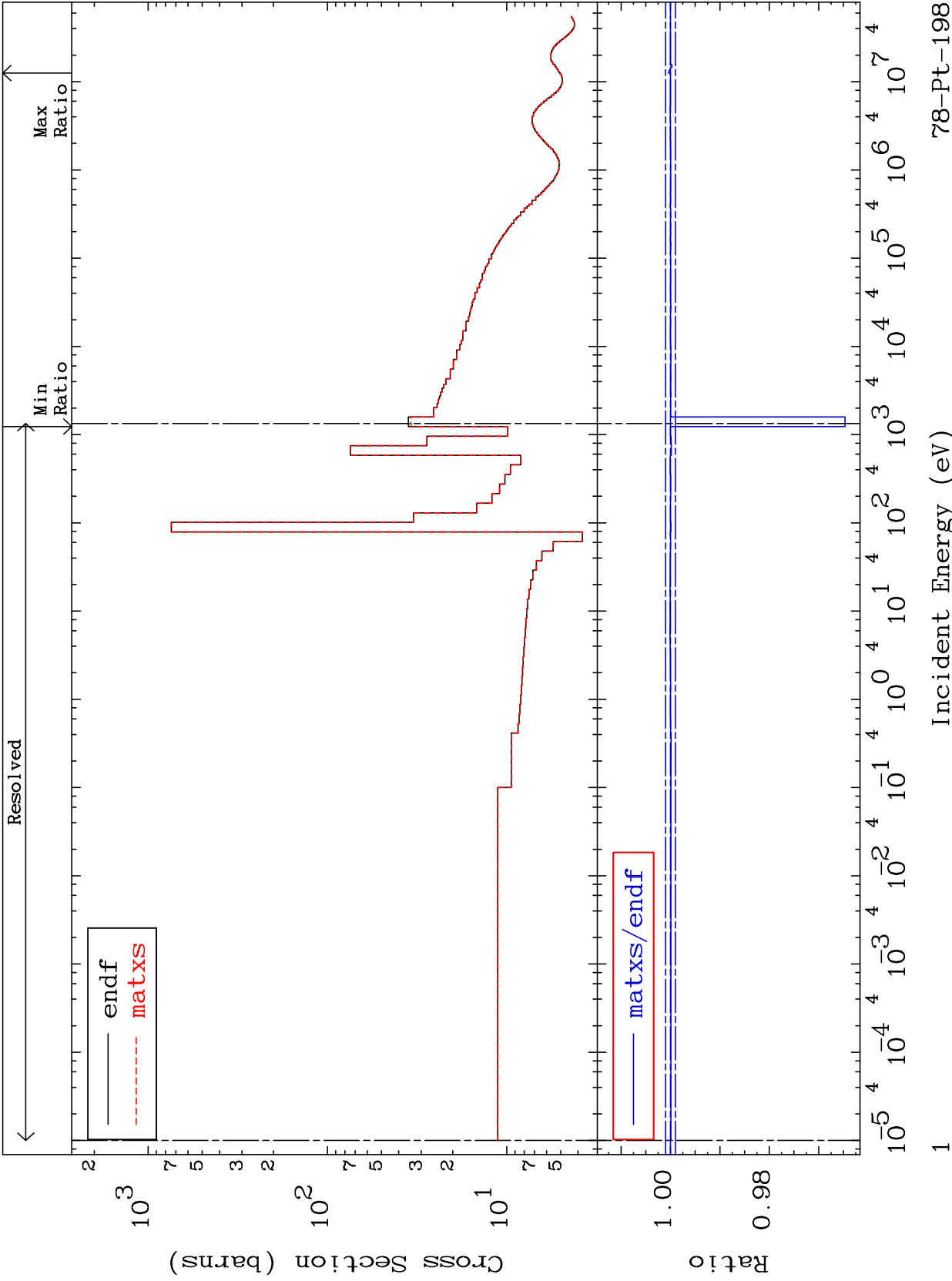
Web: home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 7849

Total
Cross Section

78-Pt-198
-3.533 To 0.037 %

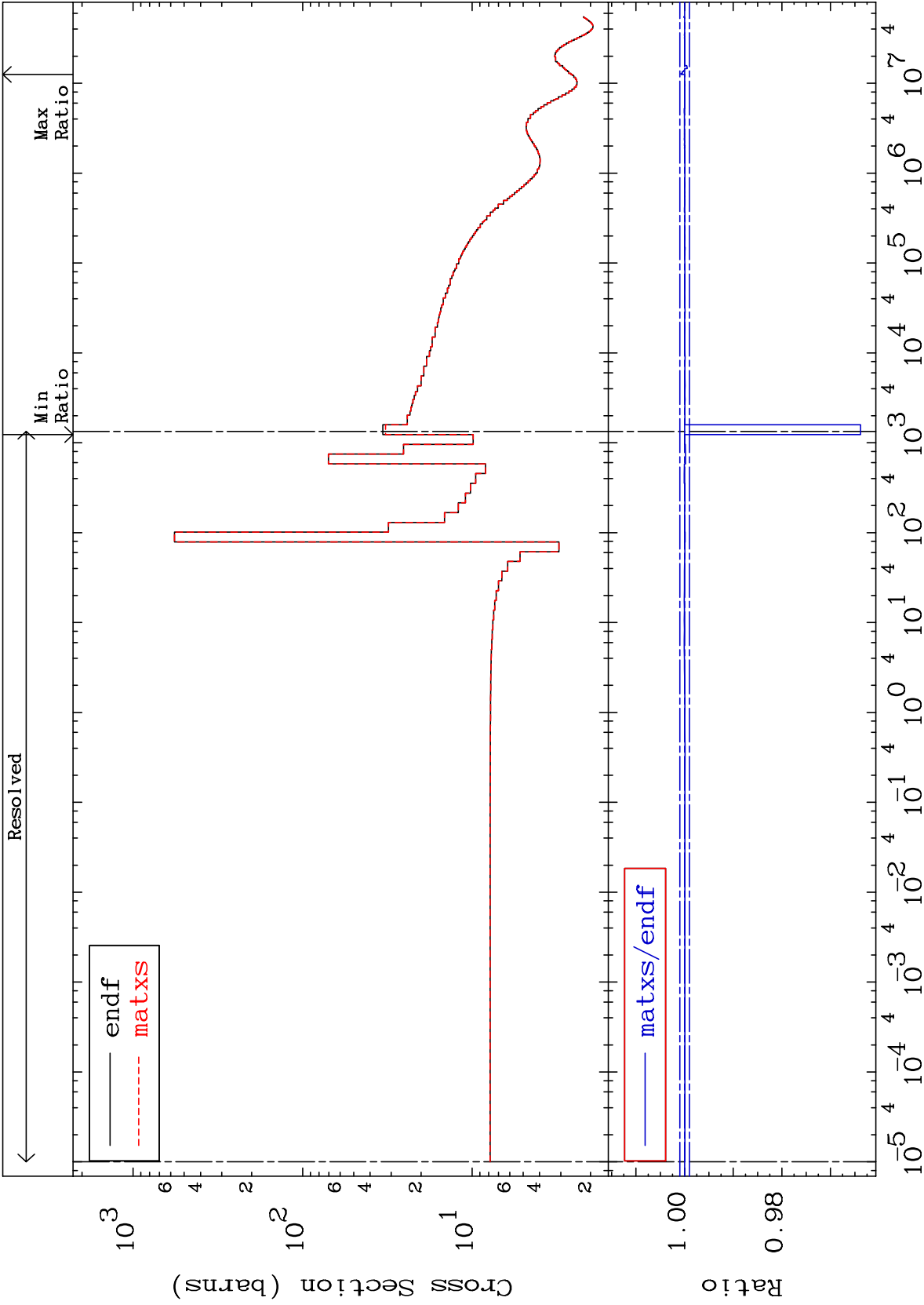


78-Pt-198

MAT 7849

Elastic
Cross Section

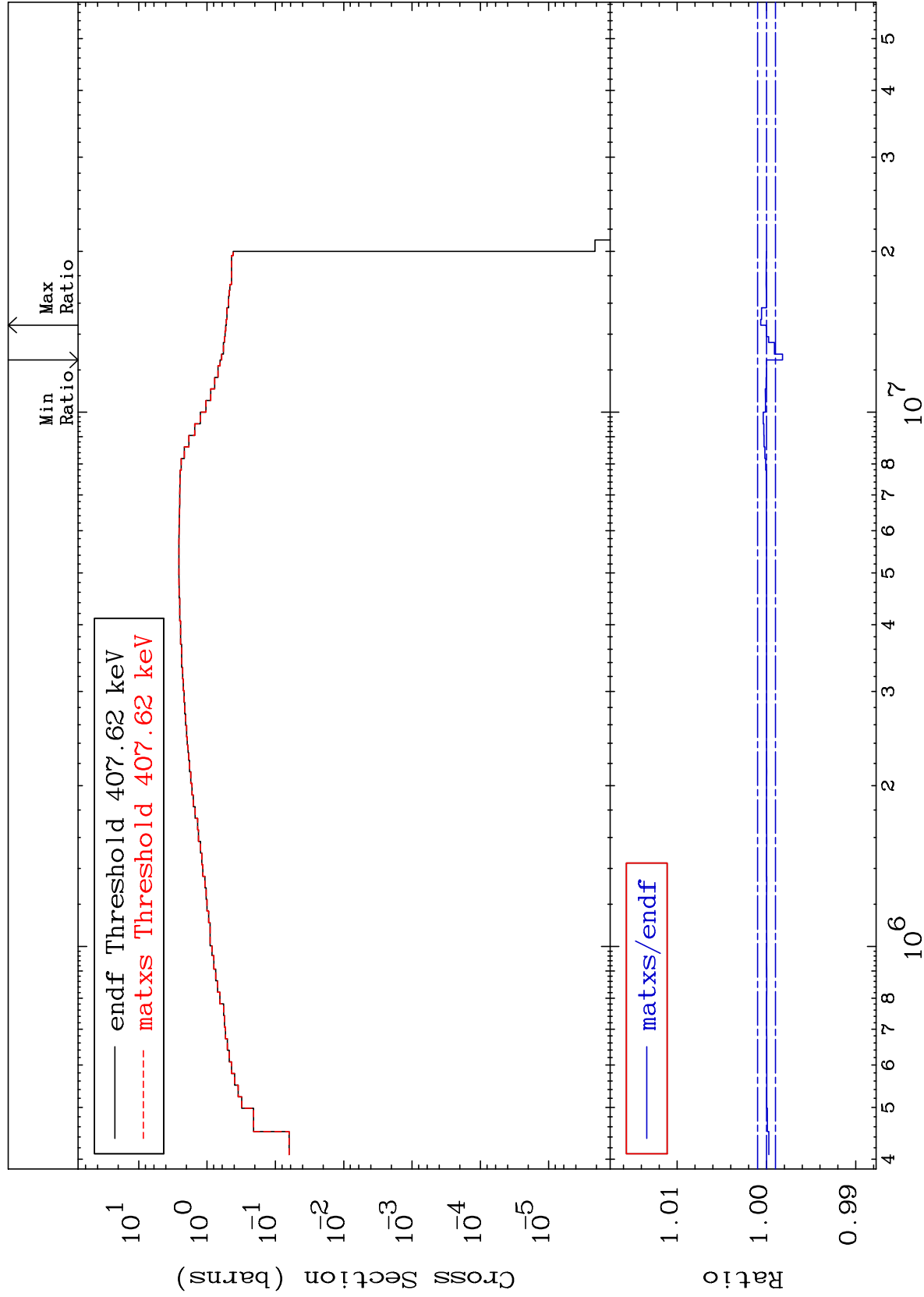
78-Pt-198
-3.618 To 0.076 %



MAT 7849

Inelastic
Cross Section

78-Pt-198
-0.181 To 0.065 %



3

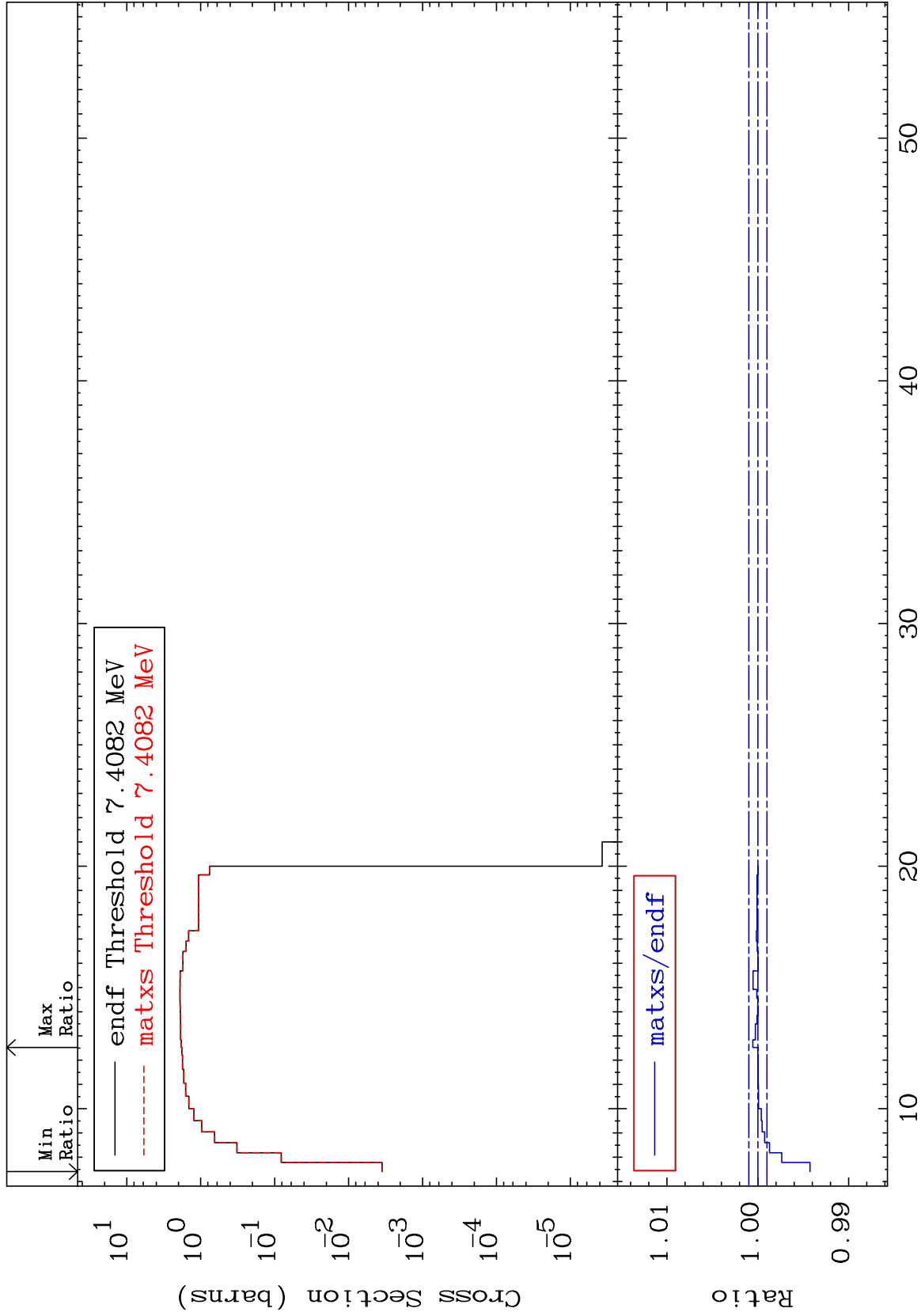
Incident Energy (eV)

78-Pt-198

MAT 7849

(n,2n)
Cross Section

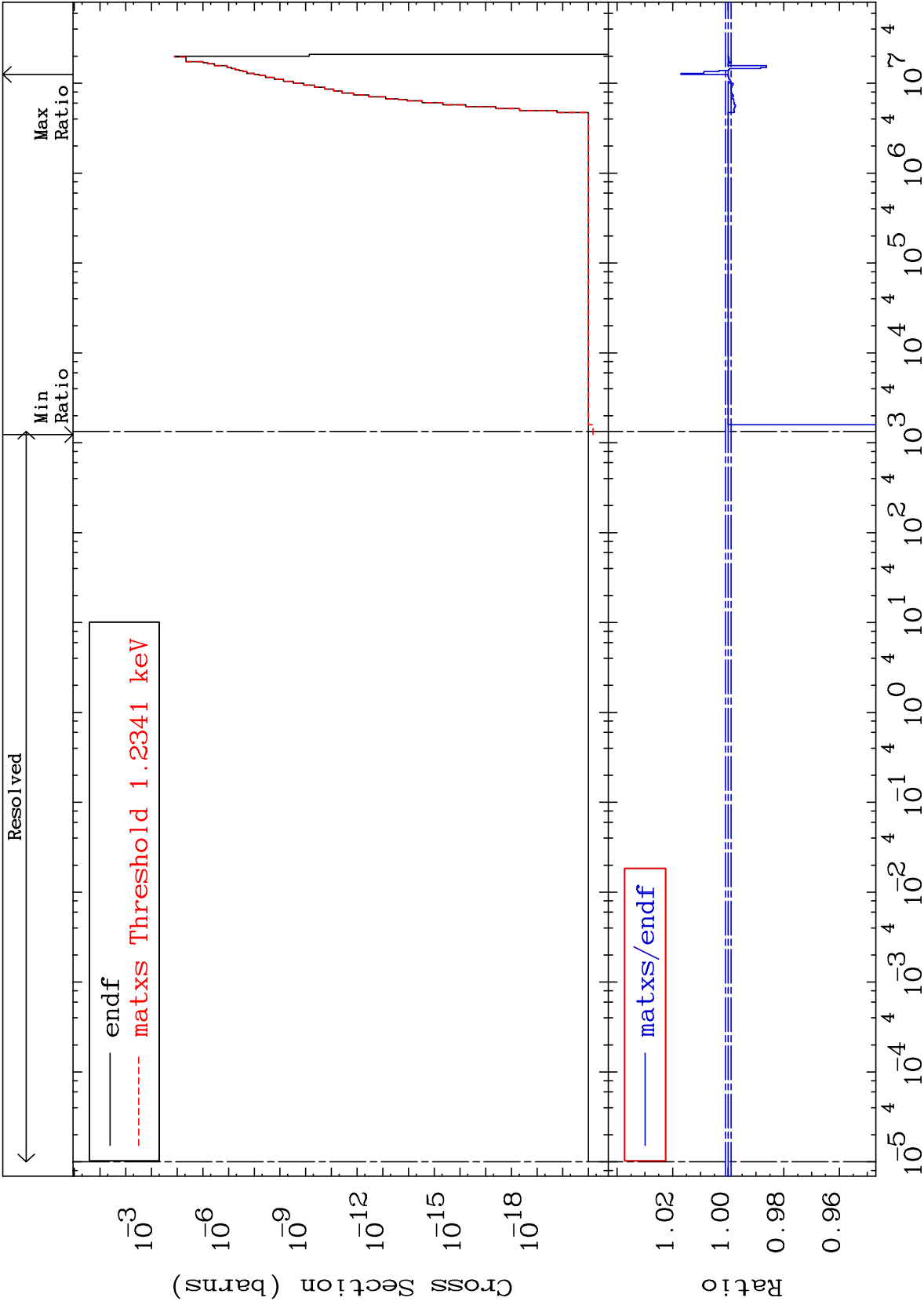
78-Pt-198
-0.575 To 0.054 %



MAT 7849

(n, n') α
Cross Section

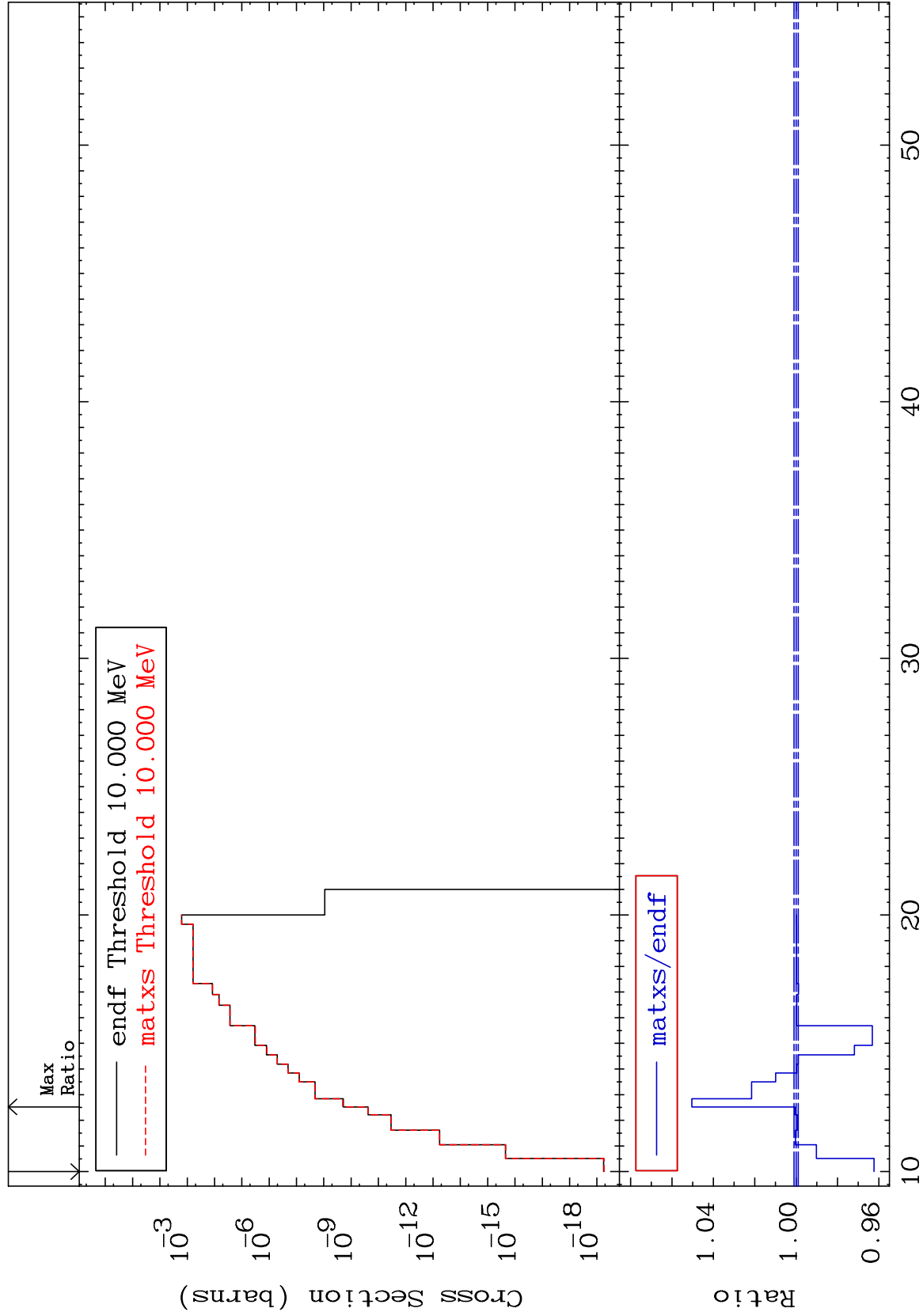
78-Pt-198
-32.93 To 1.703 %



MAT 7849

(n, n') p
Cross Section

⁷⁸Pt-198
-3.767 To 5.038 %



6

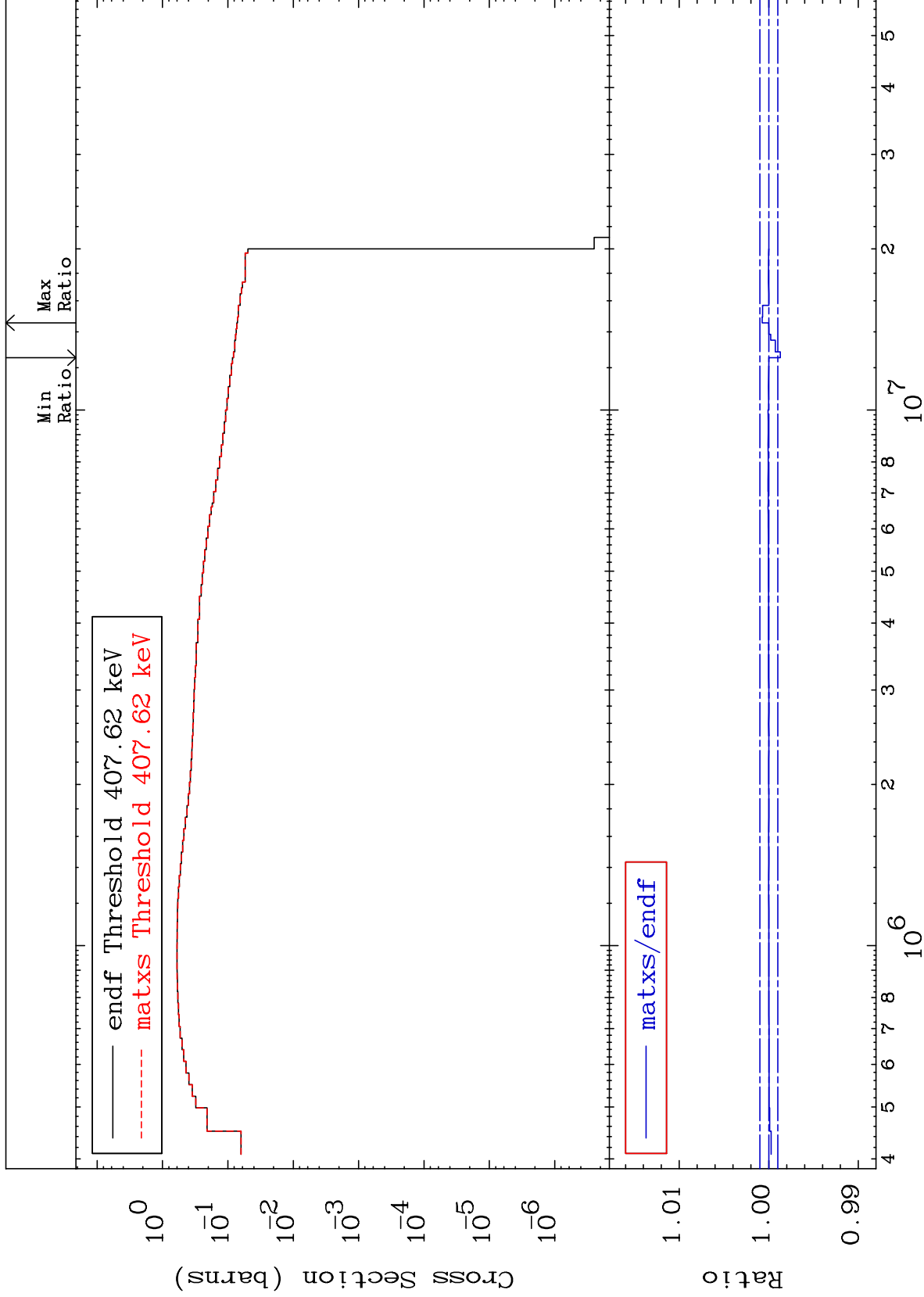
Incident Energy (MeV)

⁷⁸Pt-198

MAT 7849

407.2 keV (n,n') Level
Cross Section

78-Pt-198
-0.129 To 0.074 %



7

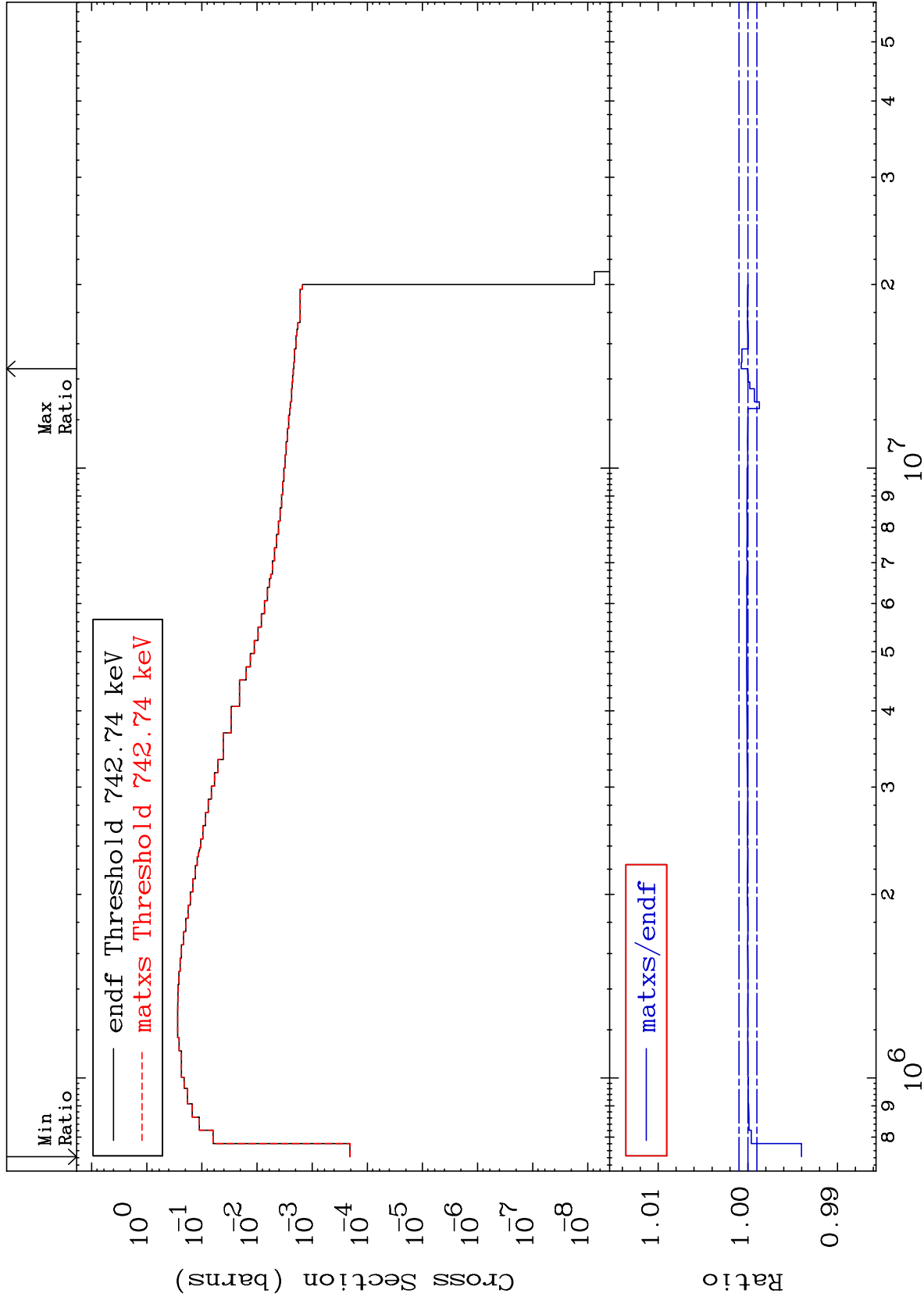
Incident Energy (eV)

78-Pt-198

MAT 7849

774.7 keV (n,n') Level
Cross Section

78-Pt-198
-0.598 To 0.073 %



8

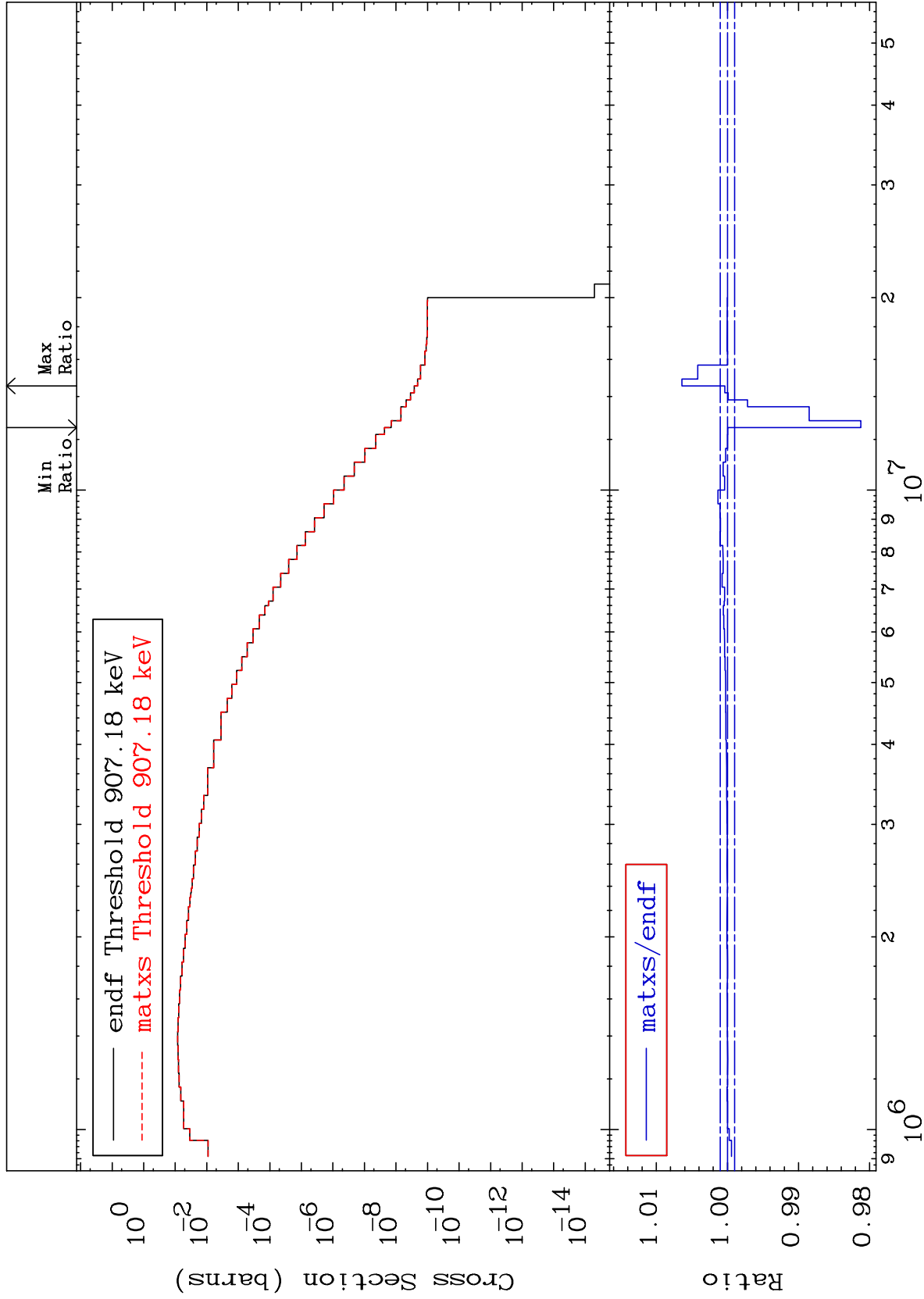
Incident Energy (eV)

78-Pt-198

MAT 7849

914.5 keV (n,n') Level
Cross Section

78-Pt-198
-1.876 To 0.639 %

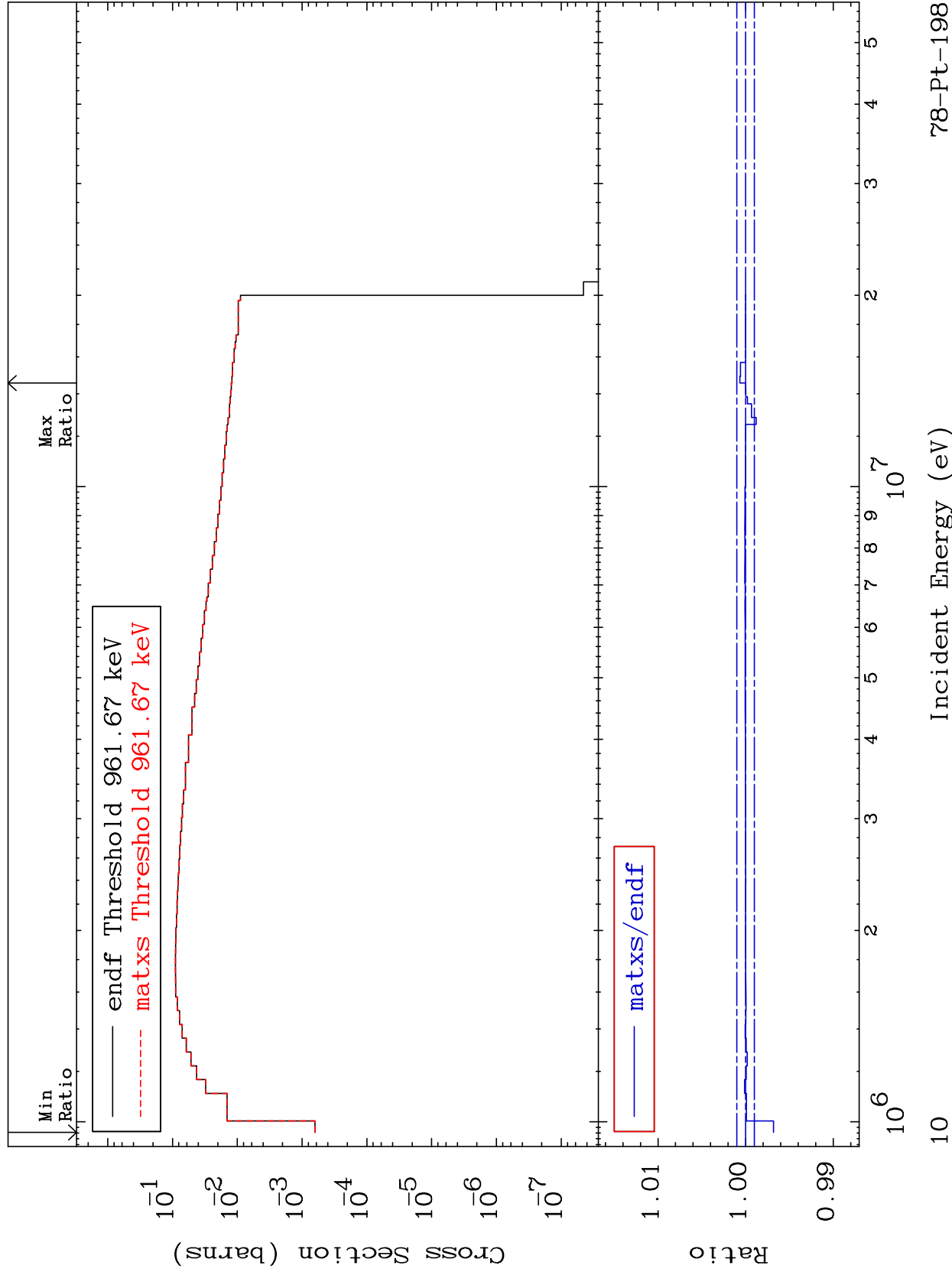


78-Pt-198

MAT 7849

985.1 keV (n,n') Level
Cross Section

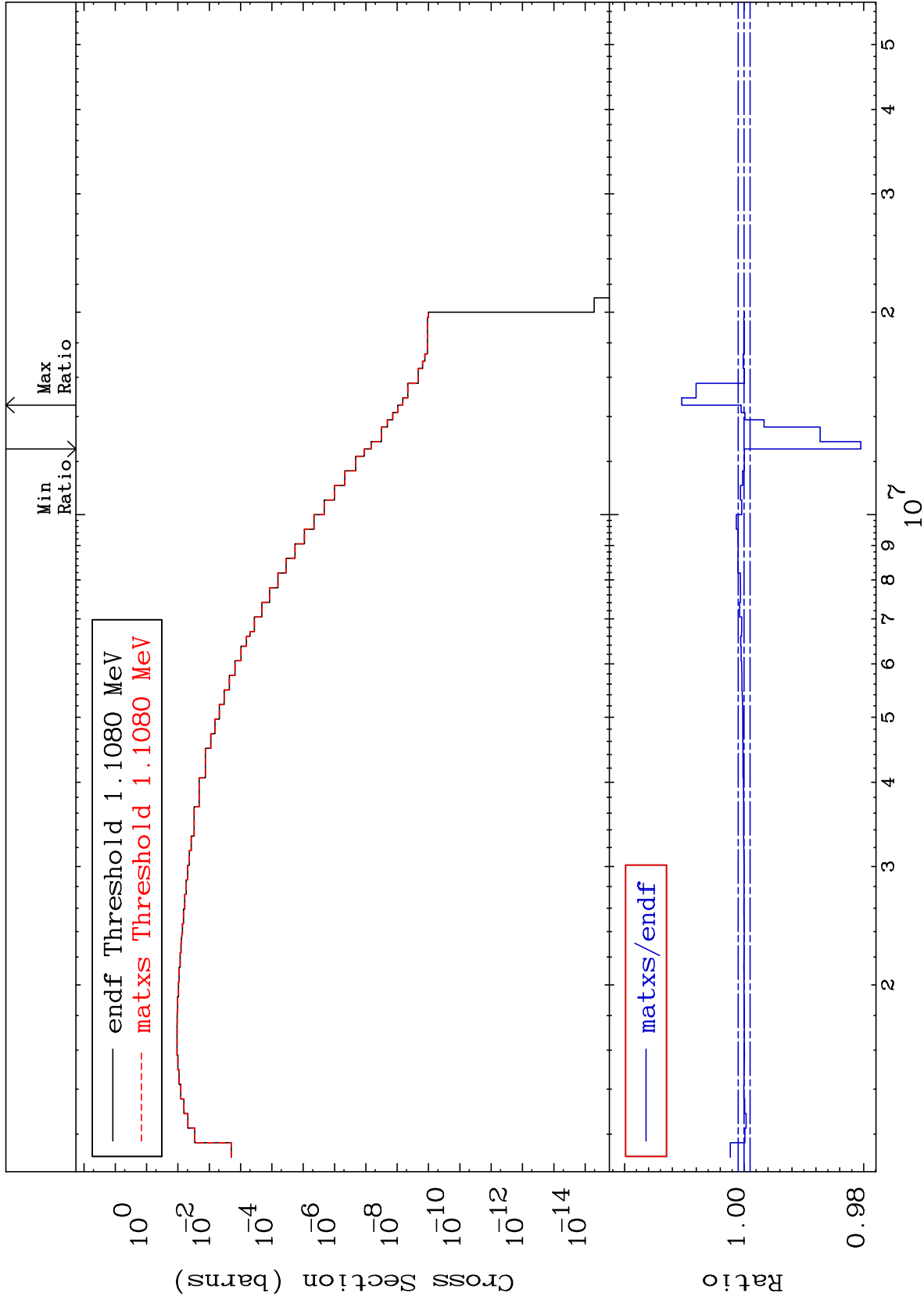
78-Pt-198
-0.319 To 0.067 %



MAT 7849

1.140 MeV (n,n') Level
Cross Section

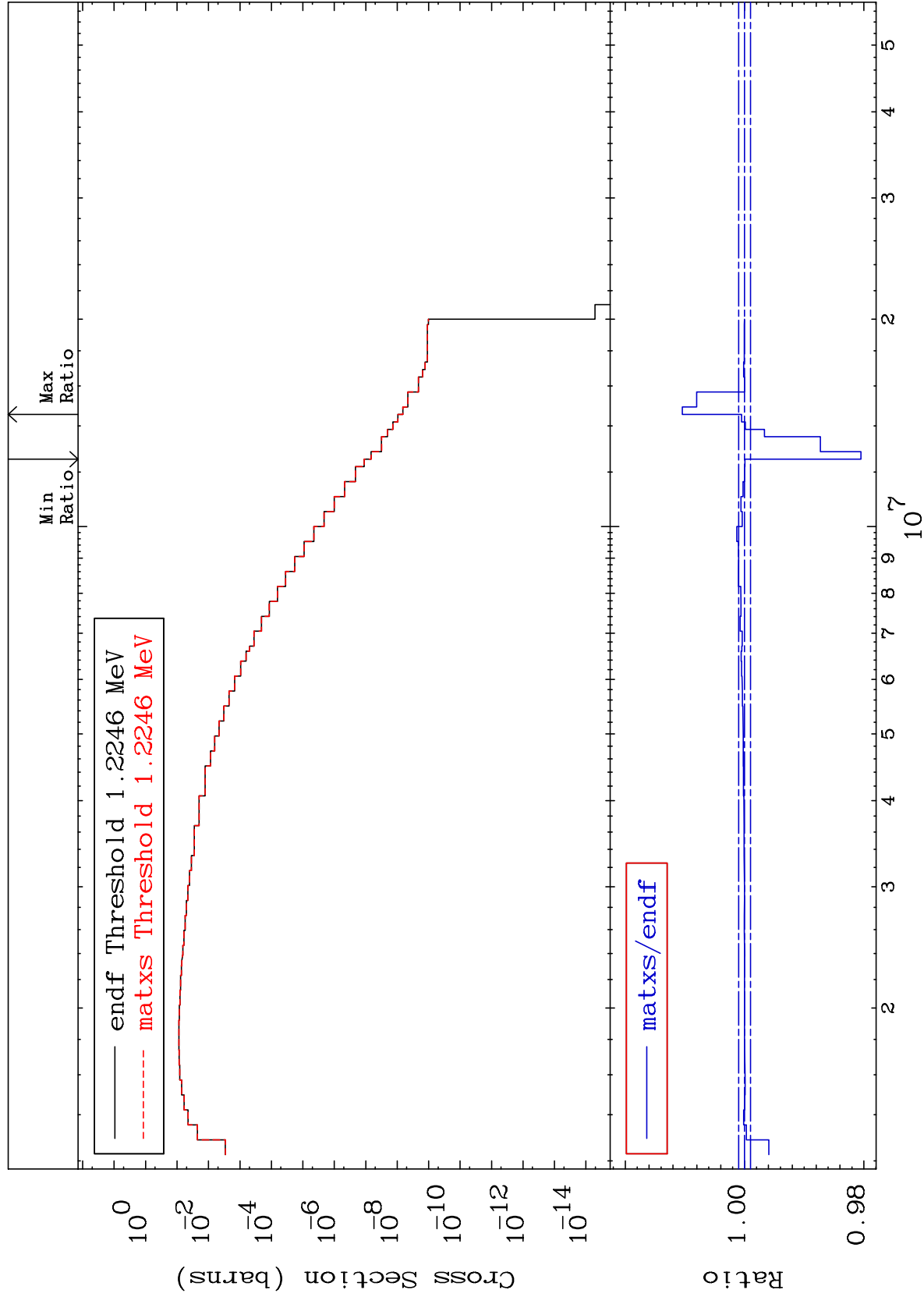
78-Pt-198
-1.952 To 1.043 %



MAT 7849

1.248 MeV (n,n') Level
Cross Section

78-Pt-198
-1.951 To 1.043 %



12

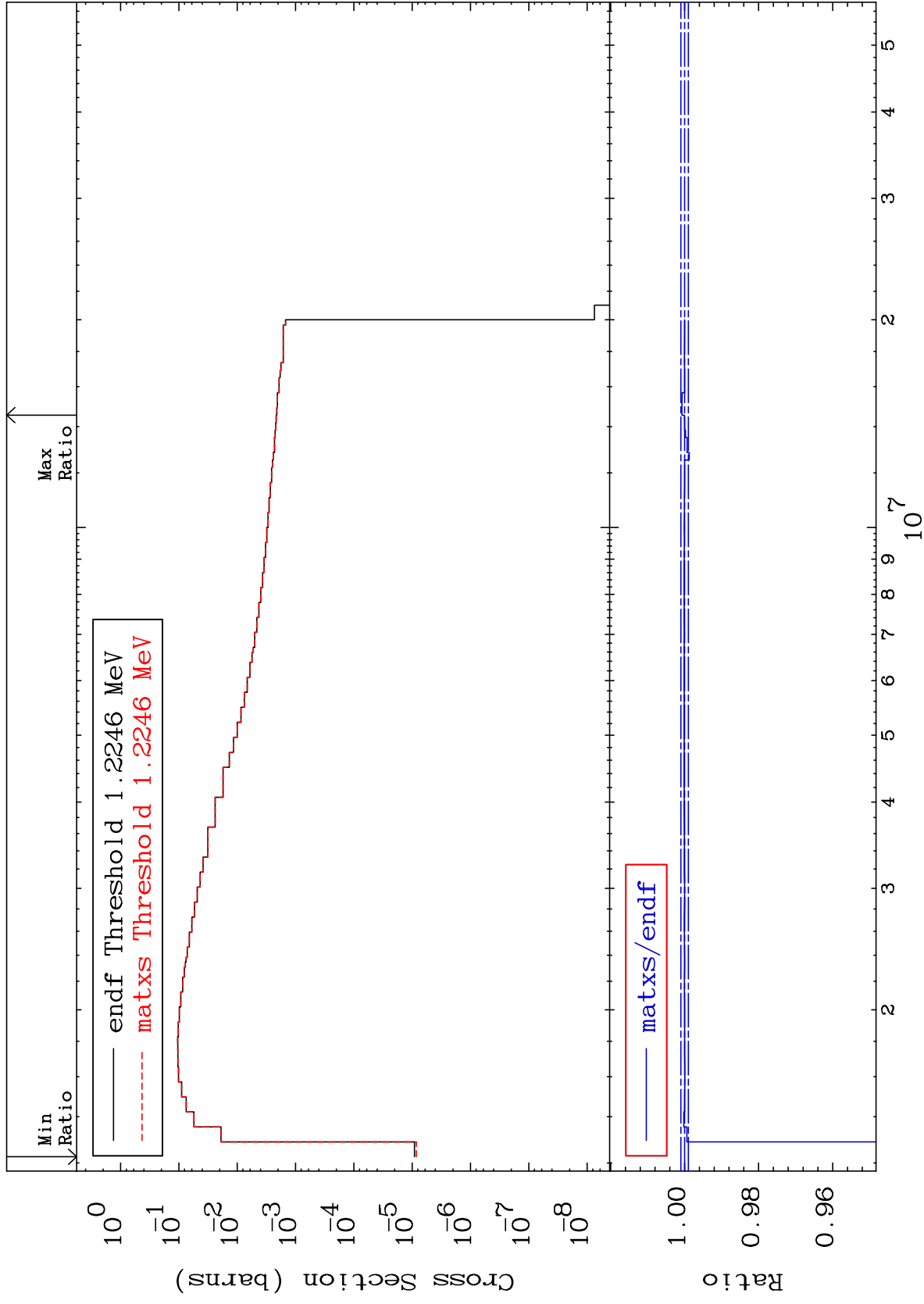
Incident Energy (eV)

78-Pt-198

MAT 7849

1.279 MeV (n,n') Level
Cross Section

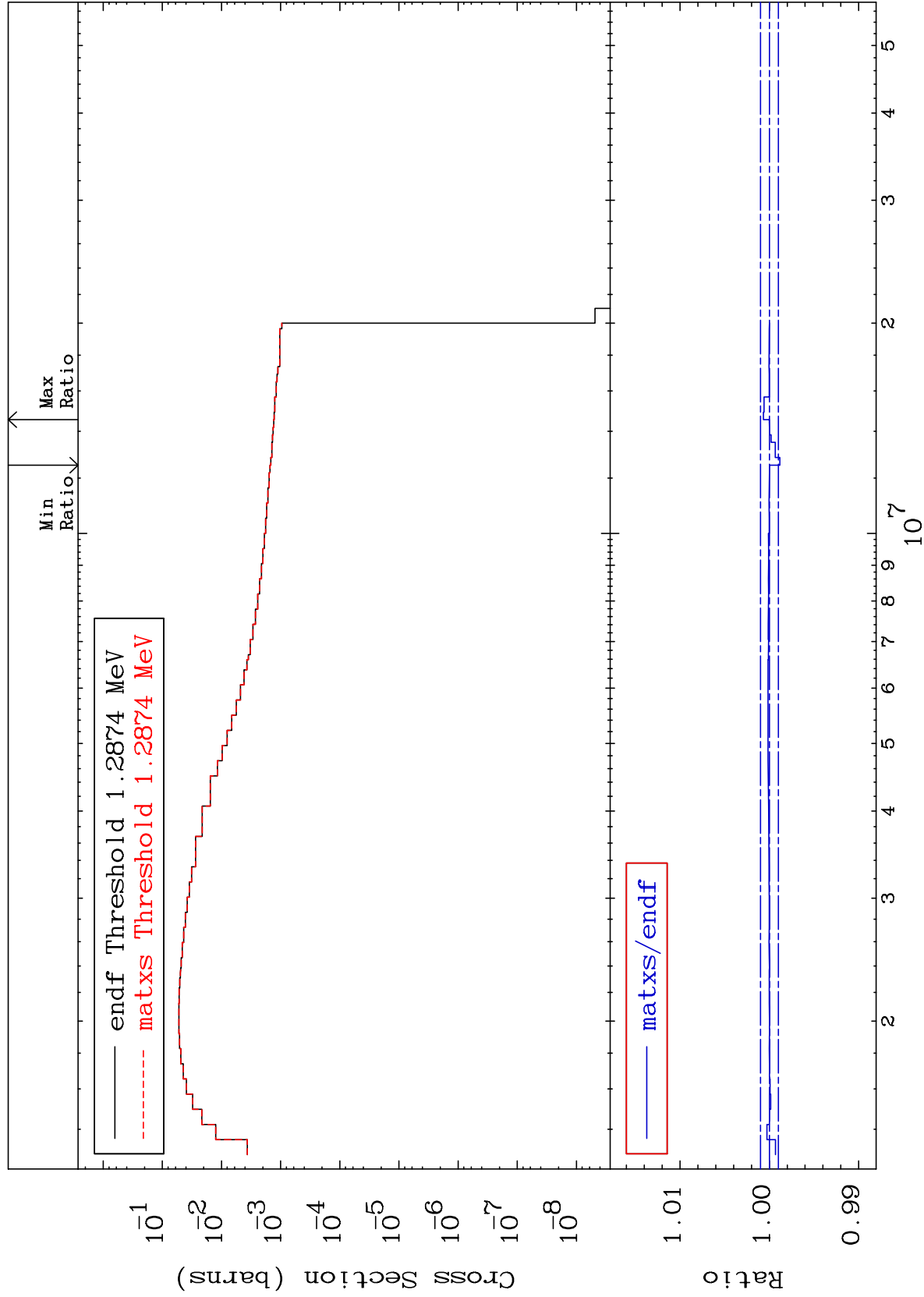
78-Pt-198
-7.236 To 0.072 %



MAT 7849

1.286 MeV (n,n') Level
Cross Section

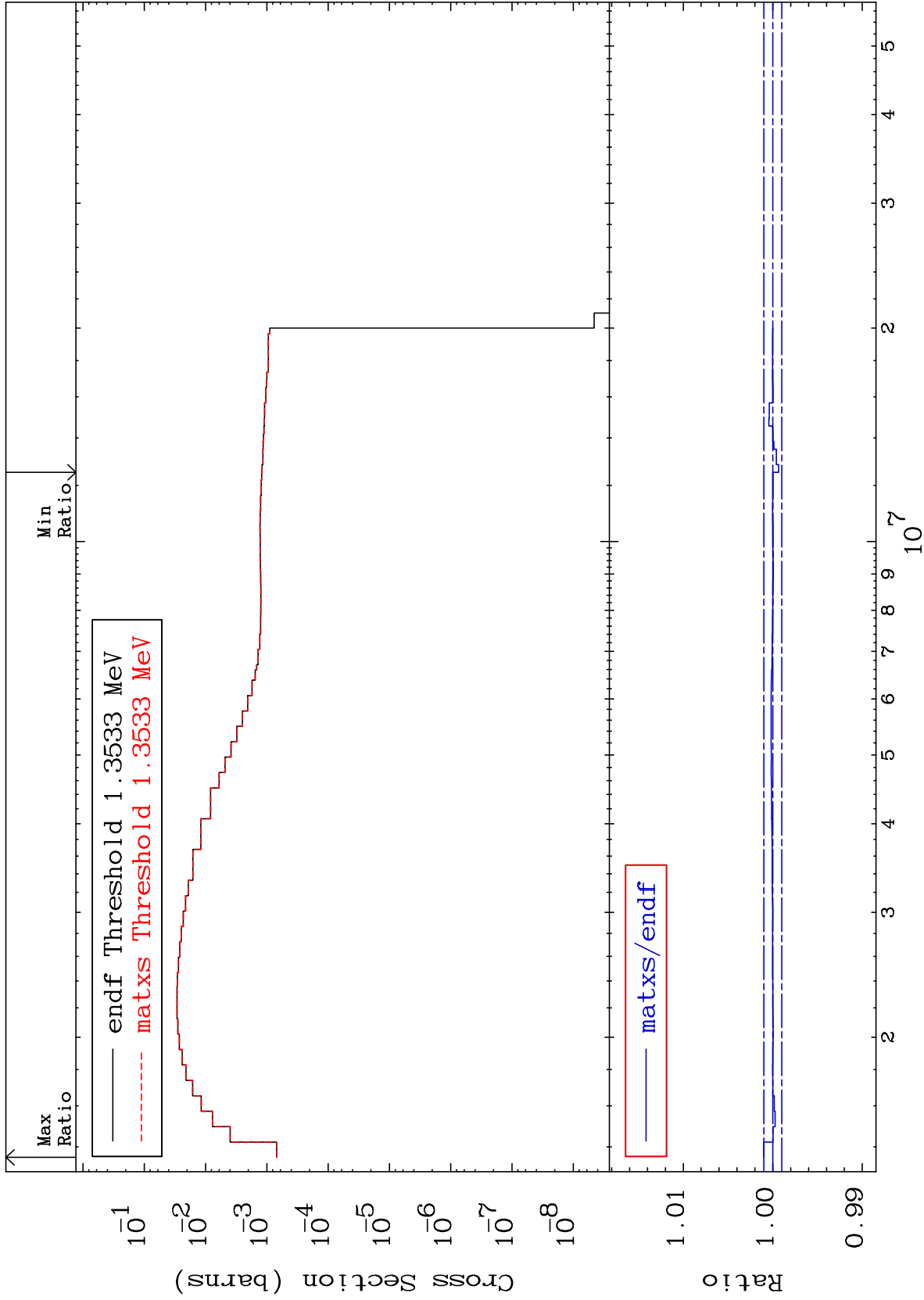
78-Pt-198
-0.117 To 0.066 %



MAT 7849

1.367 MeV (n,n') Level
Cross Section

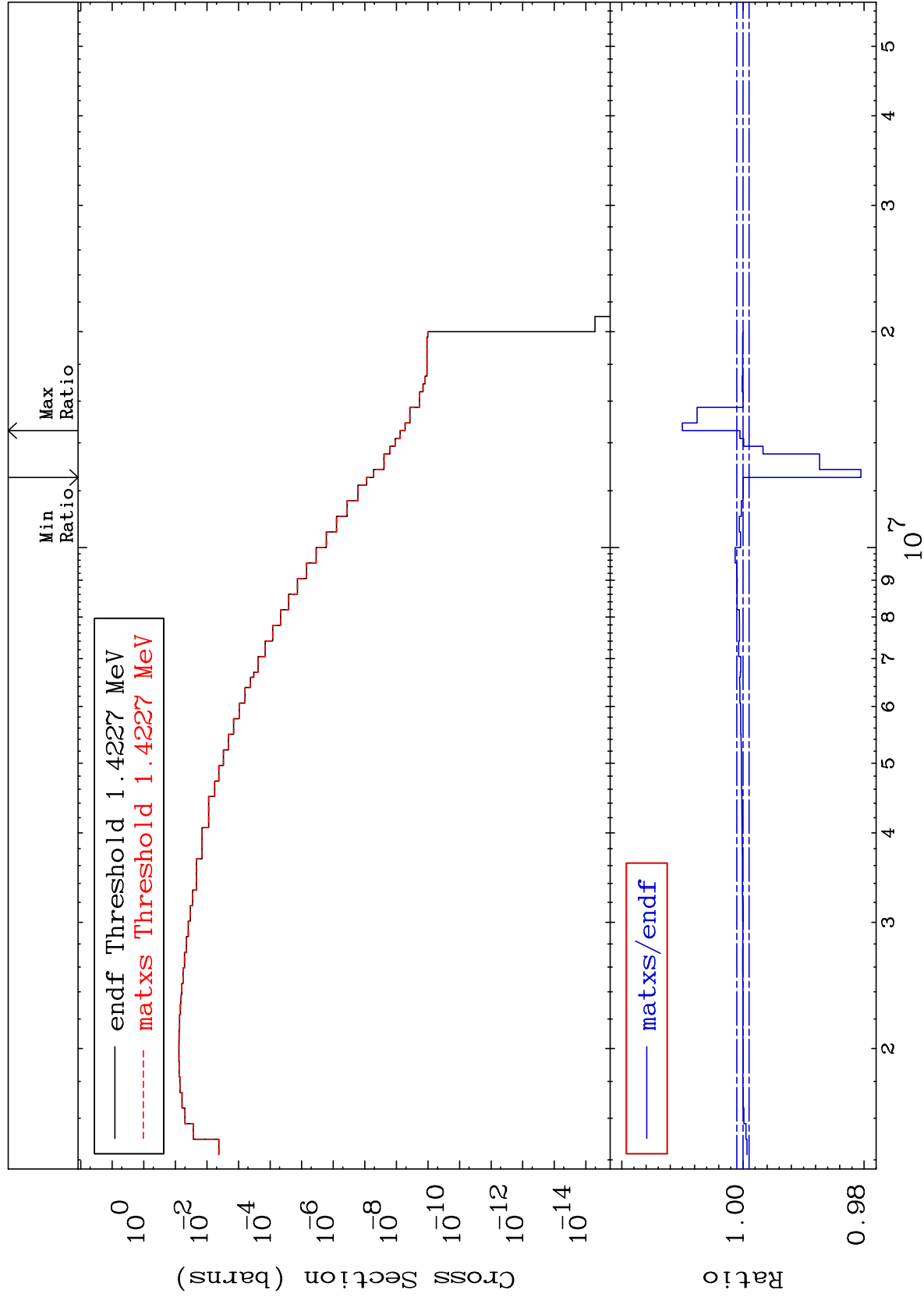
78-Pt-198
-0.066 To 0.100 %



MAT 7849

1.445 MeV (n,n') Level
Cross Section

78-Pt-198
-1.949 To 1.000 %



16

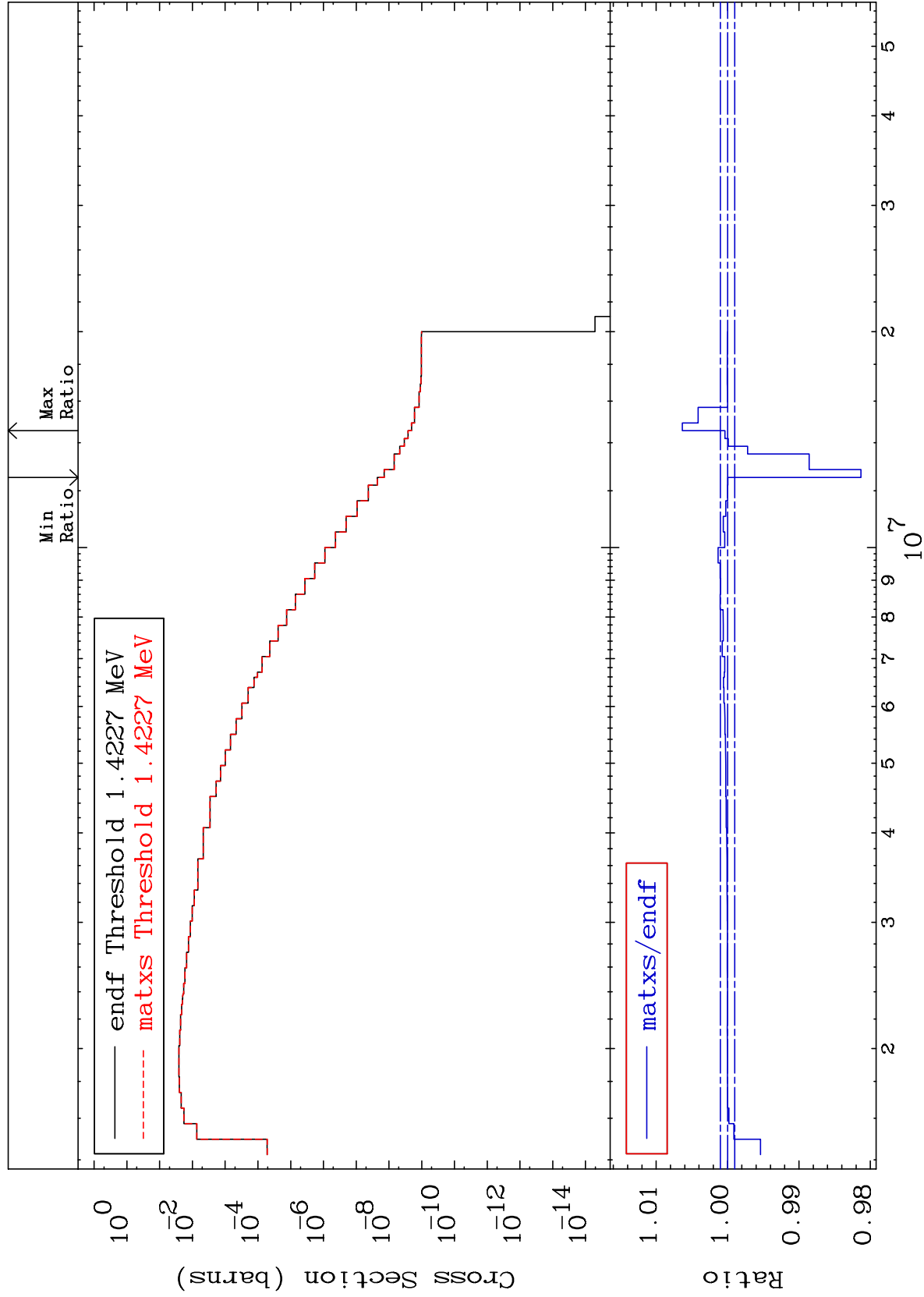
Incident Energy (eV)

78-Pt-198

MAT 7849

1.481 MeV (n,n') Level
Cross Section

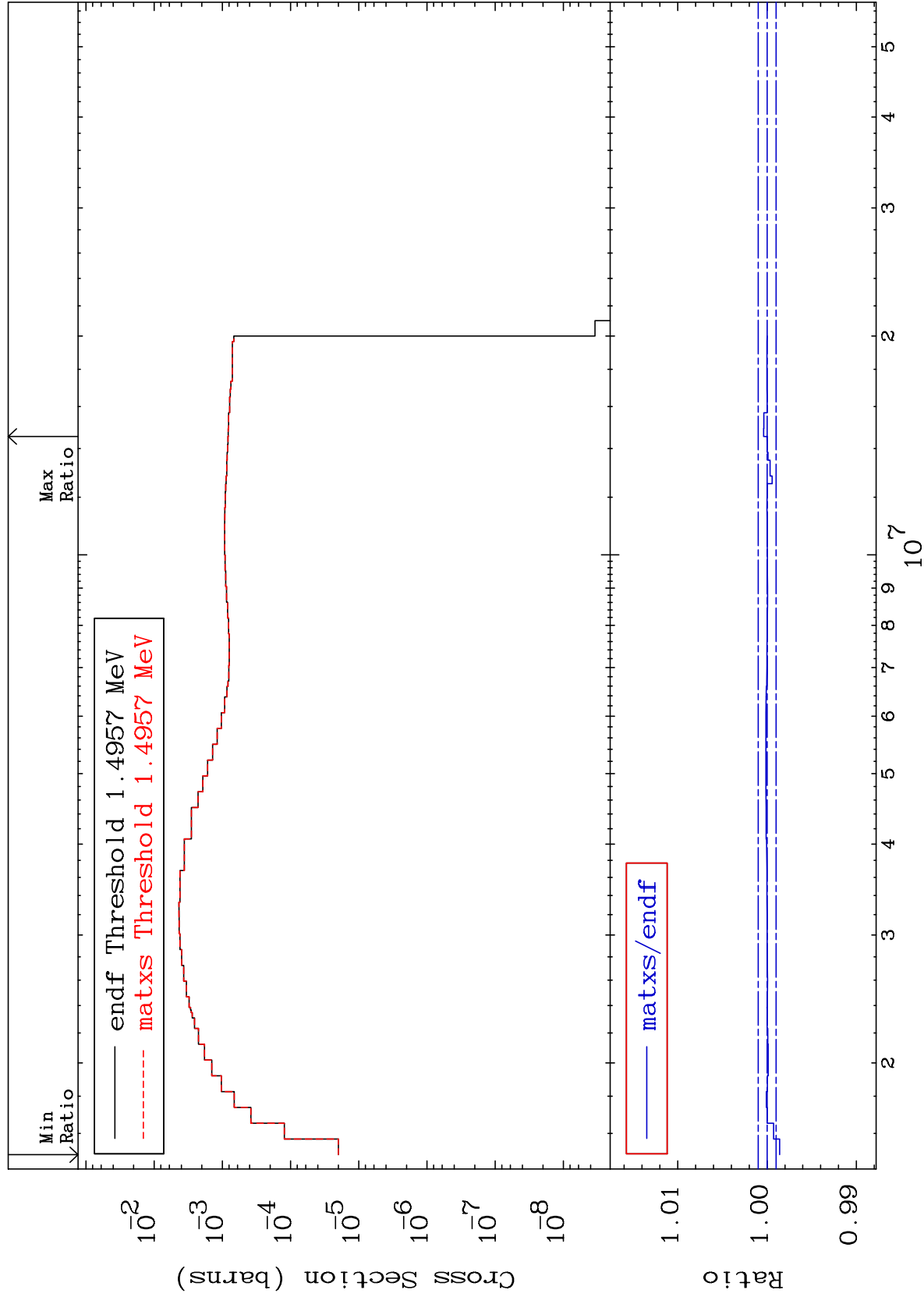
78-Pt-198
-1.868 To 0.633 %



MAT 7849

1.502 MeV (n,n') Level
Cross Section

78-Pt-198
-0.141 To 0.039 %



18

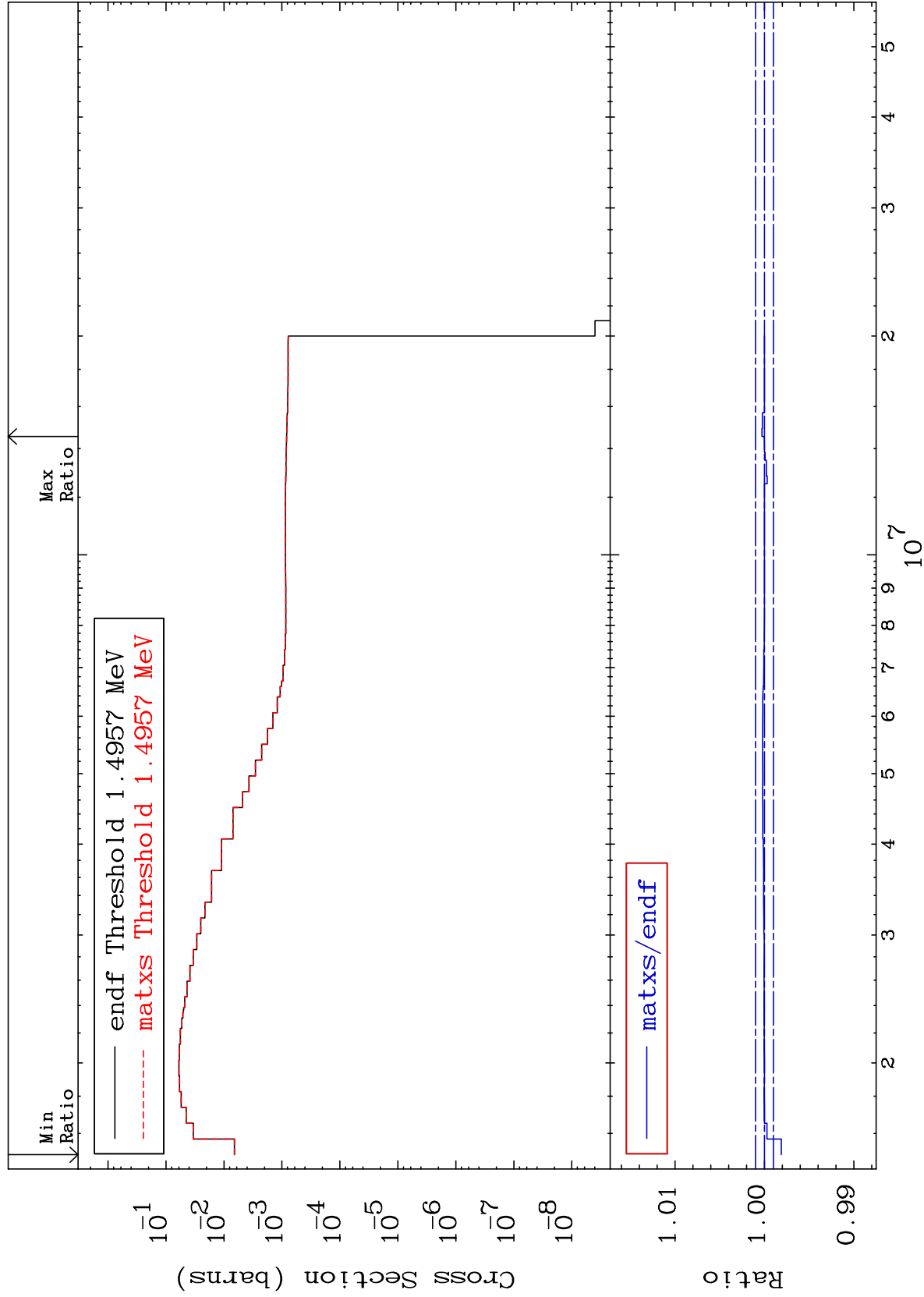
Incident Energy (eV)

78-Pt-198

MAT 7849

1.517 MeV (n,n') Level
Cross Section

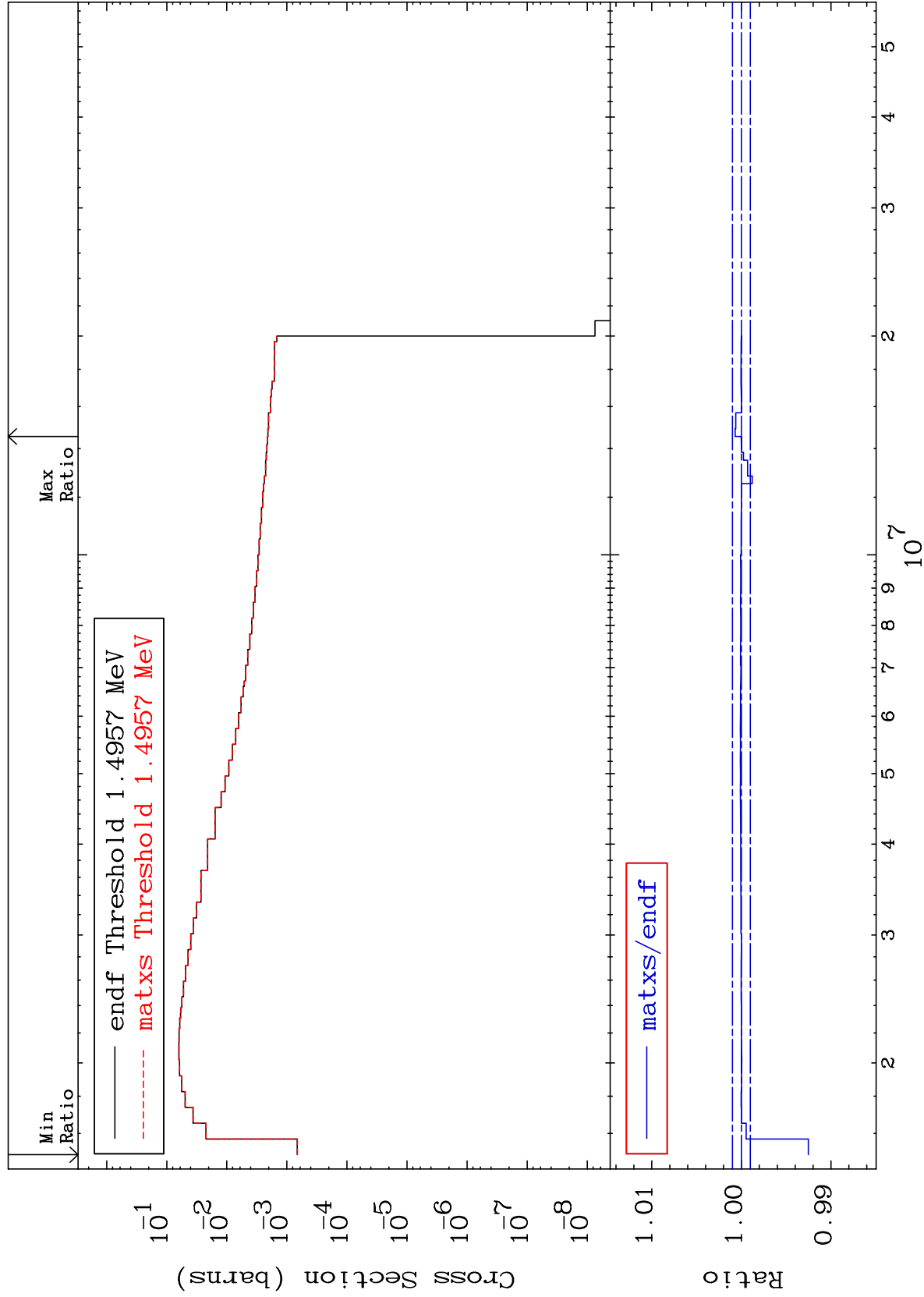
78-Pt-198
-0.190 To 0.028 %



MAT 7849

1.550 MeV (n,n') Level
Cross Section

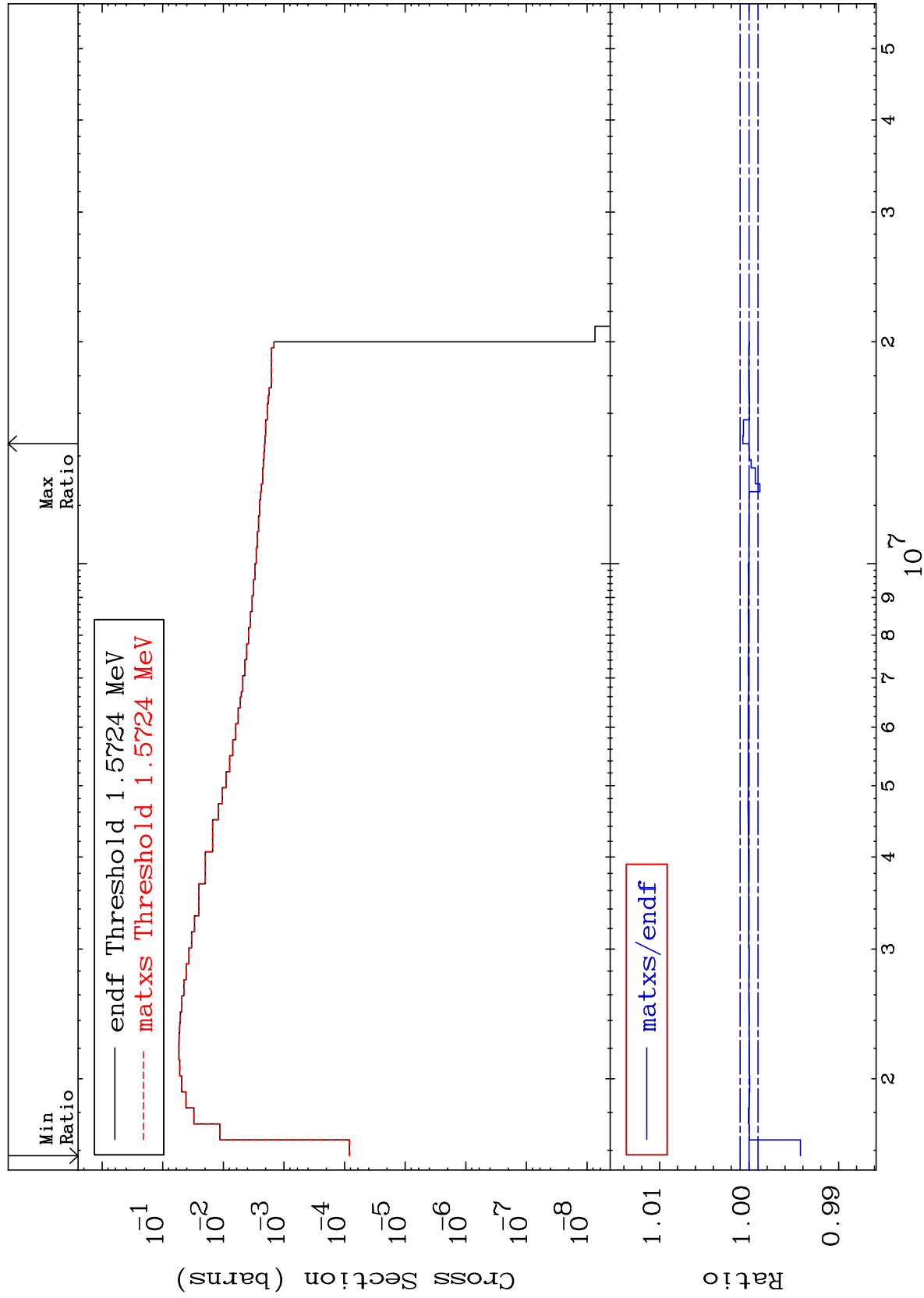
78-Pt-198
-0.746 To 0.071 %



MAT 7849

1.637 MeV (n,n') Level
Cross Section

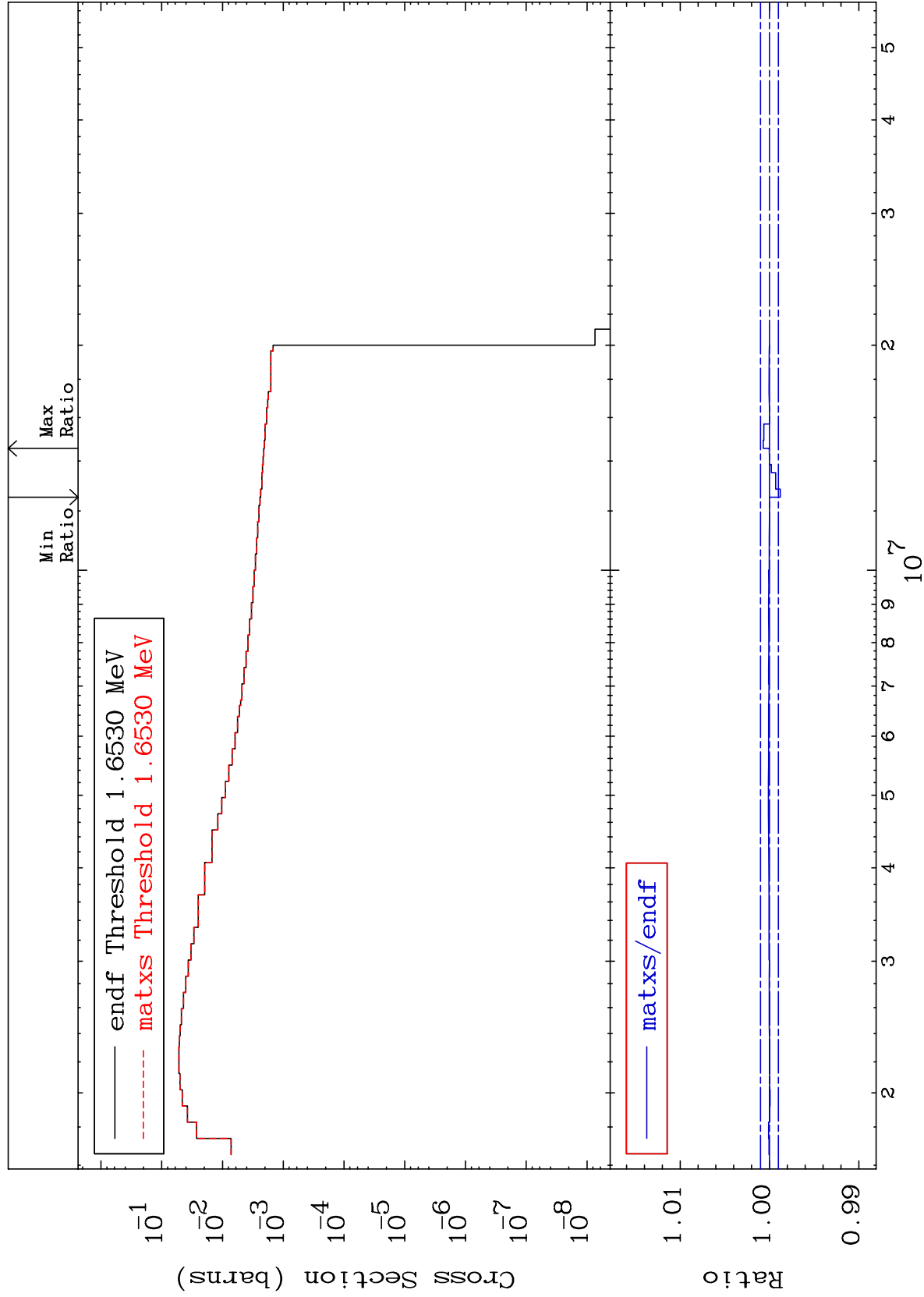
78-Pt-198
-0.573 To 0.071 %



MAT 7849

1.657 MeV (n,n') Level
Cross Section

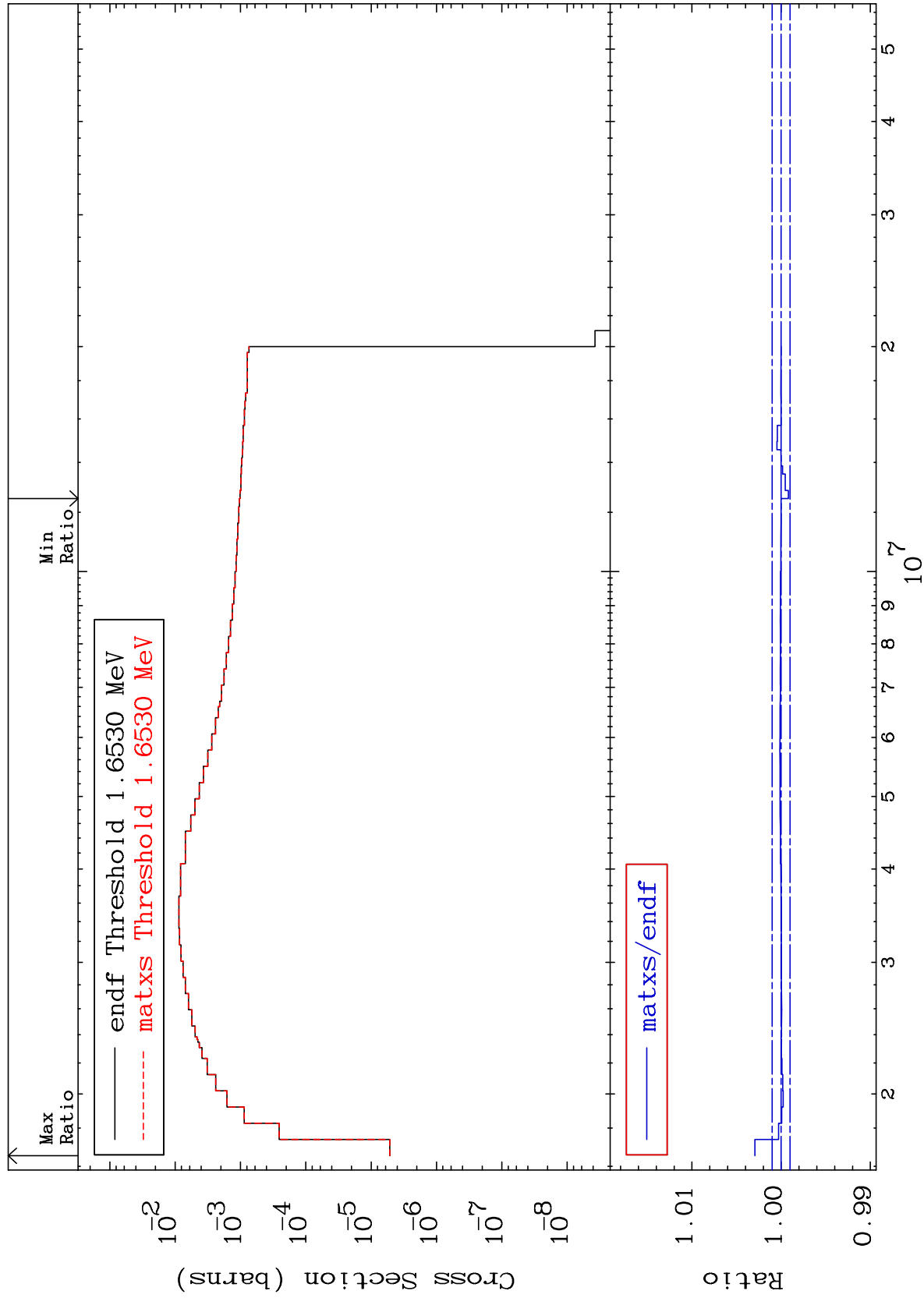
78-Pt-198
-0.120 To 0.071 %



MAT 7849

1.714 MeV (n,n') Level
Cross Section

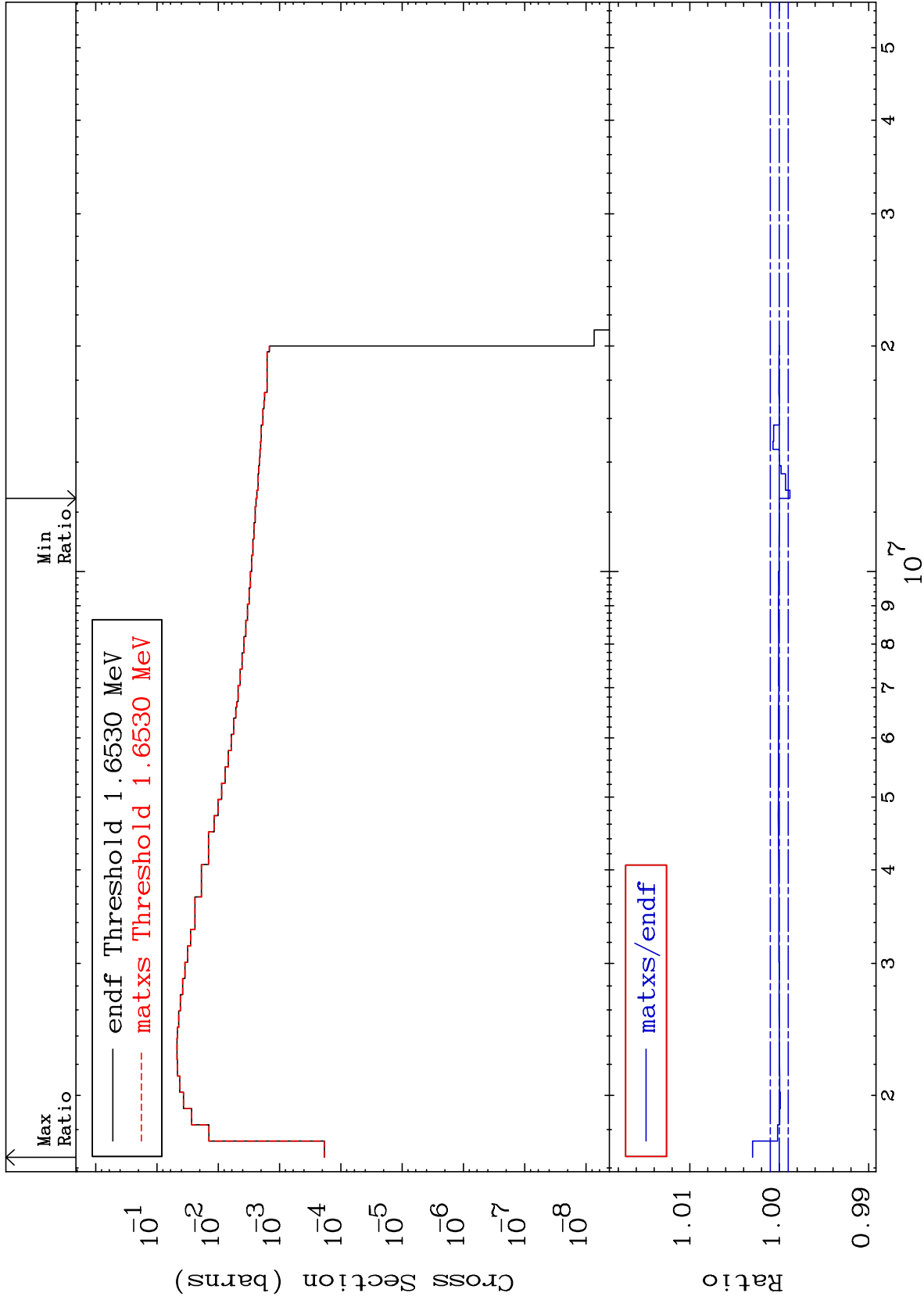
78-Pt-198
-0.081 To 0.295 %



MAT 7849

1.718 MeV (n,n') Level
Cross Section

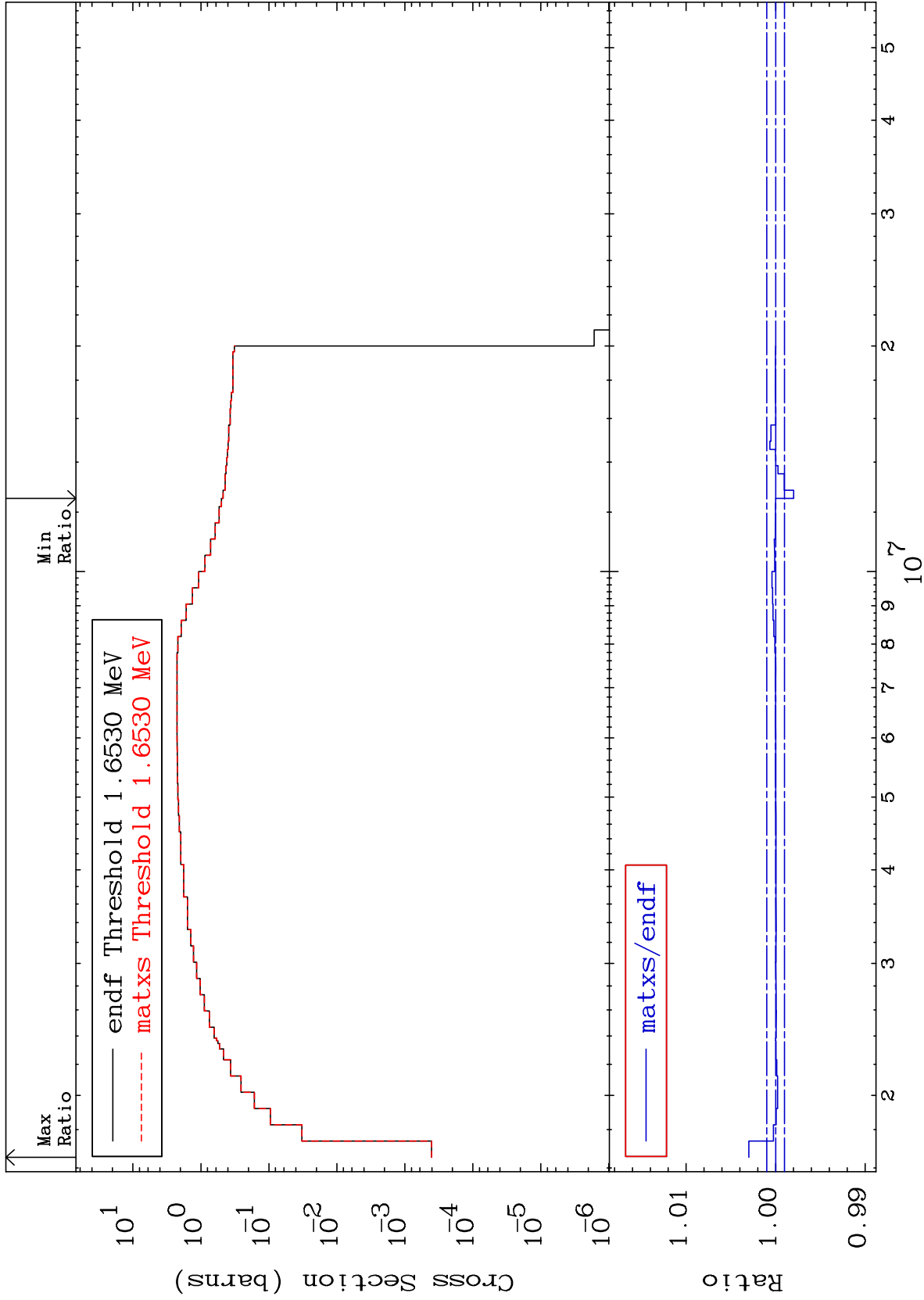
78-Pt-198
-0.118 To 0.299 %



MAT 7849

(n, n') Continuum
Cross Section

78-Pt-198
-0.201 To 0.299 %



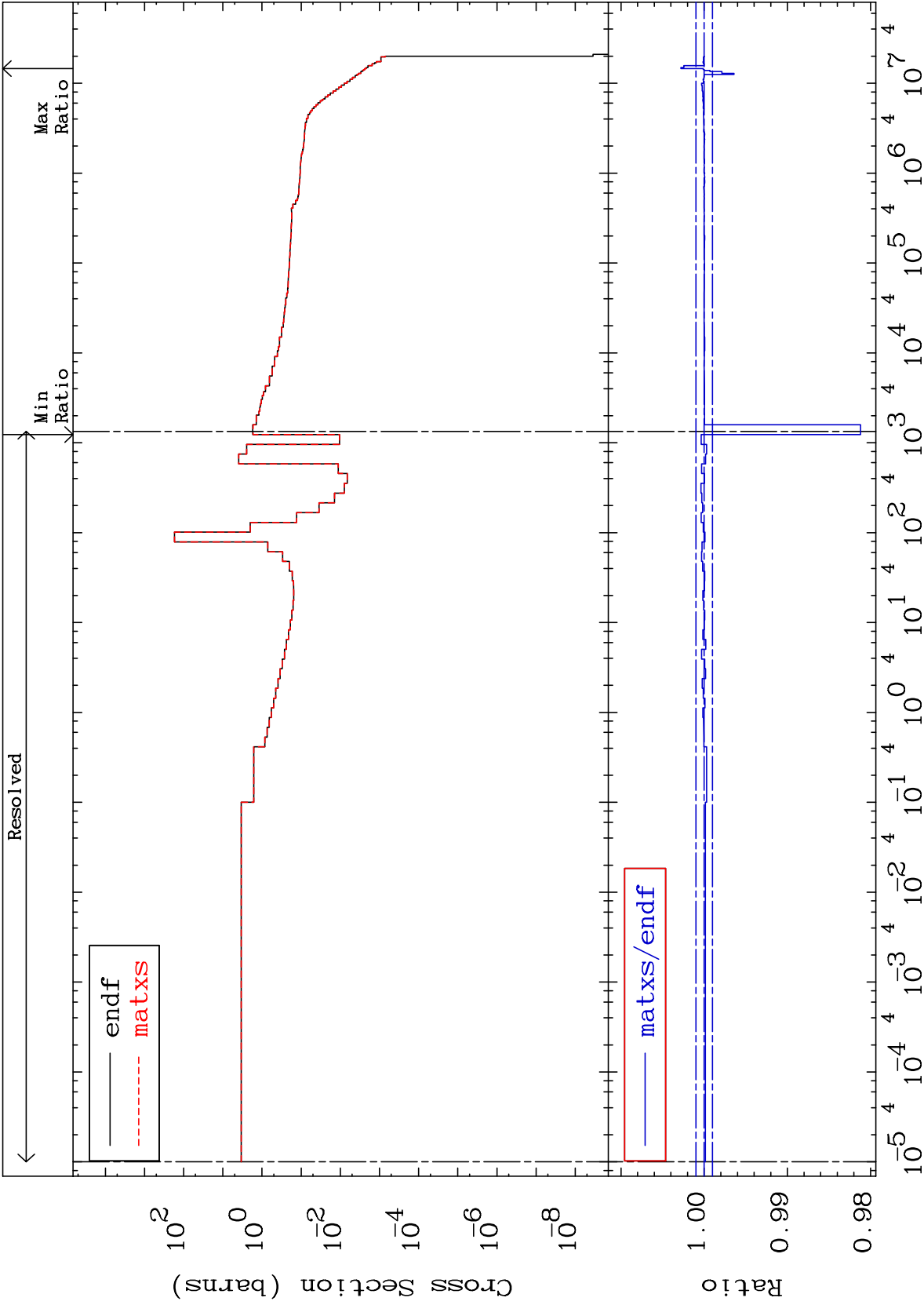
MAT 7849

(n, γ)

78-Pt-198

Cross Section

-1.880 To 0.280 %



MAT 7849

(n,p)

78-Pt-198
-0.845 To 1.753 %

Cross Section

Max Ratio

Min Ratio

— endf Threshold 4.4933 MeV
- - - matxs Threshold 4.4933 MeV

Cross Section (barns)

10^0
 10^{-3}
 10^{-6}
 10^{-9}
 10^{-12}
 10^{-15}
 10^{-18}

— matxs/endlf

Ratio
1.02
1.01
1.00
0.99

10^7

27

Incident Energy (eV)

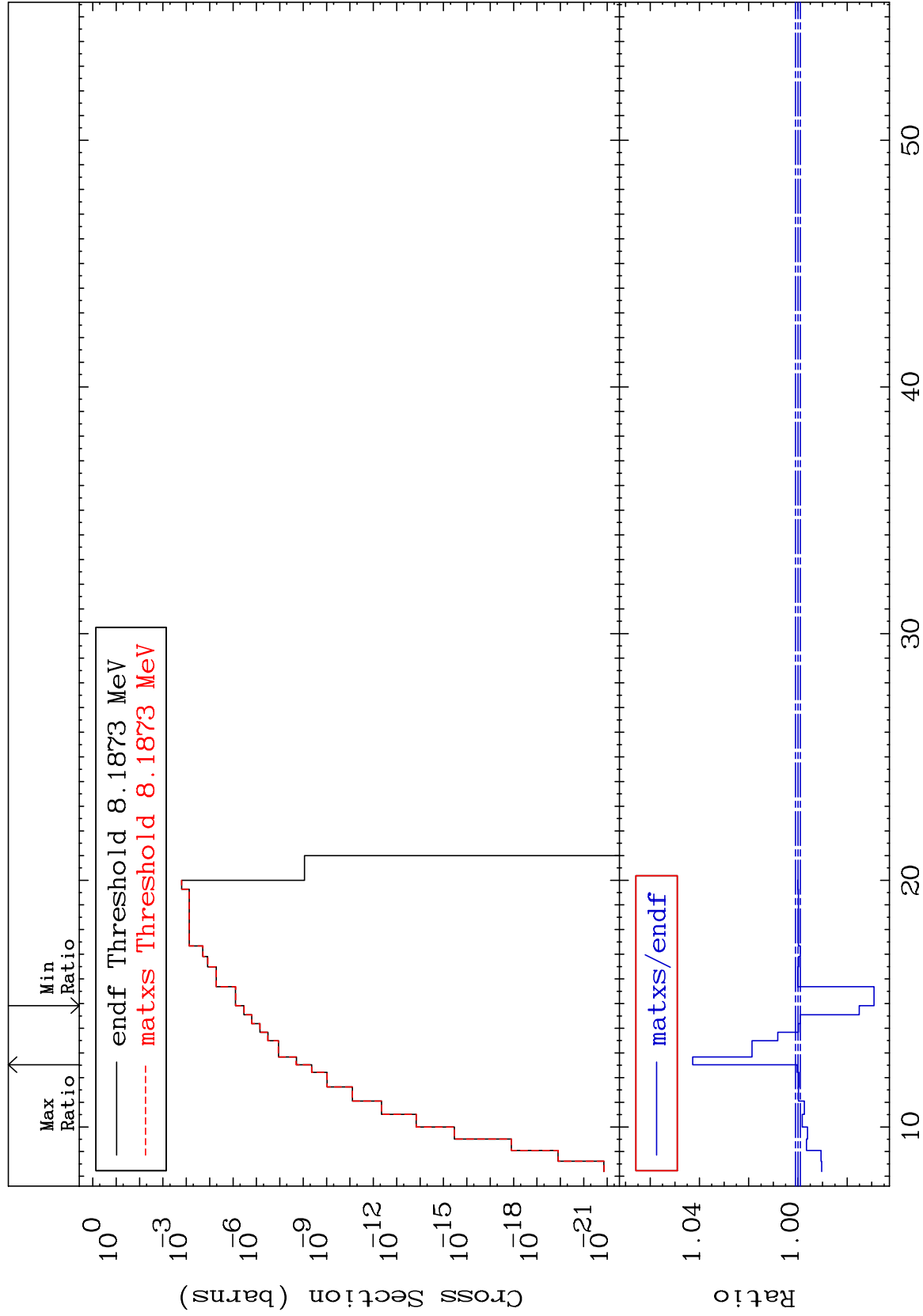
78-Pt-198

5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

MAT 7849

(n,d)
Cross Section

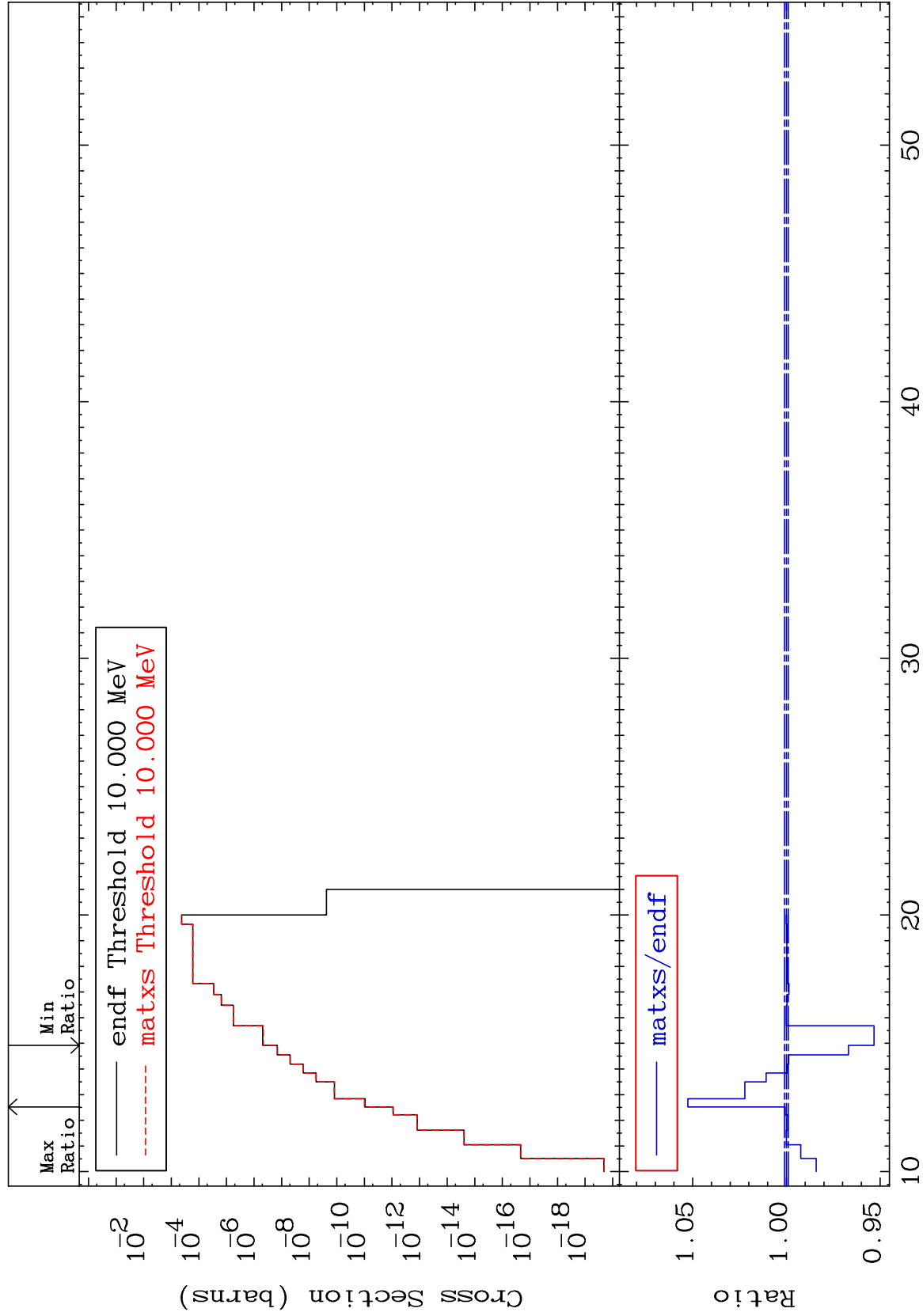
78-Pt-198
-3.091 To 4.274 %



MAT 7849

(n,t)
Cross Section

78-Pt-198
-4.676 To 5.257 %



29

Incident Energy (MeV)

78-Pt-198

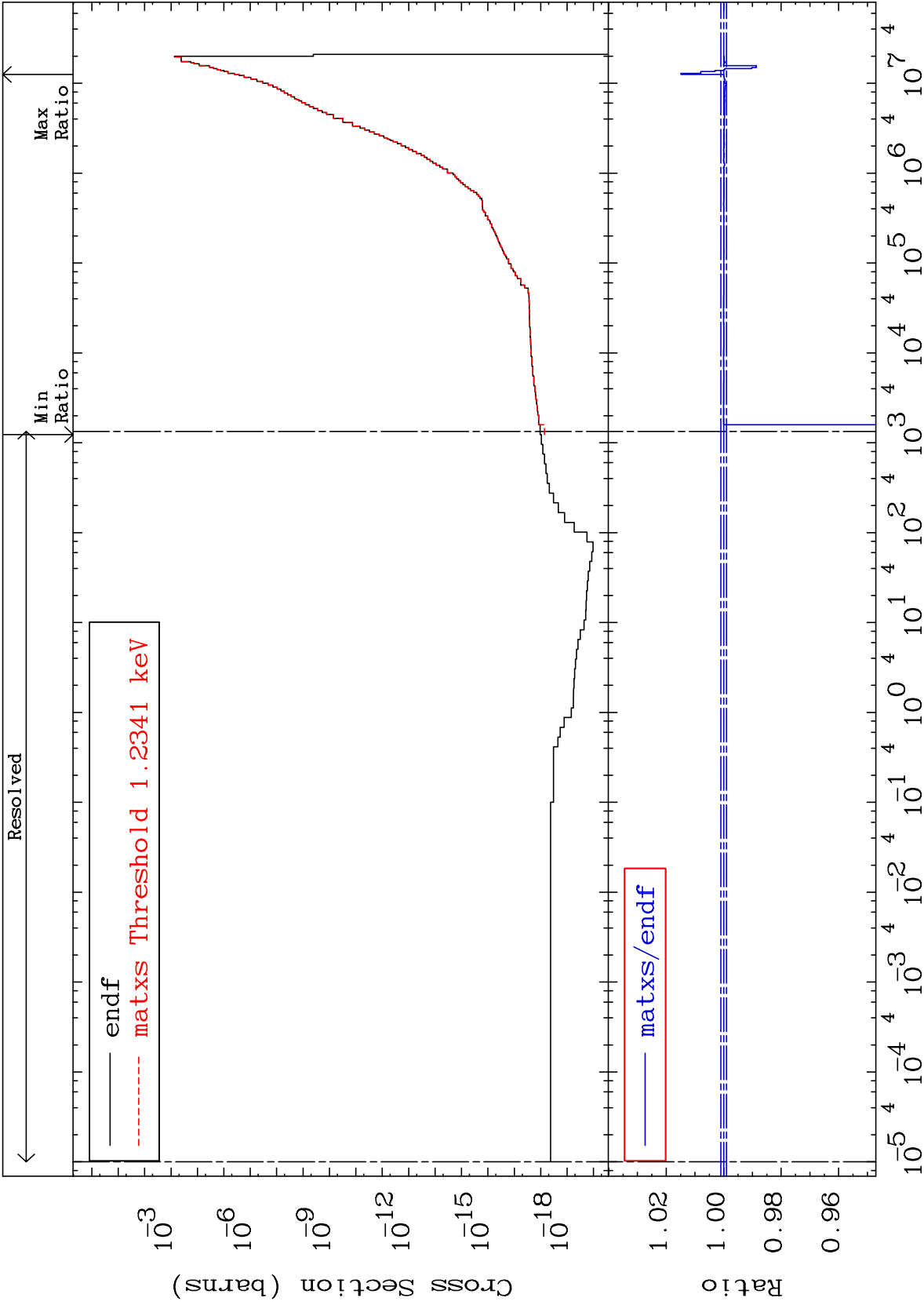
MAT 7849

(n, α)

78-Pt-198

Cross Section

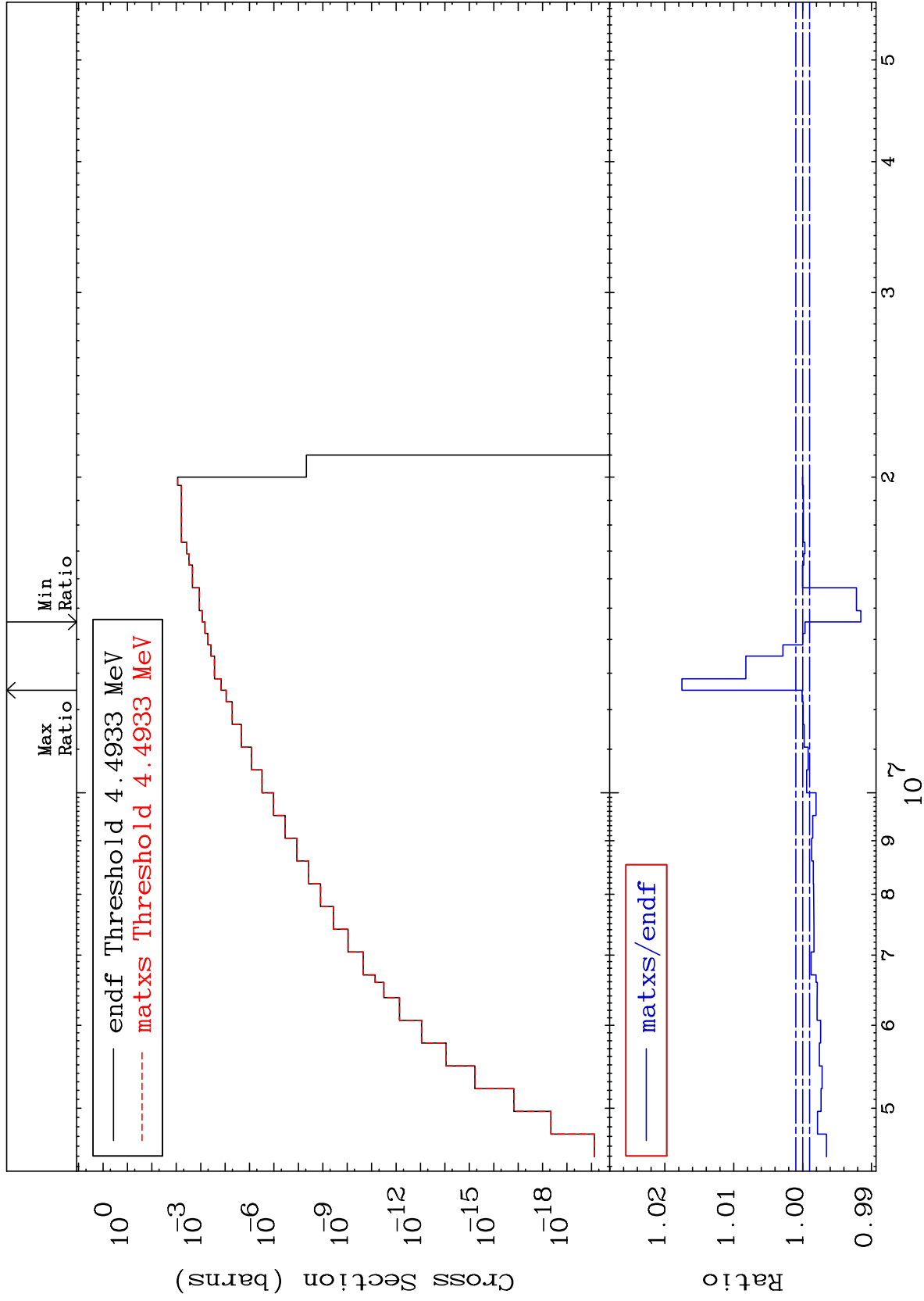
-31.64 To 1.488 %



MAT 7849

0.000 keV (n,p') Level
Cross Section

78-Pt-198
-0.845 To 1.753 %



MAT 7849

133.3 keV (n, α') Level
Cross Section

78-Pt-198
-31.64 To 1.488 %

