

Program Complot
(Version 2015-2)

by

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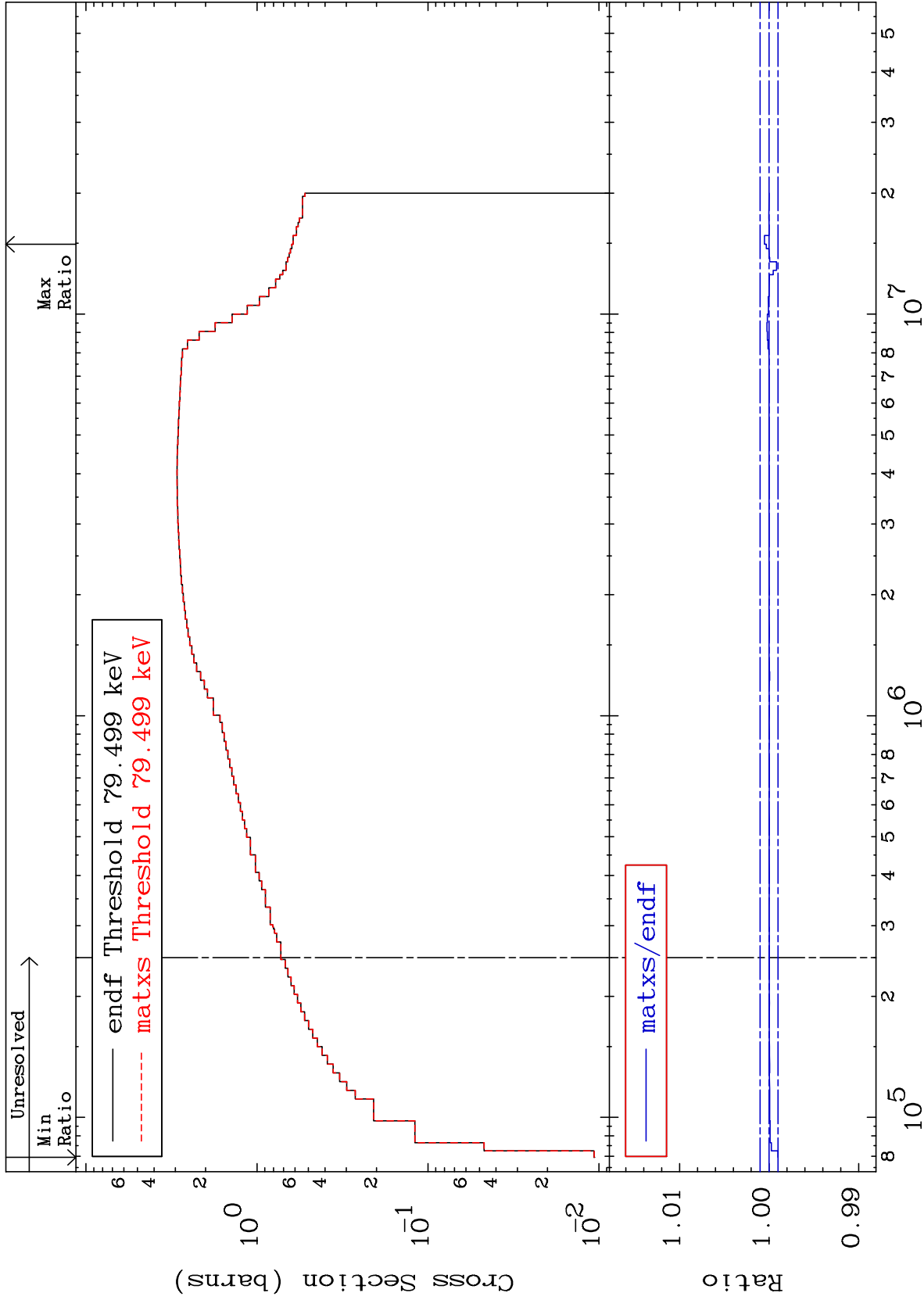
E.Mail: redcullen1@comcast.net
Web: home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6443

Inelastic
Cross Section

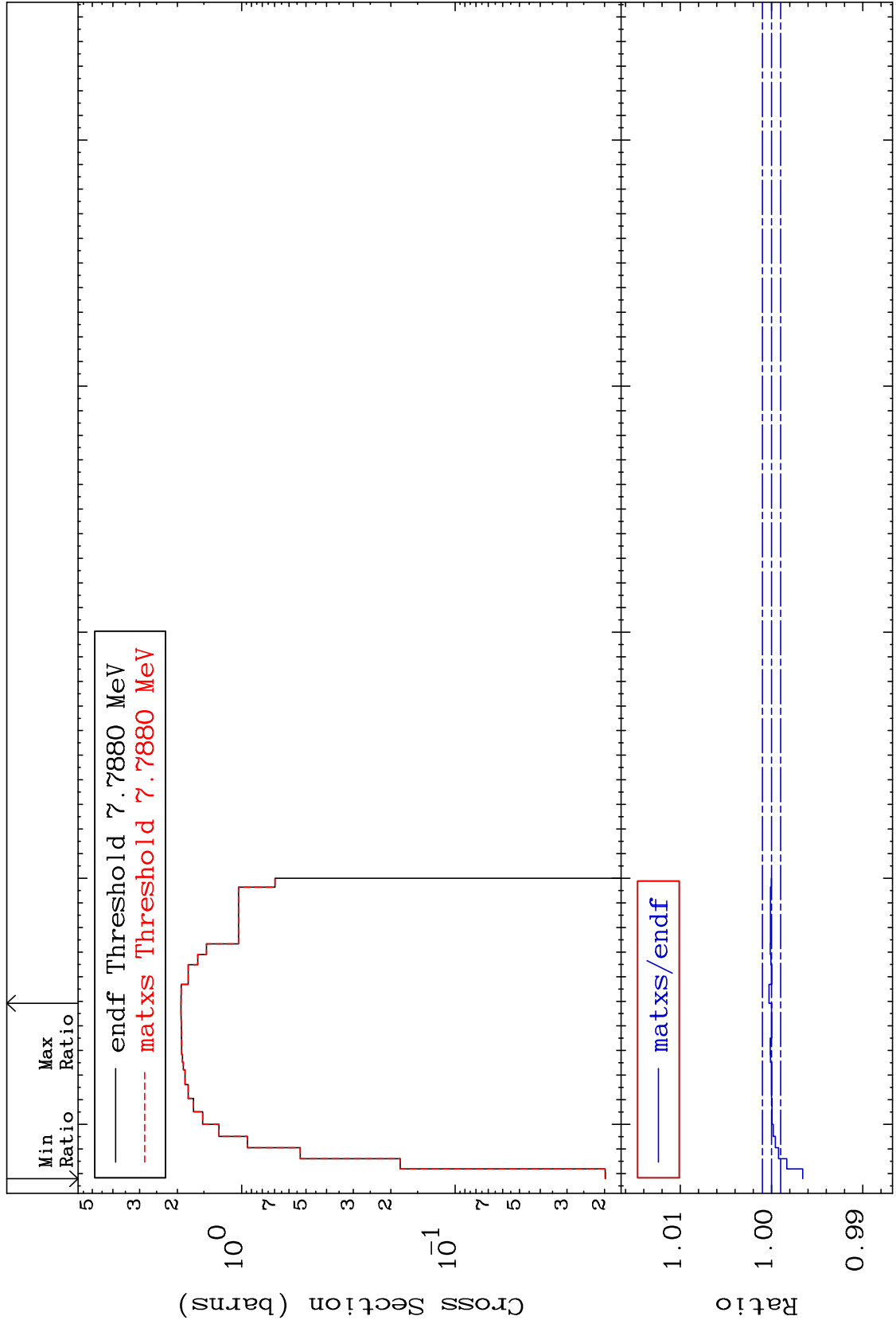
64-Gd-158
-0.100 To 0.052 %



MAT 6443

(n,2n)
Cross Section

64-Gd-158
-0.341 To 0.027 %



2

Incident Energy (MeV)

64-Gd-158

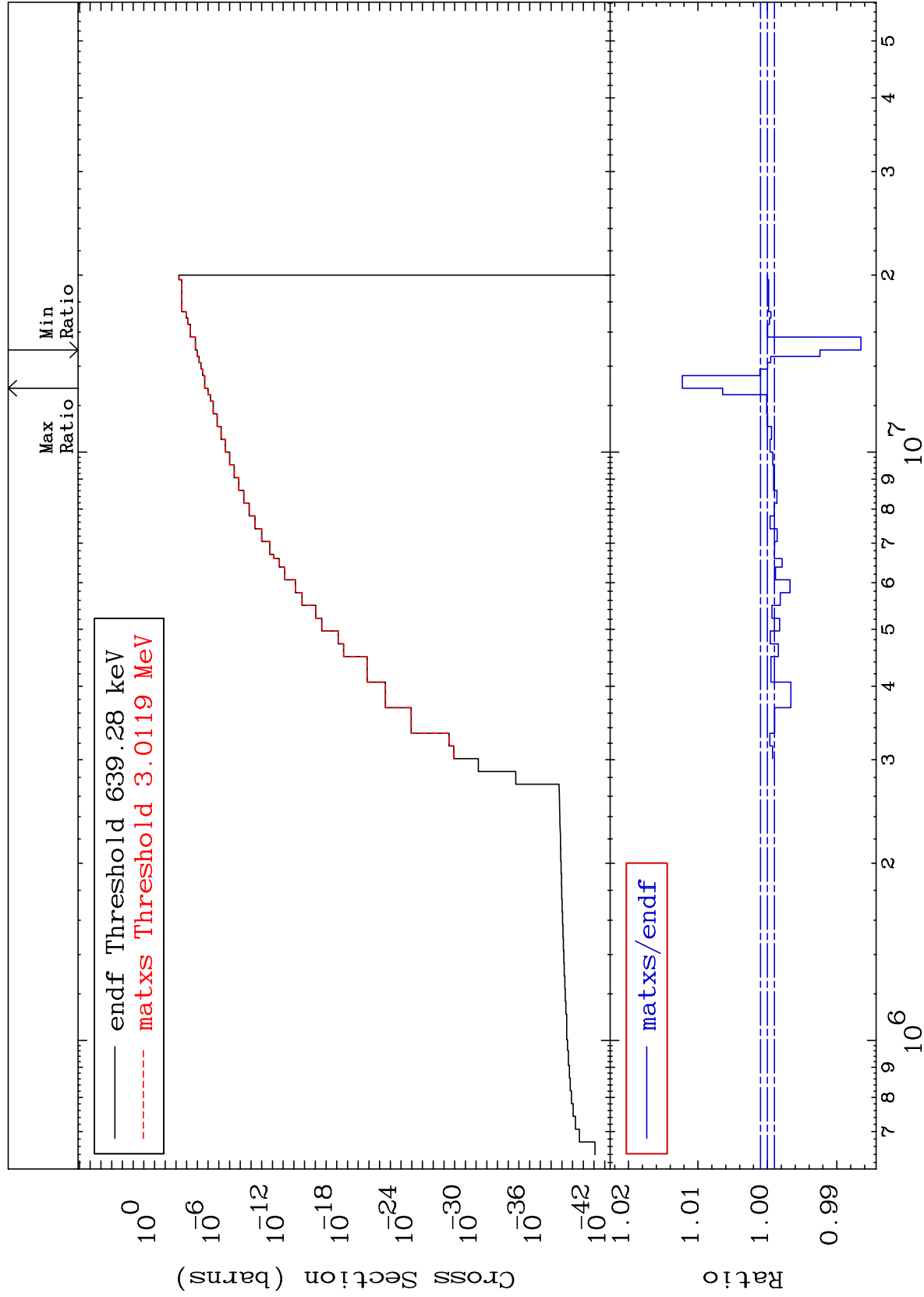
MAT 6443

(n, n') α

64-Gd-158

Cross Section

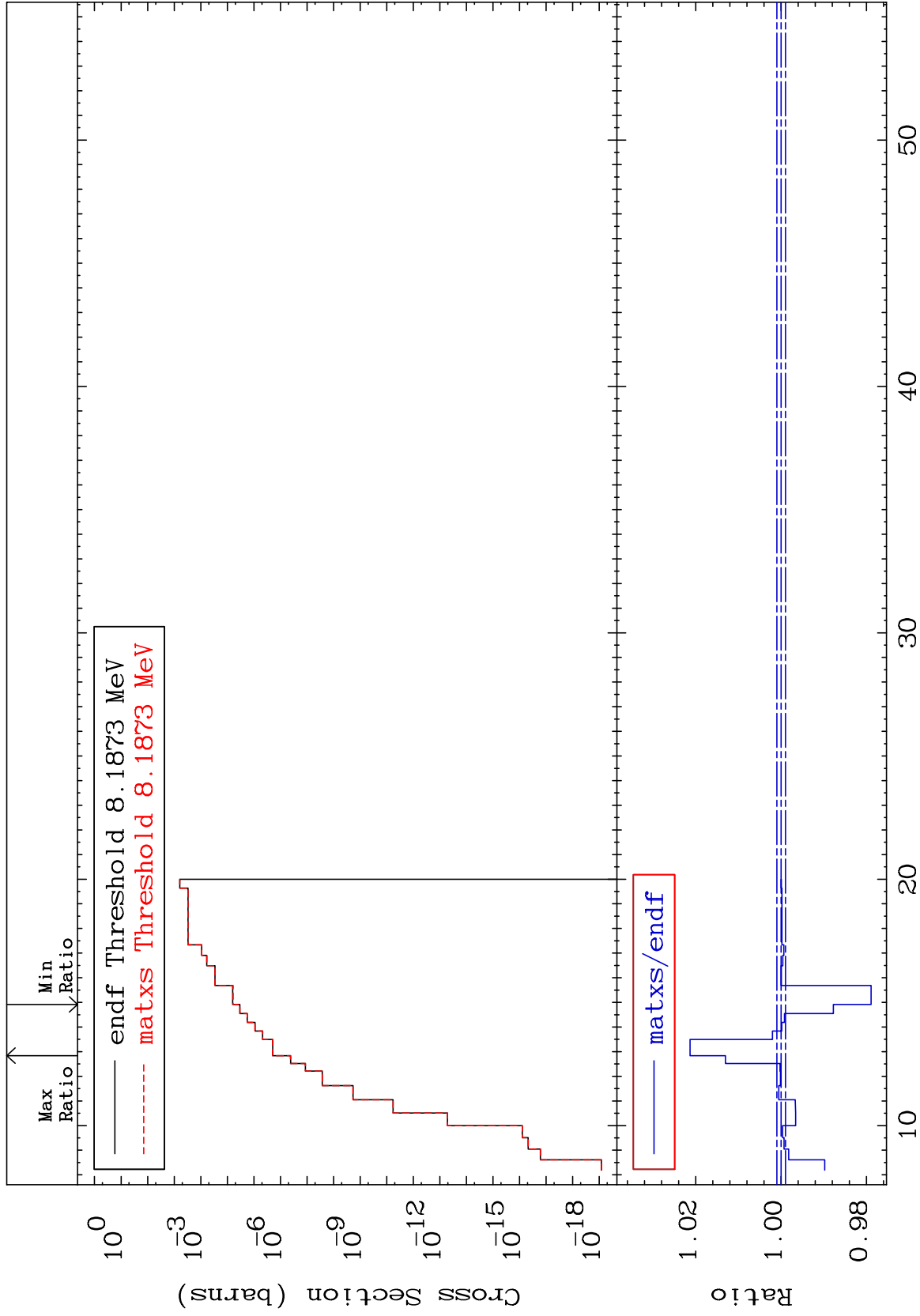
-1.347 To 1.225 %



MAT 6443

(n, n') p
Cross Section

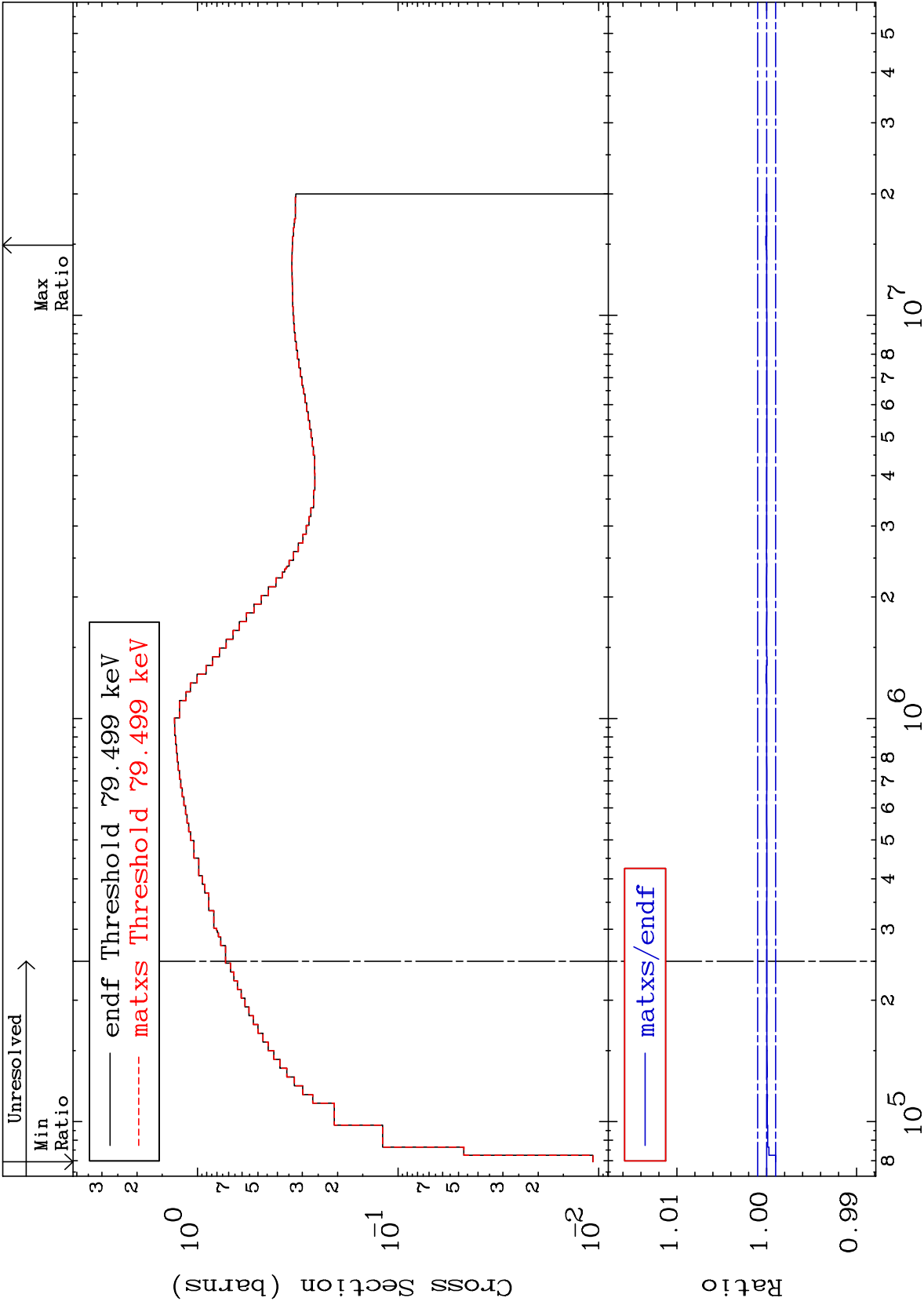
64-Gd-158
-2.107 To 2.133 %



MAT 6443

79.51 keV (n,n') Level
Cross Section

64-Gd-158
-0.100 To 0.011 %



5

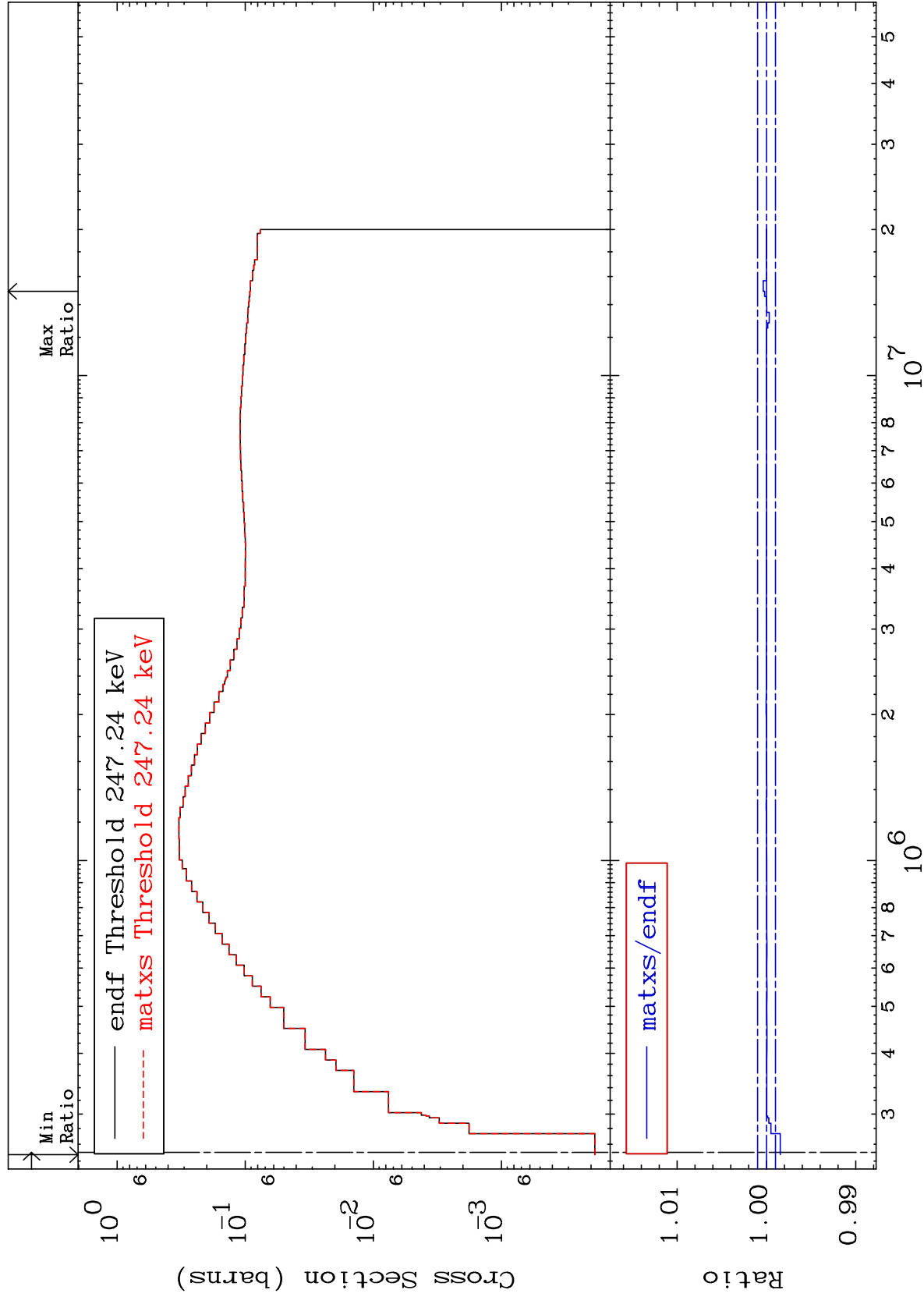
Incident Energy (eV)

64-Gd-158

MAT 6443

261.5 keV (n,n') Level
Cross Section

64-Gd-158
-0.153 To 0.037 %



6

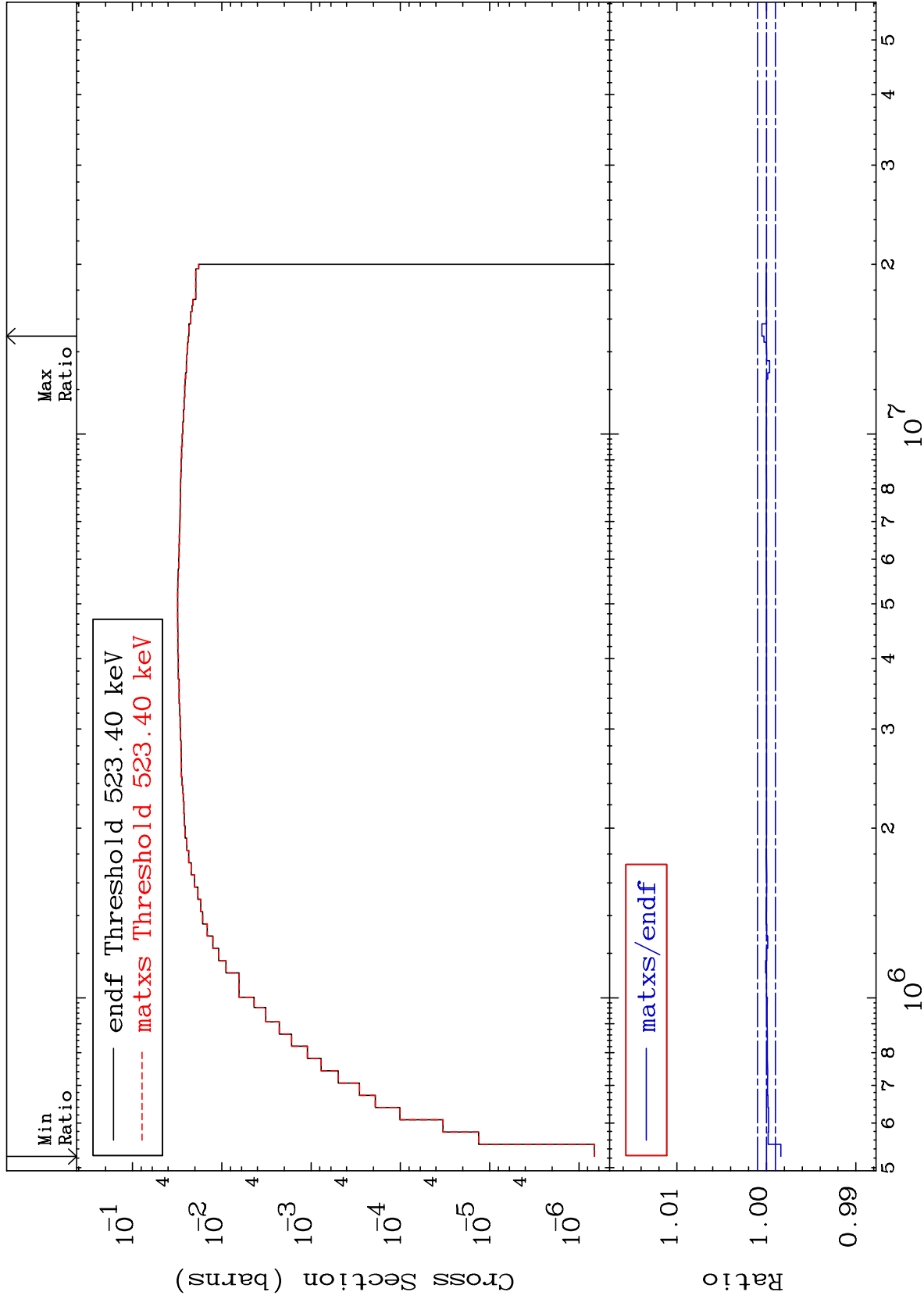
Incident Energy (eV)

64-Gd-158

MAT 6443

539.0 keV (n,n') Level
Cross Section

64-Gd-158
-0.162 To 0.051 %



7

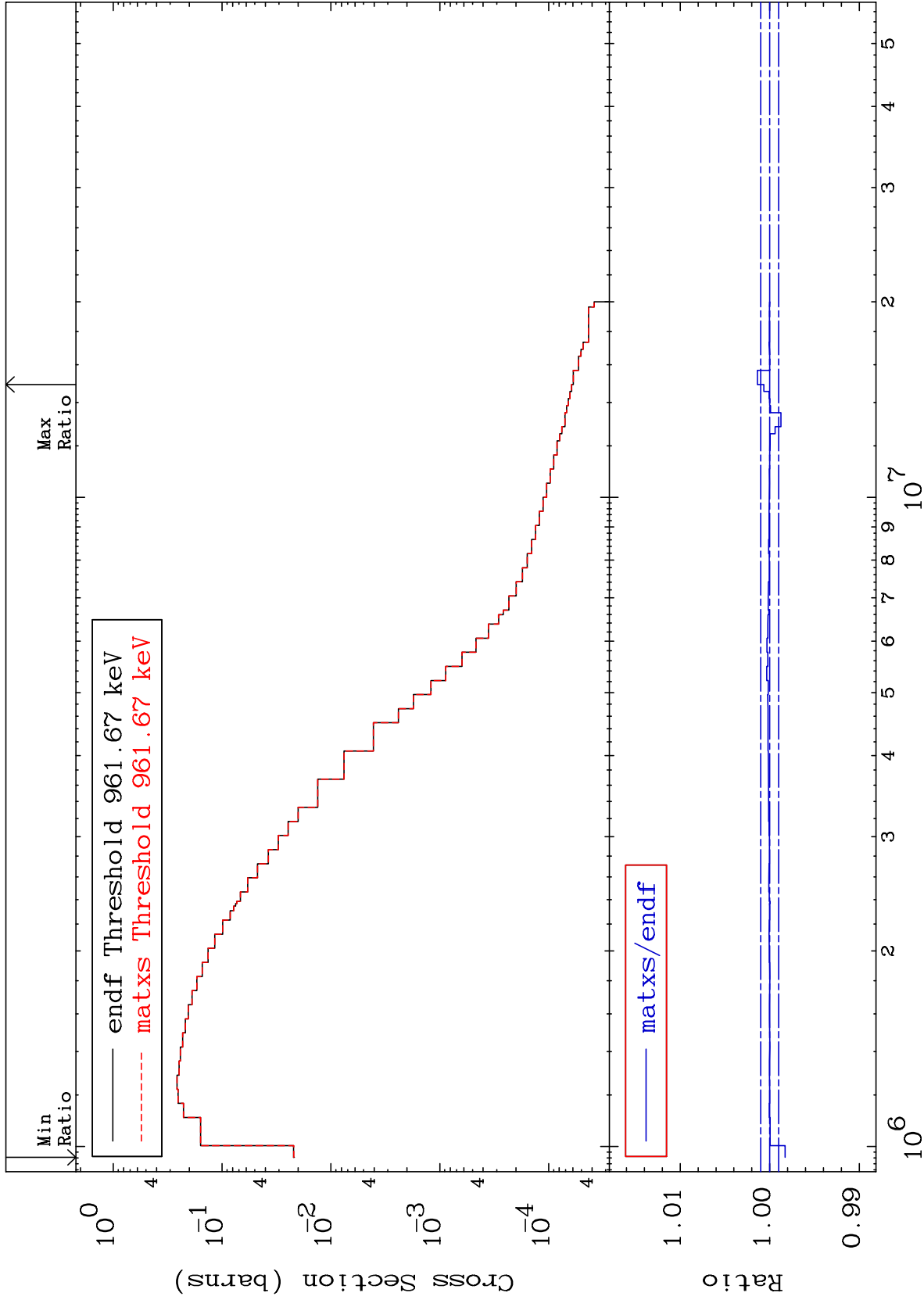
Incident Energy (eV)

64-Gd-158

MAT 6443

977.1 keV (n,n') Level
Cross Section

64-Gd-158
-0.171 To 0.137 %



64-Gd-158

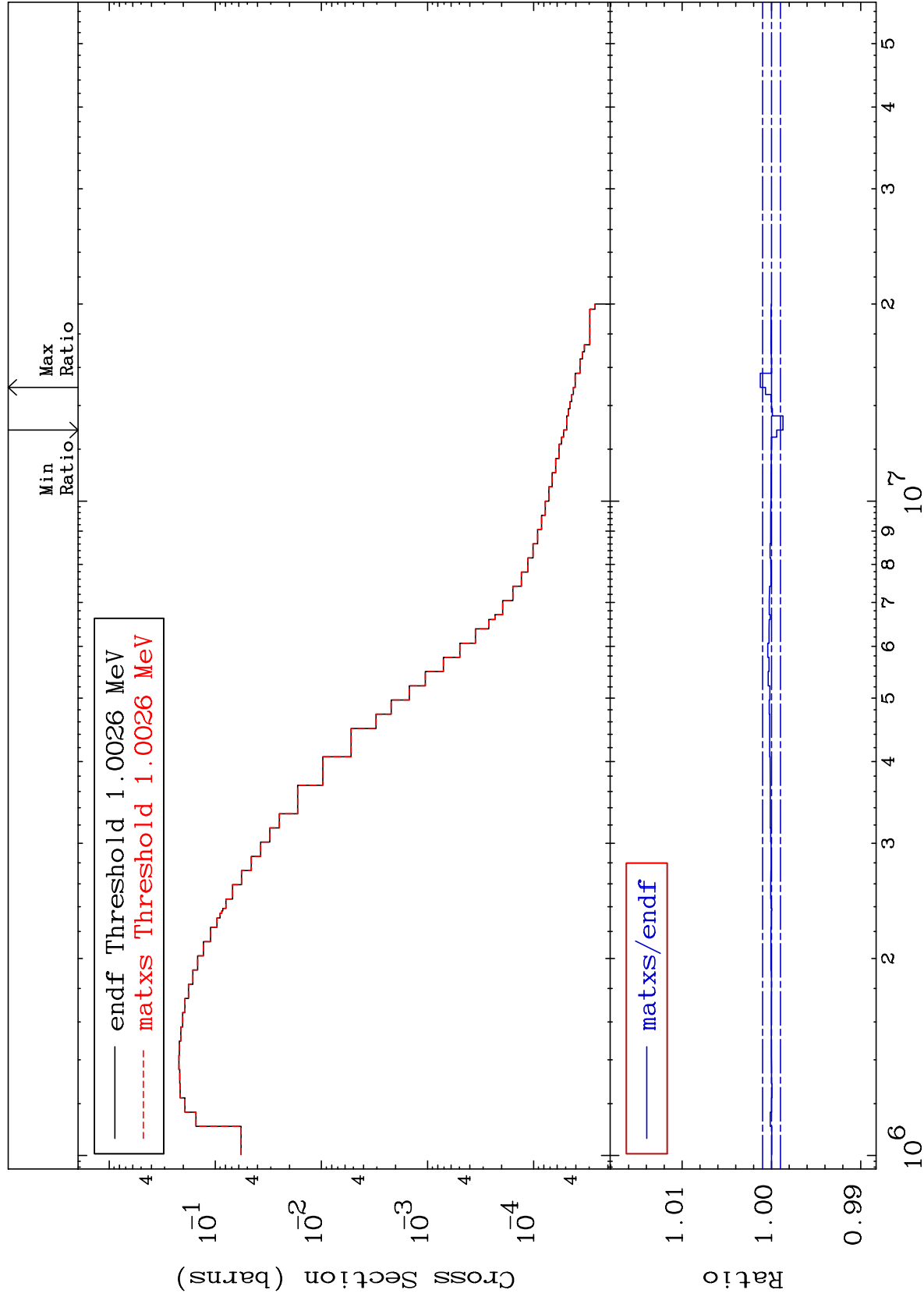
Incident Energy (eV)

8

MAT 6443

1.024 MeV (n,n') Level
Cross Section

64-Gd-158
-0.129 To 0.124 %

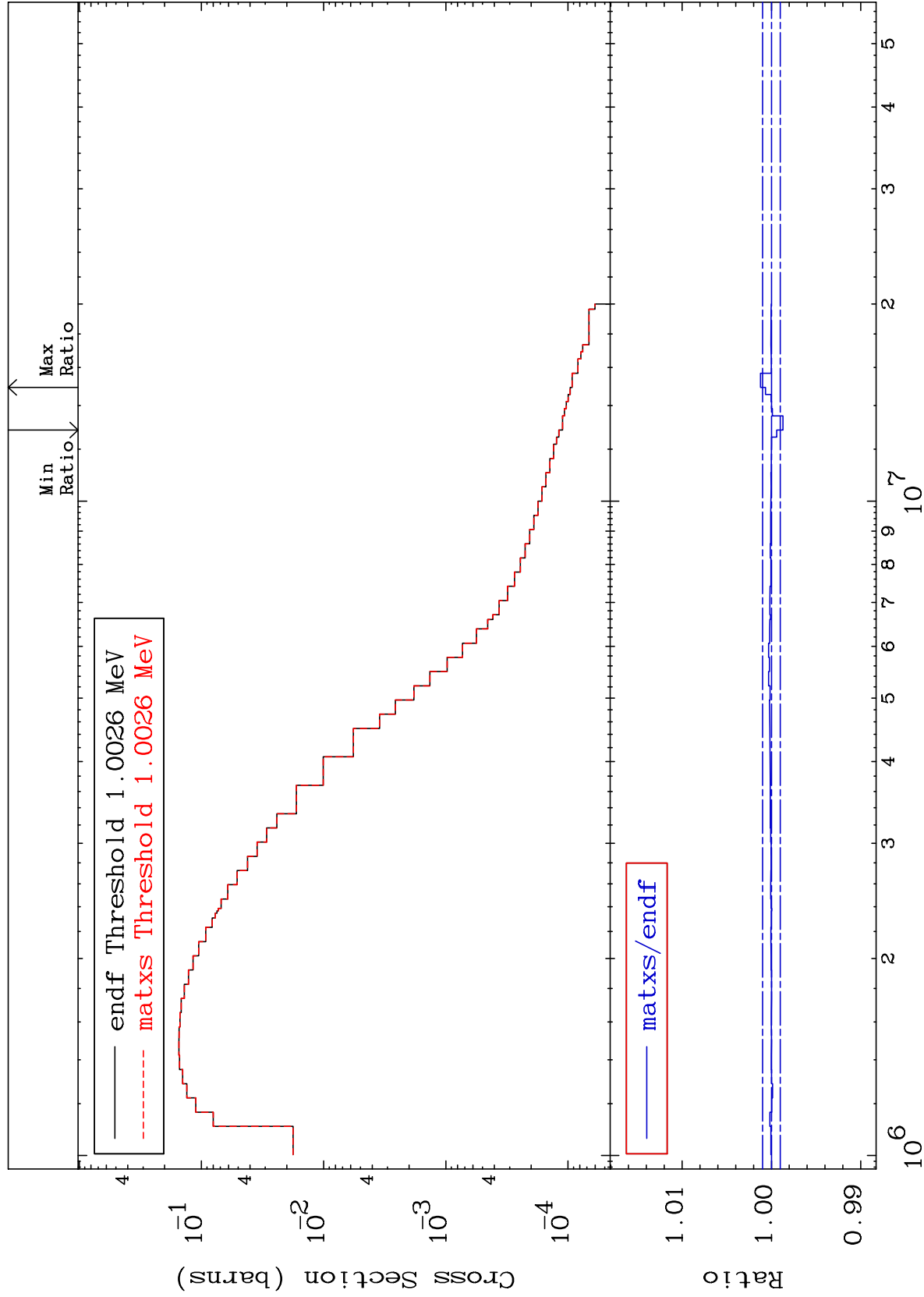


64-Gd-158

MAT 6443

1.042 MeV (n,n') Level
Cross Section

64-Gd-158
-0.128 To 0.123 %

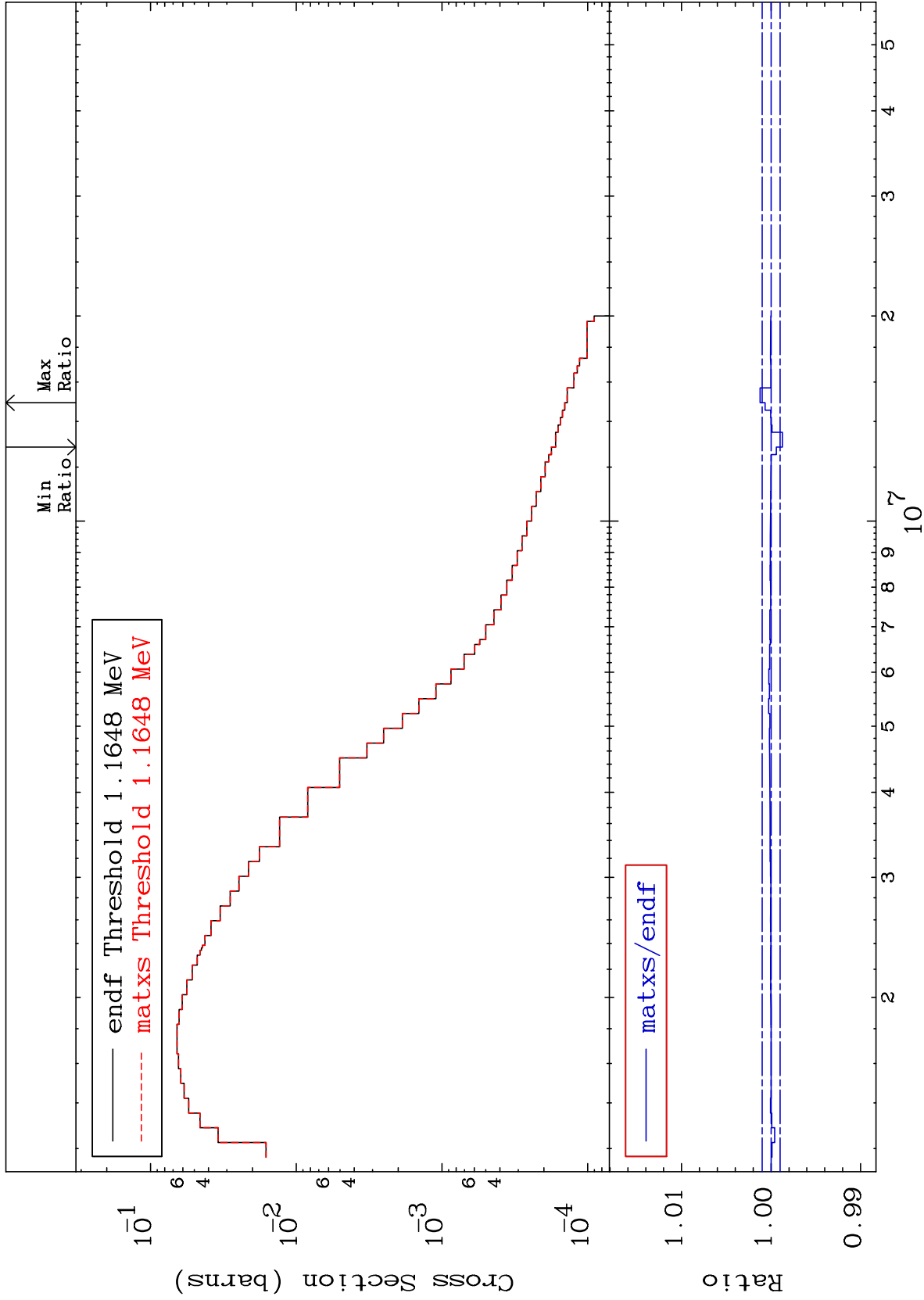


64-Gd-158

MAT 6443

1.159 MeV (n,n') Level
Cross Section

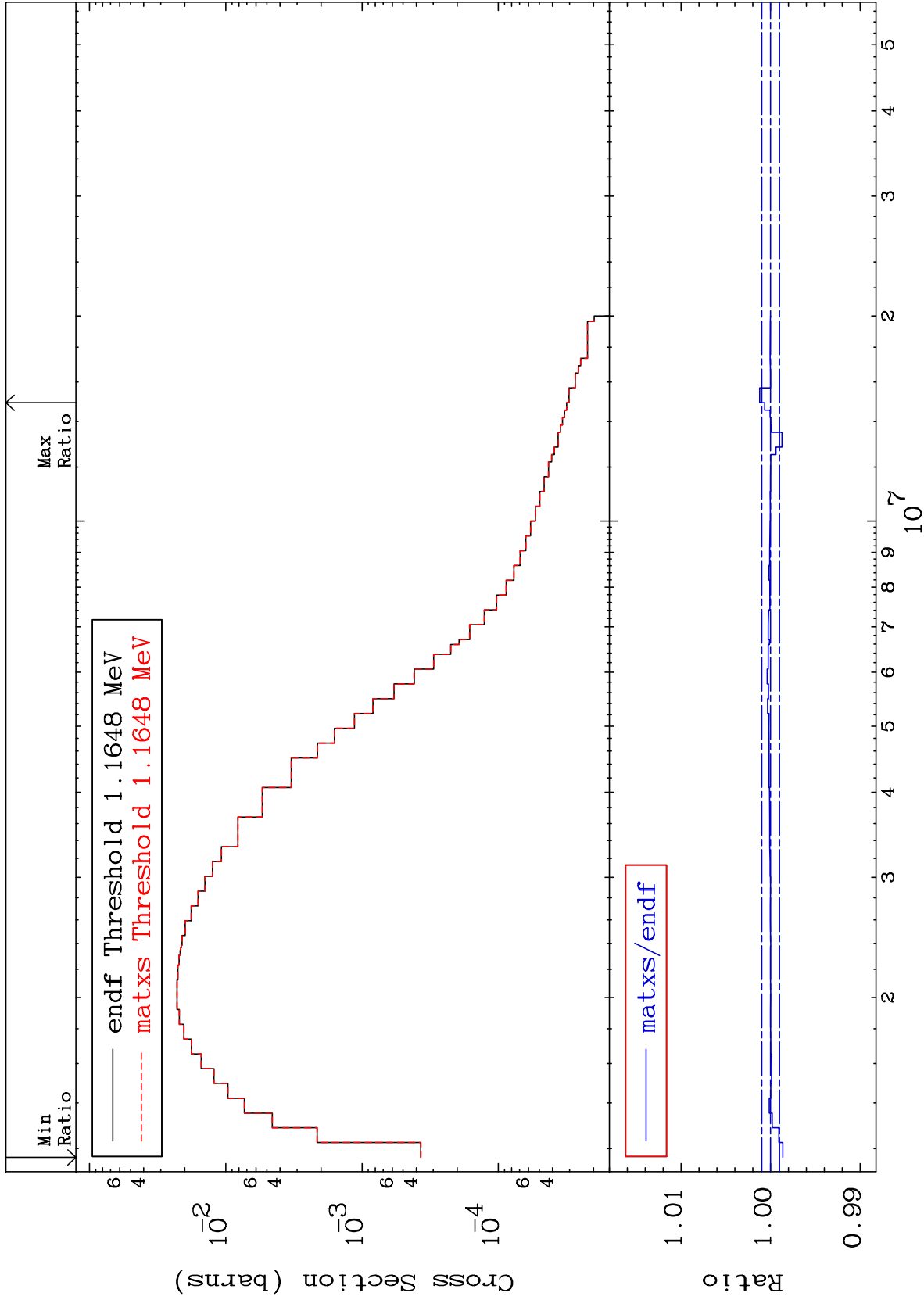
64-Gd-158
-0.127 To 0.123 %



MAT 6443

1.176 MeV (n,n') Level
Cross Section

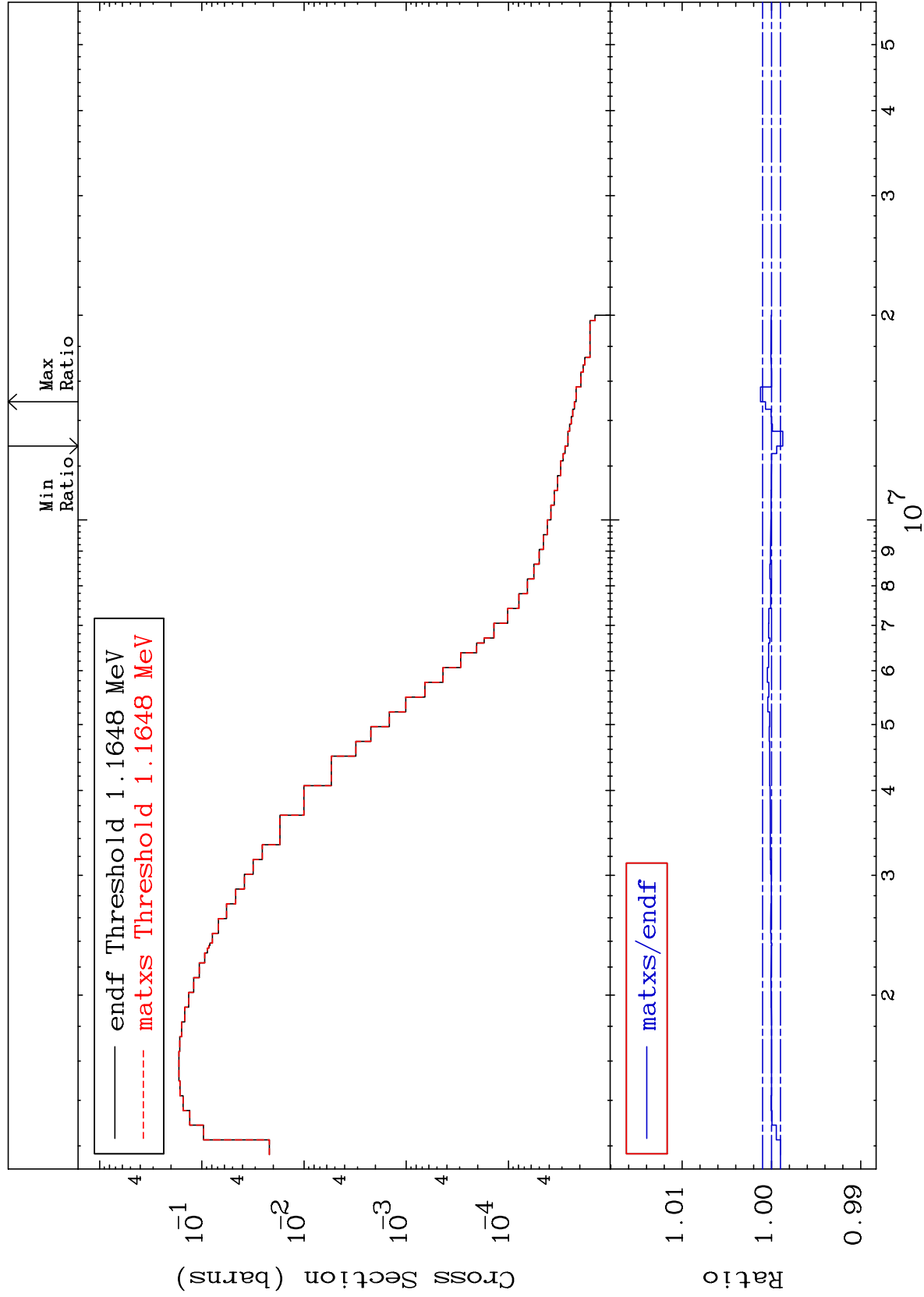
64-Gd-158
-0.137 To 0.123 %



MAT 6443

1.187 MeV (n,n') Level
Cross Section

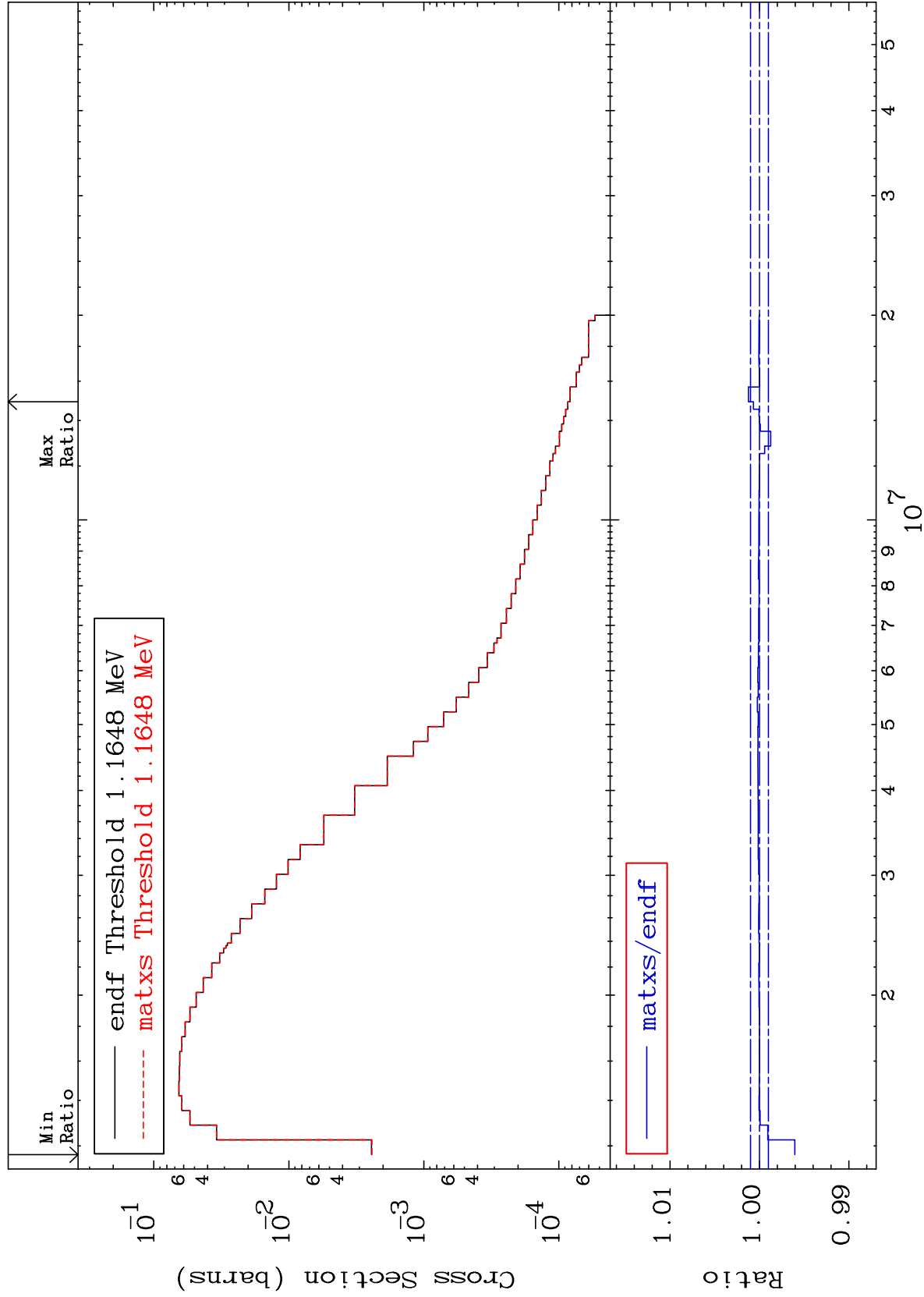
64-Gd-158
-0.127 To 0.123 %



MAT 6443

1.196 MeV (n,n') Level
Cross Section

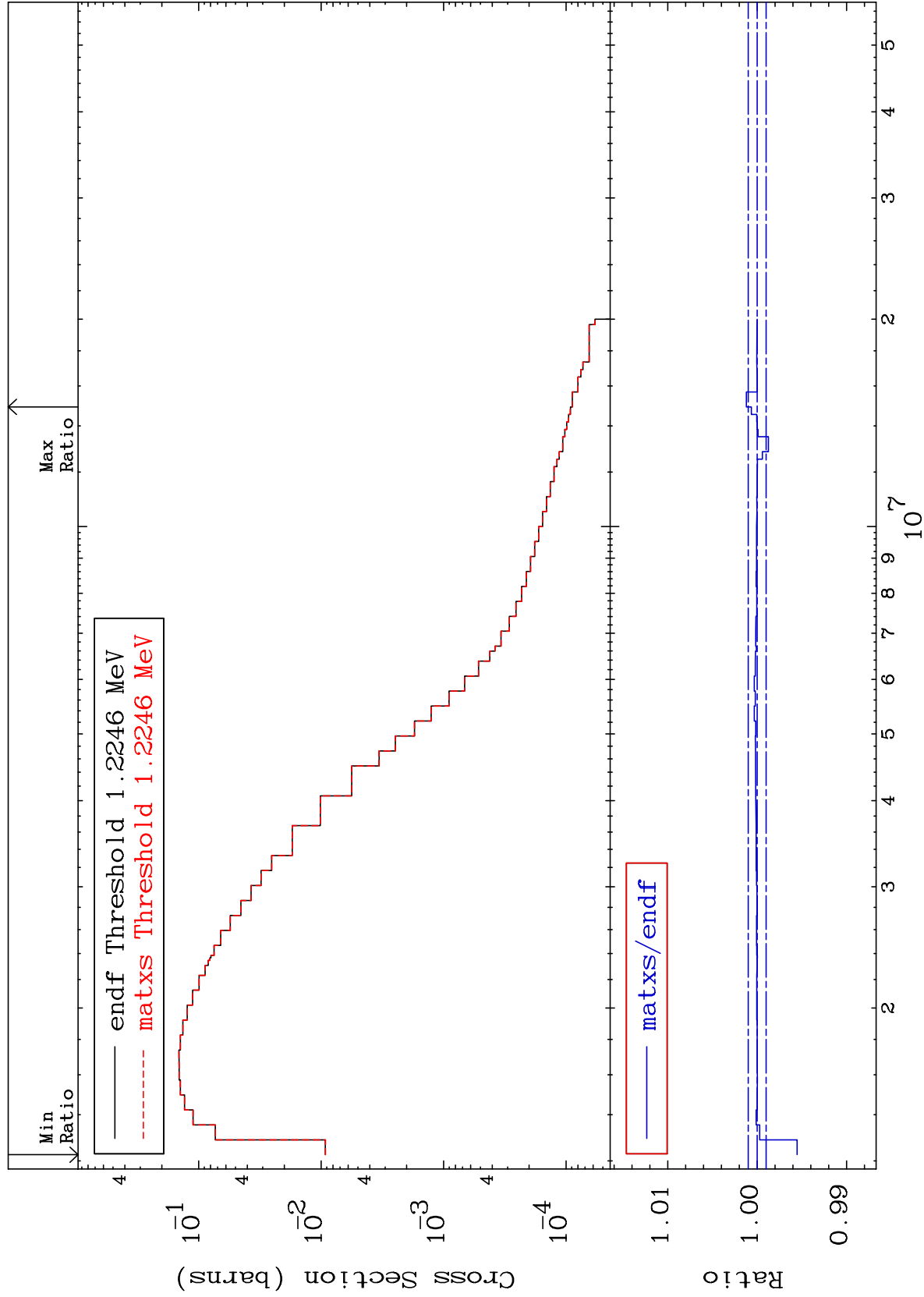
64-Gd-158
-0.397 To 0.123 %



MAT 6443

1.260 MeV (n,n') Level
Cross Section

64-Gd-158
-0.445 To 0.122 %



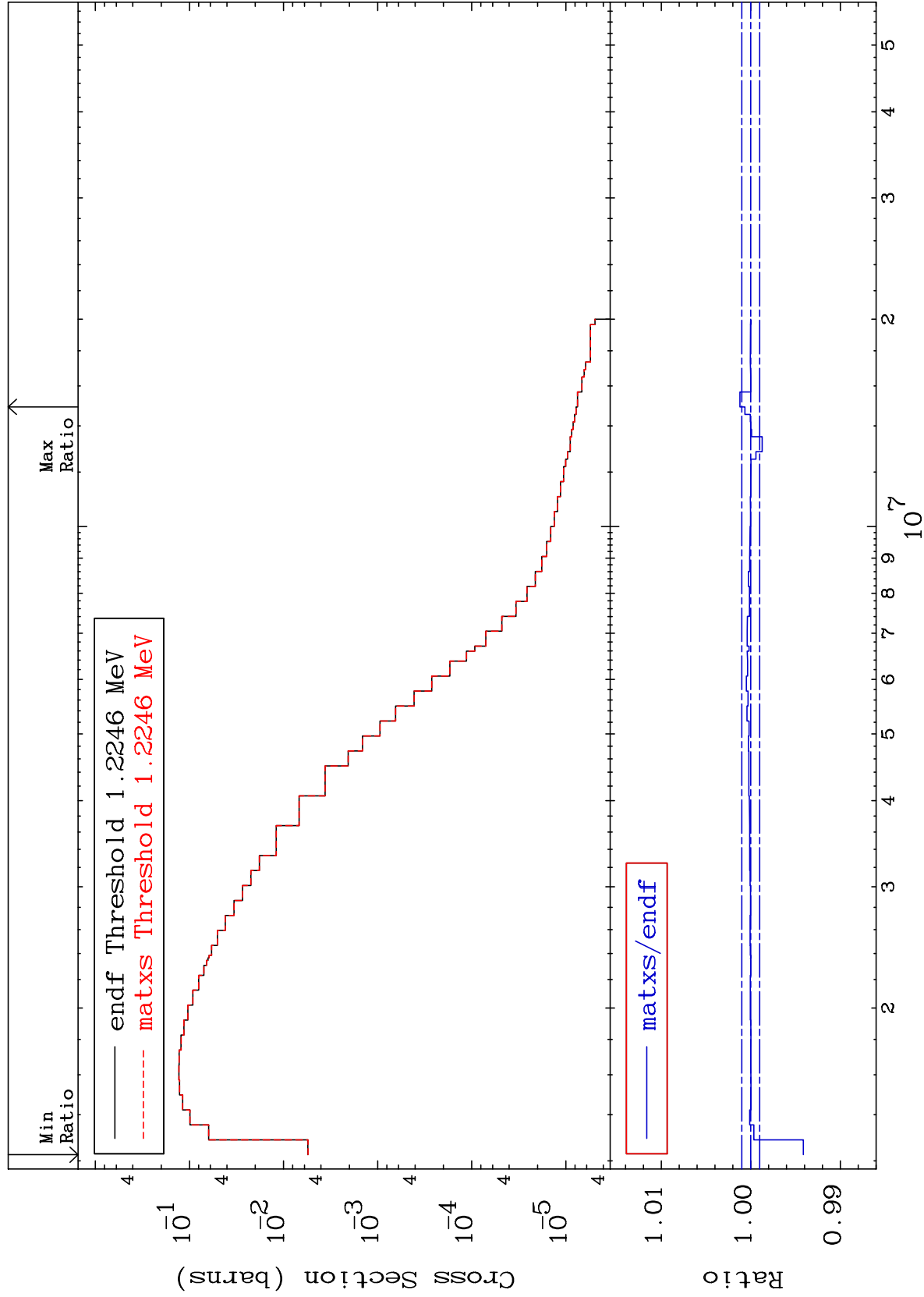
15

64-Gd-158

MAT 6443

1.264 MeV (n,n') Level
Cross Section

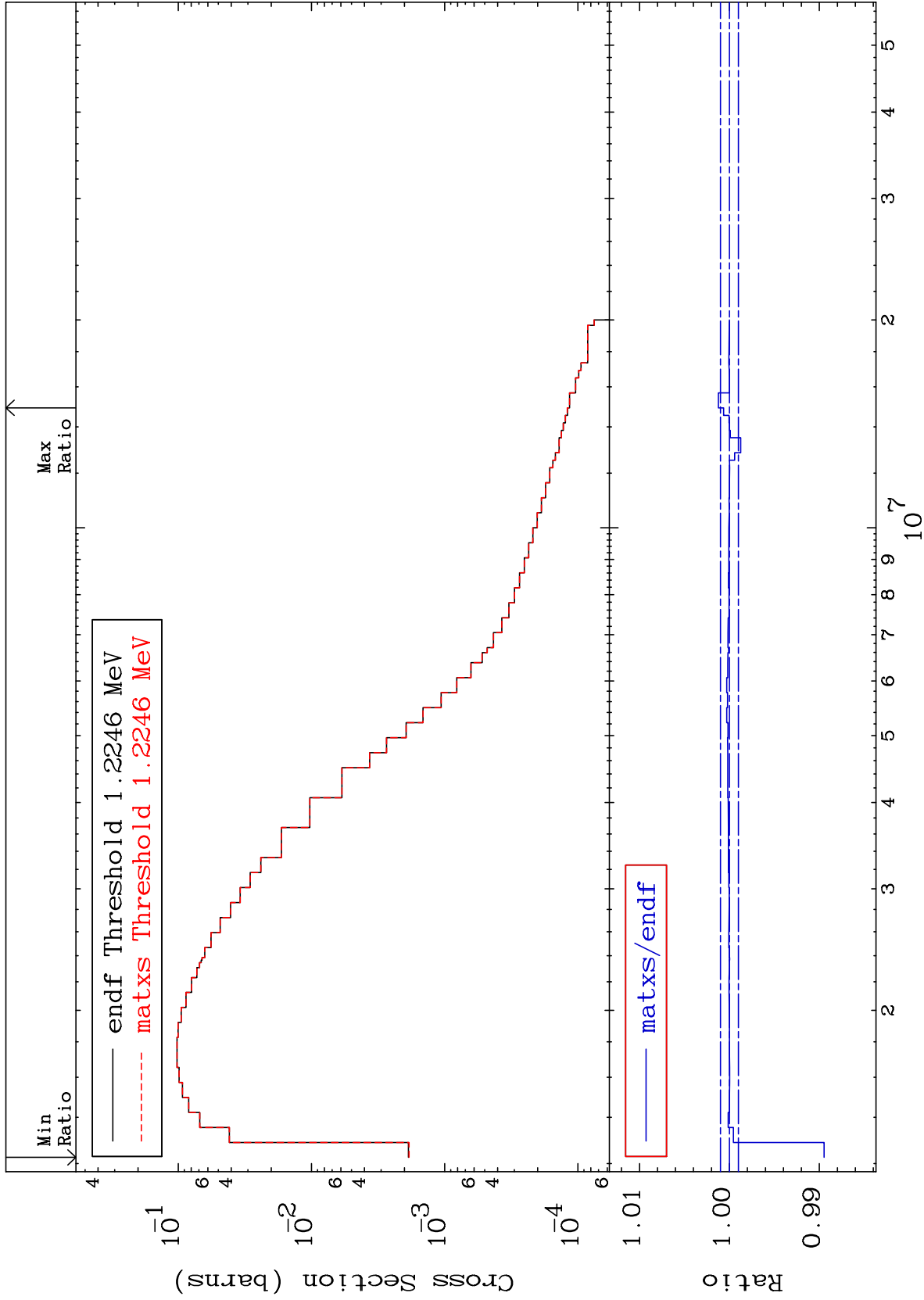
64-Gd-158
-0.588 To 0.122 %



MAT 6443

1.266 MeV (n,n') Level
Cross Section

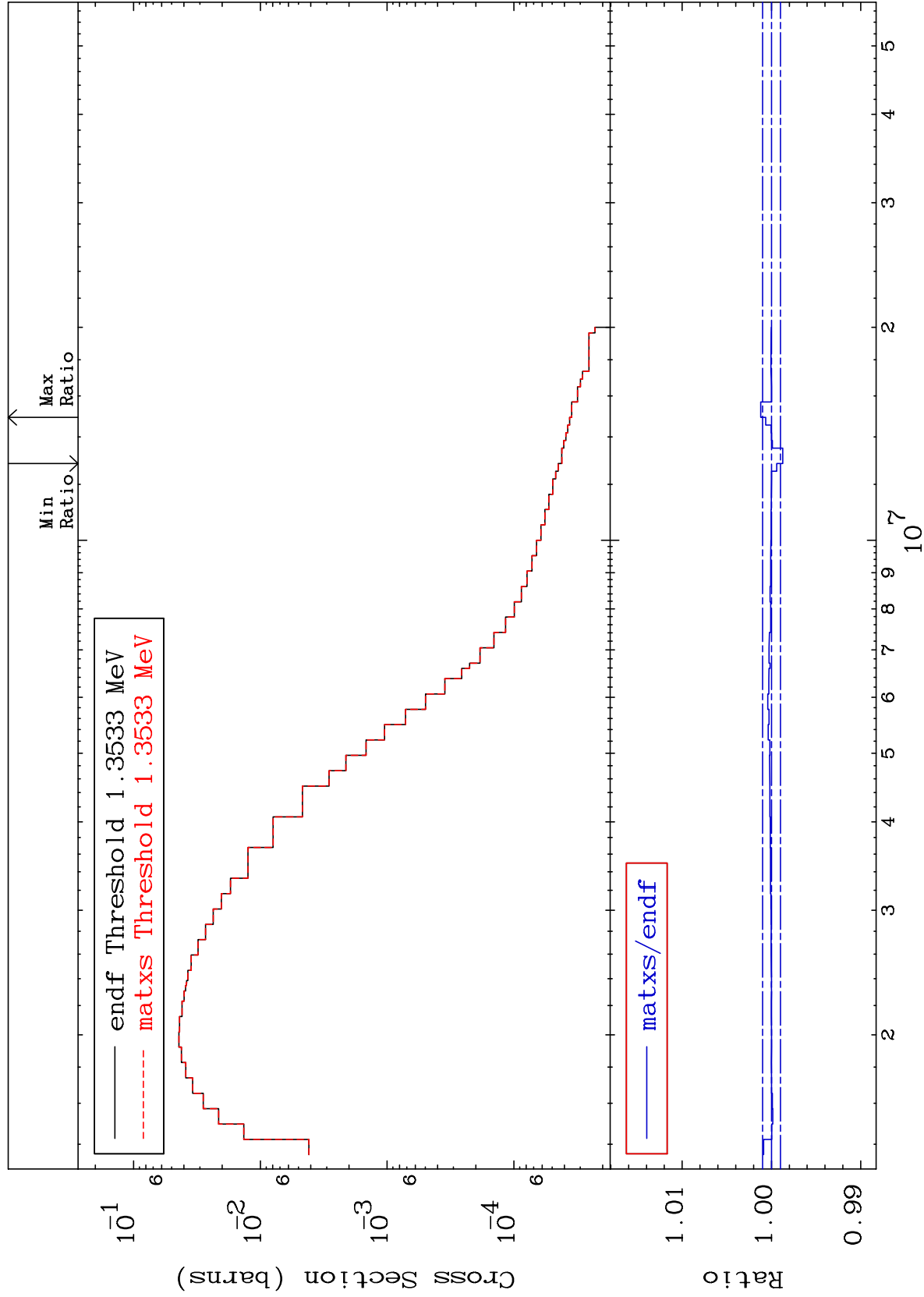
64-Gd-158
-1.052 To 0.122 %



MAT 6443

1.358 MeV (n,n') Level
Cross Section

64-Gd-158
-0.126 To 0.121 %



18

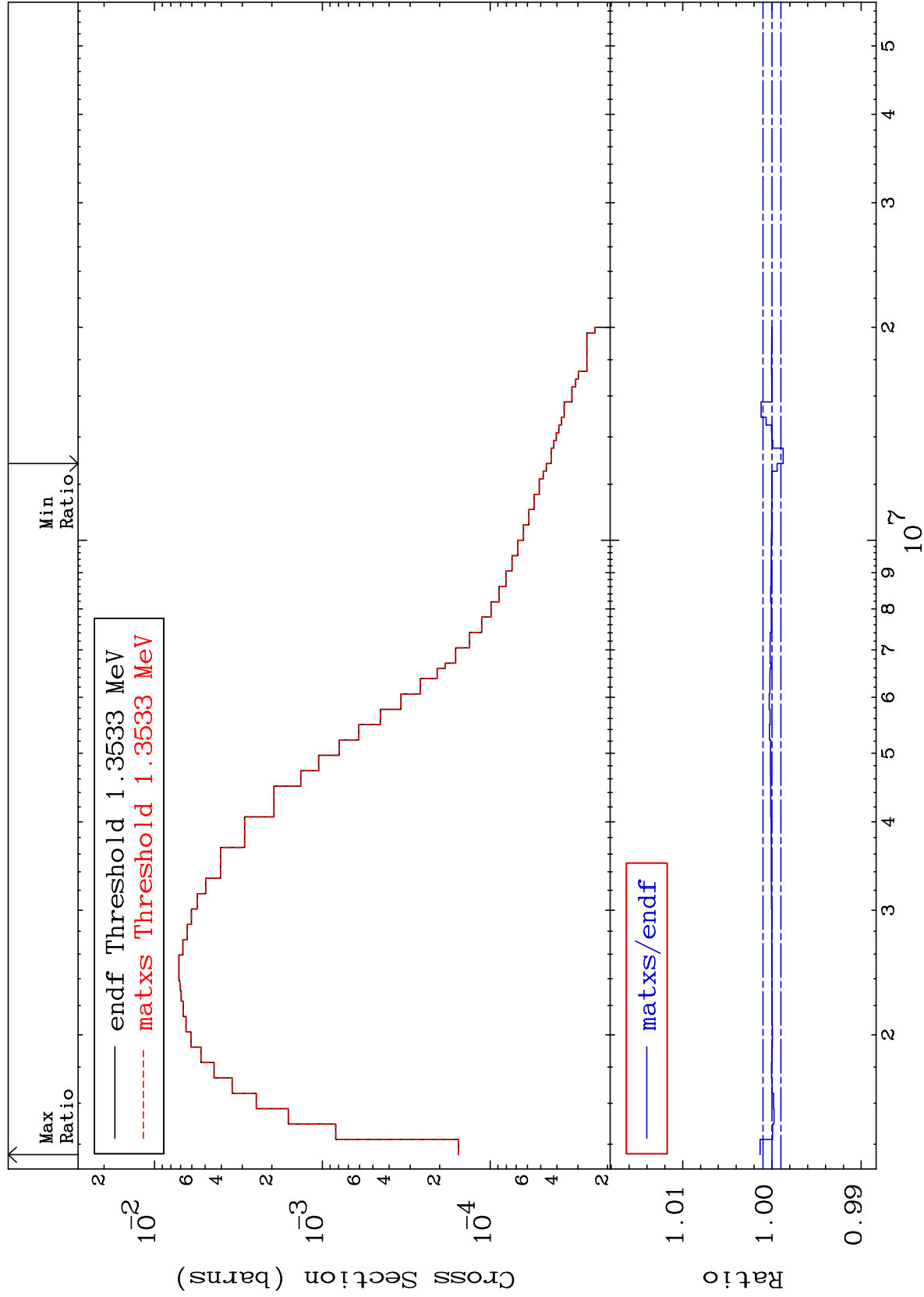
Incident Energy (eV)

64-Gd-158

MAT 6443

1.372 MeV (n,n') Level
Cross Section

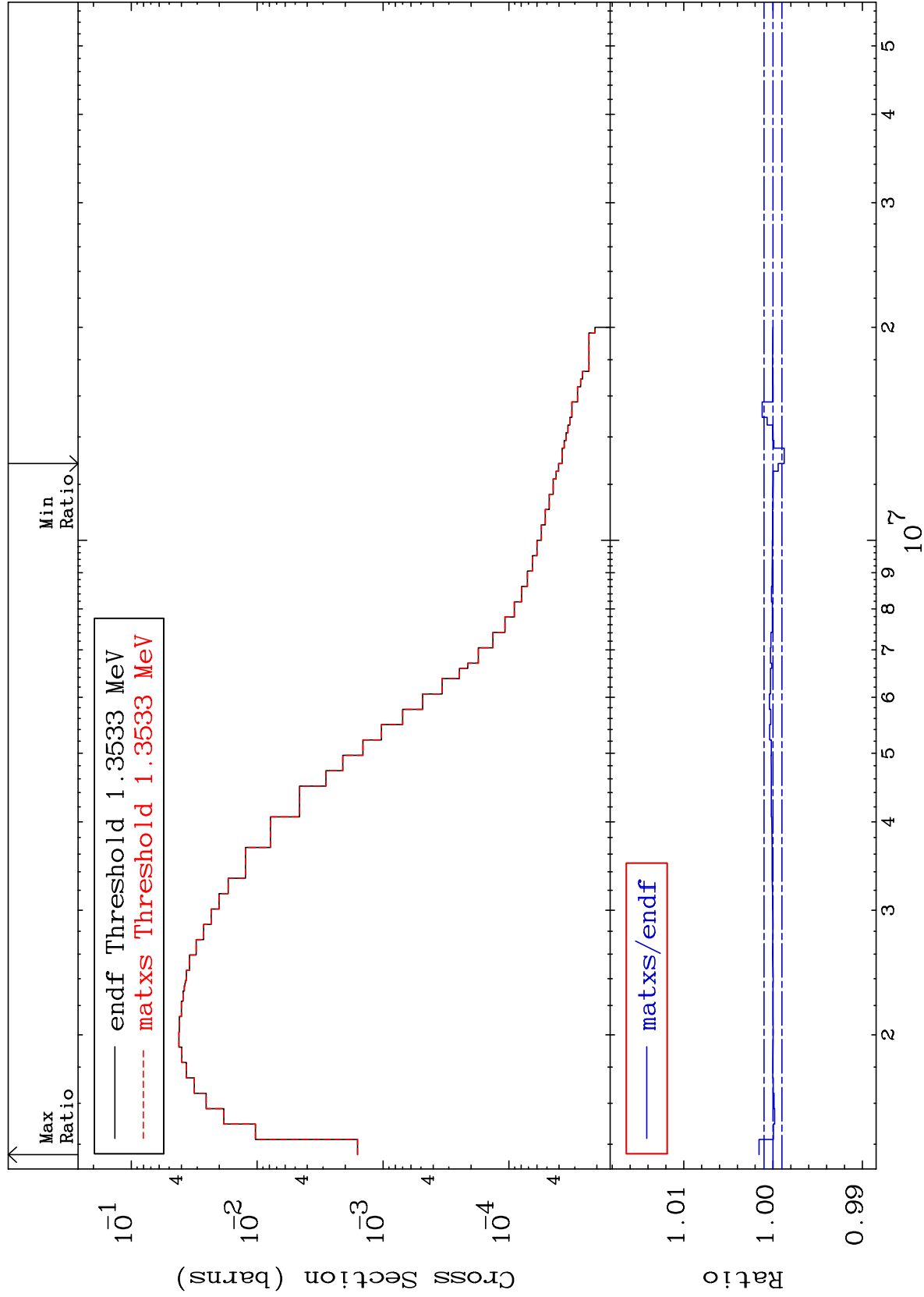
64-Gd-158
-0.125 To 0.132 %



MAT 6443

1.381 MeV (n,n') Level
Cross Section

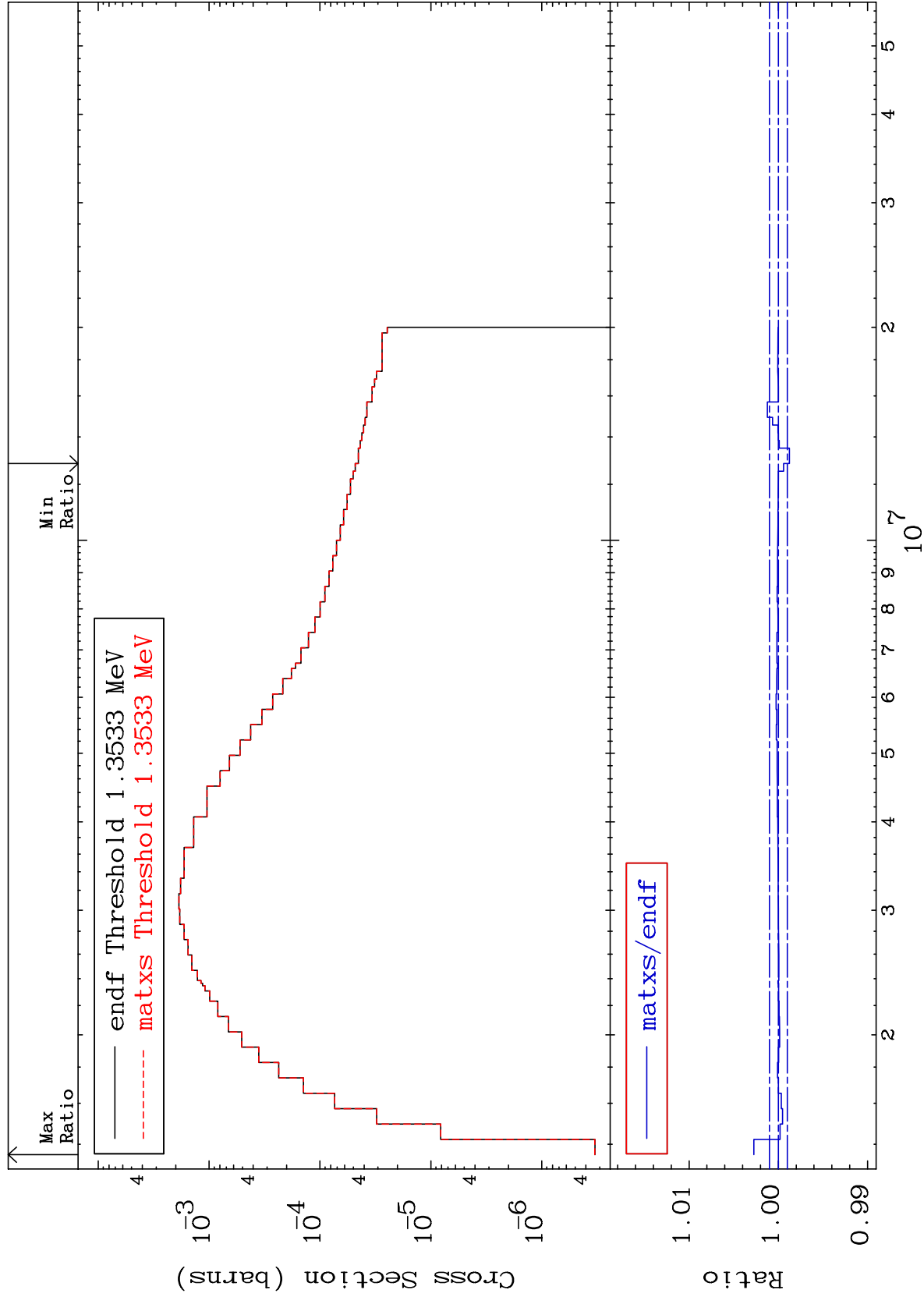
64-Gd-158
-0.125 To 0.156 %



MAT 6443

1.391 MeV (n,n') Level
Cross Section

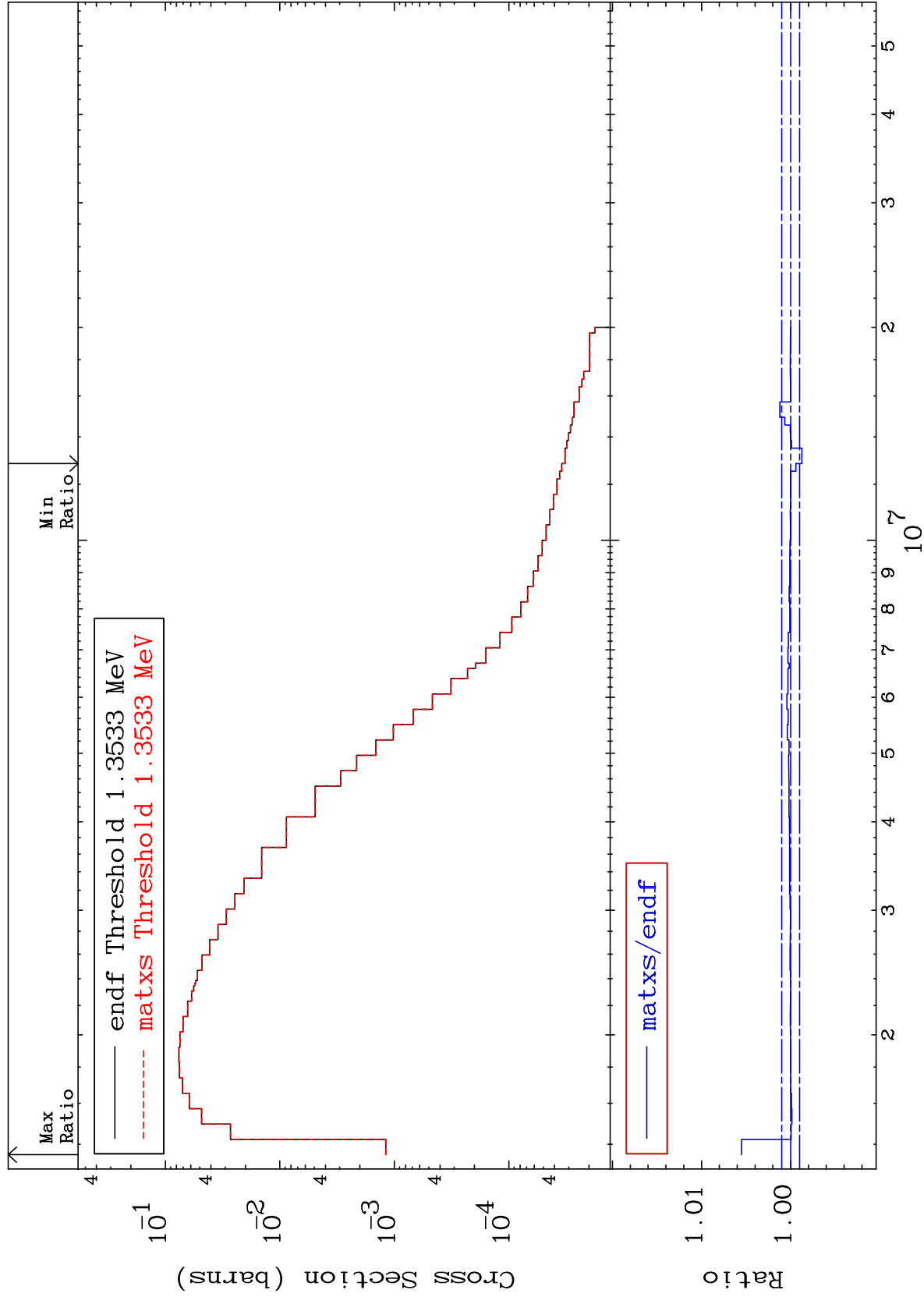
64-Gd-158
-0.125 To 0.275 %



MAT 6443

1.403 MeV (n,n') Level
Cross Section

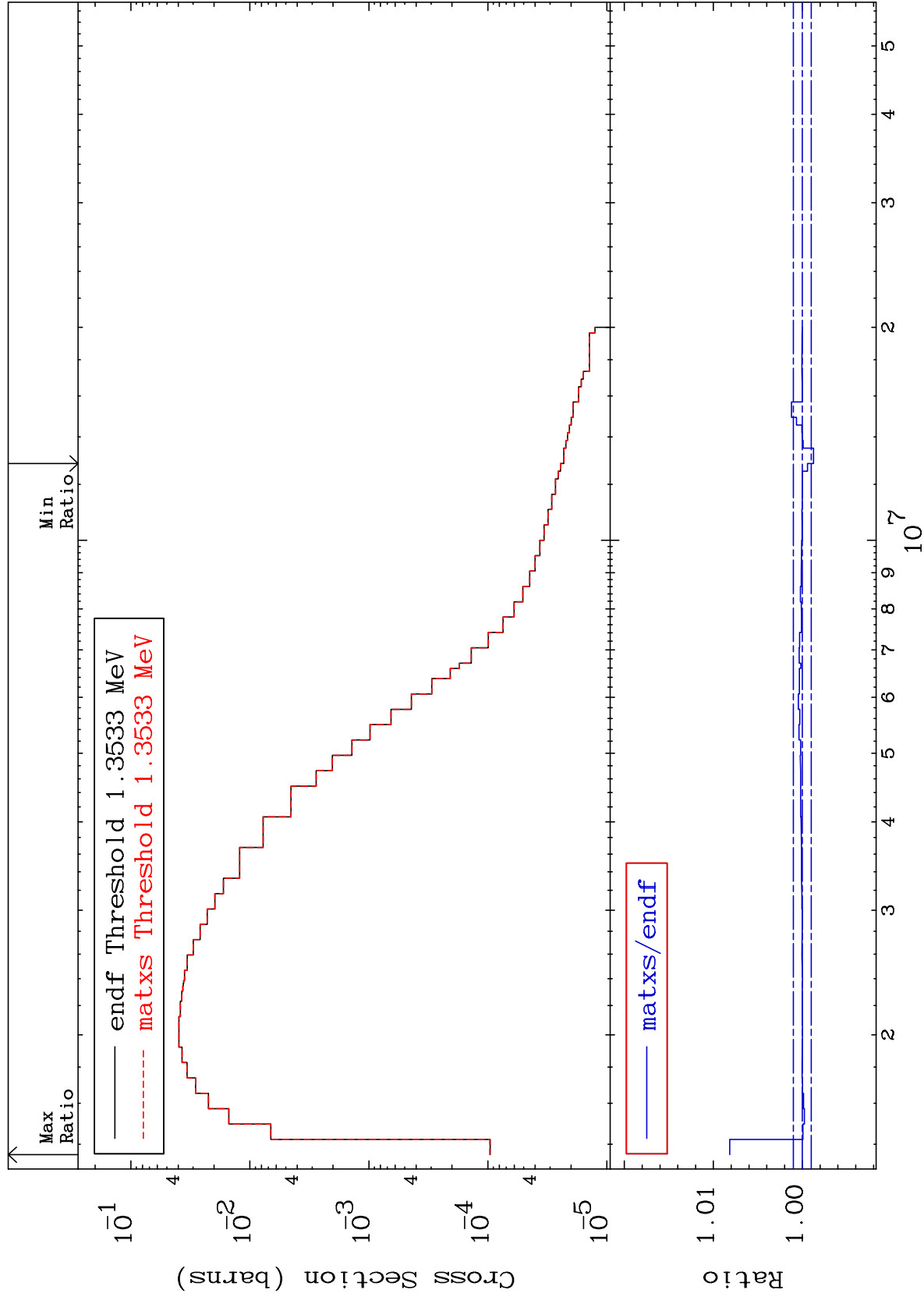
64-Gd-158
-0.125 To 0.552 %



MAT 6443

1.407 MeV (n,n') Level
Cross Section

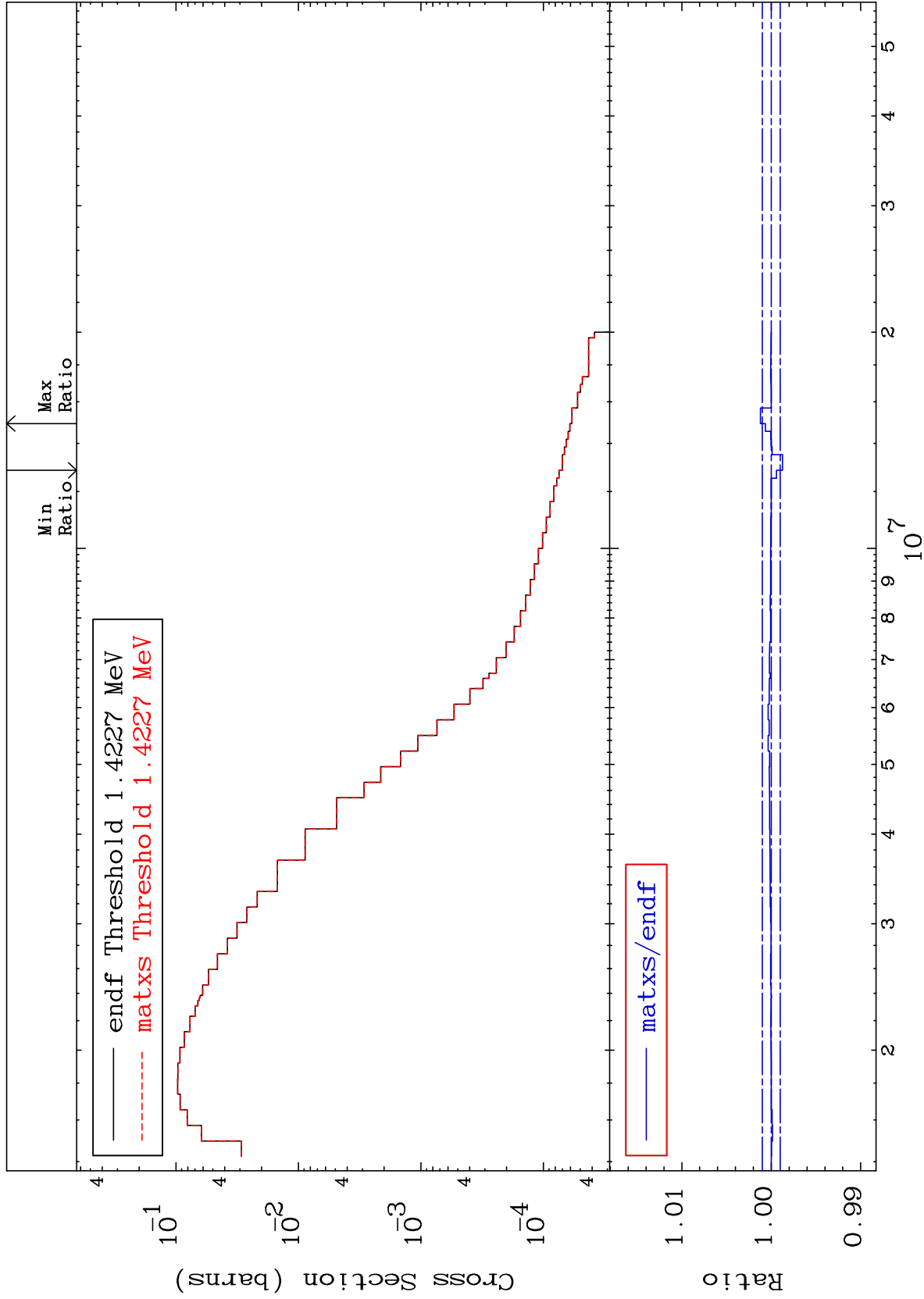
64-Gd-158
-0.125 To 0.815 %



MAT 6443

1.414 MeV (n,n') Level
Cross Section

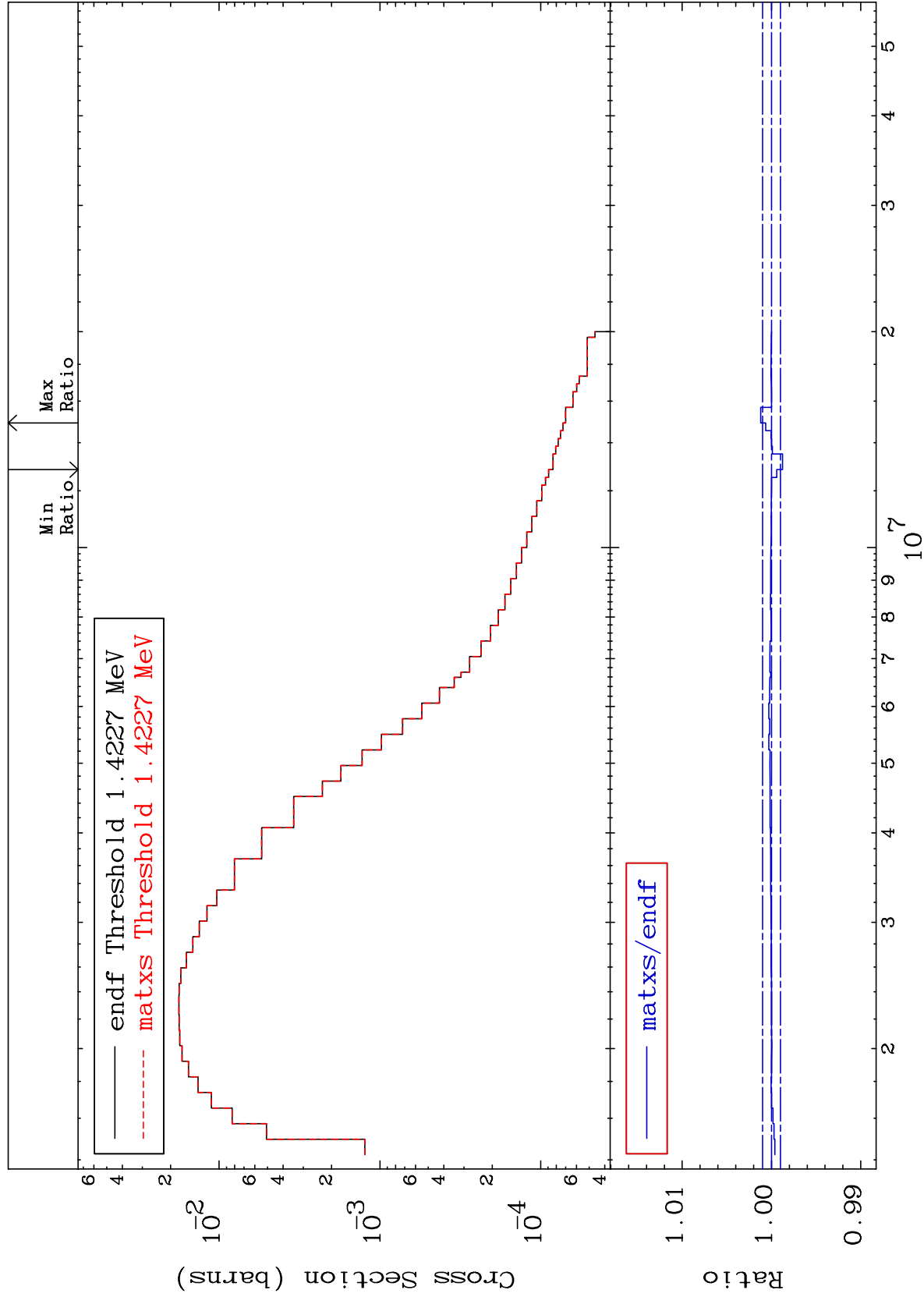
64-Gd-158
-0.125 To 0.122 %



MAT 6443

1.440 MeV (n,n') Level
Cross Section

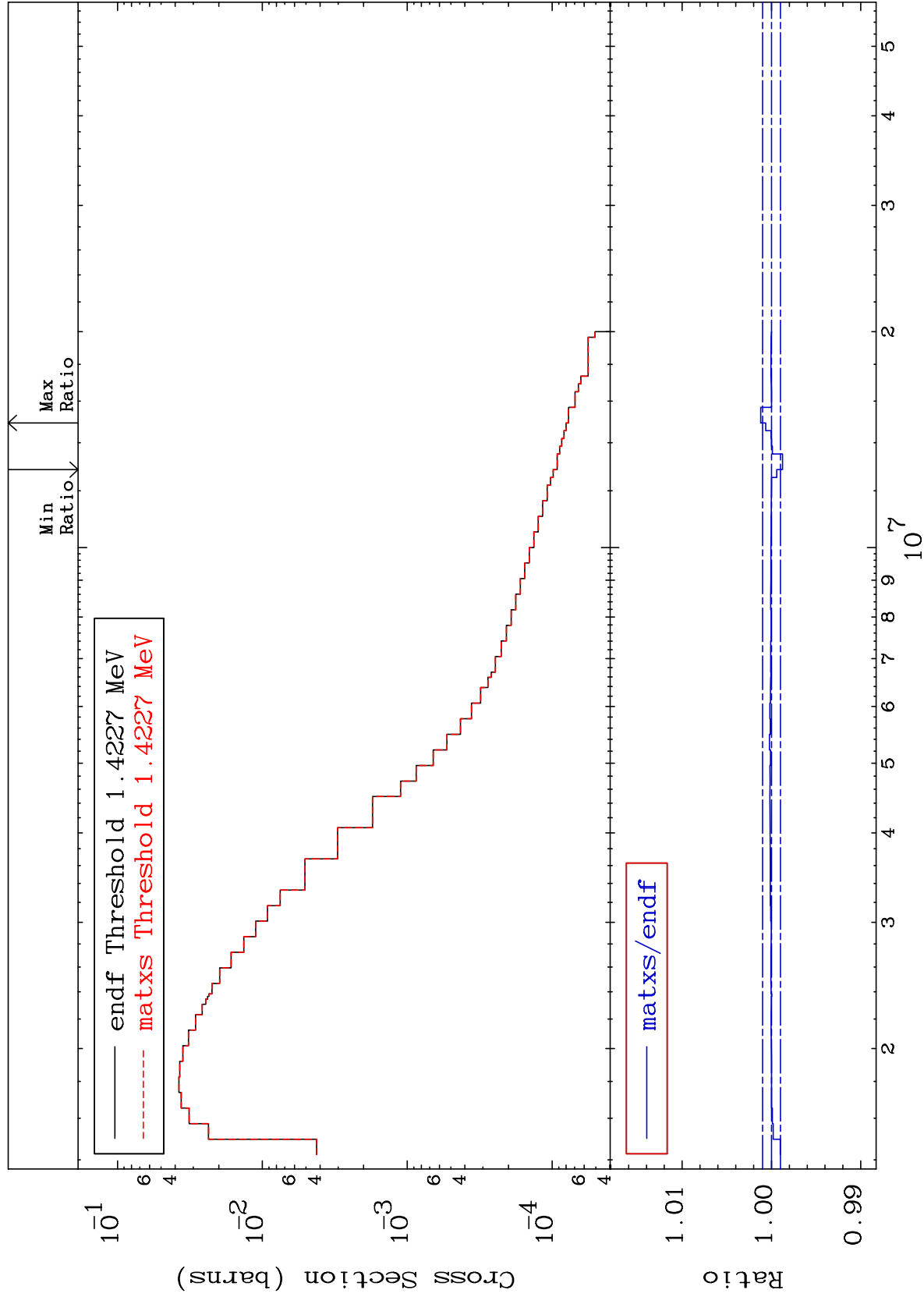
64-Gd-158
-0.125 To 0.121 %



MAT 6443

1.452 MeV (n,n') Level
Cross Section

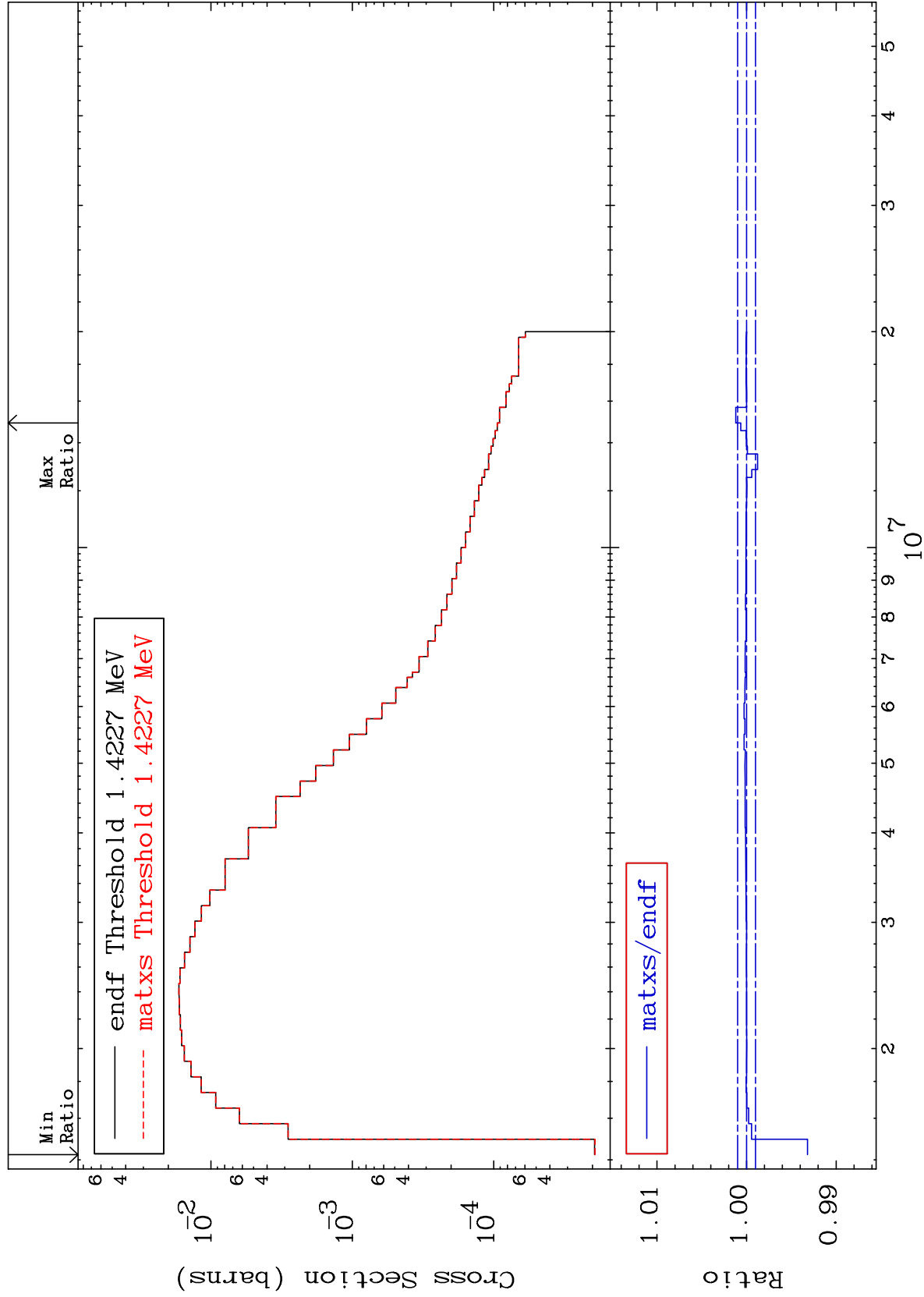
64-Gd-158
-0.125 To 0.121 %



MAT 6443

1.481 MeV (n,n') Level
Cross Section

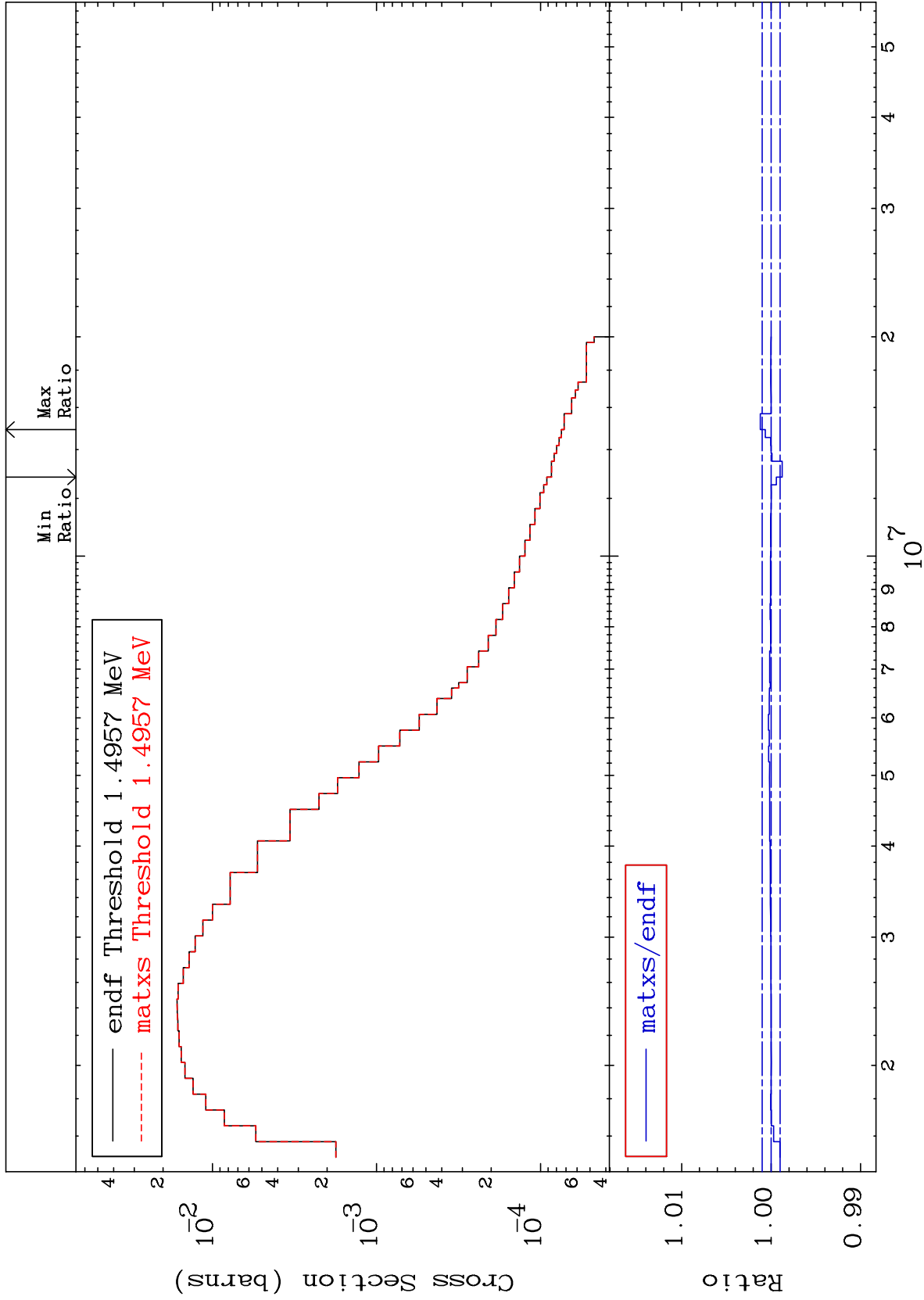
64-Gd-158
-0.681 To 0.121 %



MAT 6443

1.499 MeV (n,n') Level
Cross Section

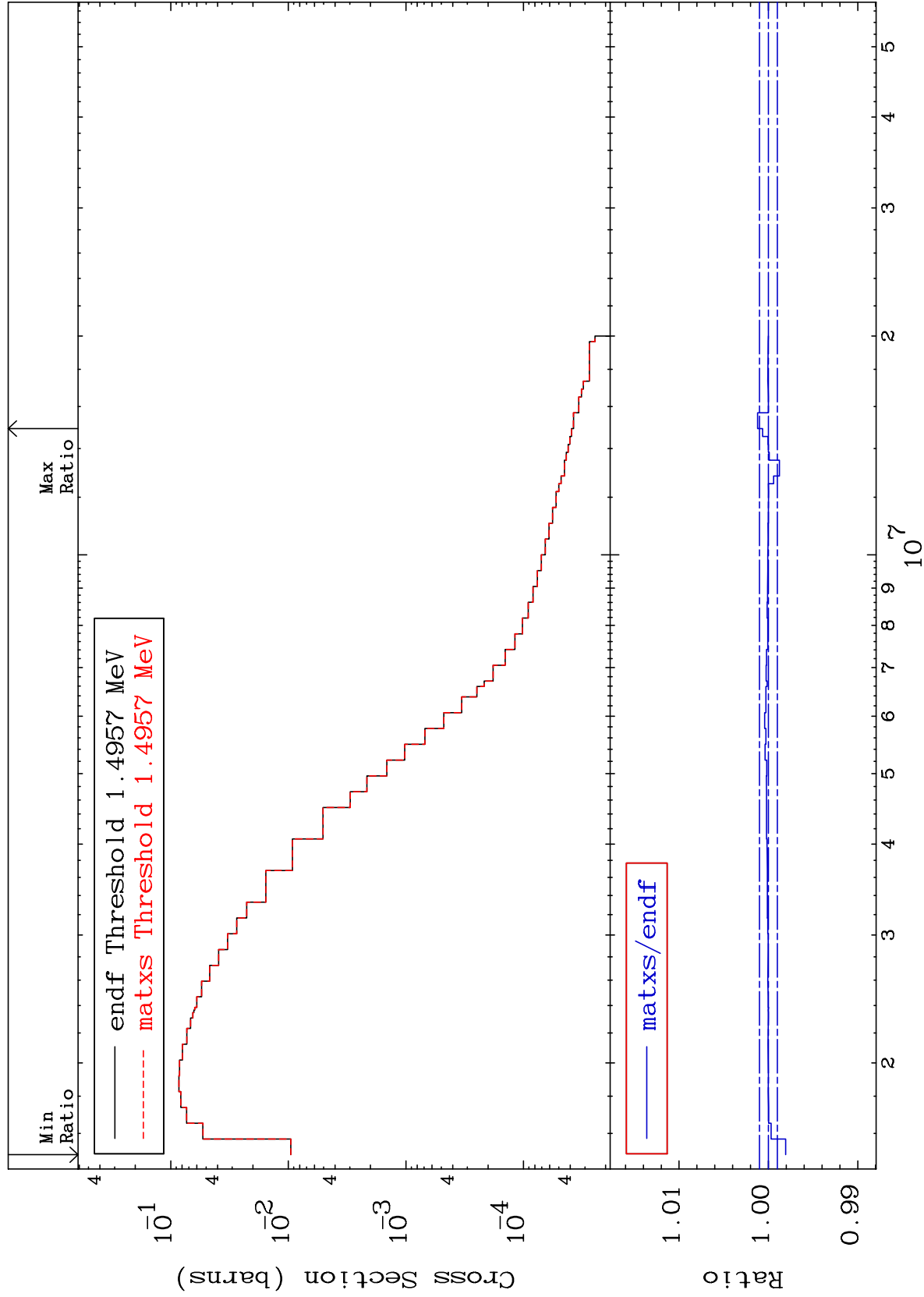
64-Gd-158
-0.124 To 0.121 %



MAT 6443

1.517 MeV (n,n') Level
Cross Section

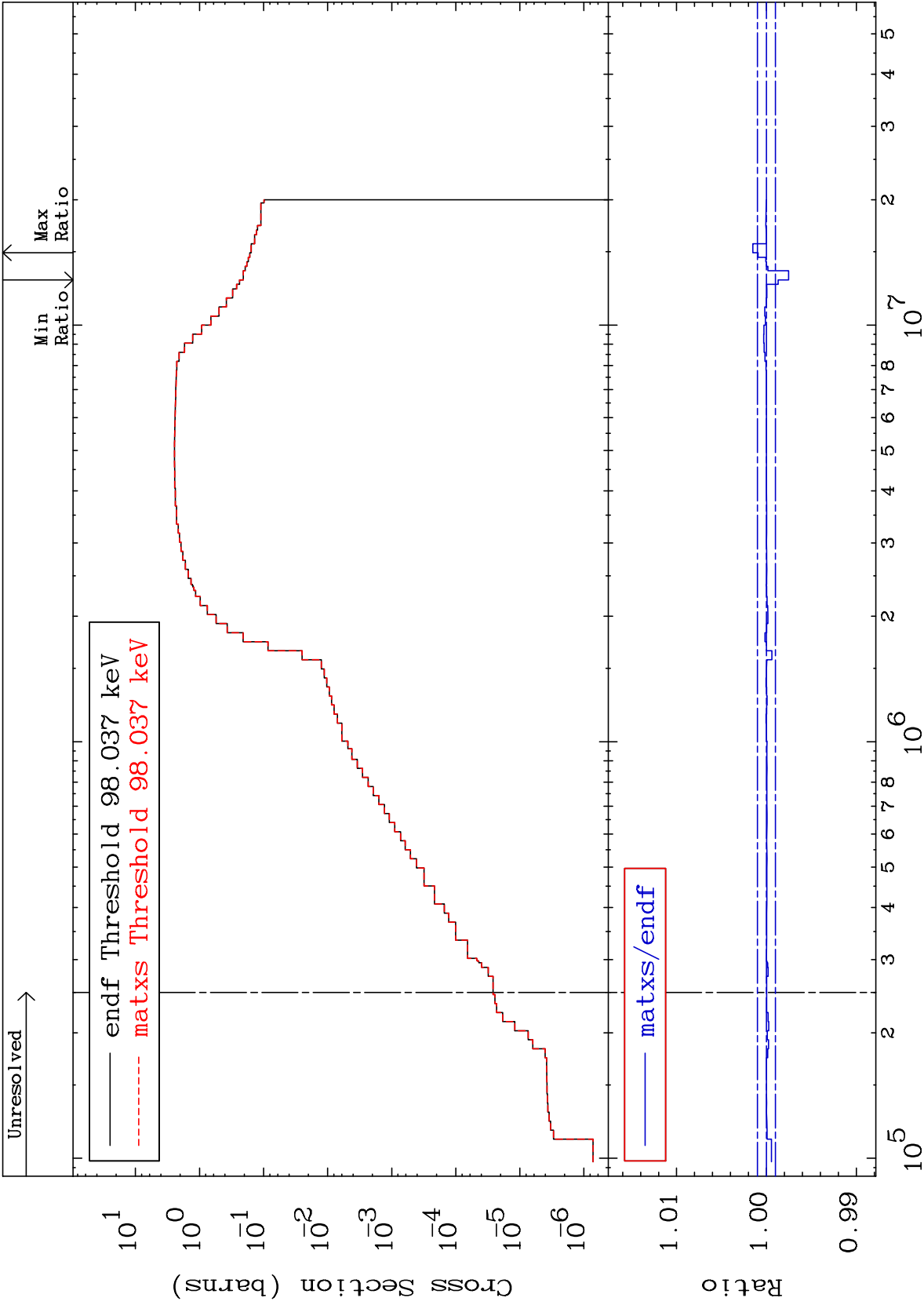
64-Gd-158
-0.194 To 0.121 %



MAT 6443

(n,n') Continuum
Cross Section

64-Gd-158
-0.247 To 0.151 %



64-Gd-158

Incident Energy (eV)

30

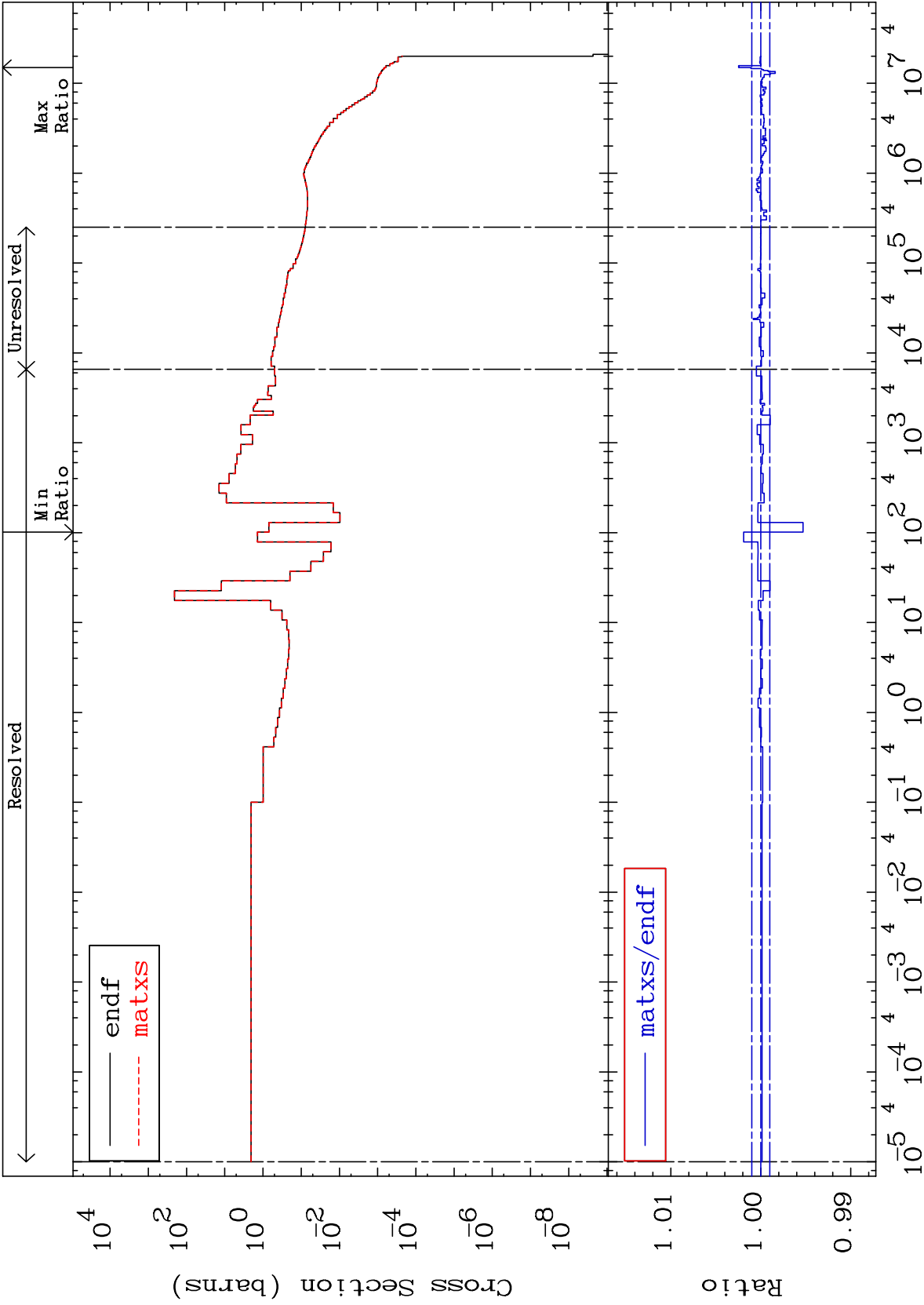
MAT 6443

(n, γ)

64-Gd-158

Cross Section

-0.468 To 0.248 %



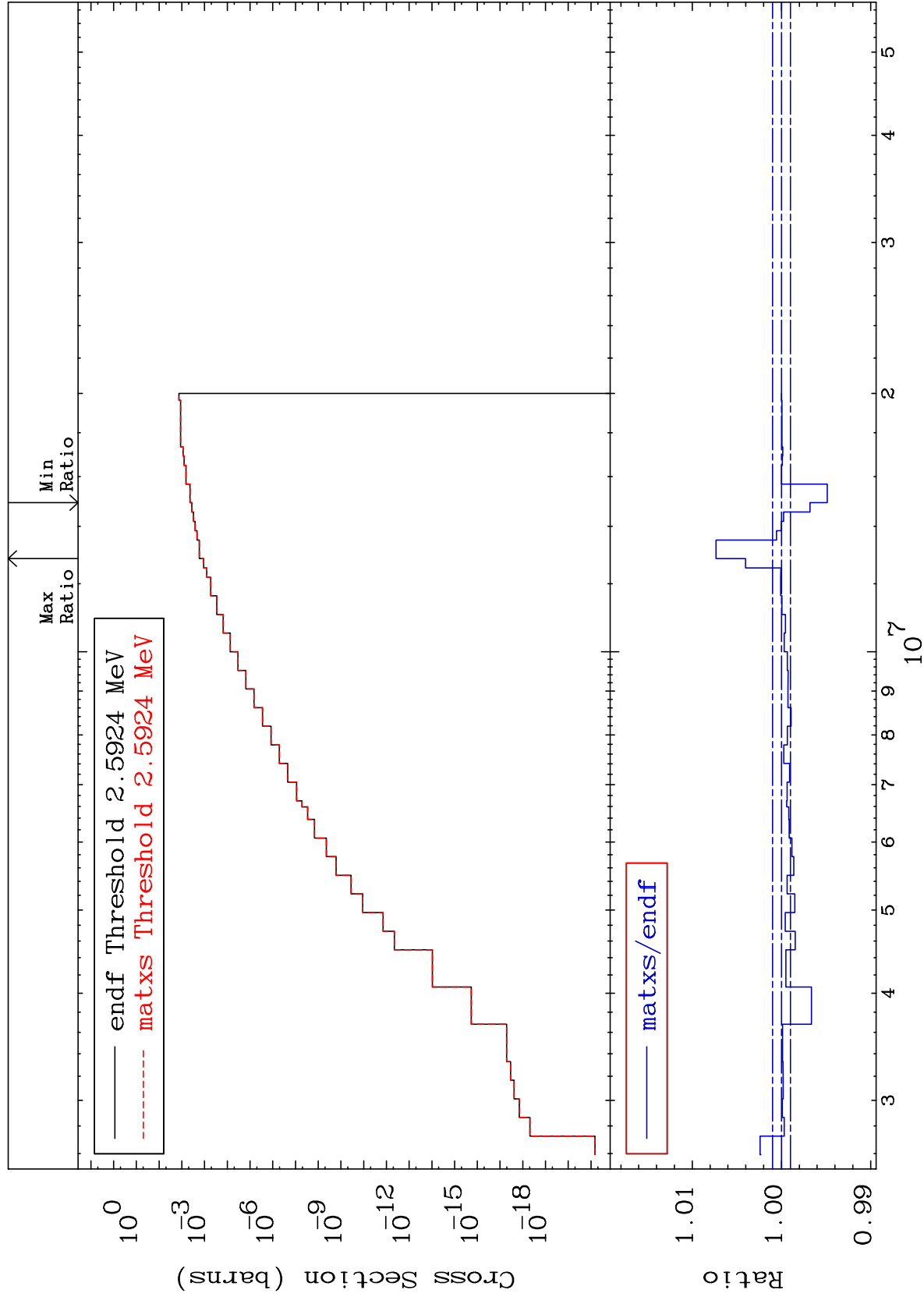
MAT 6443

(n,p)

64-Gd-158

Cross Section

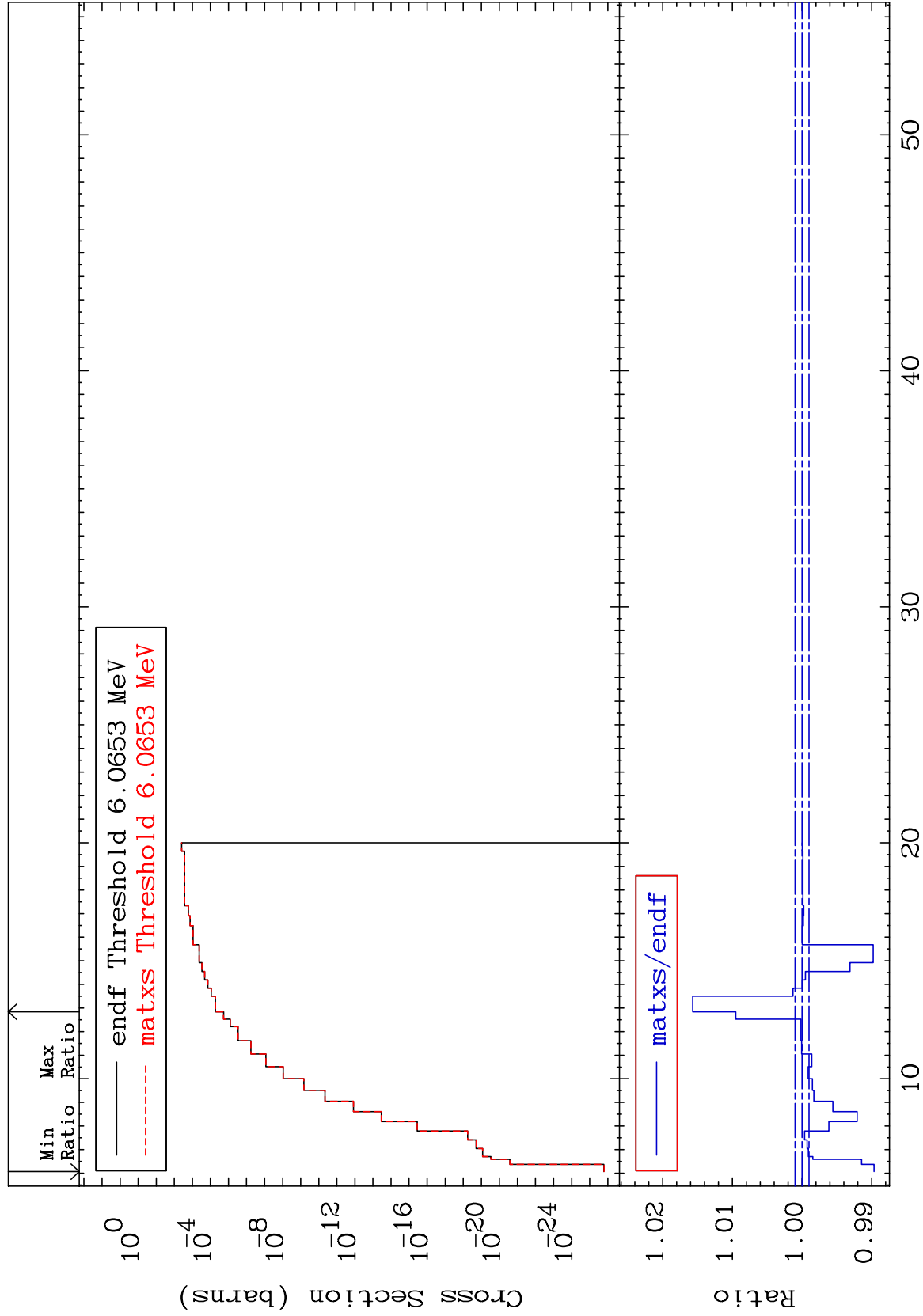
-0.513 To 0.733 %



MAT 6443

(n,d)
Cross Section

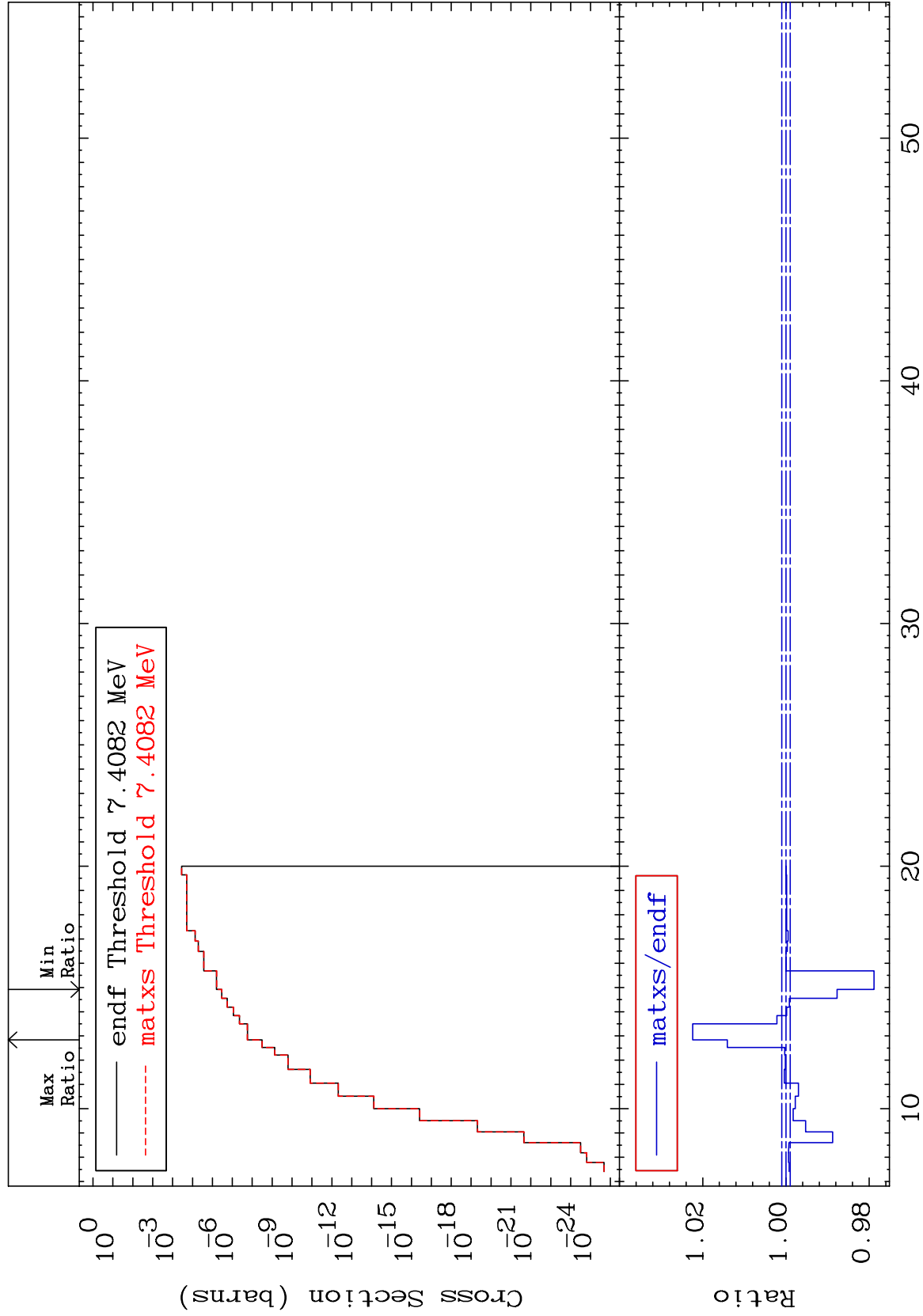
64-Gd-158
-1.034 To 1.570 %



MAT 6443

(n, t)
Cross Section

64-Gd-158
-2.116 To 2.241 %



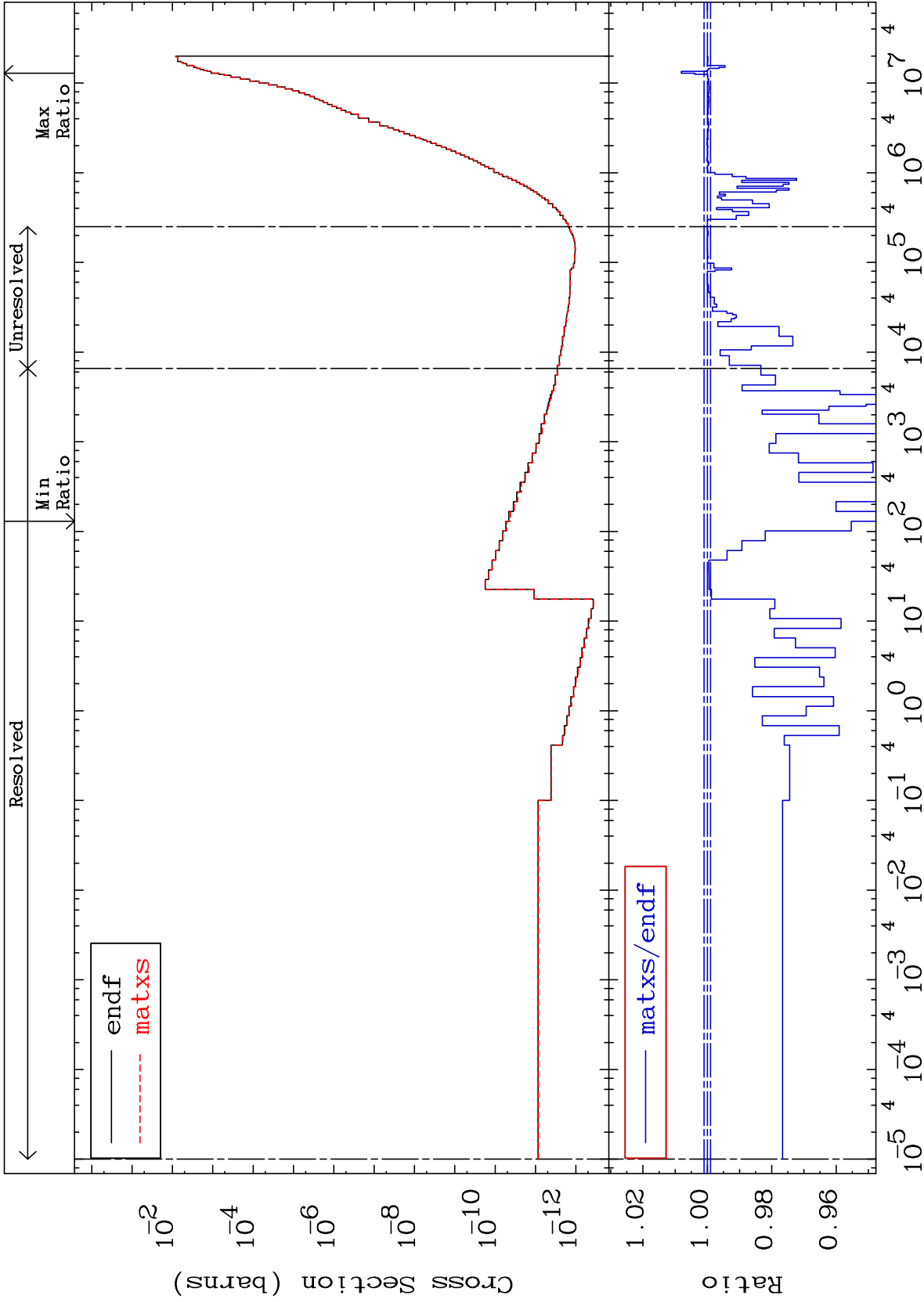
MAT 6443

(n, α)

64-Gd-158

Cross Section

-8.463 To 0.808 %



35

Incident Energy (eV)

64-Gd-158