

Program Complot
(Version 2015-2)

by

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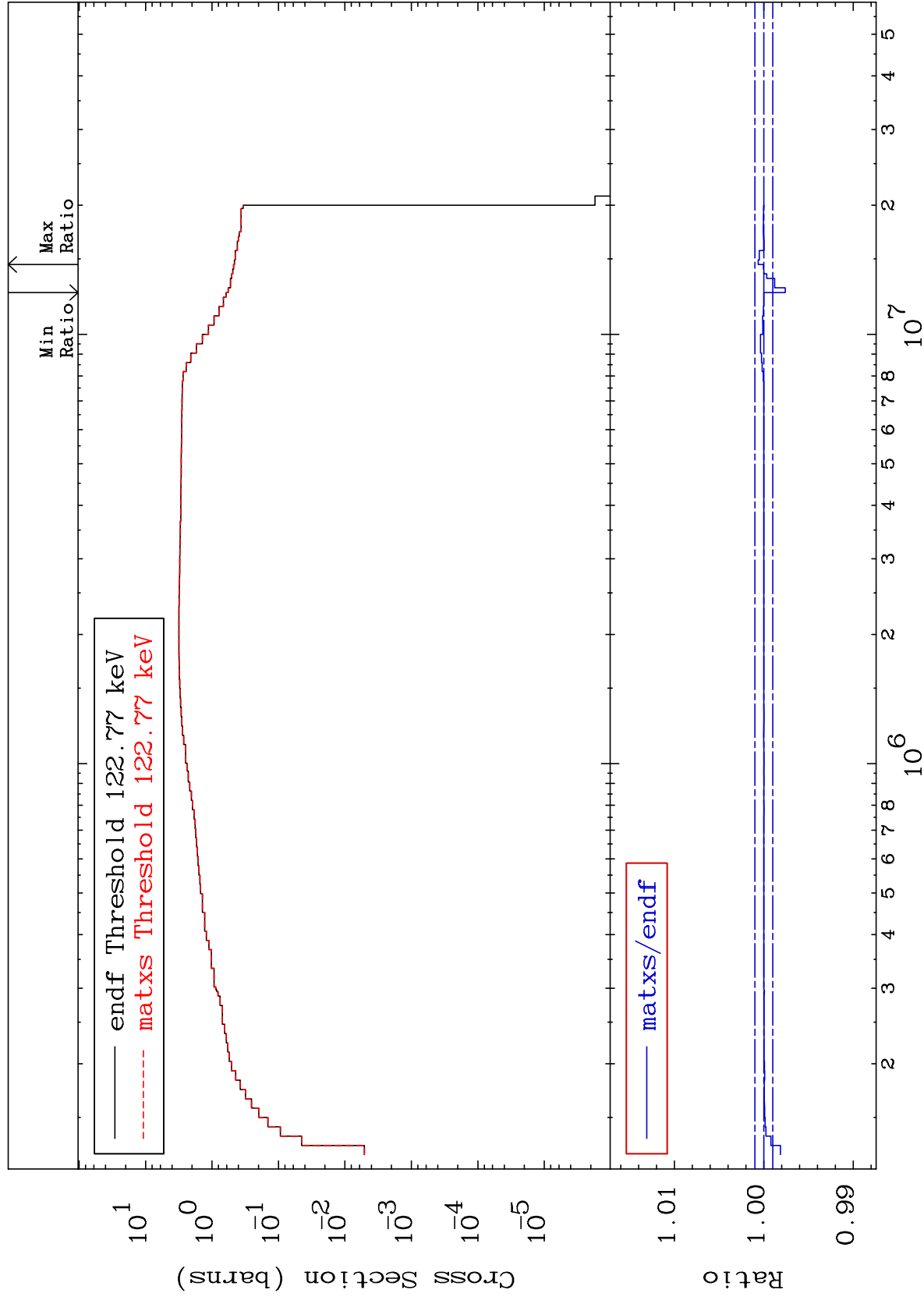
E.Mail: redcullen1@comcast.net
Web: home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 7525

Inelastic
Cross Section

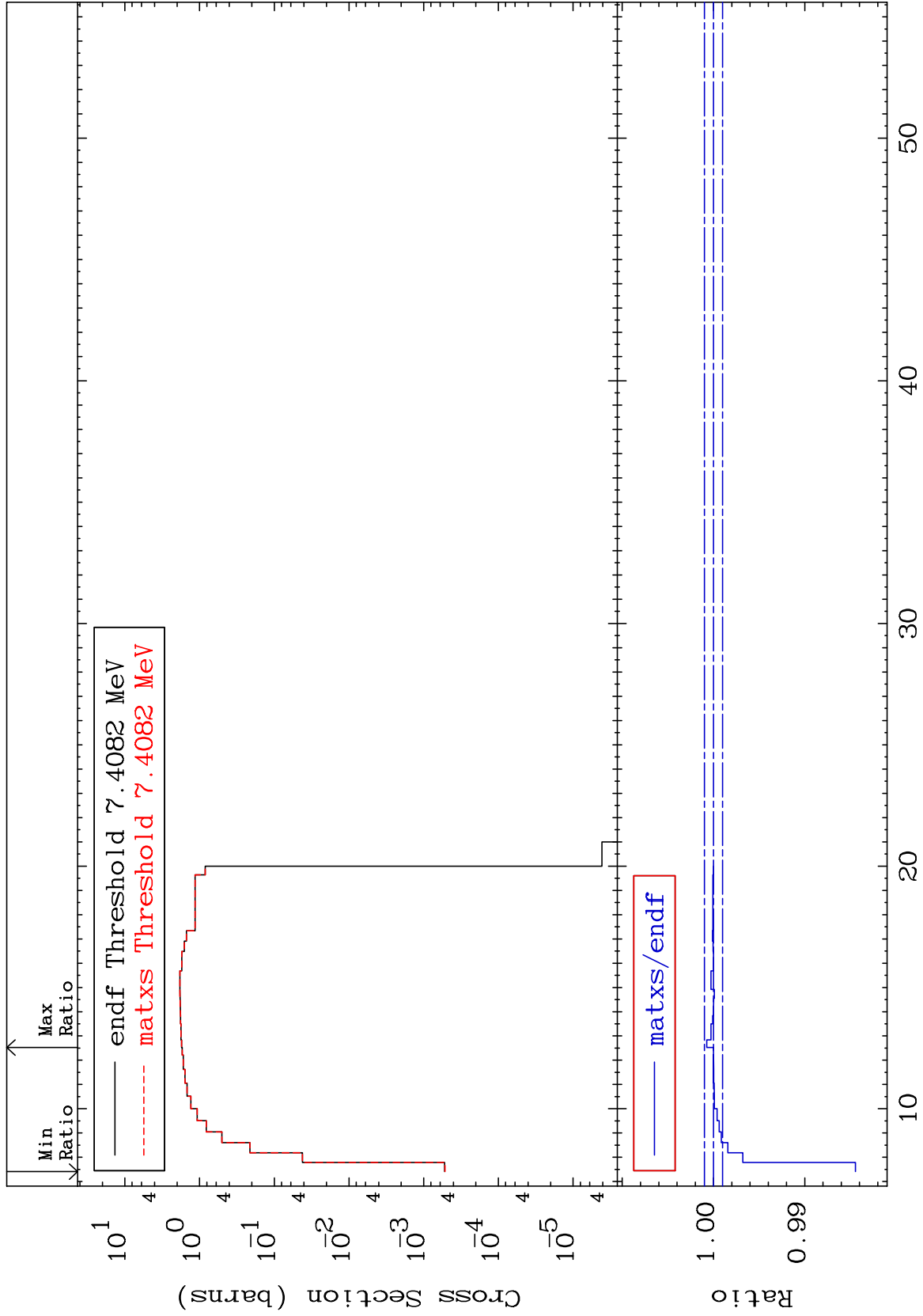
75-Re-185
-0.239 To 0.064 %



MAT 7525

(n,2n)
Cross Section

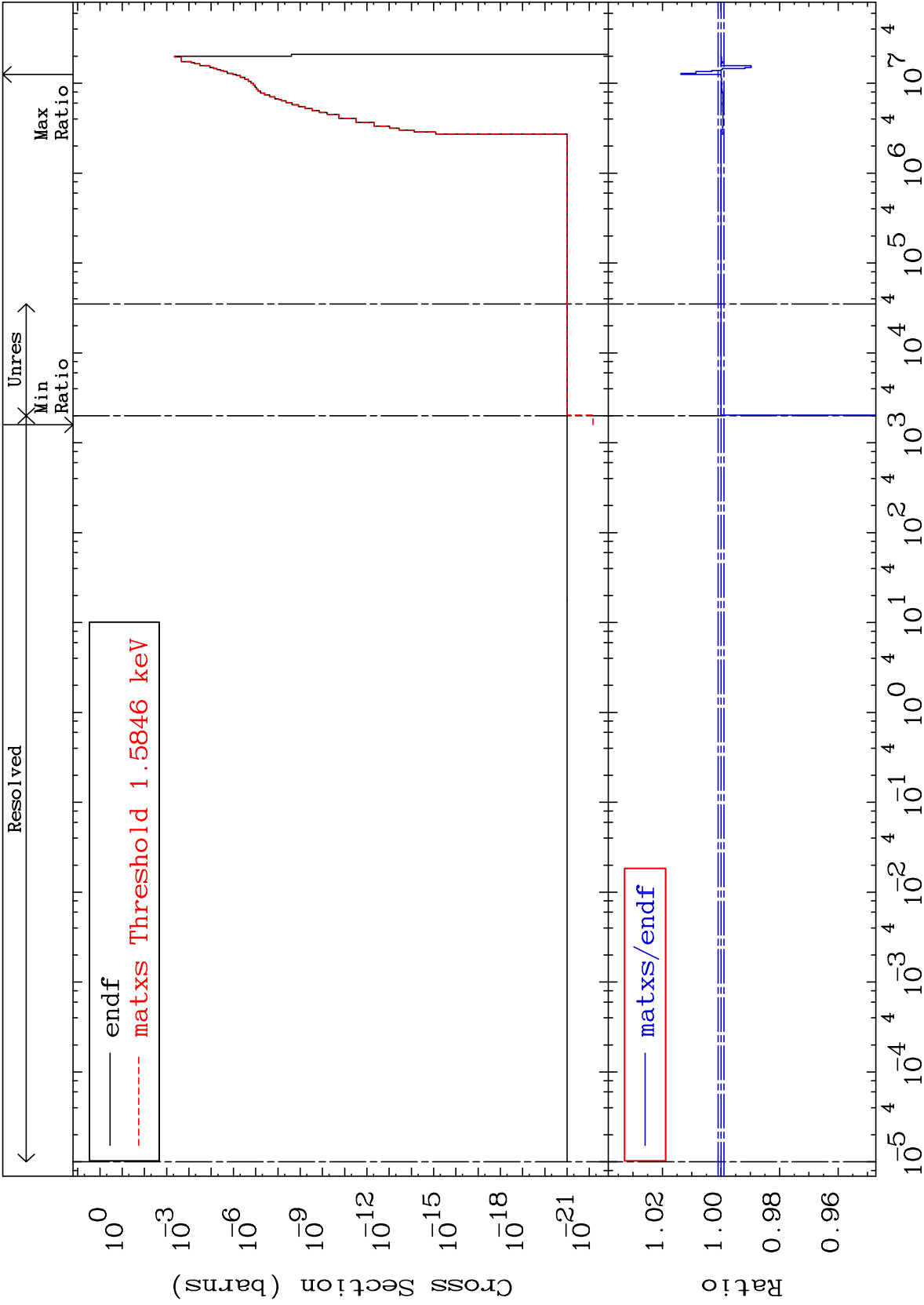
⁷⁵Re-185
-1.555 To 0.073 %



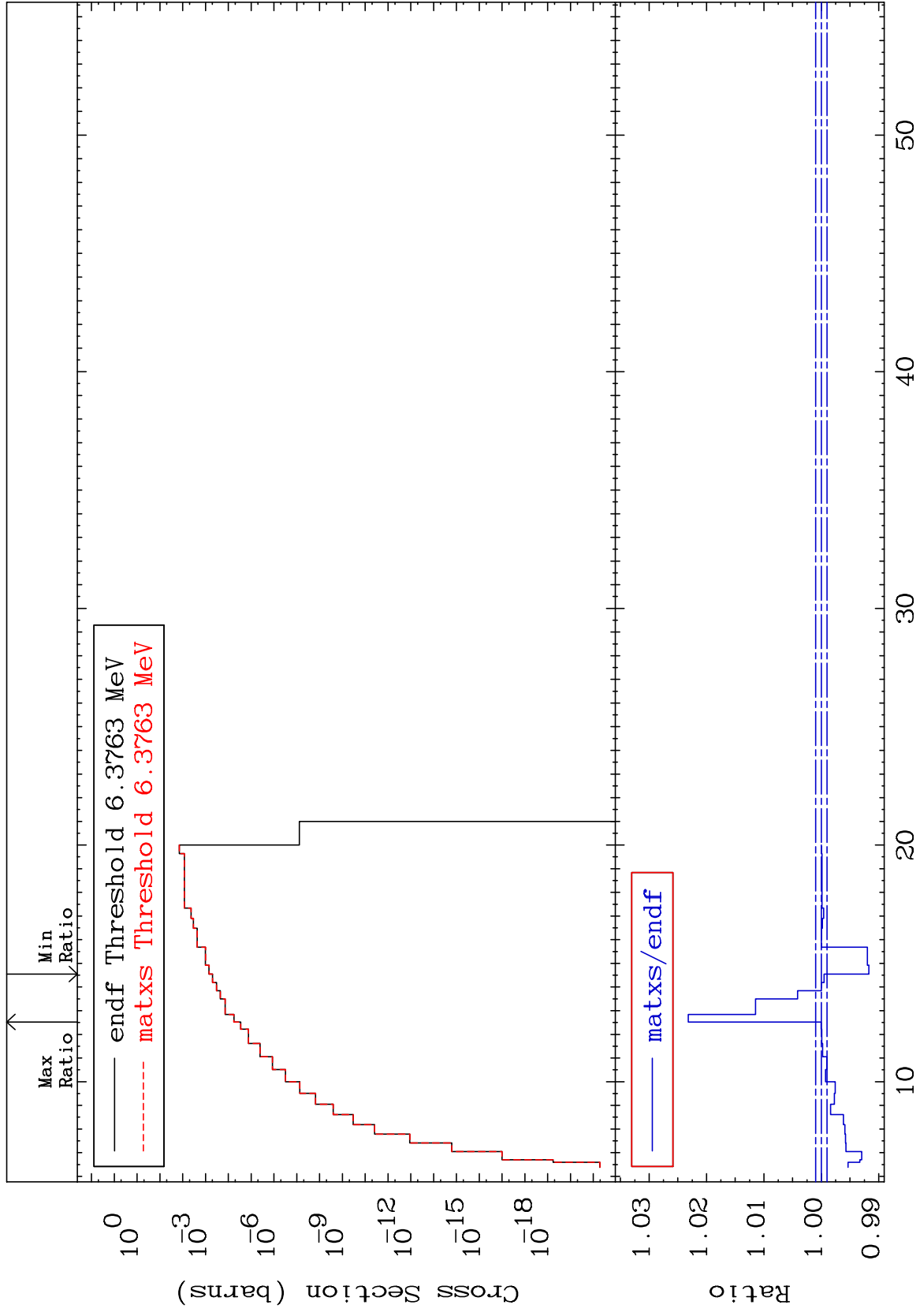
MAT 7525

(n, n') α
Cross Section

75-Re-185
-93.12 To 1.367 %



MAT 7525 (n, n') p 75-Re-185
Cross Section -0.829 To 2.317 %



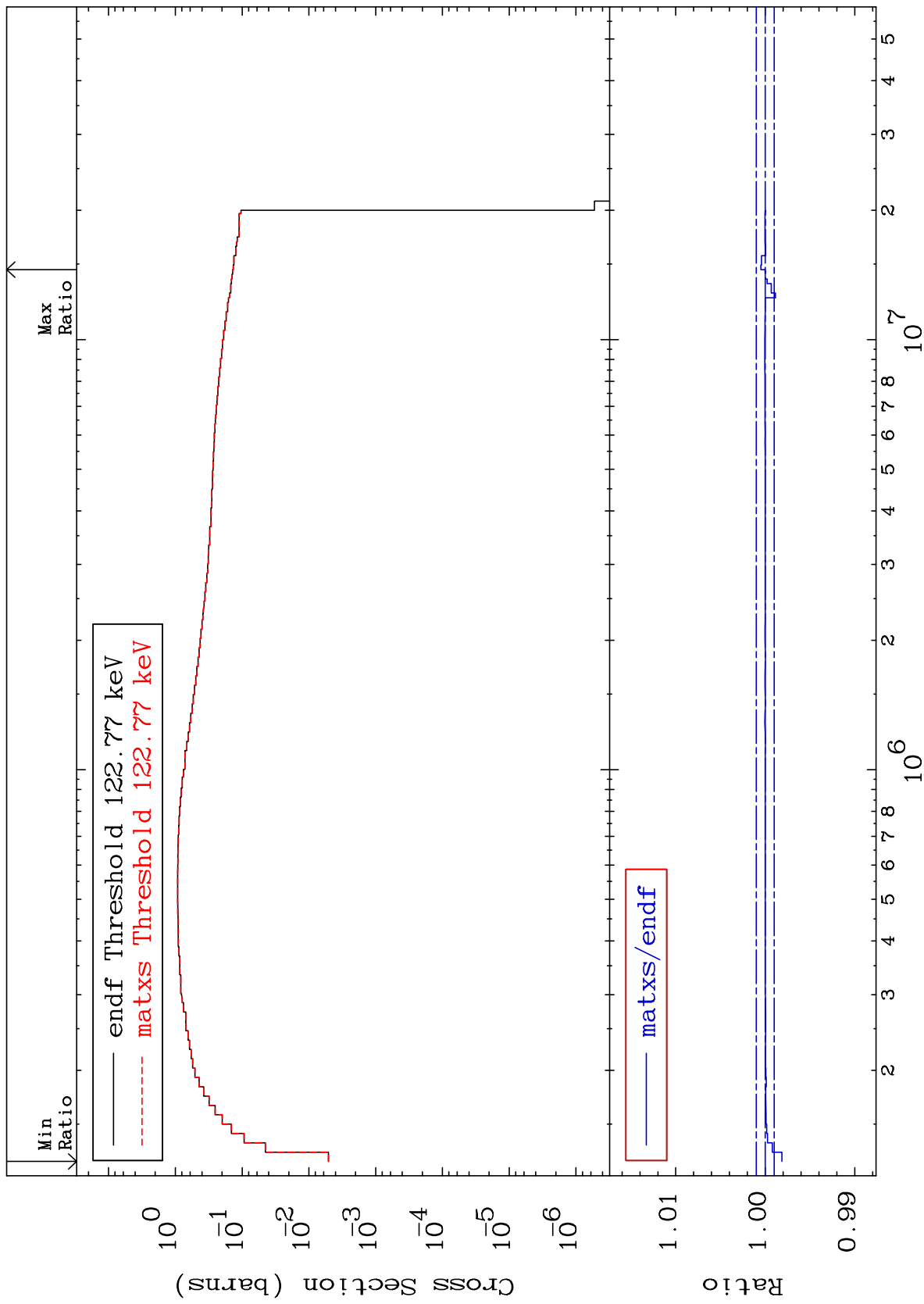
75-Re-185

Incident Energy (MeV)

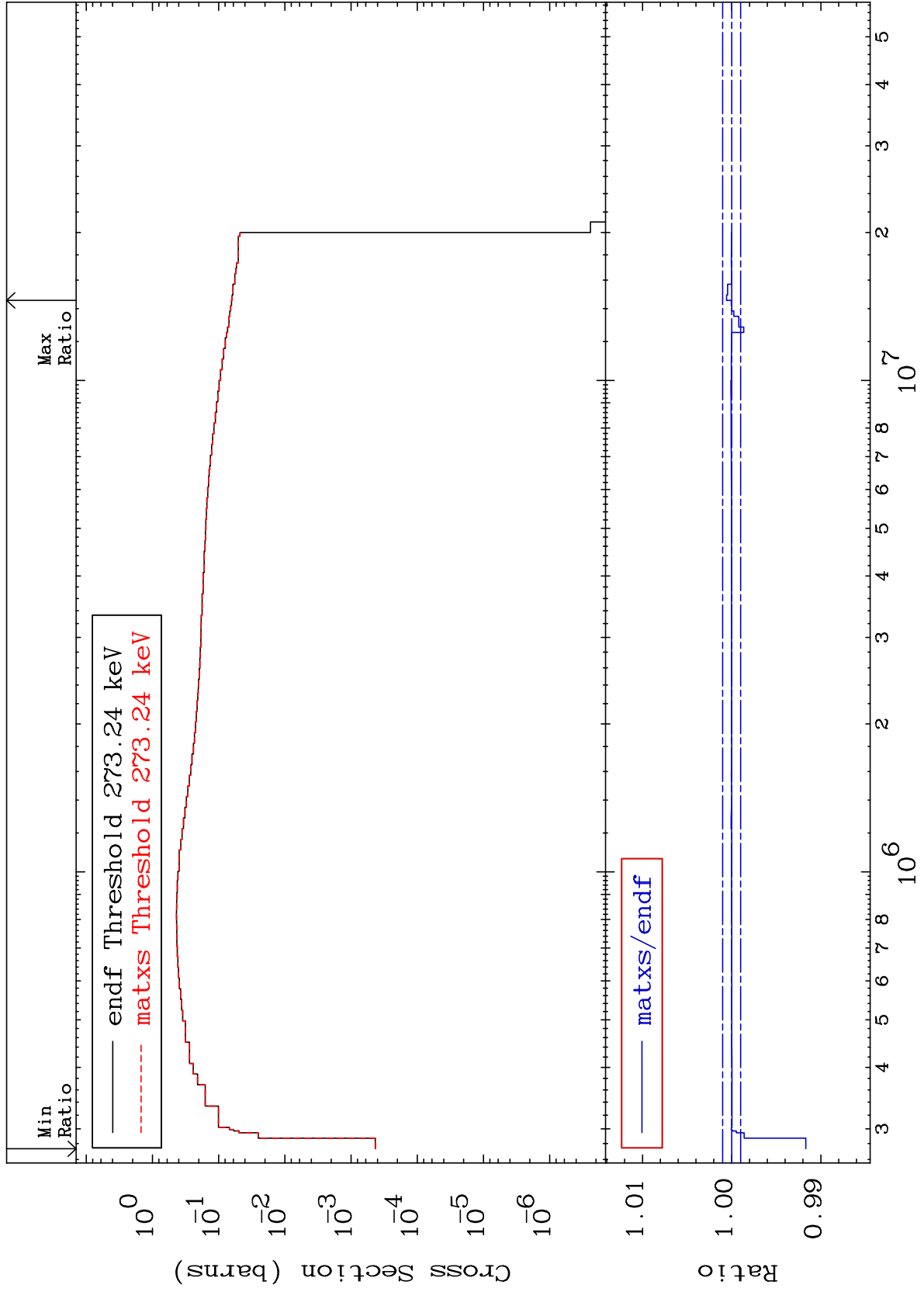
MAT 7525

125.4 keV (n,n') Level
Cross Section

75-Re-185
-0.186 To 0.049 %



MAT 7525 284.1 keV (n,n') Level 75-Re-185
Cross Section -0.832 To 0.057 %

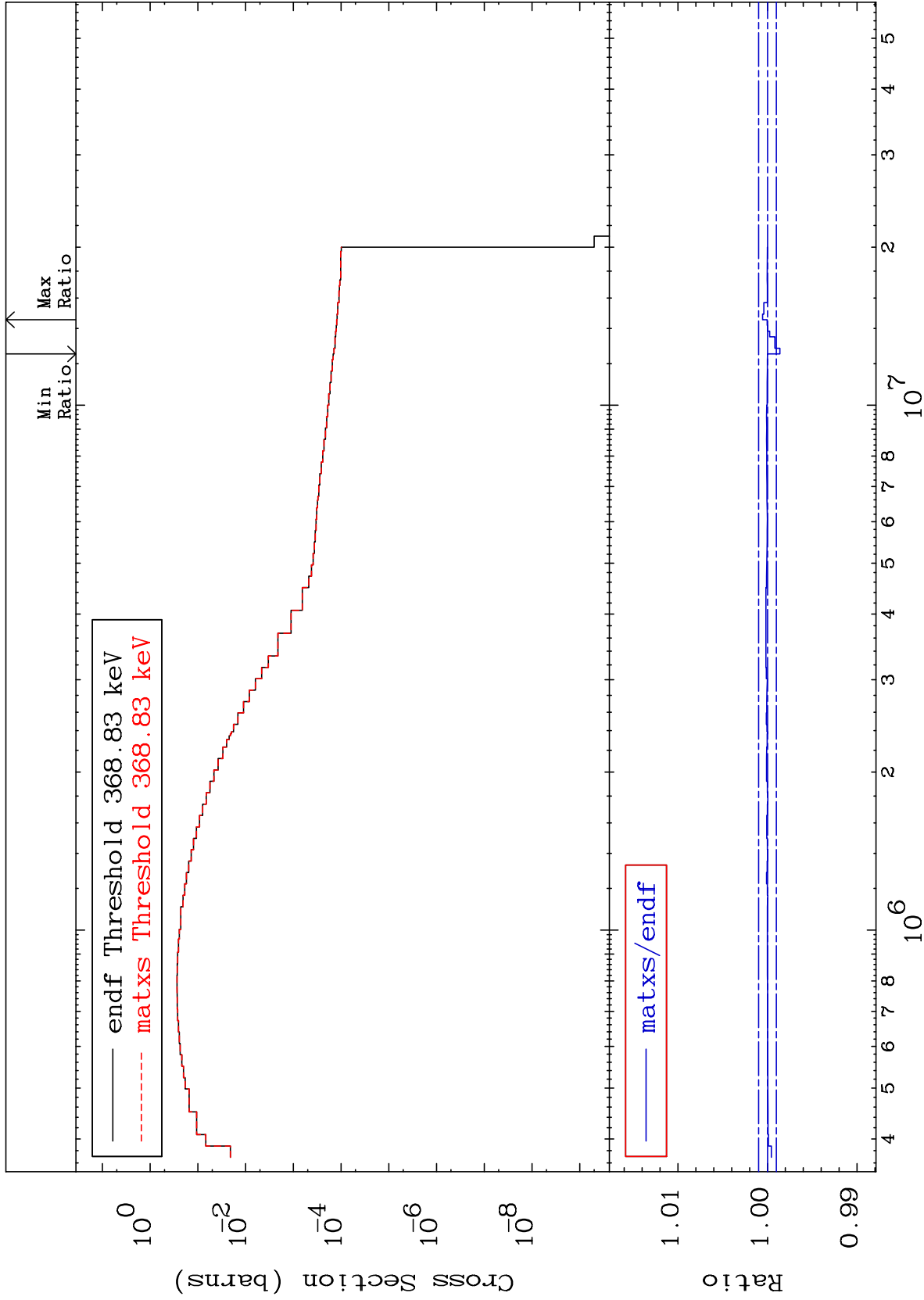


6 75-Re-185

MAT 7525

368.2 keV (n,n') Level
Cross Section

⁷⁵Re-185
-0.138 To 0.054 %



7

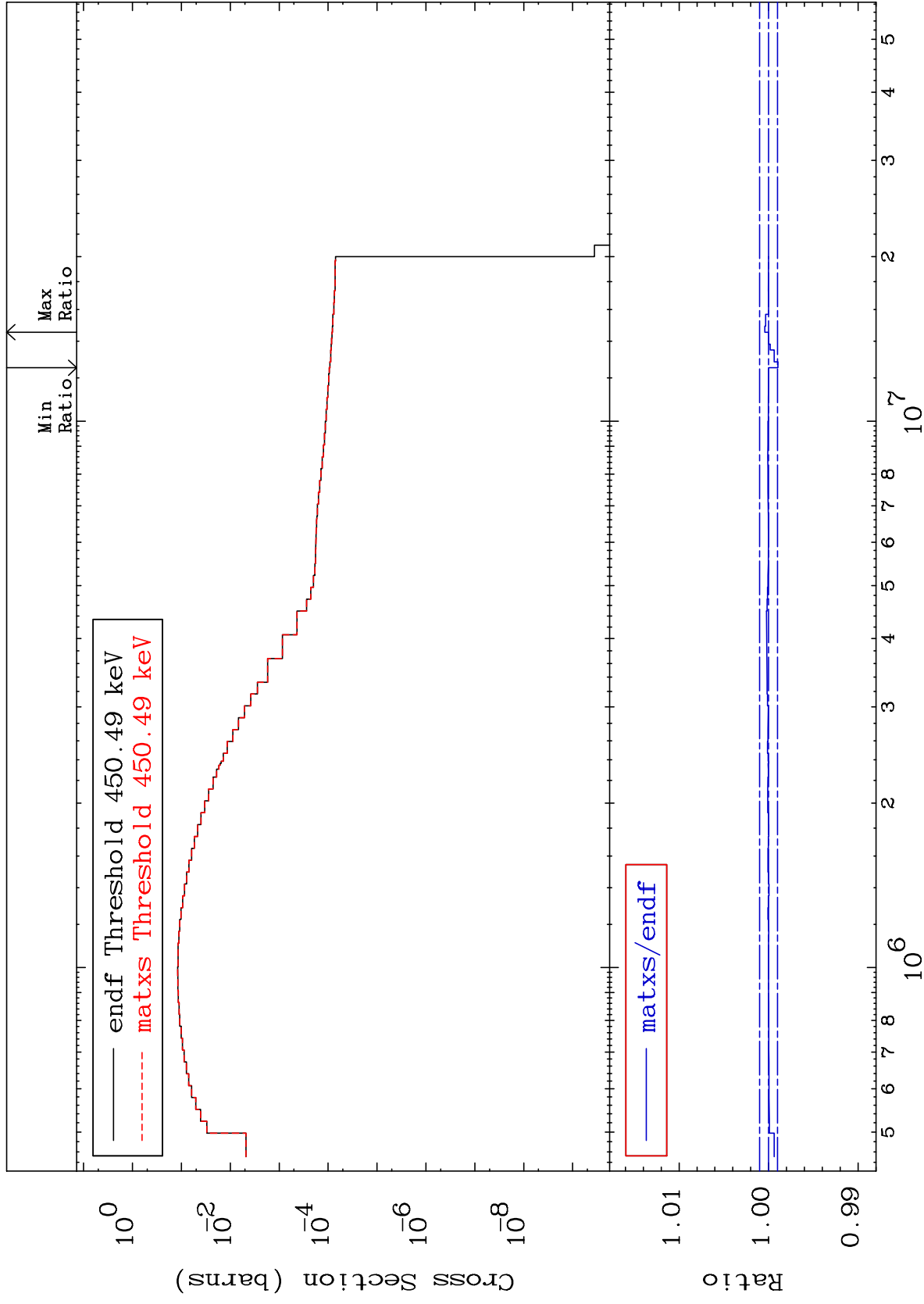
Incident Energy (eV)

⁷⁵Re-185

MAT 75225

475.6 keV (n,n') Level
Cross Section

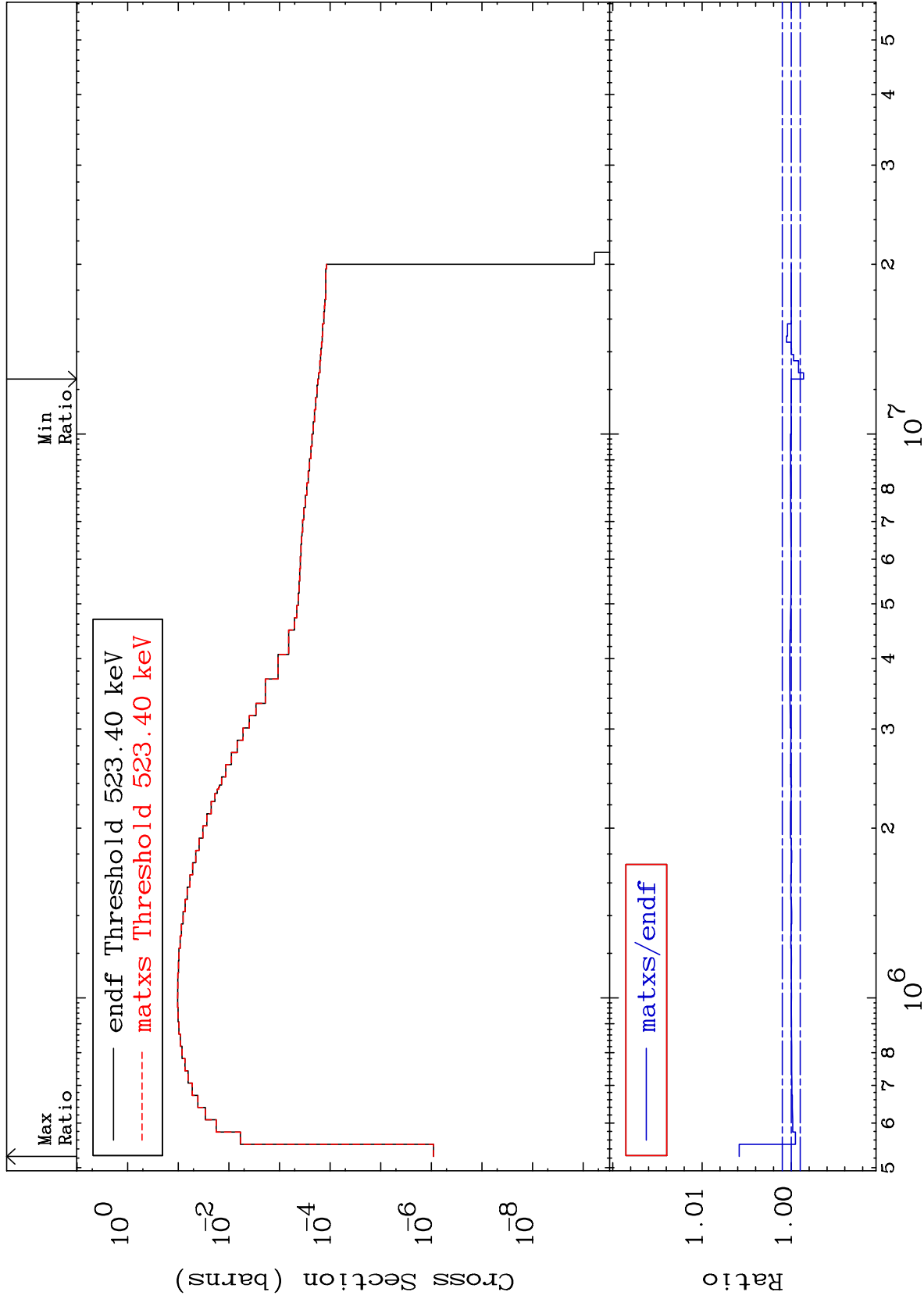
75-Re-185
-0.105 To 0.042 %



MAT 7525

546.9 keV (n,n') Level
Cross Section

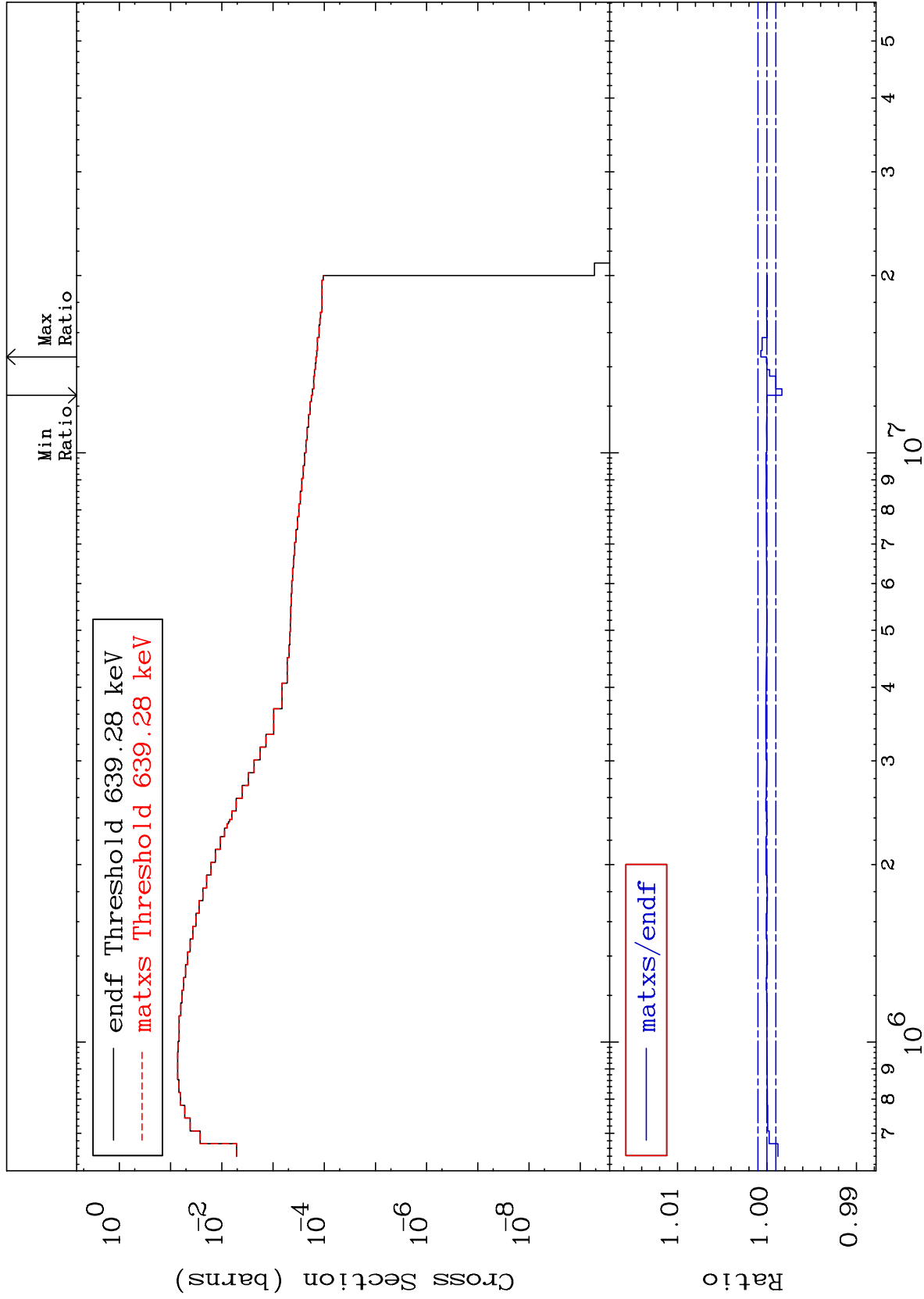
75-Re-185
-0.138 To 0.584 %



MAT 75225

646.1 keV (n,n') Level
Cross Section

75-Re-185
-0.168 To 0.069 %

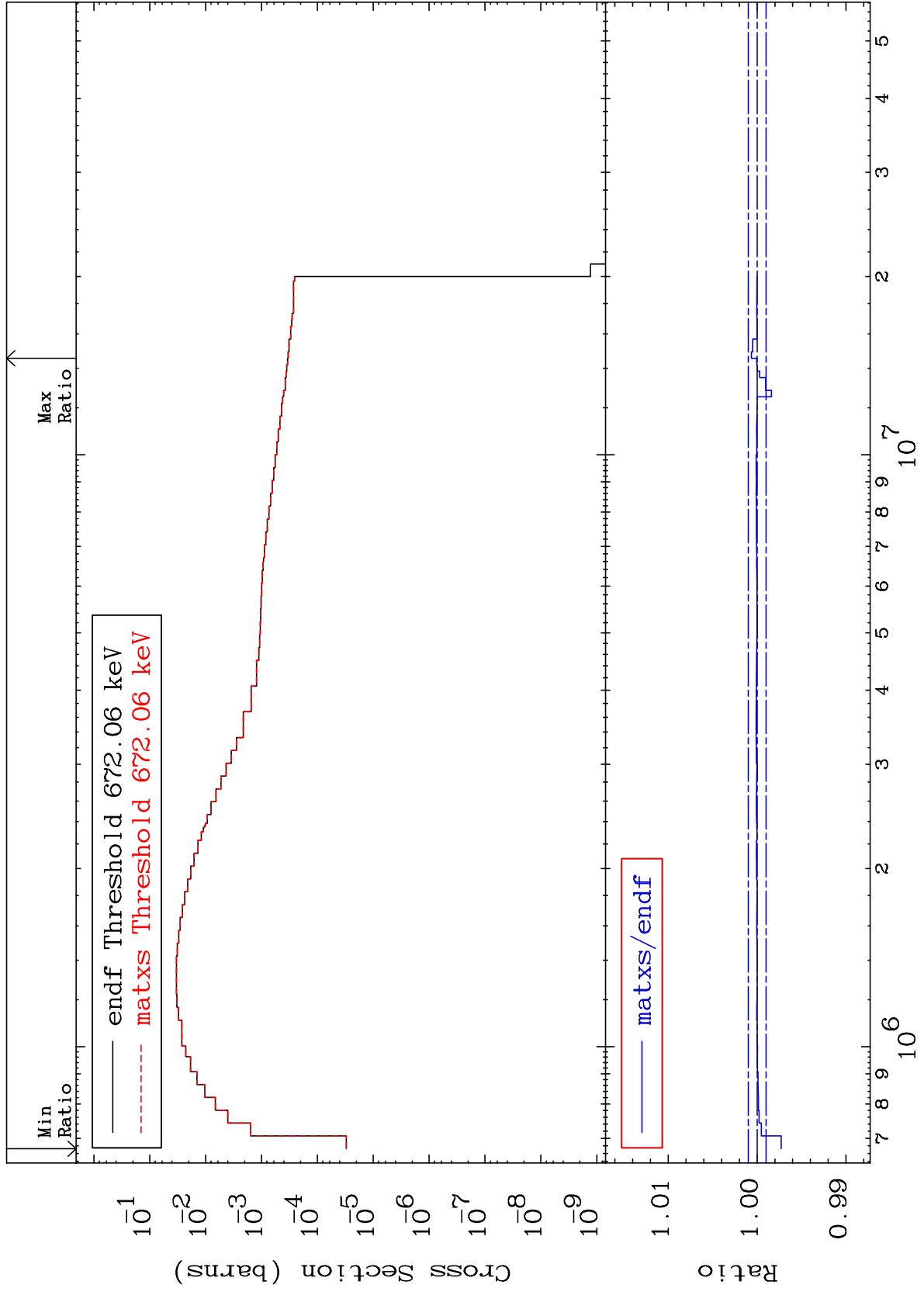


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Incident Energy (eV)

75-Re-185

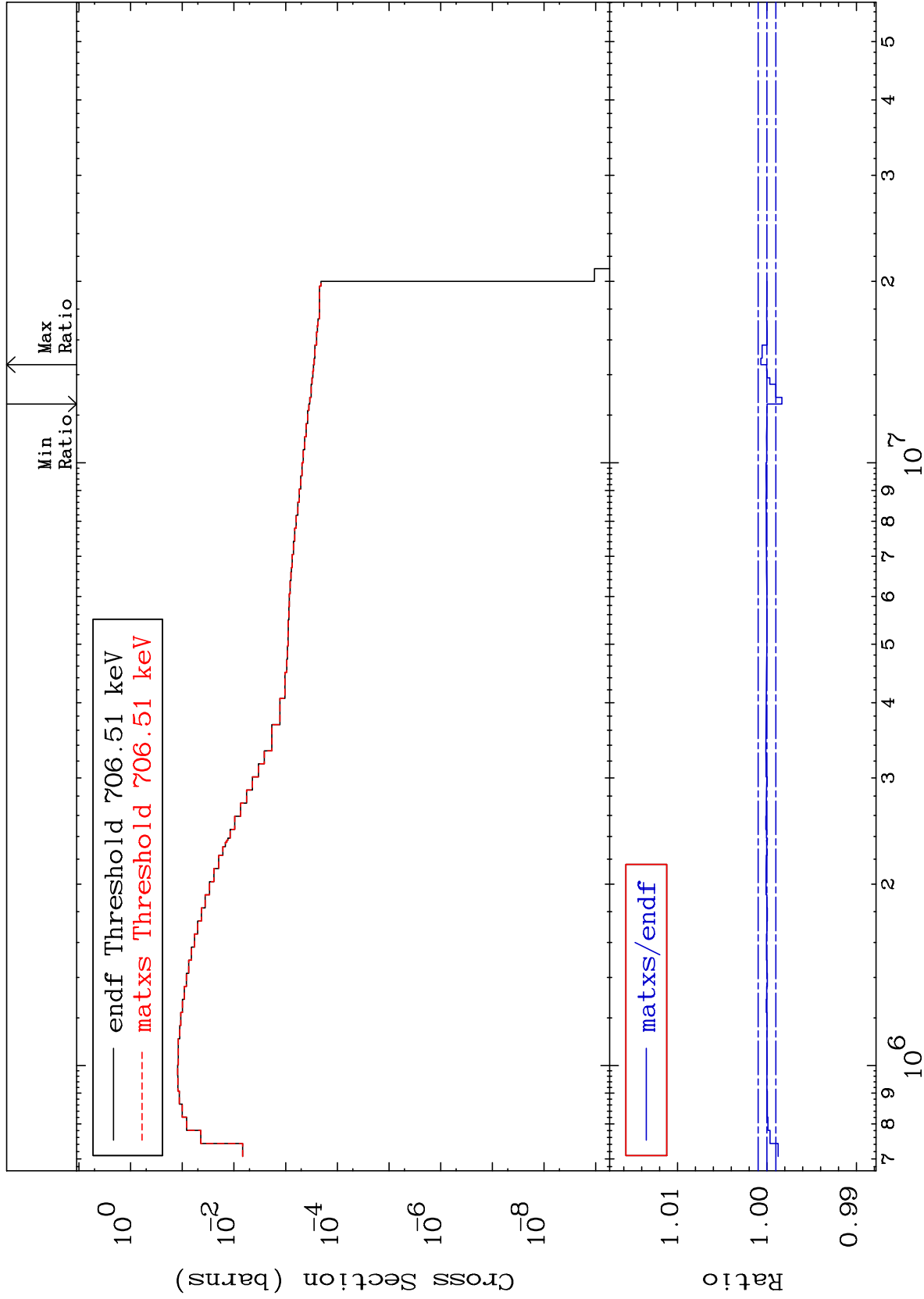
MAT 7525 697.0 keV (n,n') Level 75-Re-185
 Cross Section -0.270 To 0.065 %



MAT 7525

717.4 keV (n,n') Level
Cross Section

⁷⁵Re-185
-0.167 To 0.069 %



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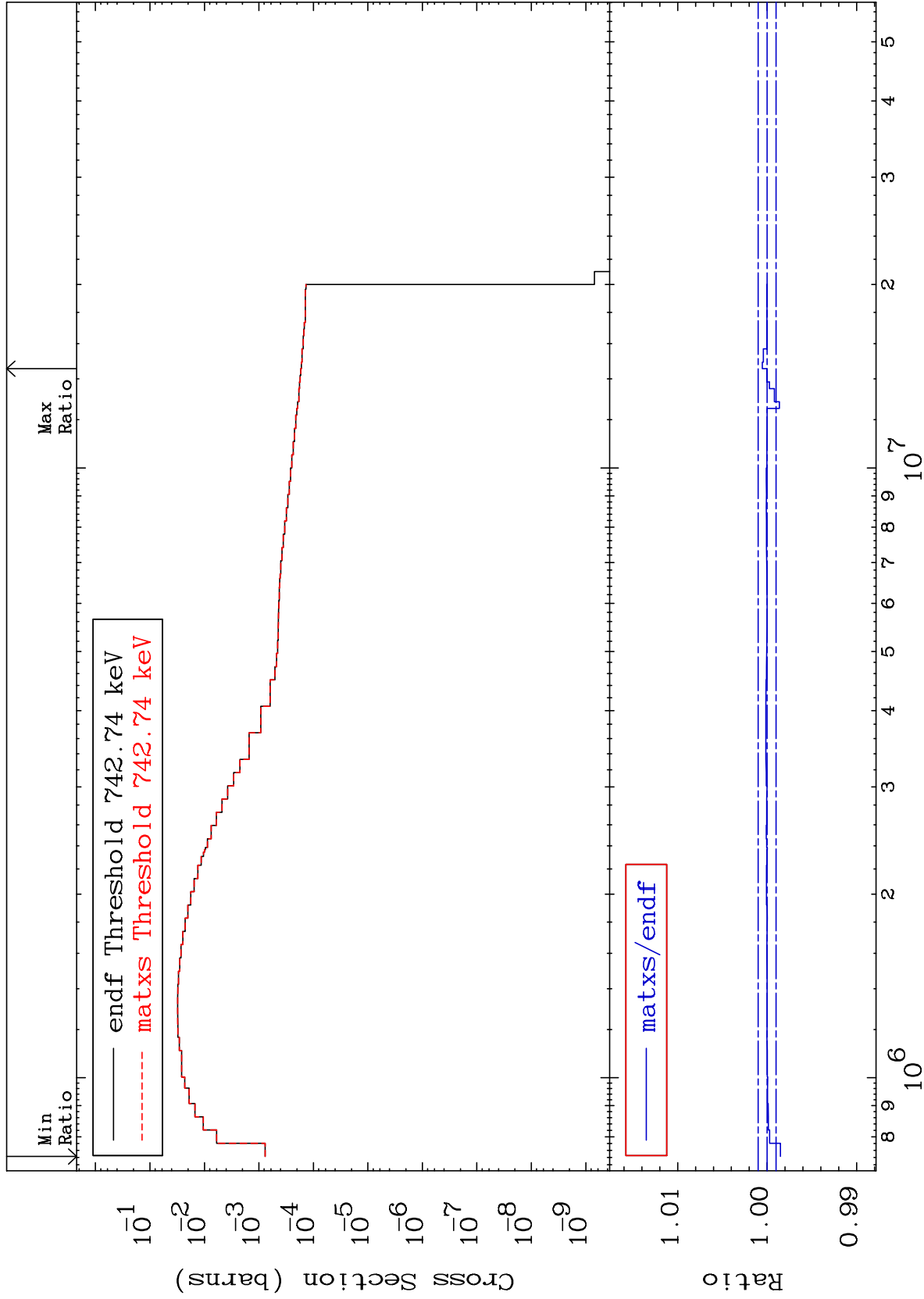
Incident Energy (eV)

⁷⁵Re-185

MAT 7525

757.4 keV (n,n') Level
Cross Section

⁷⁵Re-185
-0.149 To 0.054 %



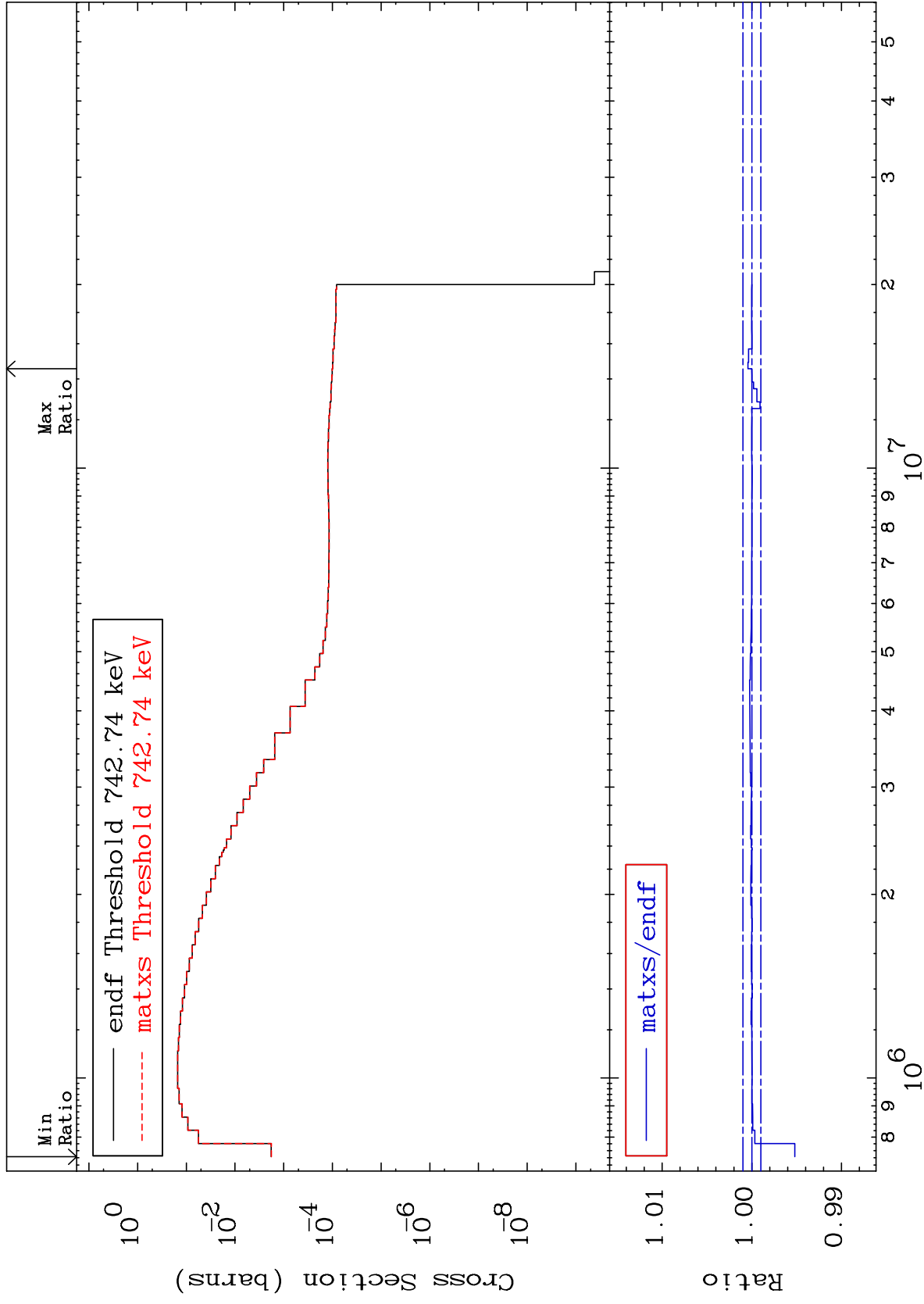
13

⁷⁵Re-185

MAT 7525

768.9 keV (n,n') Level
Cross Section

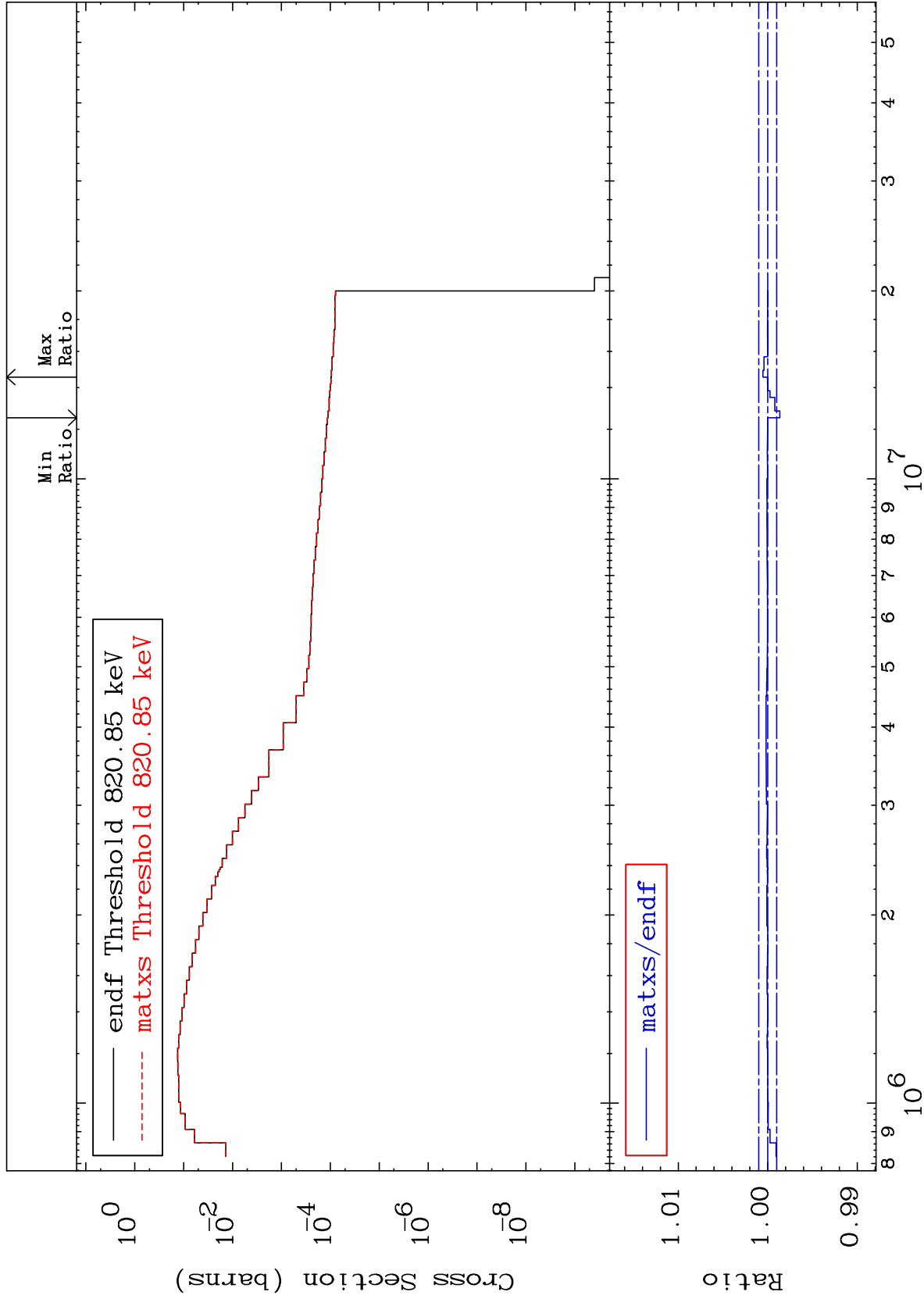
⁷⁵Re-185
-0.480 To 0.043 %



MAT 7525

826.0 keV (n,n') Level
Cross Section

⁷⁵Re-185
-0.136 To 0.054 %



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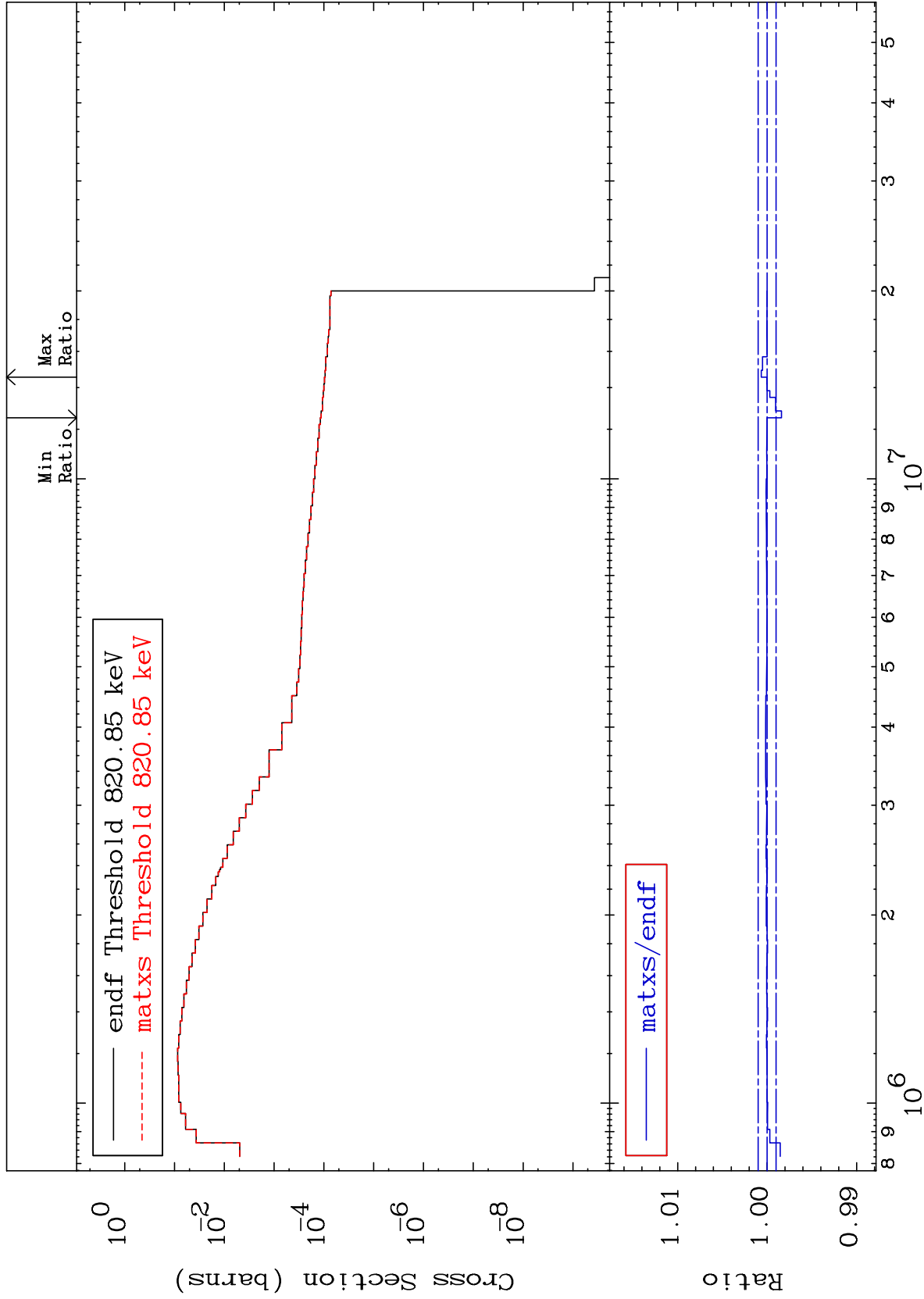
Incident Energy (eV)

⁷⁵Re-185

MAT 7525

836.0 keV (n,n') Level
Cross Section

⁷⁵Re-185
-0.160 To 0.066 %



16

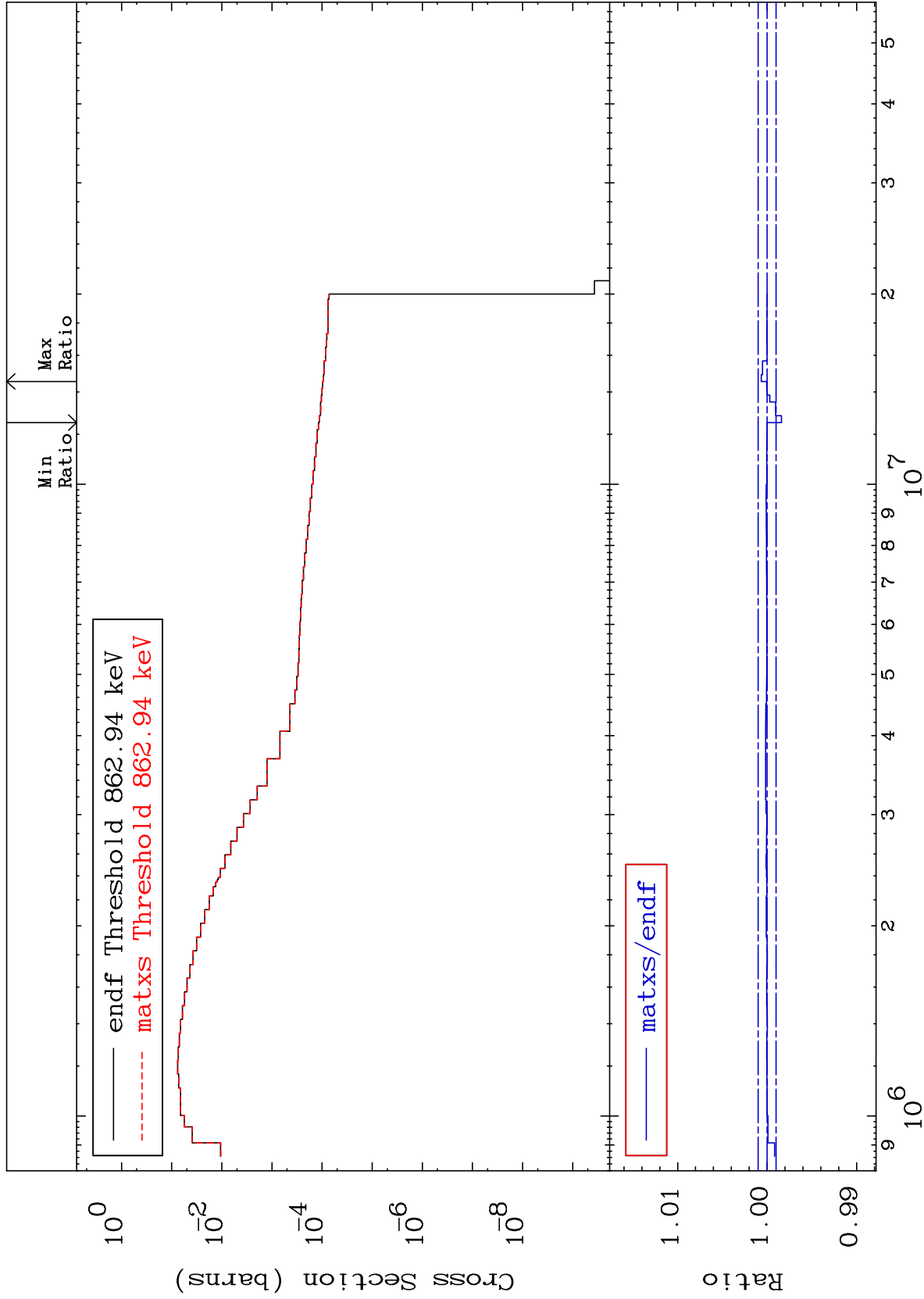
Incident Energy (eV)

⁷⁵Re-185

MAT 7525

874.8 keV (n,n') Level
Cross Section

⁷⁵Re-¹⁸⁵Re
-0.161 To 0.066 %



17

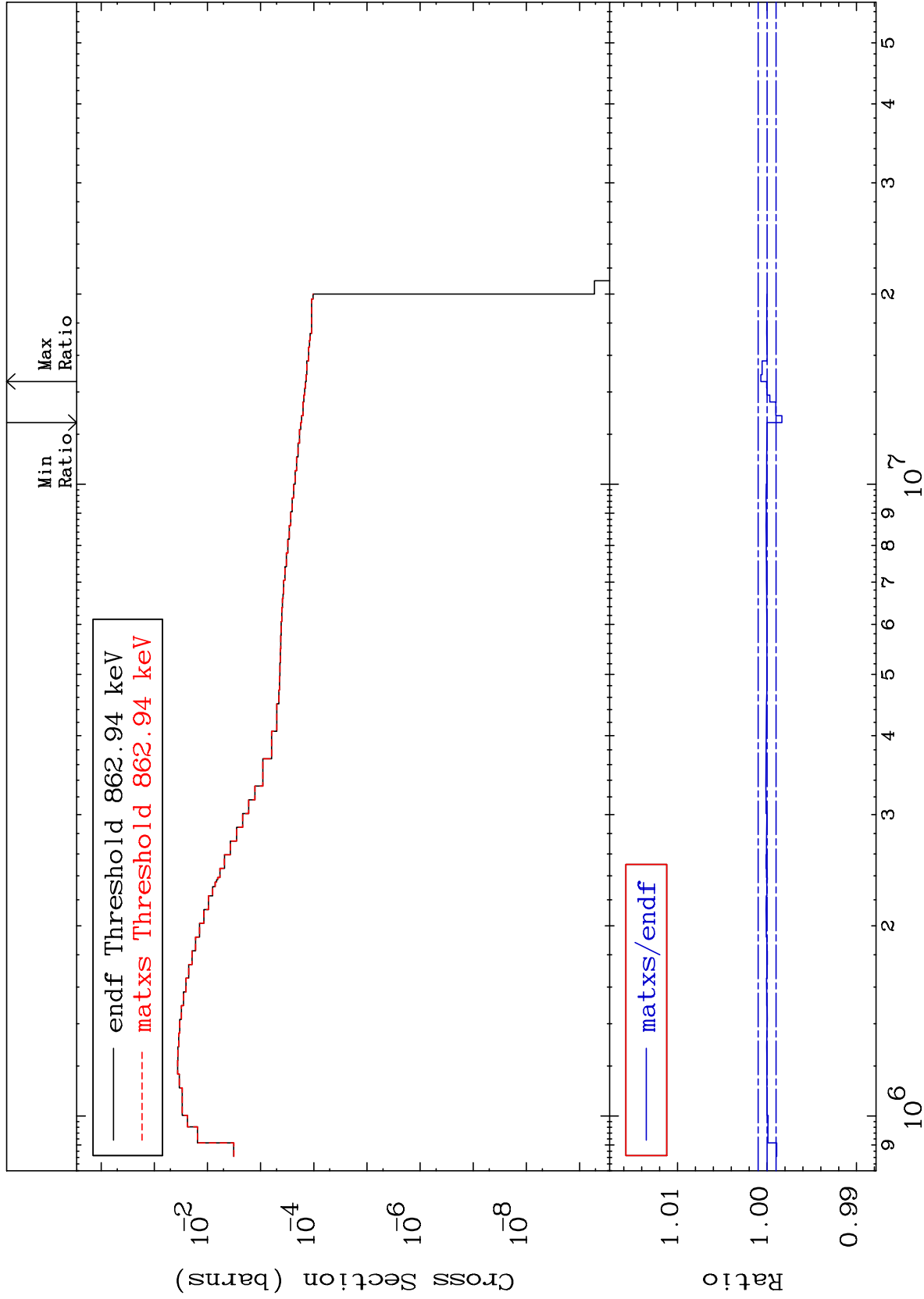
Incident Energy (eV)

⁷⁵Re-¹⁸⁵Re

MAT 7525

880.3 keV (n,n') Level
Cross Section

⁷⁵Re-185
-0.166 To 0.069 %



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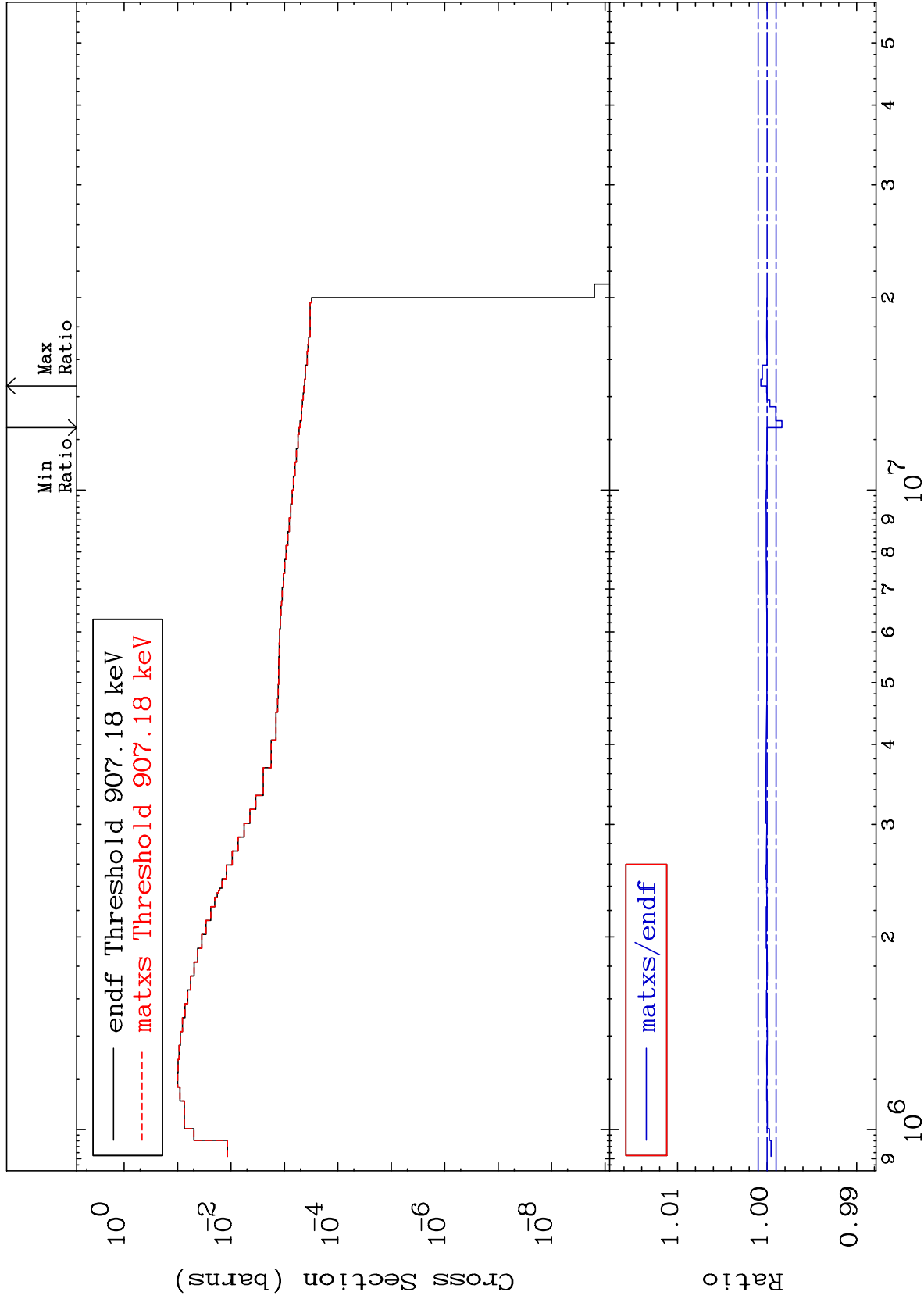
Incident Energy (eV)

⁷⁵Re-185

MAT 7525

917.0 keV (n,n') Level
Cross Section

⁷⁵Re-¹⁸⁵
-0.165 To 0.069 %



19

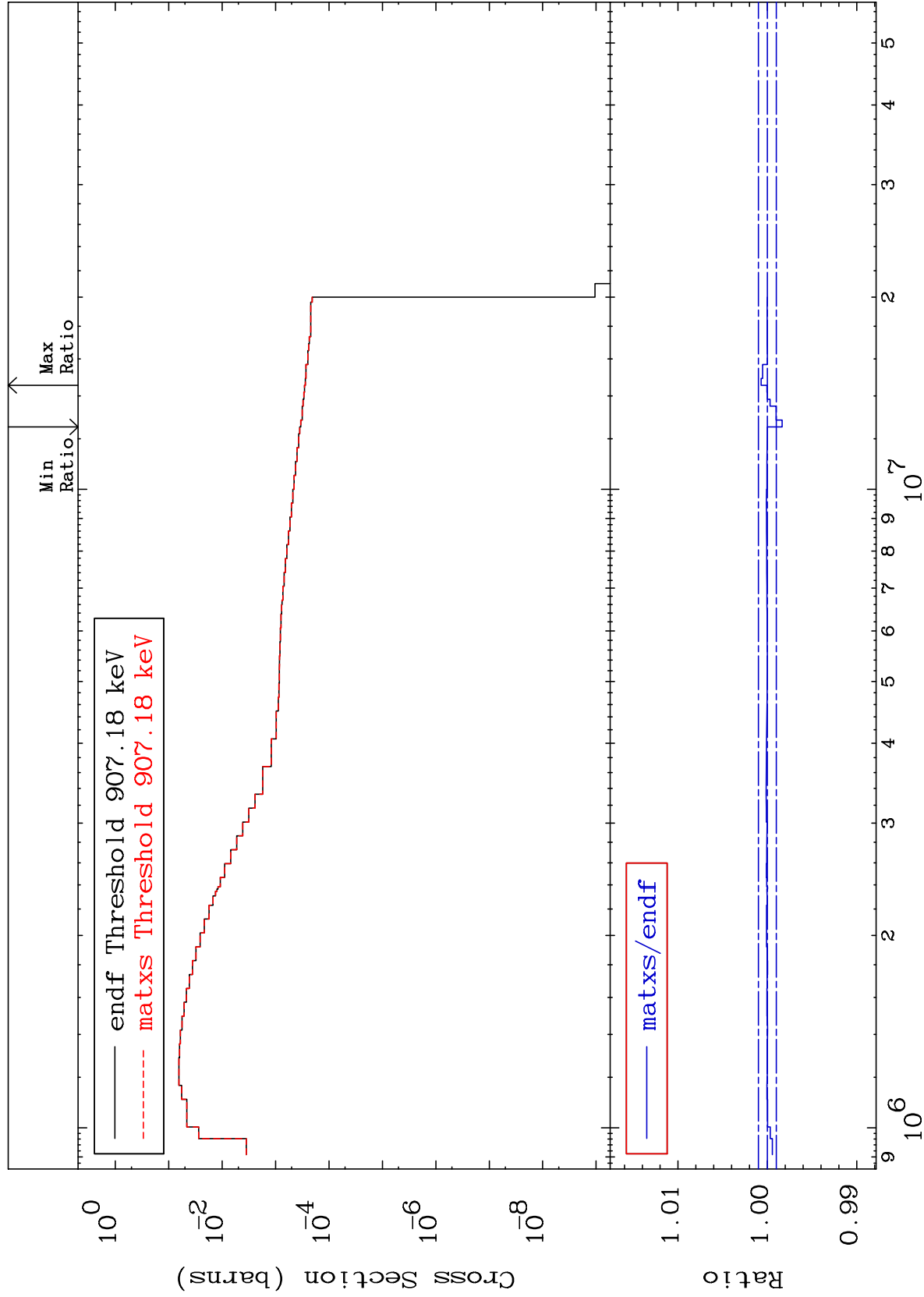
Incident Energy (eV)

⁷⁵Re-¹⁸⁵

MAT 7525

931.1 keV (n,n') Level
Cross Section

⁷⁵Re-¹⁸⁵Re
-0.165 To 0.069 %



20

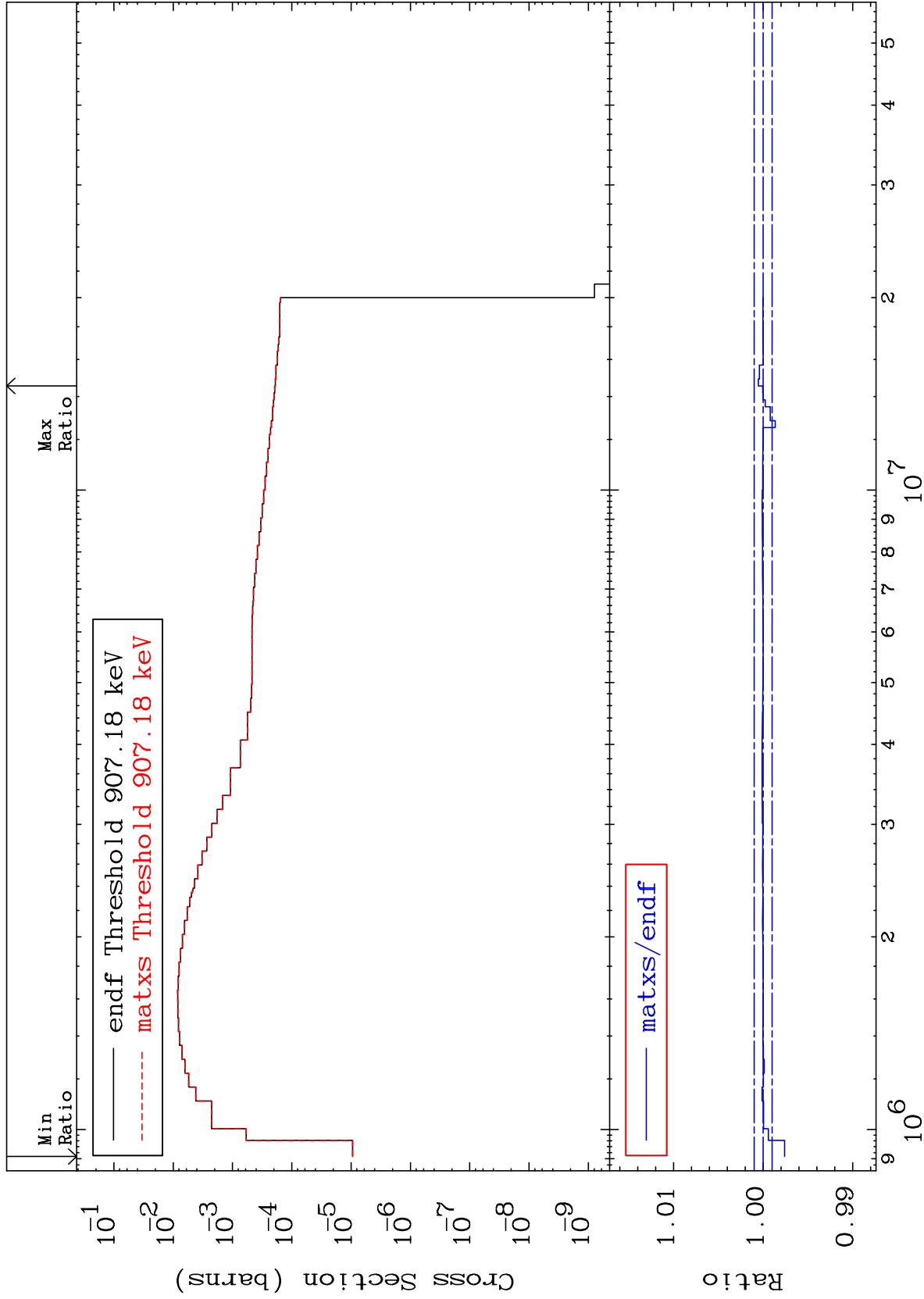
Incident Energy (eV)

⁷⁵Re-¹⁸⁵Re

MAT 7525

949.5 keV (n,n') Level
Cross Section

⁷⁵Re-¹⁸⁵Re
-0.239 To 0.054 %



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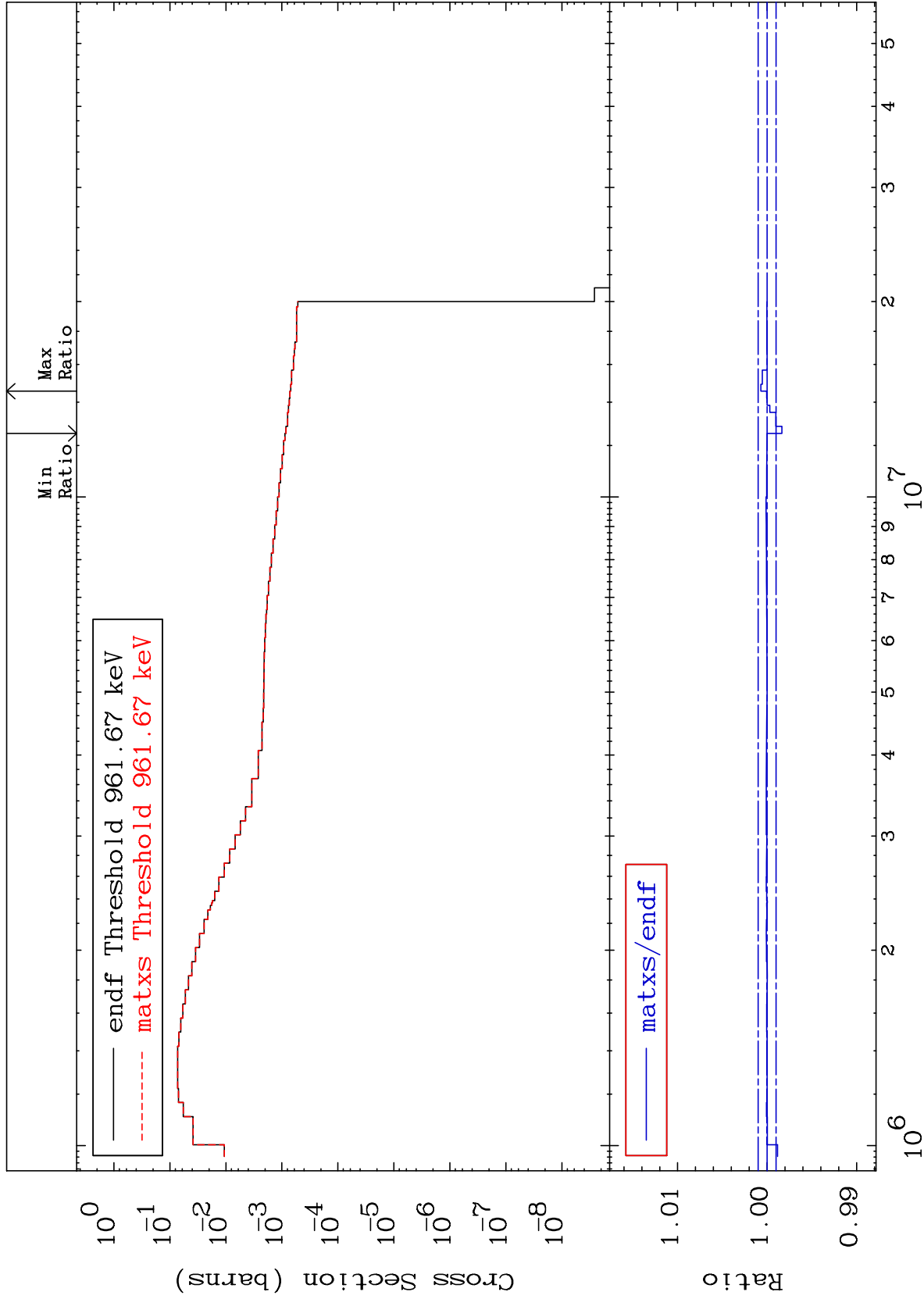
Incident Energy (eV)

⁷⁵Re-¹⁸⁵Re

MAT 7525

966.0 keV (n,n') Level
Cross Section

⁷⁵Re-¹⁸⁵Re
-0.165 To 0.069 %



22

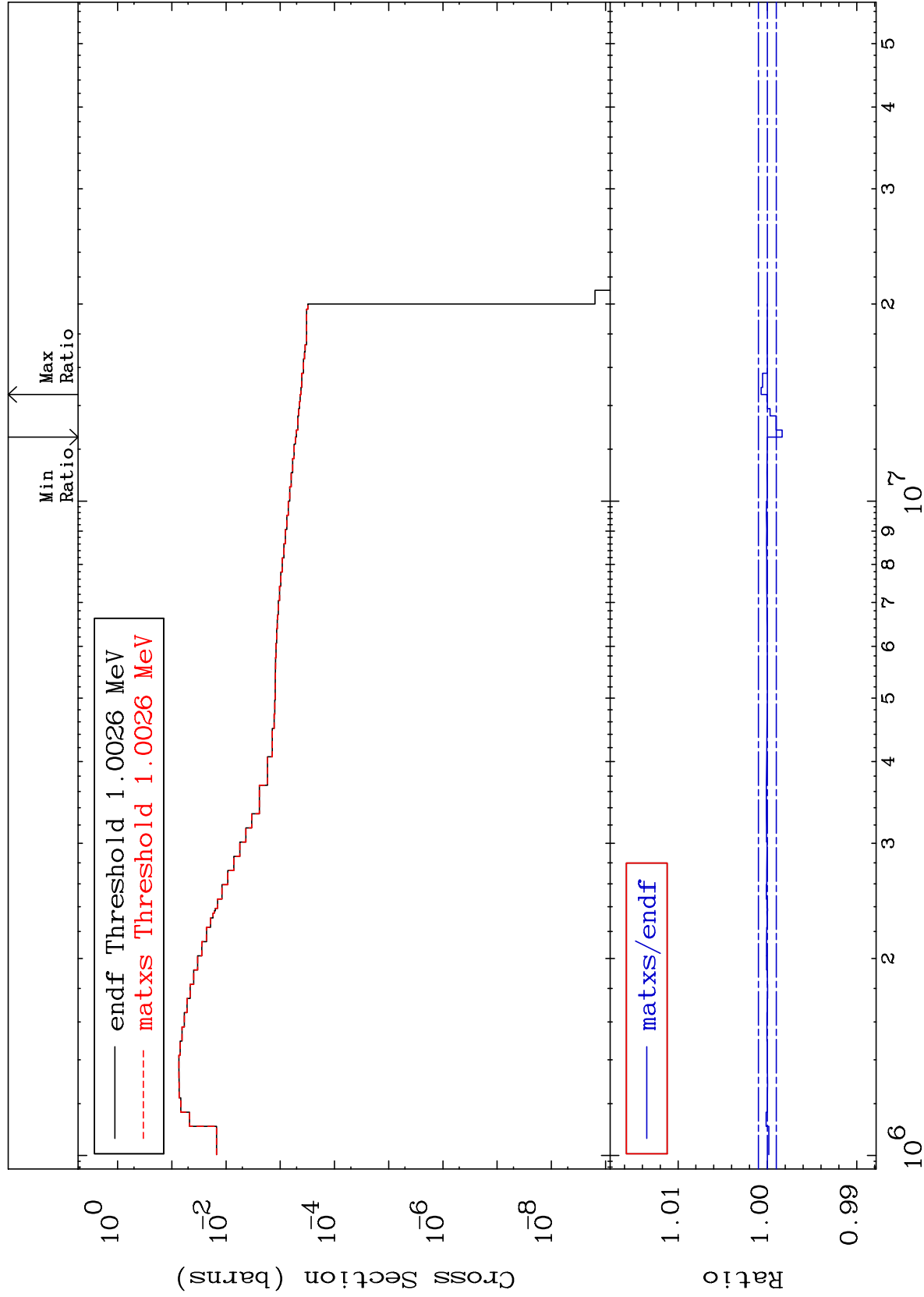
Incident Energy (eV)

⁷⁵Re-¹⁸⁵Re

MAT 7525

1.013 MeV (n,n') Level
Cross Section

⁷⁵Re-185
-0.164 To 0.069 %



23

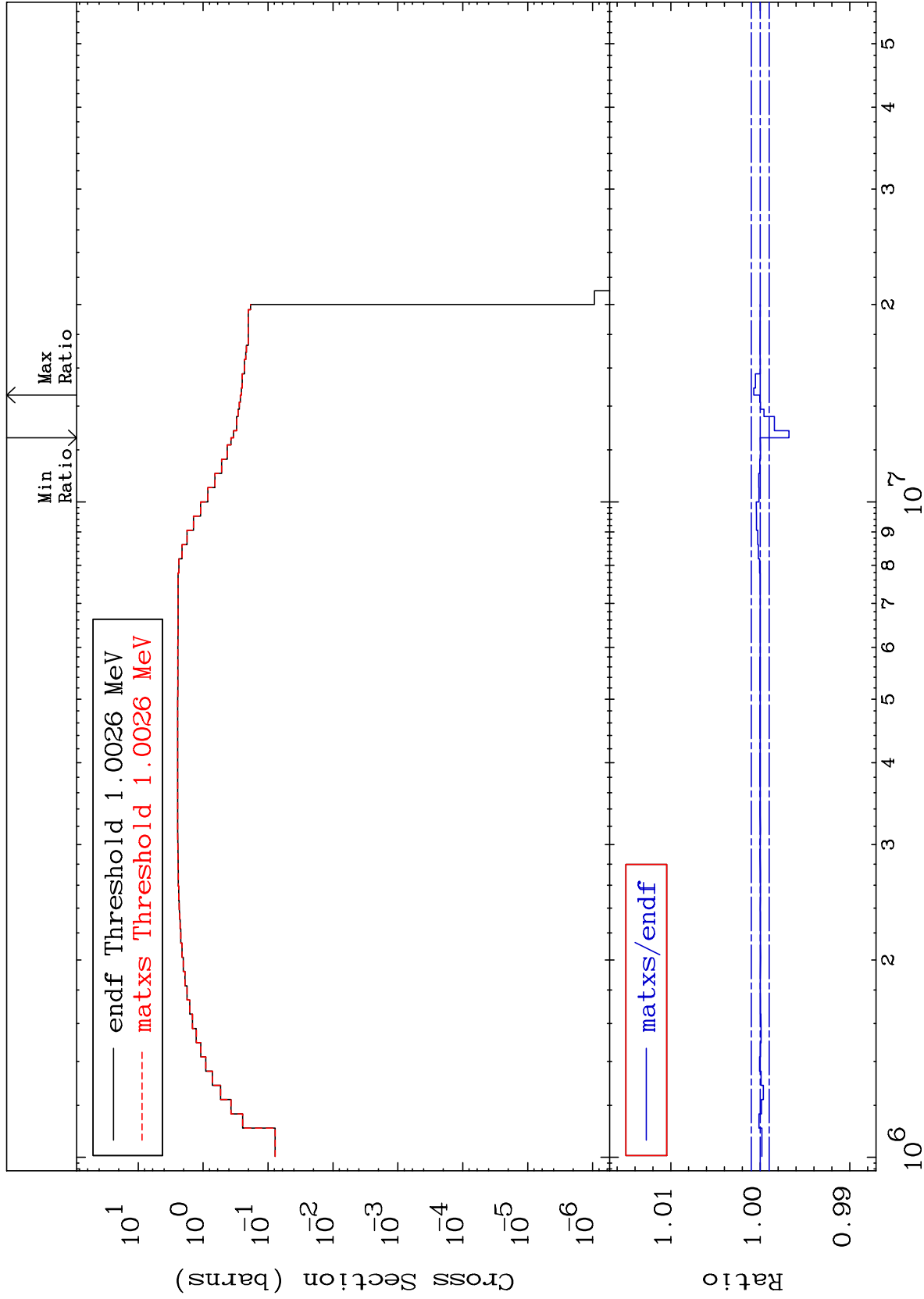
Incident Energy (eV)

⁷⁵Re-185

MAT 7525

(n, n') Continuum
Cross Section

⁷⁵Re-¹⁸⁵Re
-0.320 To 0.073 %



Incident Energy (eV)

⁷⁵Re-¹⁸⁵Re

24

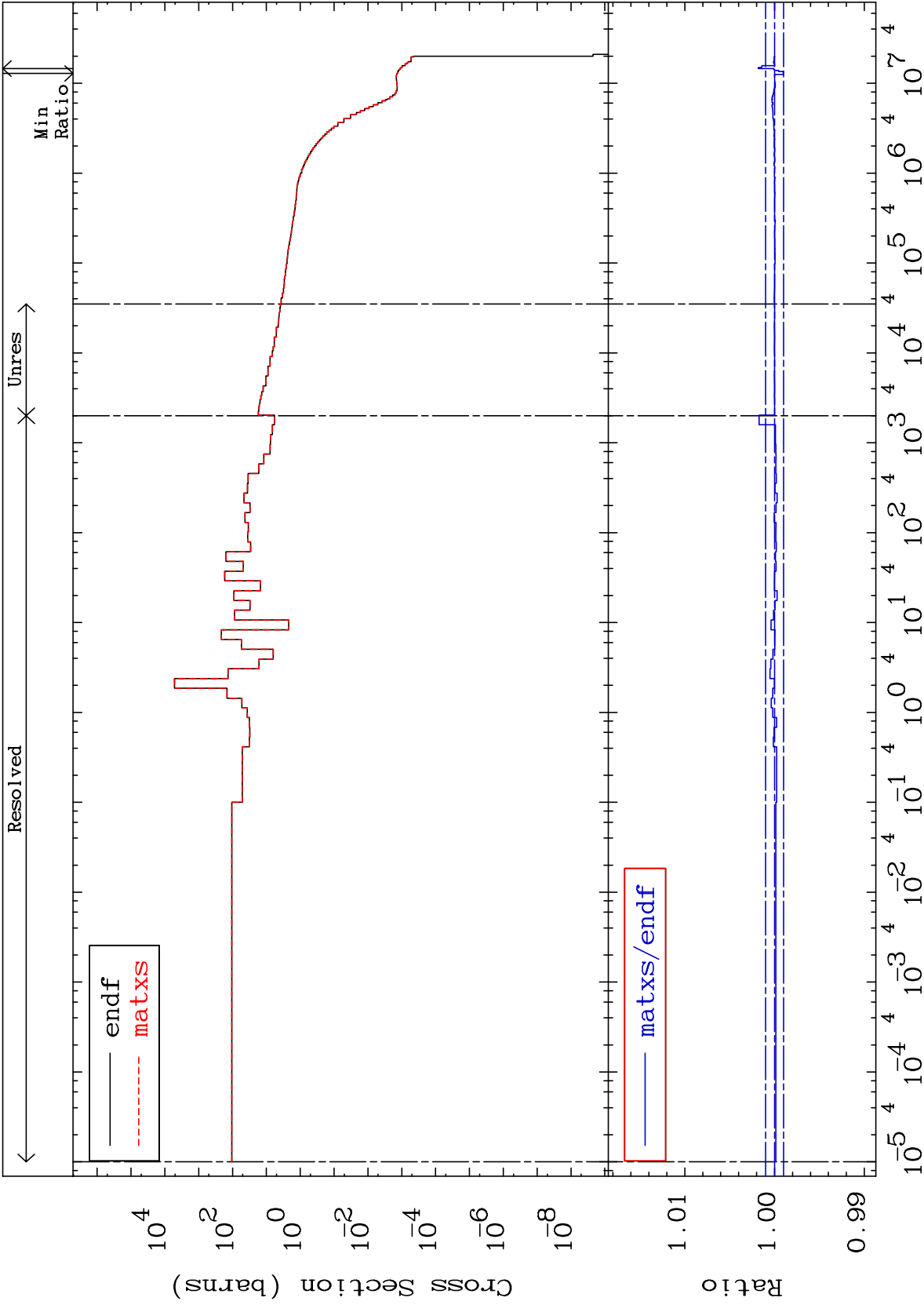
MAT 7525

(n, γ)

⁷⁵Re-185

Cross Section

-0.097 To 0.183 %



25

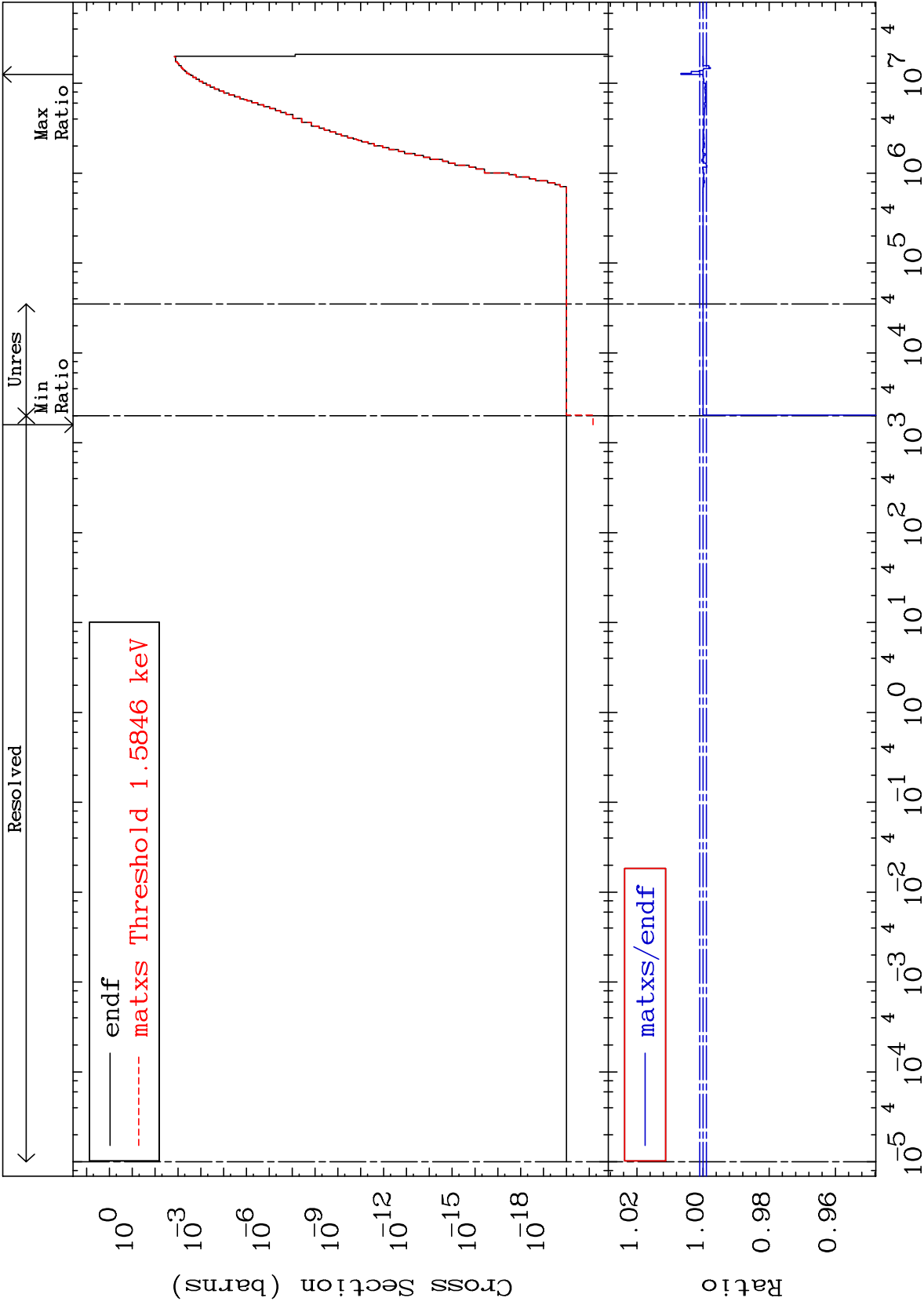
Incident Energy (eV)

⁷⁵Re-185

MAT 7525

(n,p)
Cross Section

75-Re-185
-93.12 To 0.668 %



MAT 7525

(n,d)

⁷⁵Re-185
-0.890 To 1.882 %

Cross Section

Min
Ratio

Max
Ratio

— endf Threshold 4.9658 MeV

- - - matxs Threshold 4.9658 MeV

10⁰
10⁻³
10⁻⁶
10⁻⁹
10⁻¹²
10⁻¹⁵
10⁻¹⁸
10⁻²¹

Cross Section (barns)

— matxs/endlf

1.02
1.01
1.00
0.99

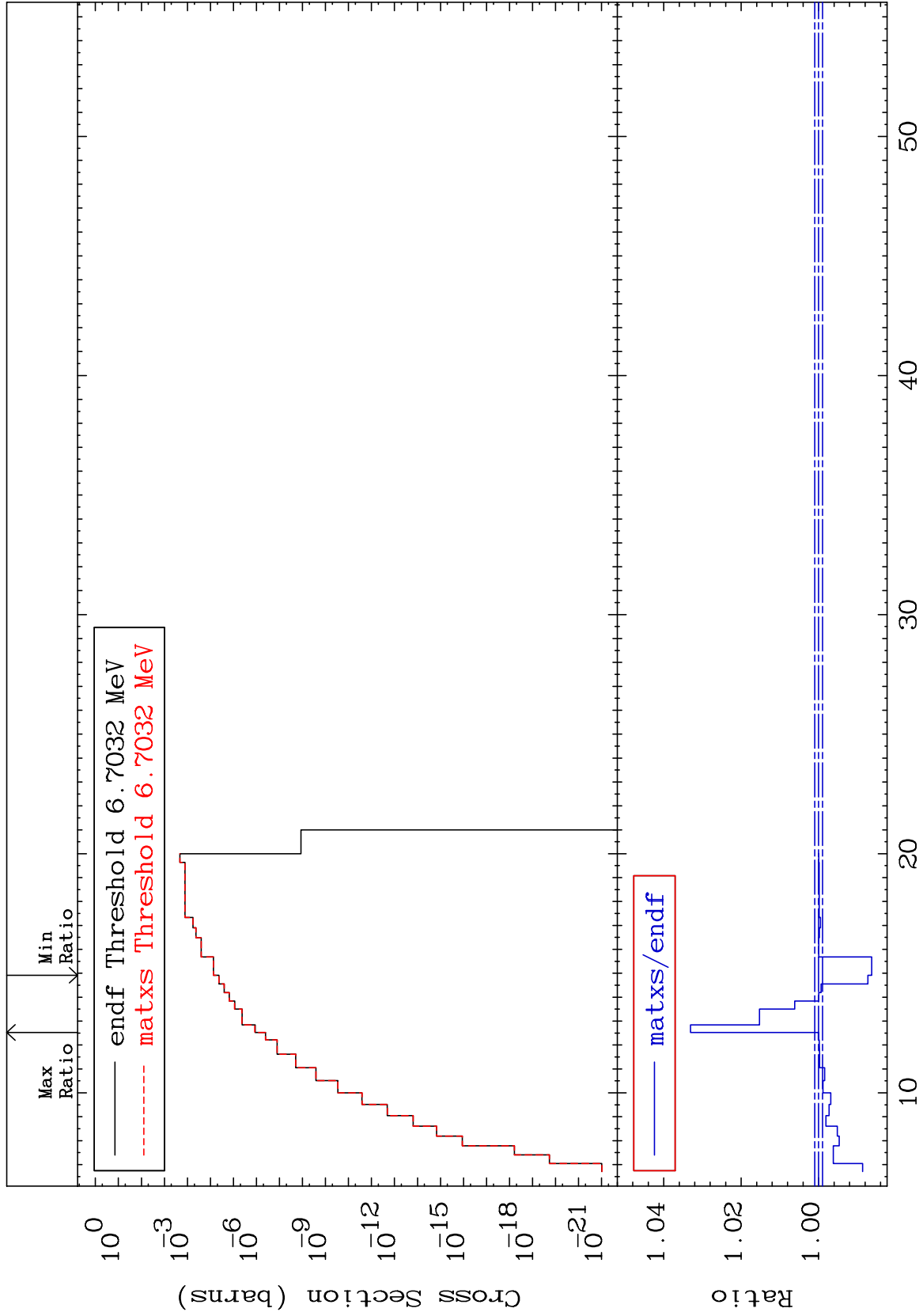
Ratio

10⁷

27

Incident Energy (eV)

⁷⁵Re-185



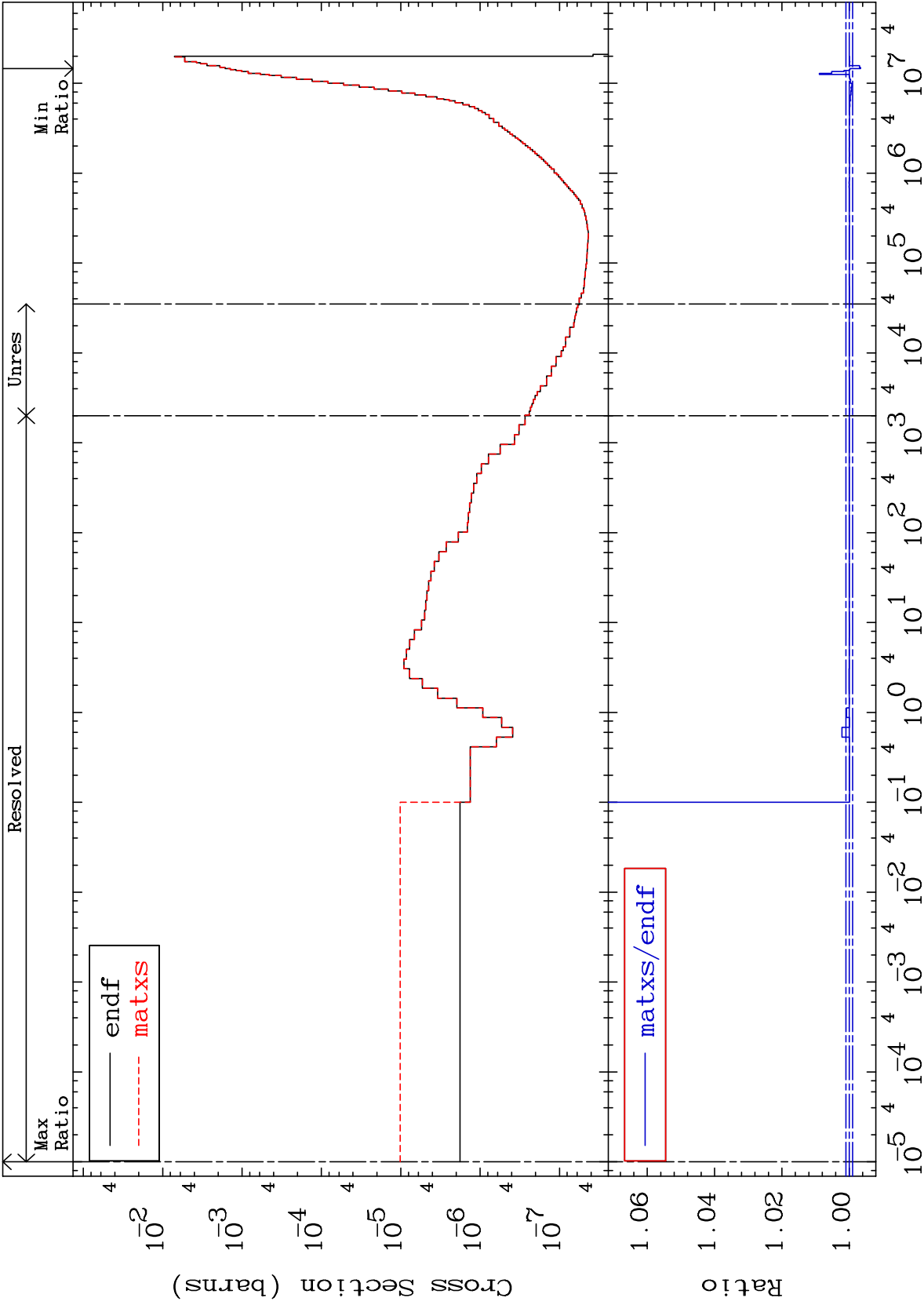
MAT 7525

(n, α)

75-Re-185

Cross Section

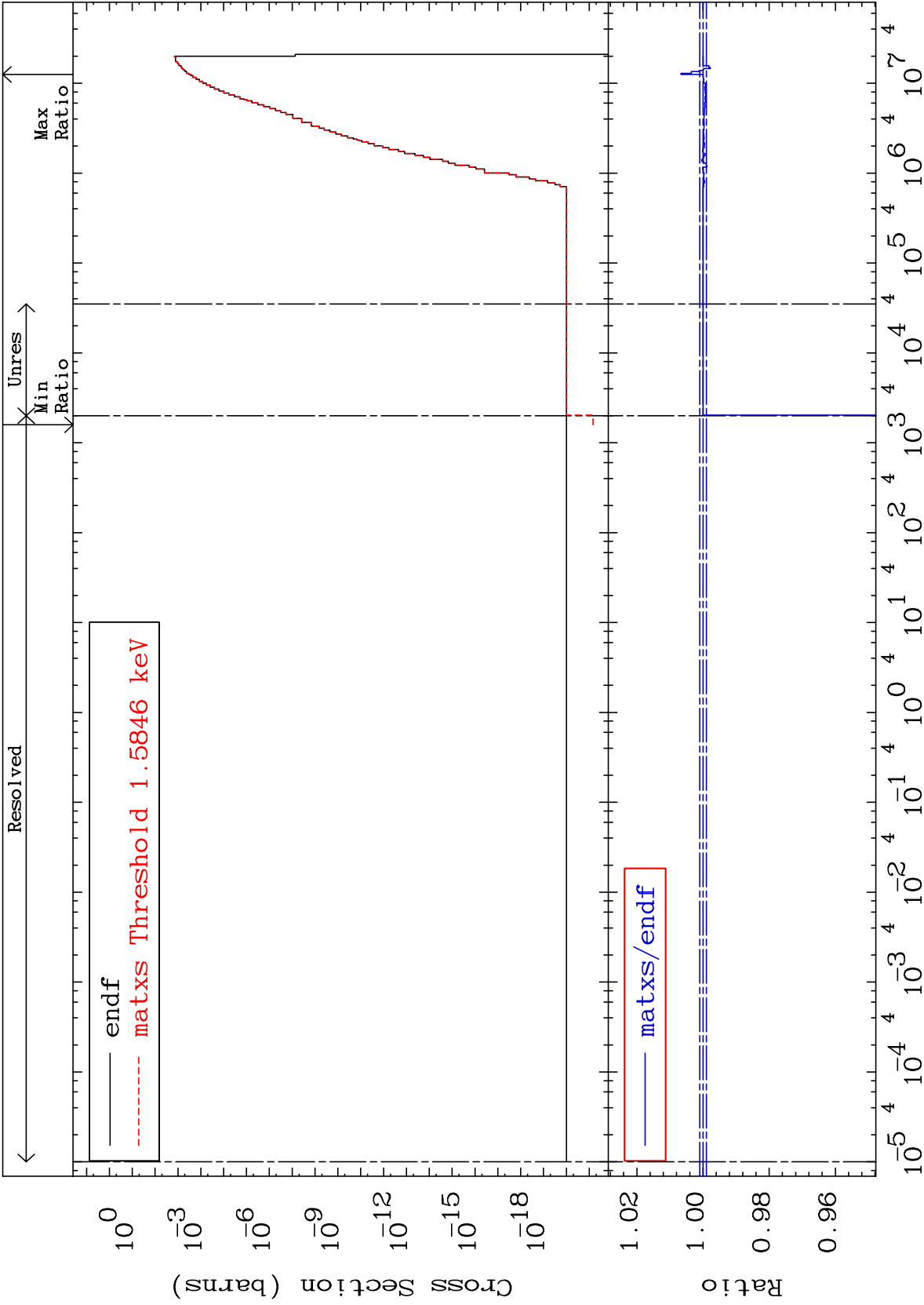
-0.337 To 469.4 %



MAT 7525

334.0 keV (n,p') Level
Cross Section

75-Re-185
-93.12 To 0.668 %



MAT 7525

270.4 keV (n, α') Level
Cross Section

75-Re-185
-0.337 To 469.4 %

