

Program Complot
(Version 2015-2)

by

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Press Mouse Button to Start

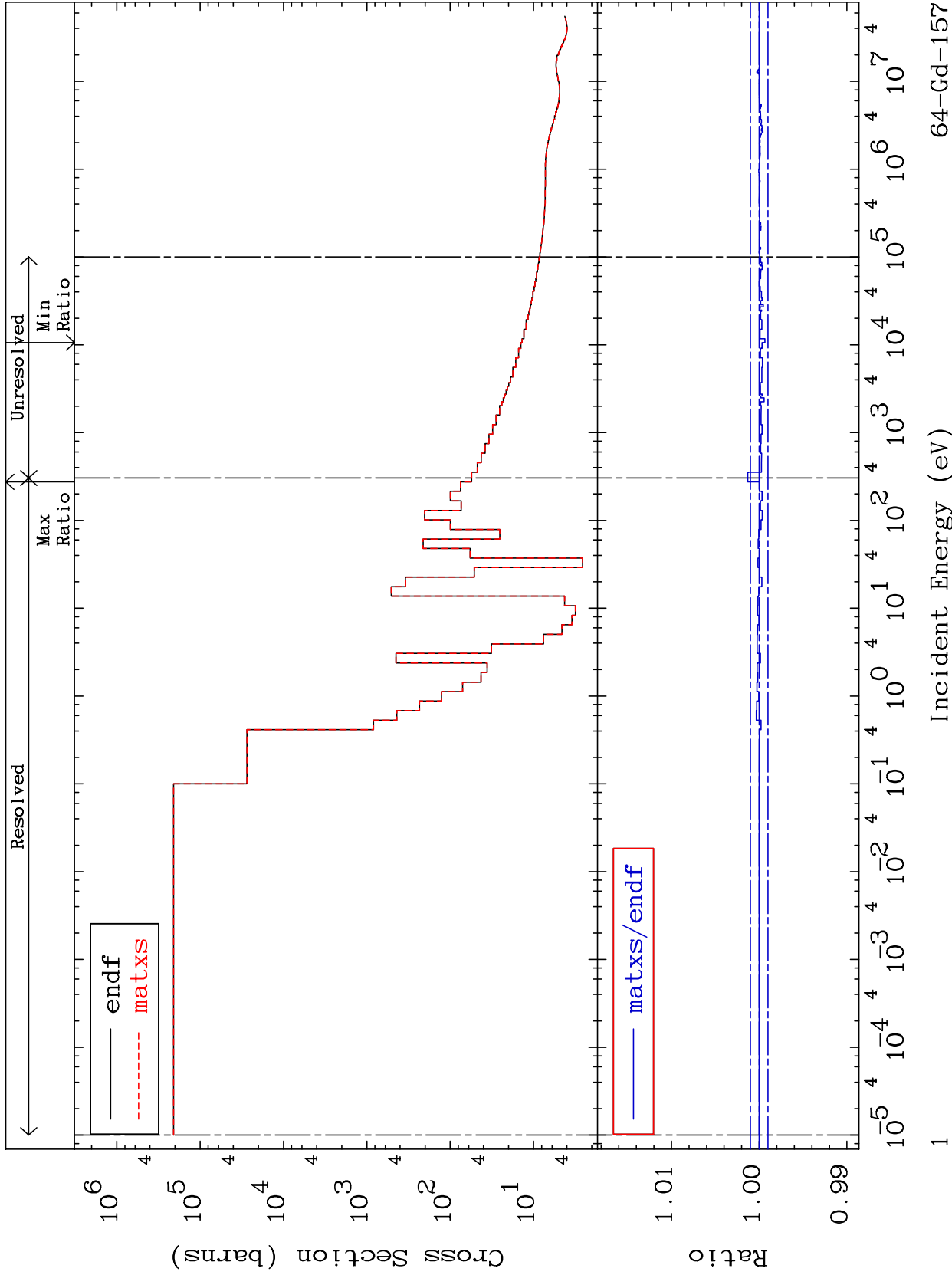
MAT 6440

Total

64-Gd-157

Cross Section

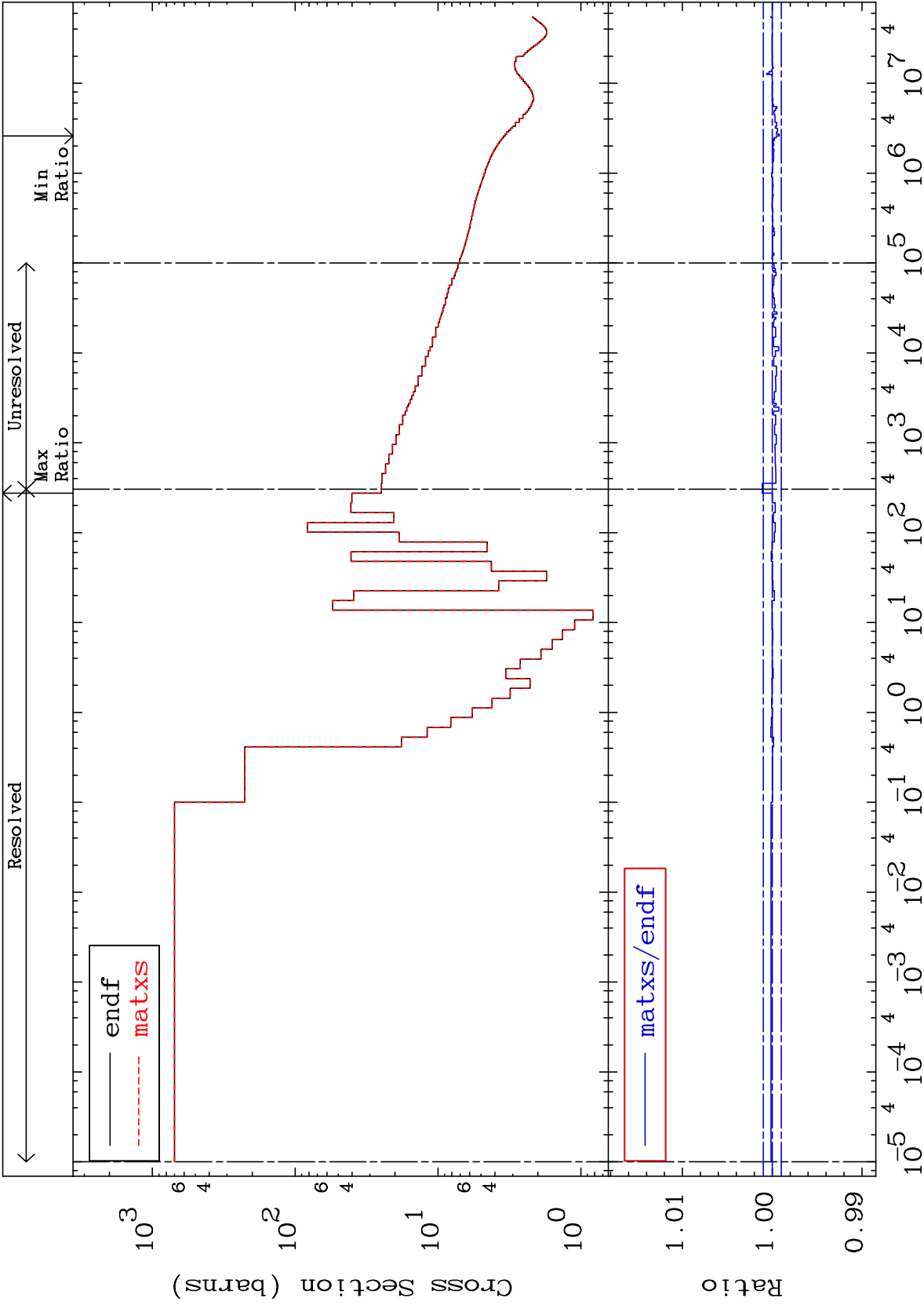
-0.064 To 0.131 %



MAT 6440

Elastic
Cross Section

64-Gd-157
-0.077 To 0.110 %



2

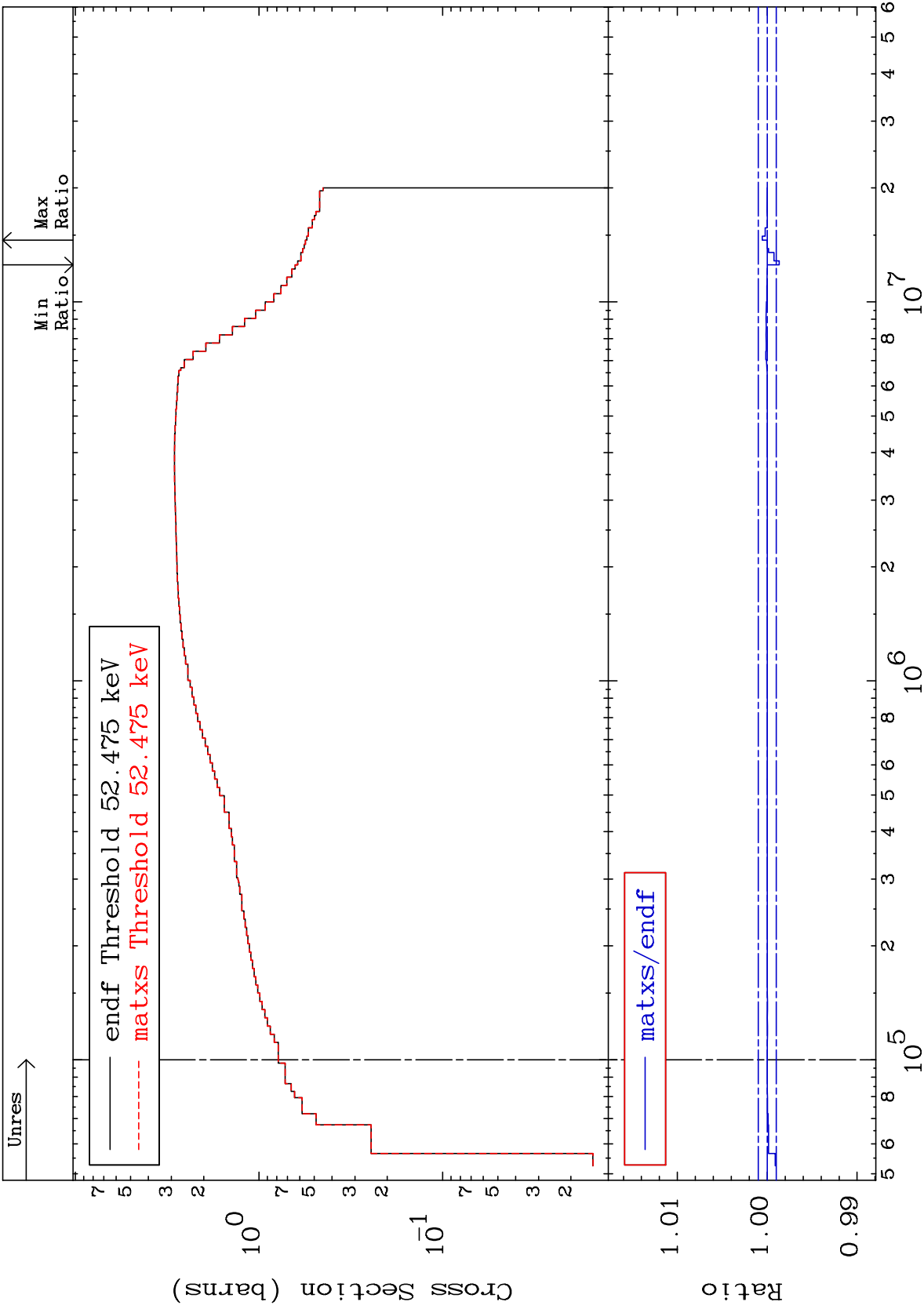
Incident Energy (eV)

64-Gd-157

MAT 6440

Inelastic
Cross Section

64-Gd-157
-0.134 To 0.056 %



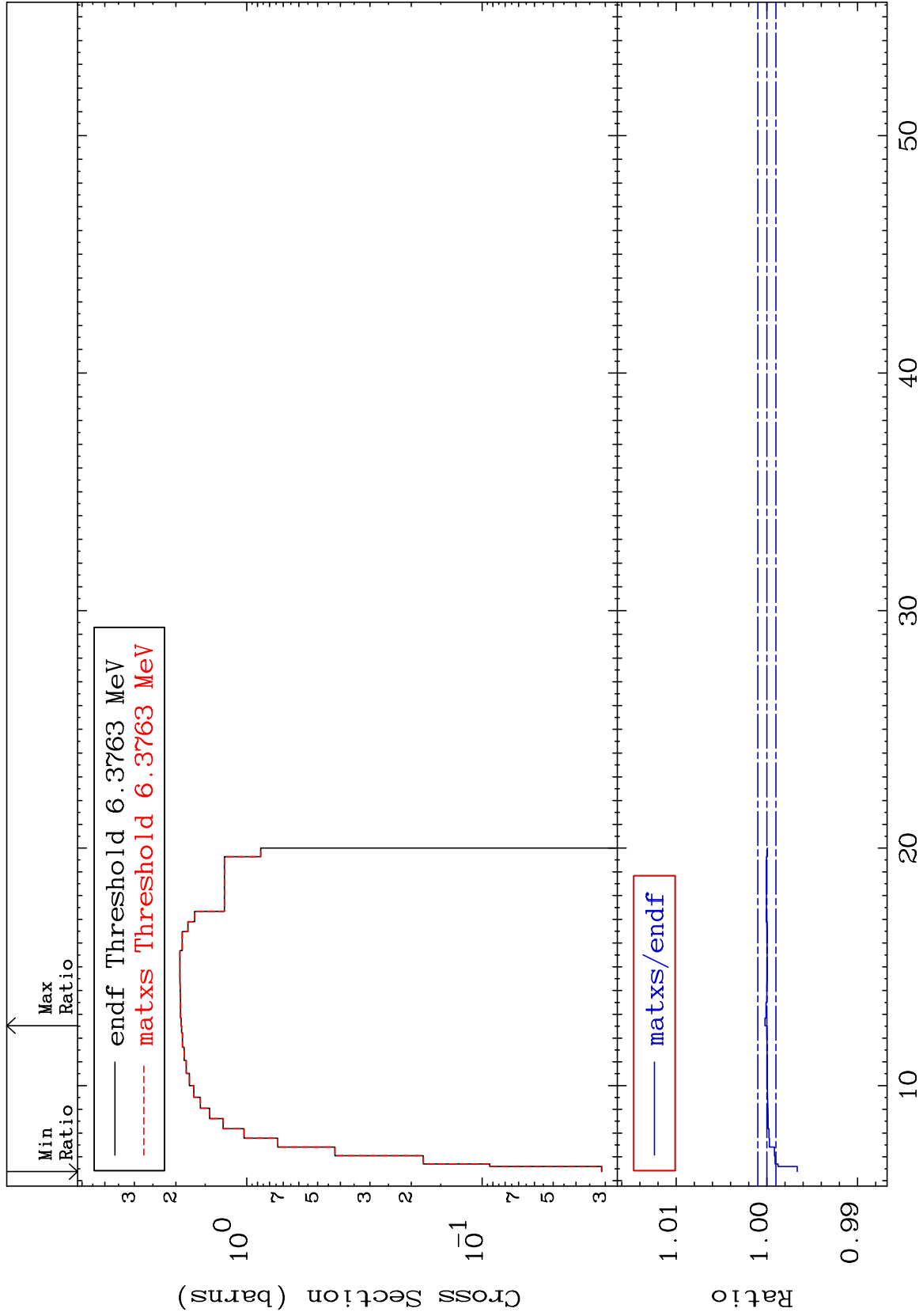
3

64-Gd-157

MAT 6440

(n, 2n)
Cross Section

64-Gd-157
-0.334 To 0.021 %



4

Incident Energy (MeV)

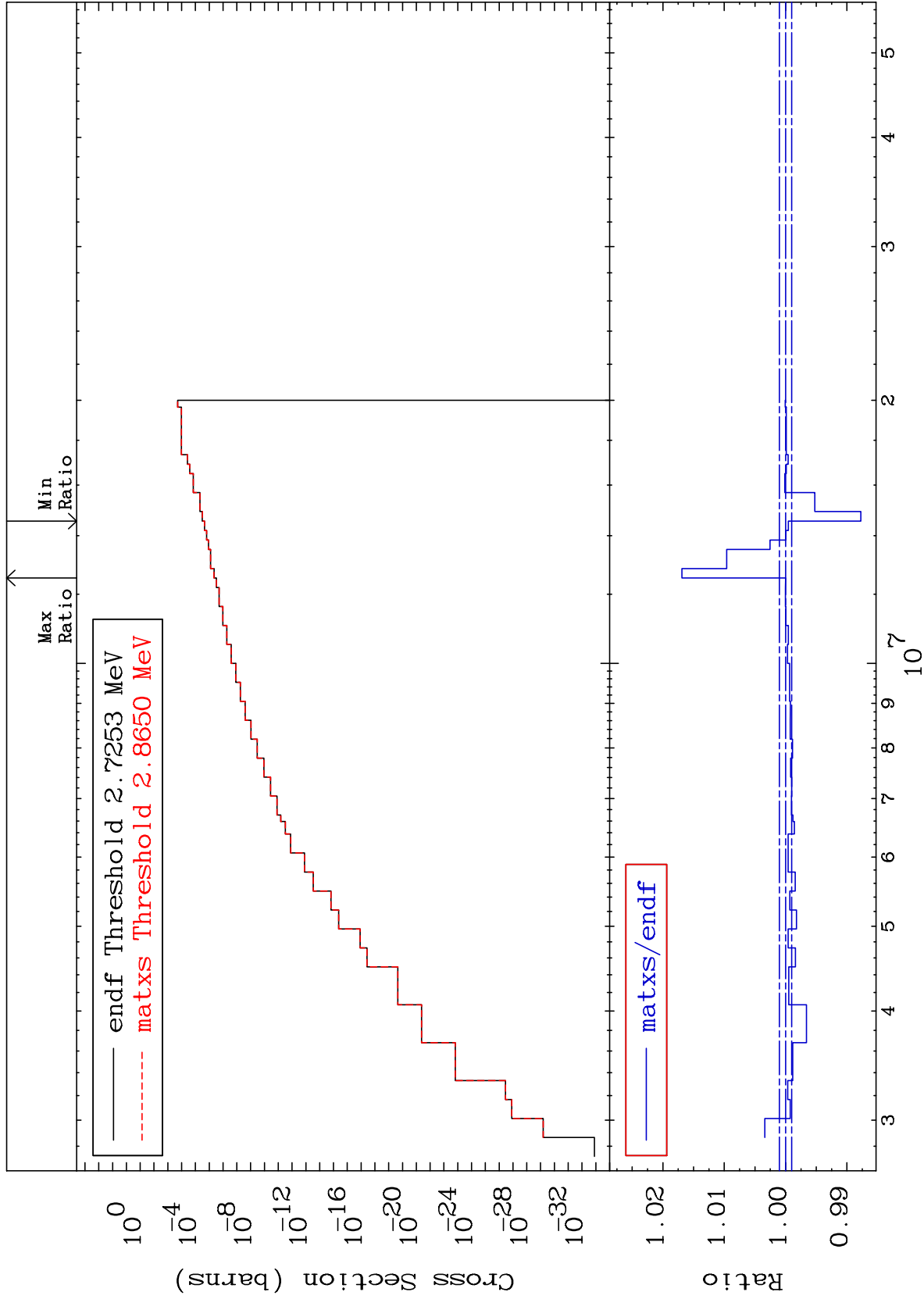
64-Gd-157

MAT 6440

(n, n') α

64-Gd-157
-1.226 To 1.689 %

Cross Section



5

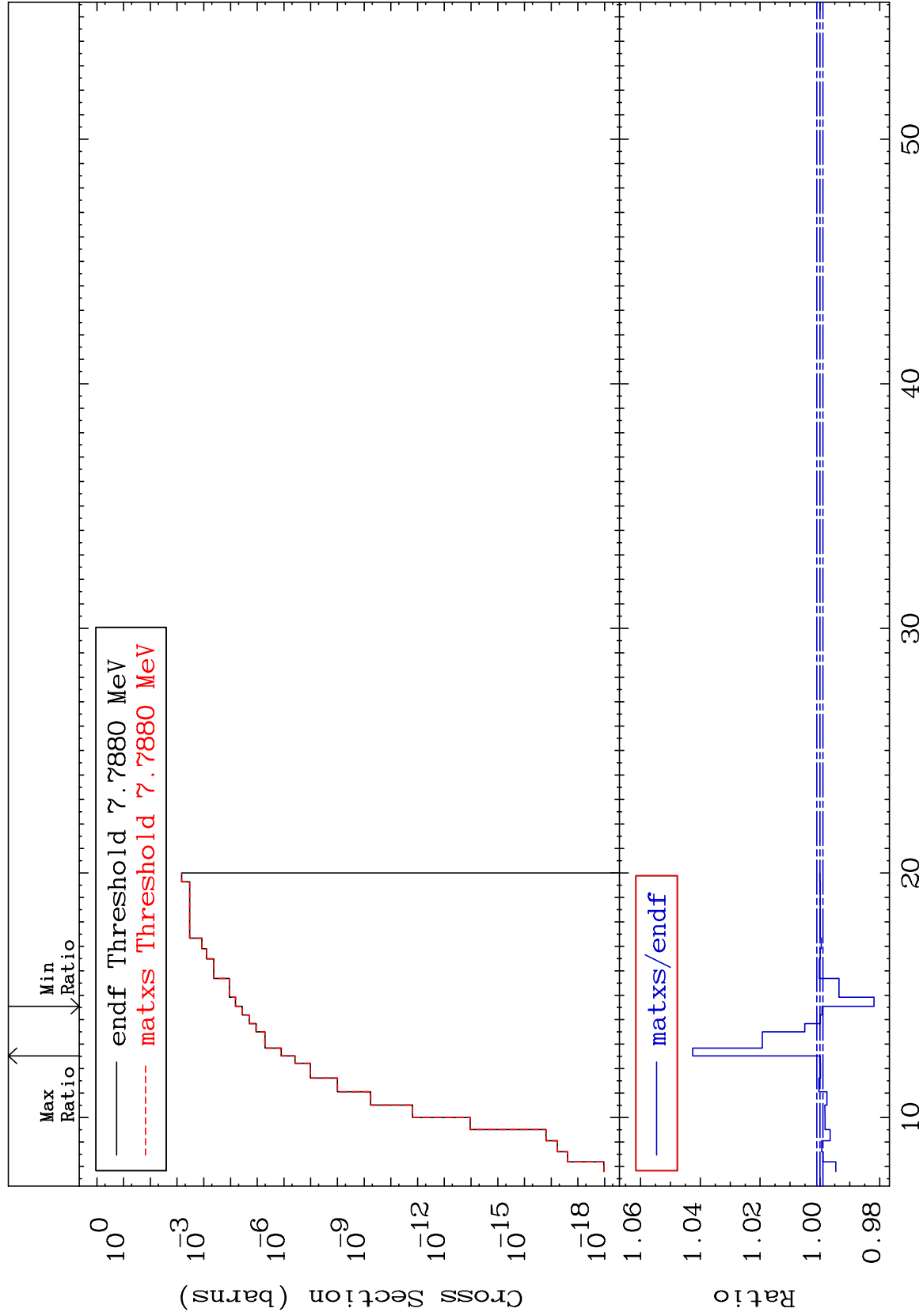
Incident Energy (eV)

64-Gd-157

MAT 6440

(n, n') p
Cross Section

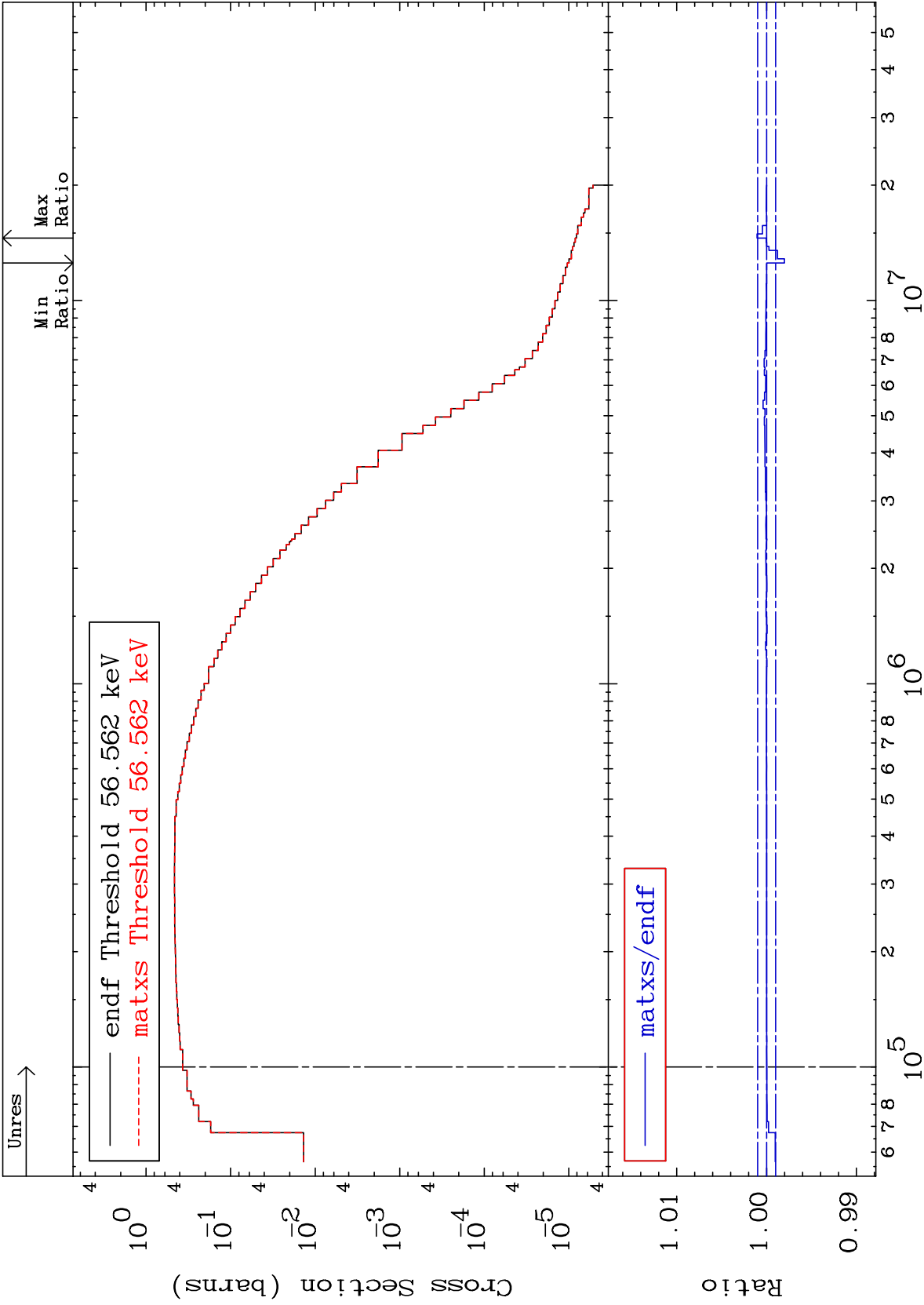
64-Gd-157
-1.811 To 4.253 %



MAT 6440

63.92 keV (n,n') Level
Cross Section

64-Gd-157
-0.199 To 0.107 %



7

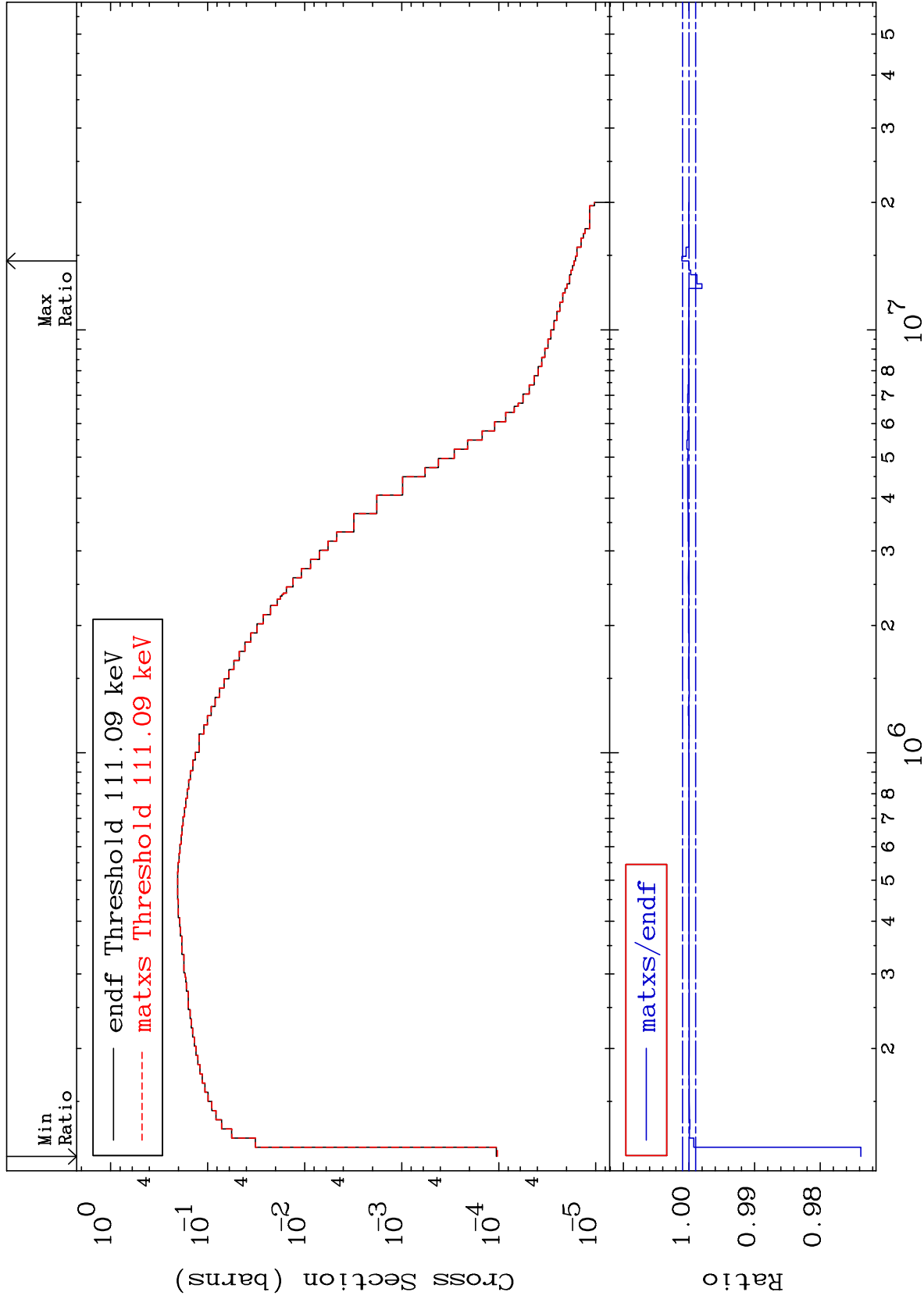
Incident Energy (eV)

64-Gd-157

MAT 6440

115.7 keV (n,n') Level
Cross Section

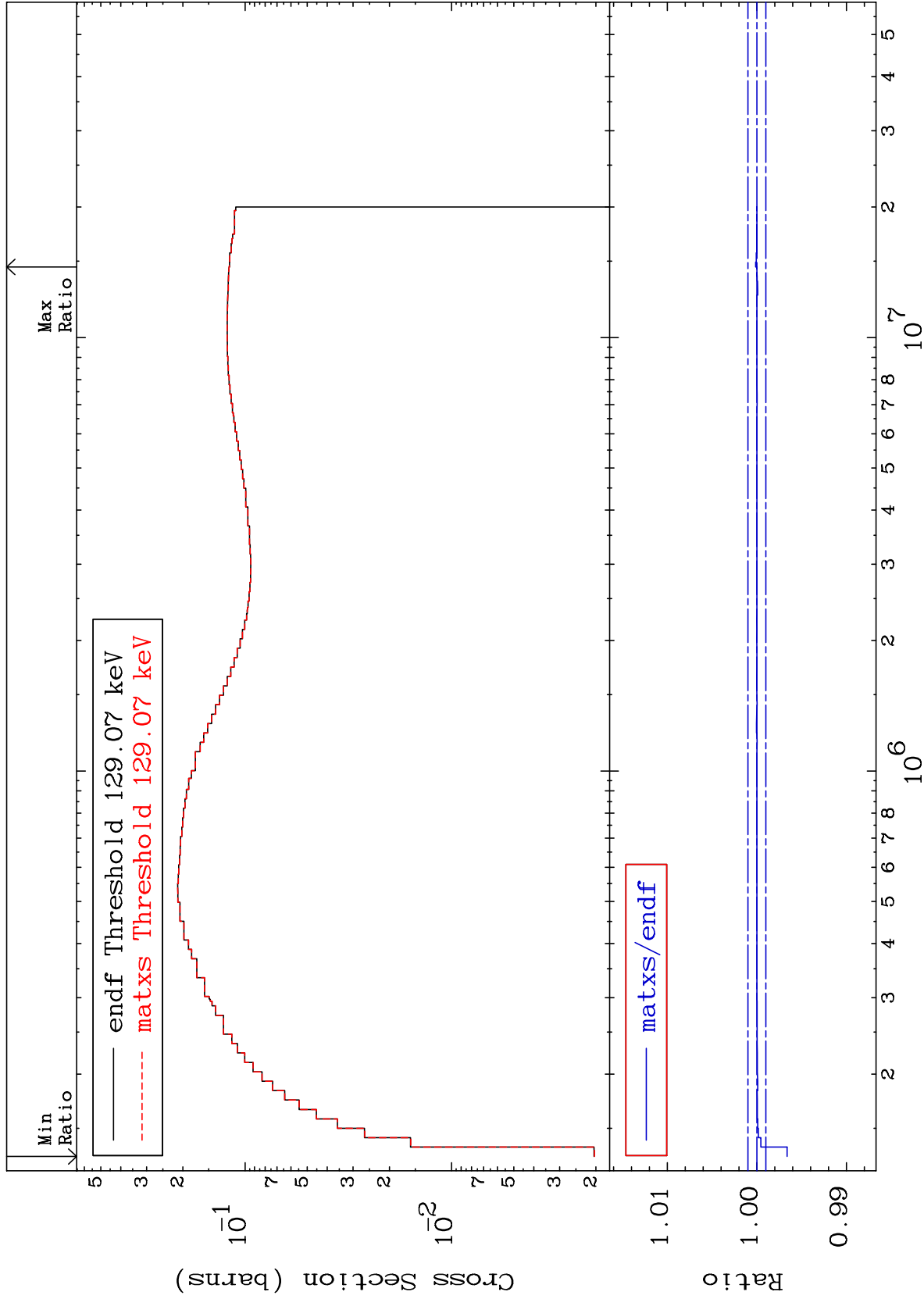
64-Gd-157
-2.619 To 0.108 %



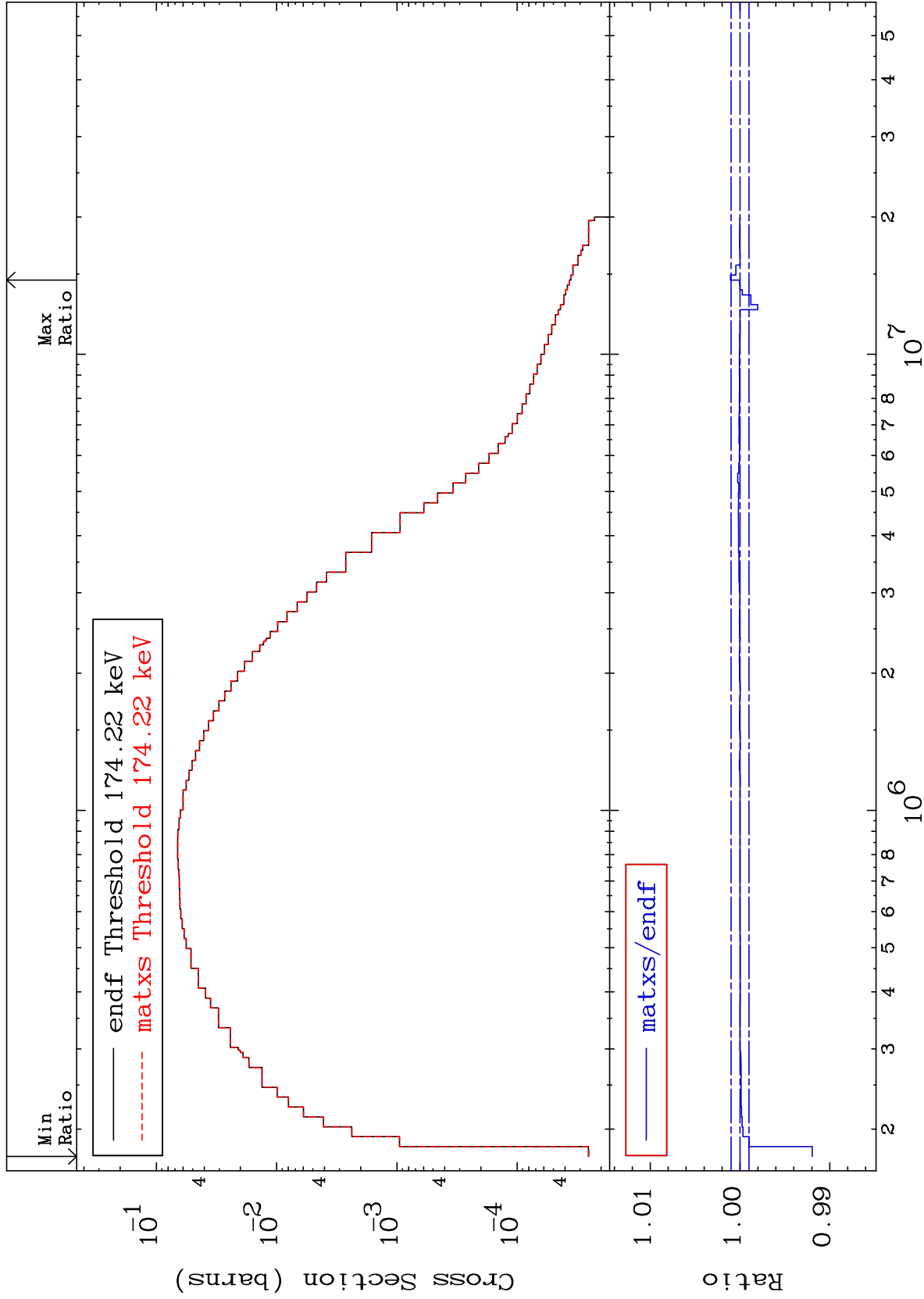
MAT 6440

131.5 keV (n,n') Level
Cross Section

64-Gd-157
-0.337 To 0.013 %



MAT 6440 180.2 keV (n,n') Level Cross Section 64-Gd-157 -0.806 To 0.107 %



64-Gd-157

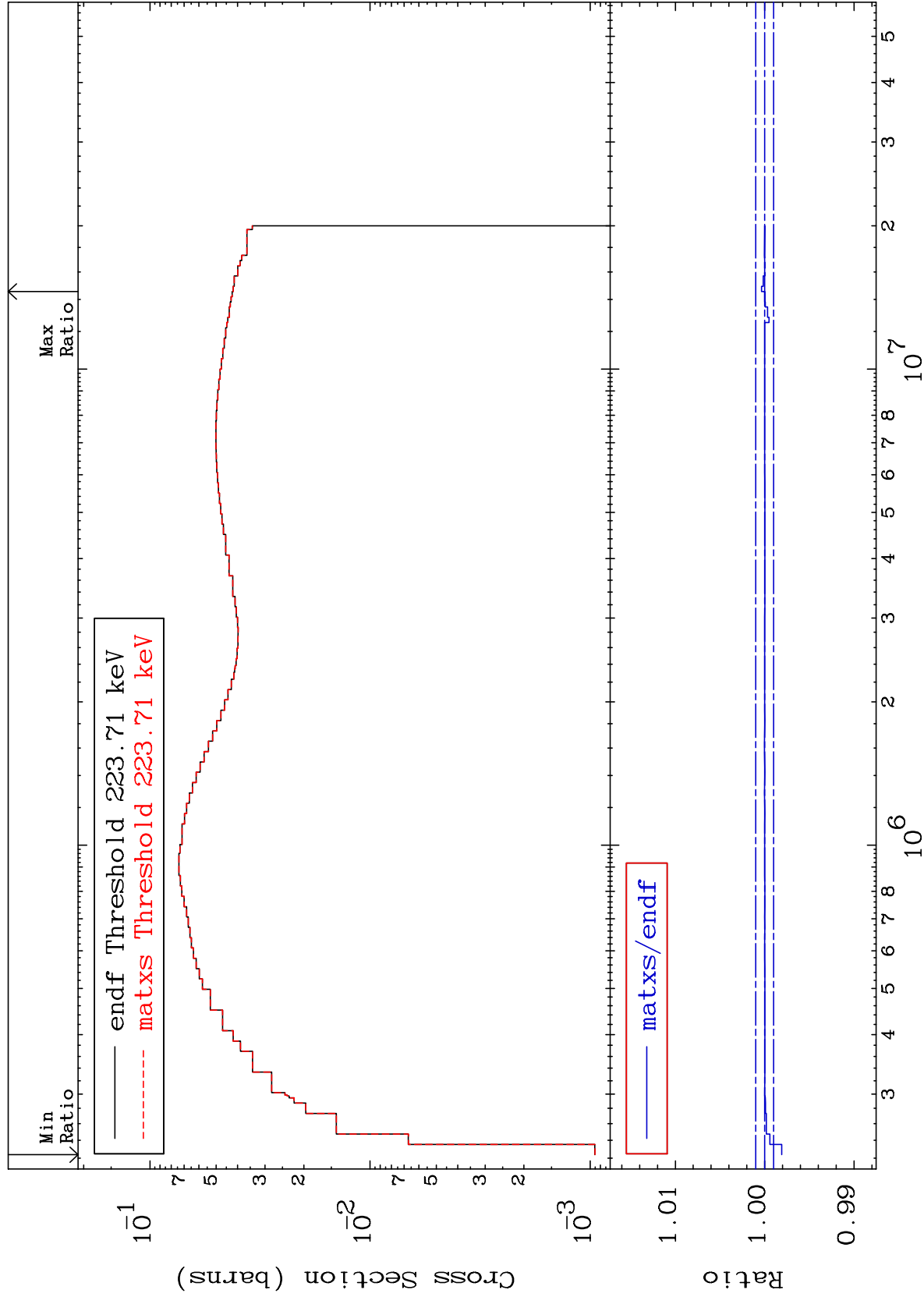
Incident Energy (eV)

10

MAT 6440

227.3 keV (n,n') Level
Cross Section

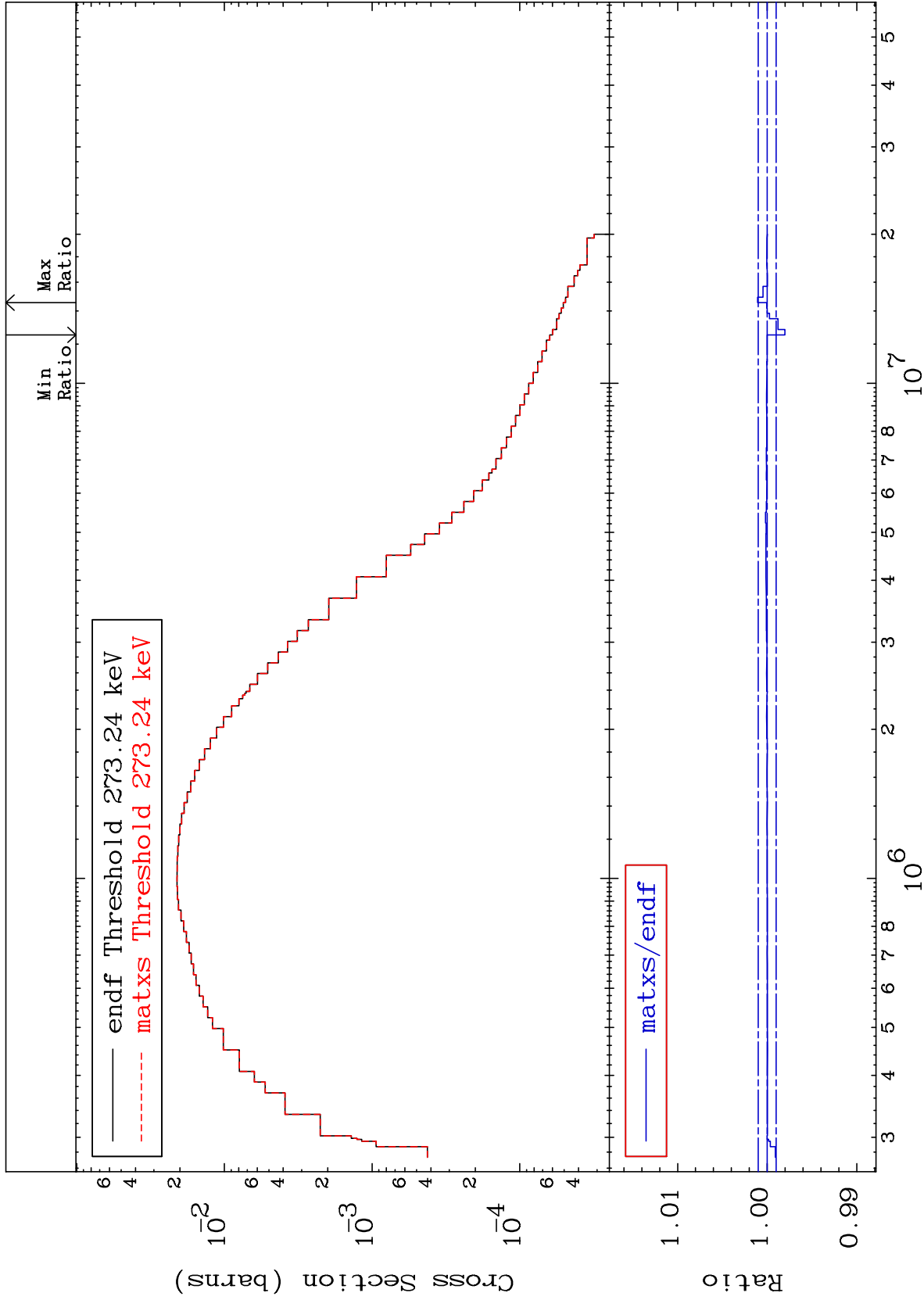
64-Gd-157
-0.190 To 0.035 %



MAT 6440

272.3 keV (n,n') Level
Cross Section

64-Gd-157
-0.197 To 0.106 %



12

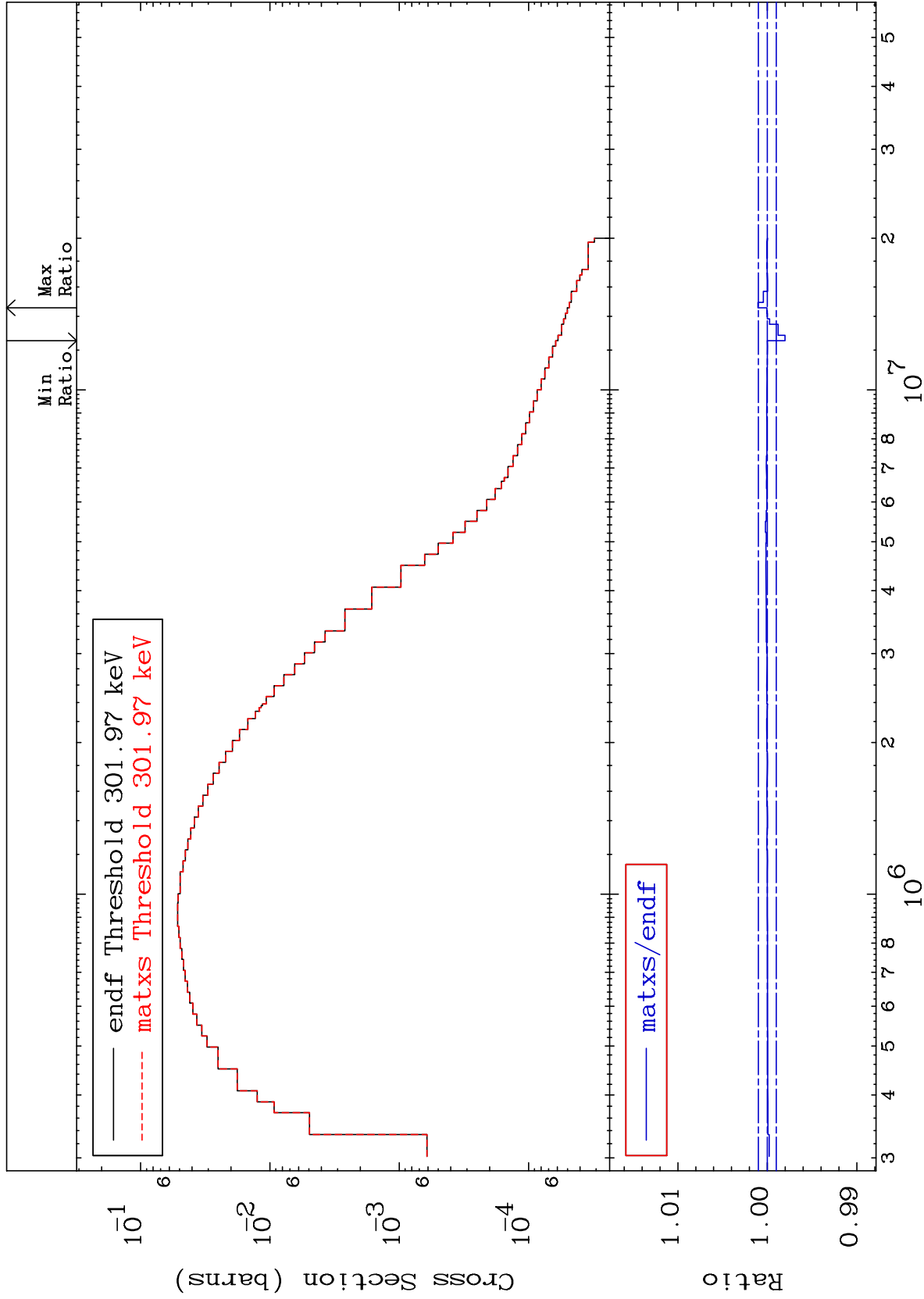
Incident Energy (eV)

64-Gd-157

MAT 6440

315.0 keV (n,n') Level
Cross Section

64-Gd-157
-0.196 To 0.106 %



13

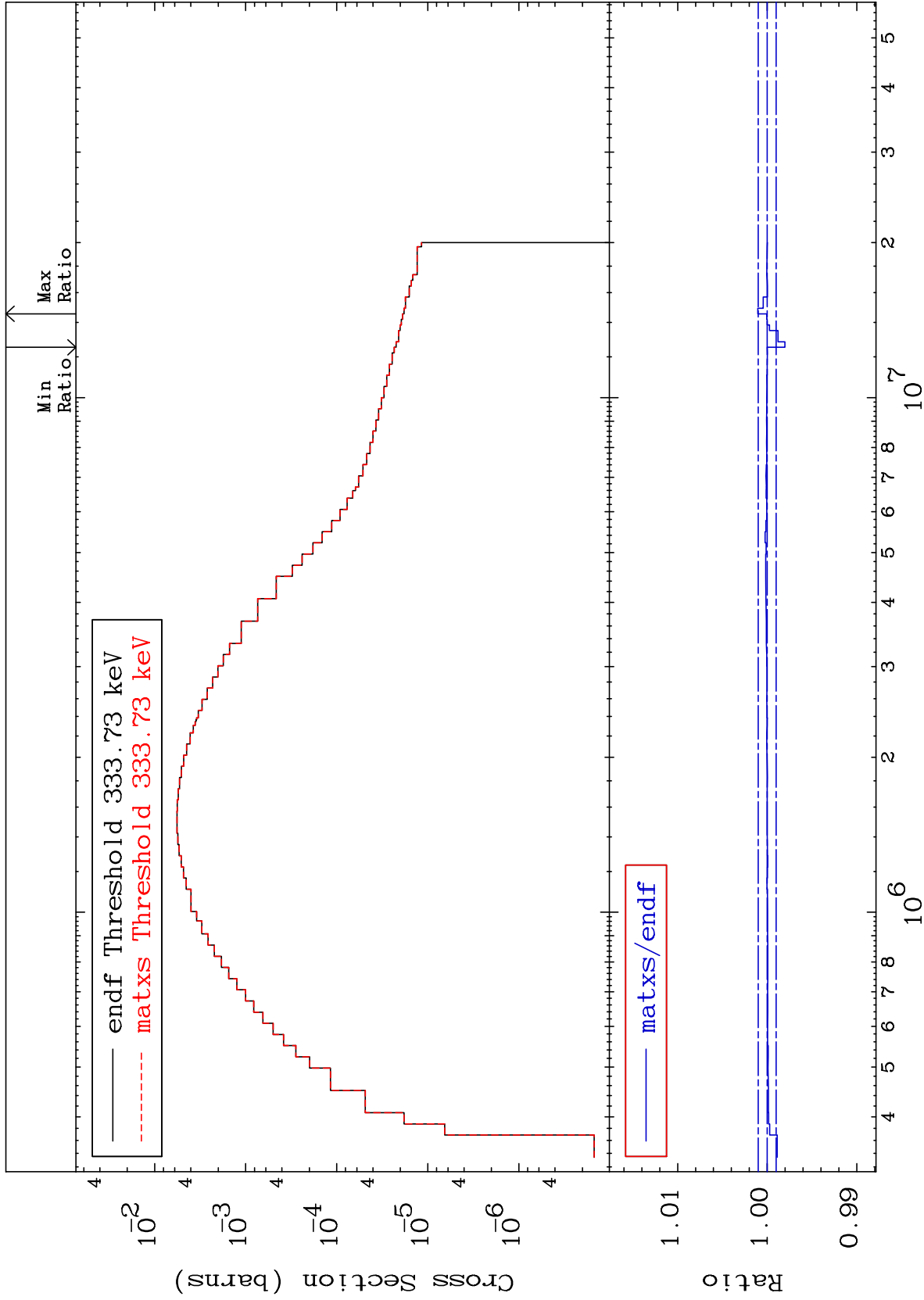
Incident Energy (eV)

64-Gd-157

MAT 6440

361.1 keV (n,n') Level
Cross Section

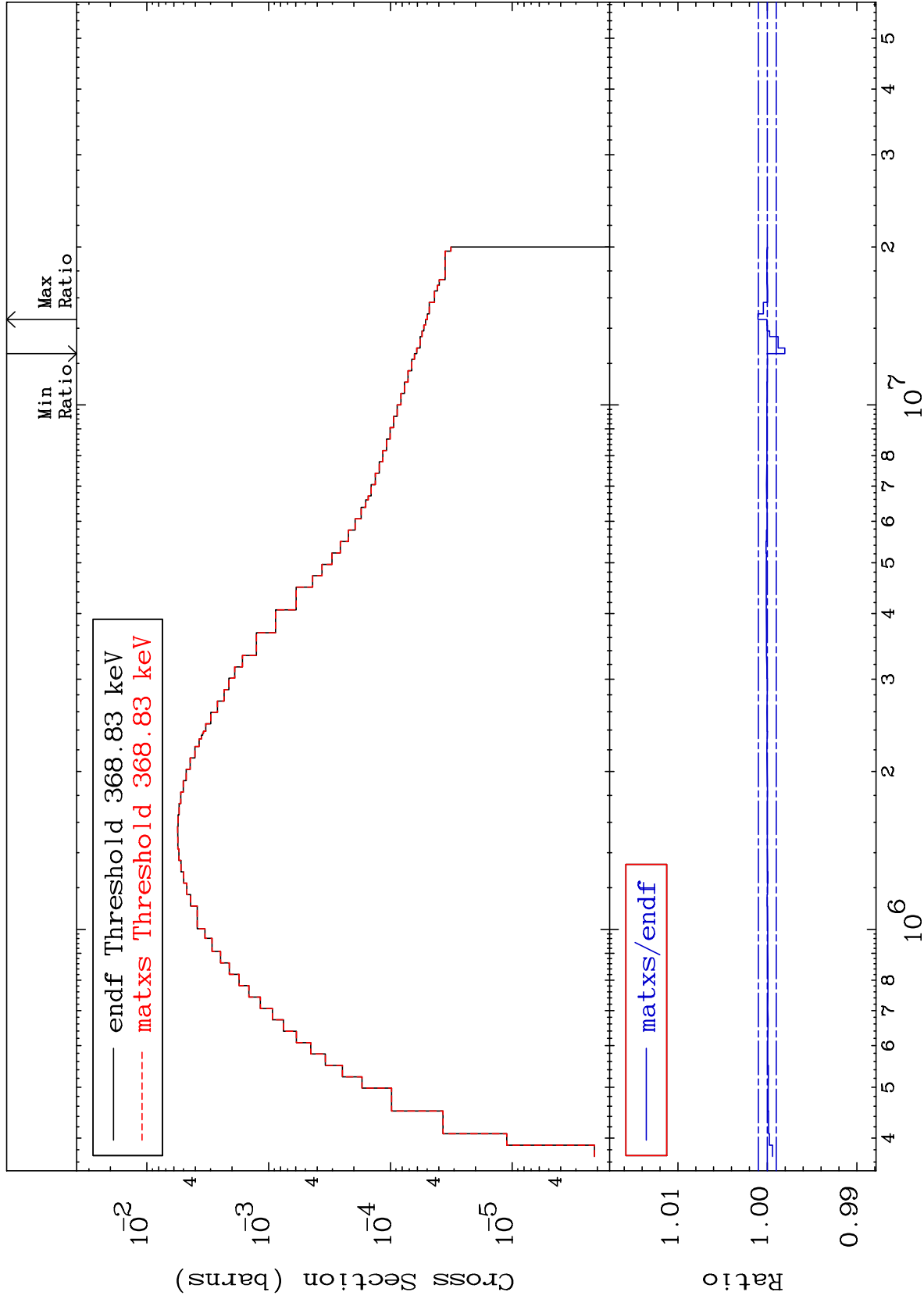
64-Gd-157
-0.196 To 0.106 %



MAT 6440

372.0 keV (n,n') Level
Cross Section

64-Gd-157
-0.196 To 0.106 %



15

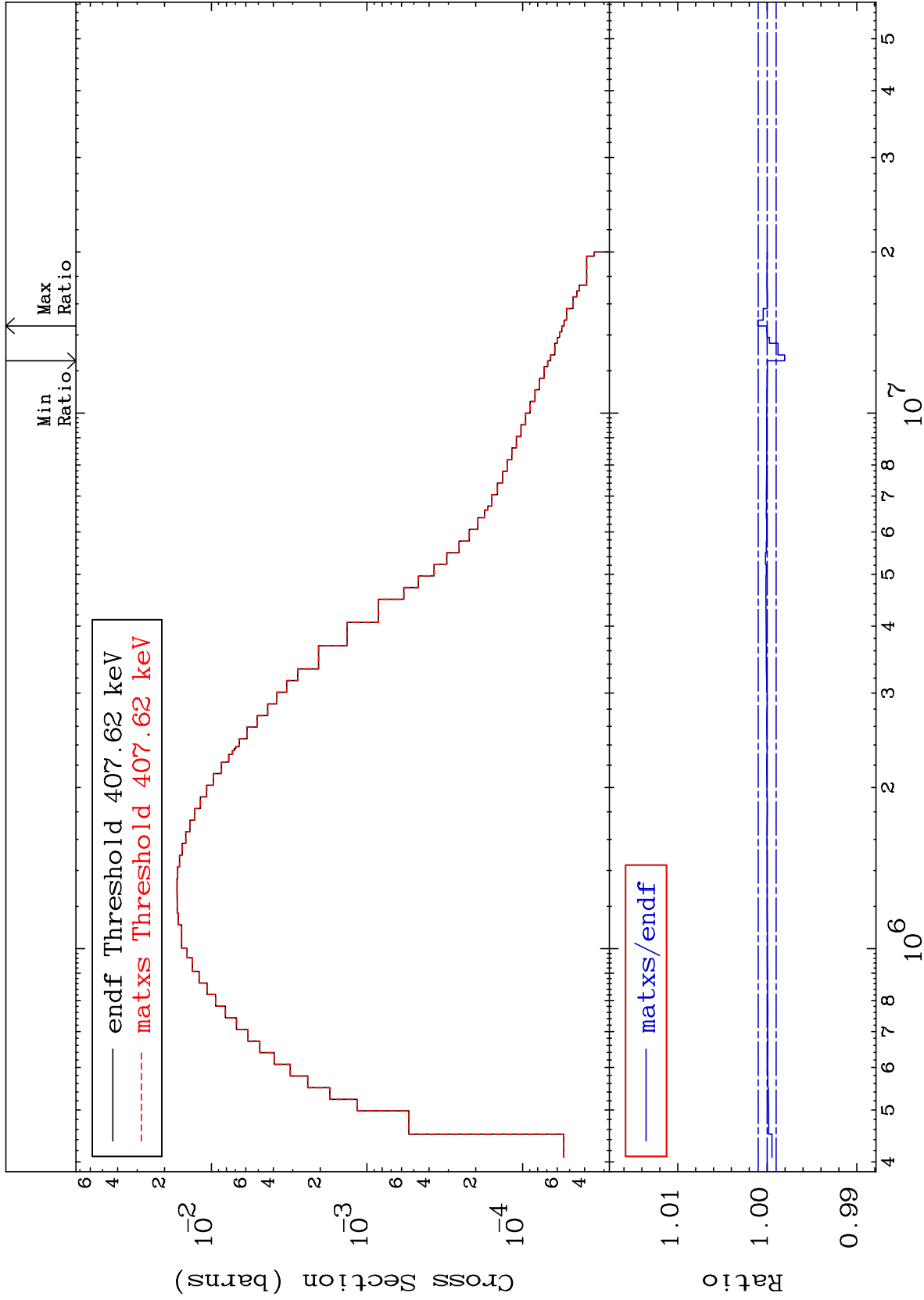
Incident Energy (eV)

64-Gd-157

MAT 6440

426.6 keV (n,n') Level
Cross Section

64-Gd-157
-0.196 To 0.106 %



16

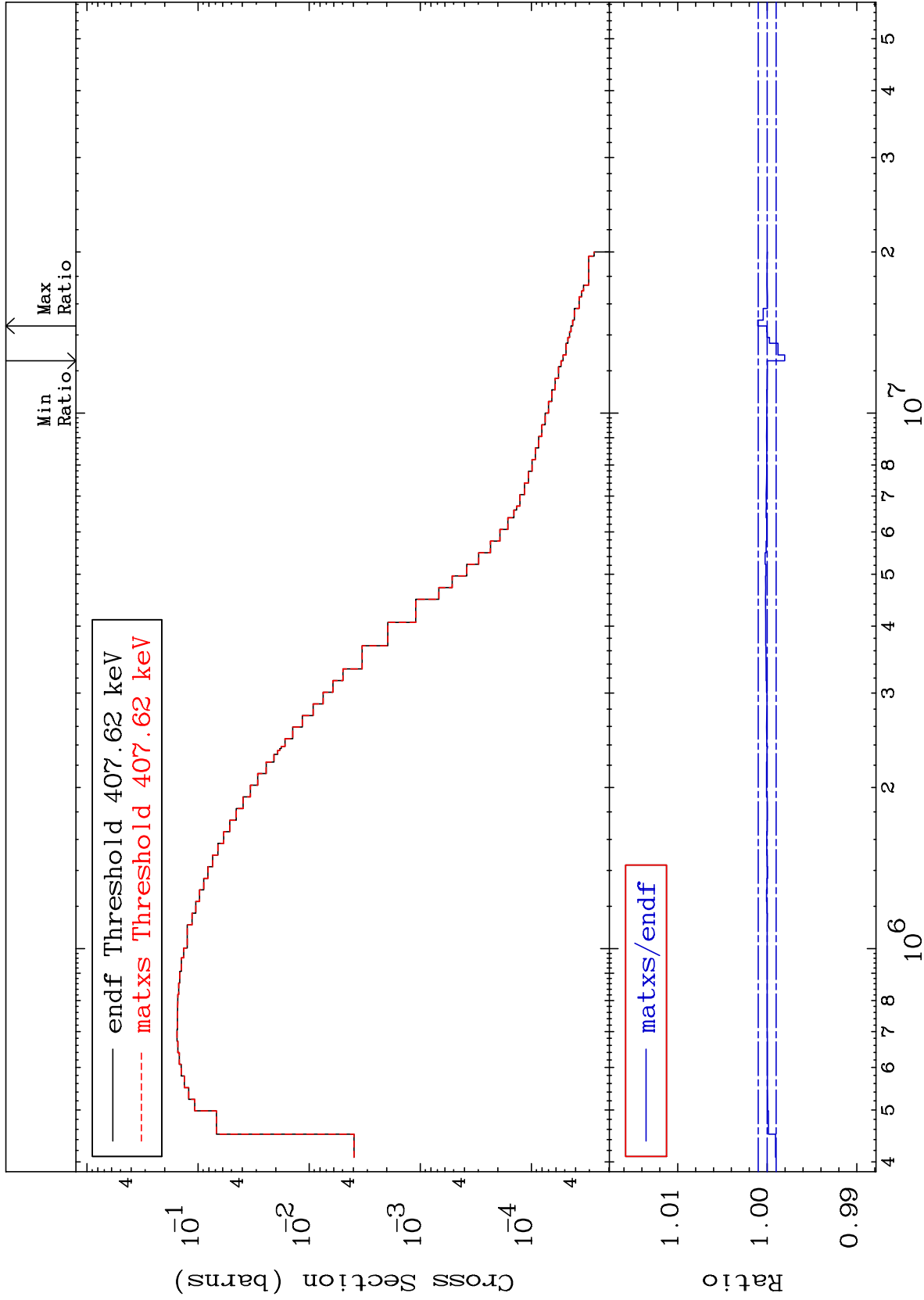
Incident Energy (eV)

64-Gd-157

MAT 6440

434.4 keV (n,n') Level
Cross Section

64-Gd-157
-0.196 To 0.106 %



17

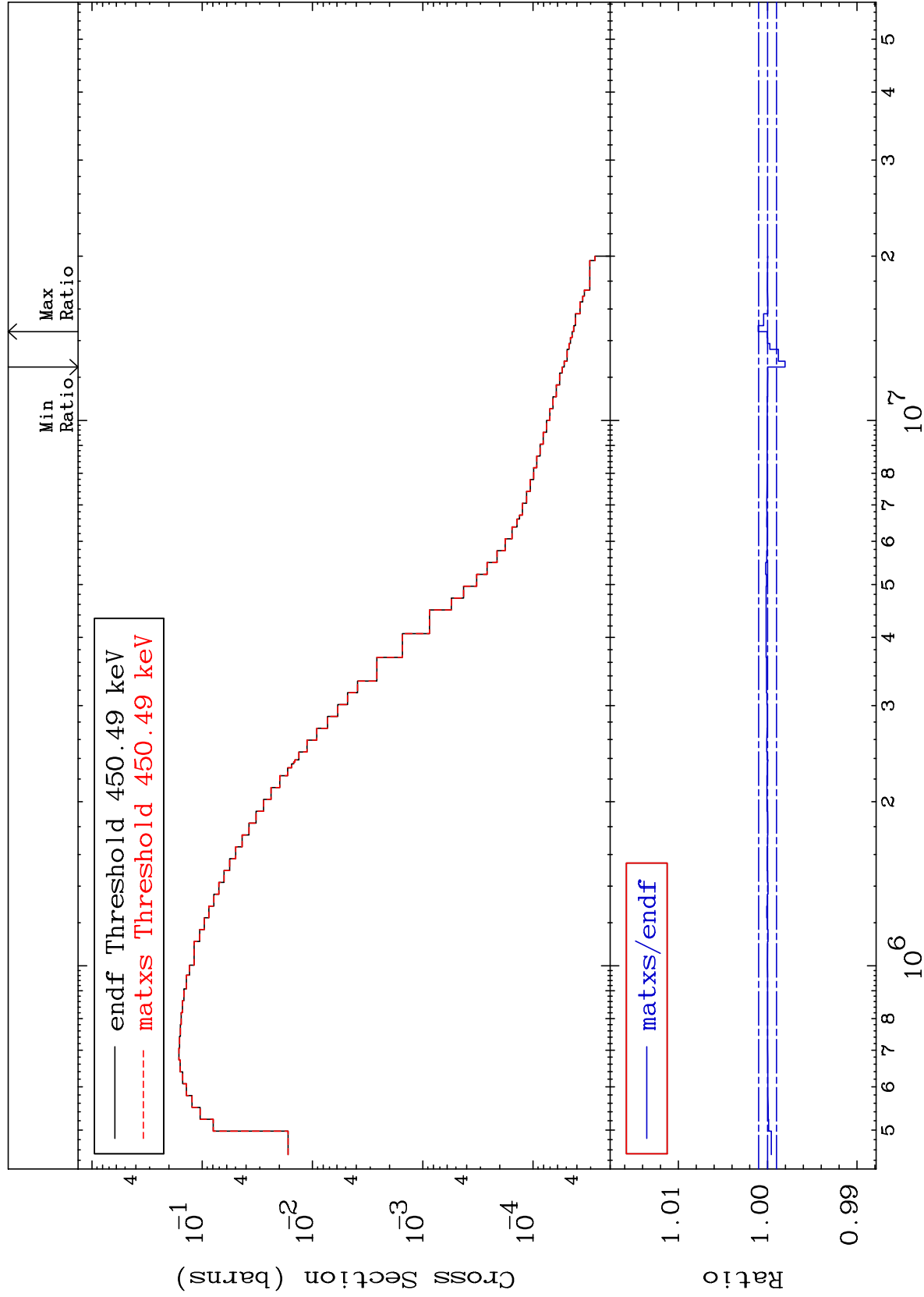
Incident Energy (eV)

64-Gd-157

MAT 6440

474.6 keV (n,n') Level
Cross Section

64-Gd-157
-0.195 To 0.106 %



18

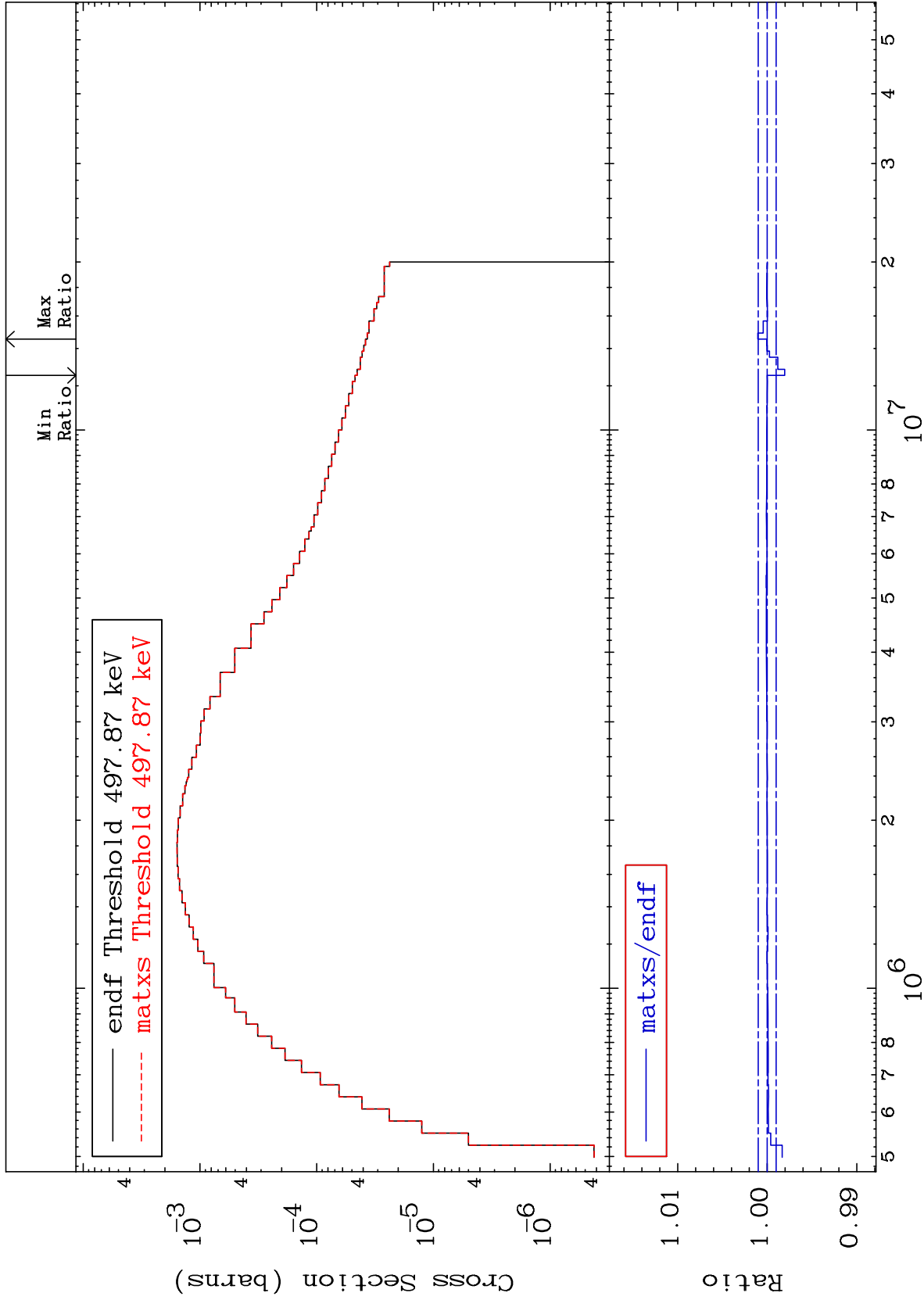
Incident Energy (eV)

64-Gd-157

MAT 6440

509.0 keV (n,n') Level
Cross Section

64-Gd-157
-0.195 To 0.105 %



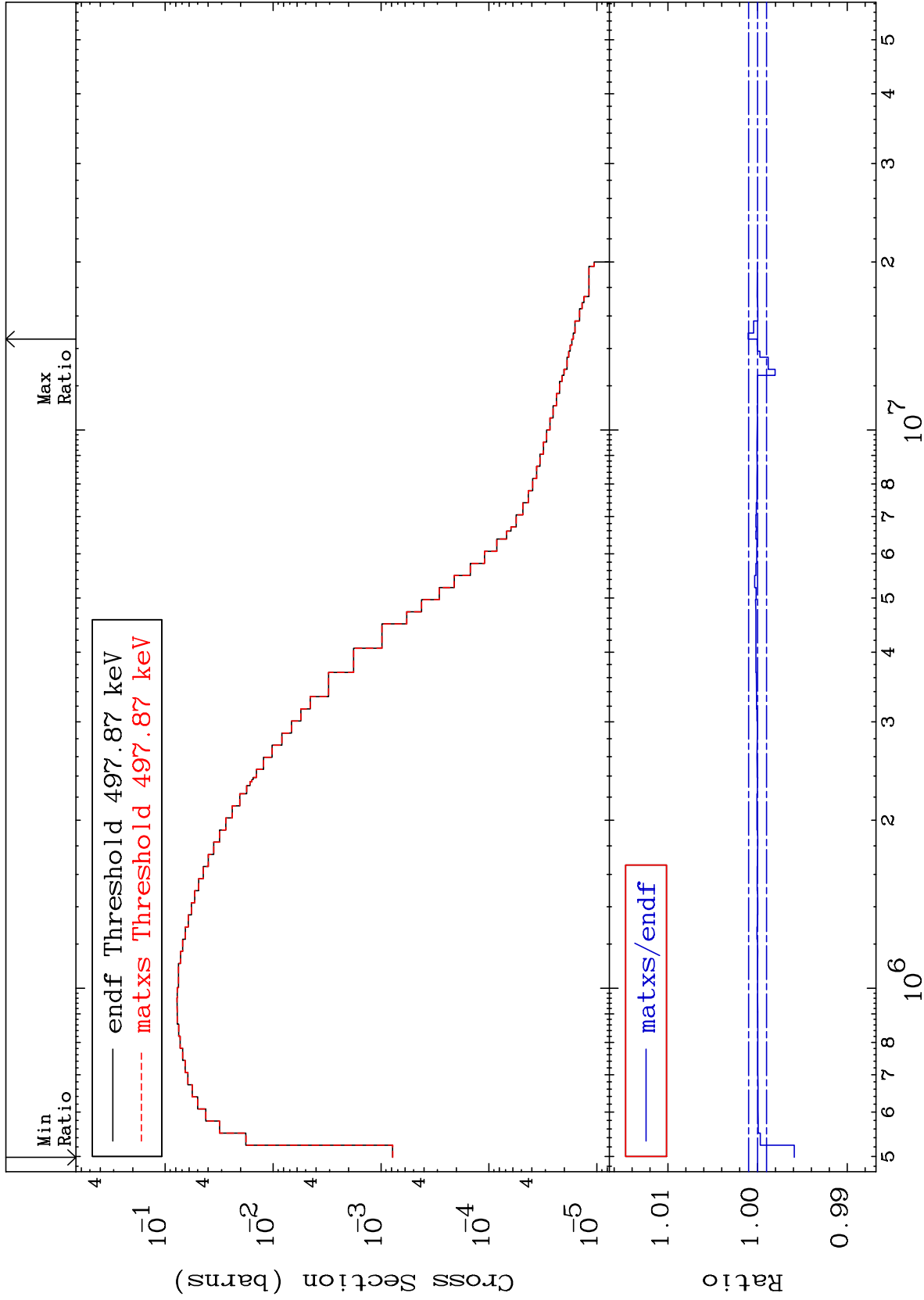
19

64-Gd-157

MAT 6440

514.7 keV (n,n') Level
Cross Section

64-Gd-157
-0.410 To 0.105 %



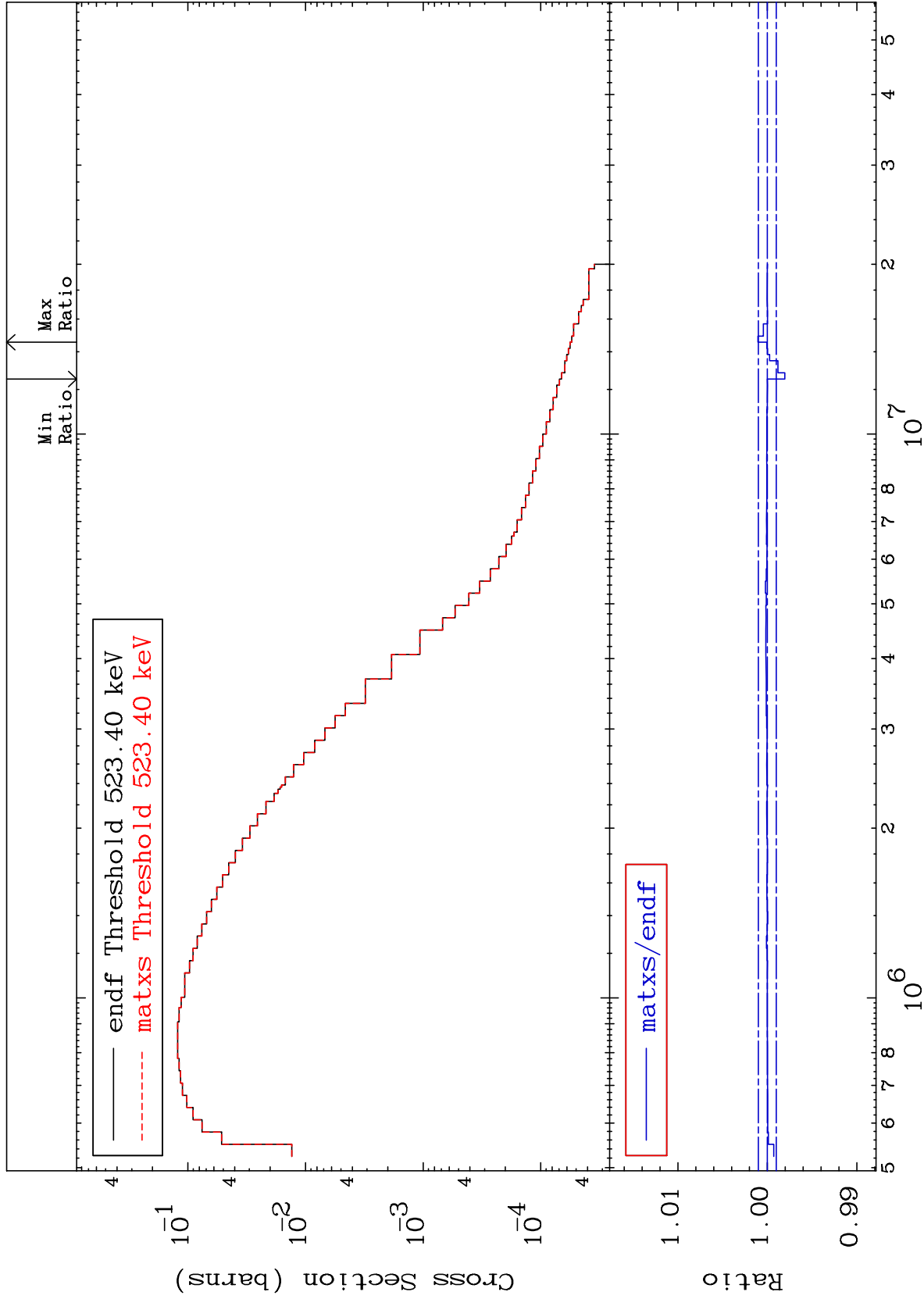
20

64-Gd-157

MAT 6440

524.8 keV (n,n') Level
Cross Section

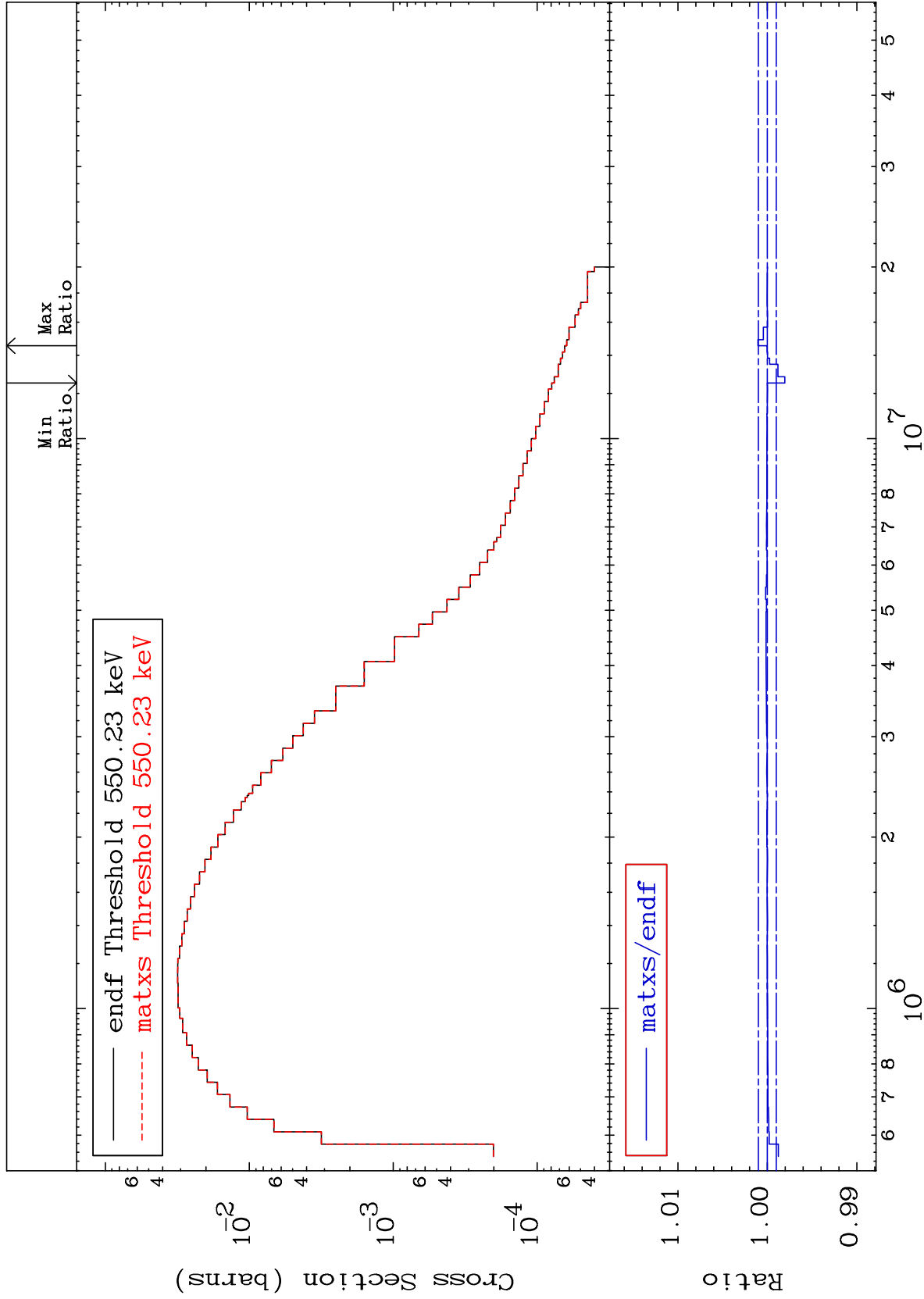
64-Gd-157
-0.195 To 0.105 %



MAT 6440

566.0 keV (n,n') Level
Cross Section

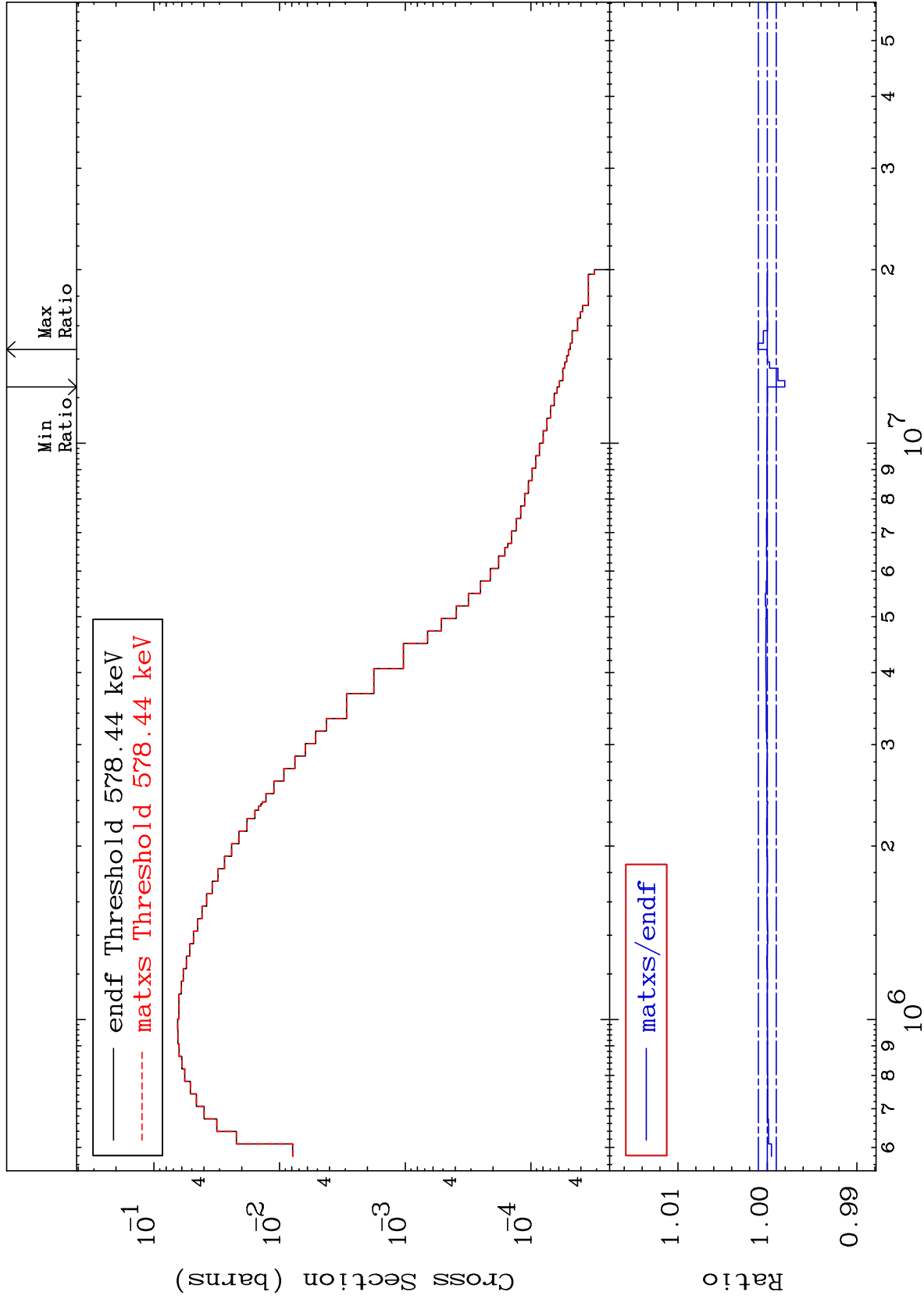
64-Gd-157
-0.194 To 0.105 %



MAT 6440

579.5 keV (n,n') Level
Cross Section

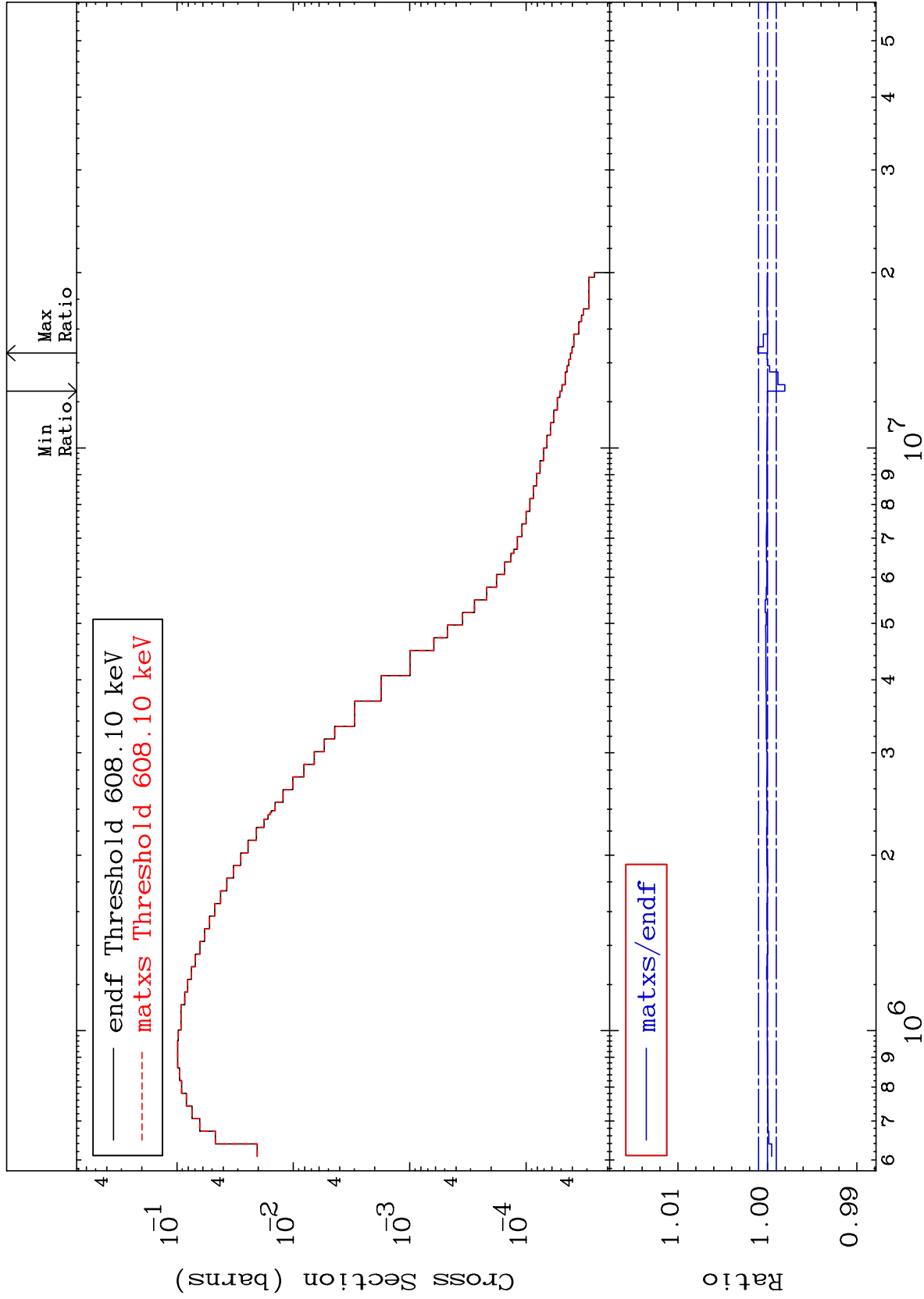
64-Gd-157
-0.194 To 0.105 %



MAT 6440

607.6 keV (n,n') Level
Cross Section

64-Gd-157
-0.194 To 0.105 %



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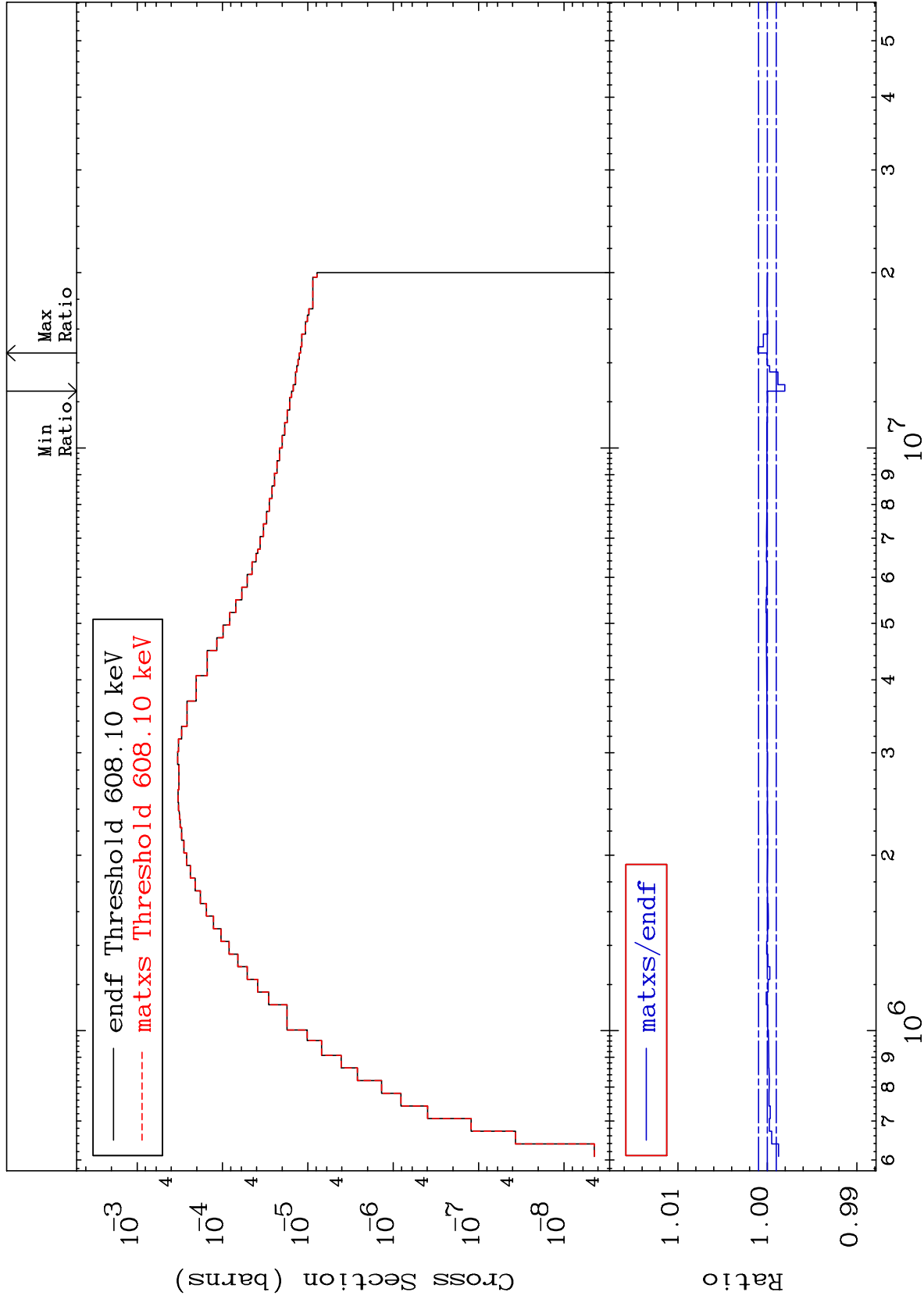
Incident Energy (eV)

64-Gd-157

MAT 6440

612.4 keV (n,n') Level
Cross Section

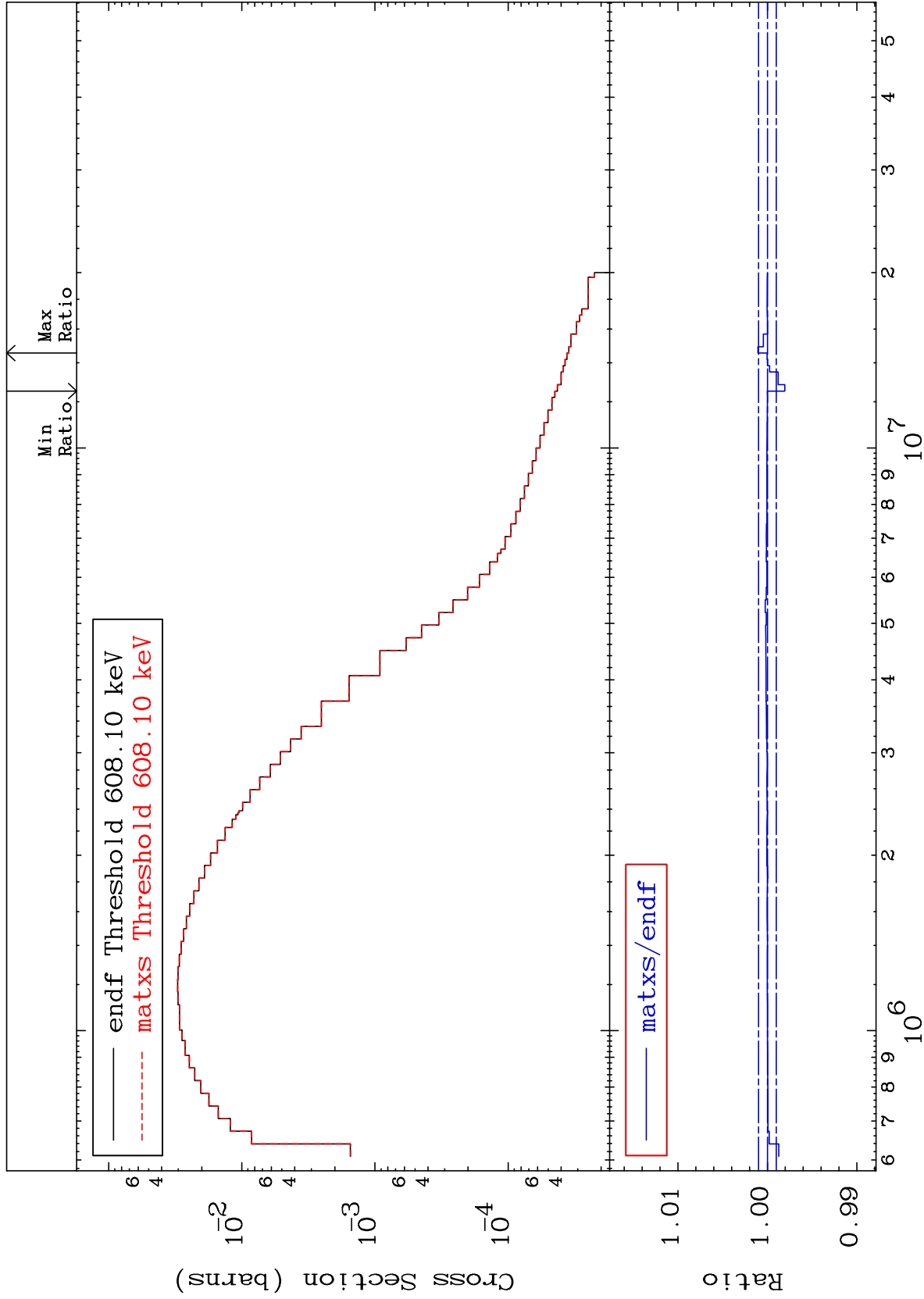
64-Gd-157
-0.194 To 0.105 %



MAT 6440

617.5 keV (n,n') Level
Cross Section

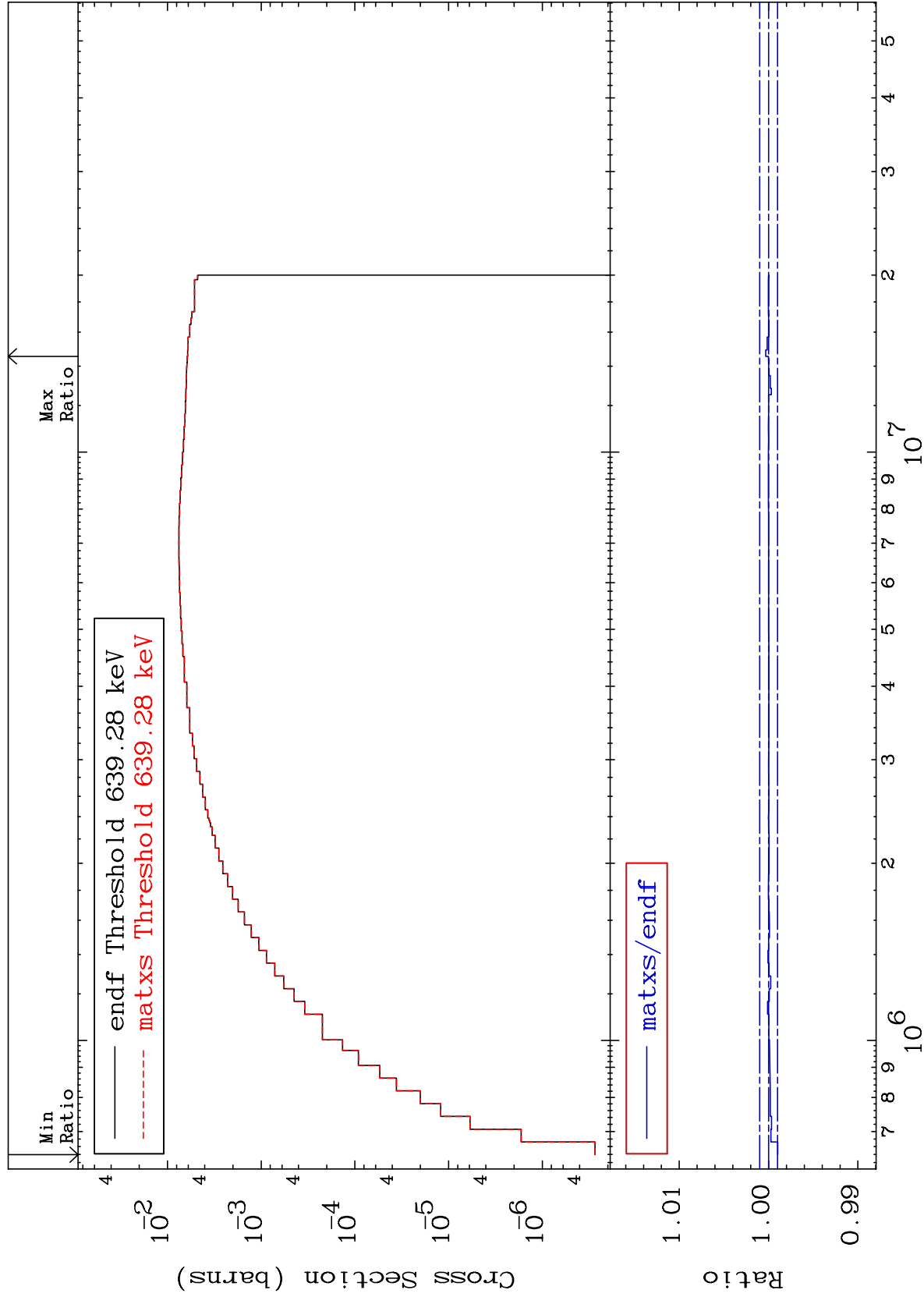
64-Gd-157
-0.194 To 0.105 %



MAT 6440

640.6 keV (n,n') Level
Cross Section

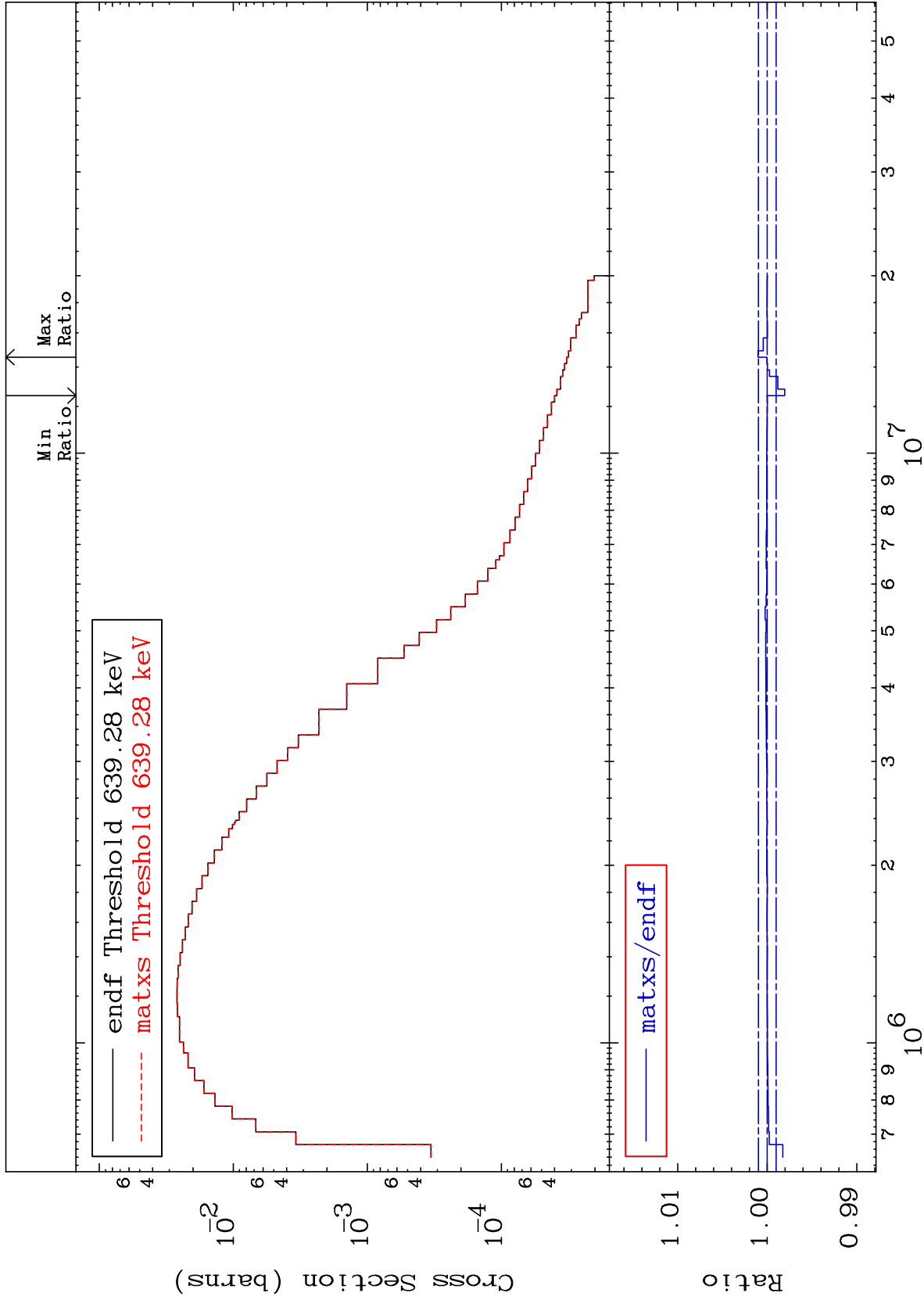
64-Gd-157
-0.102 To 0.033 %



MAT 6440

655.7 keV (n,n') Level
Cross Section

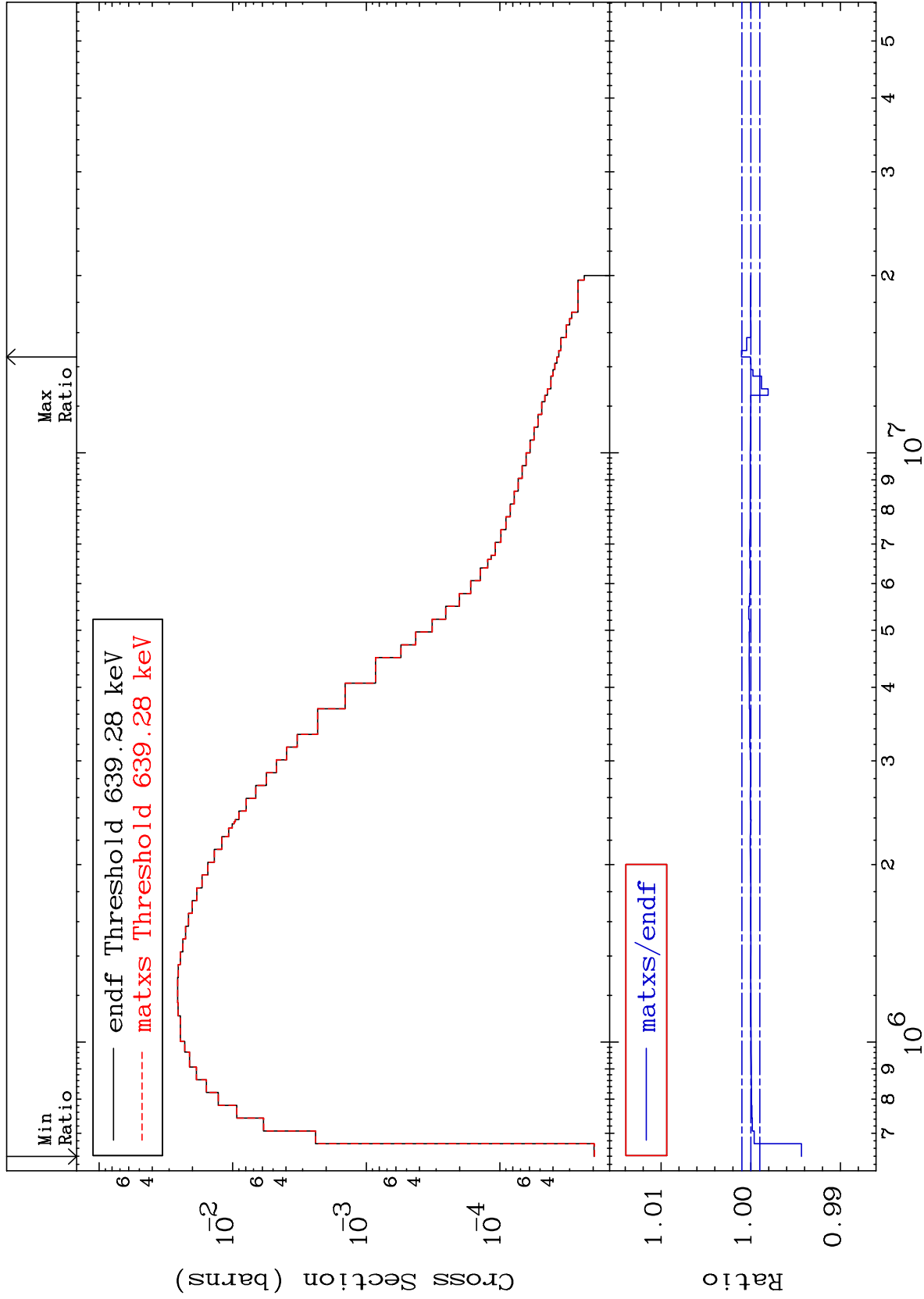
64-Gd-157
-0.194 To 0.105 %



MAT 6440

664.5 keV (n,n') Level
Cross Section

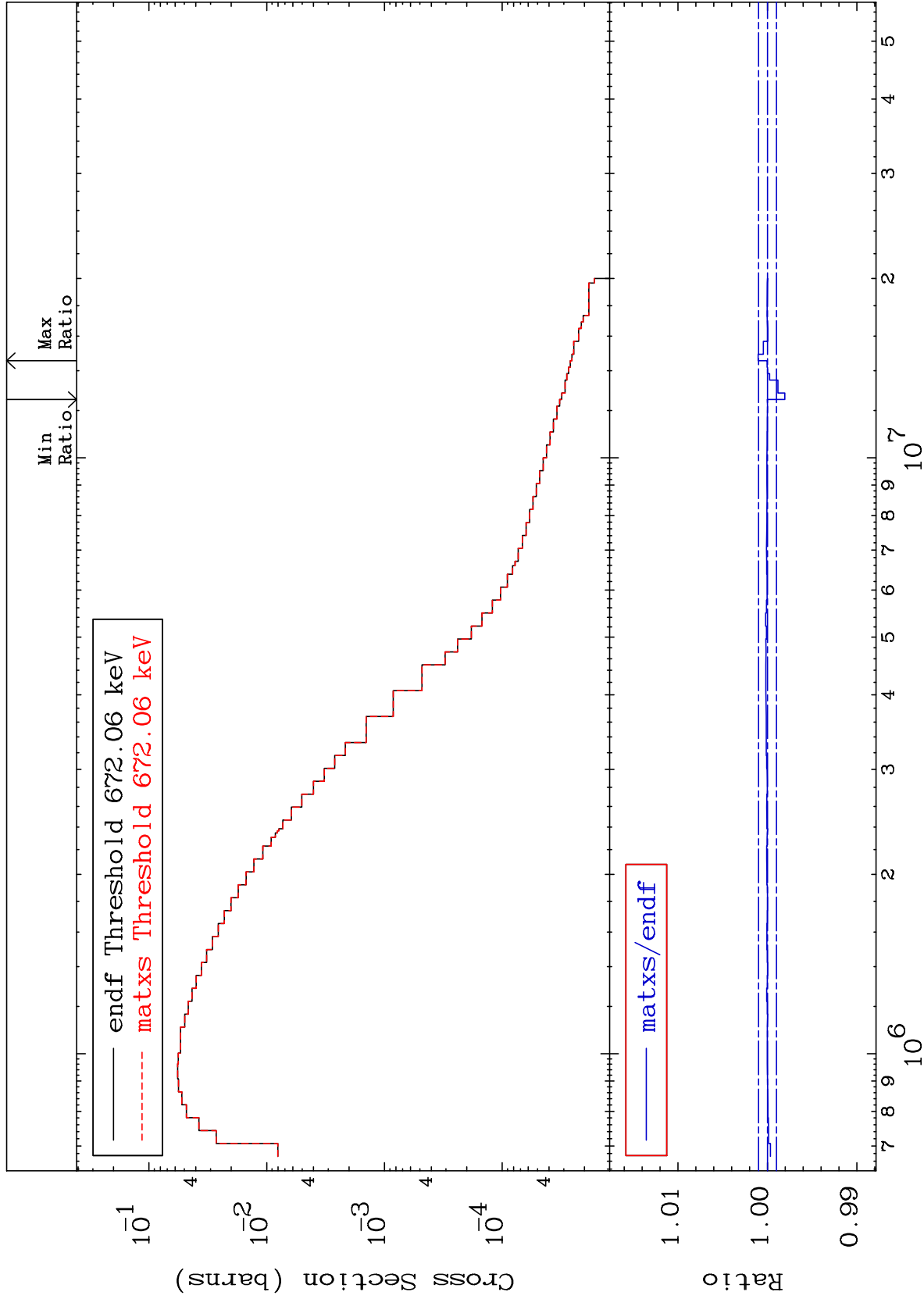
64-Gd-157
-0.564 To 0.105 %



MAT 6440

682.9 keV (n,n') Level
Cross Section

64-Gd-157
-0.193 To 0.105 %



30

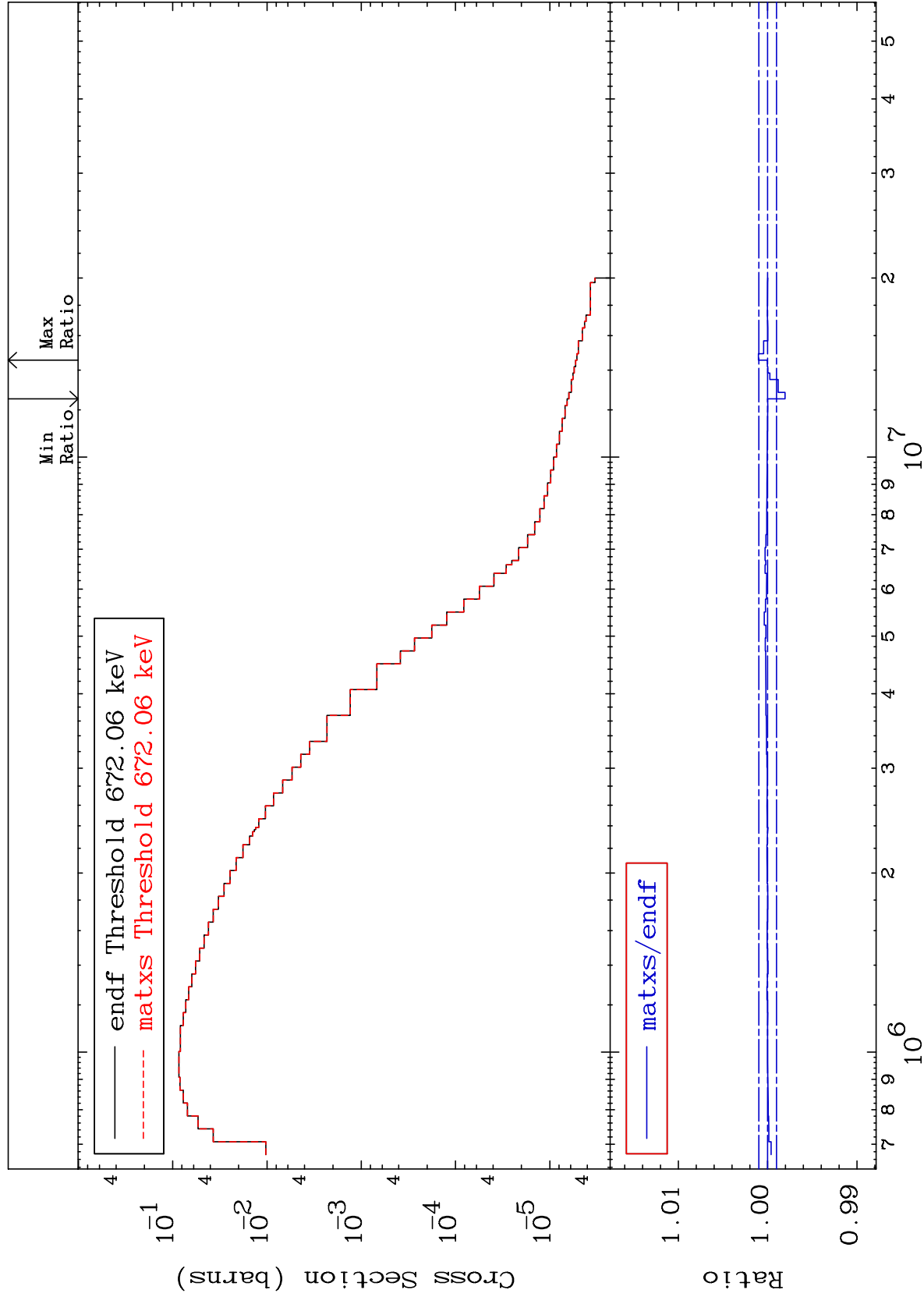
Incident Energy (eV)

64-Gd-157

MAT 6440

683.2 keV (n,n') Level
Cross Section

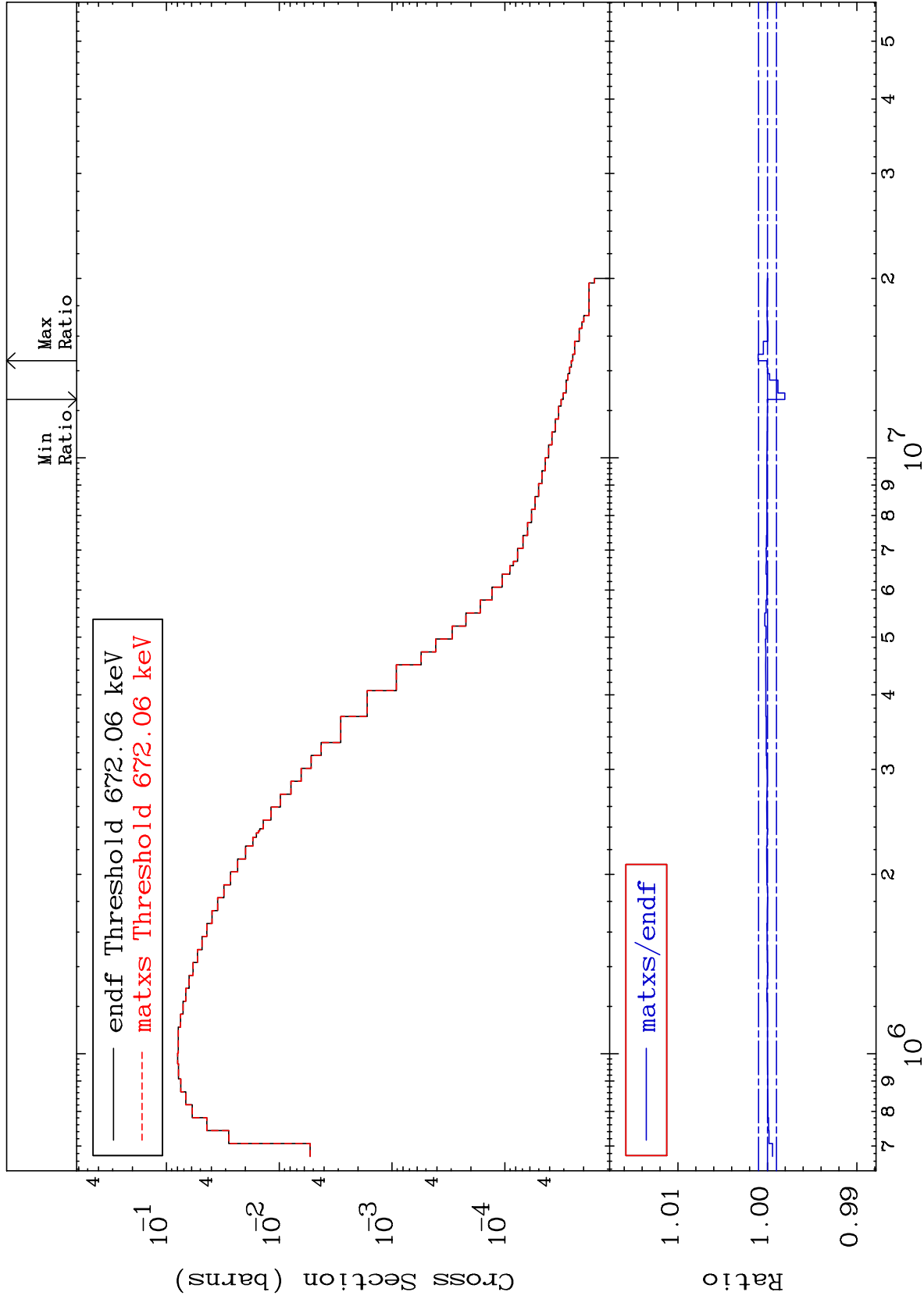
64-Gd-157
-0.194 To 0.104 %



MAT 6440

686.7 keV (n,n') Level
Cross Section

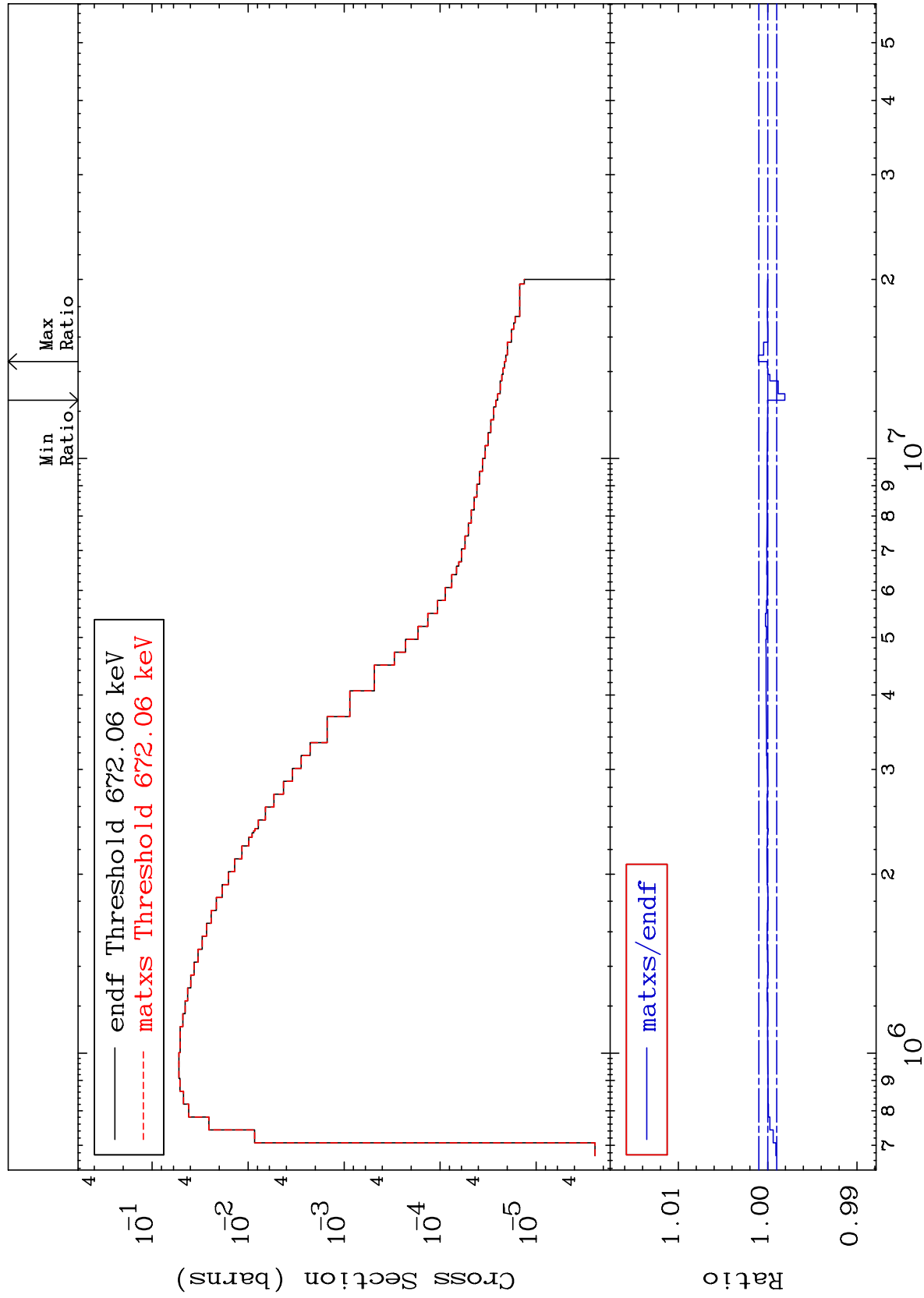
64-Gd-157
-0.193 To 0.105 %



MAT 6440

701.4 keV (n,n') Level
Cross Section

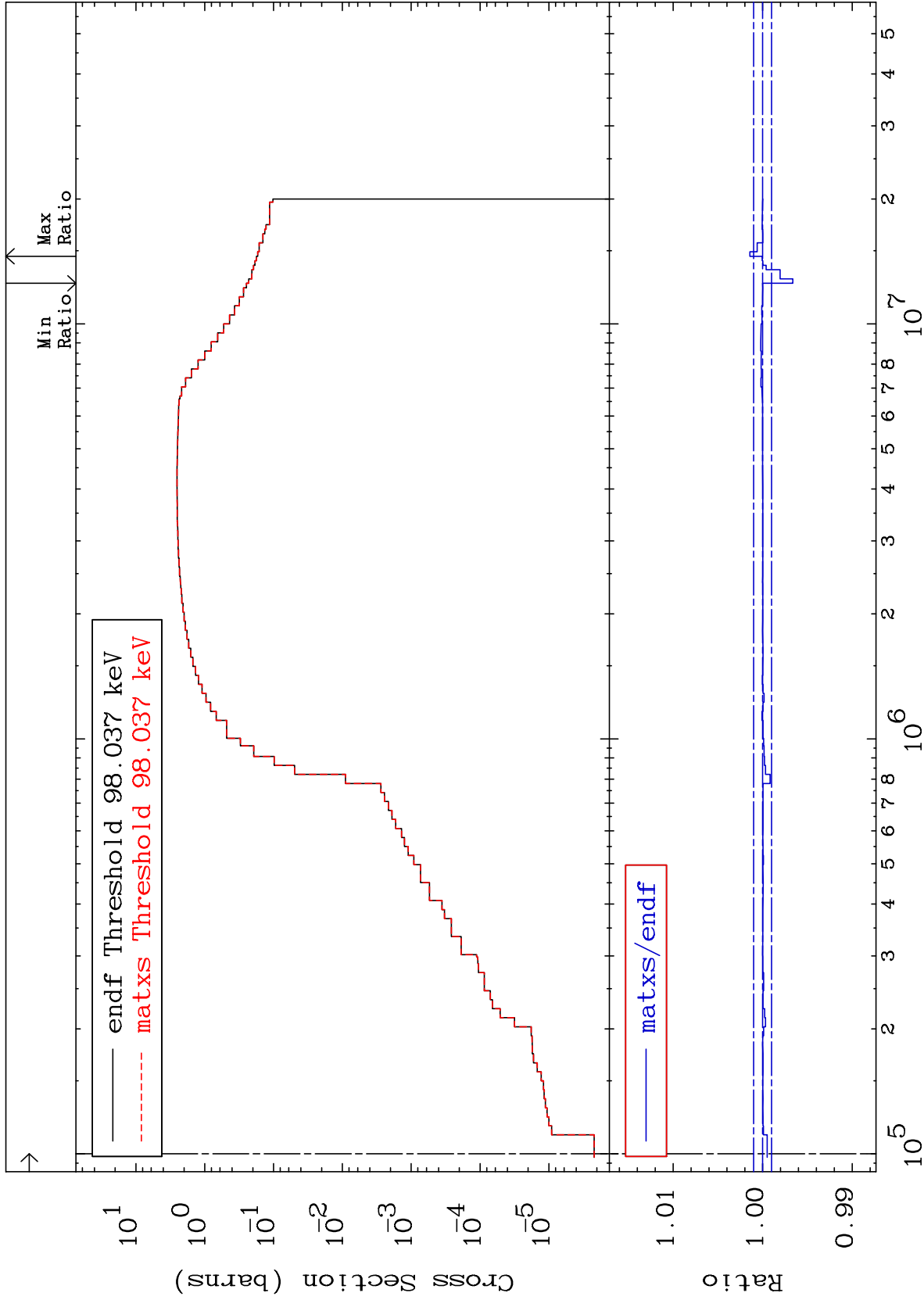
64-Gd-157
-0.193 To 0.104 %



MAT 6440

(n,n') Continuum
Cross Section

64-Gd-157
-0.335 To 0.144 %



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64-Gd-157

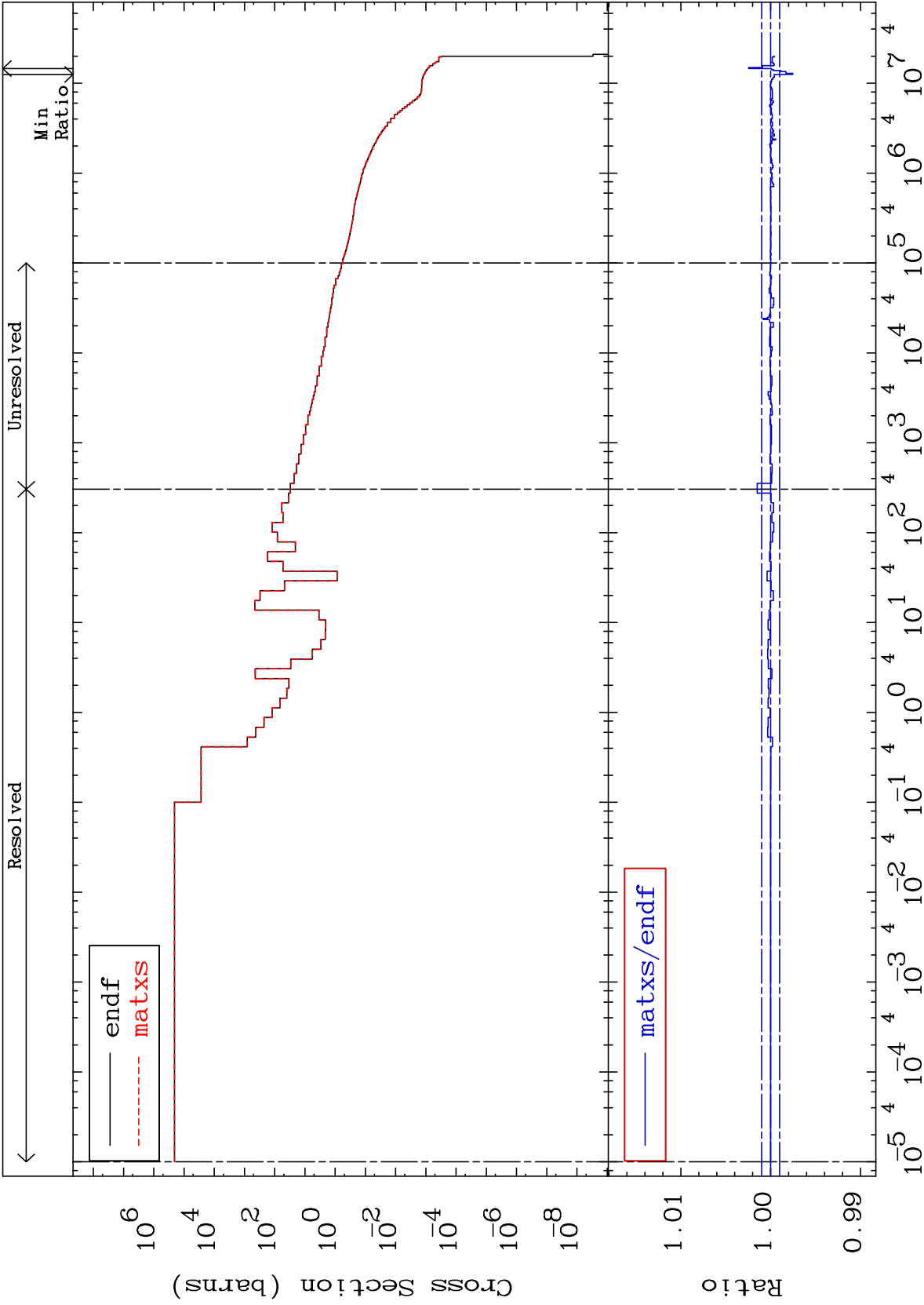
MAT 6440

(n, γ)

64-Gd-157

Cross Section

-0.246 To 0.244 %



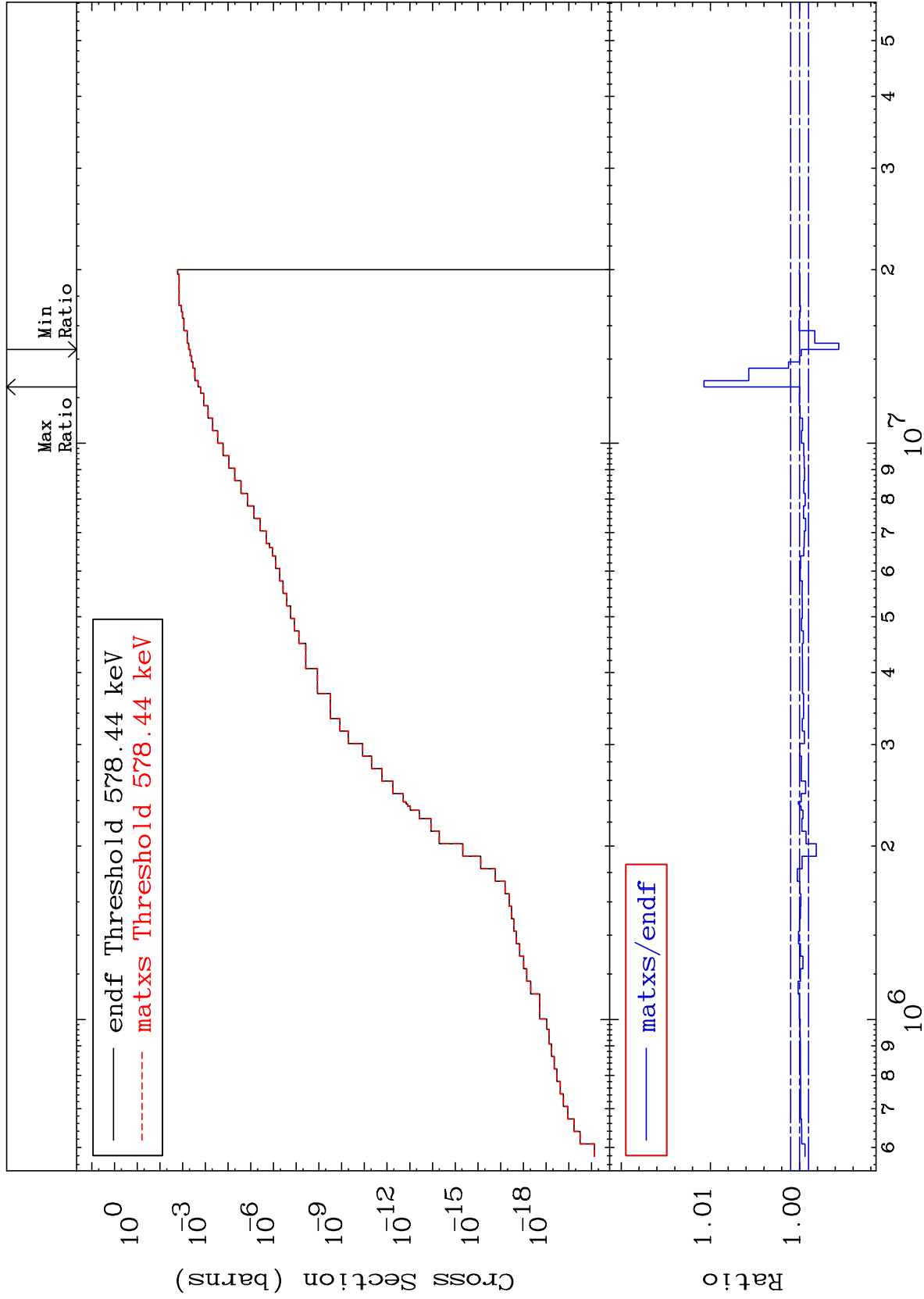
MAT 6440

(n,p)

64-Gd-157

Cross Section

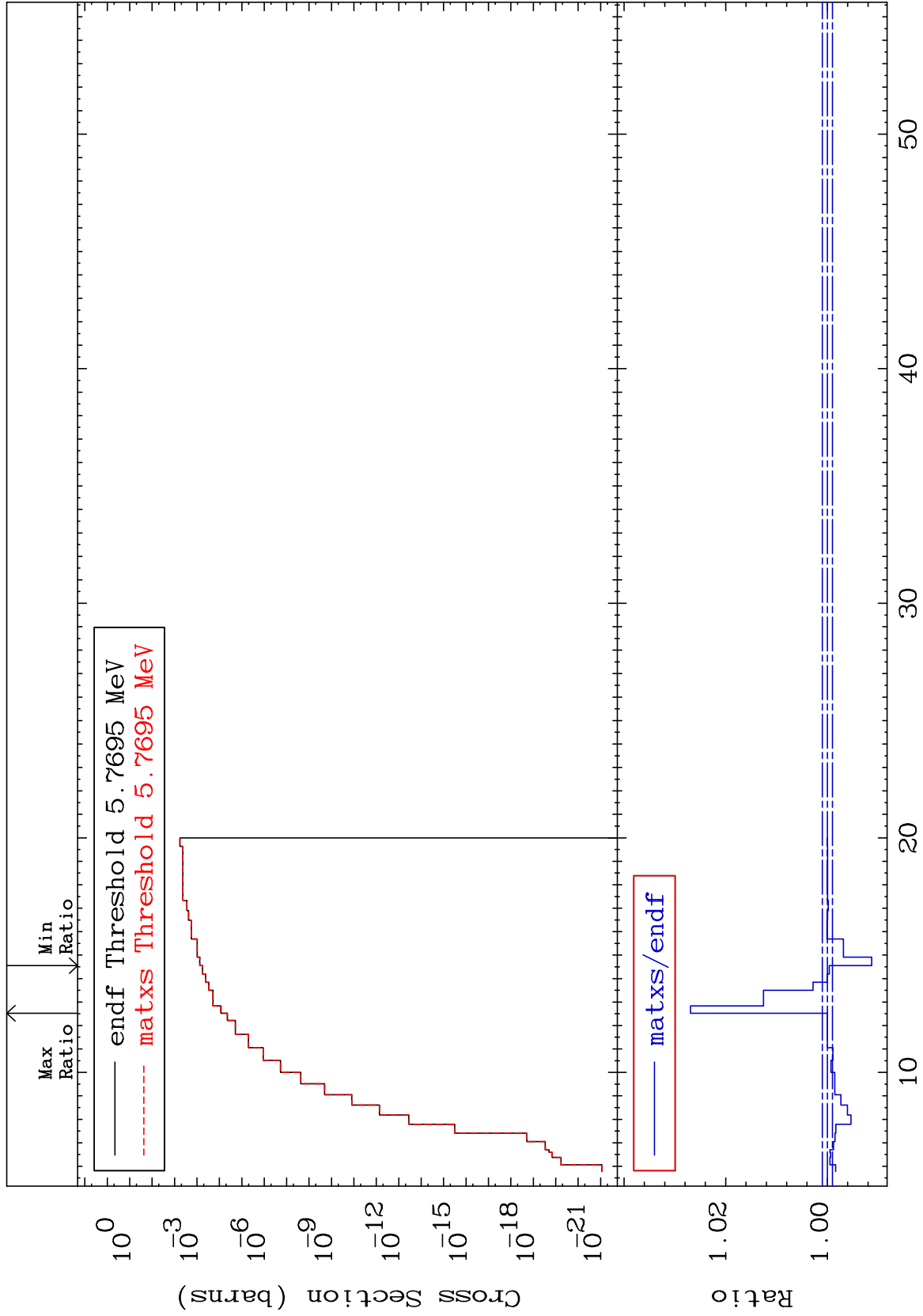
-0.439 To 1.072 %



MAT 6440

(n, d)
Cross Section

64-Gd-157
-0.872 To 2.691 %



37

Incident Energy (MeV)

64-Gd-157

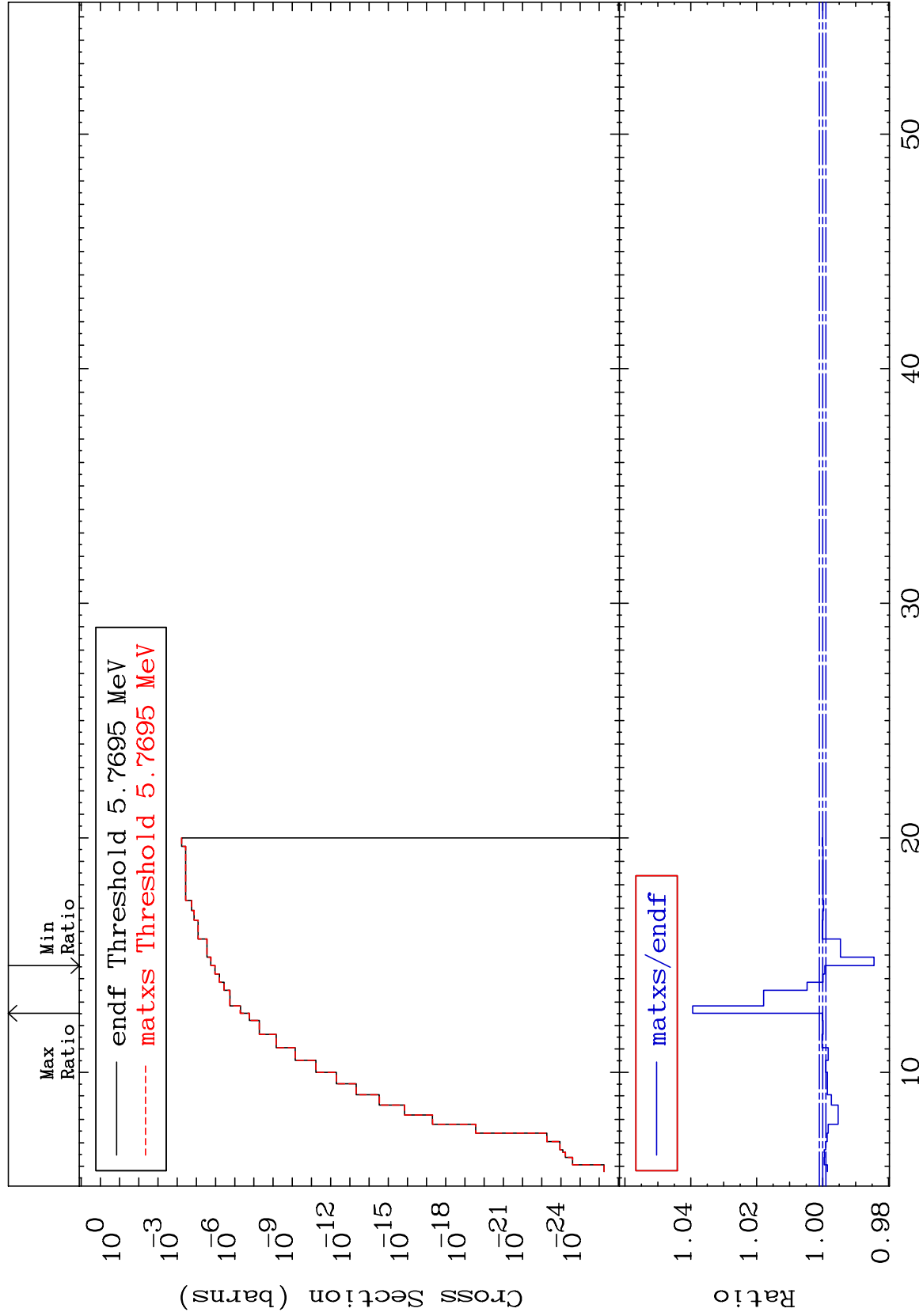
MAT 6440

(n, t)

64-Gd-157

Cross Section

-1.560 To 3.943 %



MAT 6440

(n, α)

64-Gd-157

Cross Section

-0.425 To 9.510 %

