

Program Complot
(Version 2015-2)

by

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(Present Contact Information)

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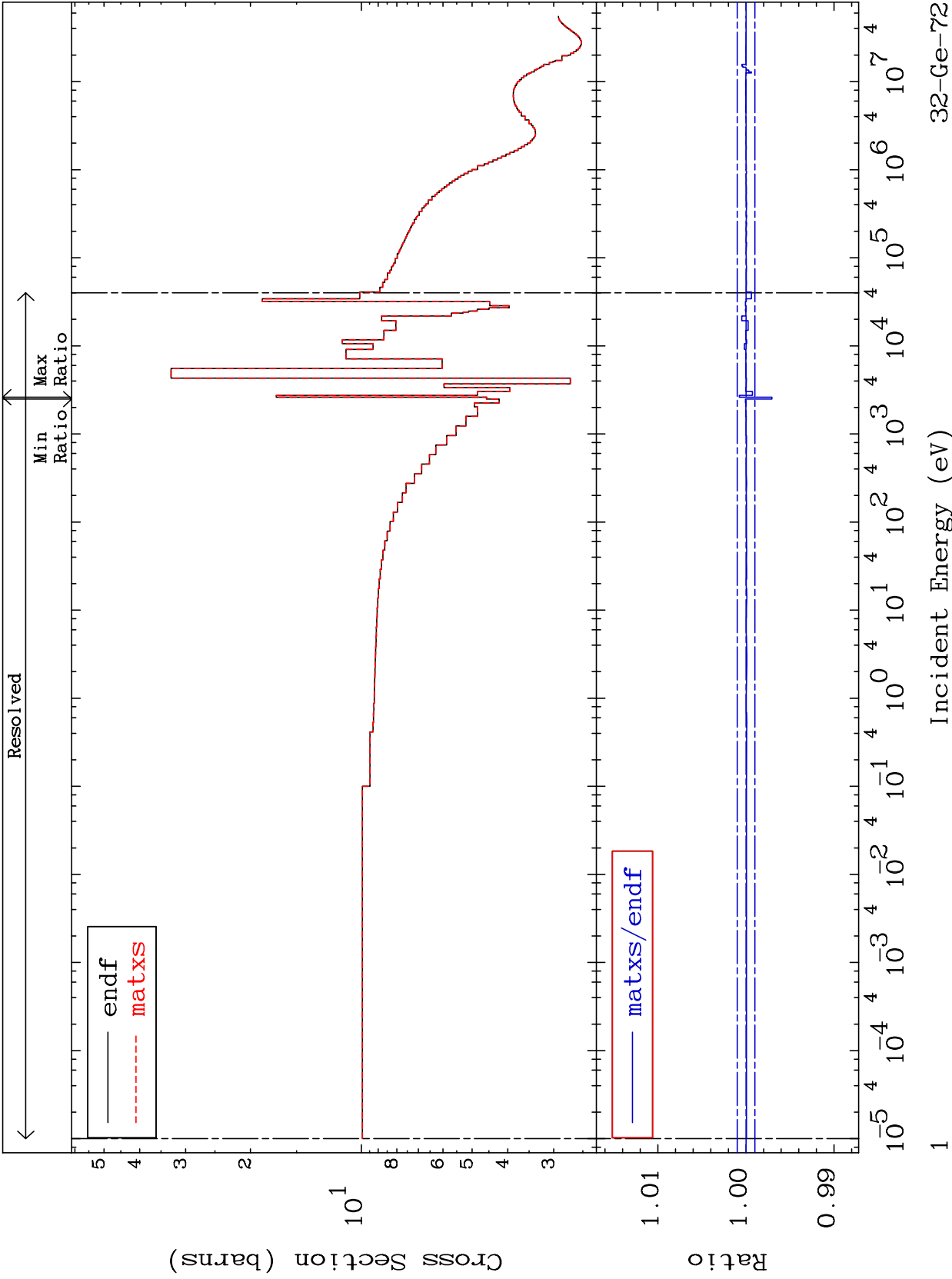
E.Mail: redcullen1@comcast.net
Web: home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 3231

Total
Cross Section

32-Ge-72
-0.294 To 0.075 %

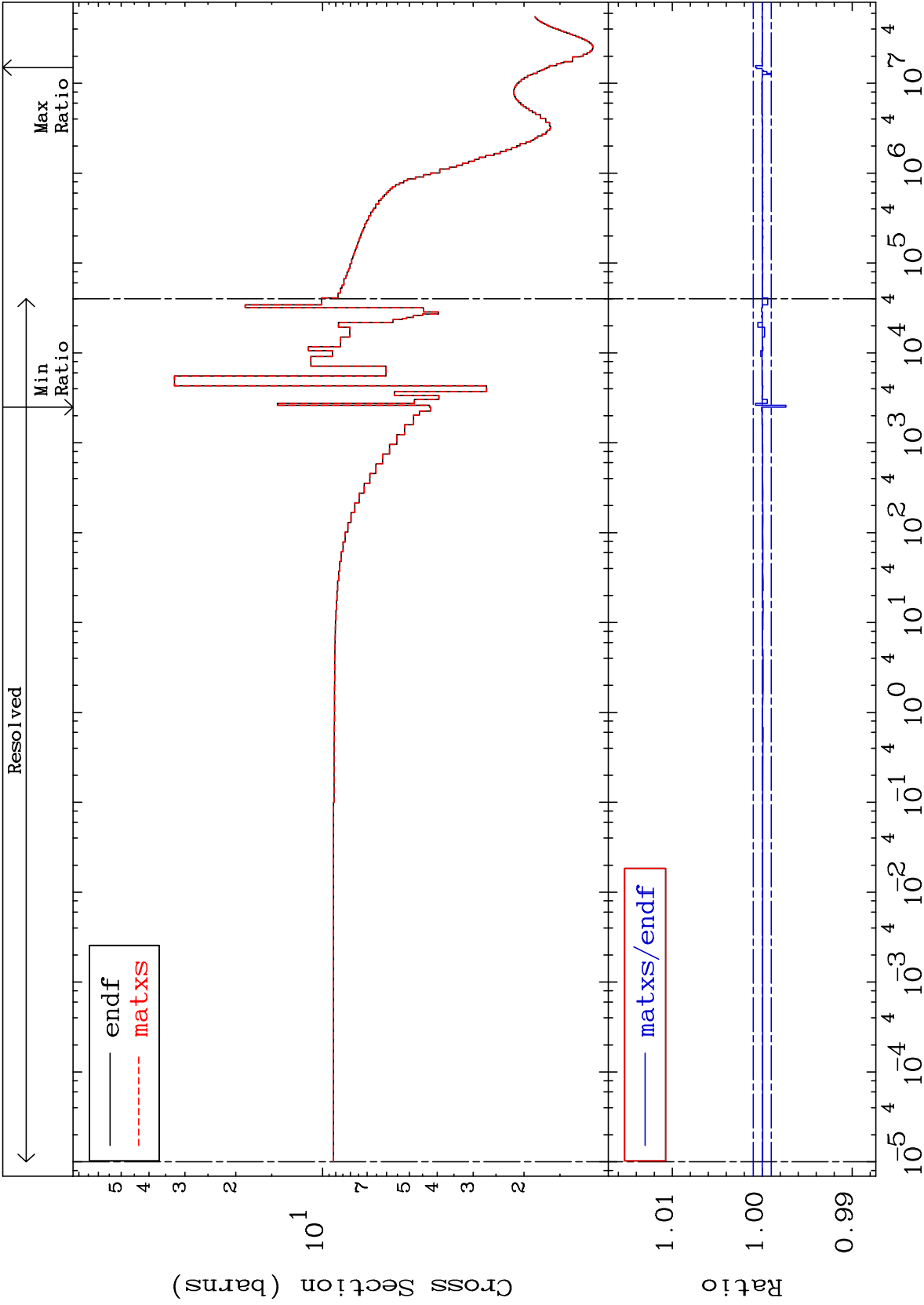


32-Ge-72

MAT 3231

Elastic
Cross Section

32-Ge-72
-0.263 To 0.074 %



2

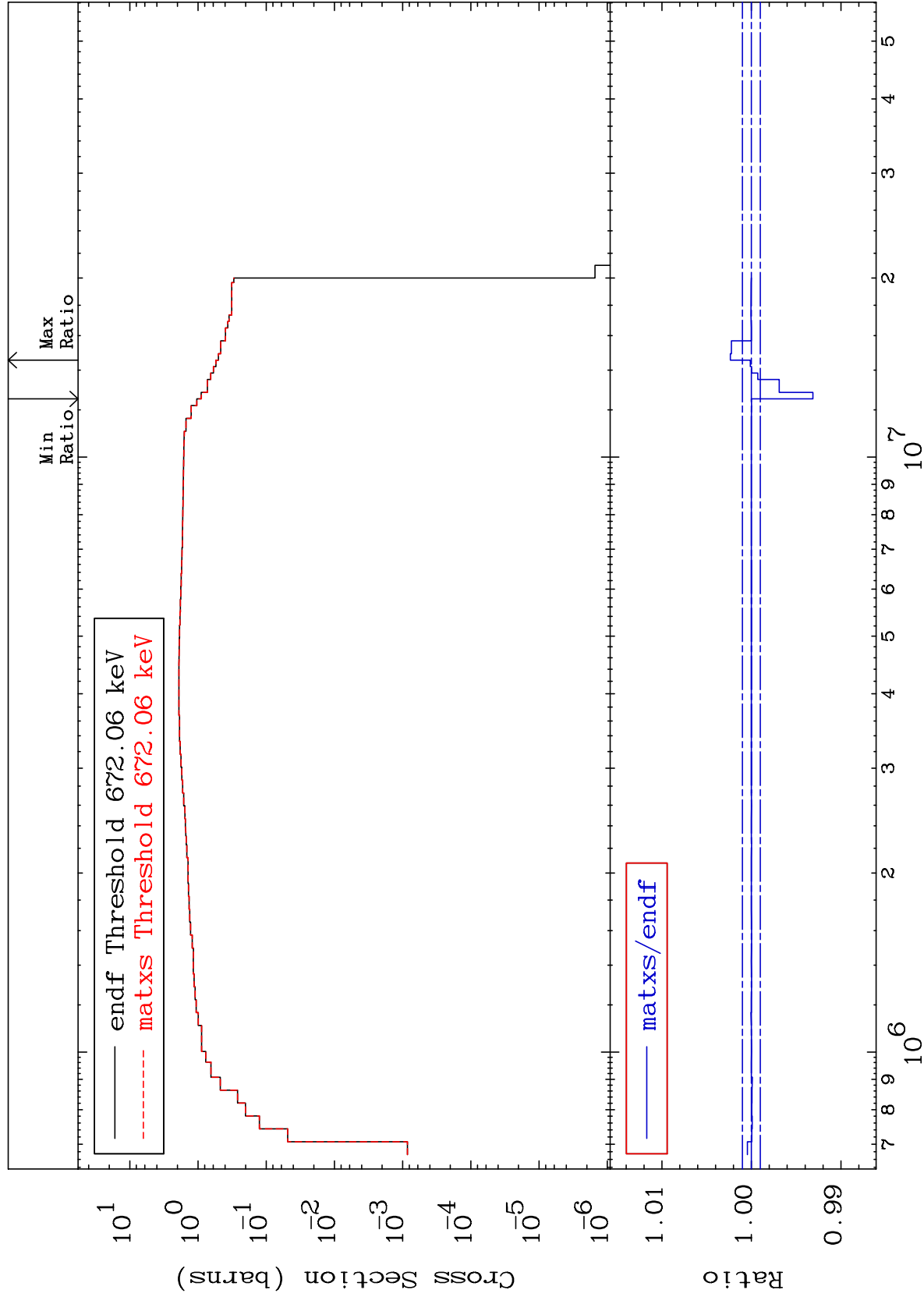
Incident Energy (eV)

32-Ge-72

MAT 3231

Inelastic
Cross Section

32-Ge-72
-0.686 To 0.234 %



3

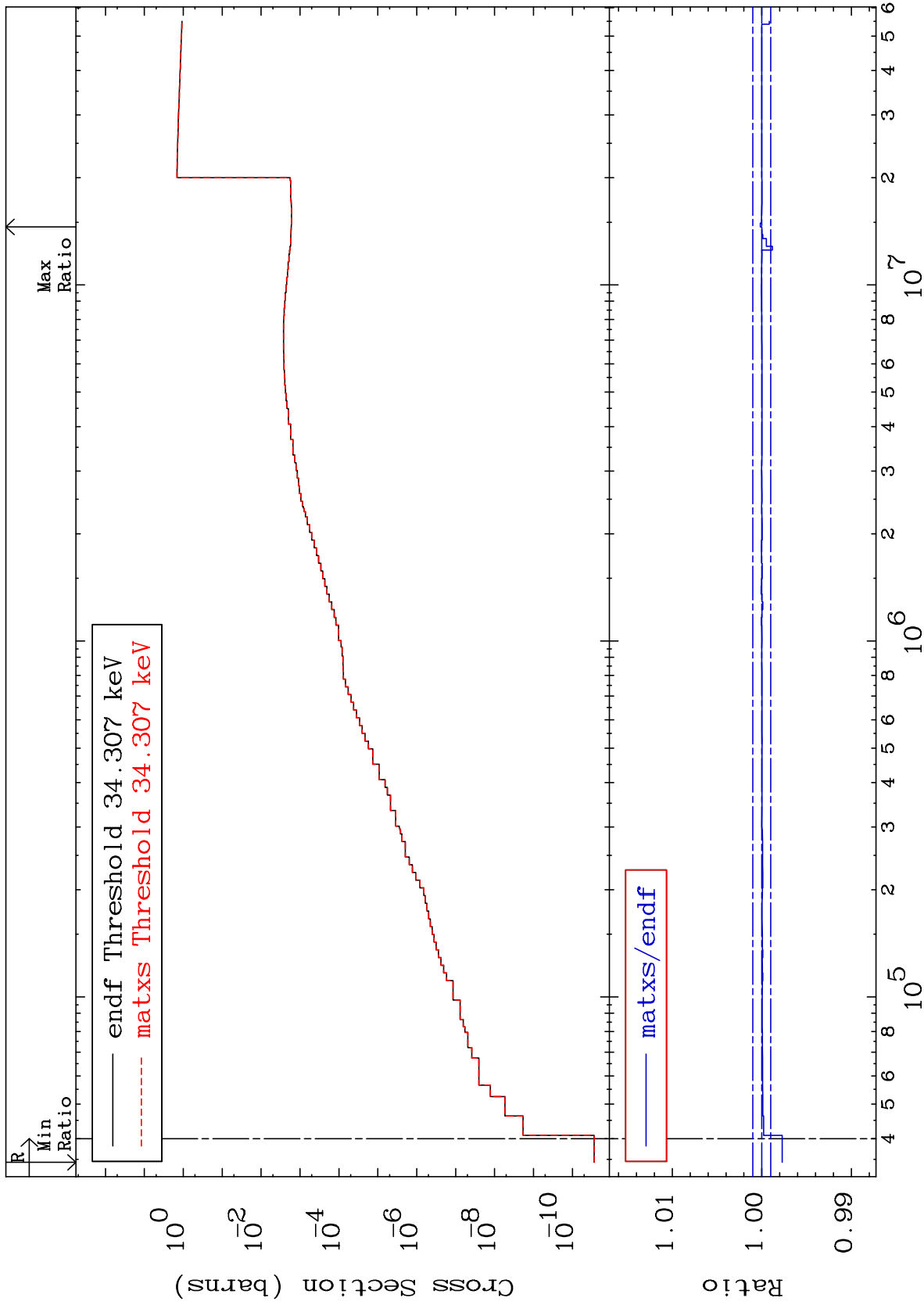
Incident Energy (eV)

32-Ge-72

MAT 3231

(n, remainder)
Cross Section

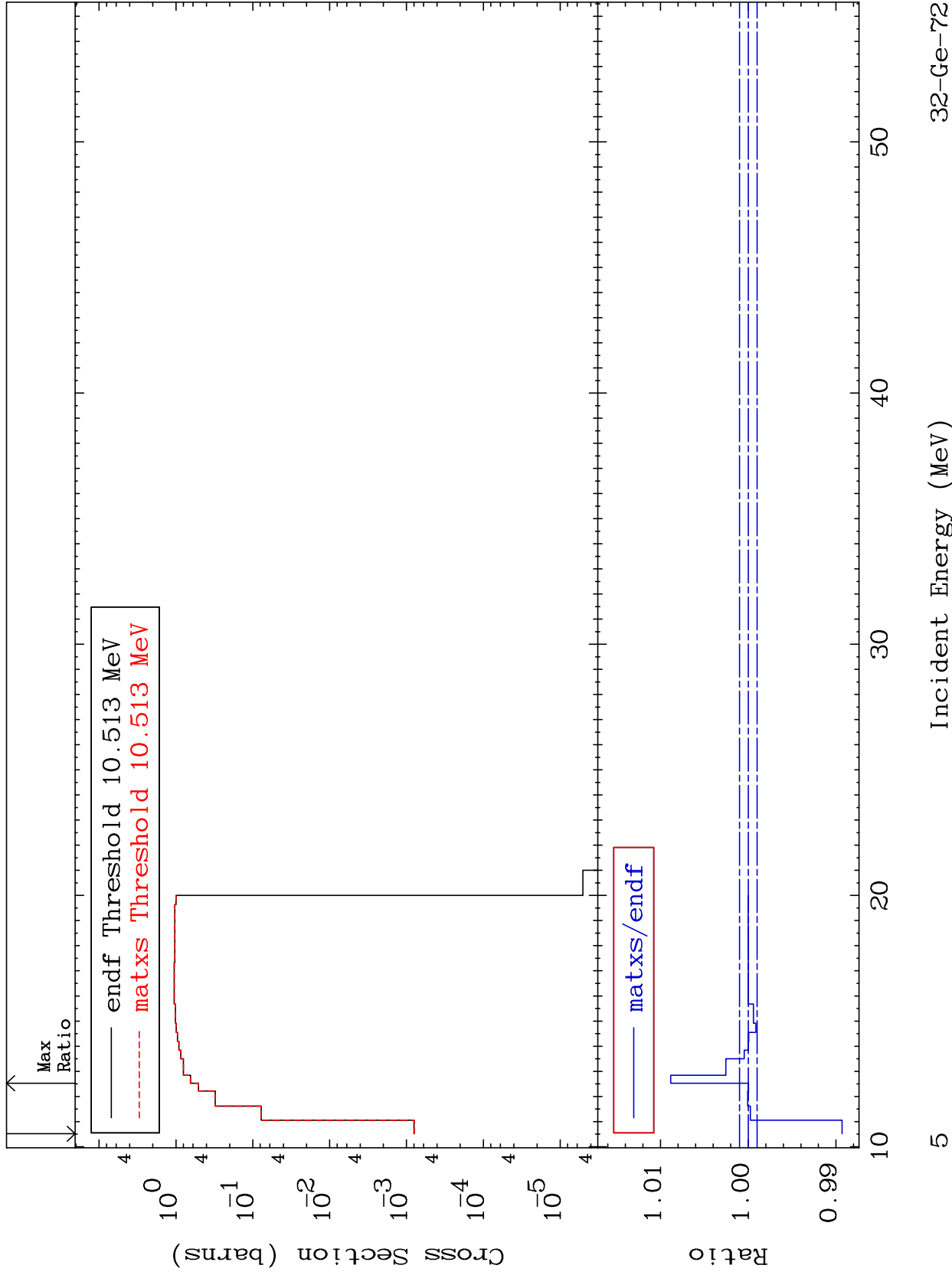
32-Ge-72
-0.227 To 0.017 %



MAT 3231

(n,2n)
Cross Section

32-Ge-72
-1.068 To 0.882 %

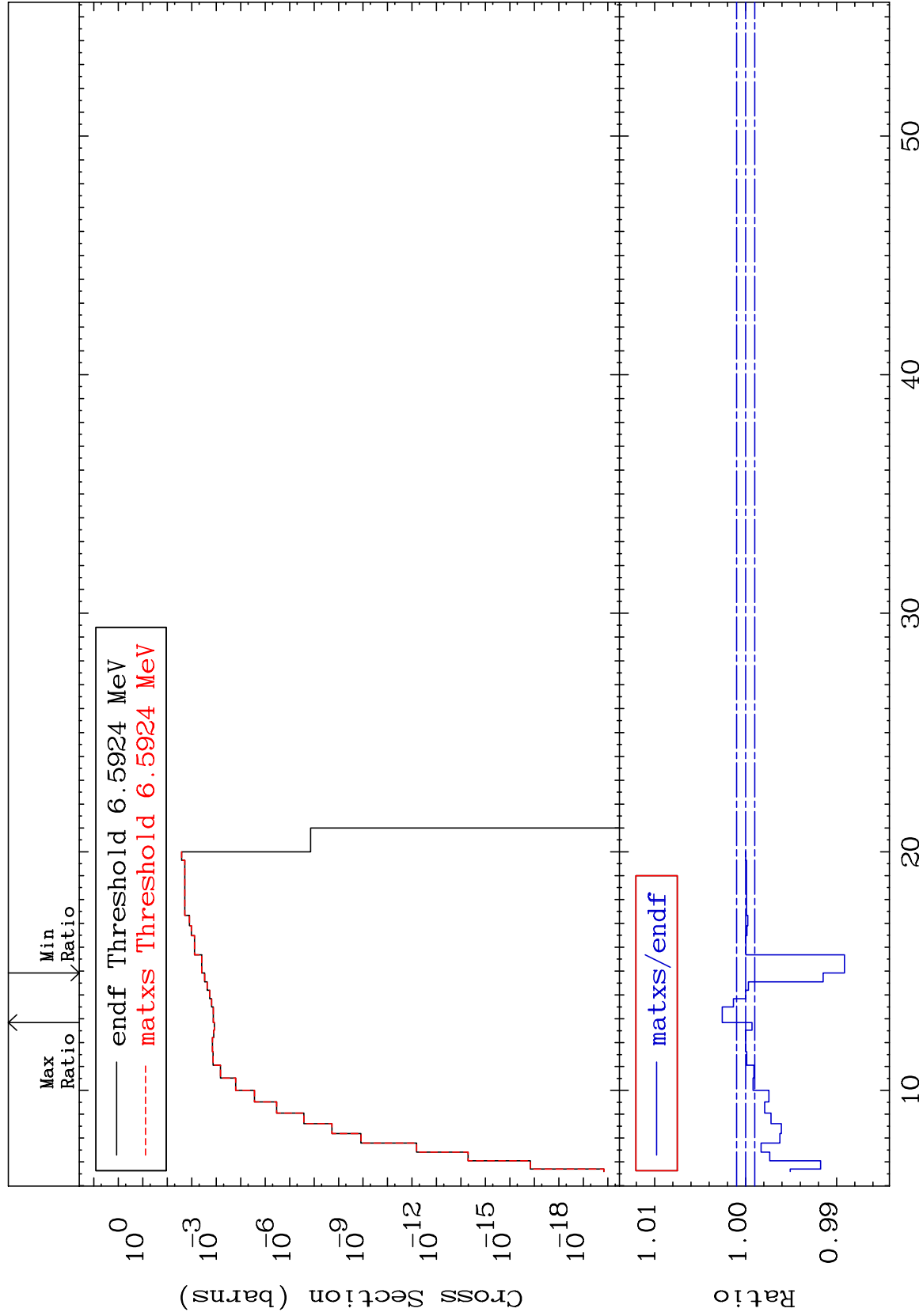


32-Ge-72

MAT 3231

(n, n') α
Cross Section

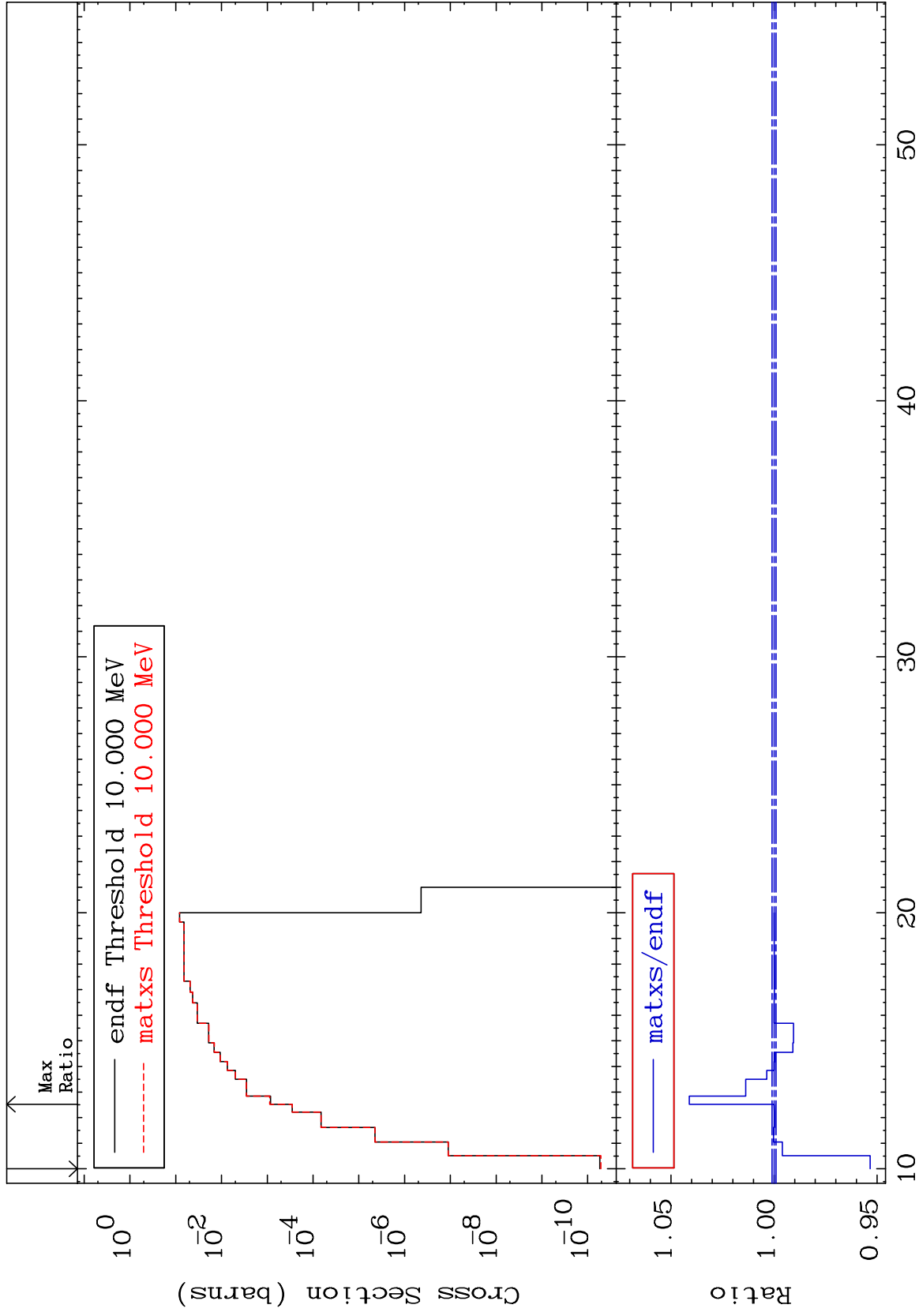
³²Ge-72
-1.085 To 0.256 %



MAT 3231

(n, n') p
Cross Section

32-Ge-72
-4.661 To 4.111 %



7

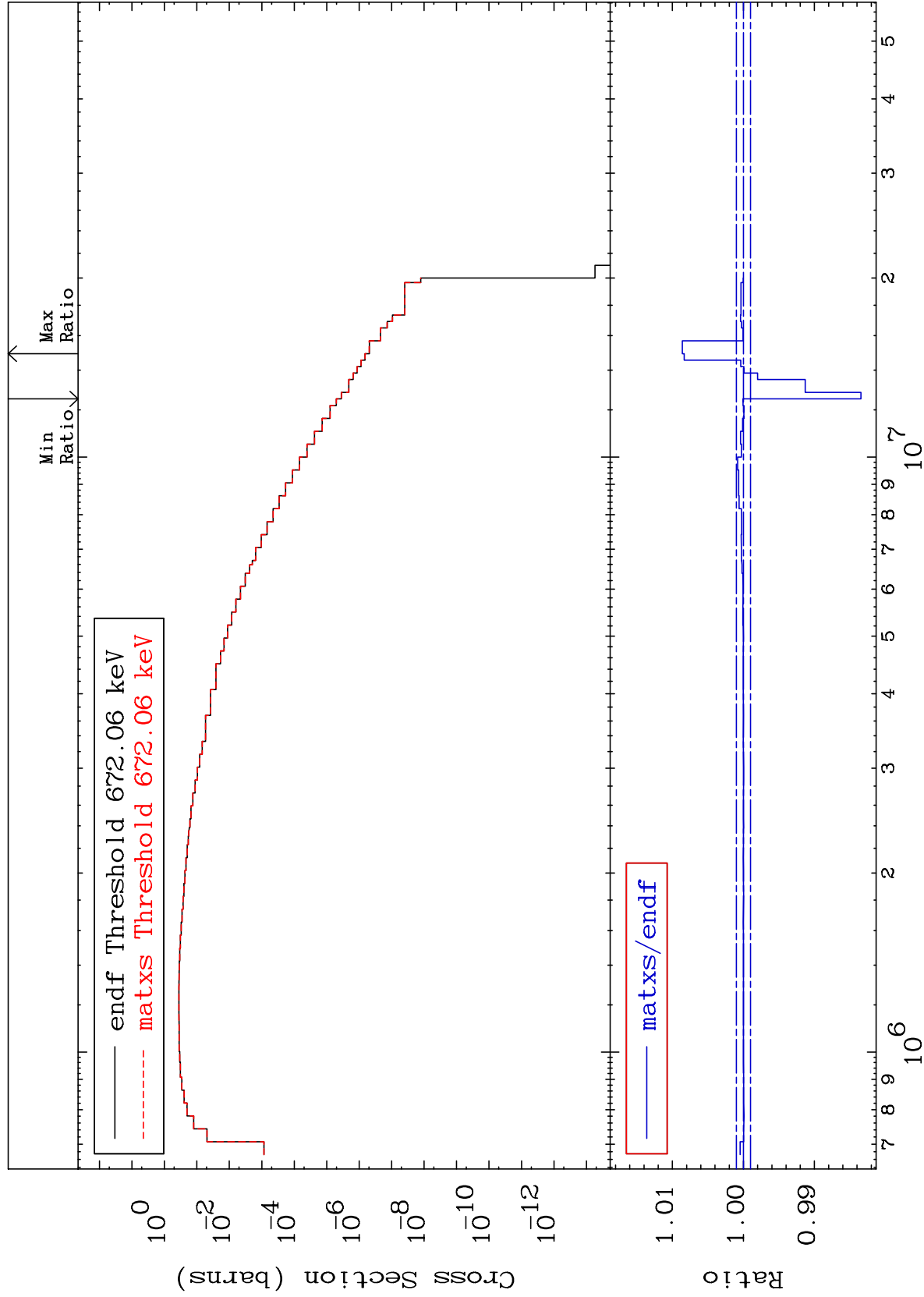
Incident Energy (MeV)

32-Ge-72

MAT 3231

691.4 keV (n,n') Level
Cross Section

32-Ge-72
-1.654 To 0.860 %



8

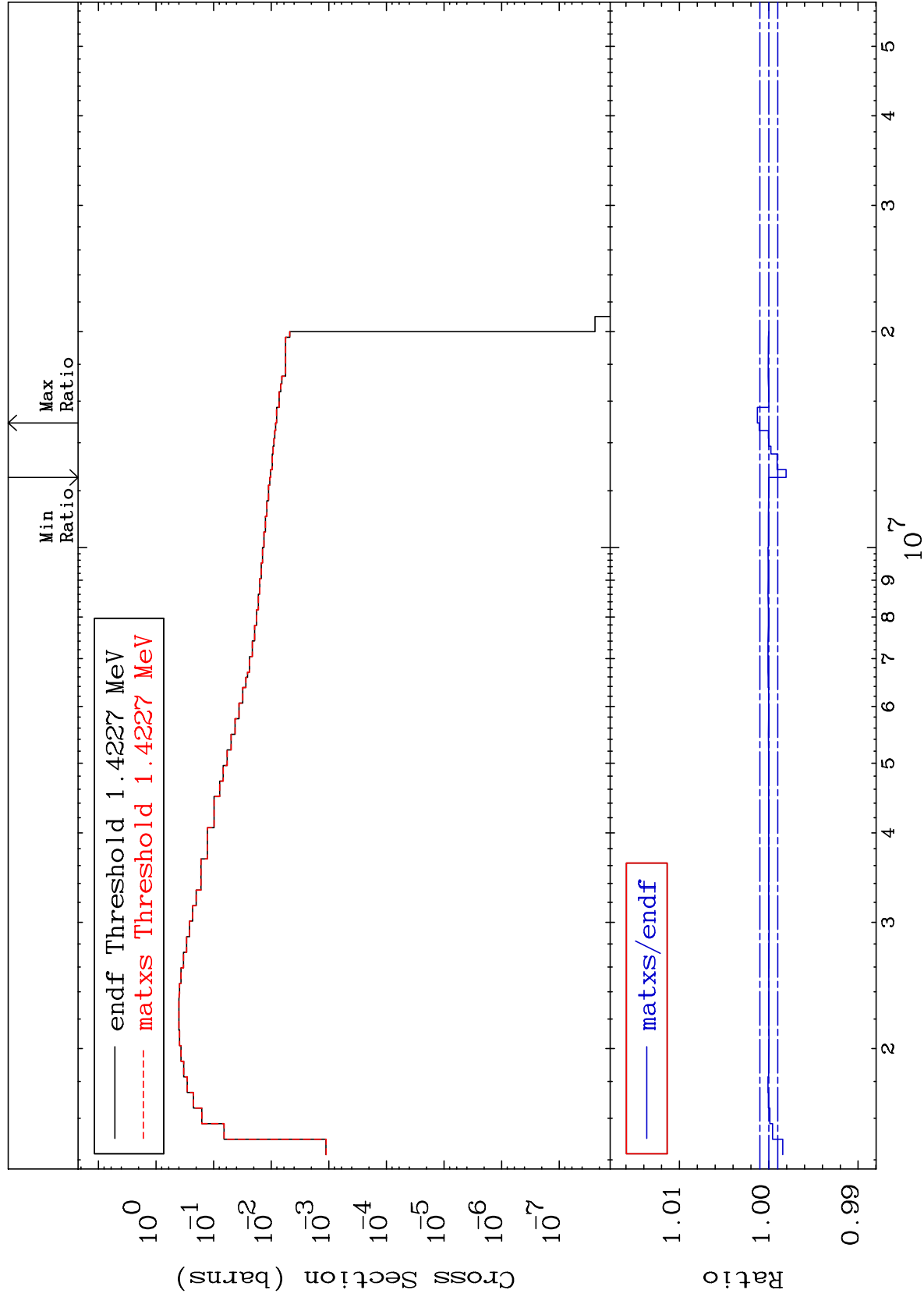
Incident Energy (eV)

32-Ge-72

MAT 3231

1.464 MeV (n,n') Level
Cross Section

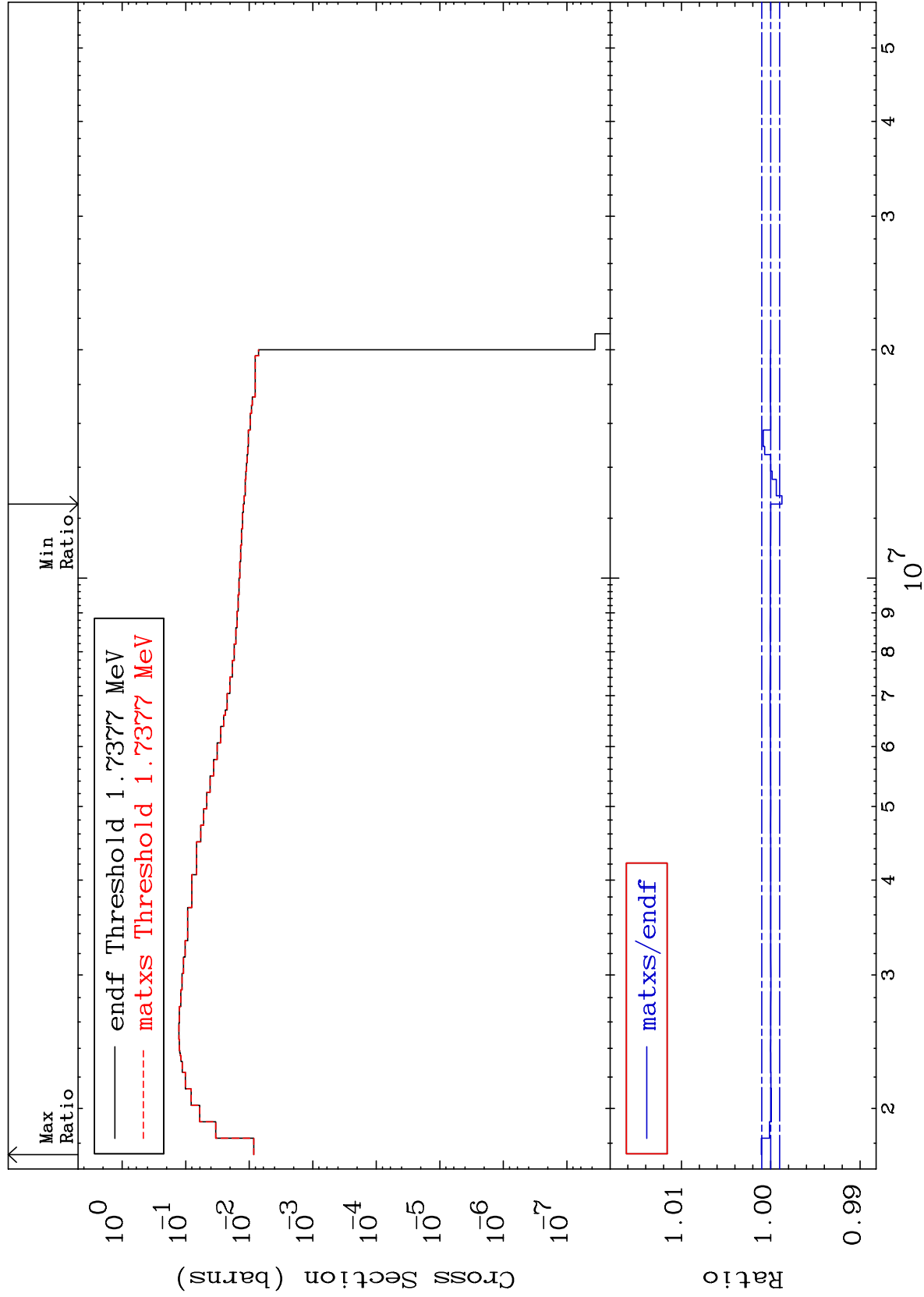
32-Ge-72
-0.193 To 0.129 %



MAT 3231

1.728 MeV (n,n') Level
Cross Section

32-Ge-72
-0.125 To 0.104 %



10

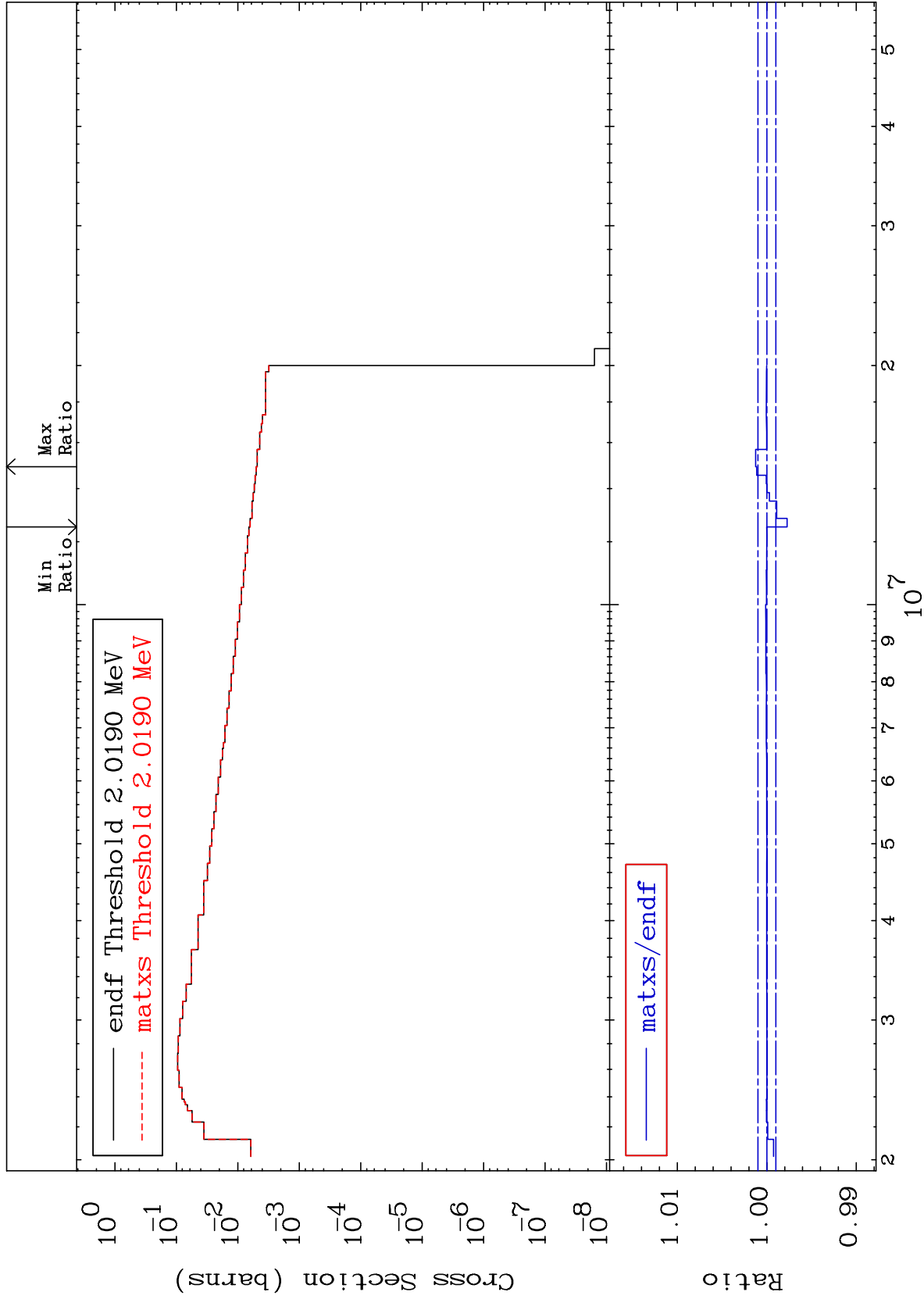
Incident Energy (eV)

32-Ge-72

MAT 3231

2.029 MeV (n,n') Level
Cross Section

32-Ge-72
-0.228 To 0.125 %



11

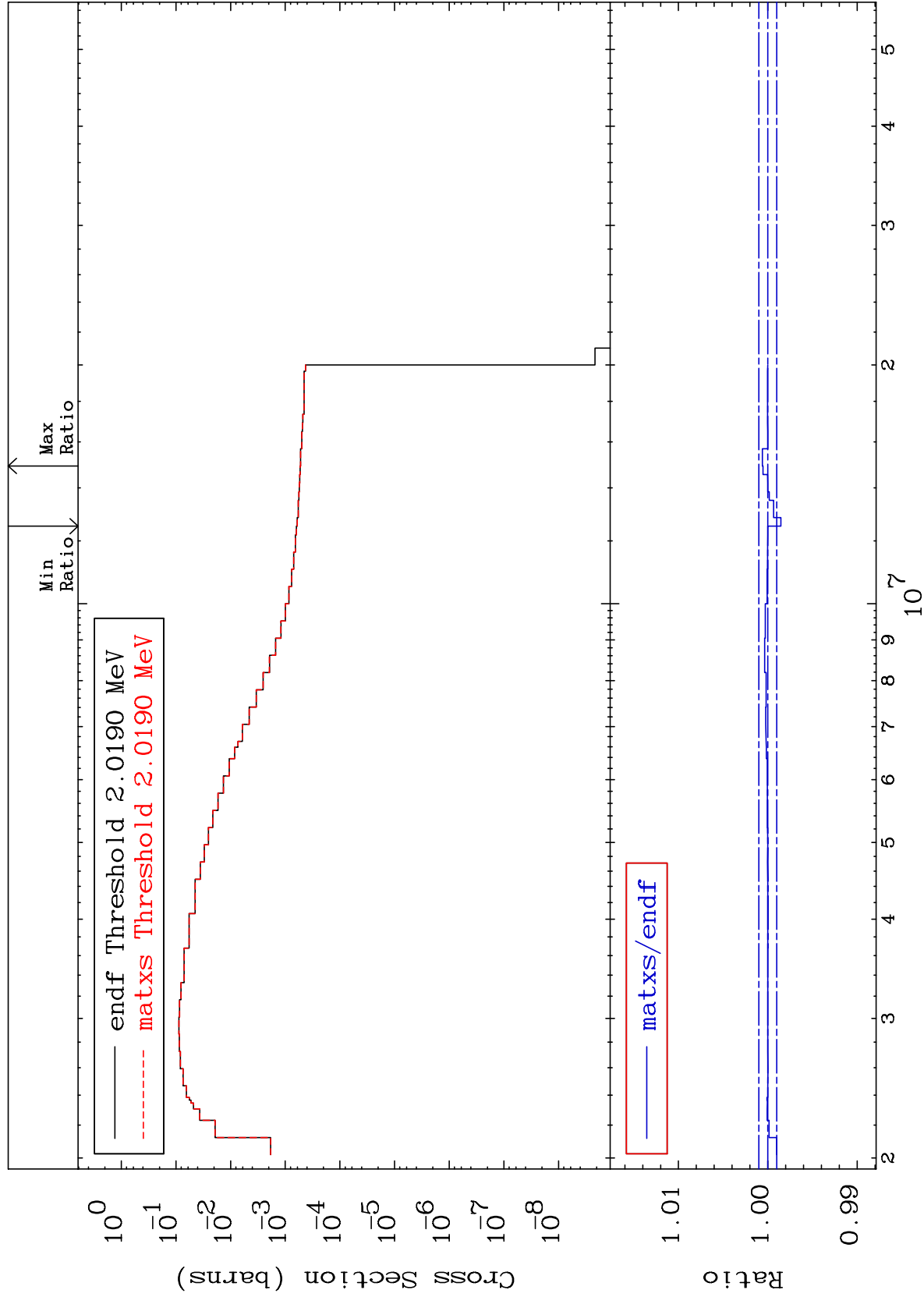
Incident Energy (eV)

32-Ge-72

MAT 3231

2.049 MeV (n,n') Level
Cross Section

32-Ge-72
-0.146 To 0.060 %



12

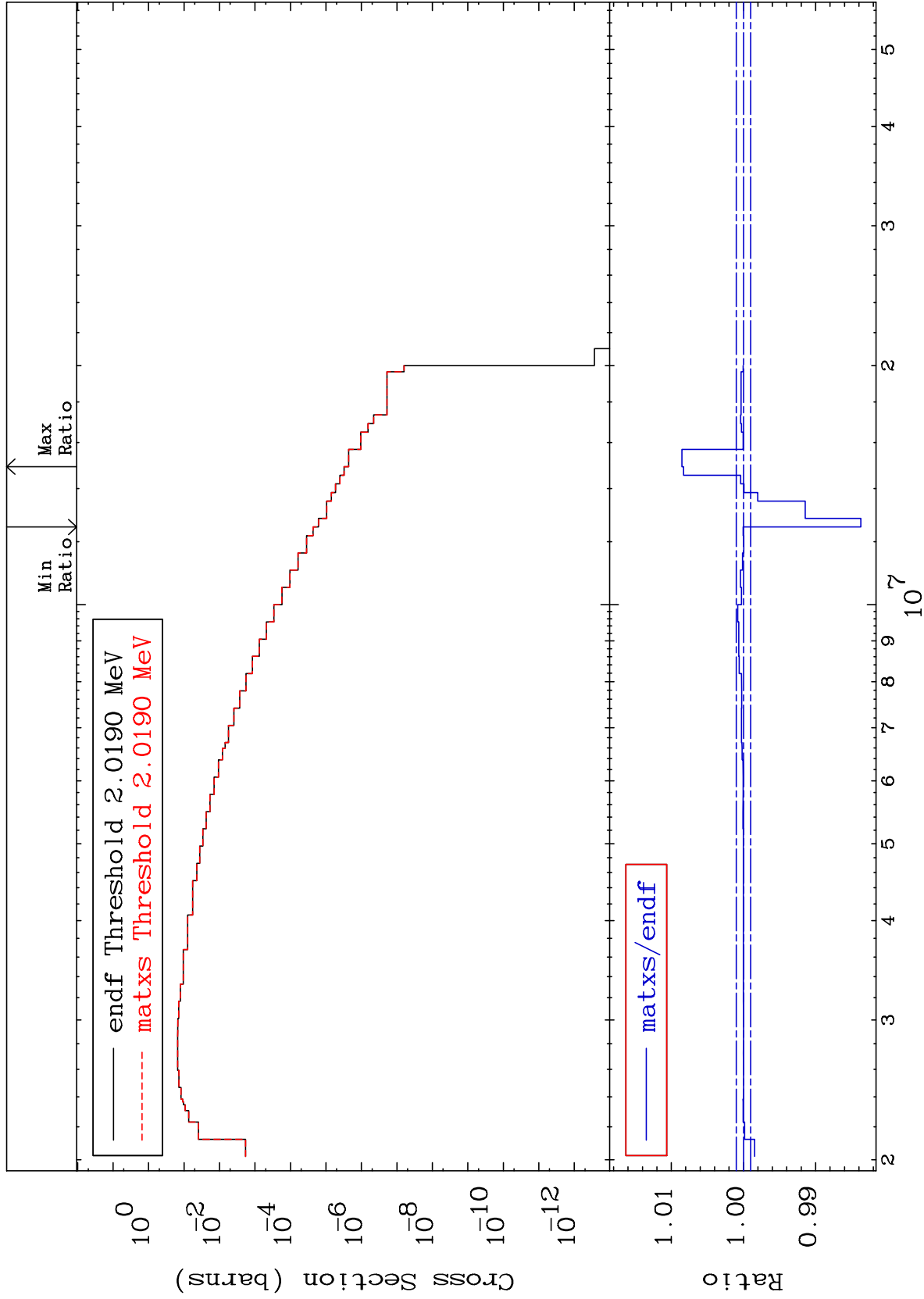
Incident Energy (eV)

32-Ge-72

MAT 3231

2.065 MeV (n,n') Level
Cross Section

32-Ge-72
-1.627 To 0.852 %



13

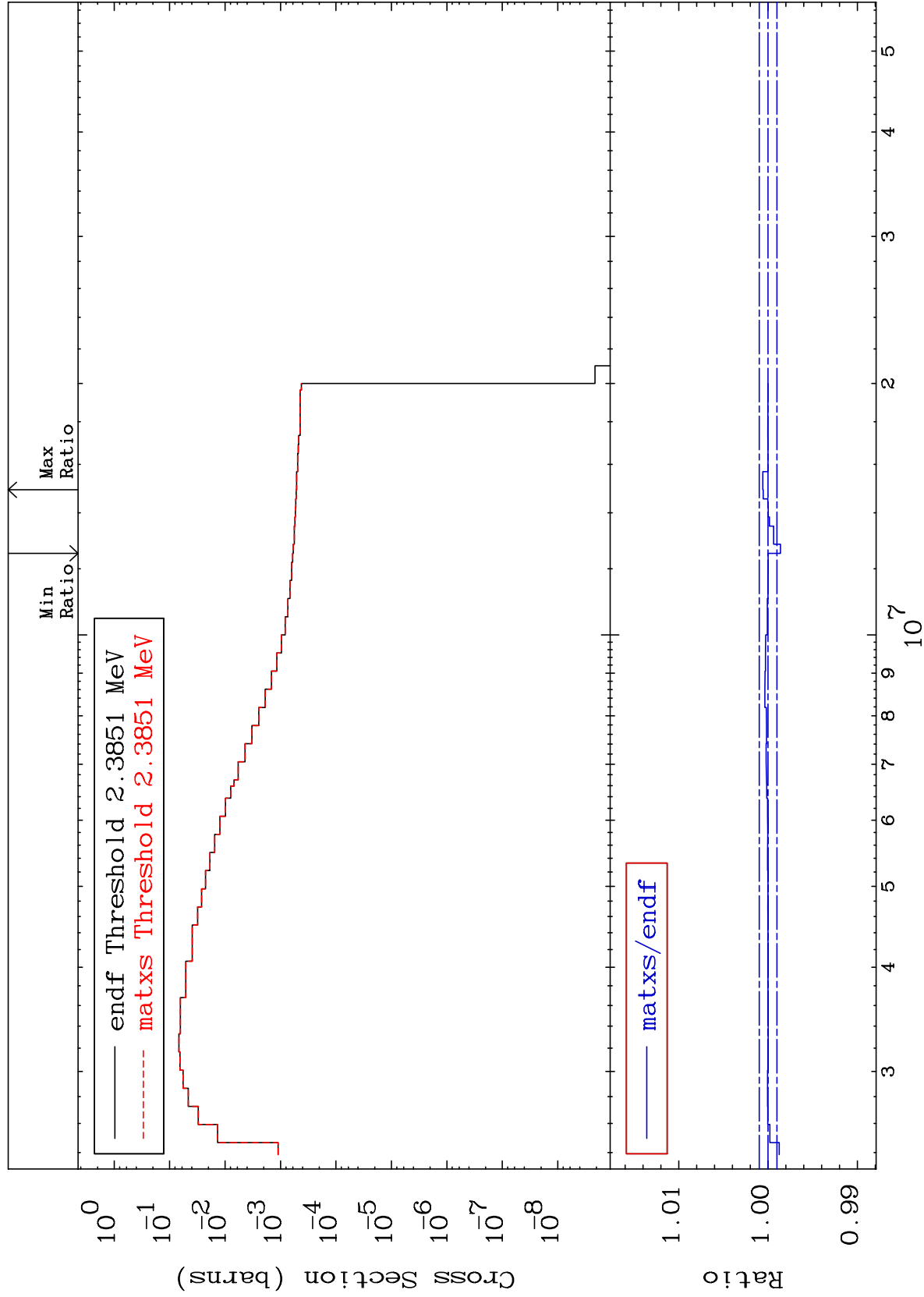
32-Ge-72

32-Ge-72

MAT 3231

2.396 MeV (n,n') Level
Cross Section

32-Ge-72
-0.138 To 0.058 %



14

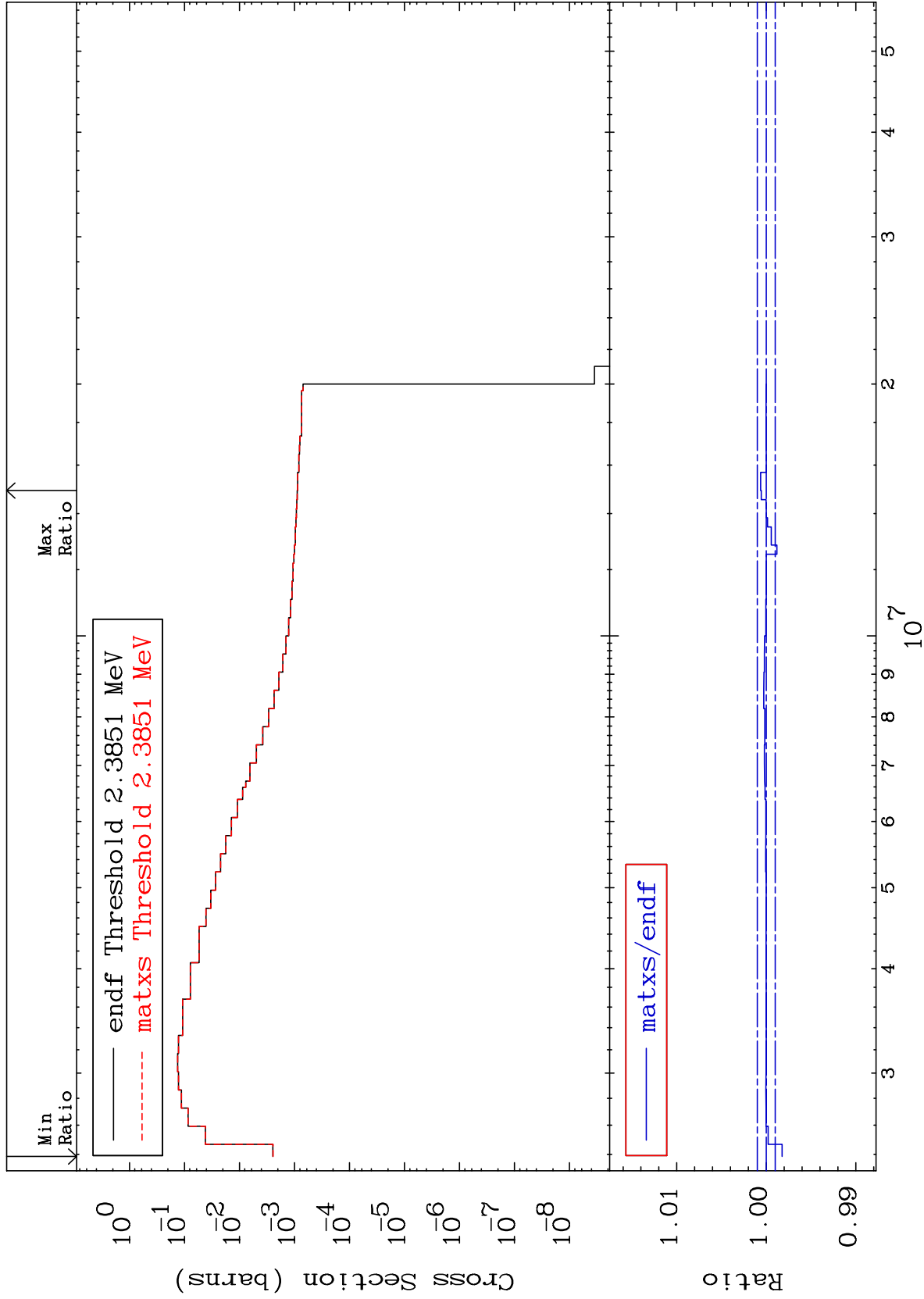
Incident Energy (eV)

32-Ge-72

MAT 3231

2.402 MeV (n,n') Level
Cross Section

32-Ge-72
-0.177 To 0.062 %



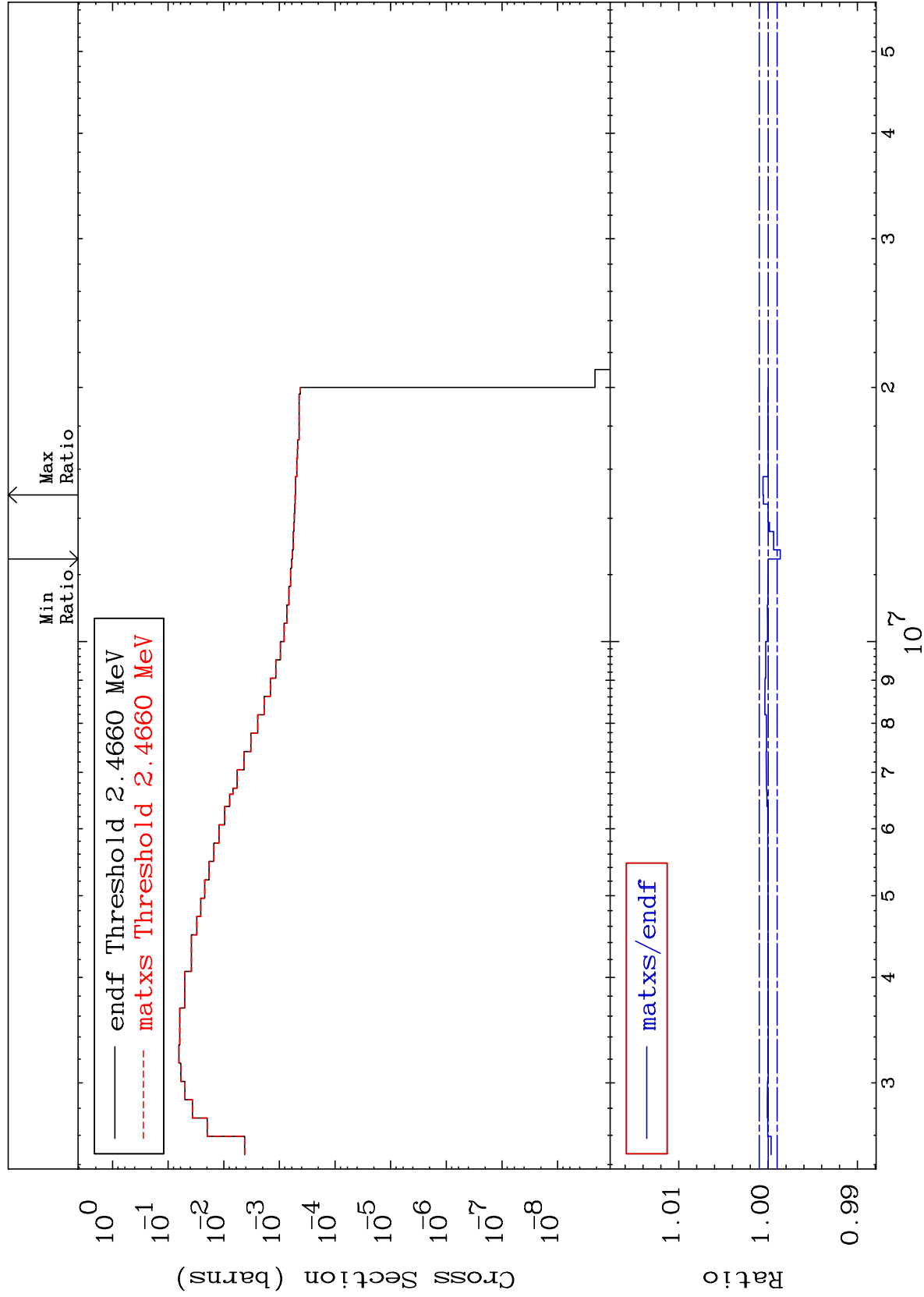
15

32-Ge-72

MAT 3231

2.464 MeV (n,n') Level
Cross Section

32-Ge-72
-0.137 To 0.058 %



16

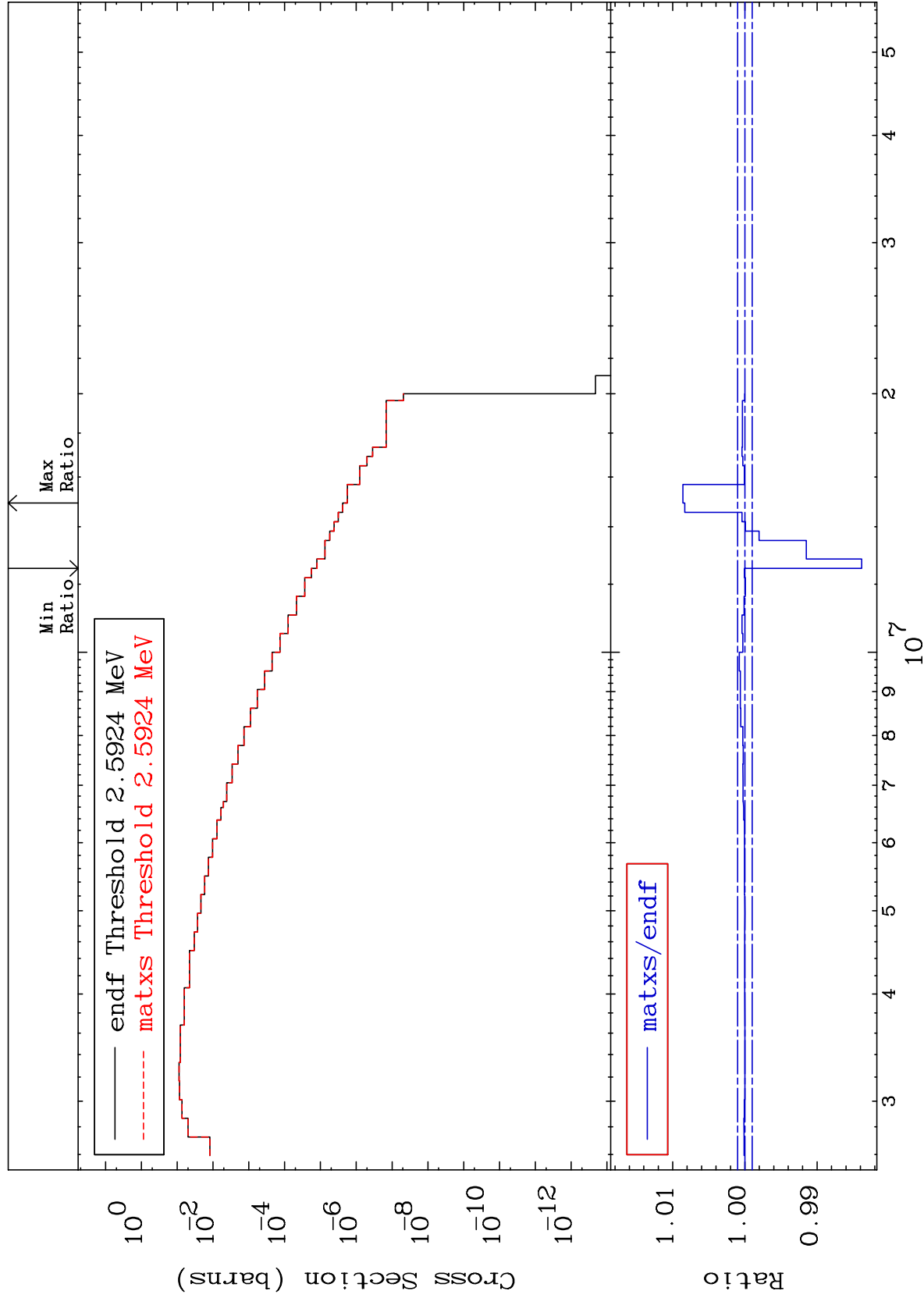
Incident Energy (eV)

32-Ge-72

MAT 3231

2.584 MeV (n,n') Level
Cross Section

32-Ge-72
-1.618 To 0.858 %



17

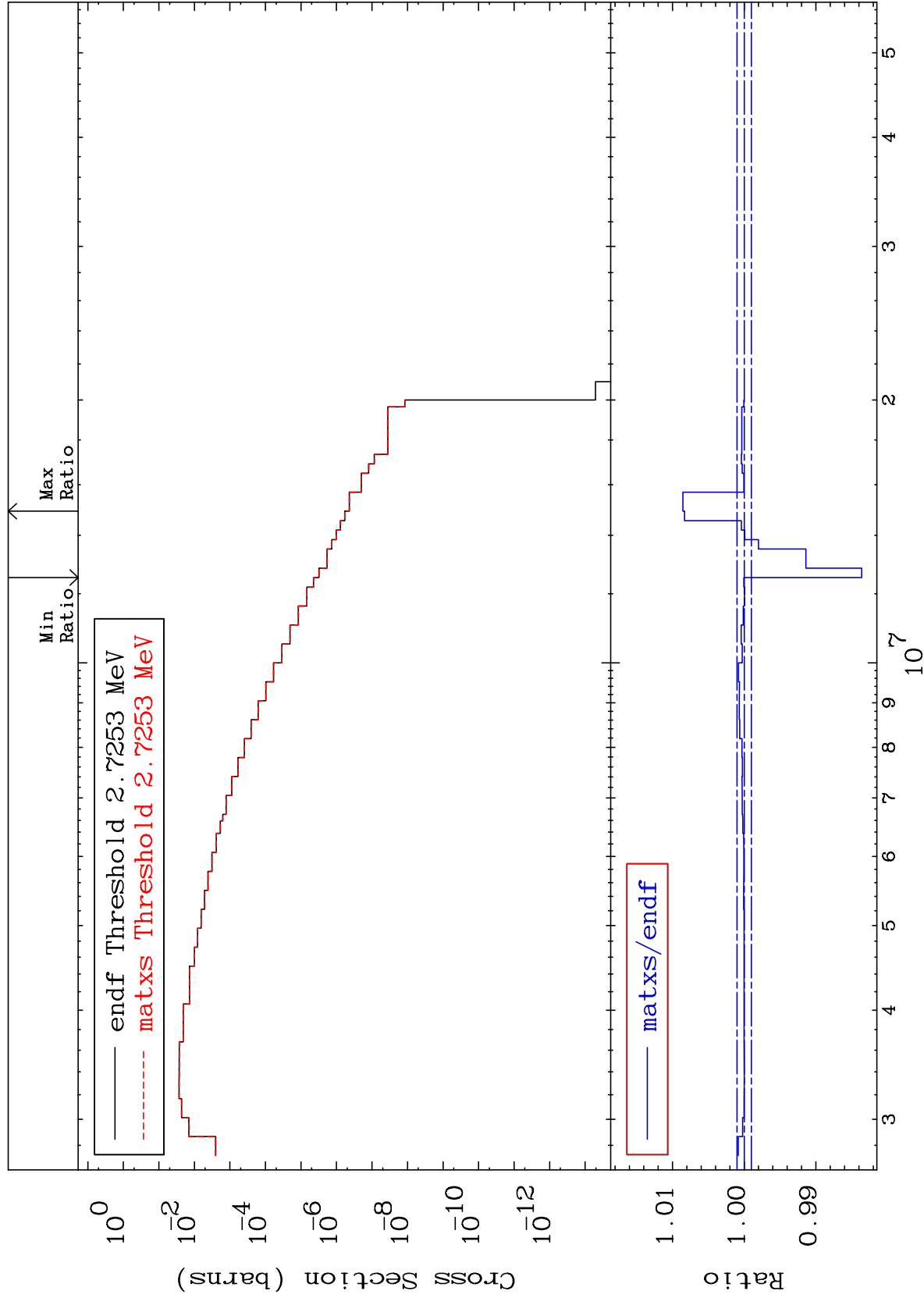
Incident Energy (eV)

32-Ge-72

MAT 3231

2.754 MeV (n,n') Level
Cross Section

32-Ge-72
-1.638 To 0.854 %



18

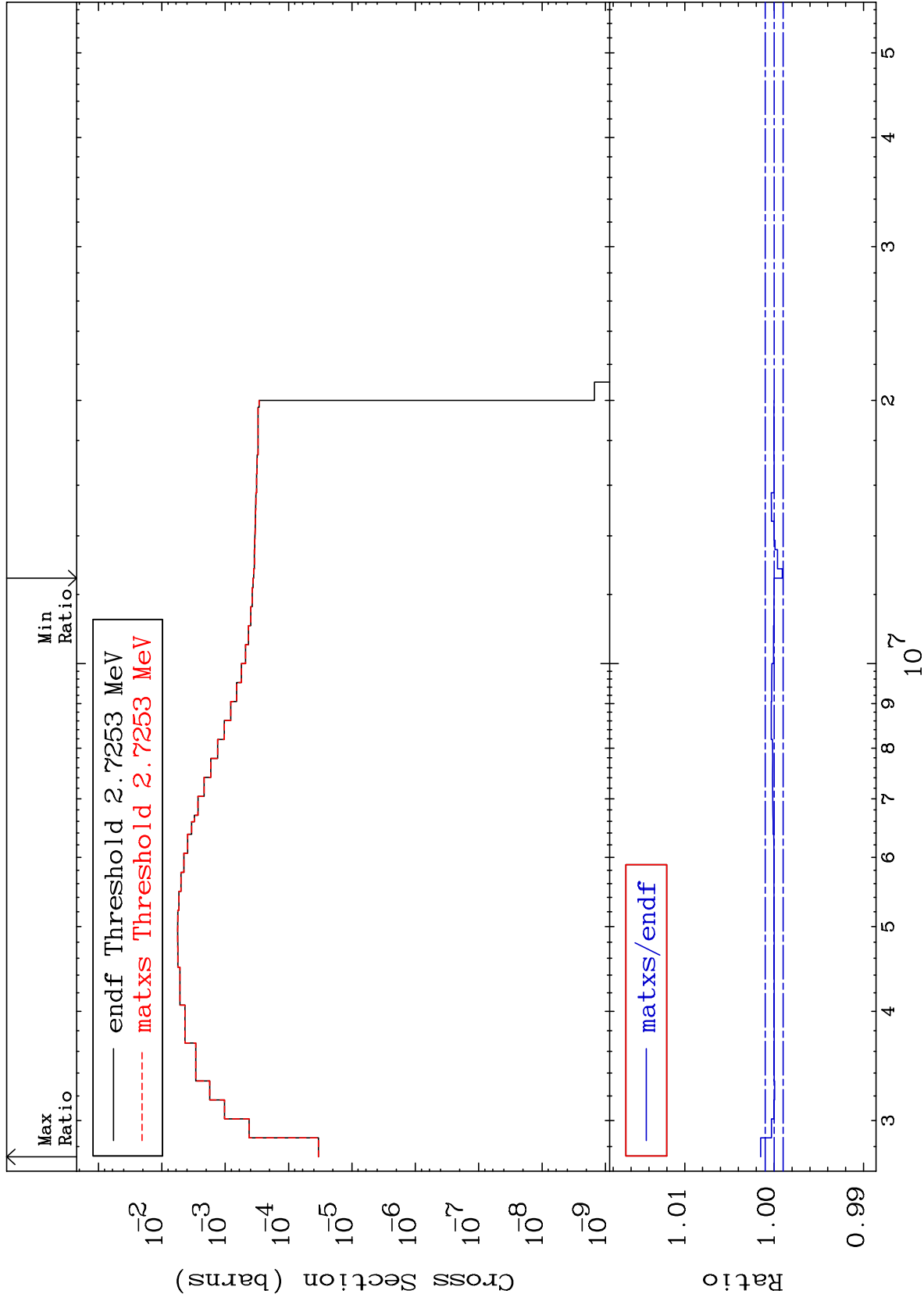
Incident Energy (eV)

32-Ge-72

MAT 3231

2.772 MeV (n,n') Level
Cross Section

32-Ge-72
-0.091 To 0.152 %



19

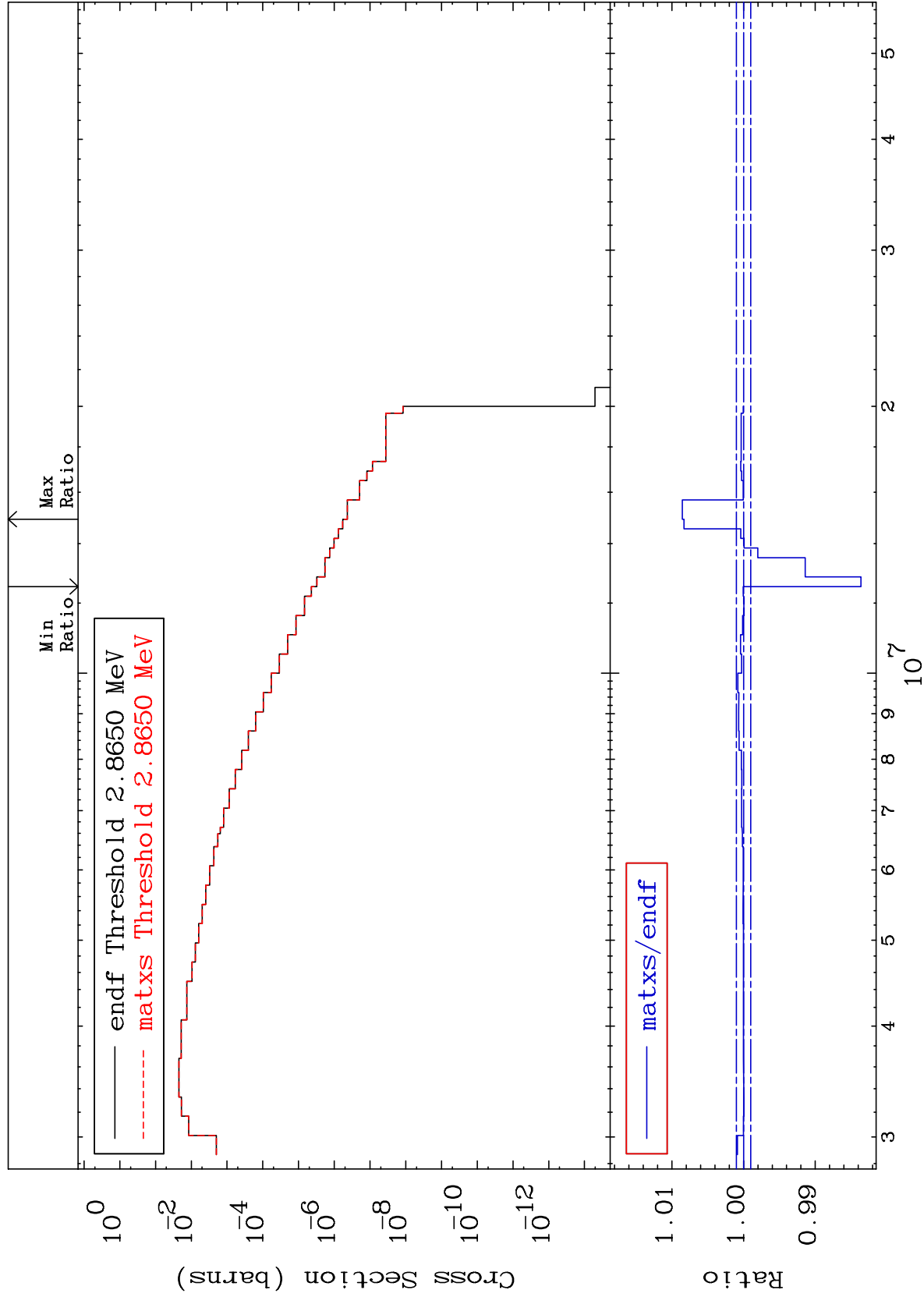
Incident Energy (eV)

32-Ge-72

MAT 3231

2.897 MeV (n,n') Level
Cross Section

32-Ge-72
-1.637 To 0.854 %



20

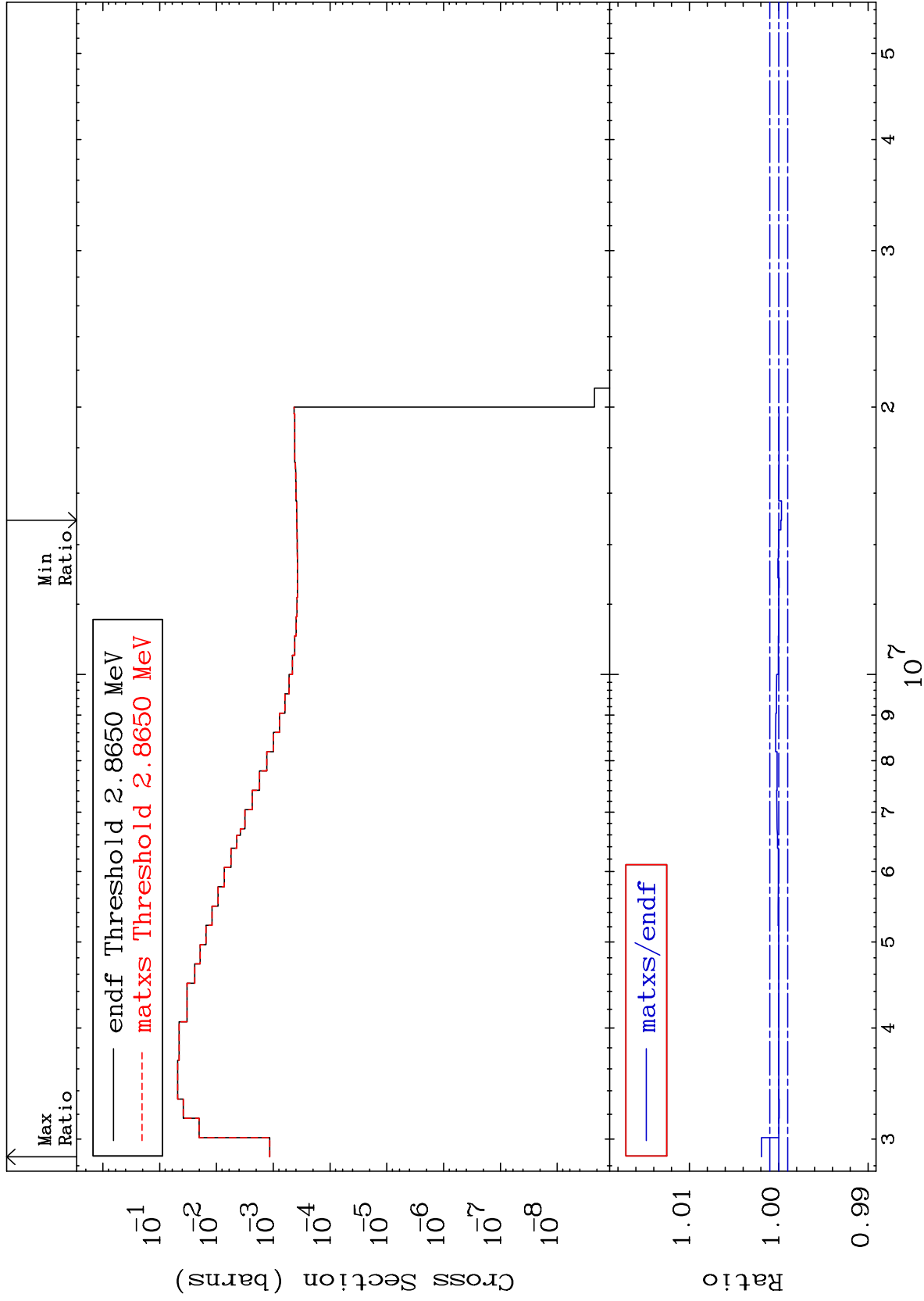
Incident Energy (eV)

32-Ge-72

MAT 3231

2.940 MeV (n,n') Level
Cross Section

32-Ge-72
-0.029 To 0.195 %



21

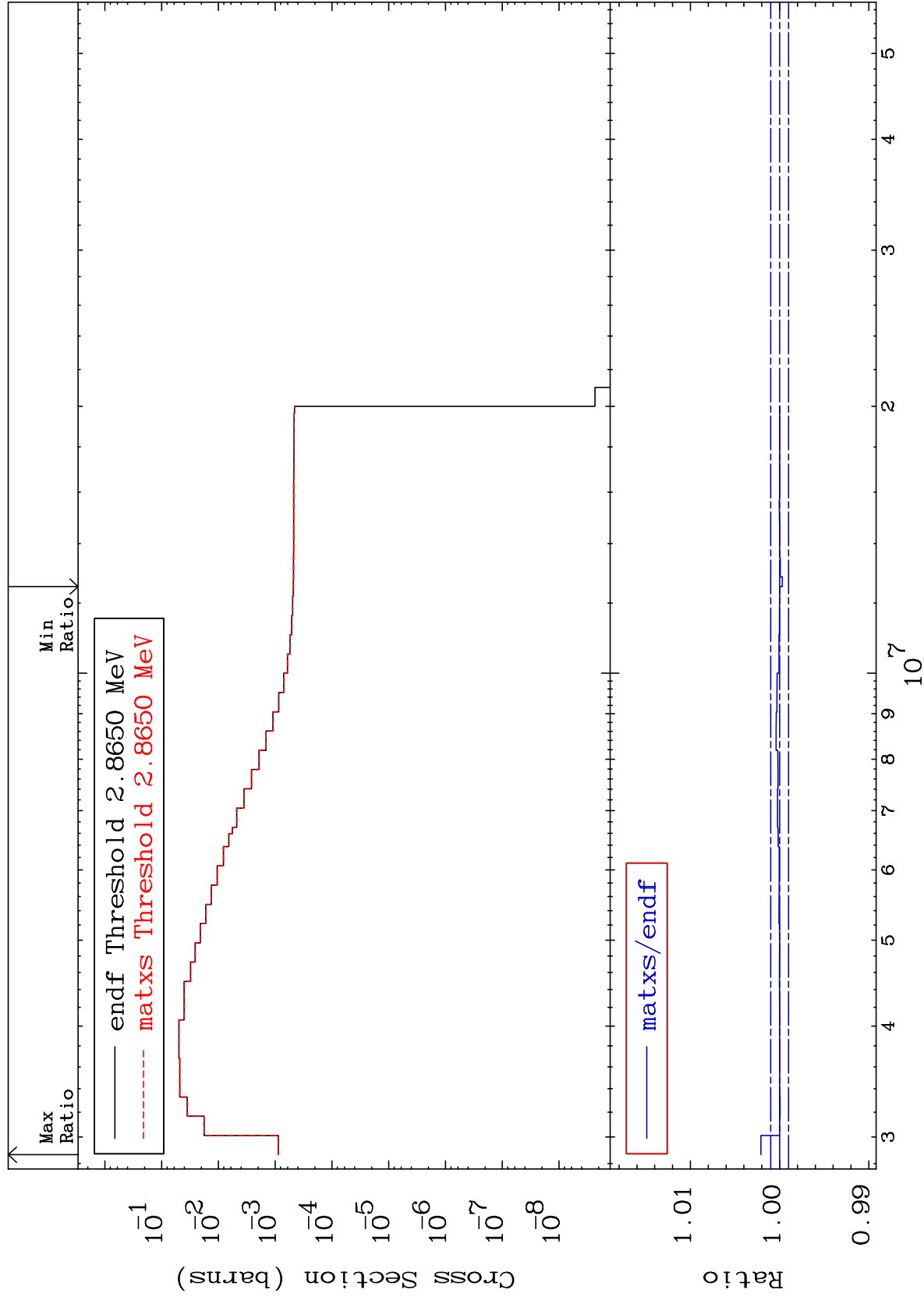
Incident Energy (eV)

32-Ge-72

MAT 3231

2.943 MeV (n,n') Level
Cross Section

32-Ge-72
-0.030 To 0.209 %



22

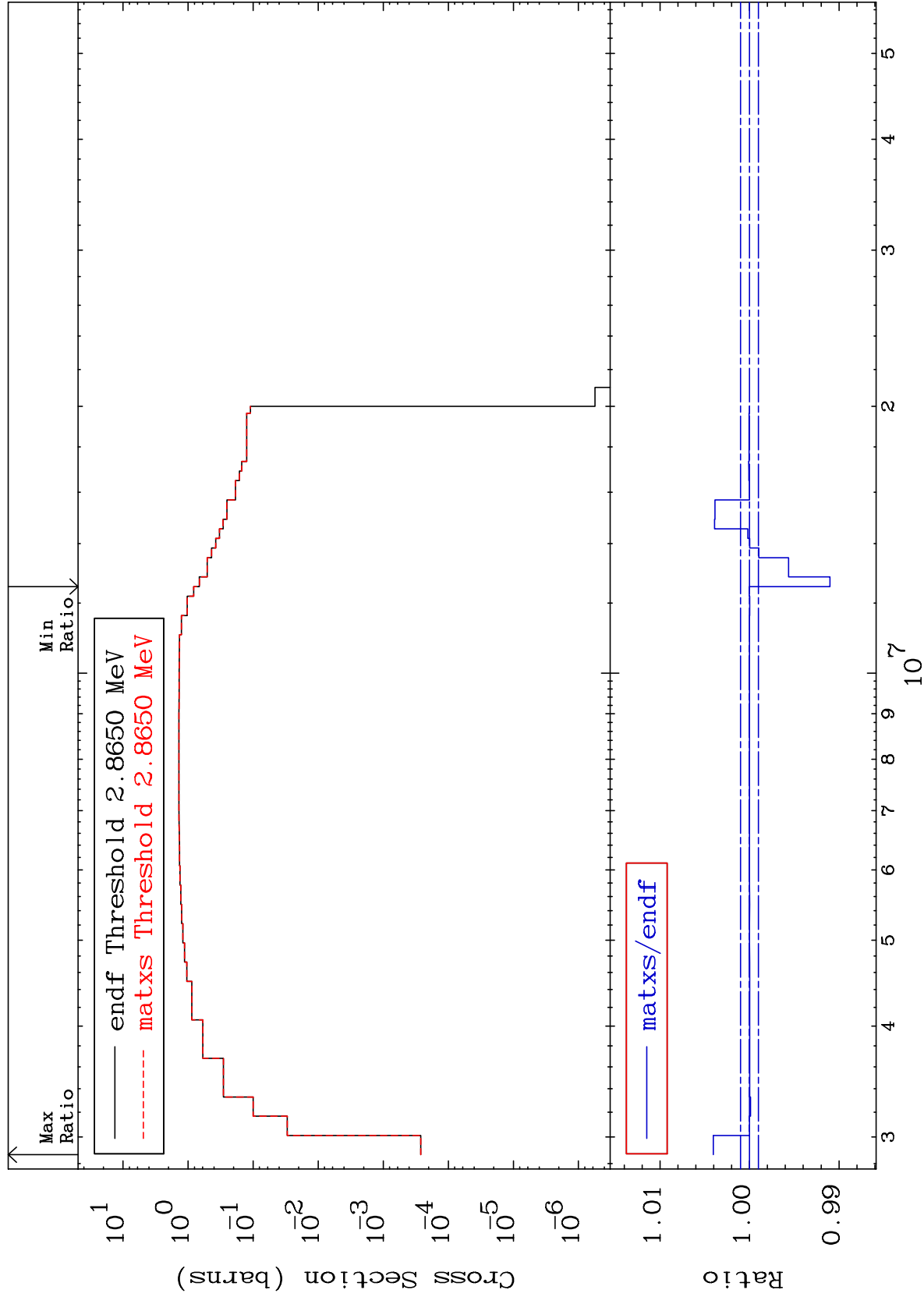
Incident Energy (eV)

32-Ge-72

MAT 3231

(n, n') Continuum
Cross Section

32-Ge-72
-0.898 To 0.404 %



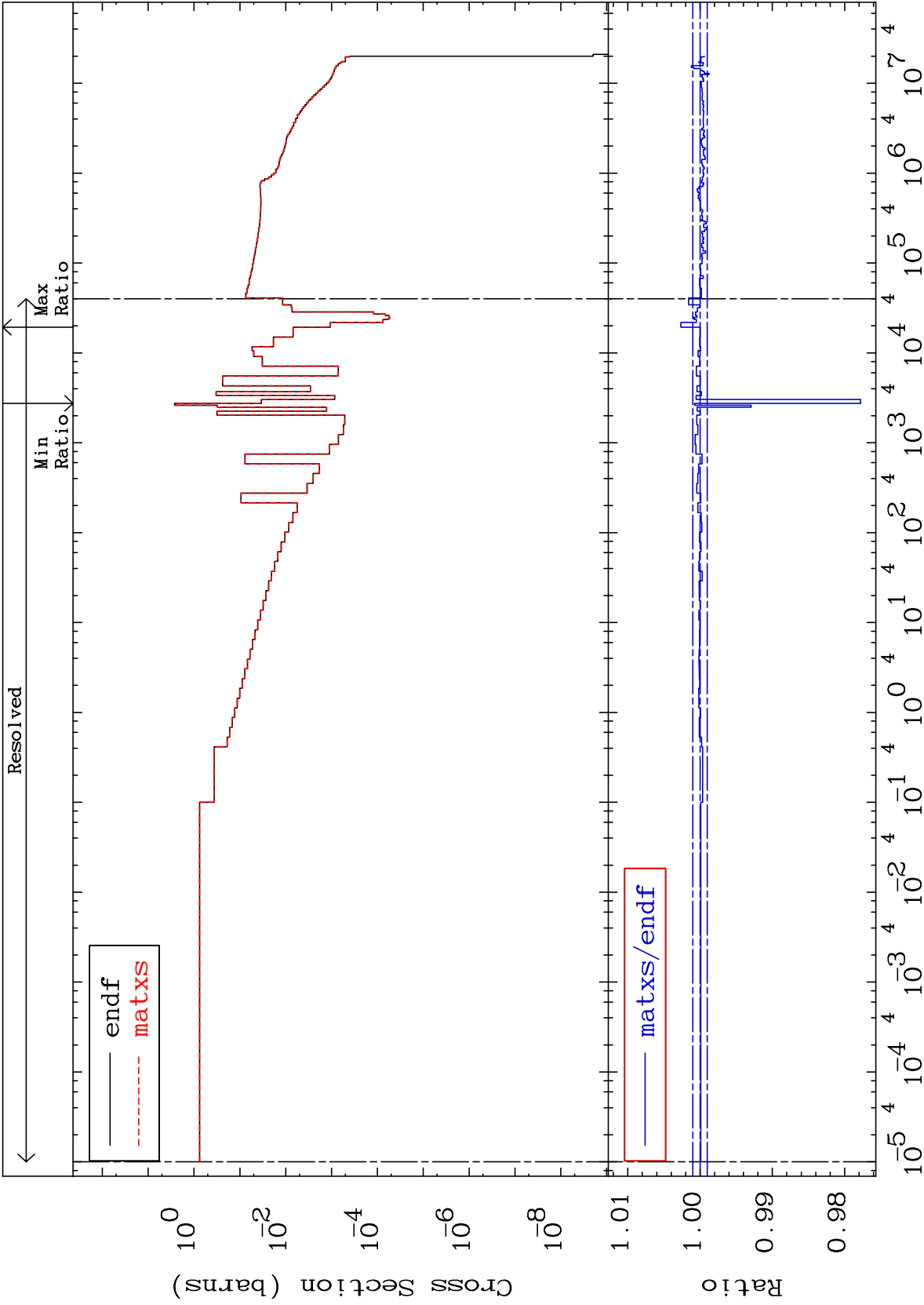
MAT 3231

(n, γ)

32-Ge-72

Cross Section

-2.221 To 0.265 %



MAT 3231

(n,p)

32-Ge-72

Cross Section

-0.056 To 0.287 %

Min Ratio

Max Ratio

— endf Threshold 3.3287 MeV
- - - matxs Threshold 3.3287 MeV

— matxs/endlf

10⁰
10⁻²
10⁻⁴
10⁻⁶
10⁻⁸
10⁻¹⁰
10⁻¹²
10⁻¹⁴
1.01
1.00
0.99

Cross Section (barns)

Ratio

10⁷

Incident Energy (eV)

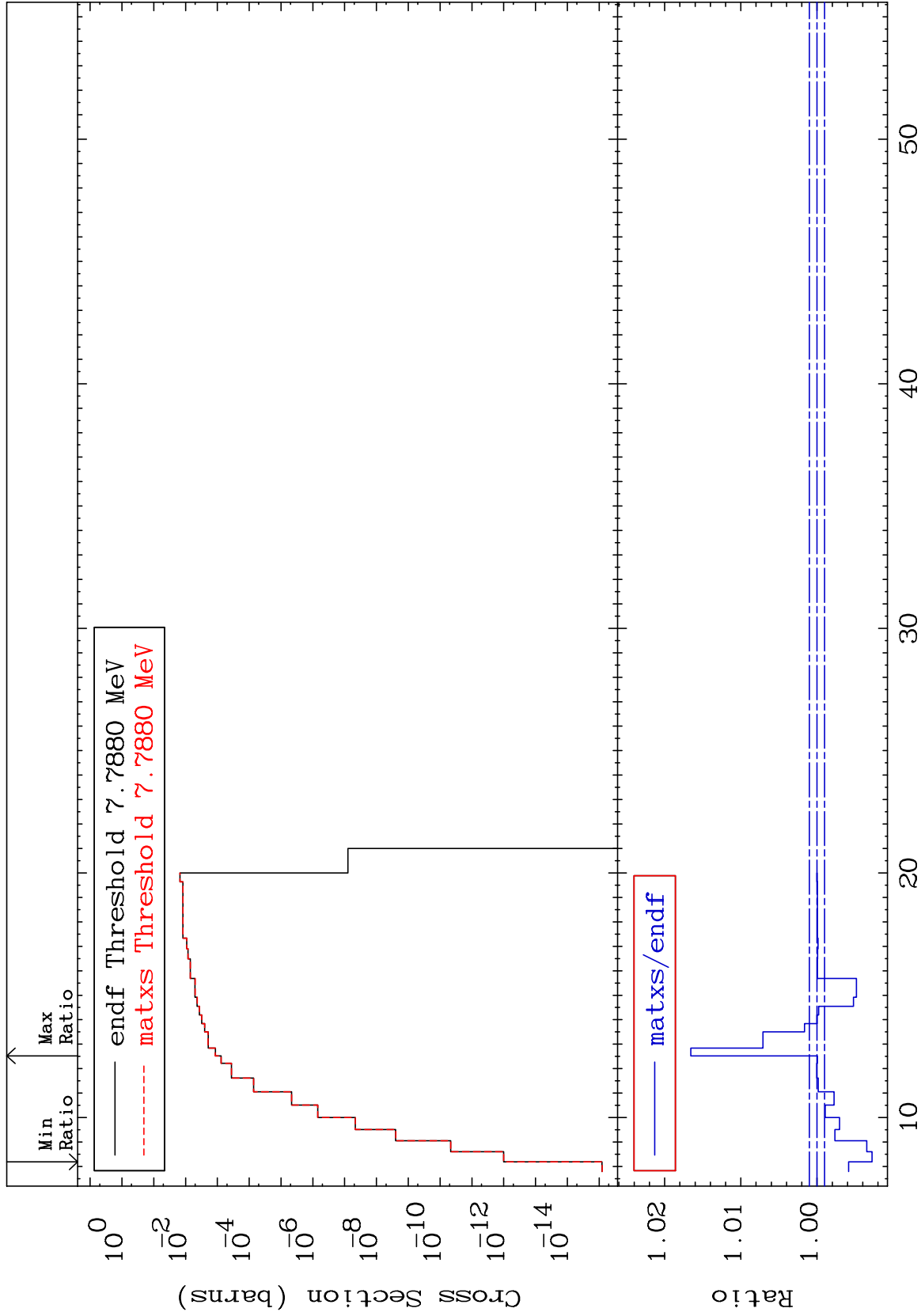
32-Ge-72

25

MAT 3231

(n,d)
Cross Section

32-Ge-72
-0.722 To 1.656 %



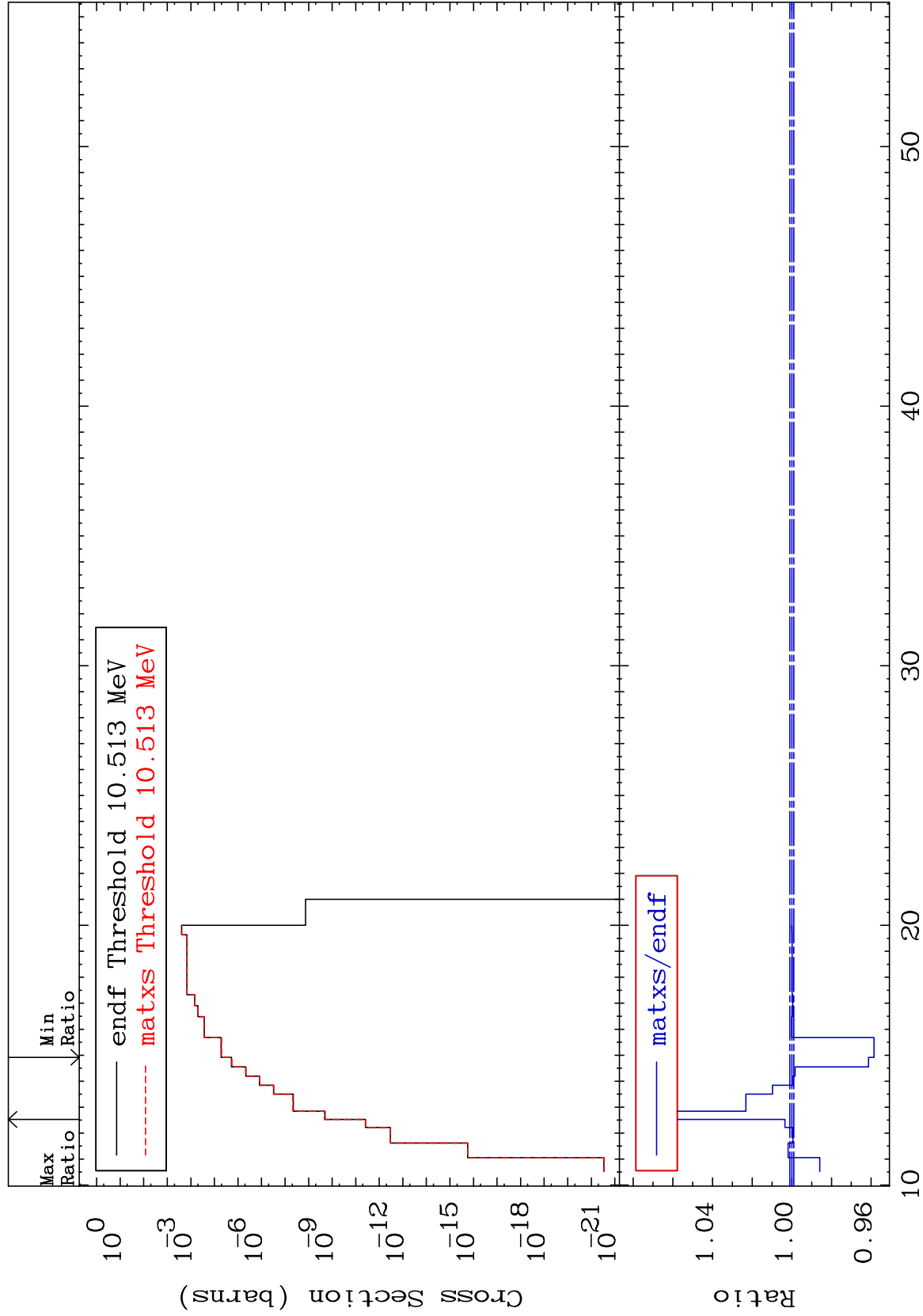
MAT 3231

(n, t)

³²Ge-72

Cross Section

-4.145 To 7.018 %



27

Incident Energy (MeV)

³²Ge-72

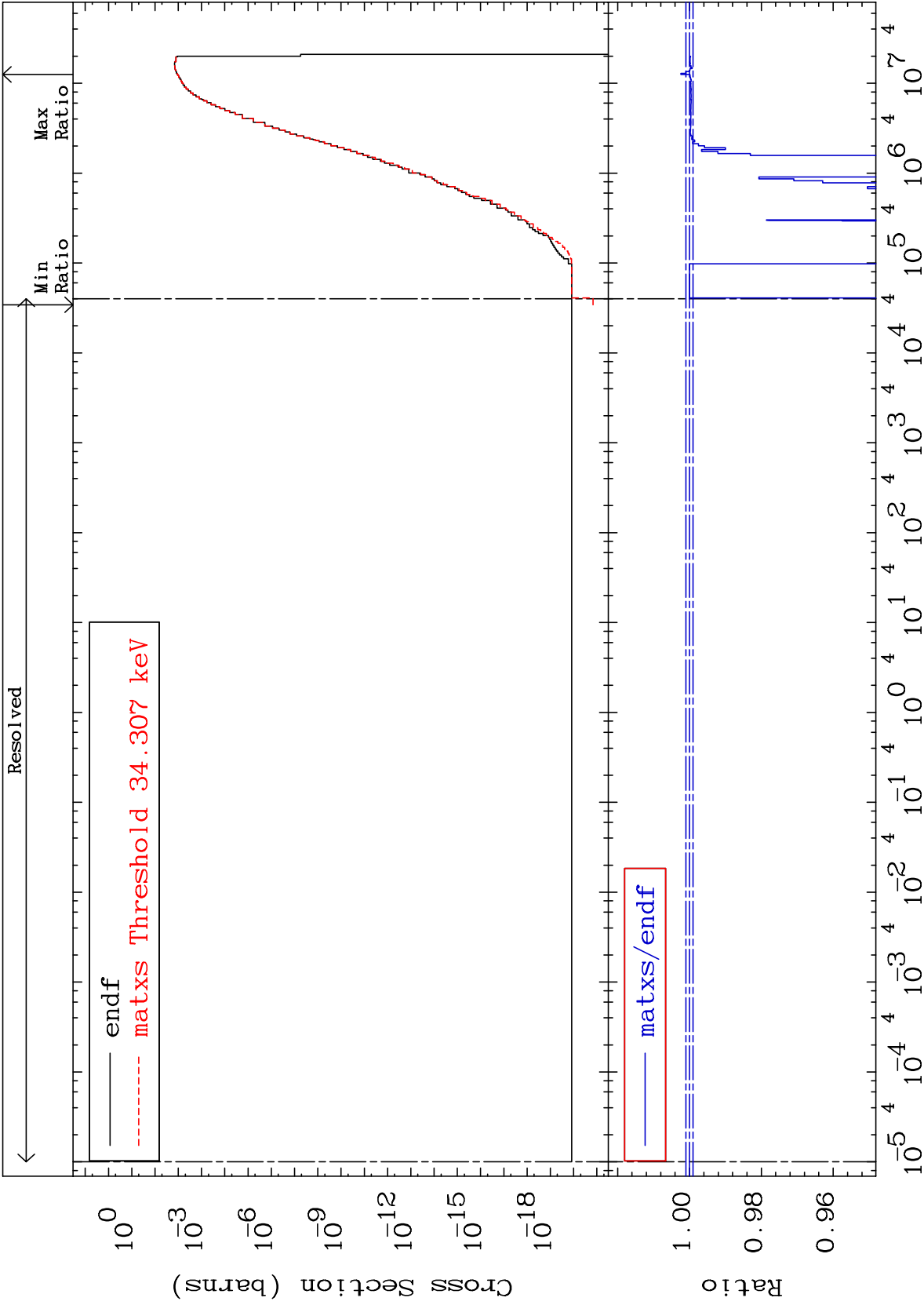
MAT 3231

(n, α)

Cross Section

³²Ge-72

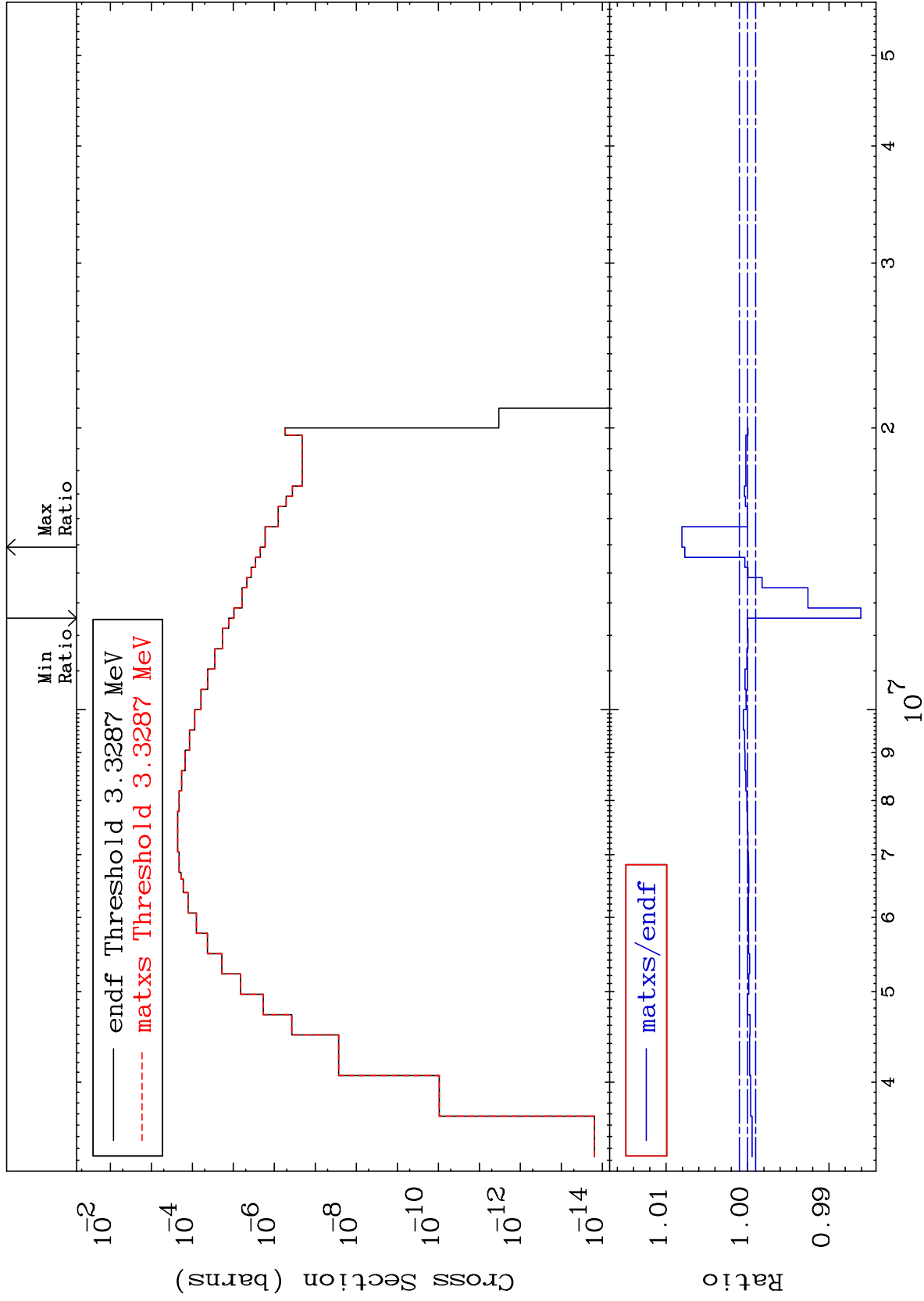
-87.74 To 0.238 %



MAT 3231

(n, p') Ground
Cross Section

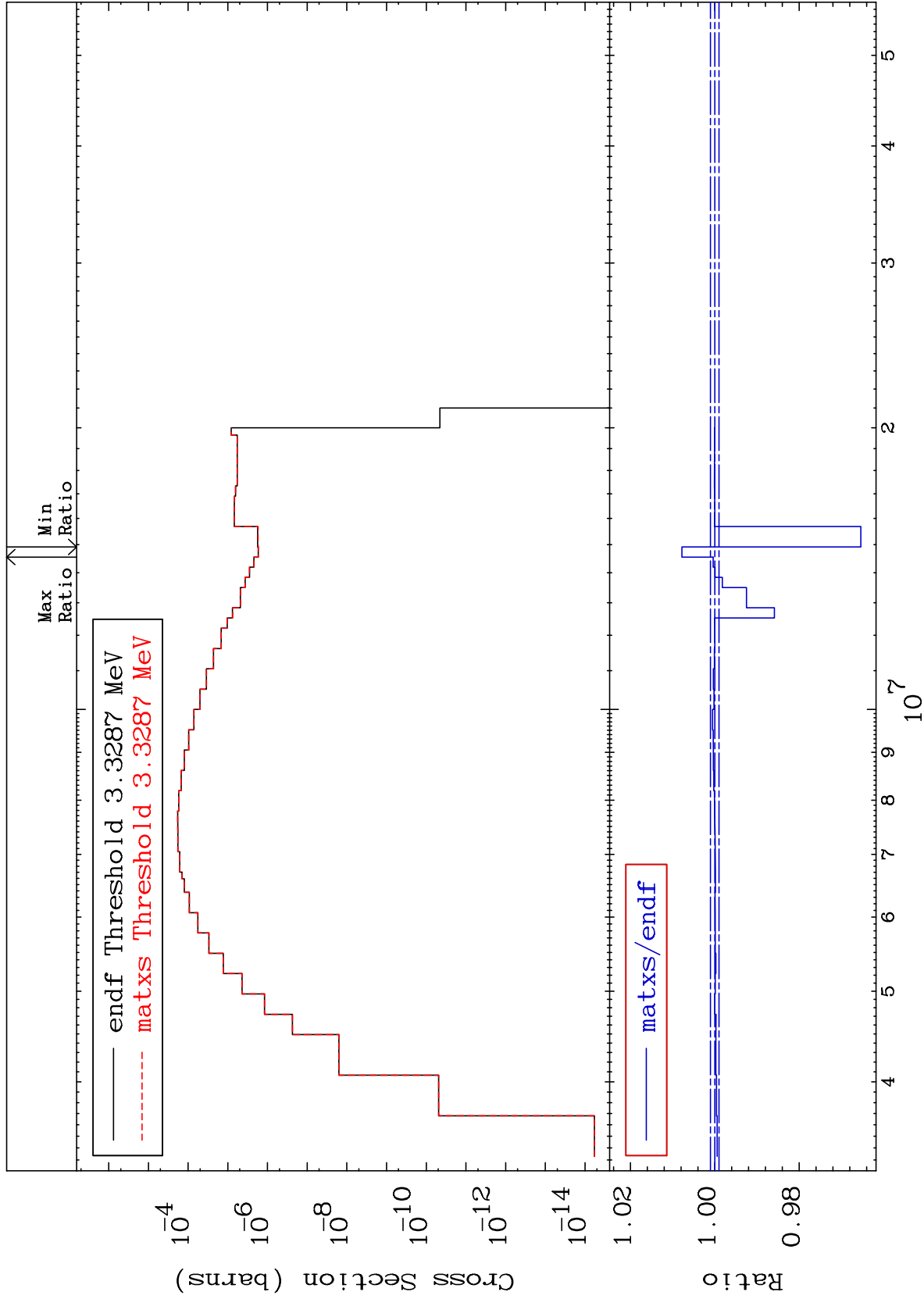
32-Ge-72
-1.391 To 0.806 %



MAT 3231

16.44 keV (n,p') Level
Cross Section

32-Ge-72
-3.464 To 0.777 %



30

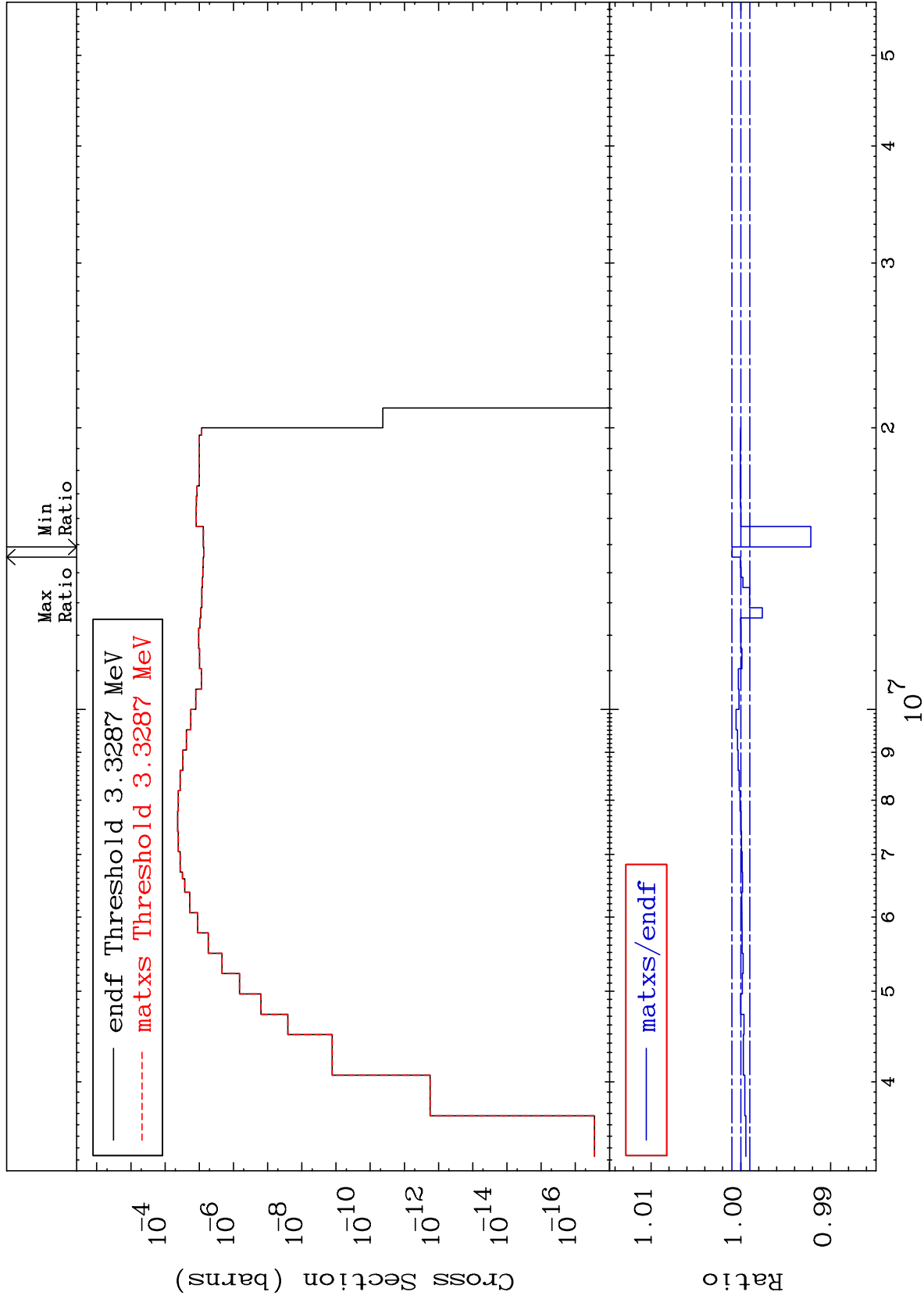
Incident Energy (eV)

32-Ge-72

MAT 3231

119.7 keV (n,p') Level
Cross Section

32-Ge-72
-0.780 To 0.097 %



31

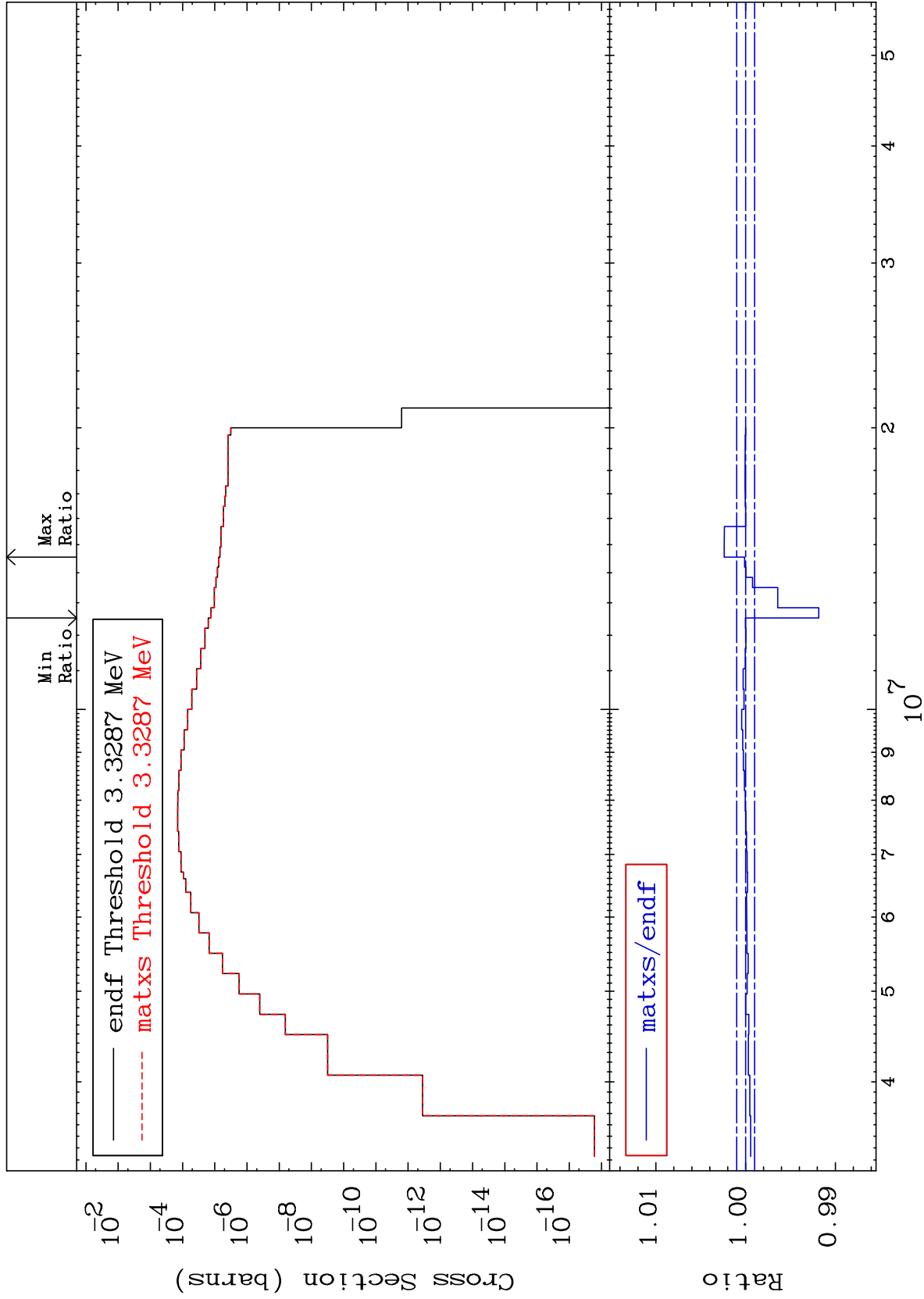
Incident Energy (eV)

32-Ge-72

MAT 3231

128.8 keV (n,p') Level
Cross Section

32-Ge-72
-0.814 To 0.240 %



32

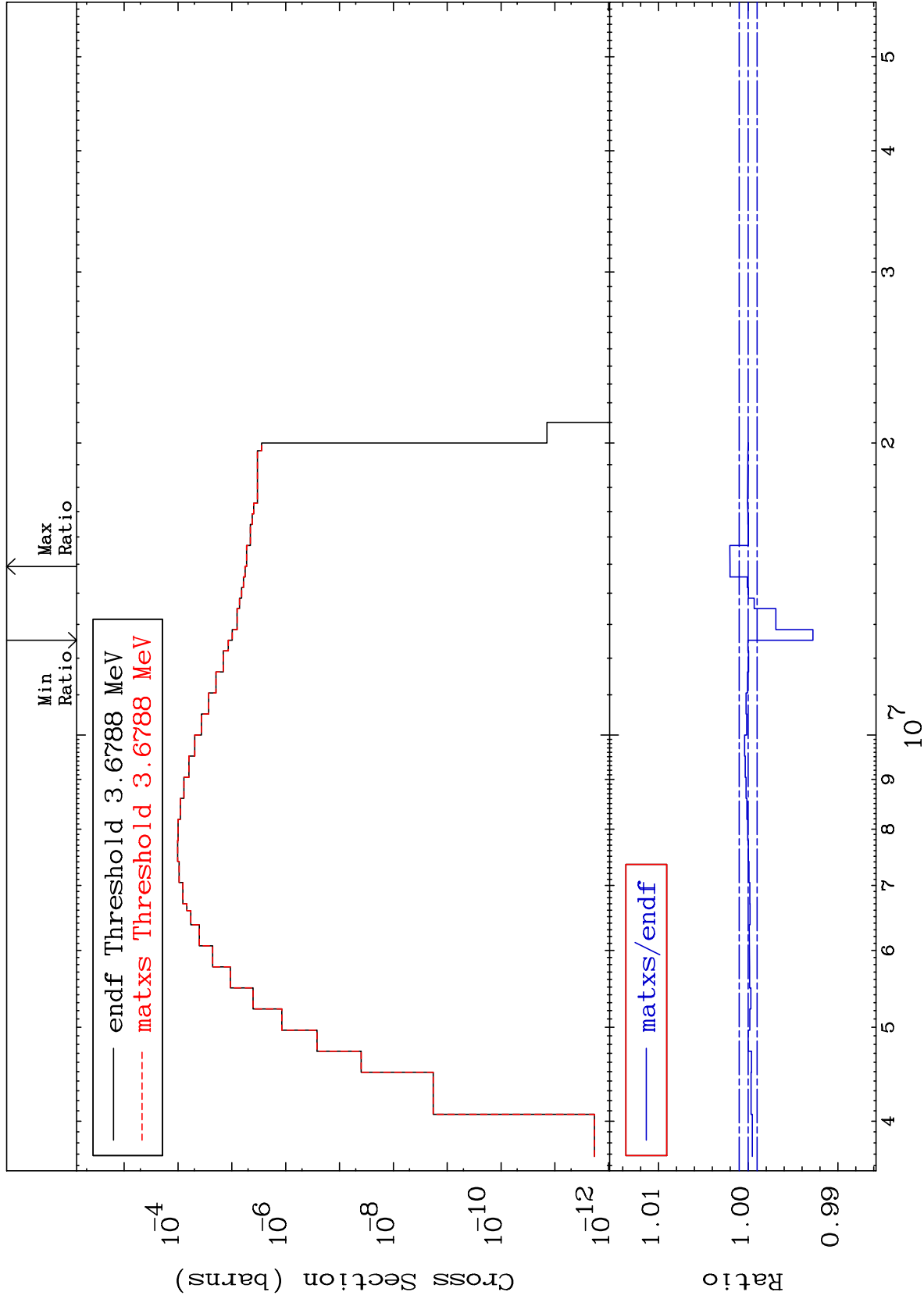
Incident Energy (eV)

32-Ge-72

MAT 3231

161.5 keV (n,p') Level
Cross Section

32-Ge-72
-0.722 To 0.206 %



33

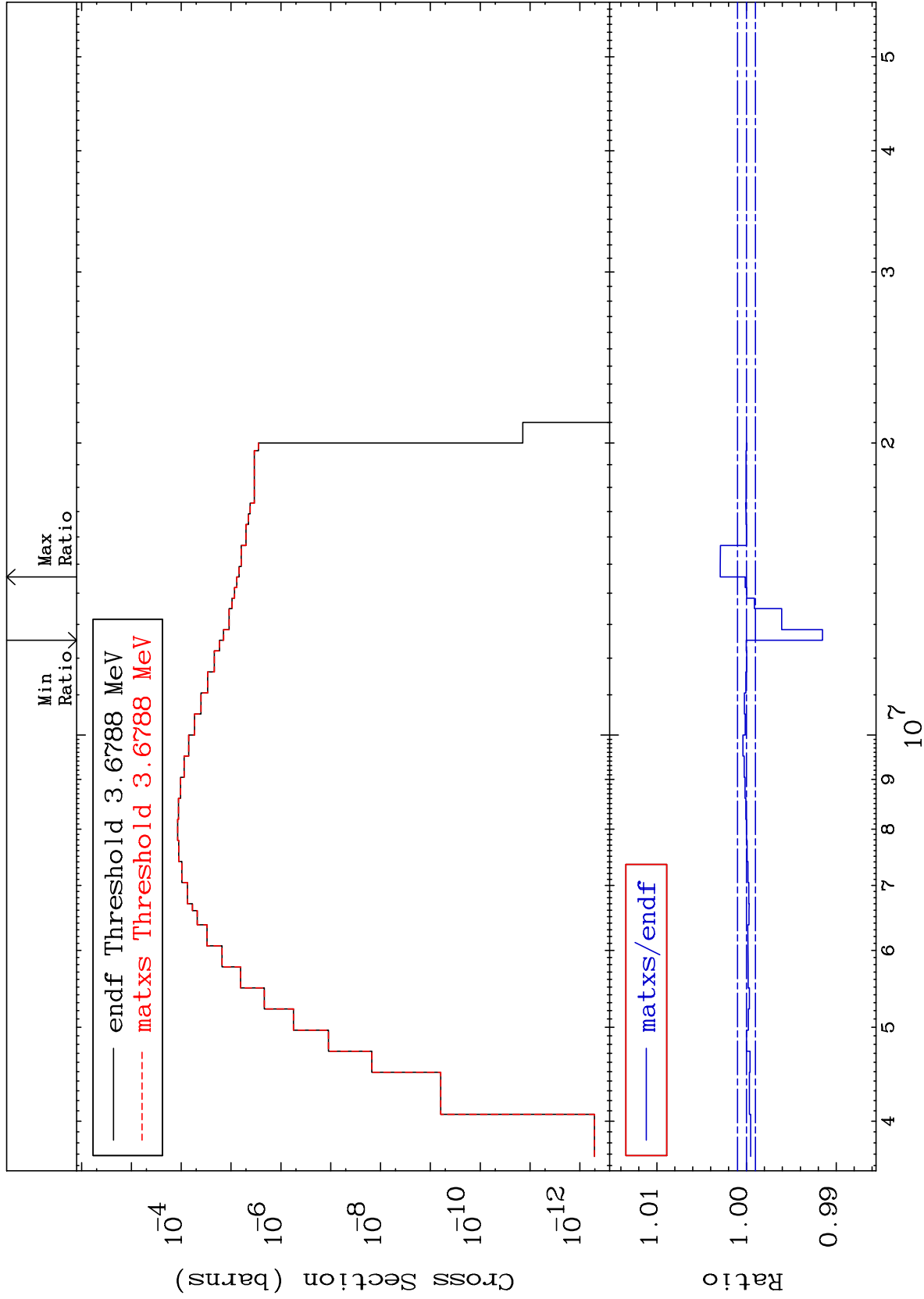
Incident Energy (eV)

32-Ge-72

MAT 3231

165.5 keV (n,p') Level
Cross Section

32-Ge-72
-0.847 To 0.293 %



34

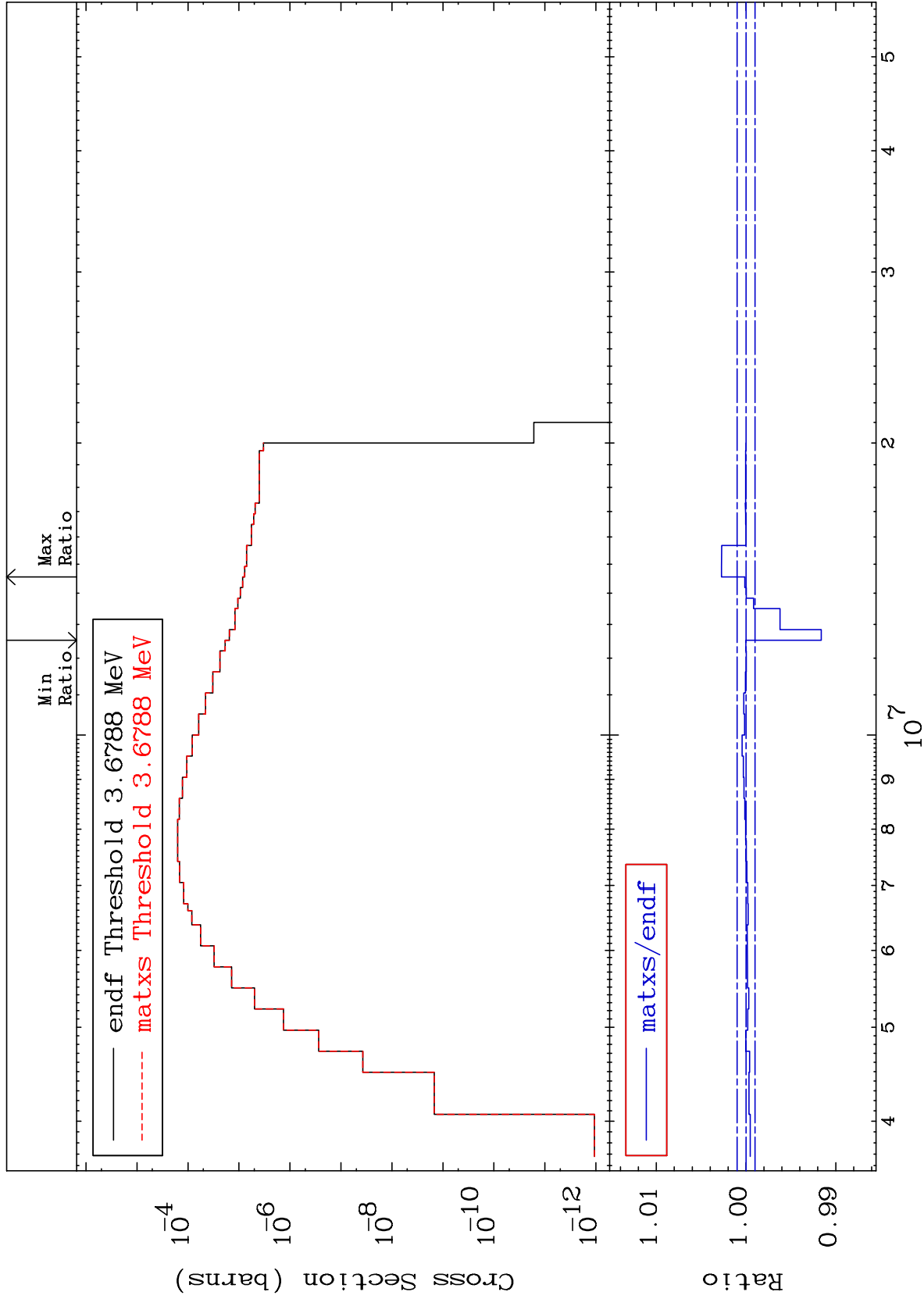
Incident Energy (eV)

32-Ge-72

MAT 3231

197.9 keV (n,p') Level
Cross Section

32-Ge-72
-0.838 To 0.273 %



35

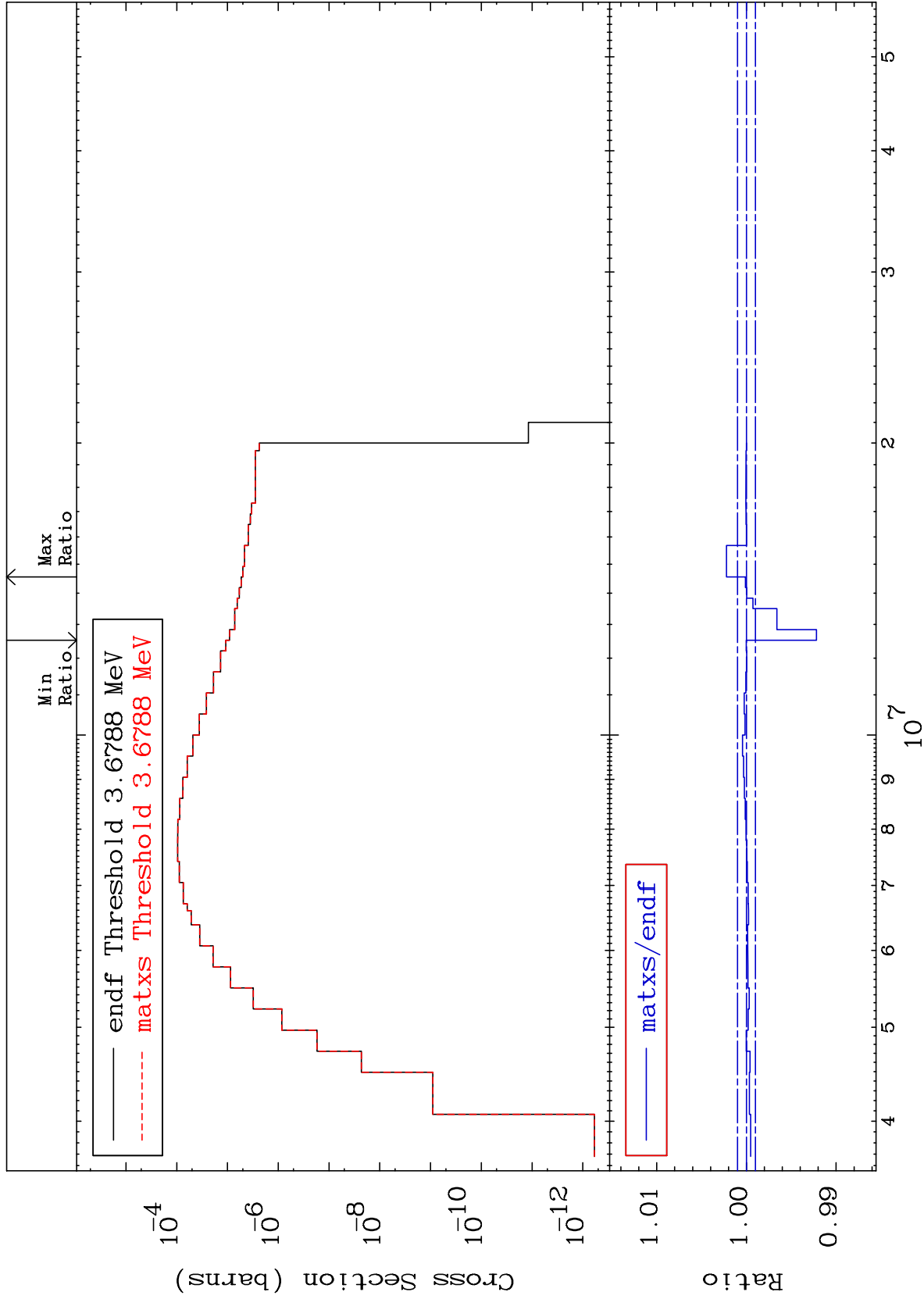
Incident Energy (eV)

32-Ge-72

MAT 3231

208.5 keV (n,p') Level
Cross Section

32-Ge-72
-0.780 To 0.224 %



36

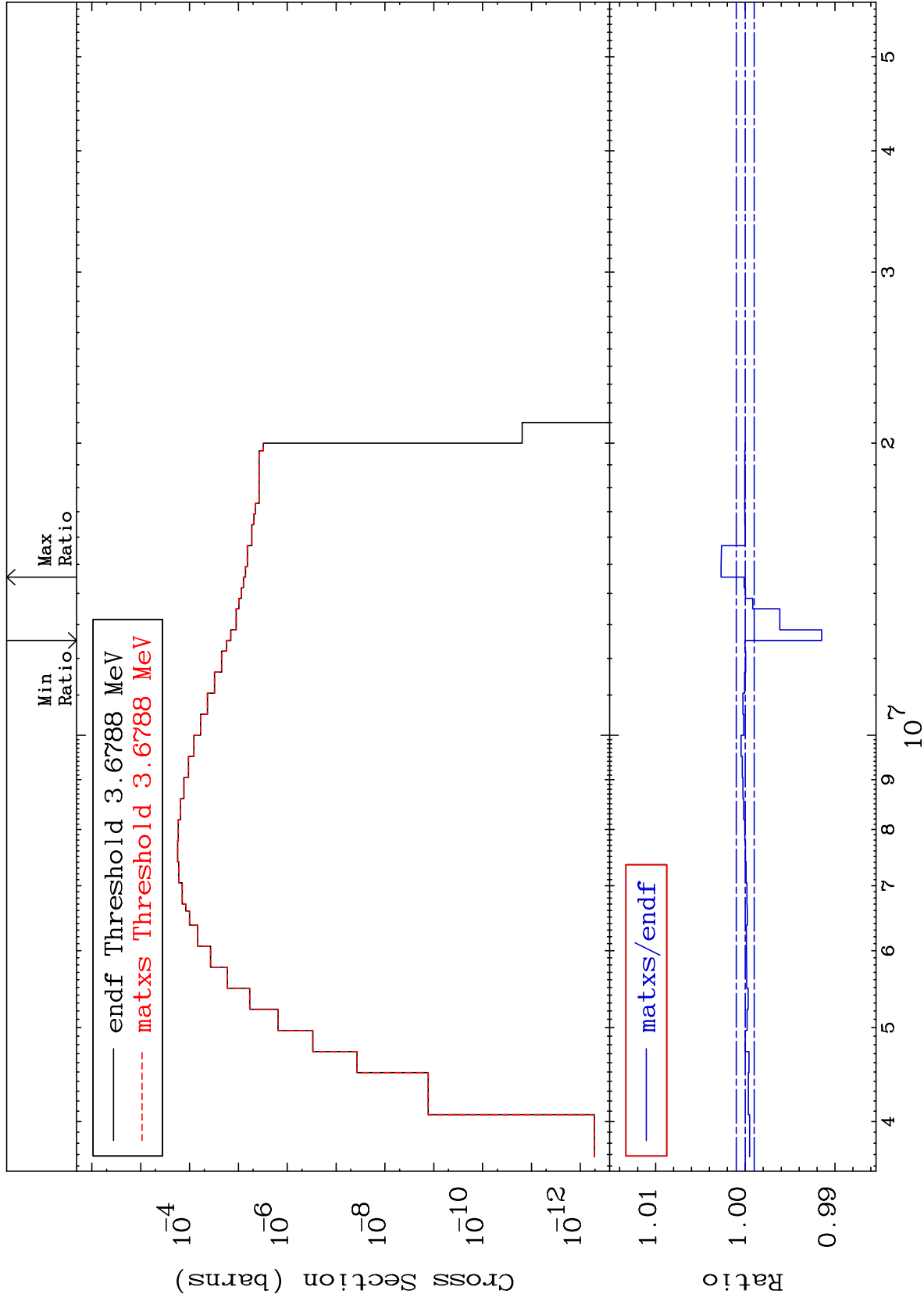
Incident Energy (eV)

32-Ge-72

MAT 3231

228.9 keV (n,p') Level
Cross Section

32-Ge-72
-0.851 To 0.269 %



37

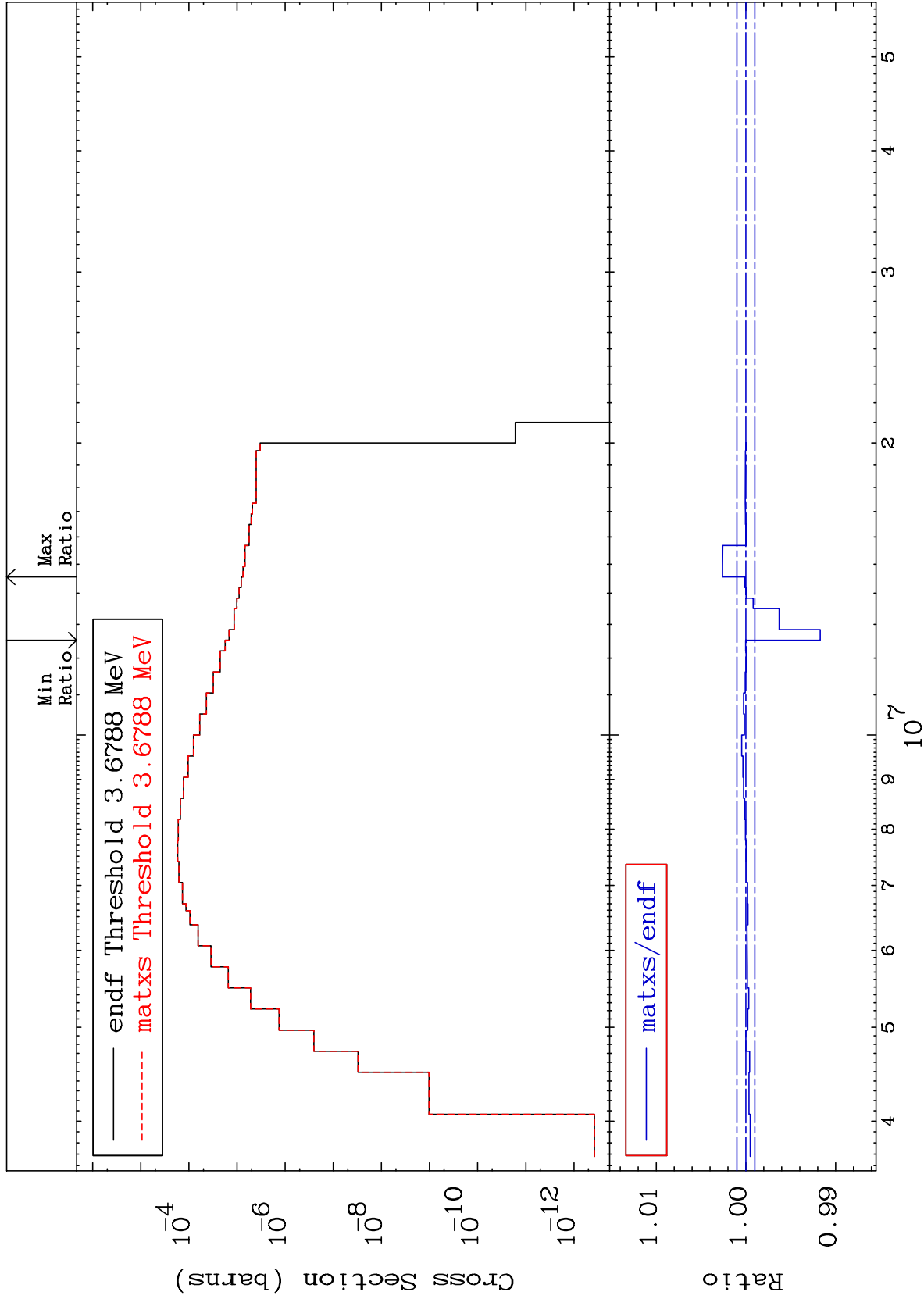
Incident Energy (eV)

32-Ge-72

MAT 3231

248.9 keV (n,p') Level
Cross Section

32-Ge-72
-0.829 To 0.260 %



38

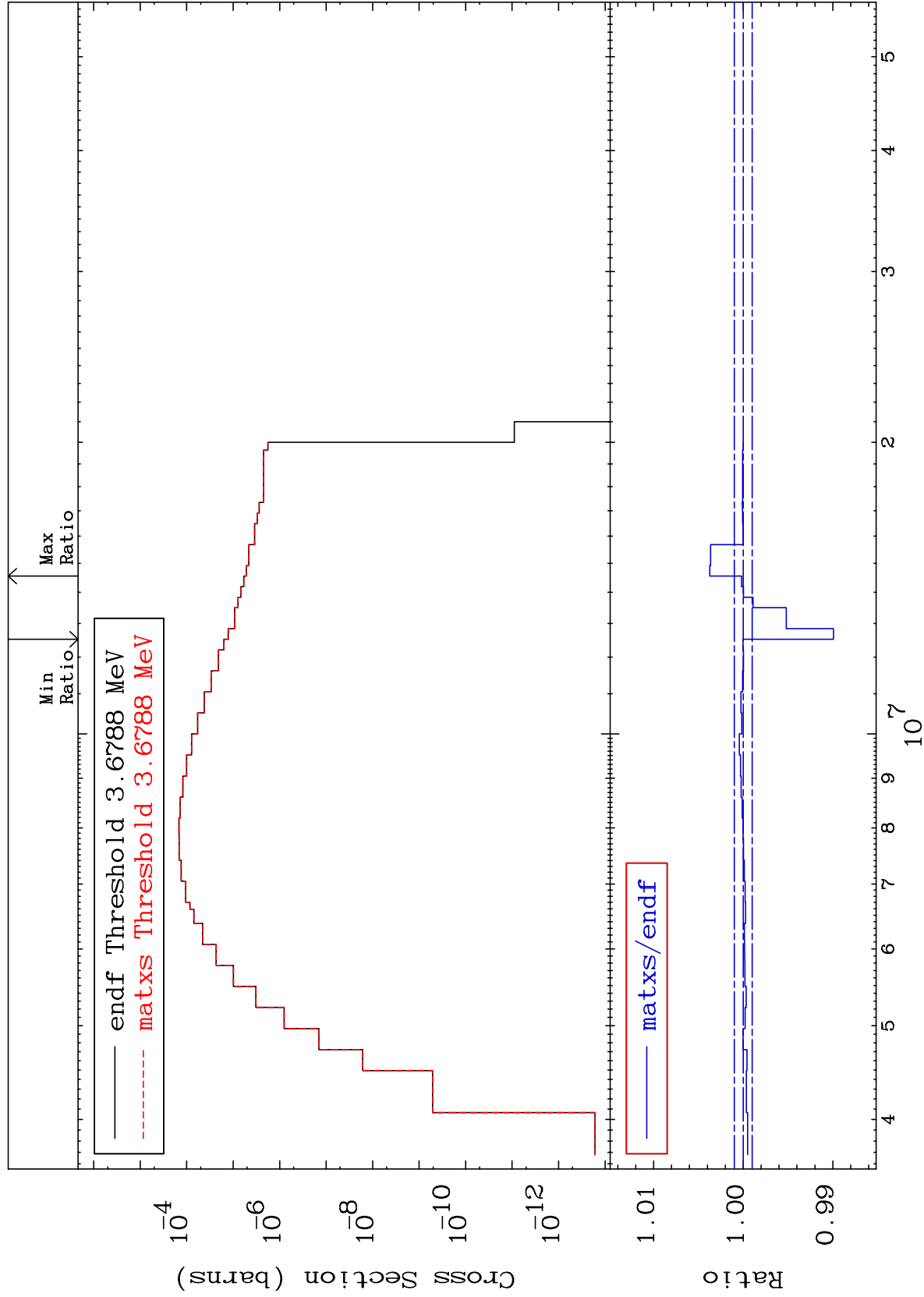
Incident Energy (eV)

32-Ge-72

MAT 3231

271.9 keV (n,p') Level
Cross Section

32-Ge-72
-1.007 To 0.373 %



39

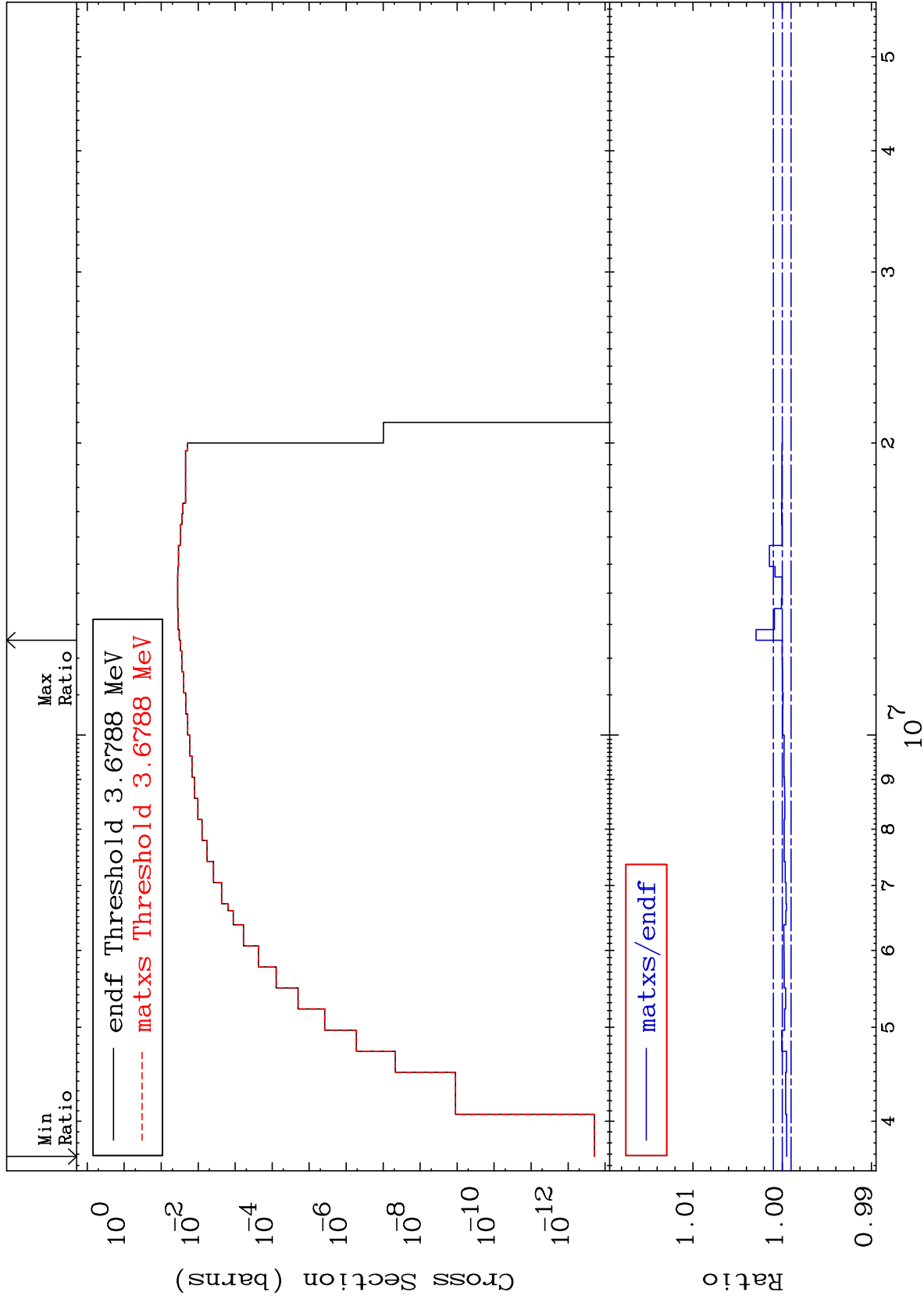
Incident Energy (eV)

32-Ge-72

MAT 3231

271.9 keV (n,p') Level
Cross Section

32-Ge-72
-0.050 To 0.292 %



40

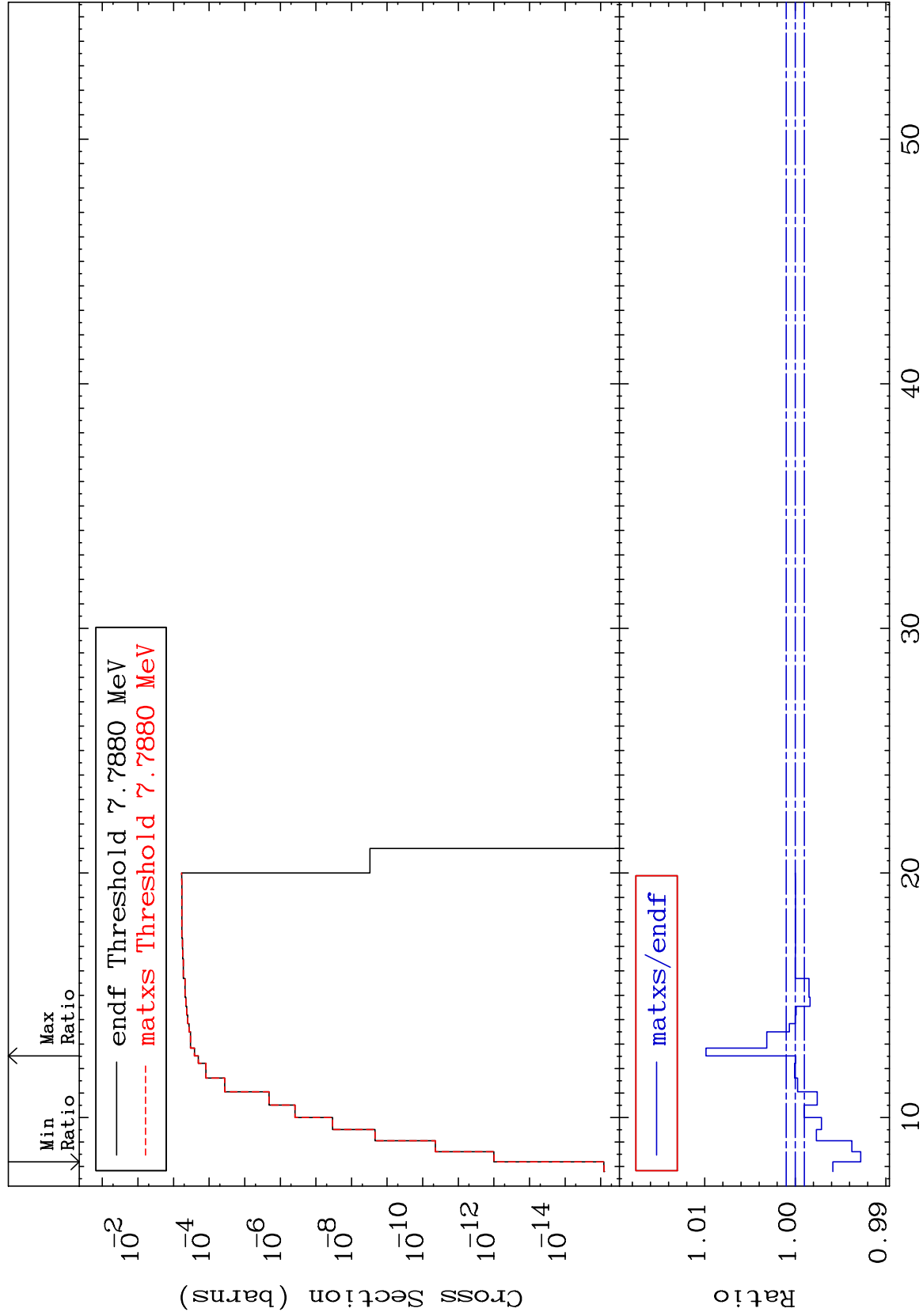
Incident Energy (eV)

32-Ge-72

MAT 3231

(n, d') Ground
Cross Section

32-Ge-72
-0.723 To 0.986 %



41

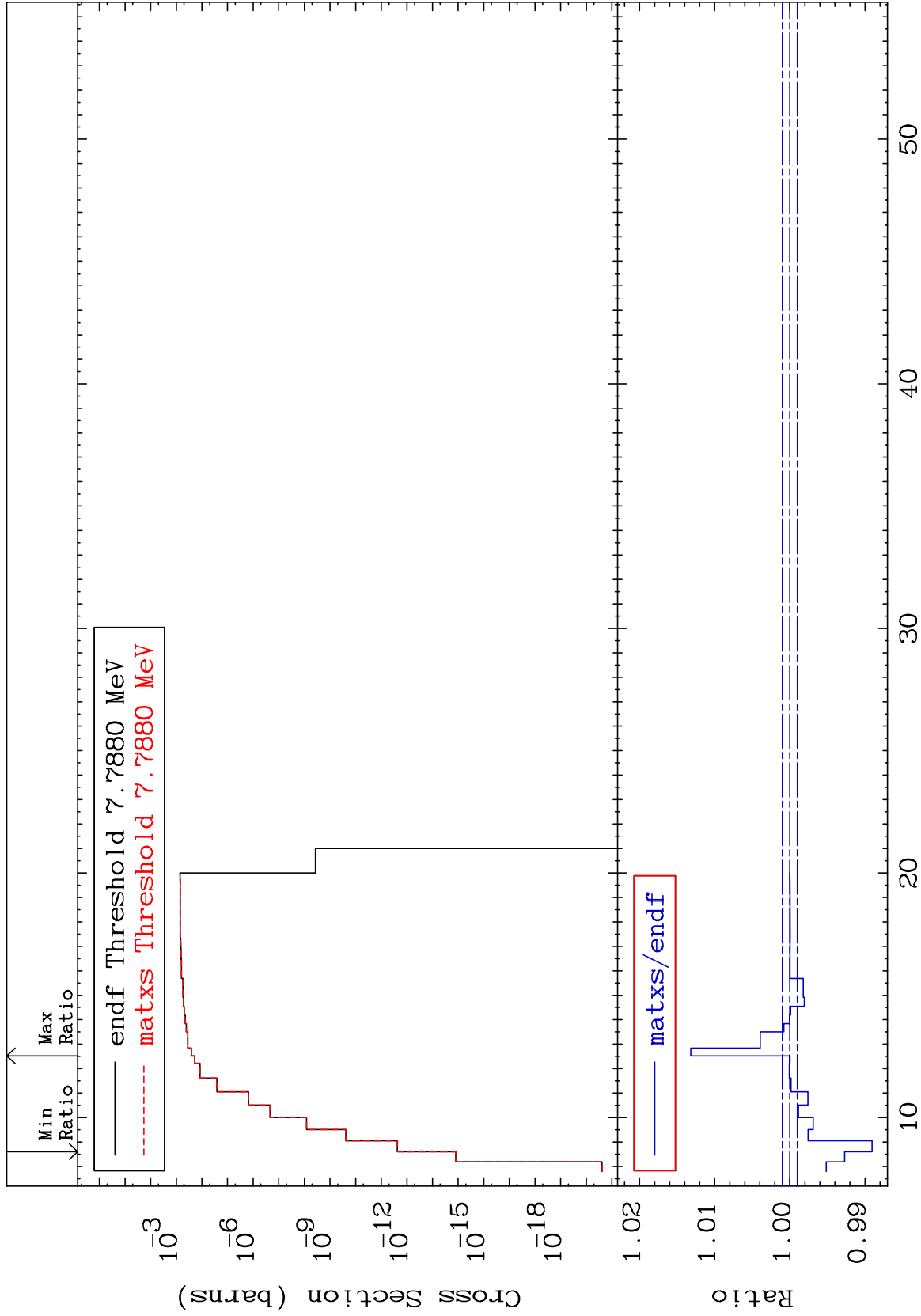
Incident Energy (MeV)

32-Ge-72

MAT 3231

390.0 keV (n,d') Level
Cross Section

32-Ge-72
-1.094 To 1.318 %



42

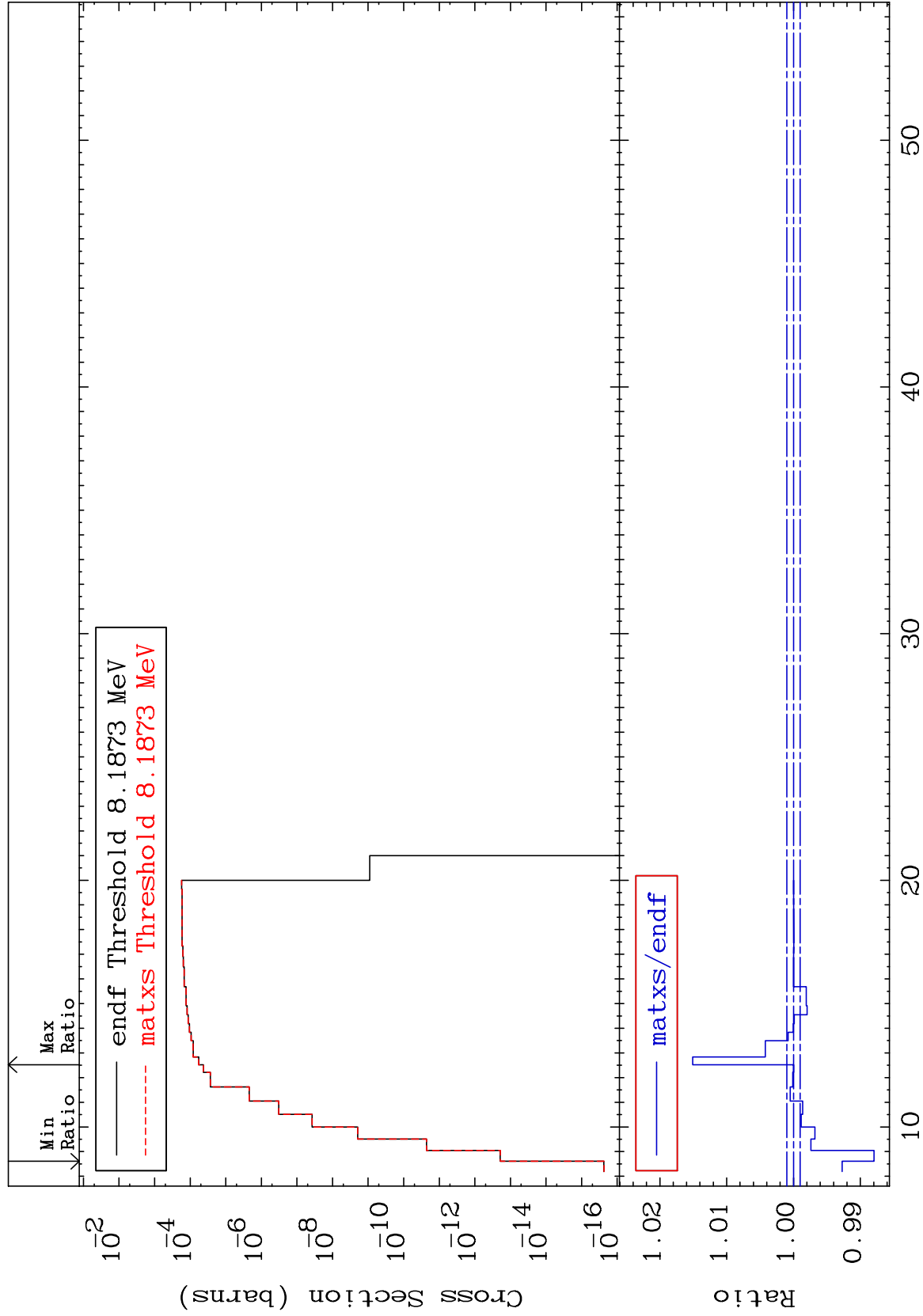
Incident Energy (MeV)

32-Ge-72

MAT 3231

487.3 keV (n,d') Level
Cross Section

32-Ge-72
-1.204 To 1.508 %



43

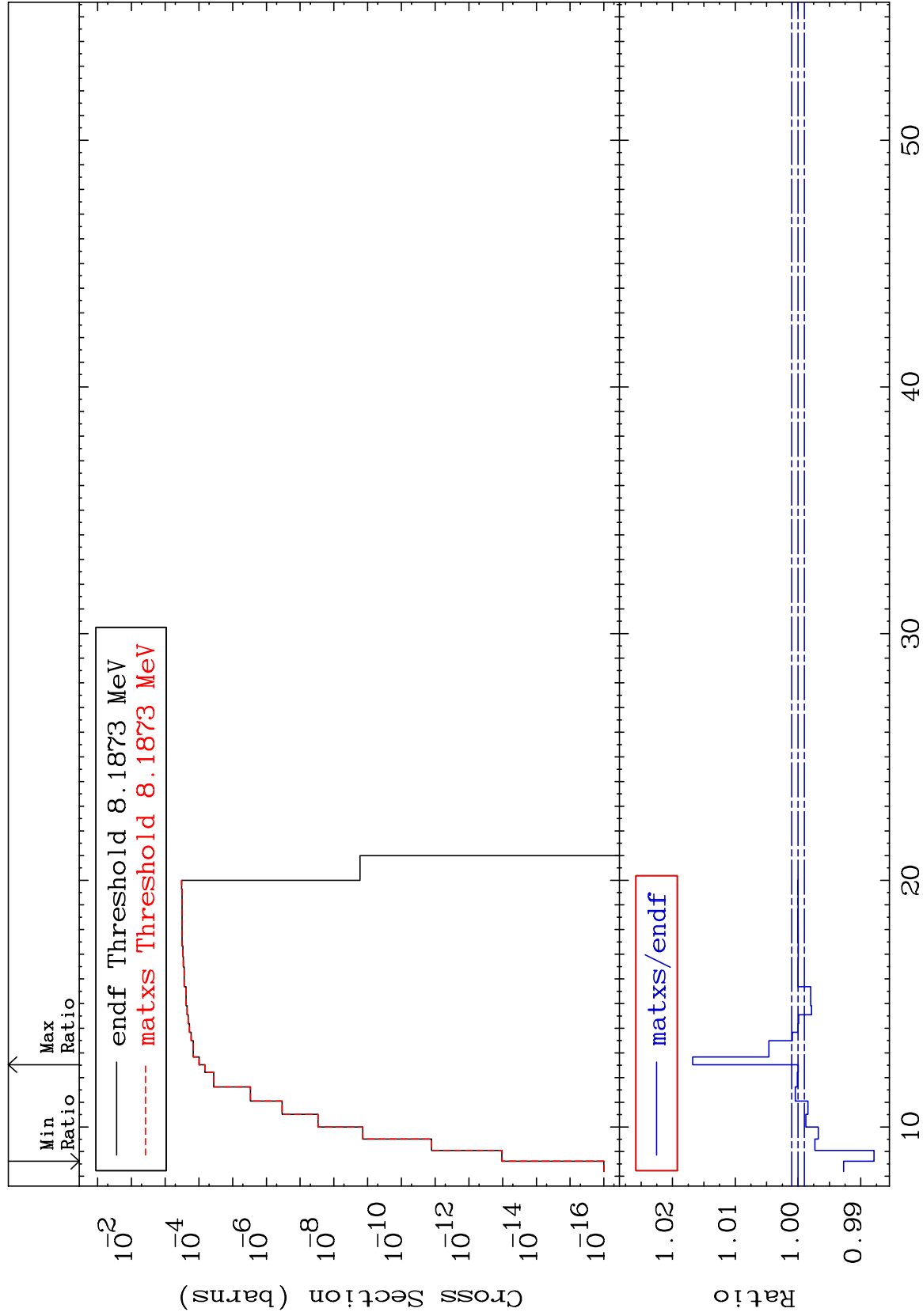
Incident Energy (MeV)

32-Ge-72

MAT 3231

511.5 keV (n,d') Level
Cross Section

32-Ge-72
-1.211 To 1.678 %



44

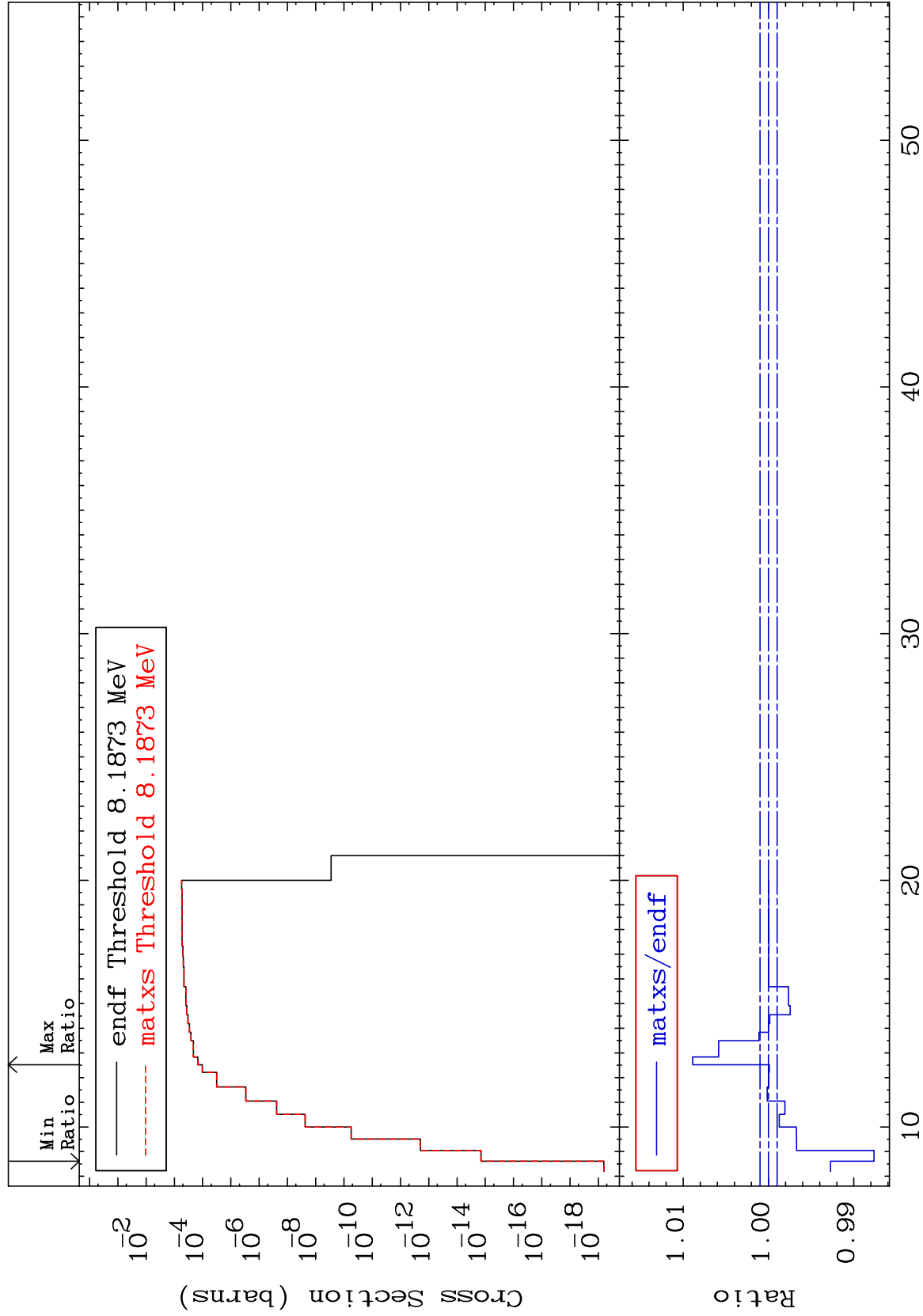
Incident Energy (MeV)

32-Ge-72

MAT 3231

714.0 keV (n,d') Level
Cross Section

32-Ge-72
-1.237 To 0.888 %



45

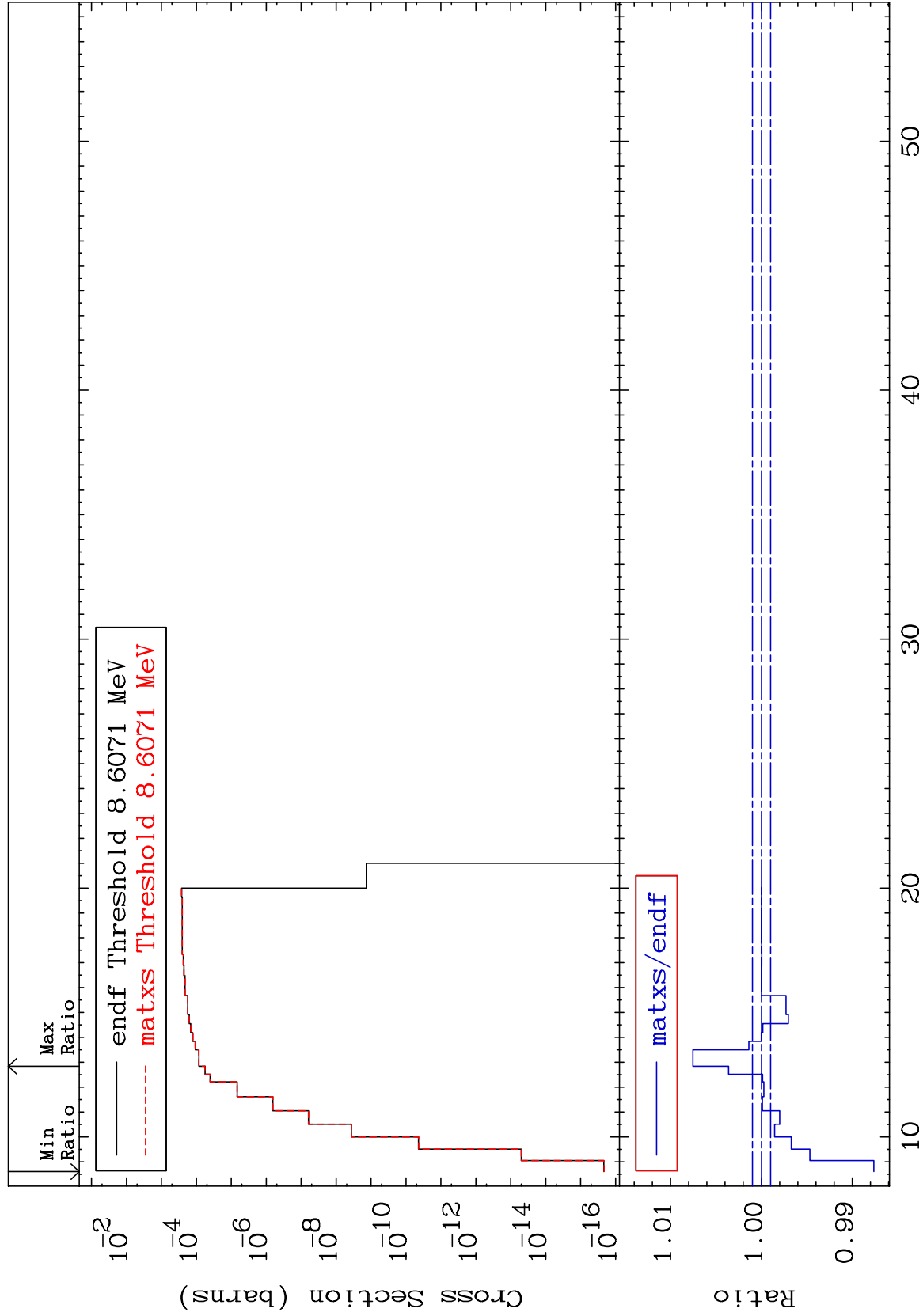
Incident Energy (MeV)

32-Ge-72

MAT 3231

910.1 keV (n,d') Level
Cross Section

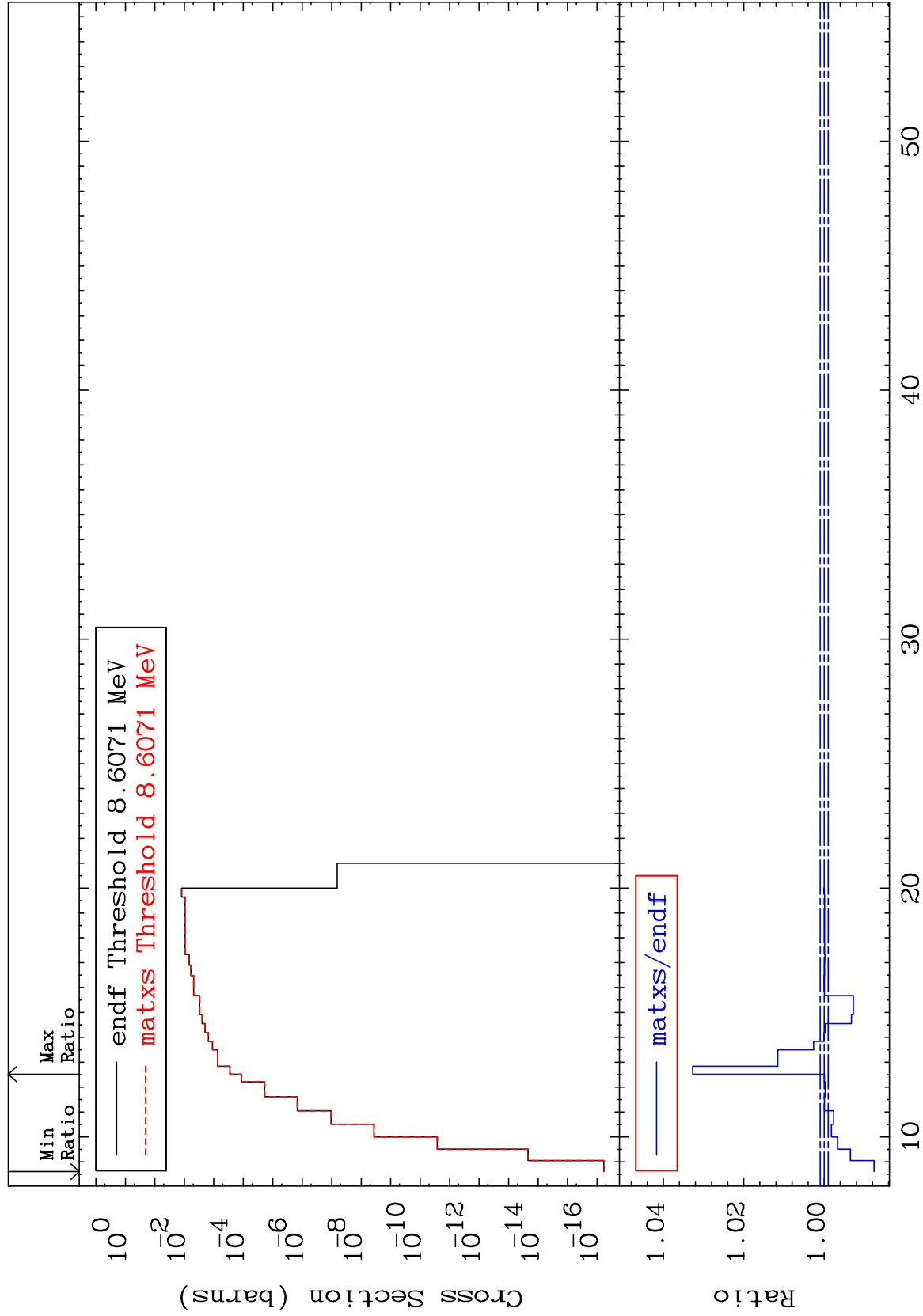
32-Ge-72
-1.237 To 0.754 %



MAT 3231

910.1 keV (n,d') Level
Cross Section

32-Ge-72
-1.237 To 3.270 %



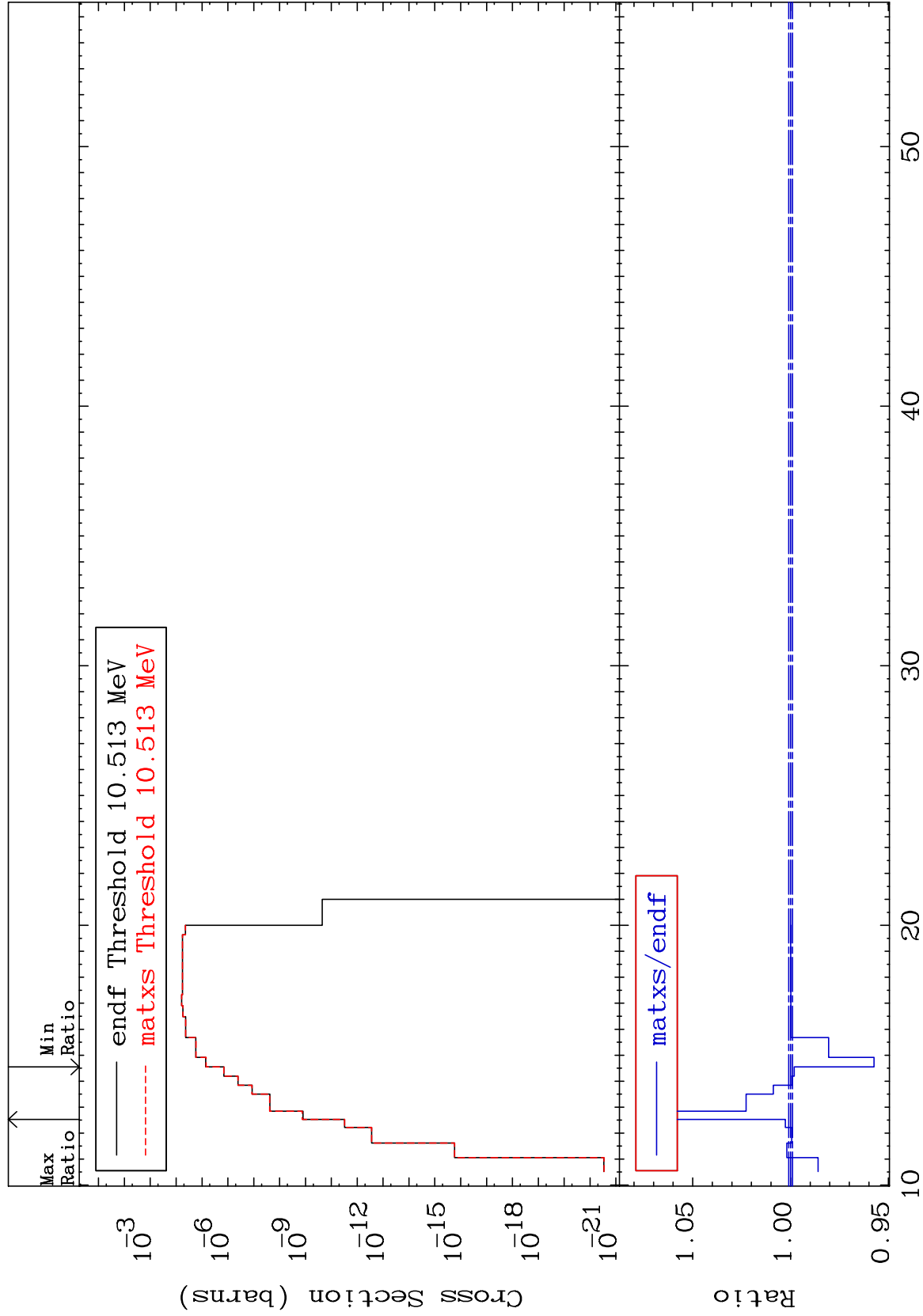
47

32-Ge-72

MAT 3231

(n, t') Ground
Cross Section

32-Ge-72
-4.262 To 6.965 %



48

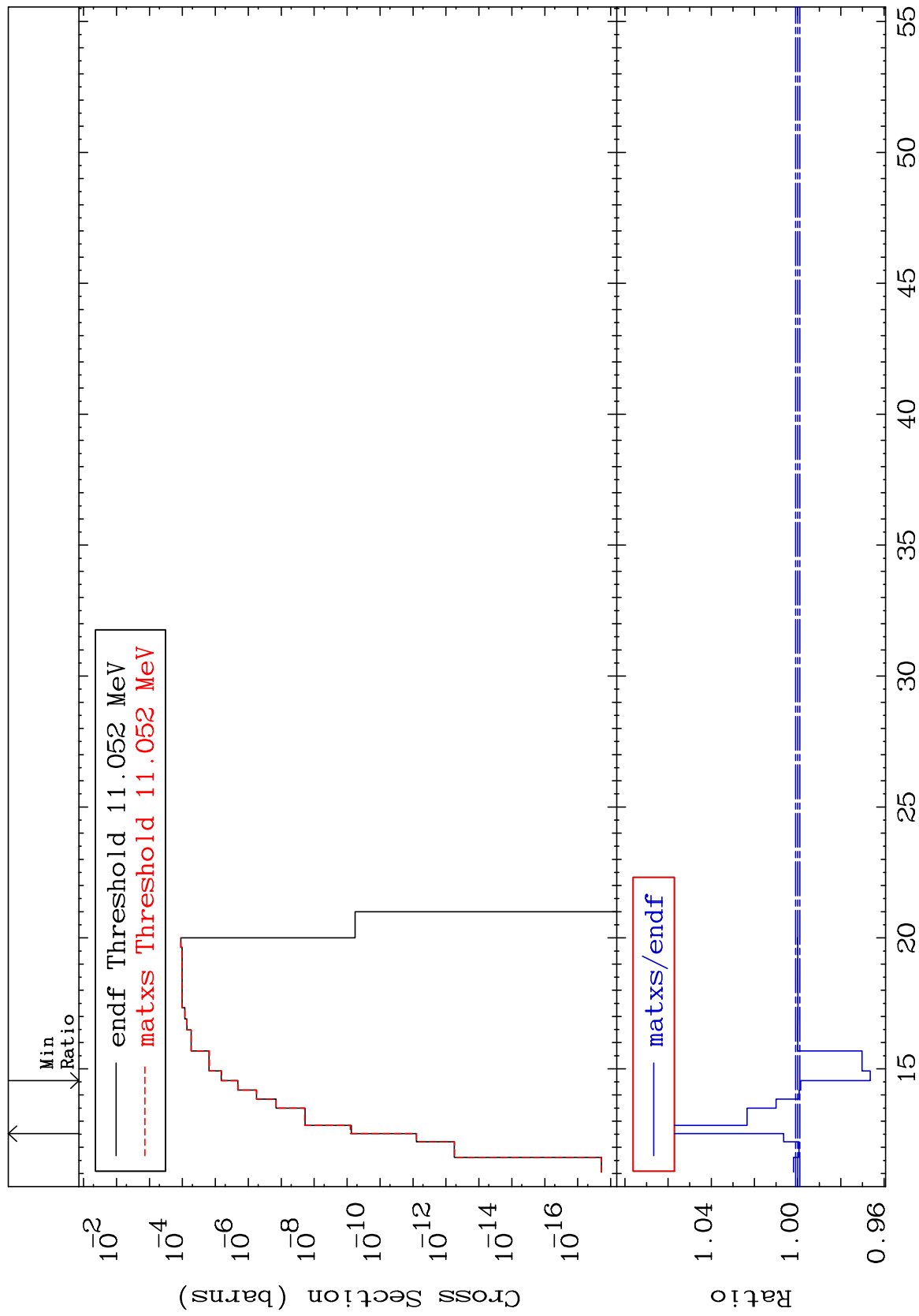
Incident Energy (MeV)

32-Ge-72

MAT 3231

508.2 keV (n,t') Level
Cross Section

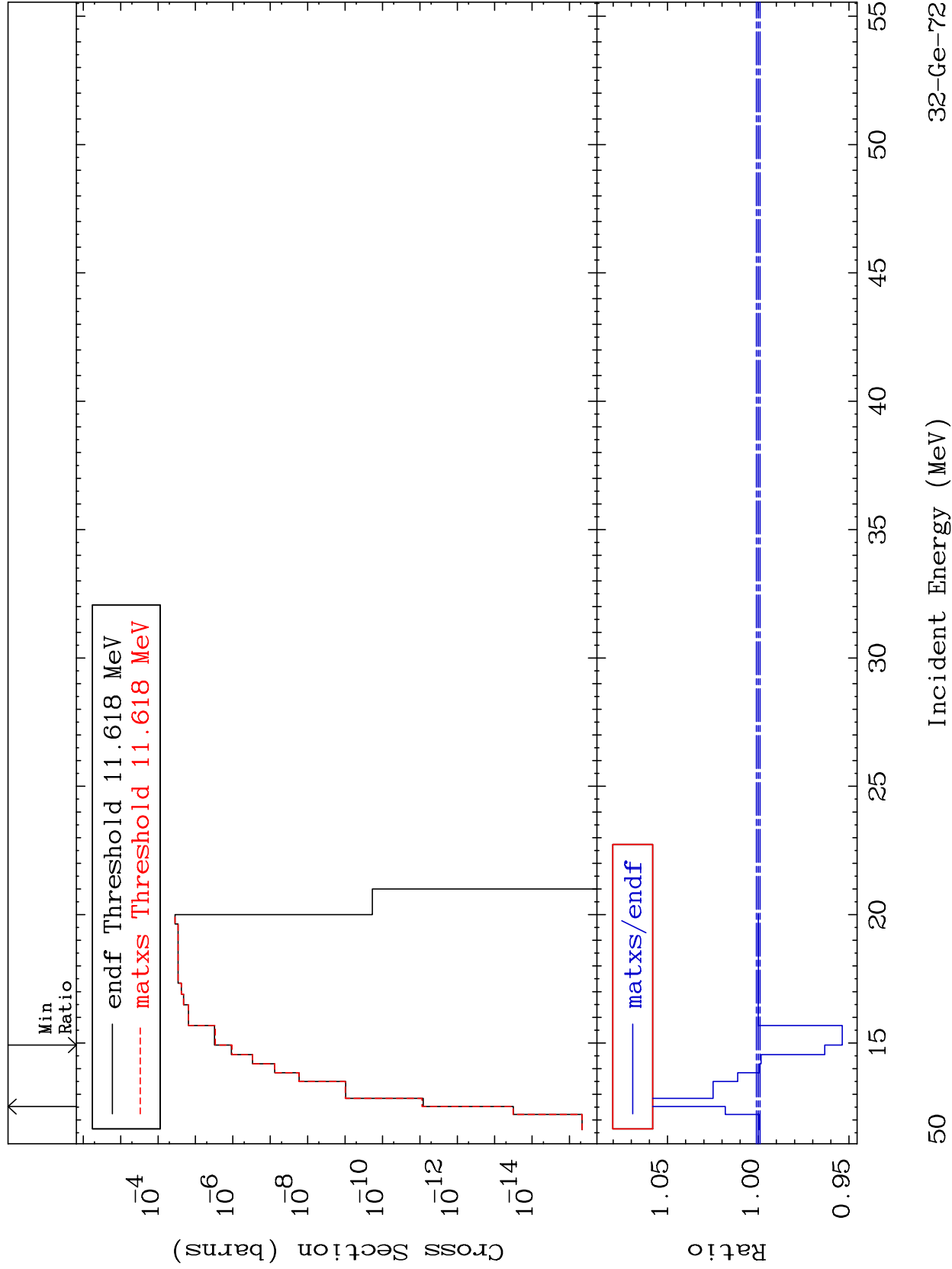
32-Ge-72
-3.359 To 7.104 %



MAT 3231

651.1 keV (n,t') Level
Cross Section

32-Ge-72
-4.629 To 7.169 %



50

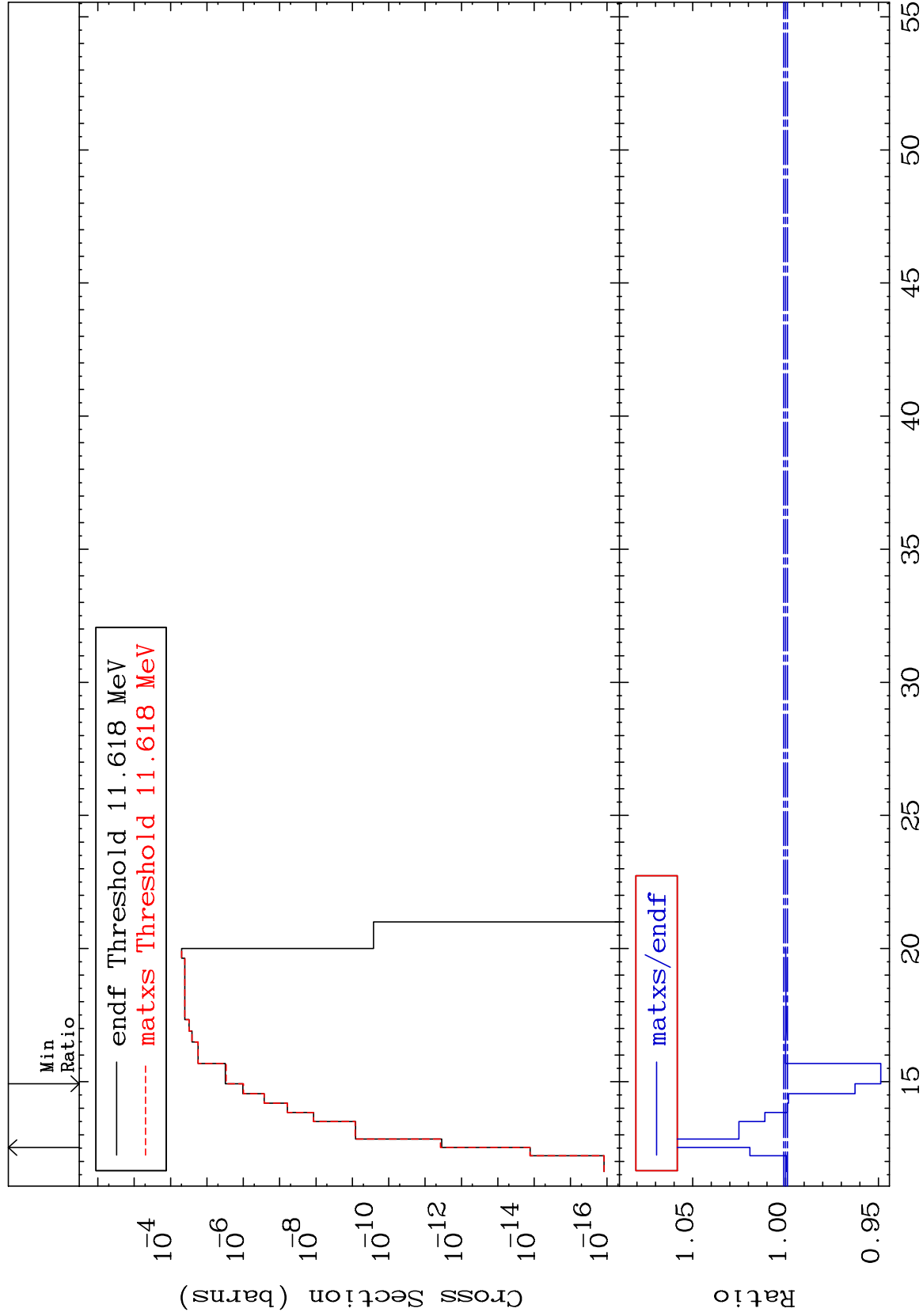
Incident Energy (MeV)

32-Ge-72

MAT 3231

690.9 keV (n,t') Level
Cross Section

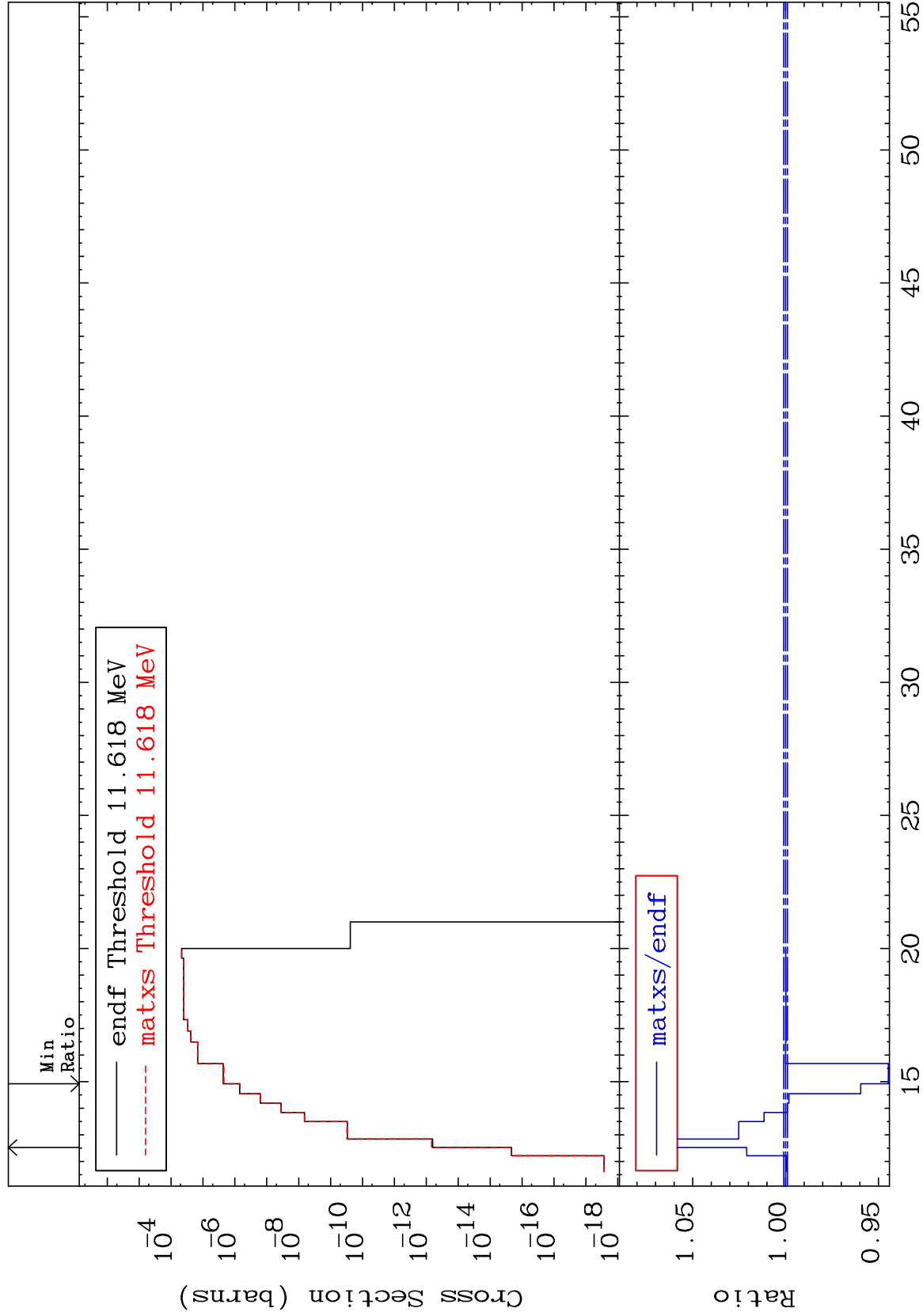
32-Ge-72
-5.126 To 7.171 %



MAT 3231

879.1 keV (n, t') Level
Cross Section

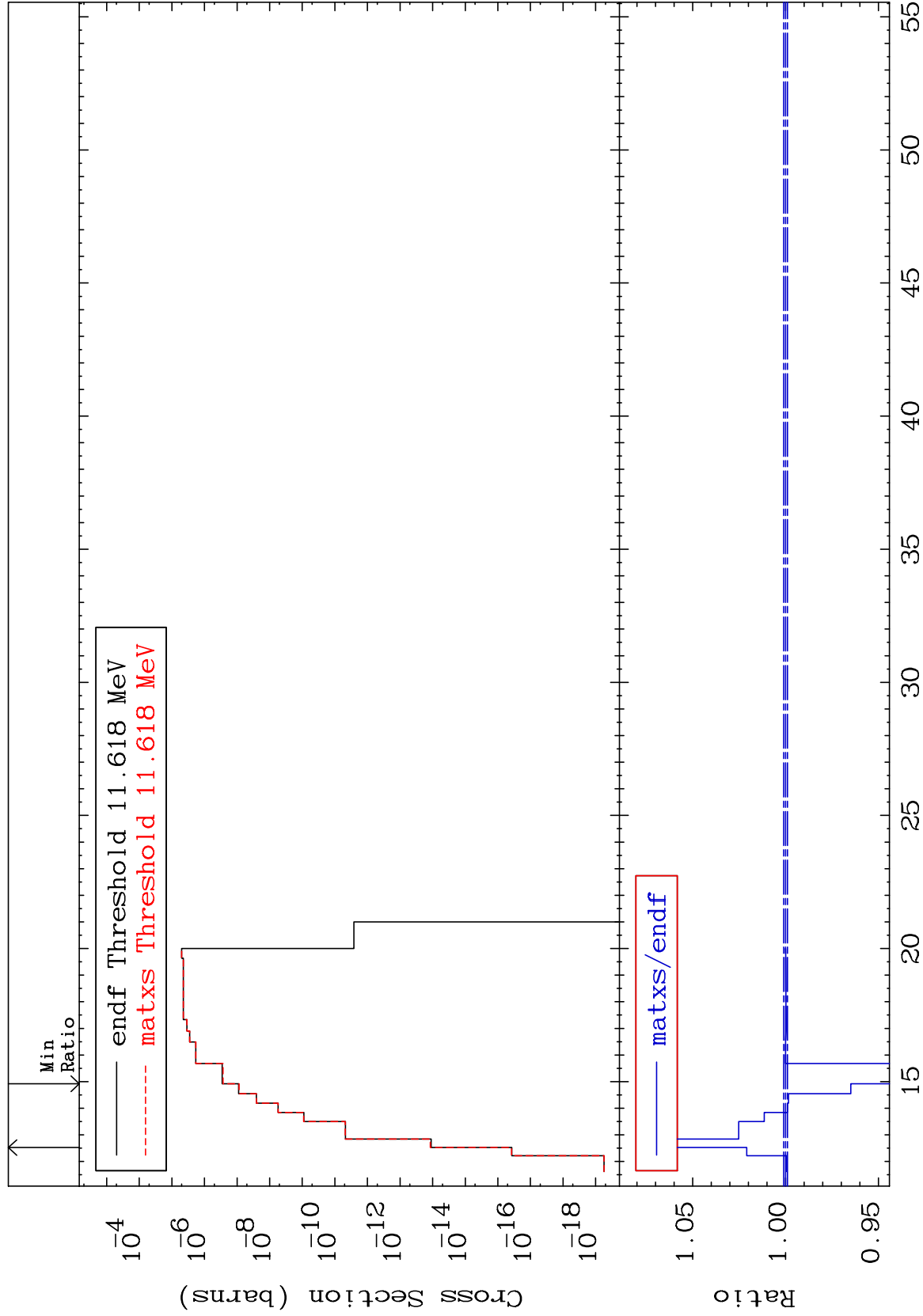
32-Ge-72
-5.532 To 7.174 %



MAT 3231

901.4 keV (n,t') Level
Cross Section

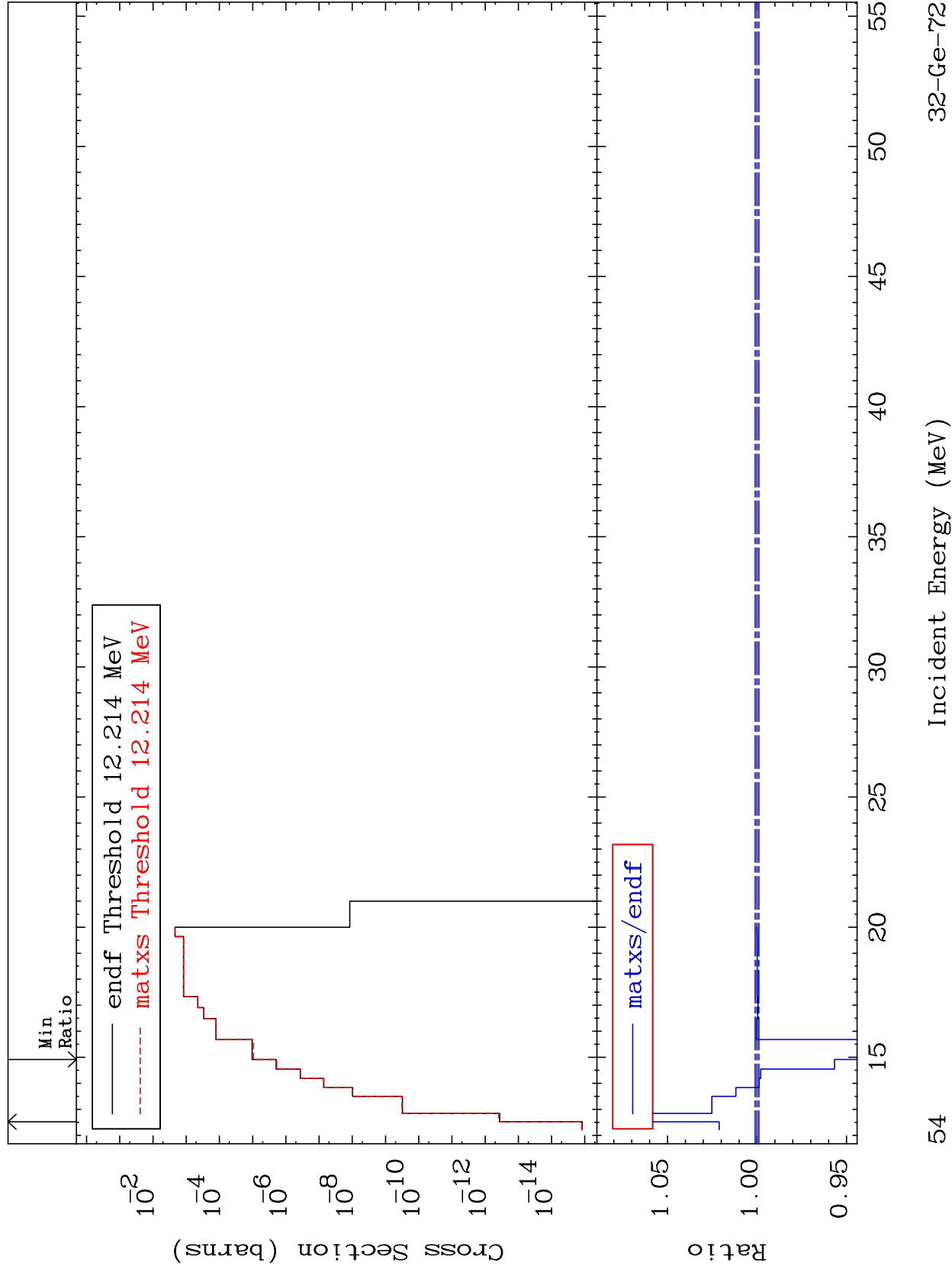
32-Ge-72
-5.921 To 7.174 %



MAT 3231

901.4 keV (n,t') Level
Cross Section

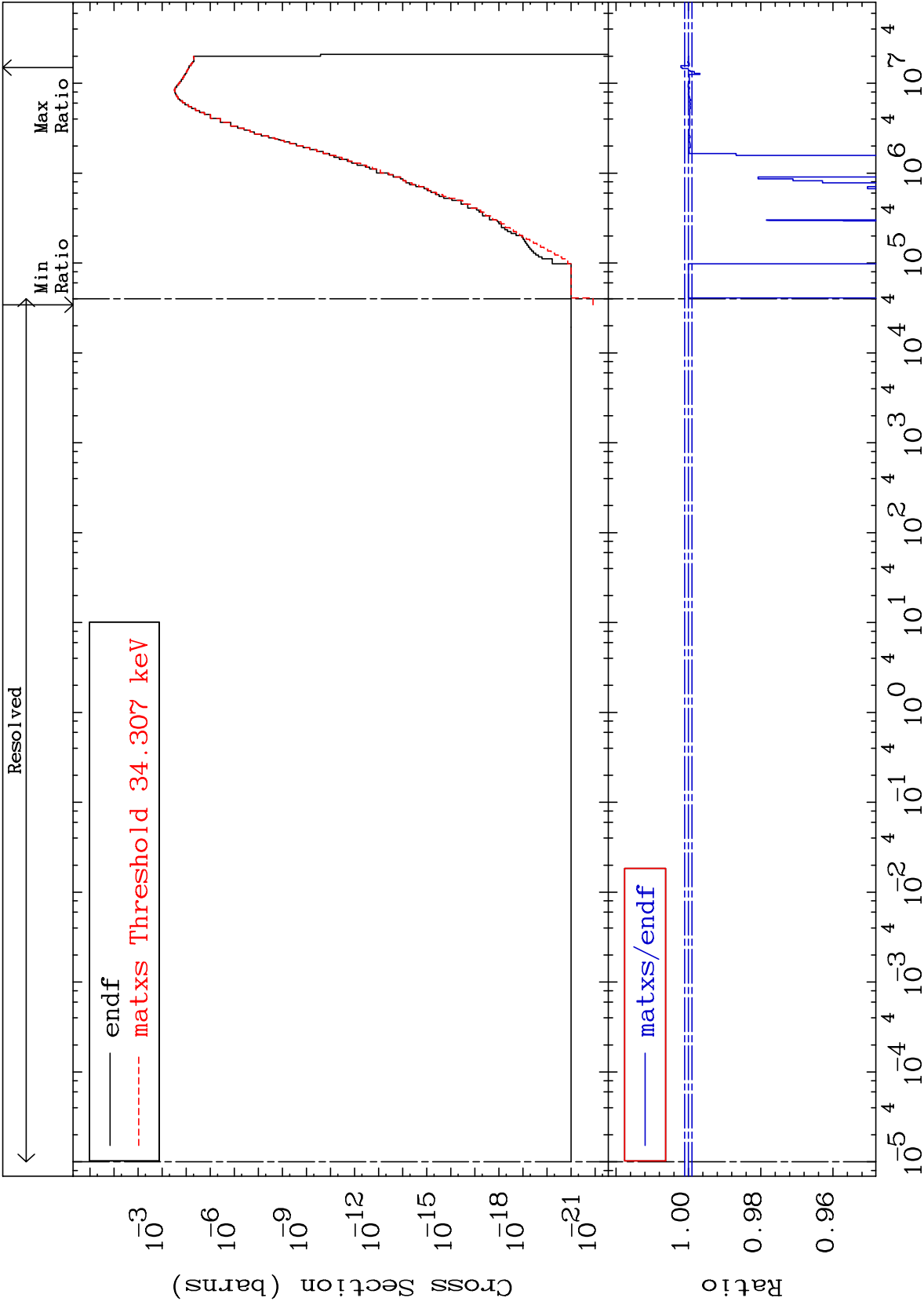
32-Ge-72
-8.800 To 7.174 %



MAT 3231

(n, α') Ground
Cross Section

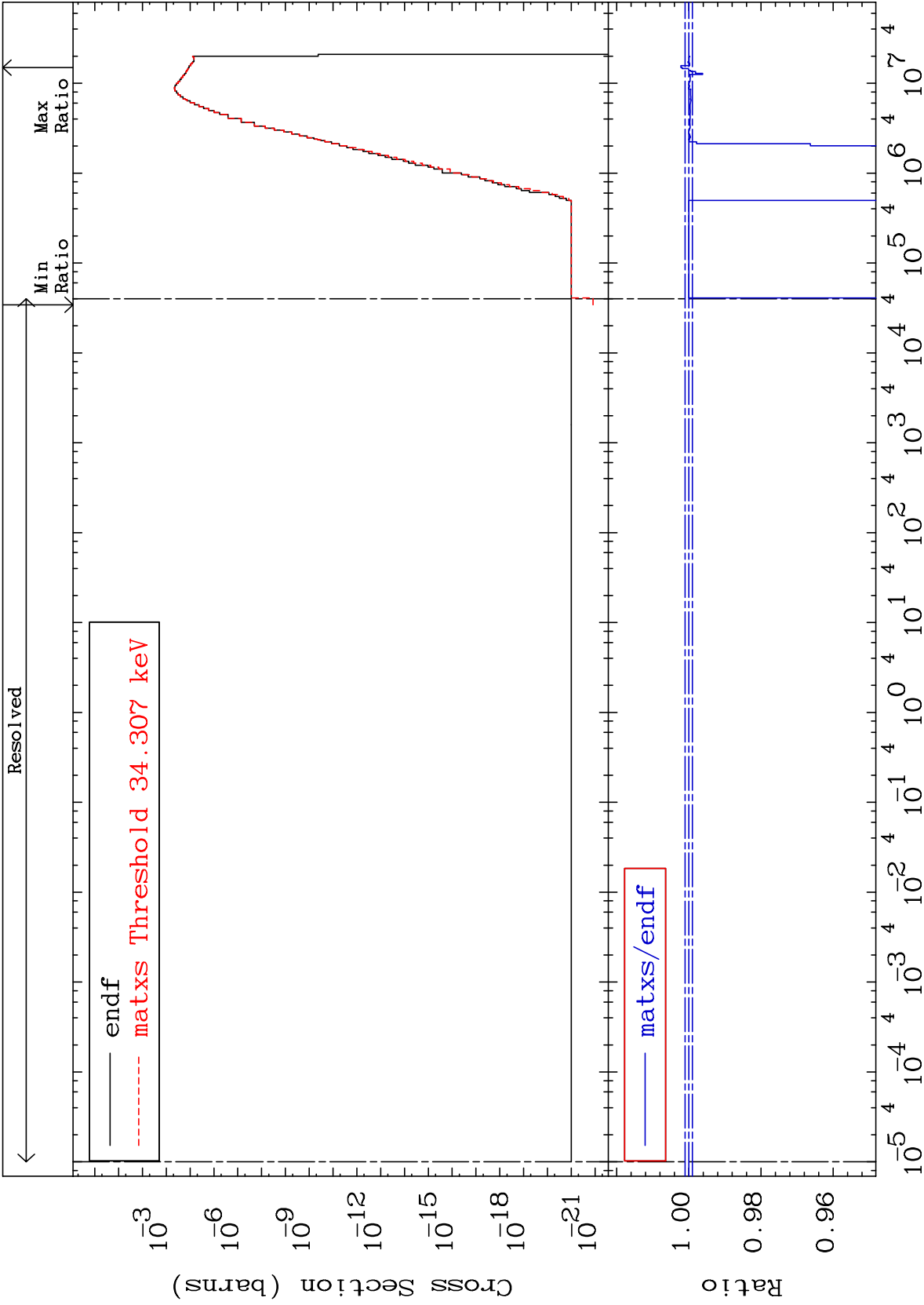
32-Ge-72
-87.74 To 0.205 %



MAT 3231

438.6 keV (n,α') Level
Cross Section

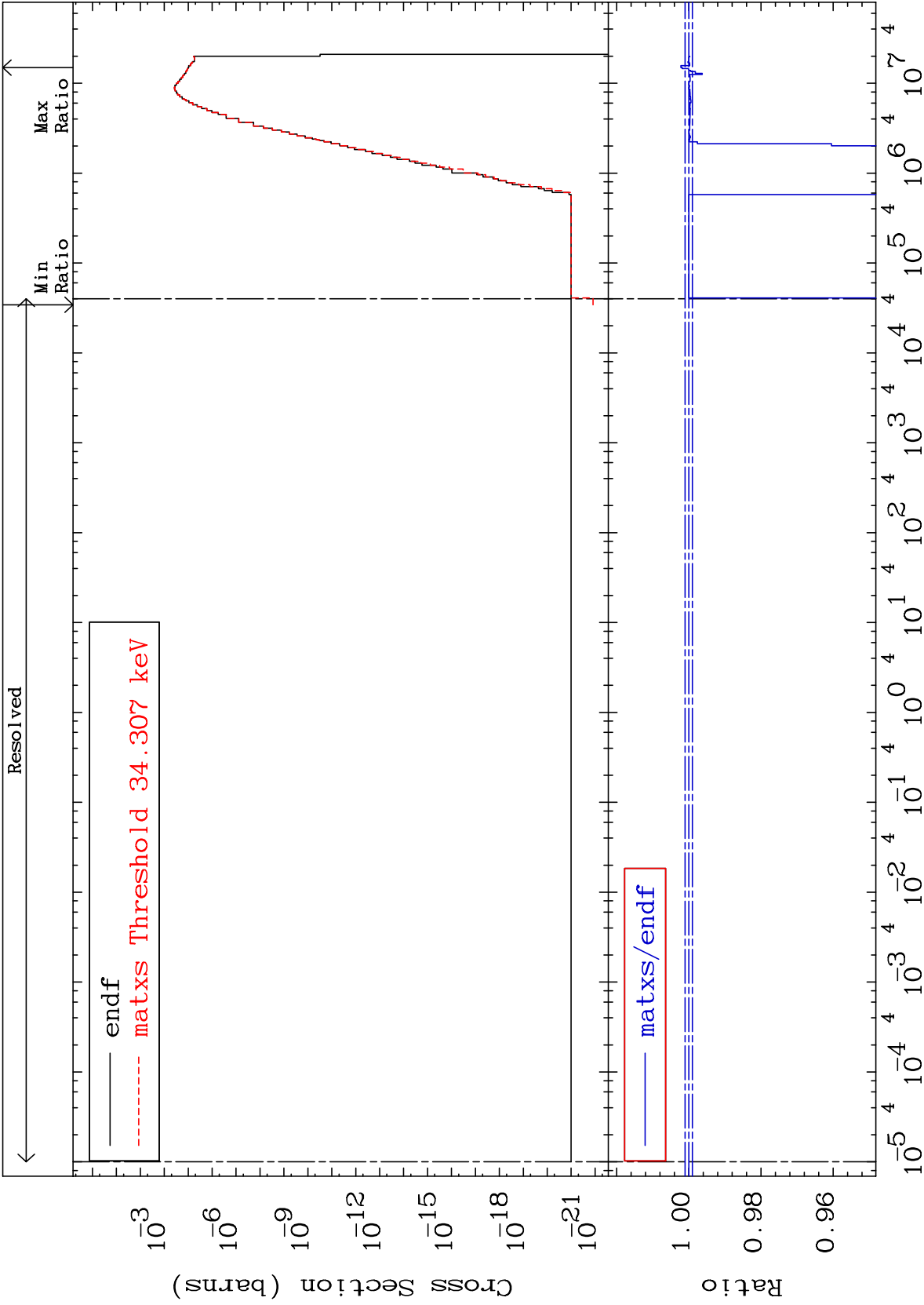
32-Ge-72
-87.74 To 0.217 %



MAT 3231

531.3 keV (n,α') Level
Cross Section

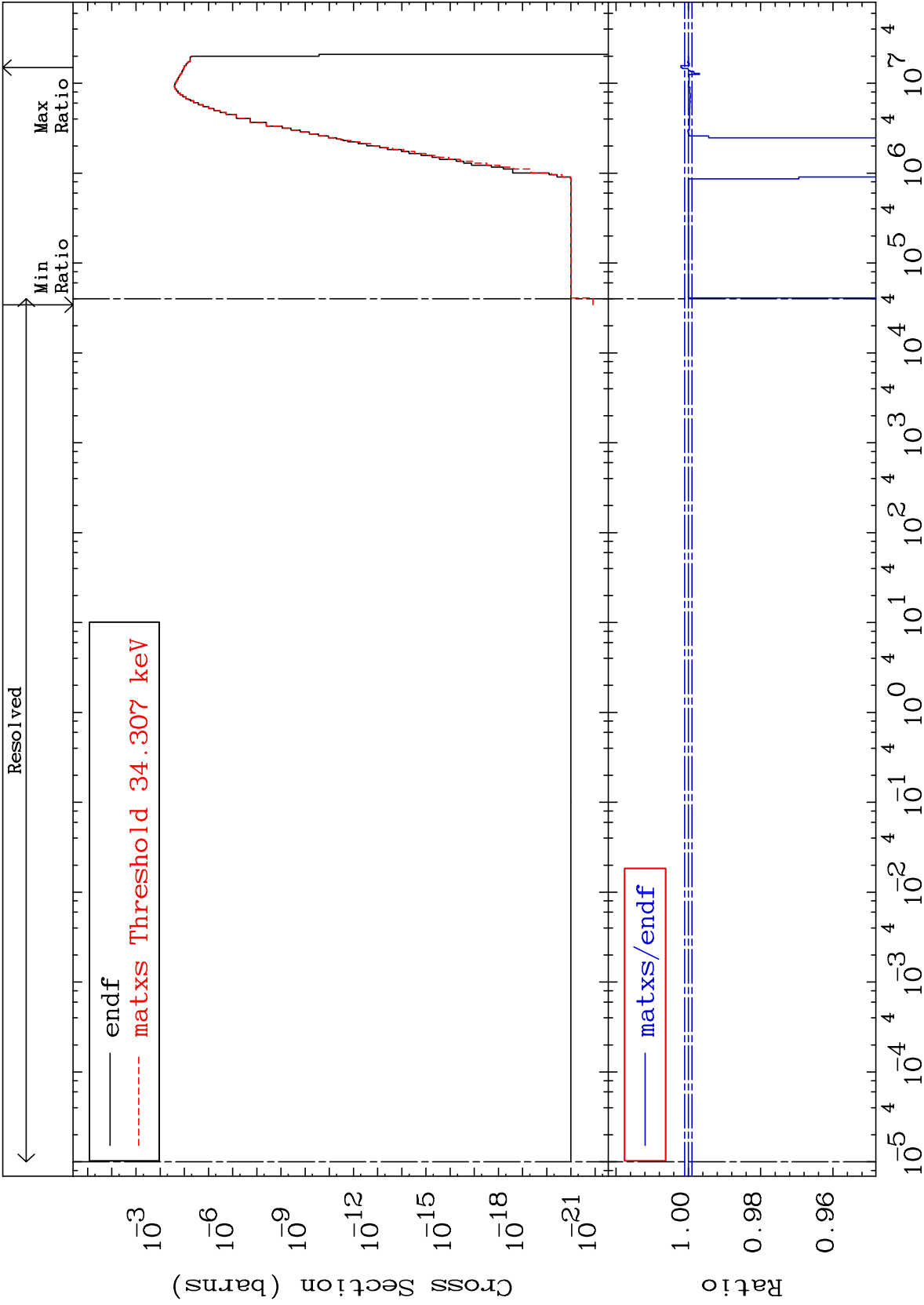
32-Ge-72
-87.74 To 0.217 %



MAT 3231

834.5 keV (n,α') Level
Cross Section

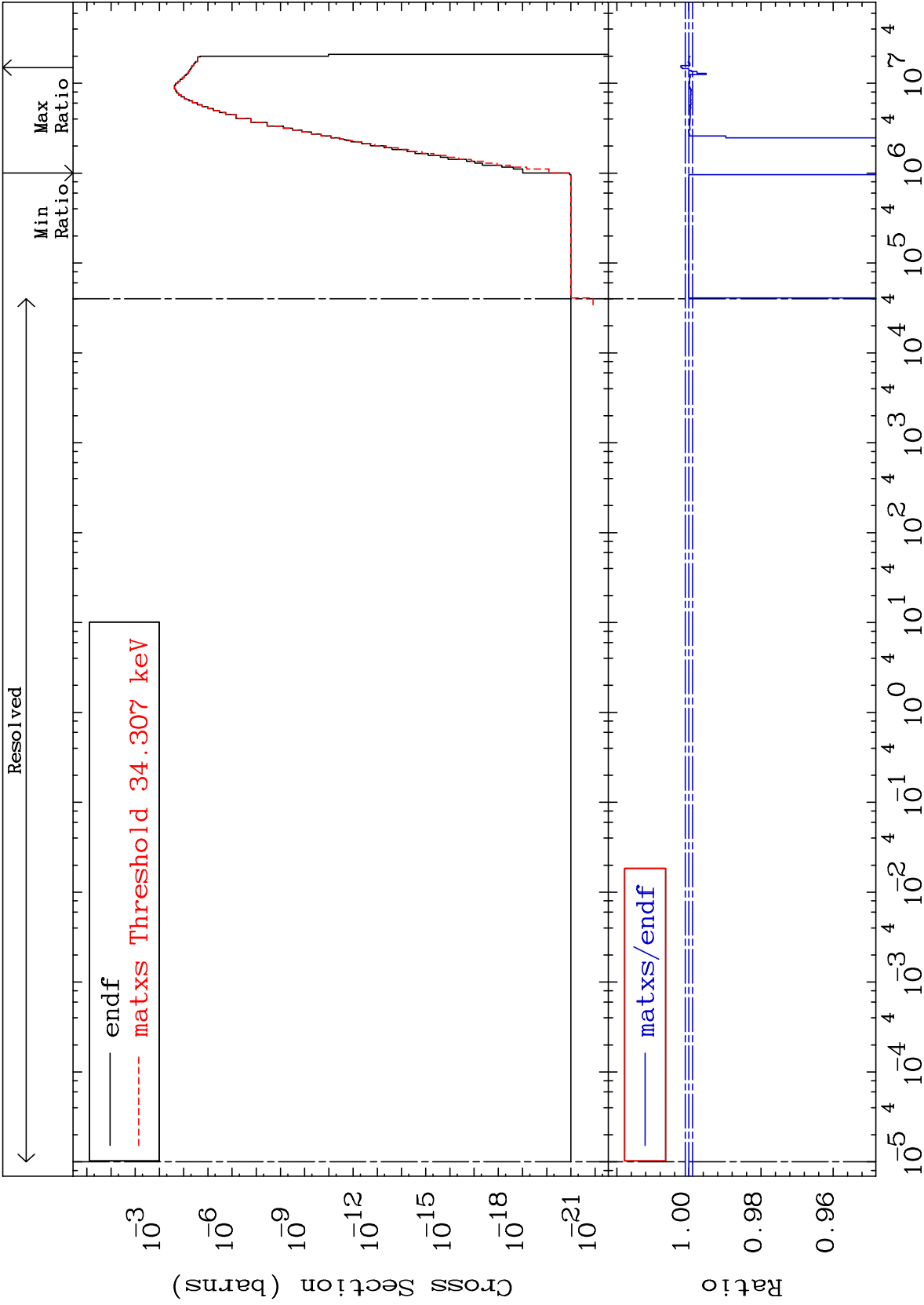
32-Ge-72
-87.74 To 0.205 %



MAT 3231

872.0 keV (n, α') Level
Cross Section

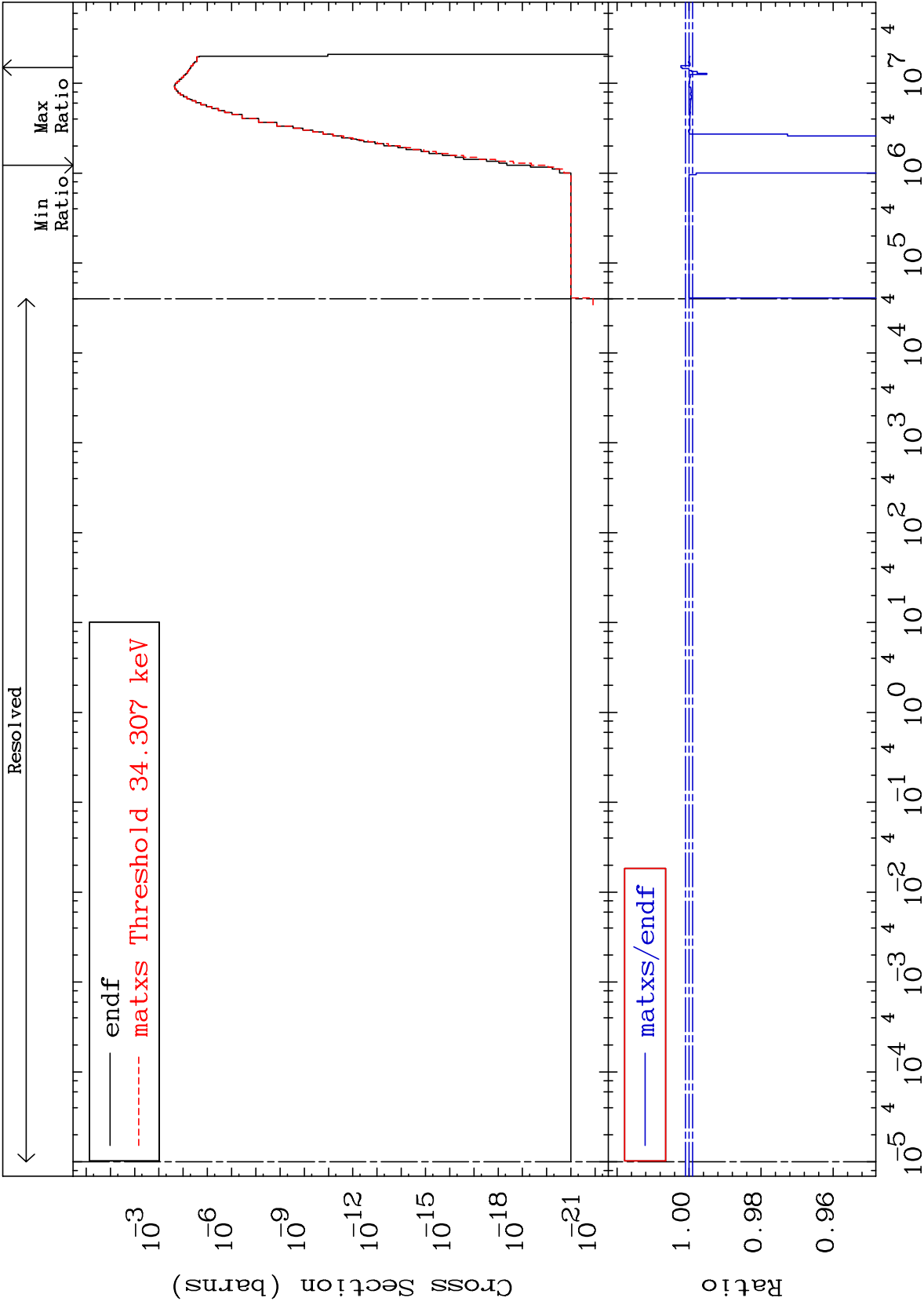
32-Ge-72
-91.64 To 0.222 %



MAT 3231

967.0 keV (n,α') Level
Cross Section

32-Ge-72
-90.30 To 0.225 %



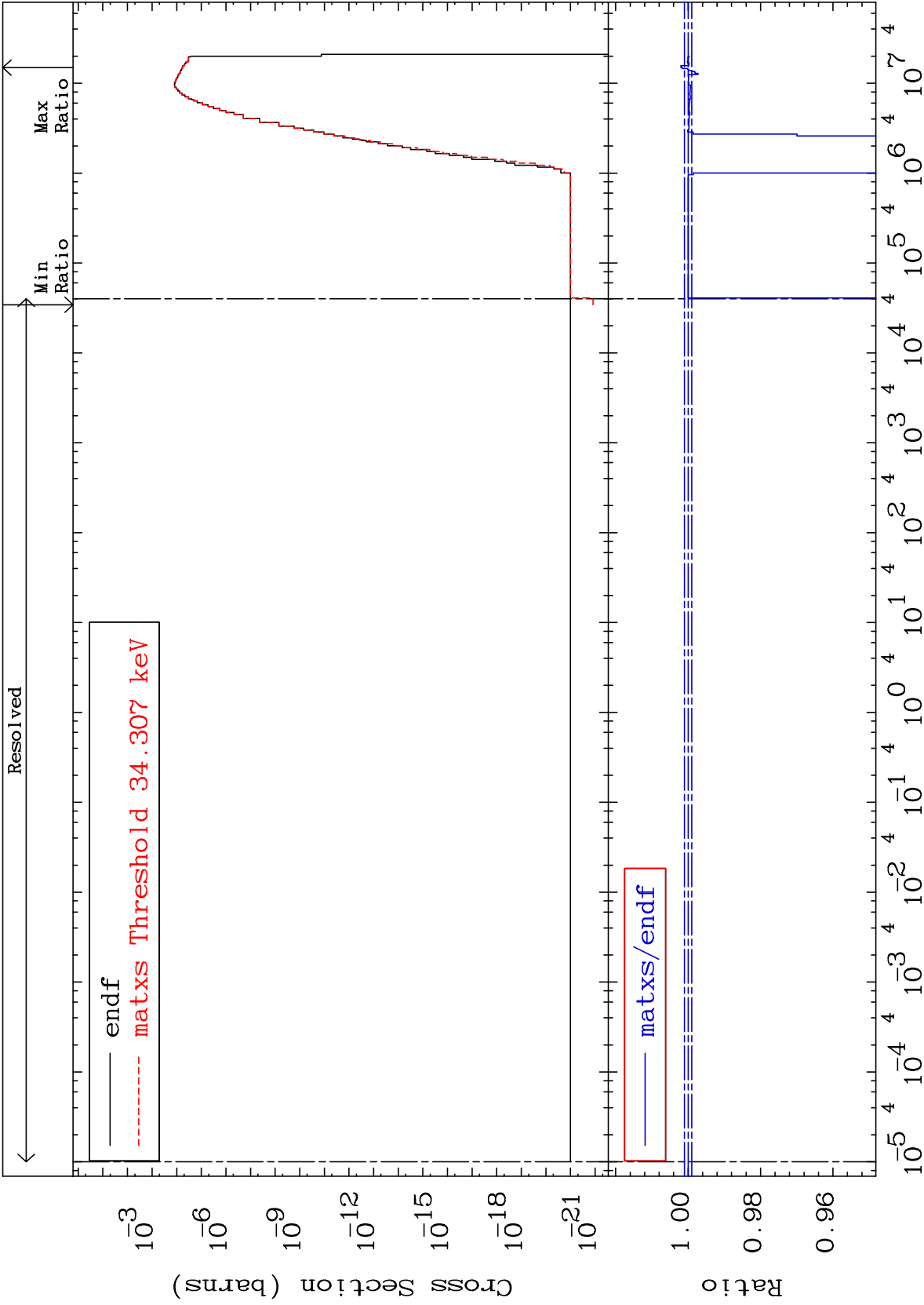
60

32-Ge-72

MAT 3231

1.008 MeV (n,α') Level
Cross Section

32-Ge-72
-87.74 To 0.198 %



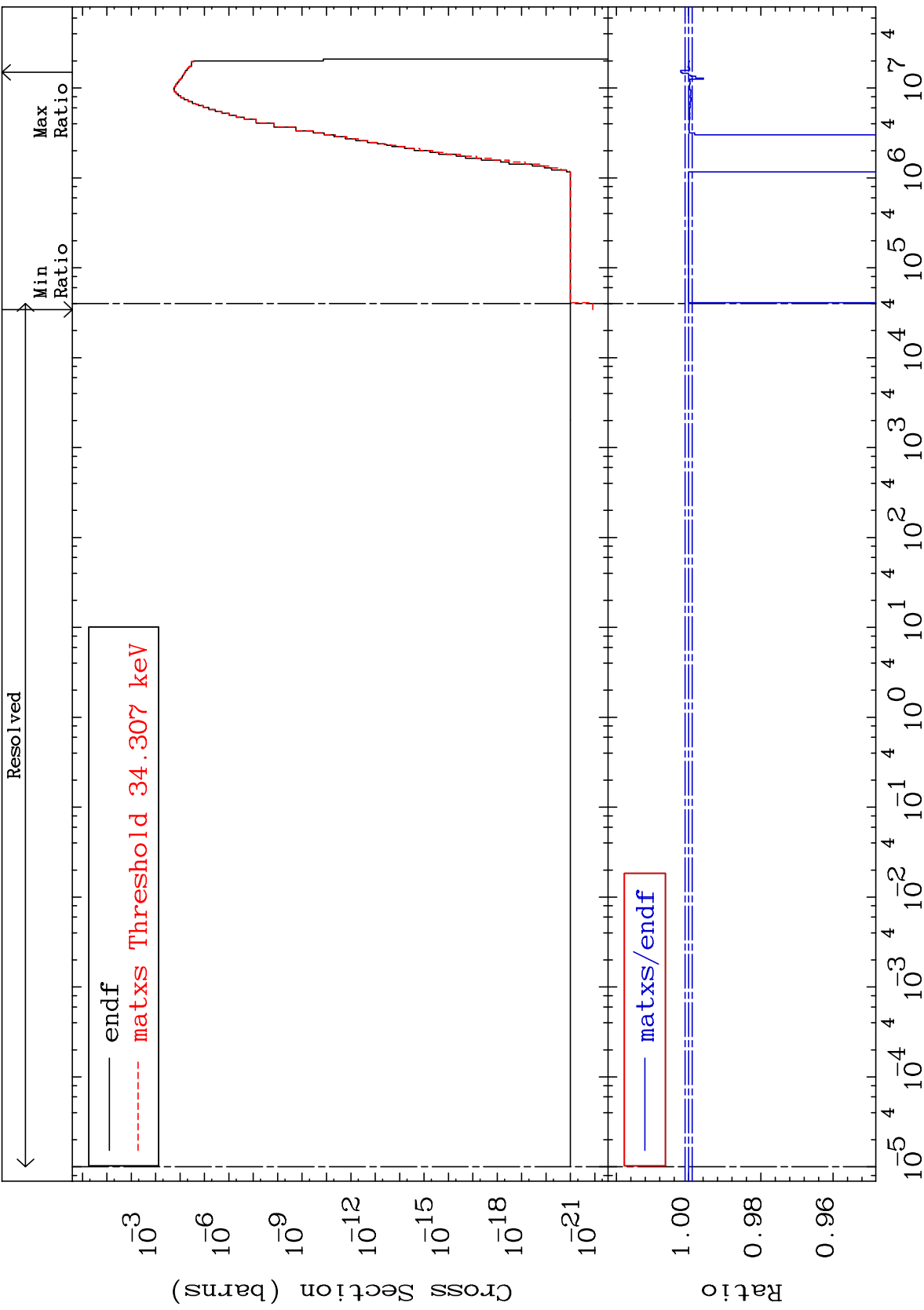
61

32-Ge-72

MAT 3231

1.136 MeV (n,α') Level
Cross Section

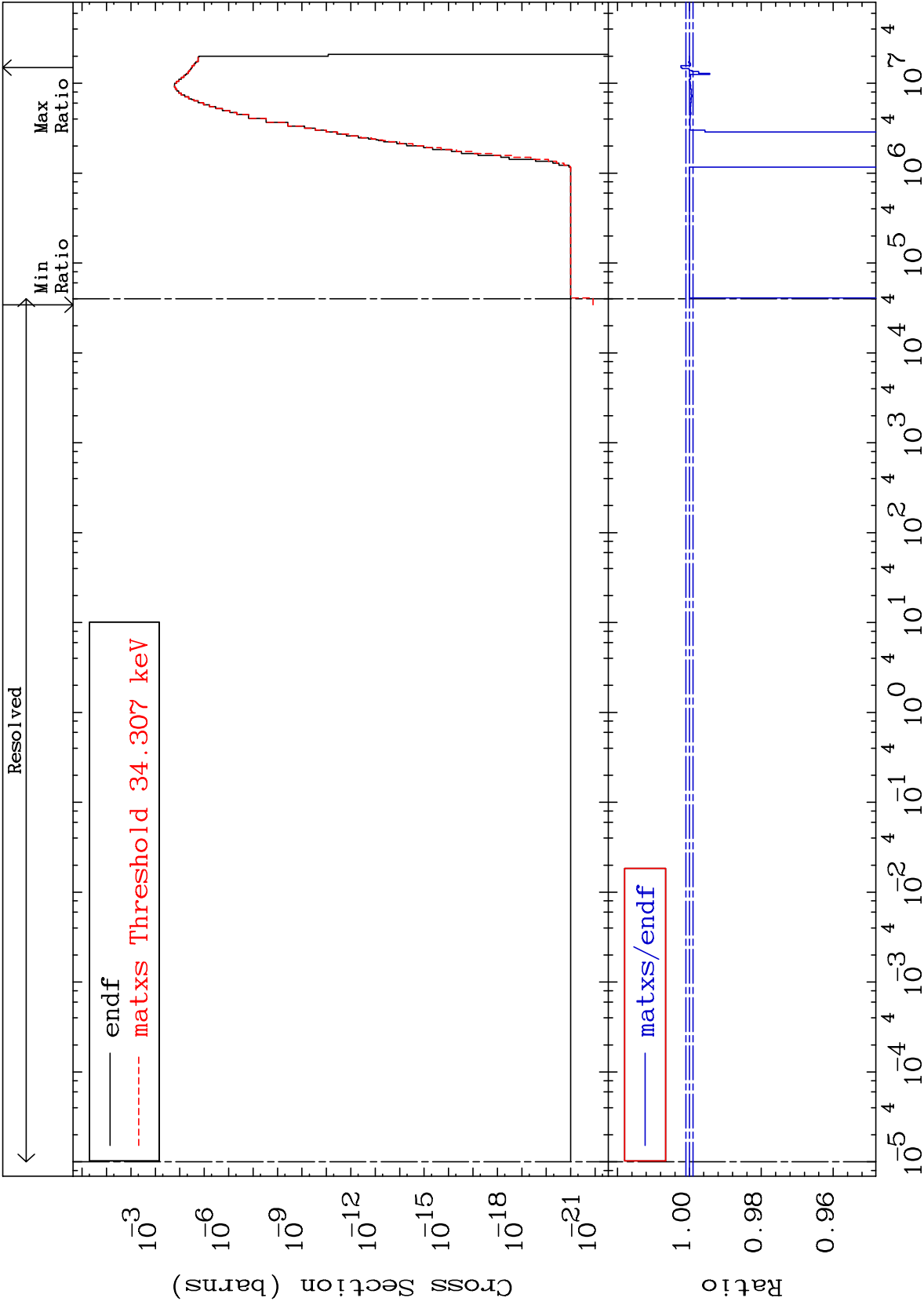
32-Ge-72
-87.74 To 0.220 %



MAT 3231

1.181 MeV (n, α') Level
Cross Section

32-Ge-72
-87.74 To 0.235 %



63

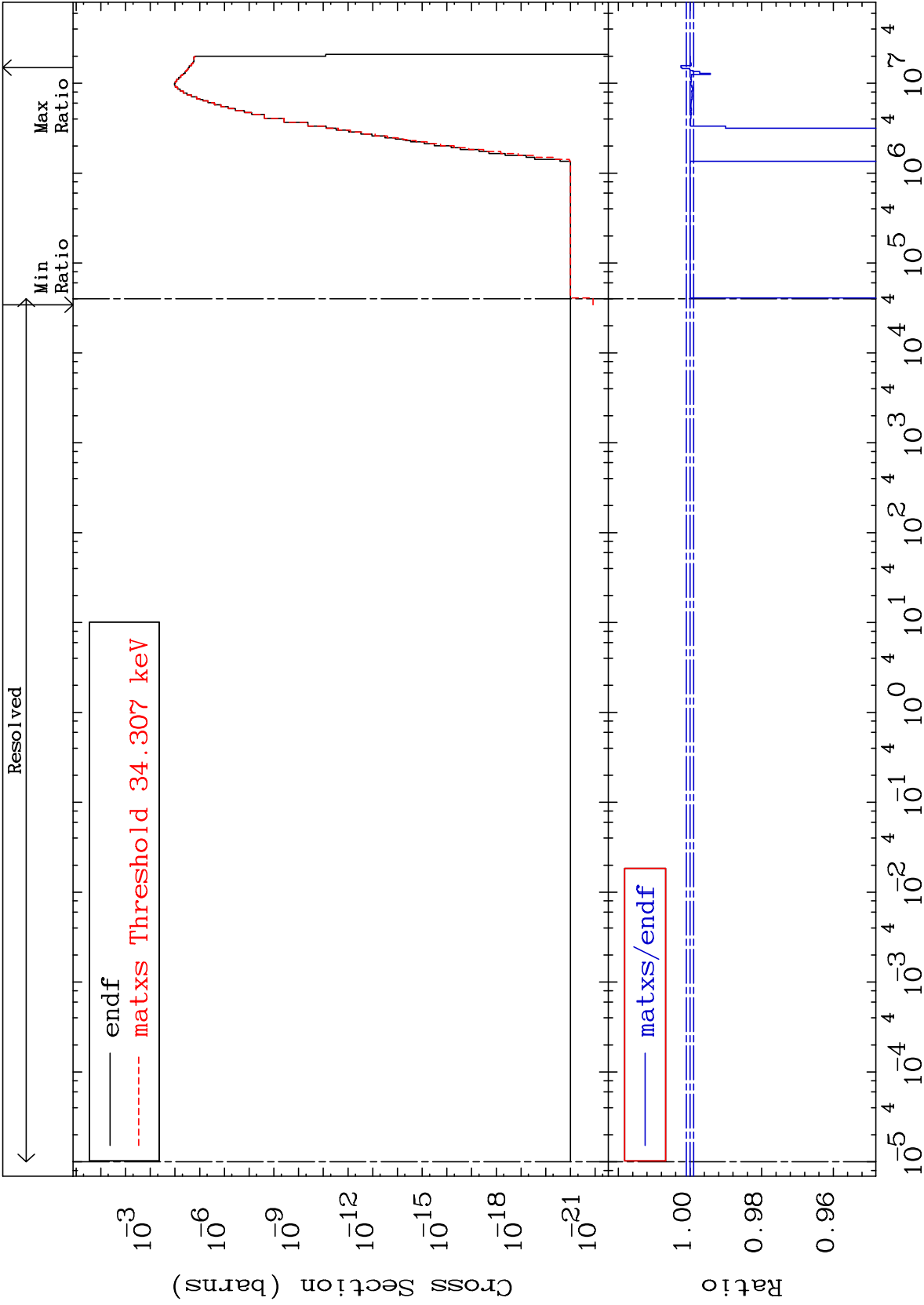
Incident Energy (eV)

32-Ge-72

MAT 3231

1.224 MeV (n, α') Level
Cross Section

32-Ge-72
-87.74 To 0.253 %



64

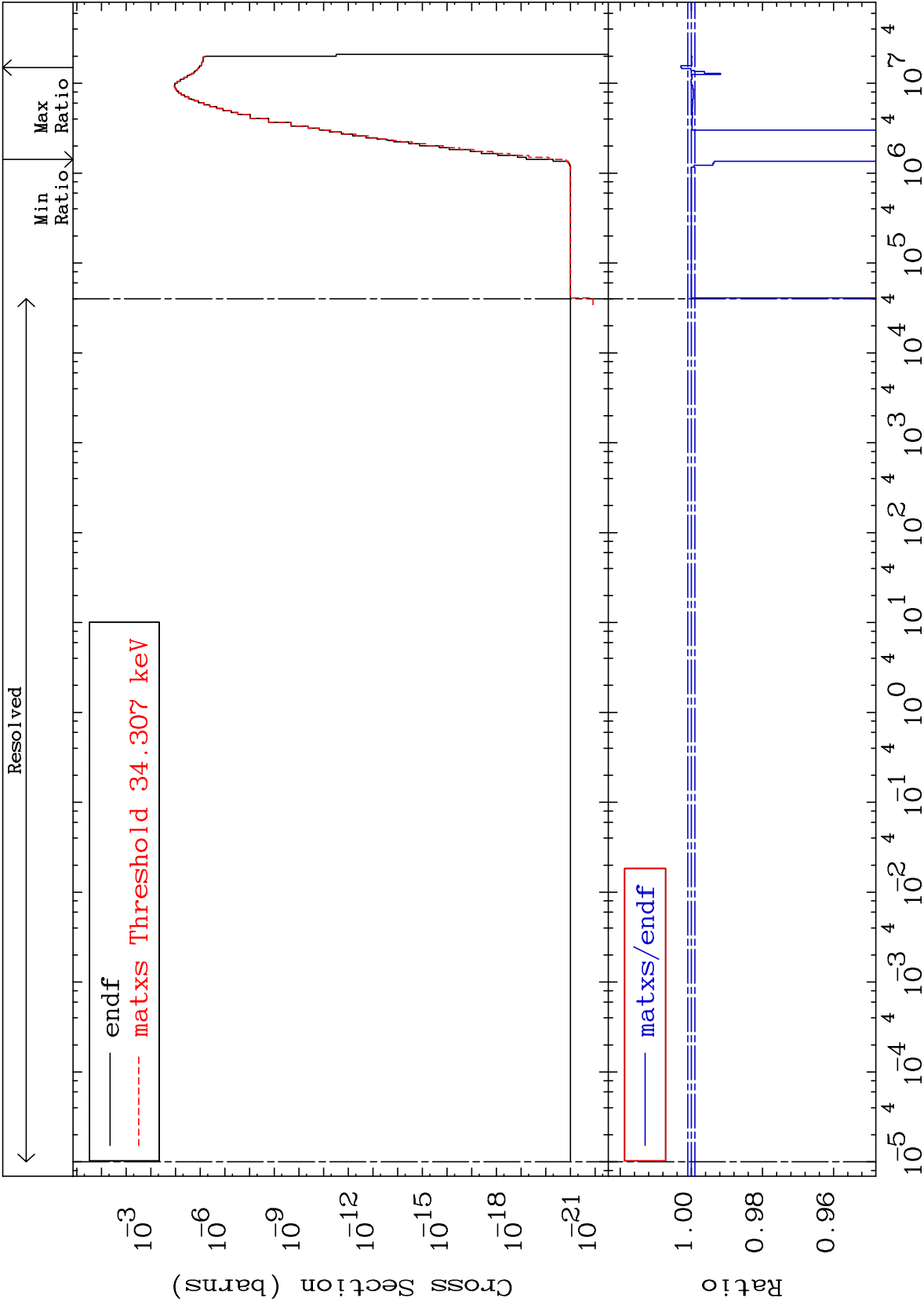
Incident Energy (eV)

32-Ge-72

MAT 3231

1.252 MeV (n, α') Level
Cross Section

32-Ge-72
-87.92 To 0.292 %



65

MAT 3231

1.252 MeV (n, α') Level
Cross Section

32-Ge-72
-99.38 To 0.301 %

