

Program Complot
(Version 2015-2)

by

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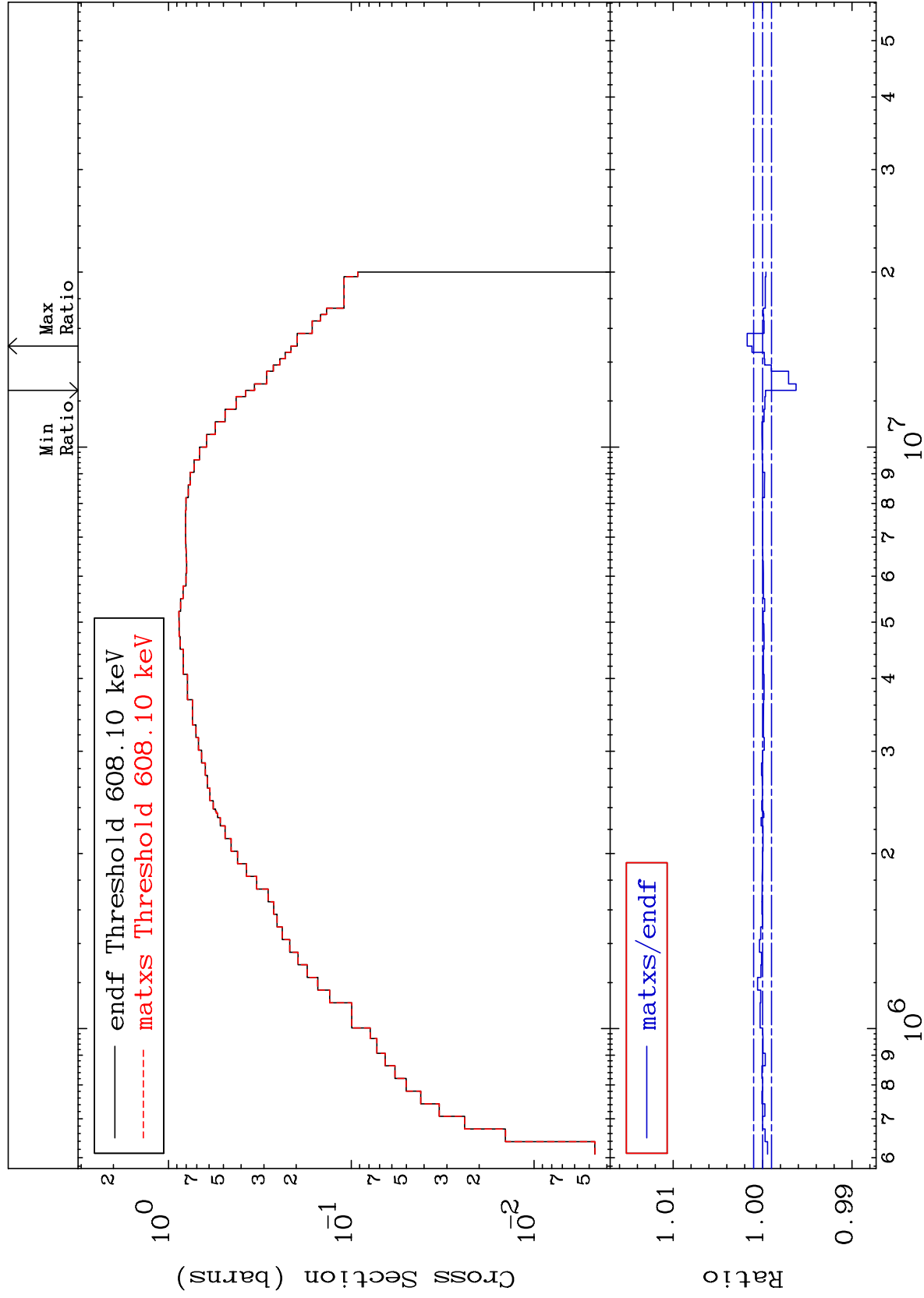
E.Mail: redcullen1@comcast.net
Web: home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 1228

Inelastic
Cross Section

12-Mg-25
-0.376 To 0.172 %



1

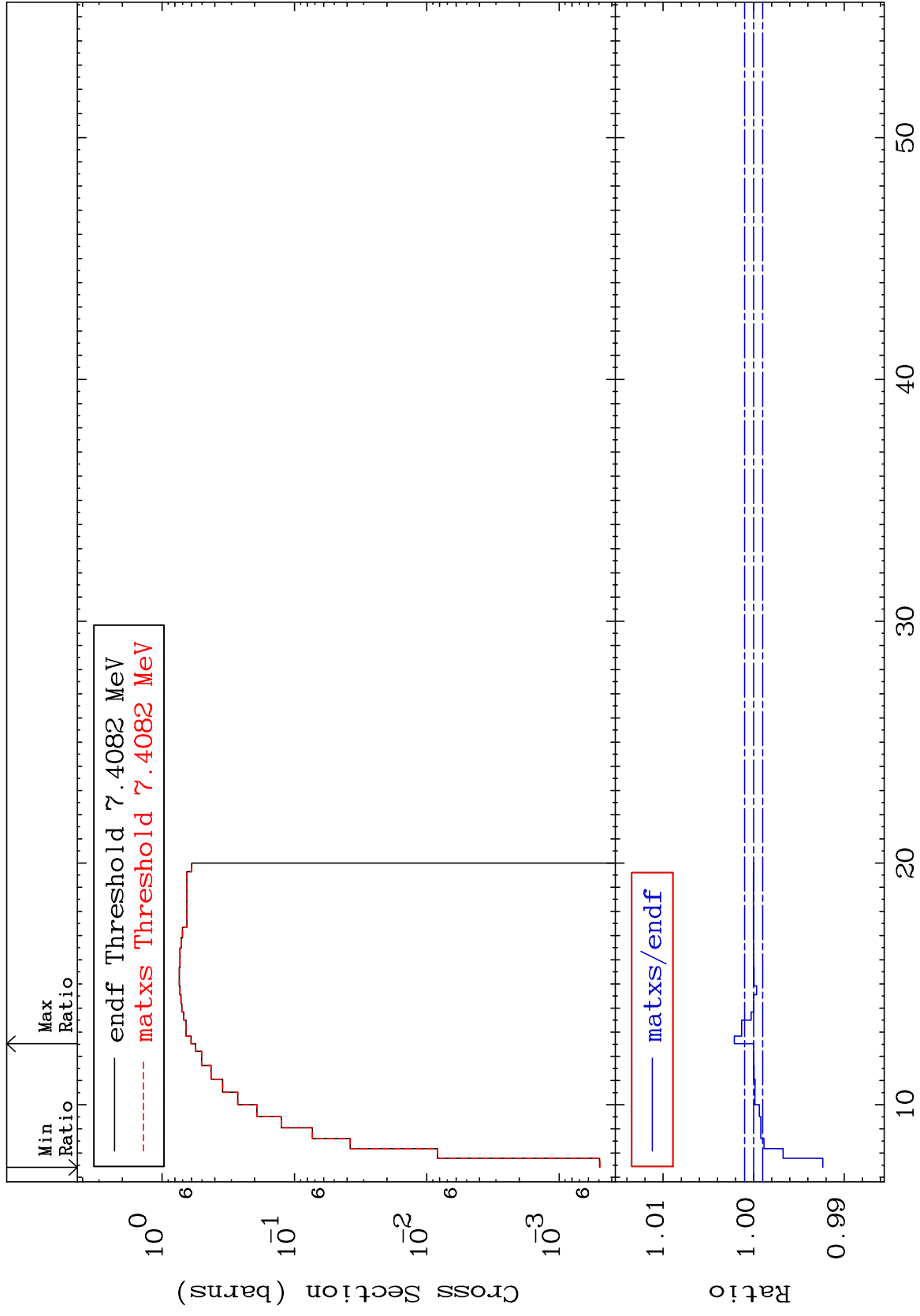
Incident Energy (eV)

12-Mg-25

MAT 1228

(n,2n)
Cross Section

12-Mg-25
-0.764 To 0.213 %



2

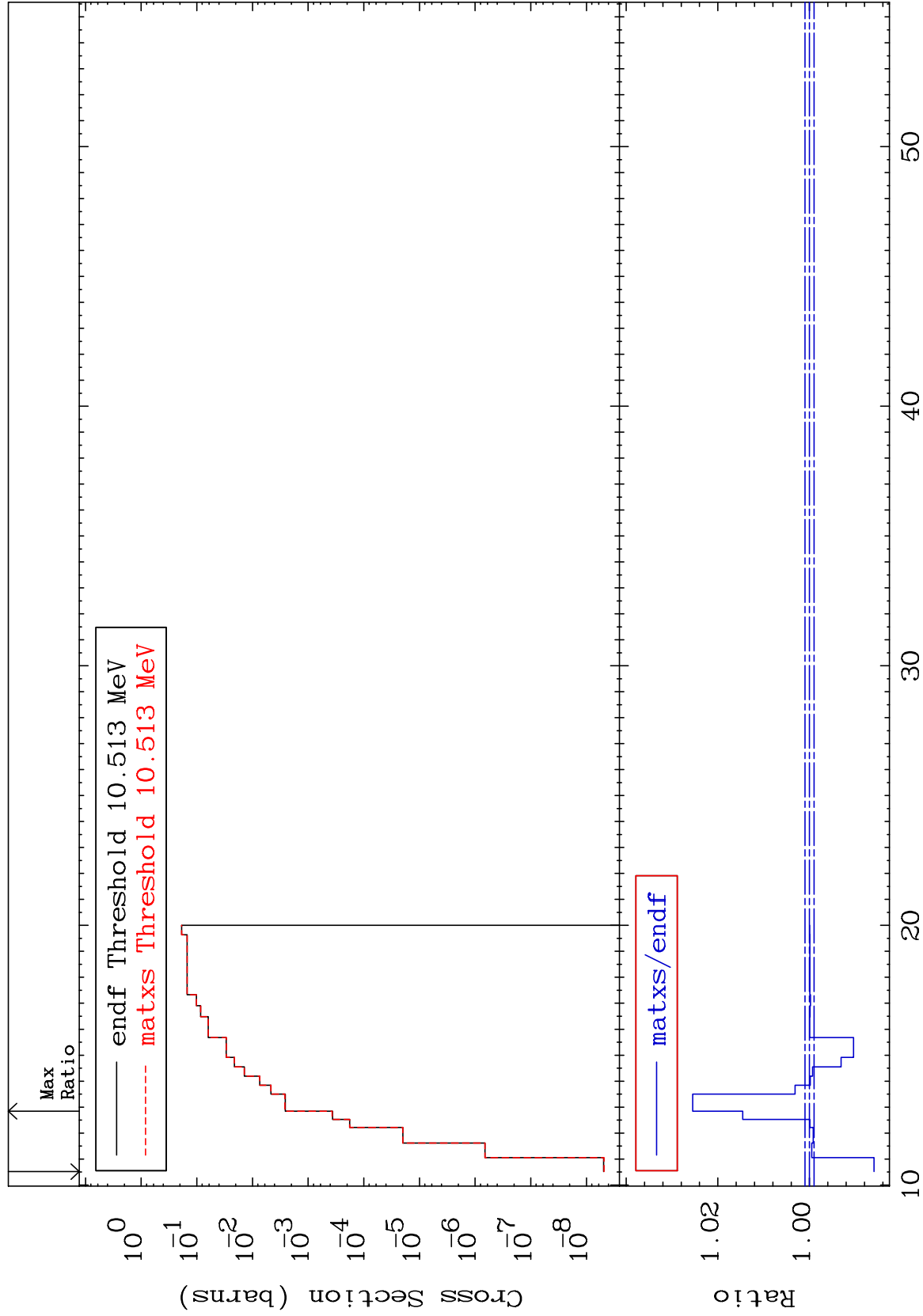
Incident Energy (MeV)

12-Mg-25

MAT 1228

(n, n') α
Cross Section

12-Mg-25
-1.408 To 2.548 %



3

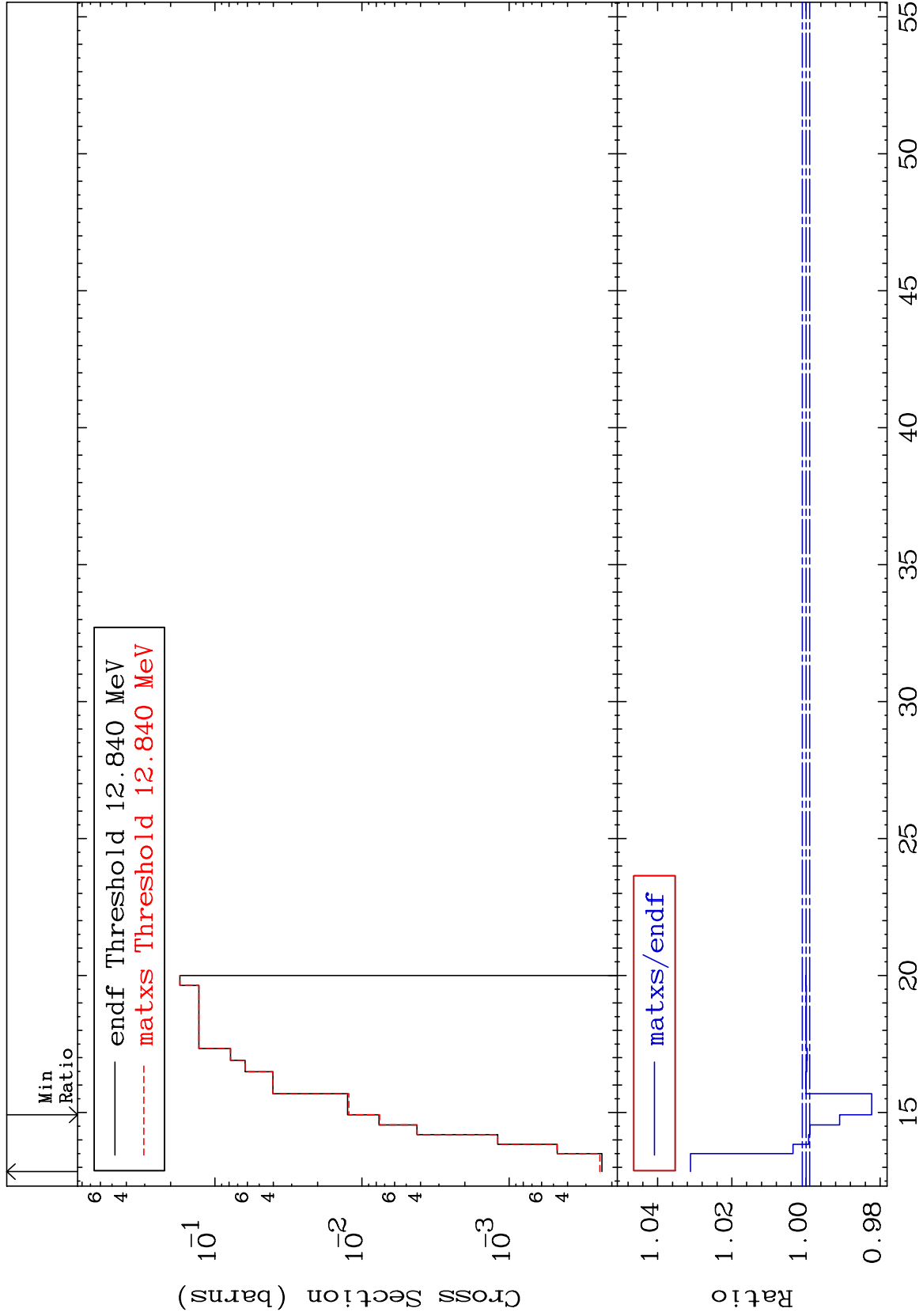
Incident Energy (MeV)

12-Mg-25

MAT 1228

(n, n') p
Cross Section

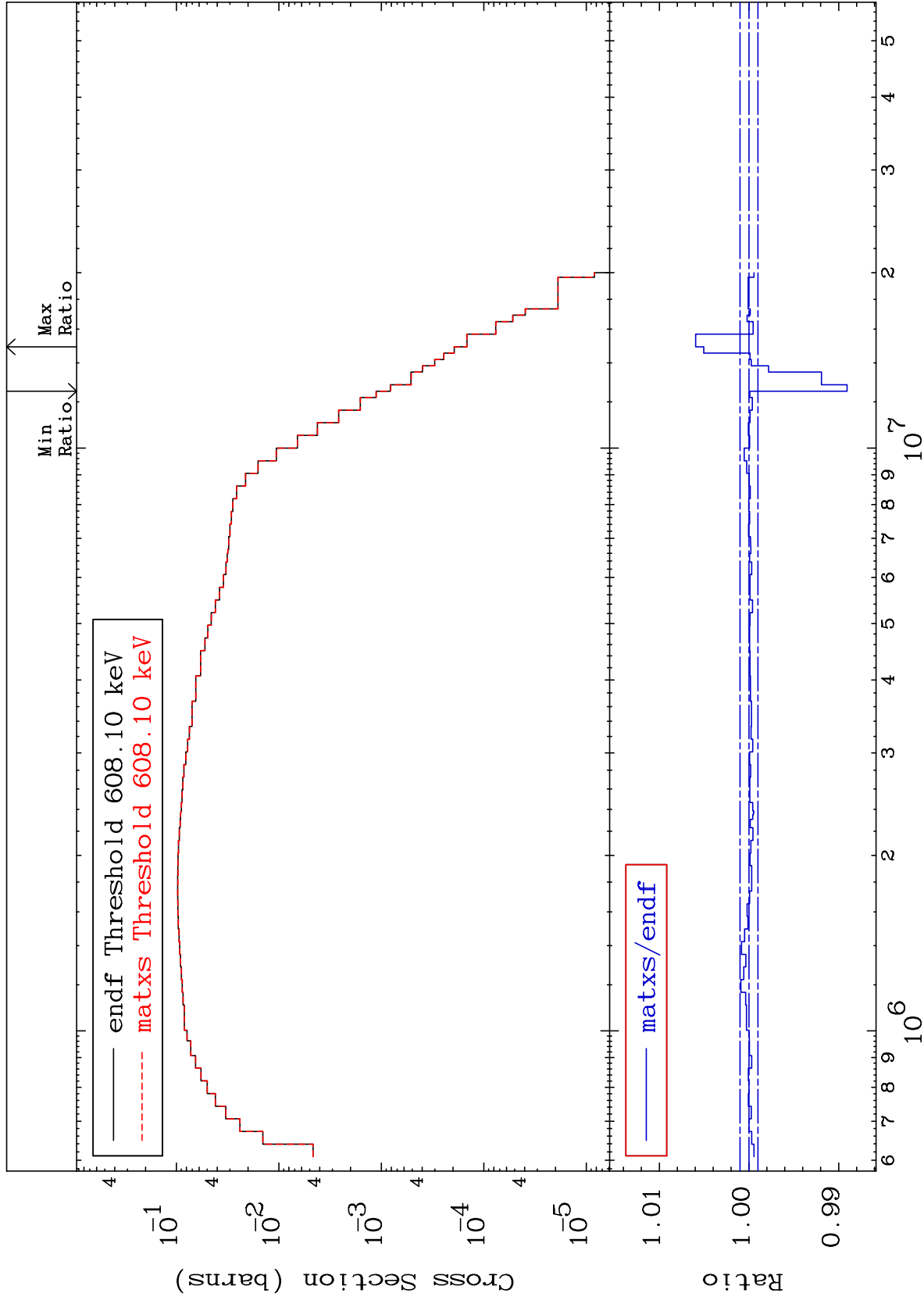
12-Mg-25
-1.772 To 3.114 %



MAT 1228

585.1 keV (n,n') Level
Cross Section

12-Mg-25
-1.095 To 0.595 %



5

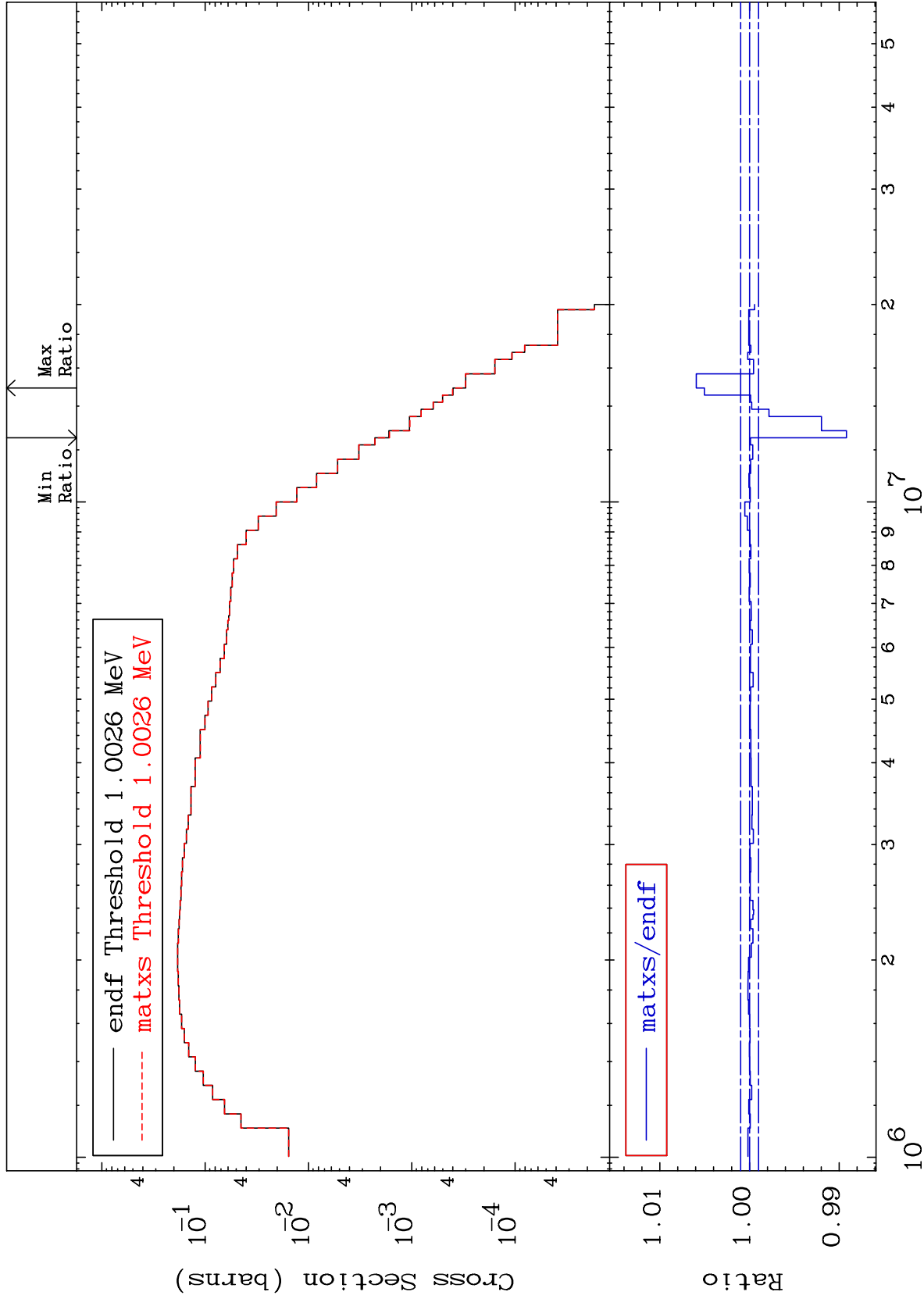
Incident Energy (eV)

12-Mg-25

MAT 1228

974.8 keV (n,n') Level
Cross Section

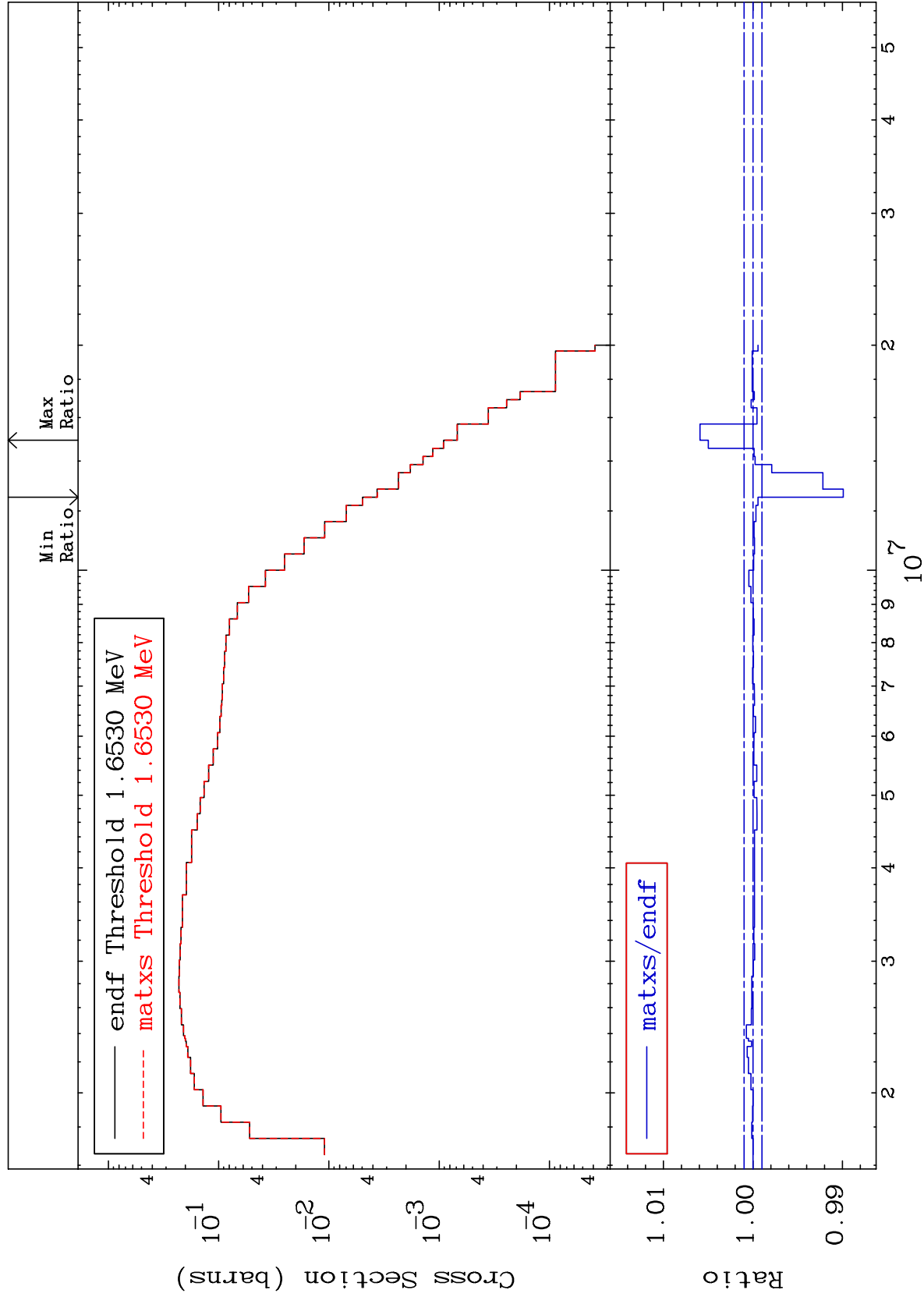
12-Mg-25
-1.082 To 0.594 %



MAT 1228

1.612 MeV (n,n') Level
Cross Section

12-Mg-25
-1.009 To 0.592 %



7

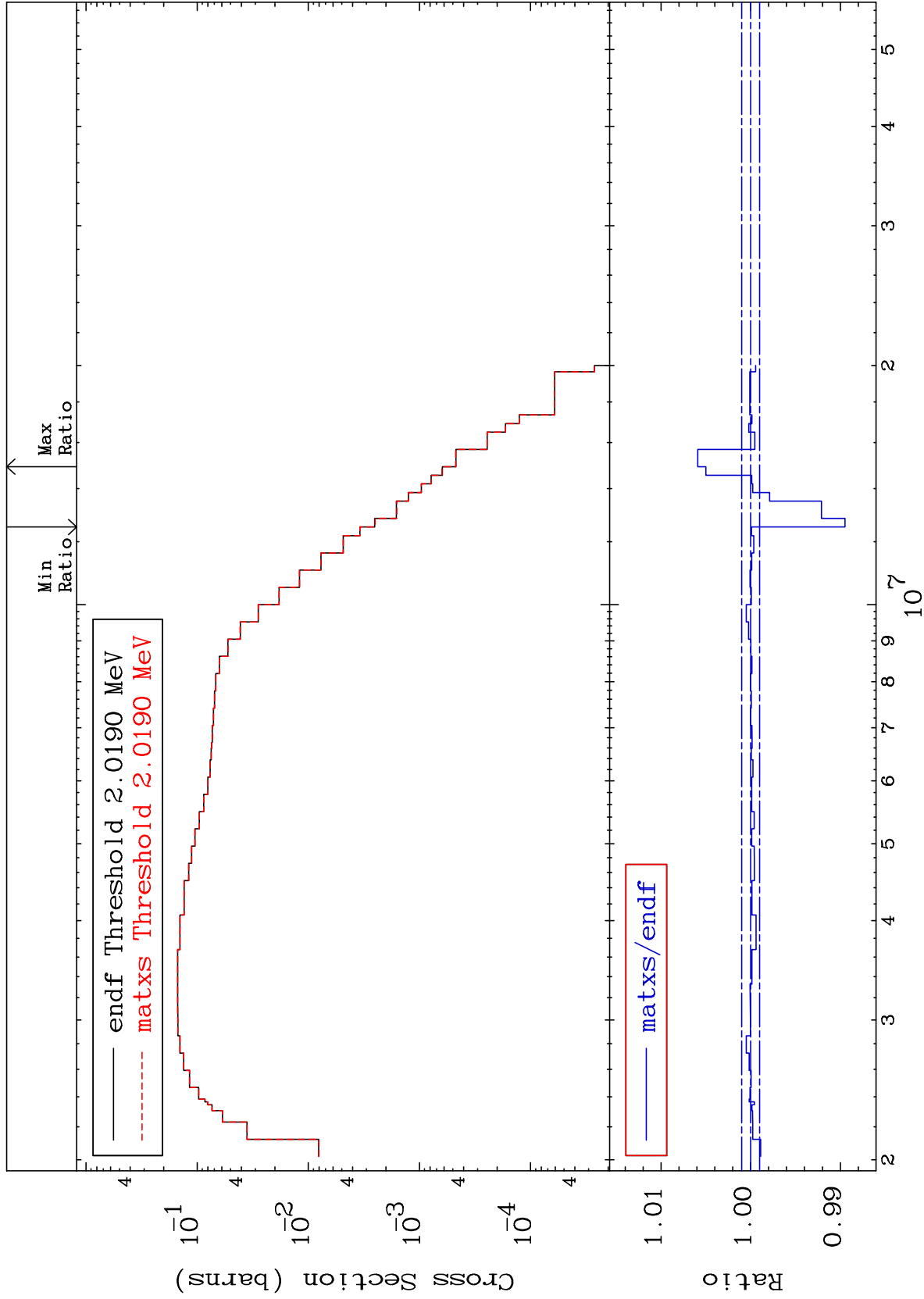
12-Mg-25

12-Mg-25

MAT 1228

1.965 MeV (n,n') Level
Cross Section

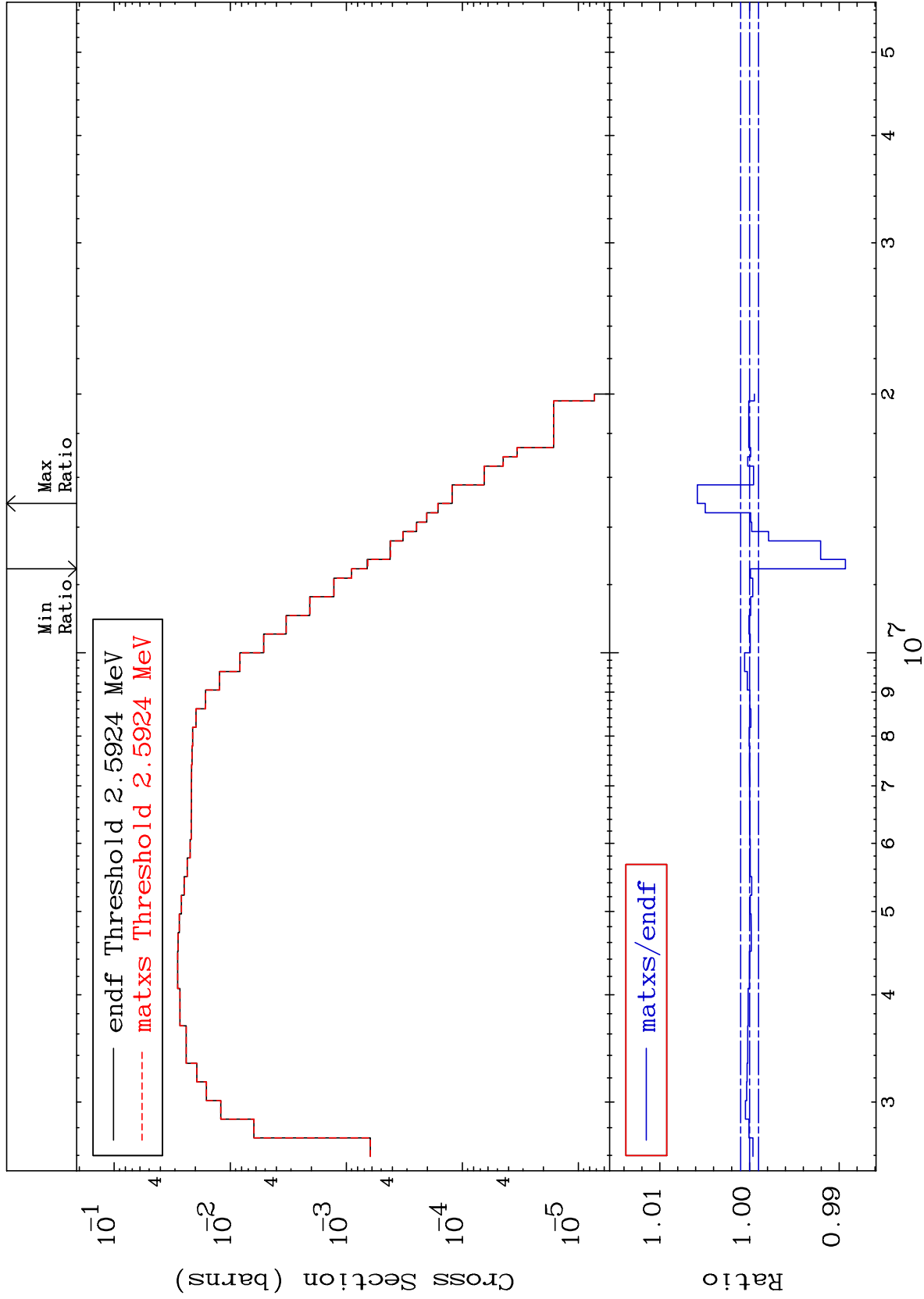
12-Mg-25
-1.053 To 0.591 %



MAT 1228

2.564 MeV (n,n') Level
Cross Section

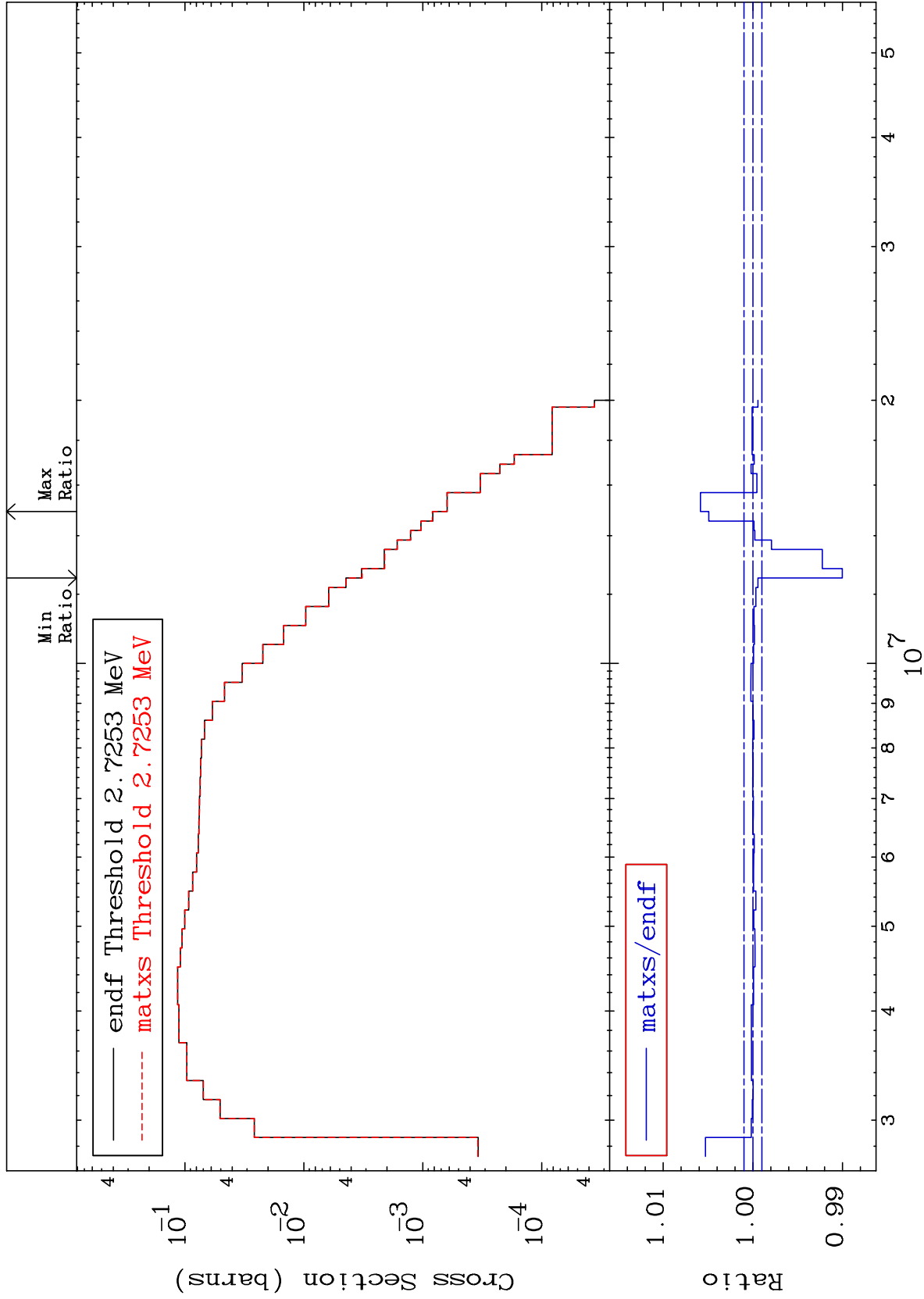
12-Mg-25
-1.071 To 0.583 %



MAT 1228

2.738 MeV (n,n') Level
Cross Section

12-Mg-25
-0.998 To 0.585 %



10

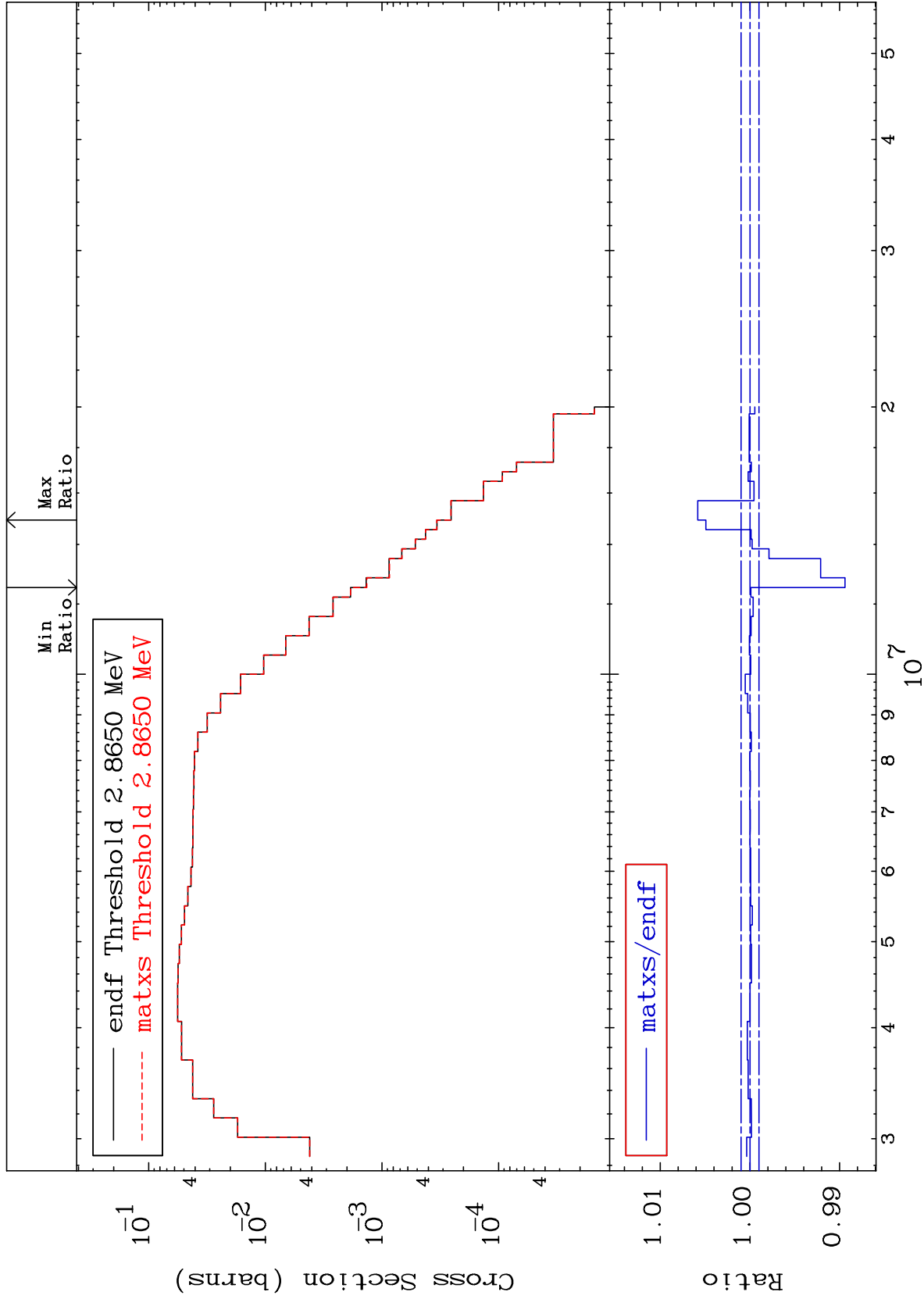
Incident Energy (eV)

12-Mg-25

MAT 1228

2.801 MeV (n,n') Level
Cross Section

12-Mg-25
-1.061 To 0.583 %



11

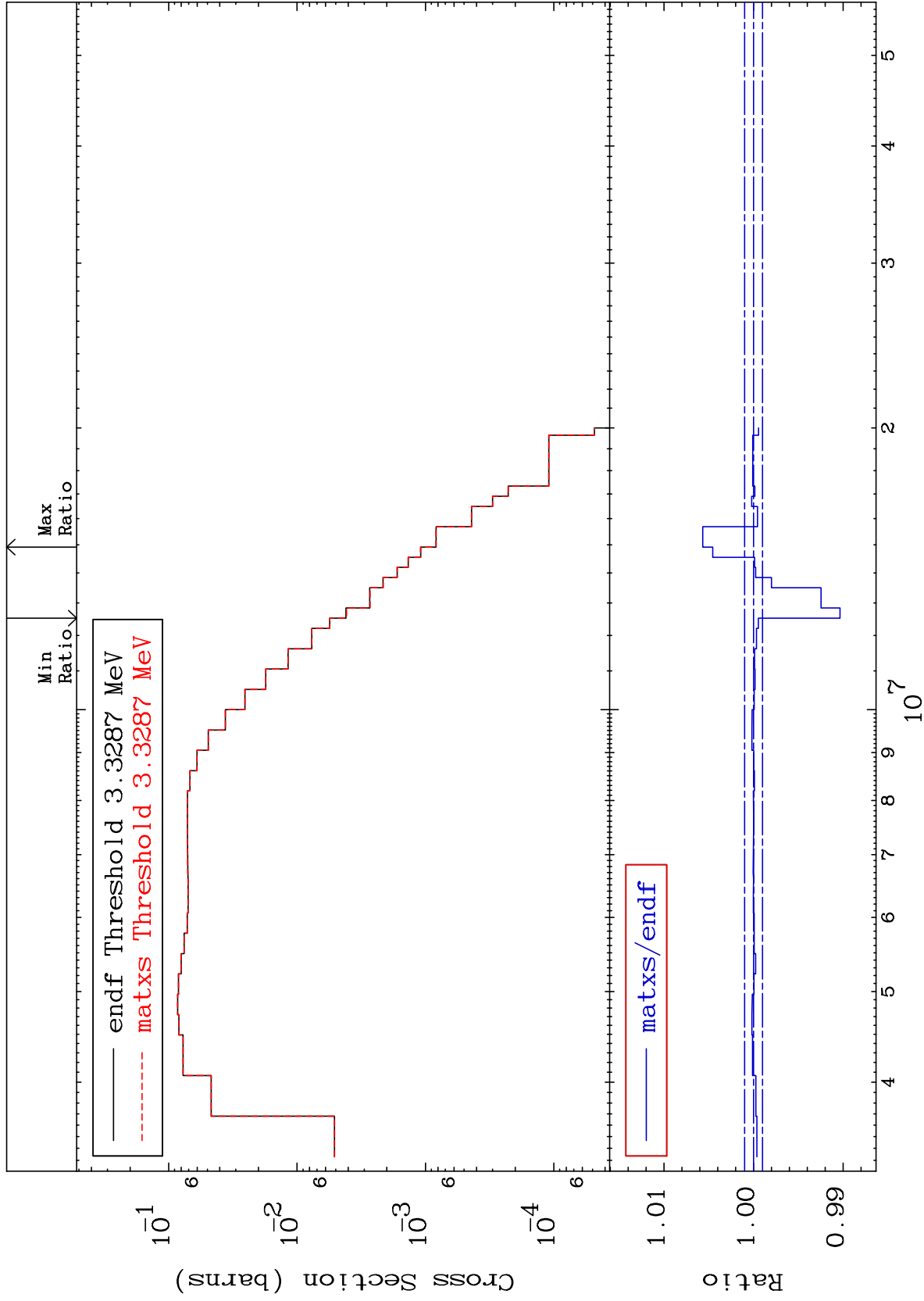
Incident Energy (eV)

12-Mg-25

MAT 1228

3.405 MeV (n,n') Level
Cross Section

12-Mg-25
-0.965 To 0.567 %



12

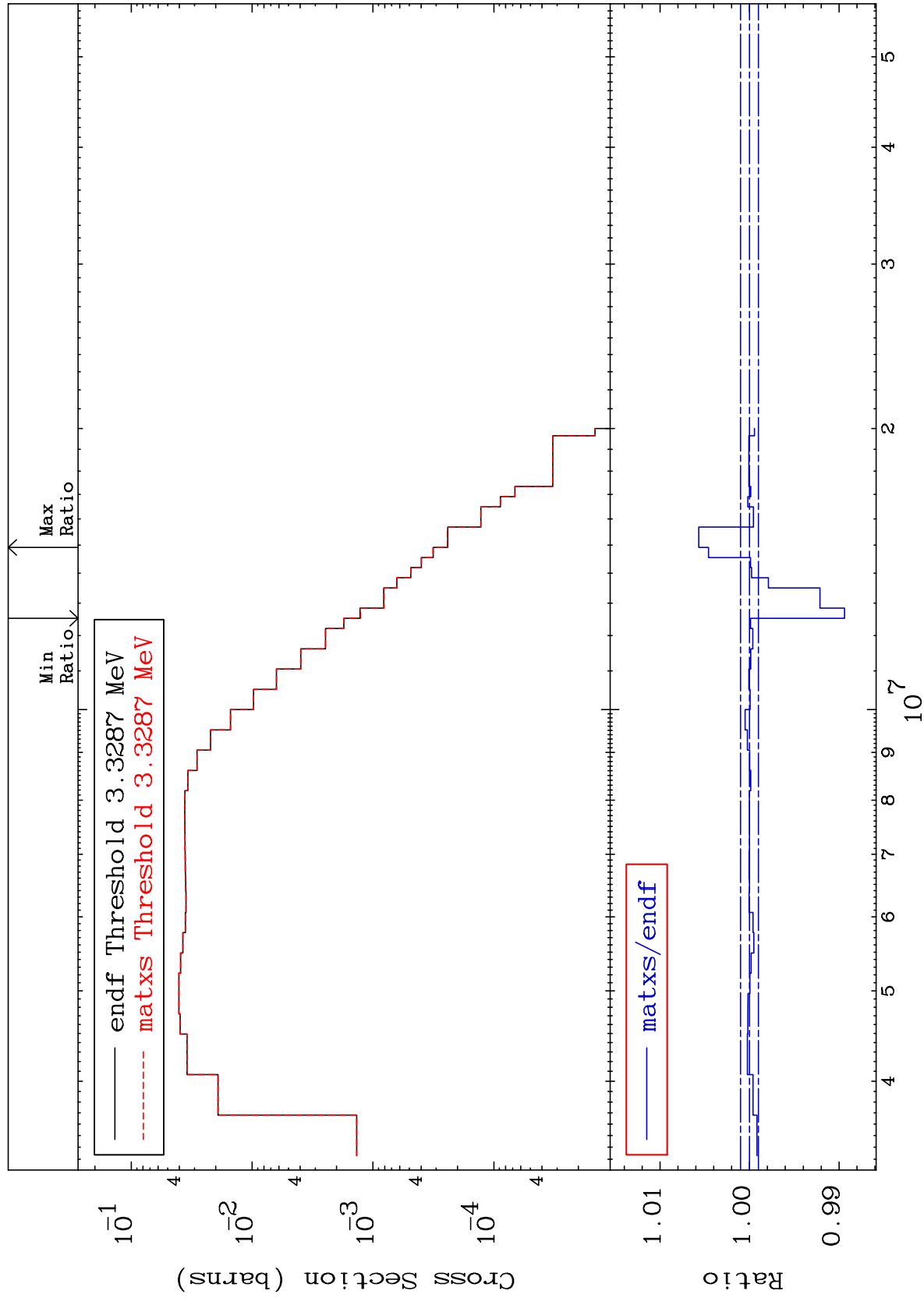
Incident Energy (eV)

12-Mg-25

MAT 1228

3.414 MeV (n,n') Level
Cross Section

12-Mg-25
-1.061 To 0.567 %



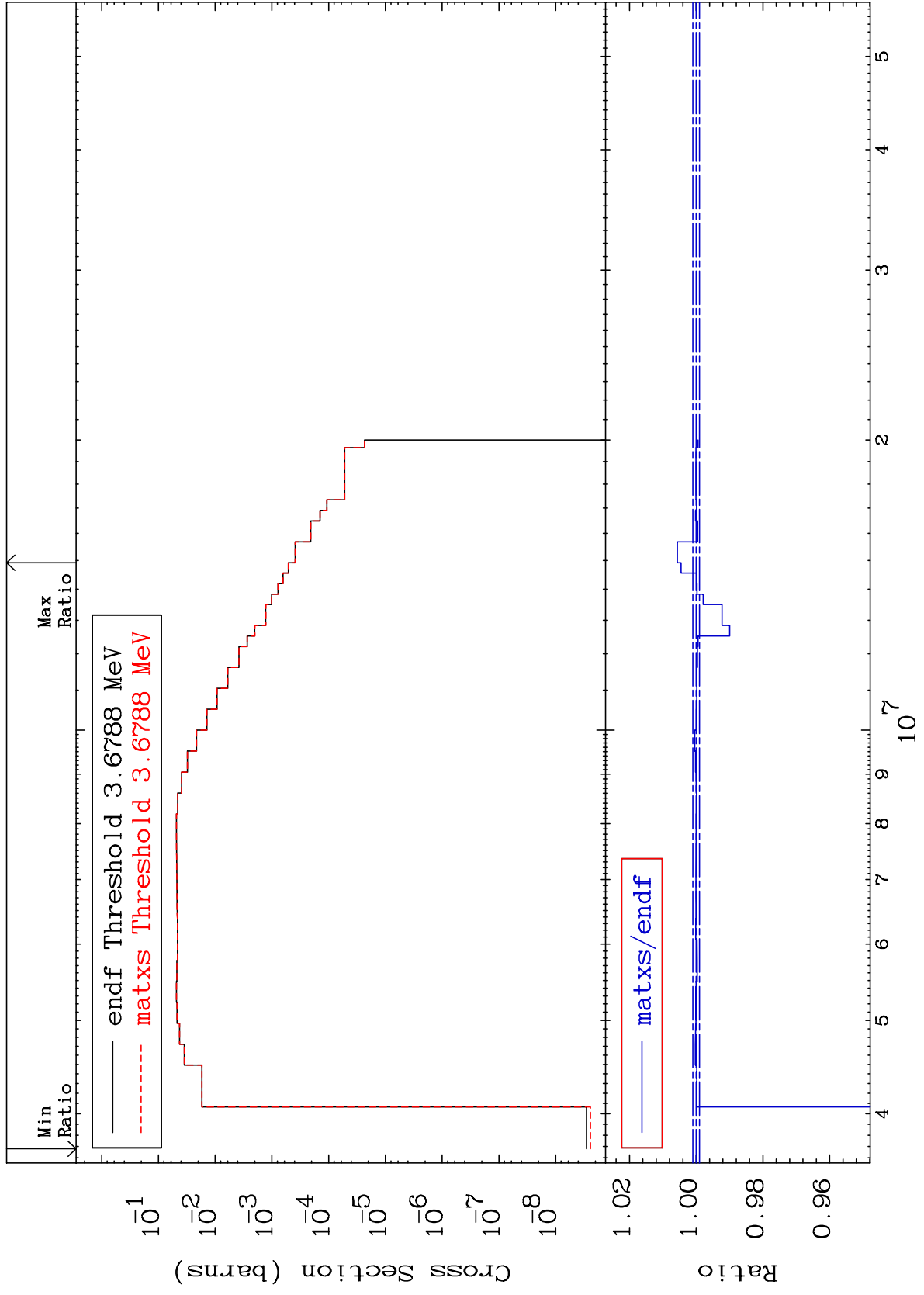
13

12-Mg-25

MAT 1228

3.908 MeV (n,n') Level
Cross Section

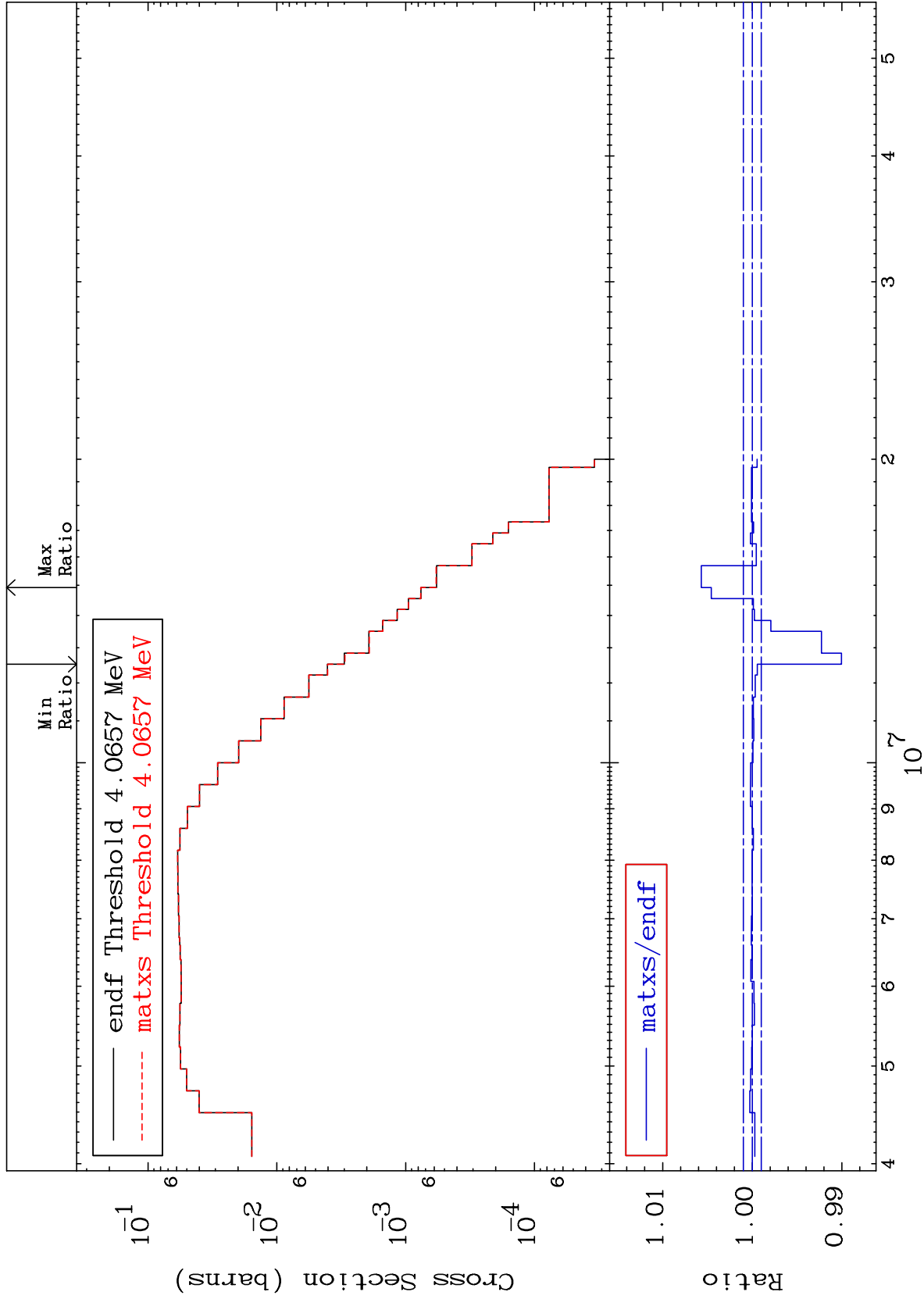
12-Mg-25
-14.45 To 0.564 %



MAT 1228

3.971 MeV (n,n') Level
Cross Section

12-Mg-25
-0.994 To 0.568 %



15

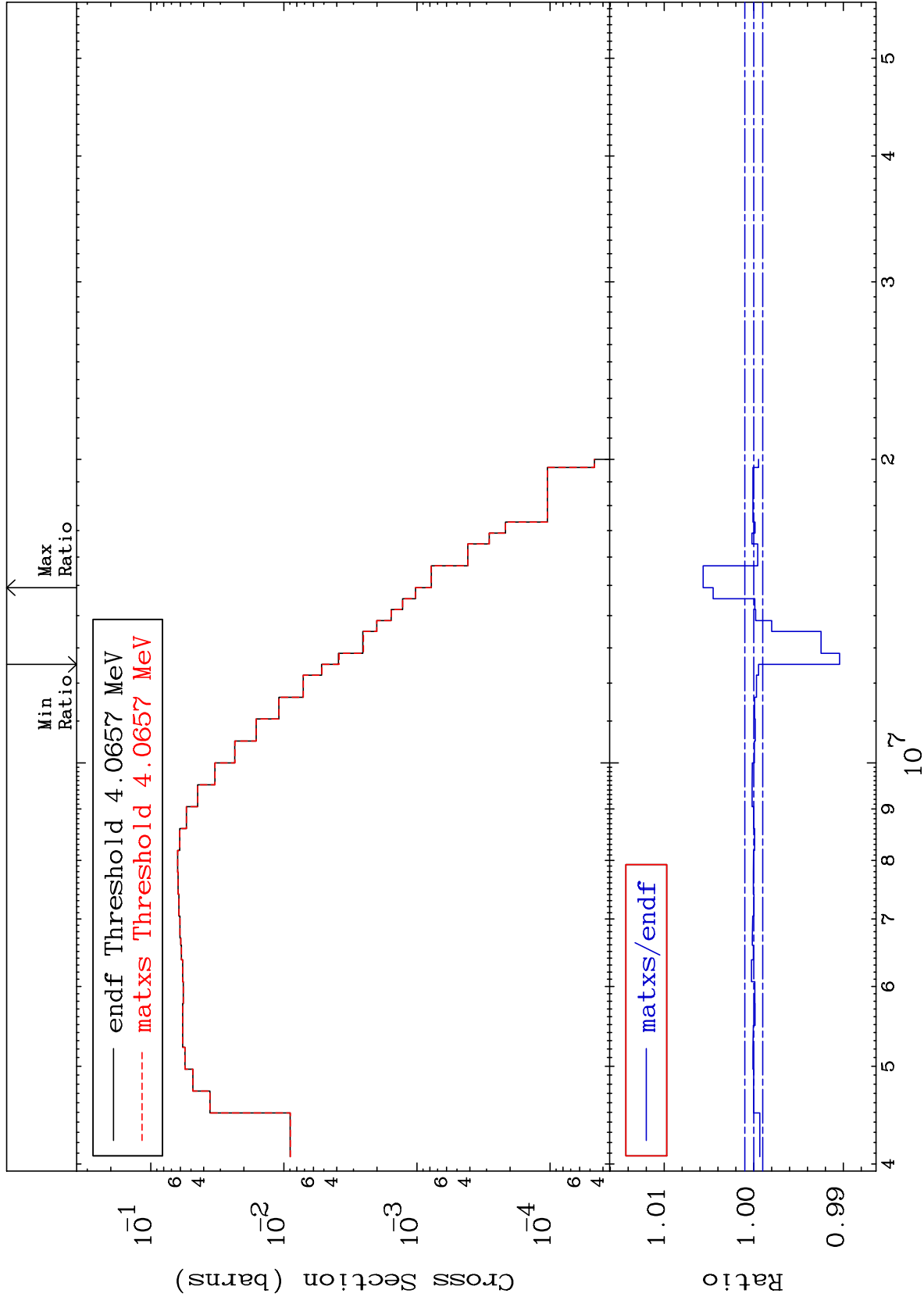
Incident Energy (eV)

12-Mg-25

MAT 1228

4.060 MeV (n,n') Level
Cross Section

12-Mg-25
-0.958 To 0.564 %



16

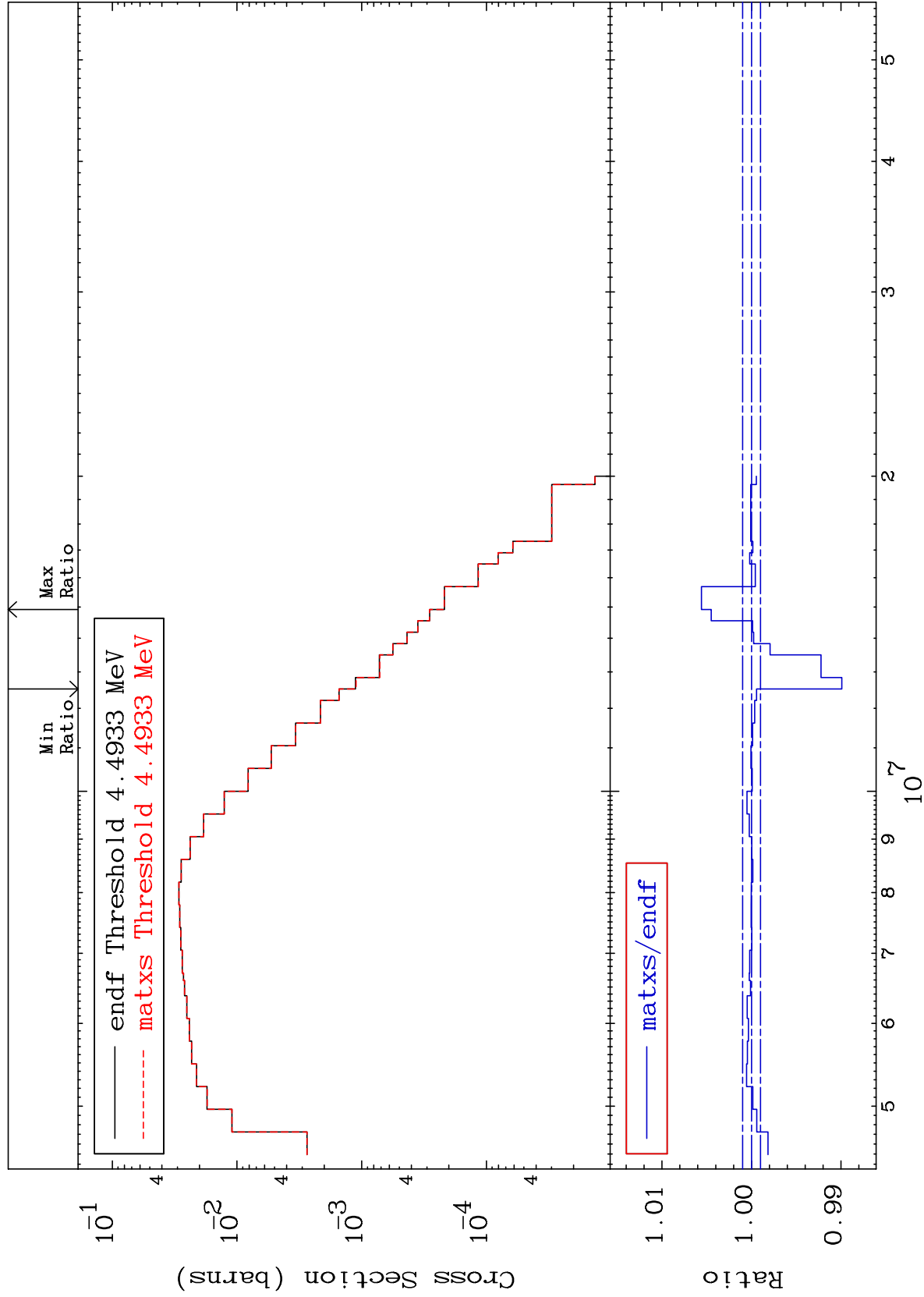
Incident Energy (eV)

12-Mg-25

MAT 1228

4.359 MeV (n,n') Level
Cross Section

12-Mg-25
-1.009 To 0.559 %



18

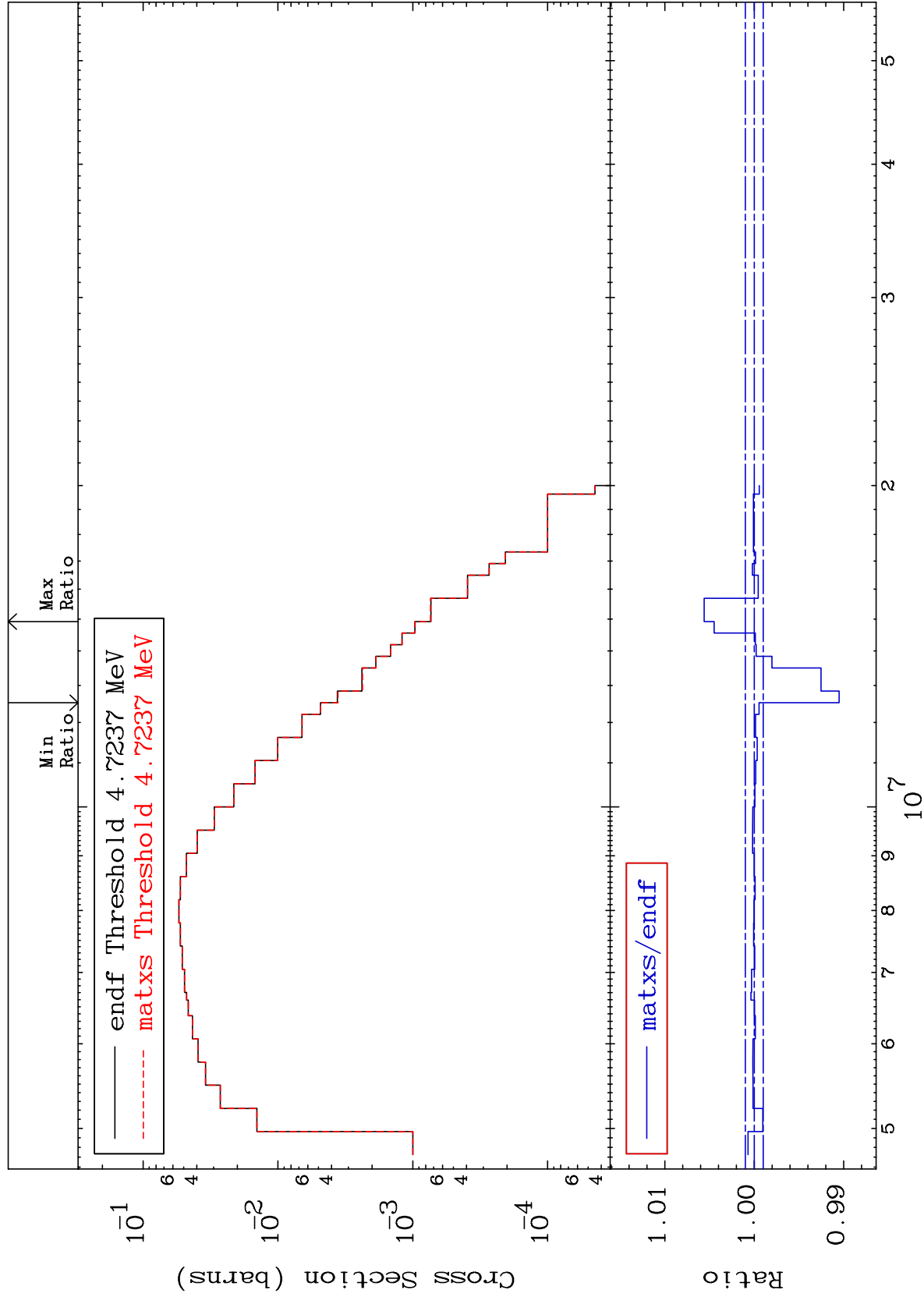
12-Mg-25

12-Mg-25

MAT 1228

4.711 MeV (n,n') Level
Cross Section

12-Mg-25
-0.948 To 0.560 %



19

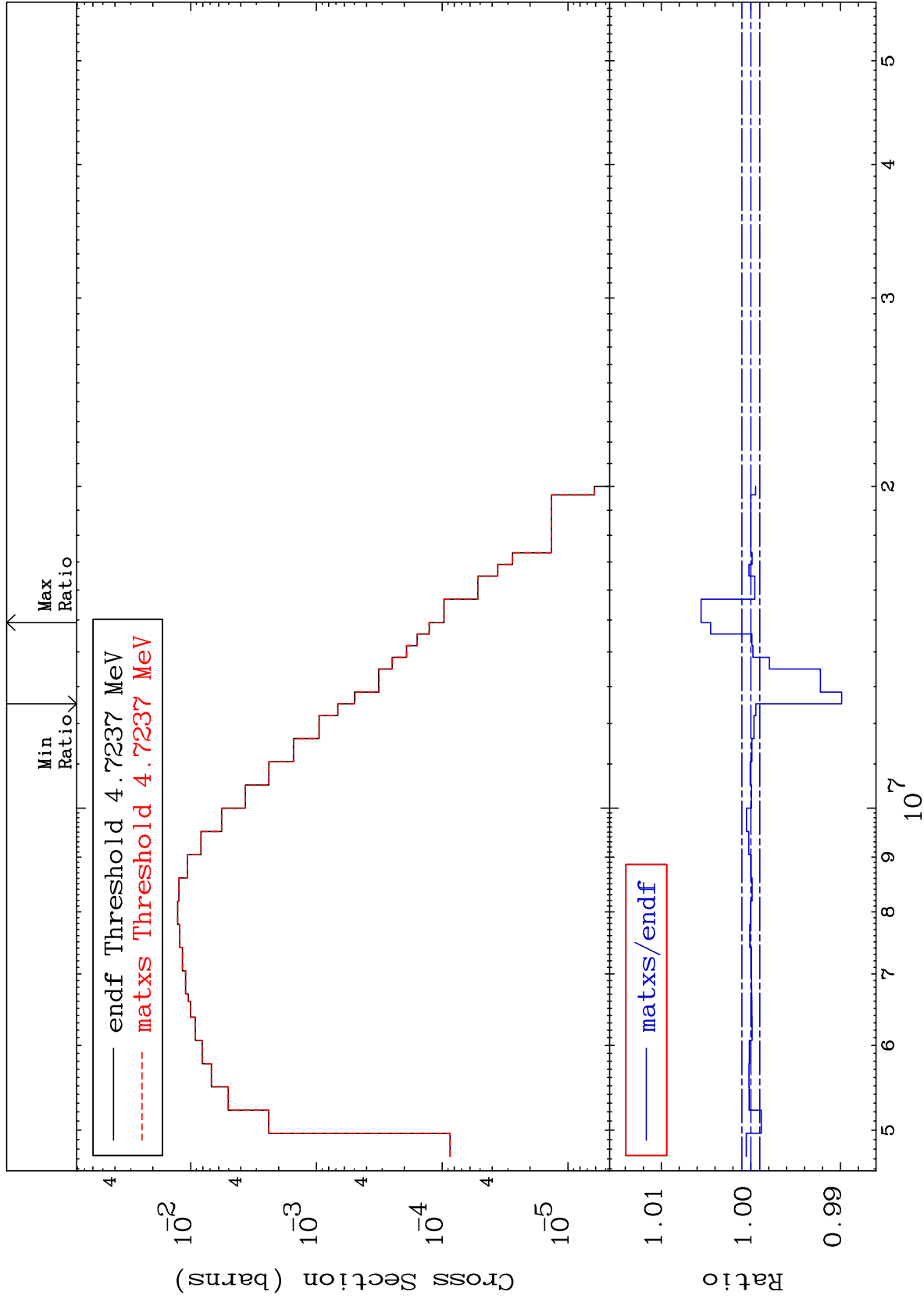
12-Mg-25

12-Mg-25

MAT 1228

4.722 MeV (n,n') Level
Cross Section

12-Mg-25
-1.014 To 0.556 %



20

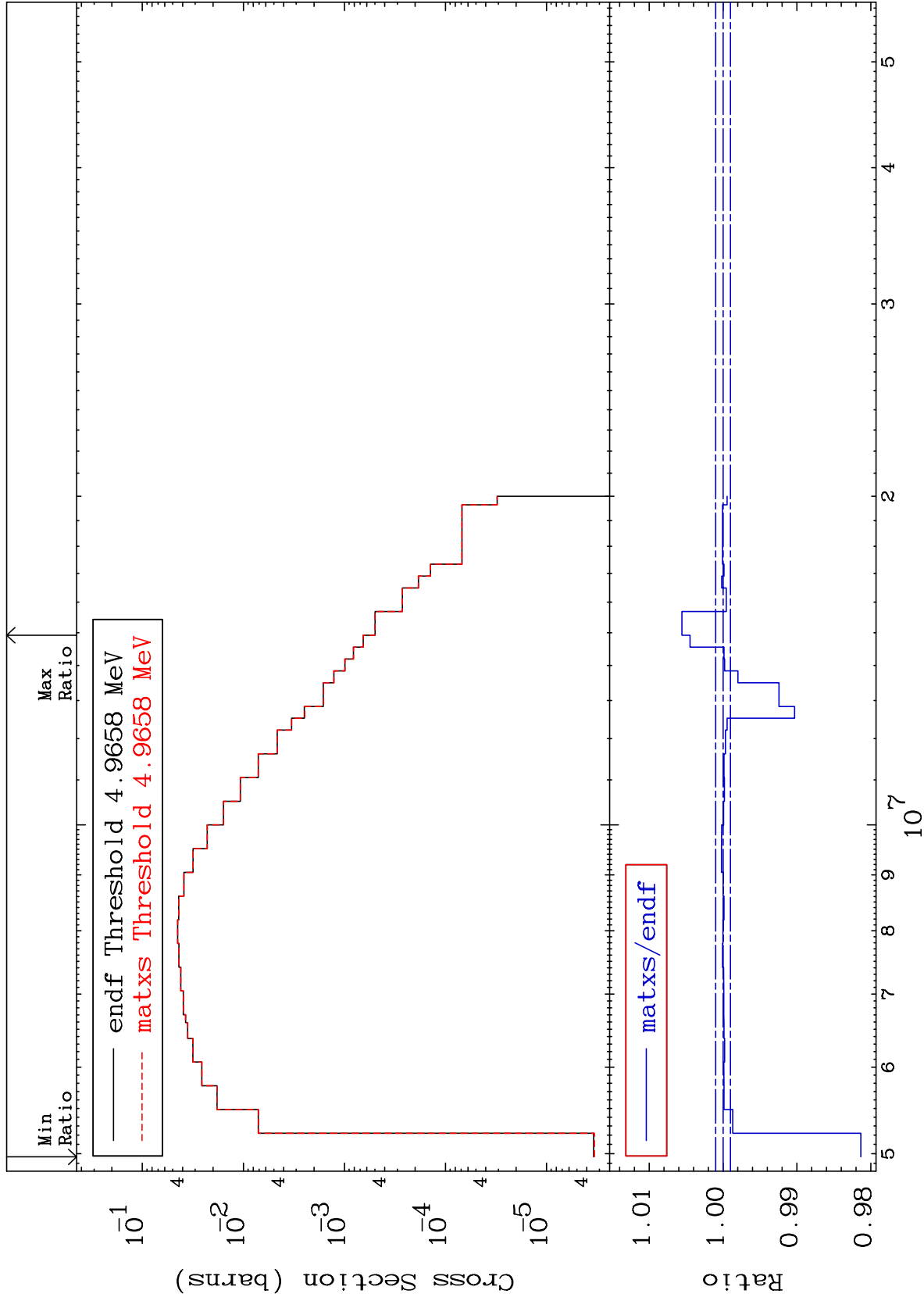
Incident Energy (eV)

12-Mg-25

MAT 1228

5.012 MeV (n,n') Level
Cross Section

12-Mg-25
-1.866 To 0.557 %



21

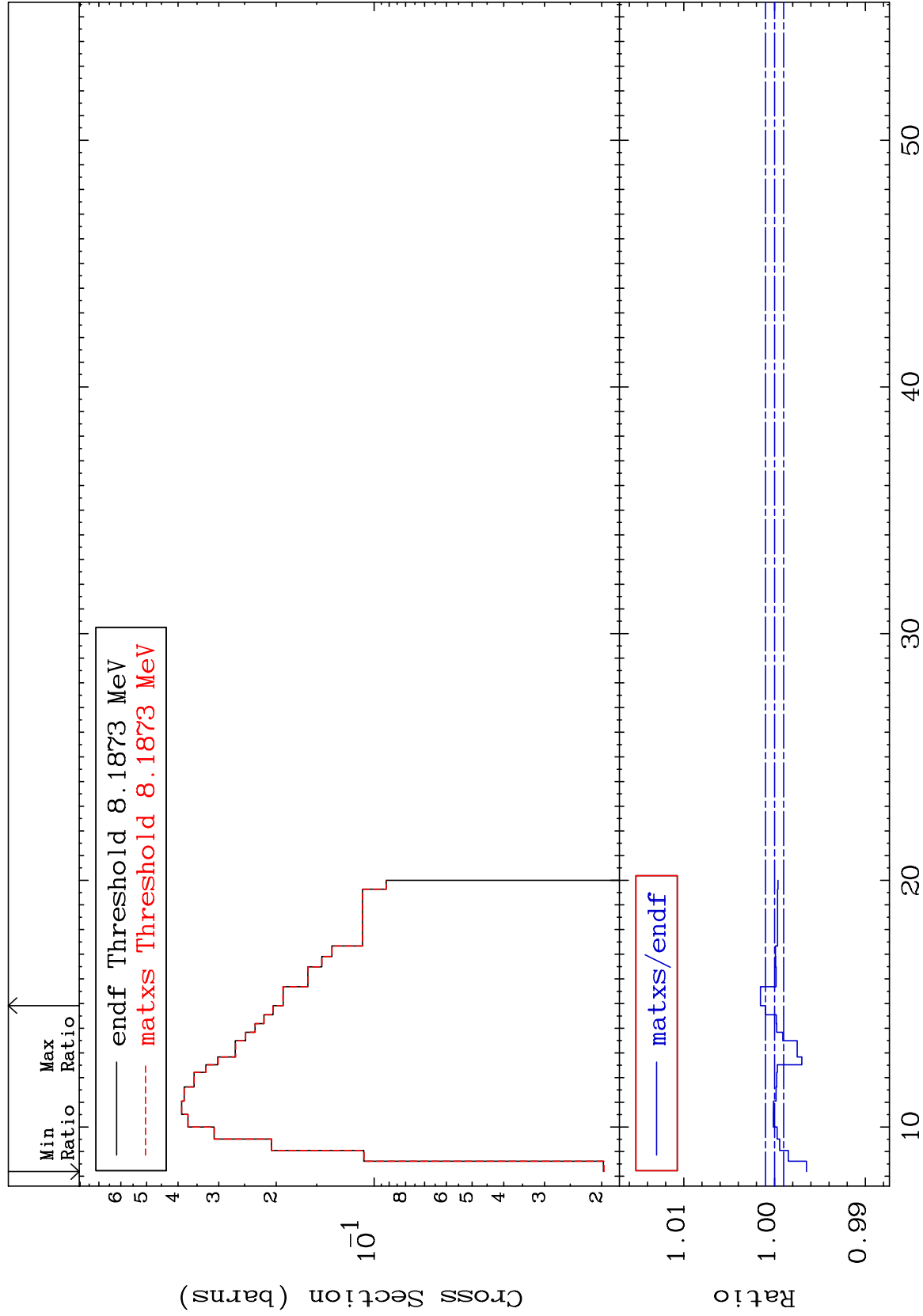
12-Mg-25

12-Mg-25

MAT 1228

(n,n') Continuum
Cross Section

12-Mg-25
-0.350 To 0.157 %

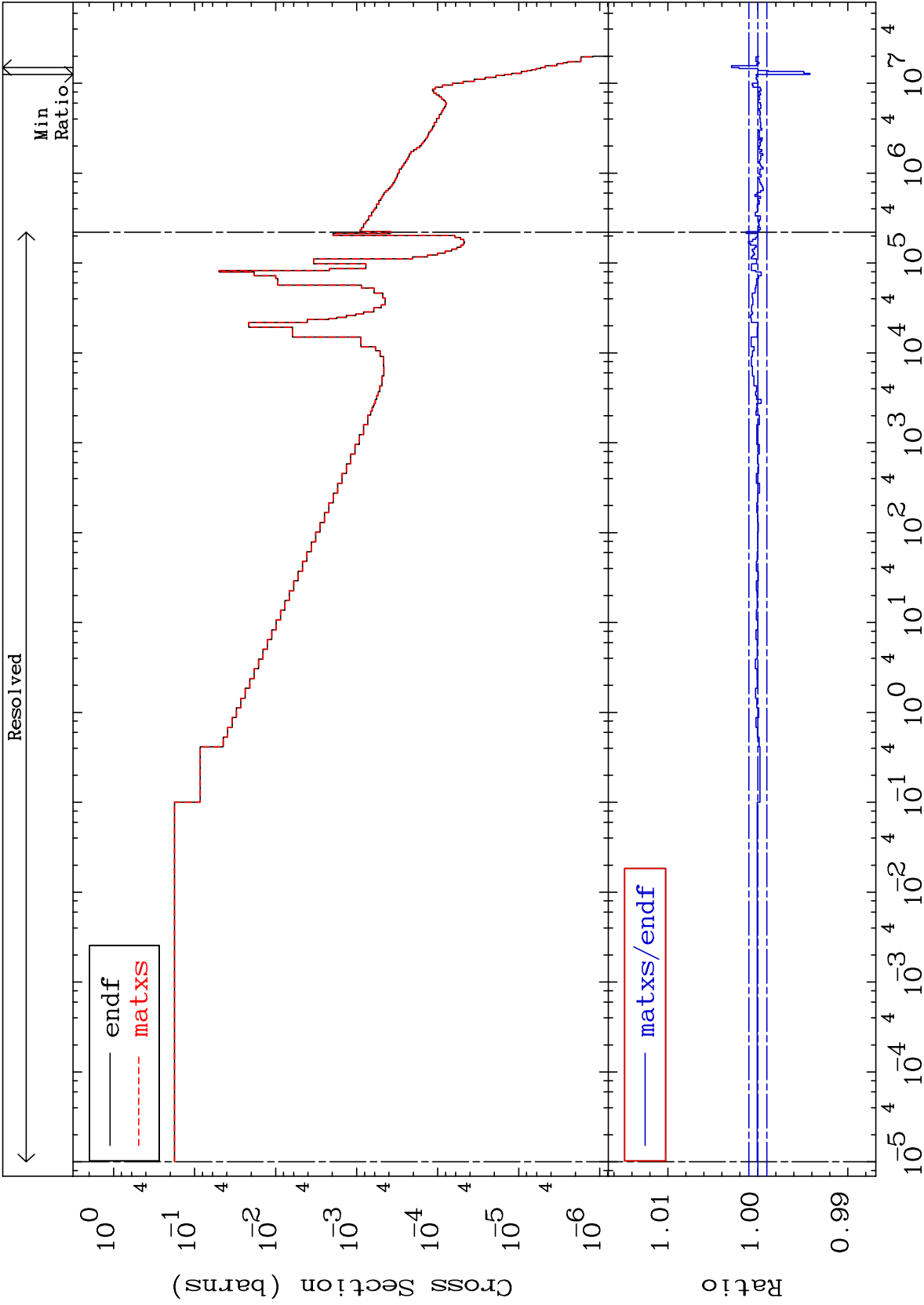


MAT 1228

(n, γ)

Cross Section

12-Mg-25
-0.581 To 0.293 %



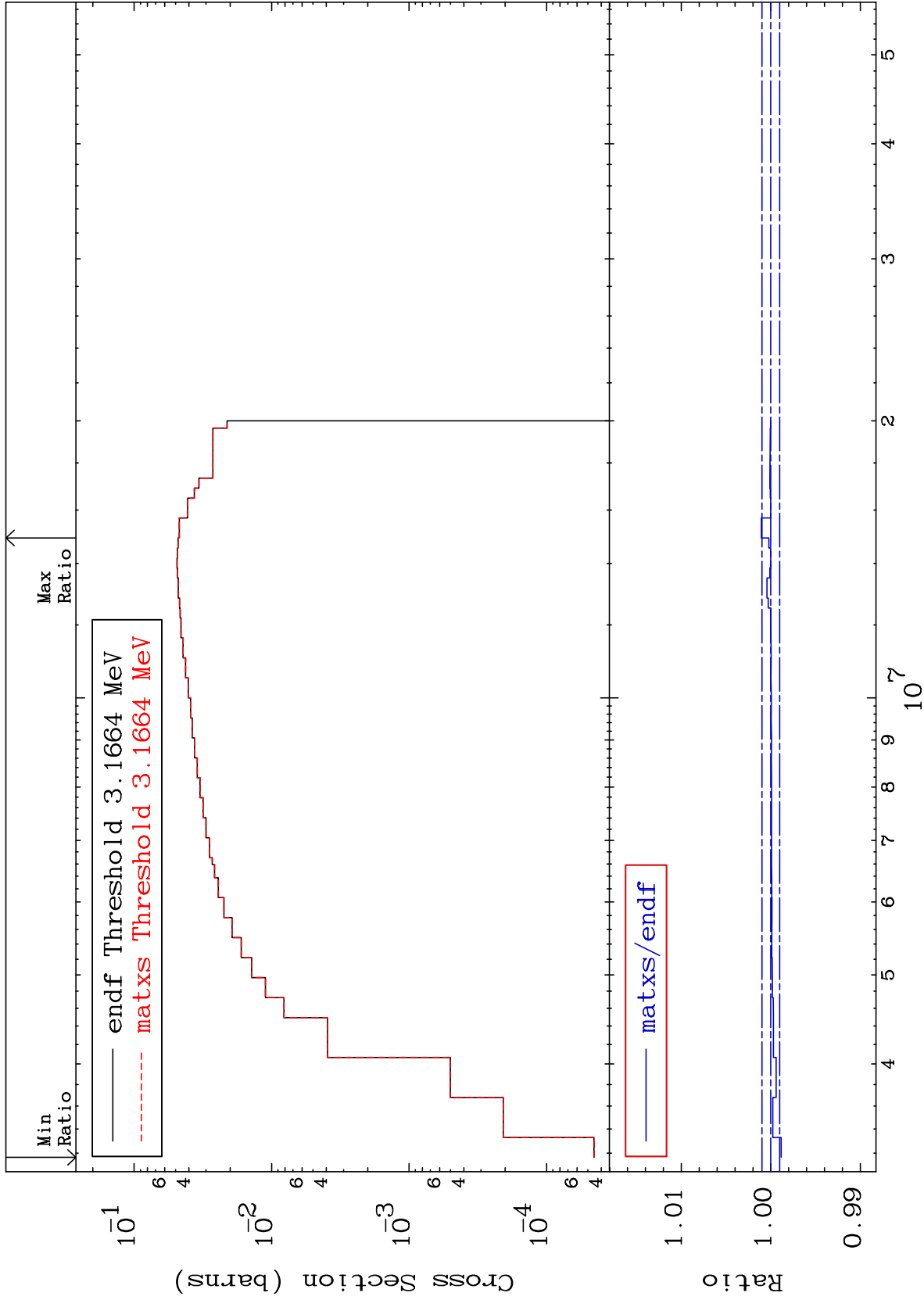
MAT 1228

(n,p)

¹²Mg-25

Cross Section

-0.116 To 0.106 %



MAT 1228

(n, α)

12-Mg-25

Cross Section

-0.987 To 0.187 %

Min Ratio

Max Ratio

— endf Threshold 961.67 keV
- - - matxs Threshold 961.67 keV

— matxs/endlf

10⁰
10⁻¹
10⁻²
10⁻³
10⁻⁴
10⁻⁵
10⁻⁶
10⁻⁷
1.01
1.00
0.99

Cross Section (barns)

Ratio

10⁶

10⁷

25

Incident Energy (eV)

12-Mg-25

