

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

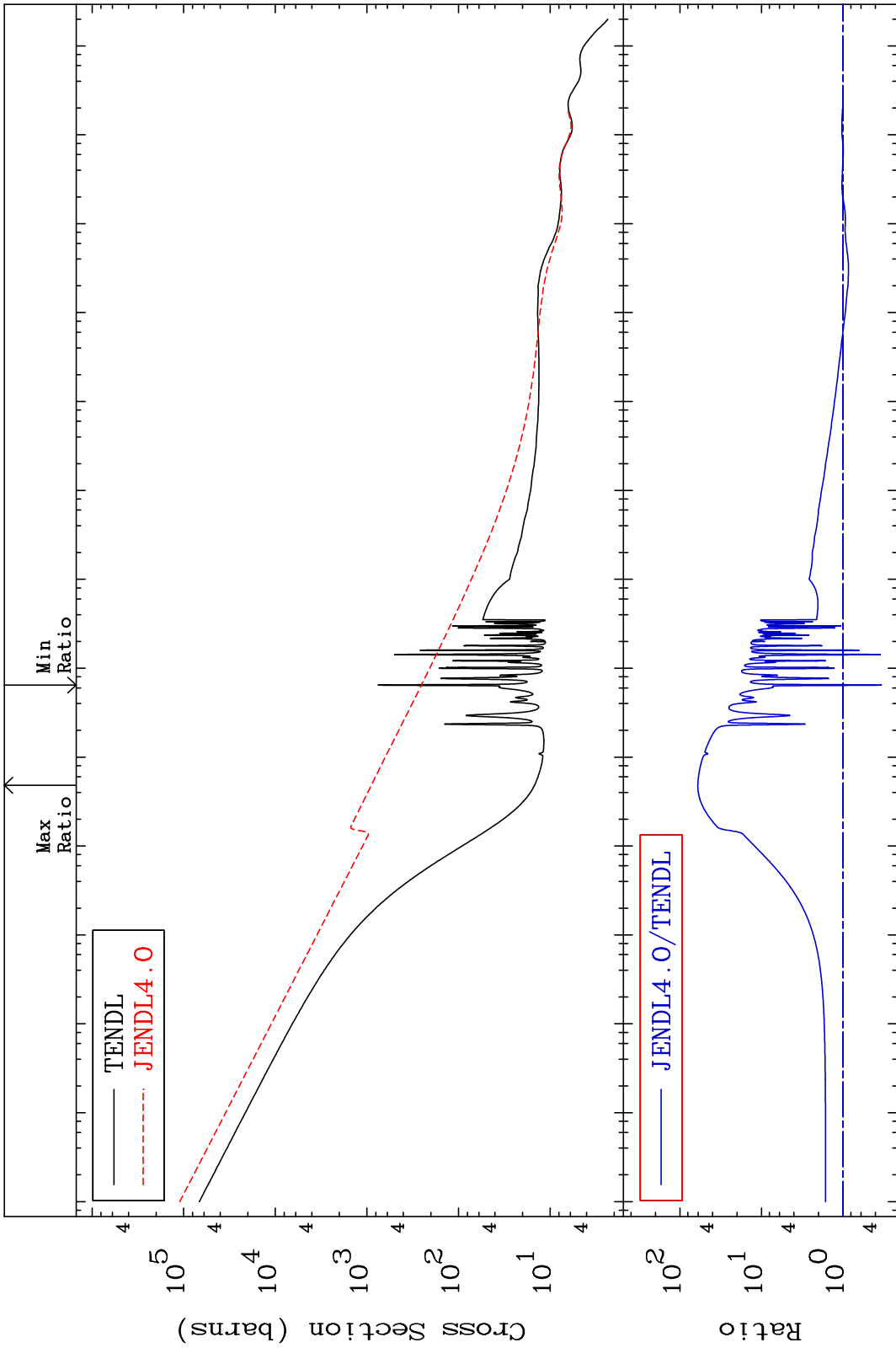
MAT 9912

Total

99-Es-252

-66.31 To 5951. %

Cross Section



Incident Energy (eV)

99-Es-252

1

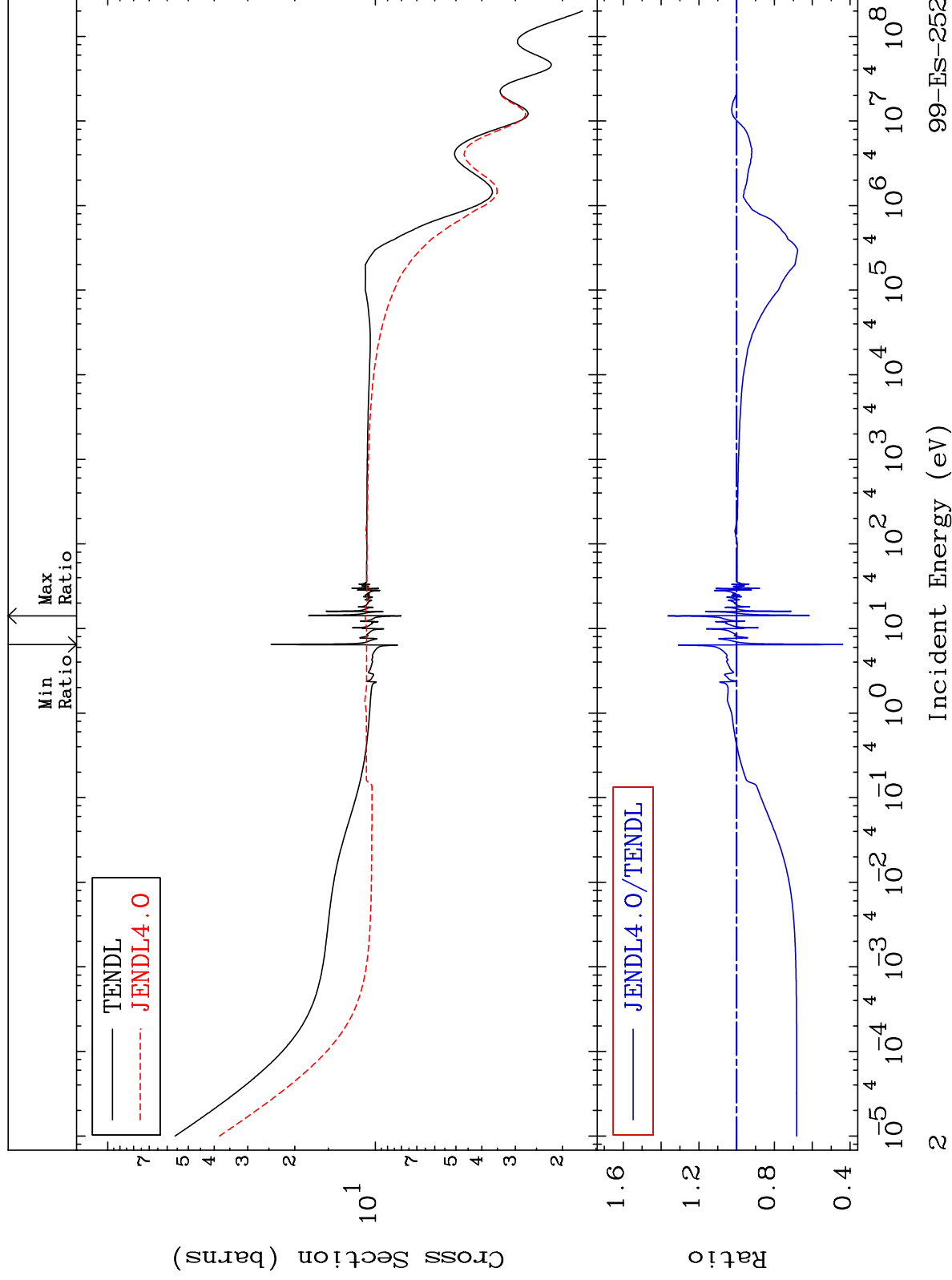
MAT 9912

Elastic

99-Es-252

Cross Section

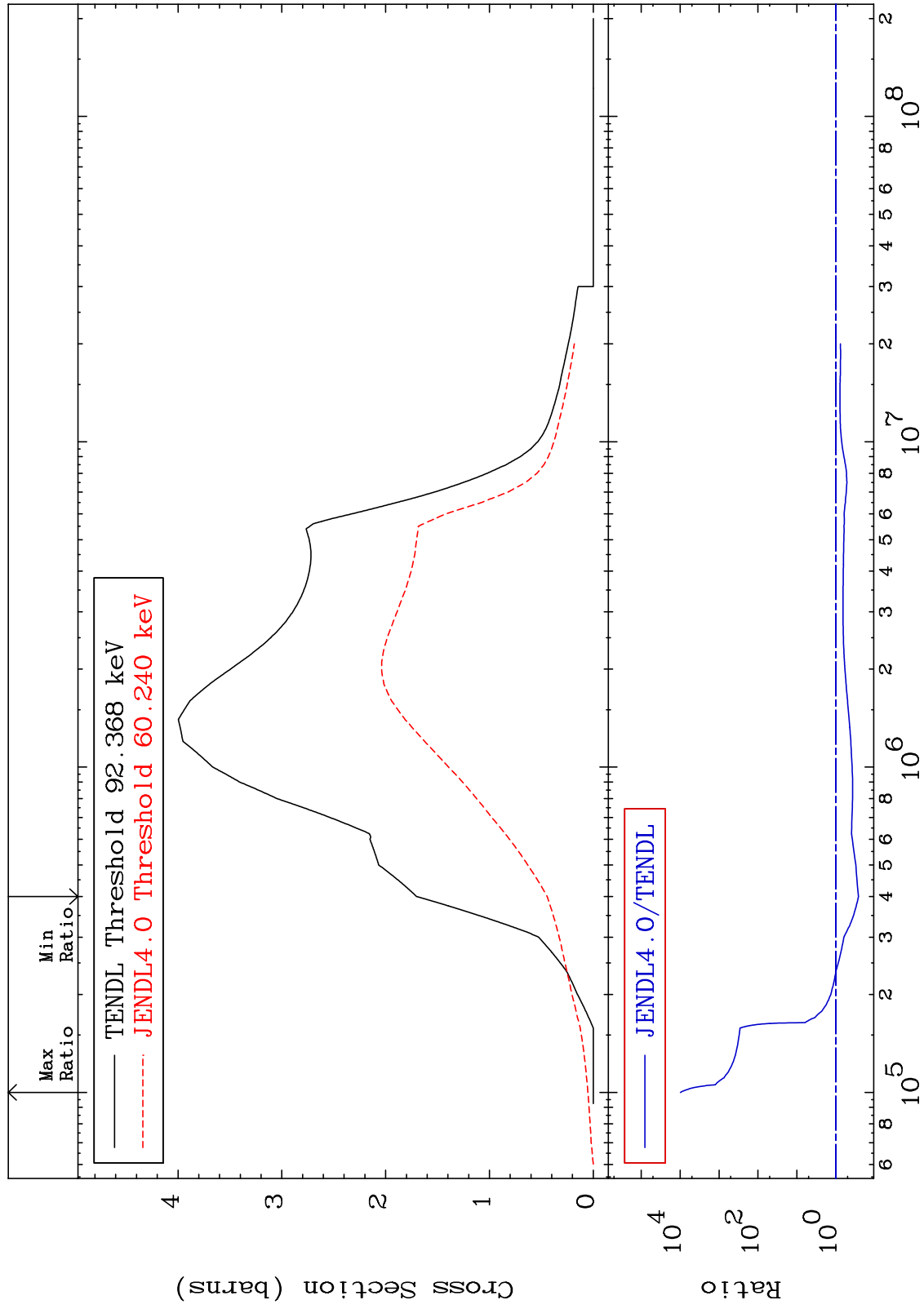
-56.14 To 36.29 %



MAT 9912

Inelastic
Cross Section

99-Es-252
-73.93 To 9999. %



3

Incident Energy (eV)

99-Es-252

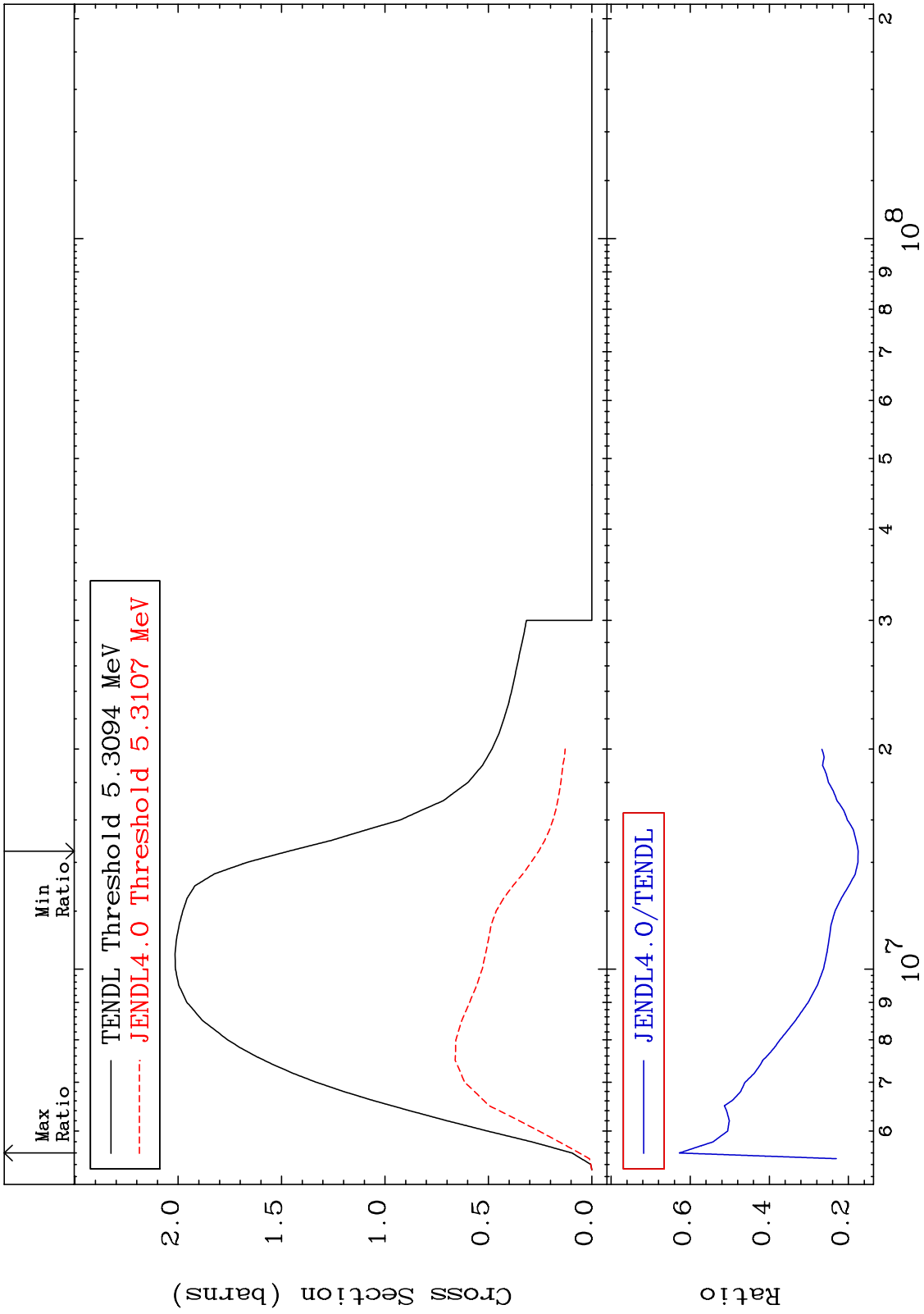
MAT 9912

(n,2n)

99-Es-252

Cross Section

-82.48 To -37.25%



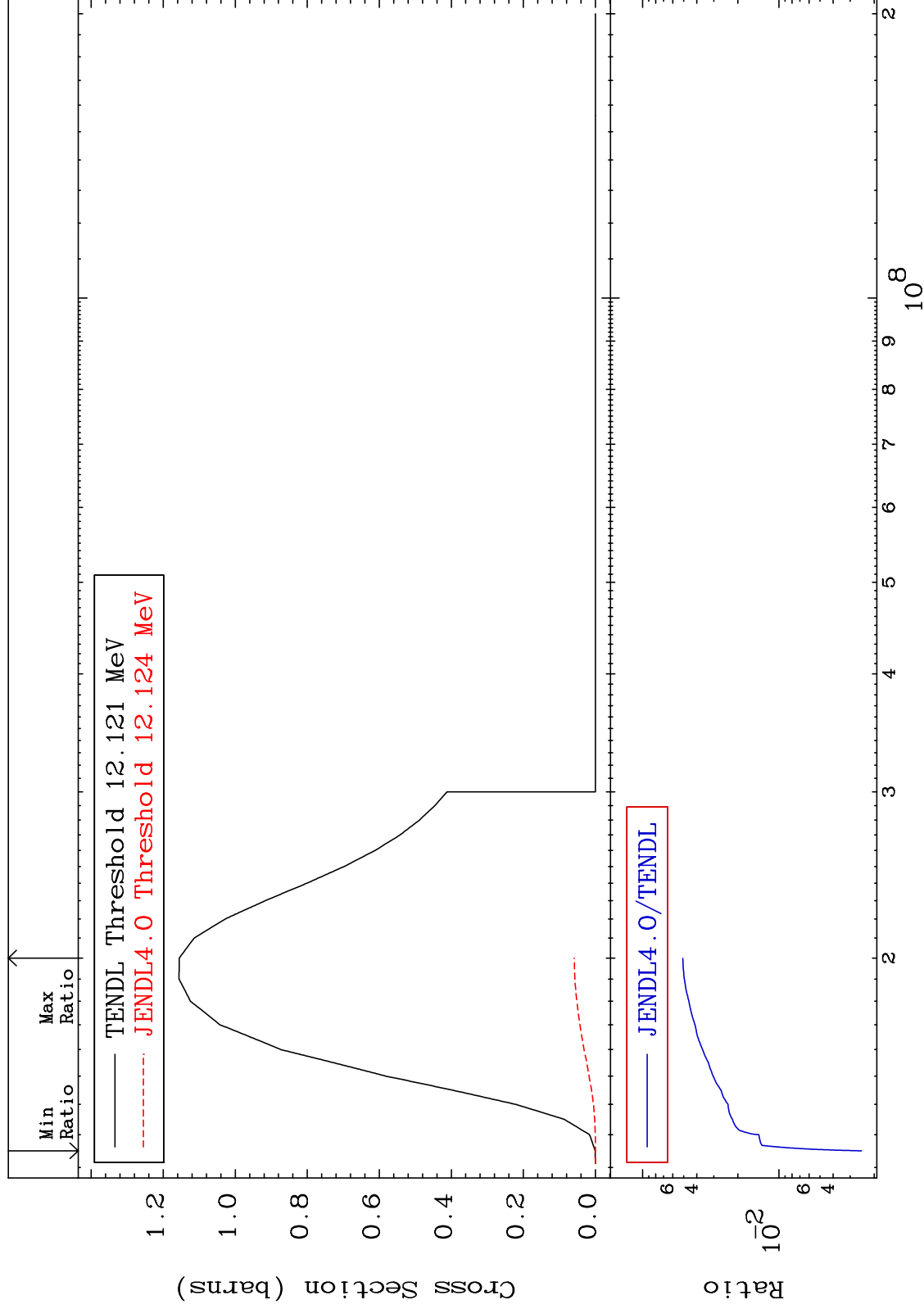
MAT 9912

(n, 3n)

99-Es-252

Cross Section

-99.75 To -94.94%



5

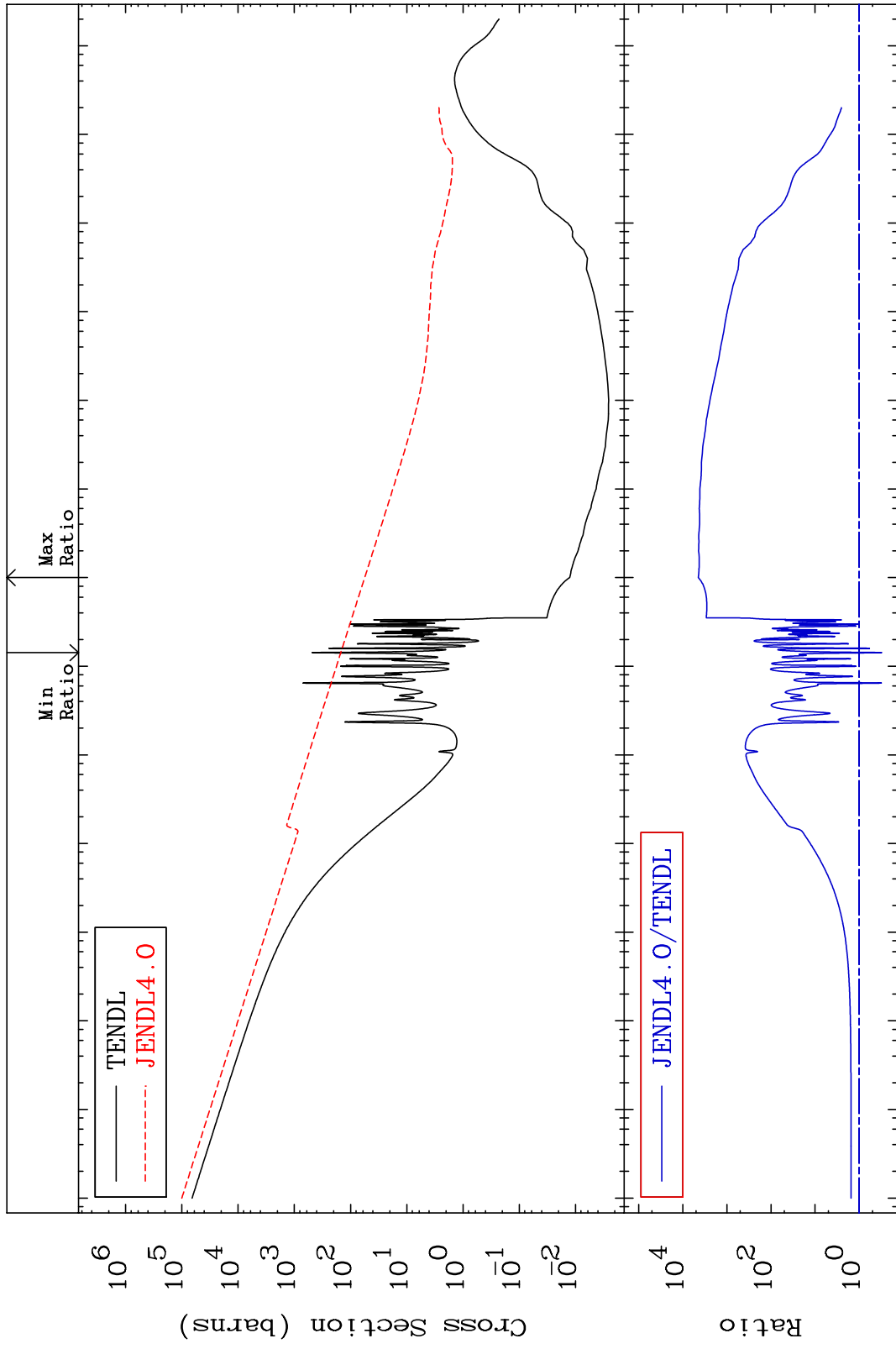
Incident Energy (eV)

99-Es-252

MAT 9912

Fission Cross Section

99-Es-252
-68.91 To 9999. %



6

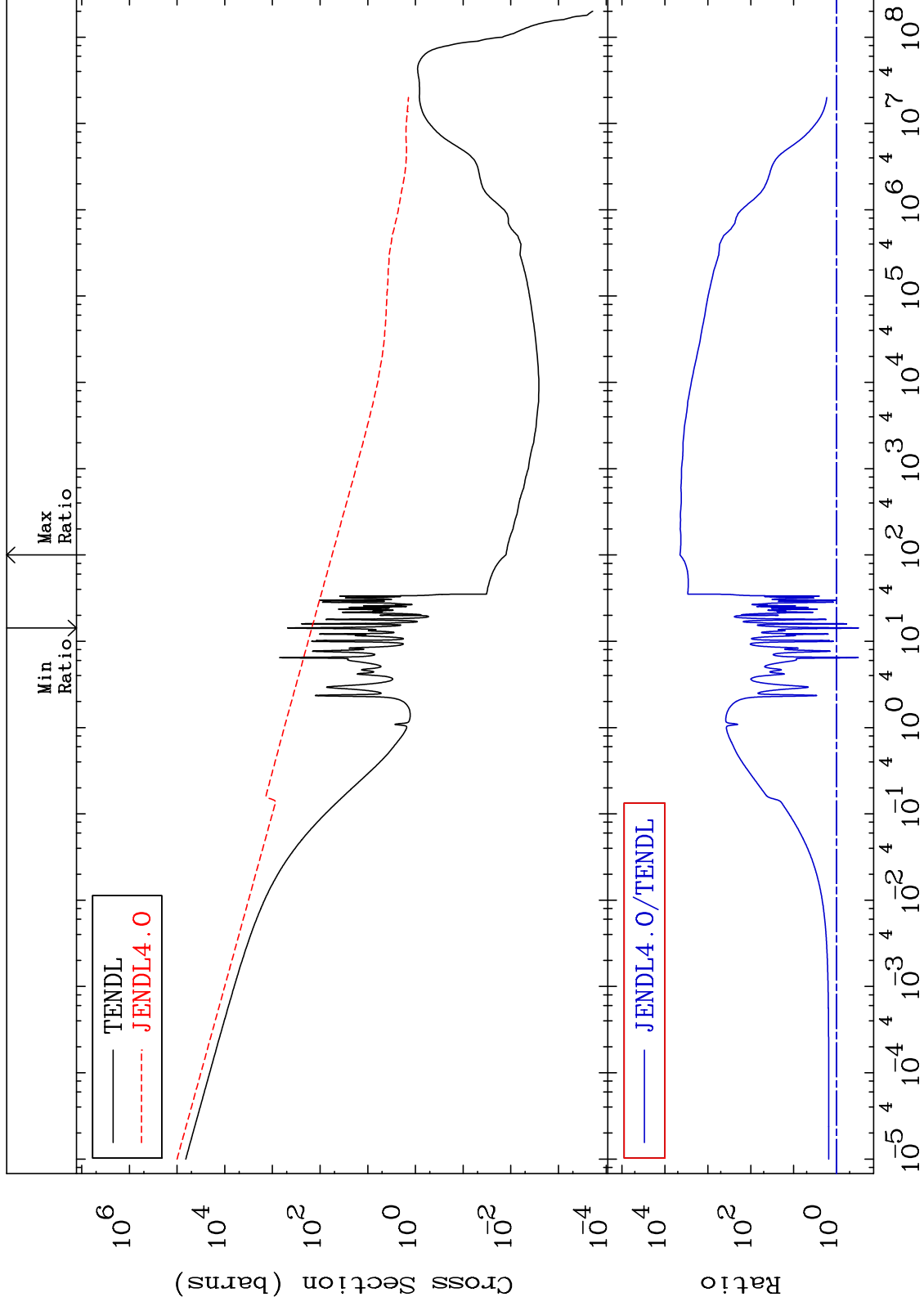
Incident Energy (eV)

99-Es-252

MAT 9912

(n, f) First Chance
Cross Section

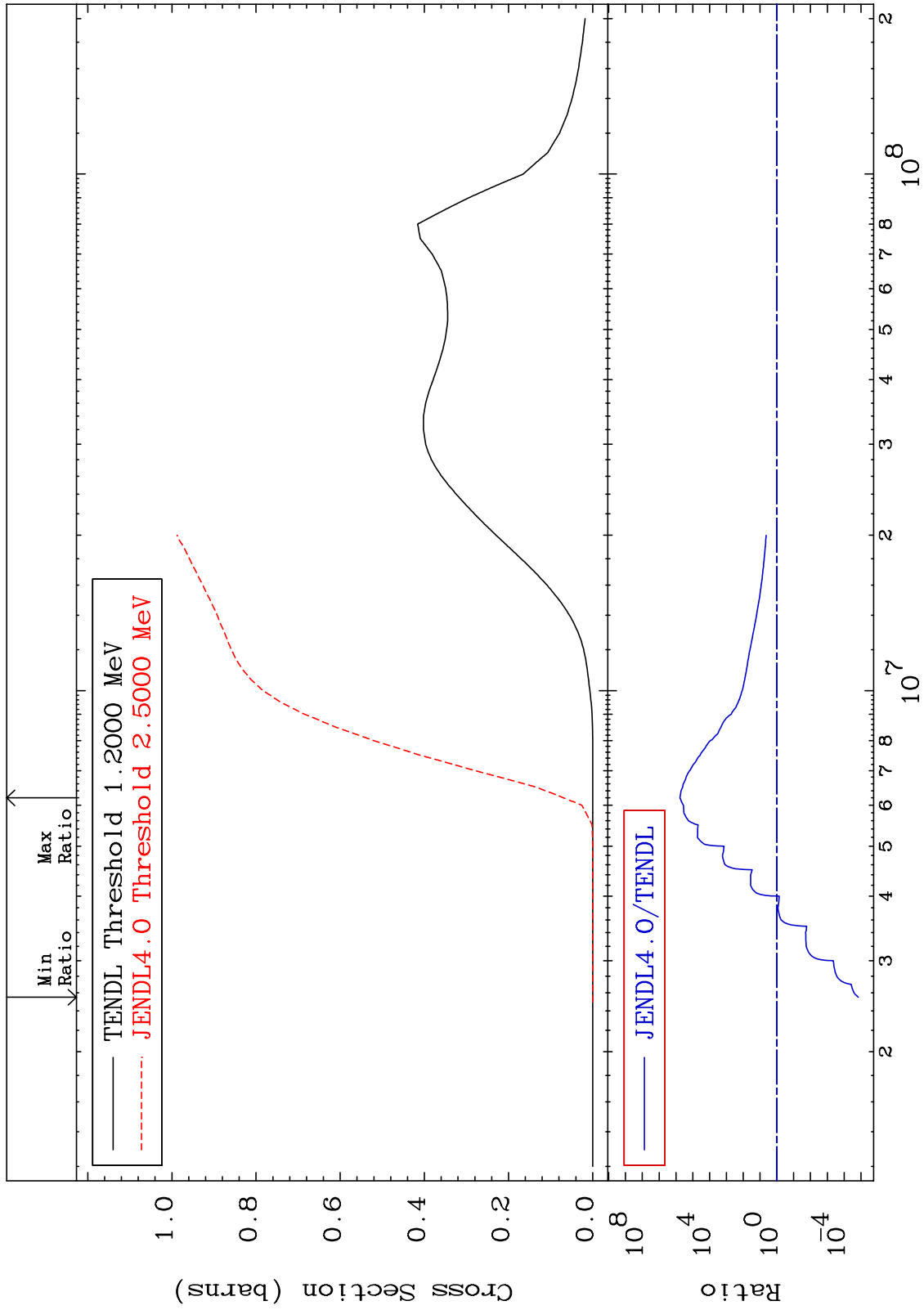
99-Es-252
-68.91 To 9999. %



MAT 9912

(n, nf) Second Chance
Cross Section

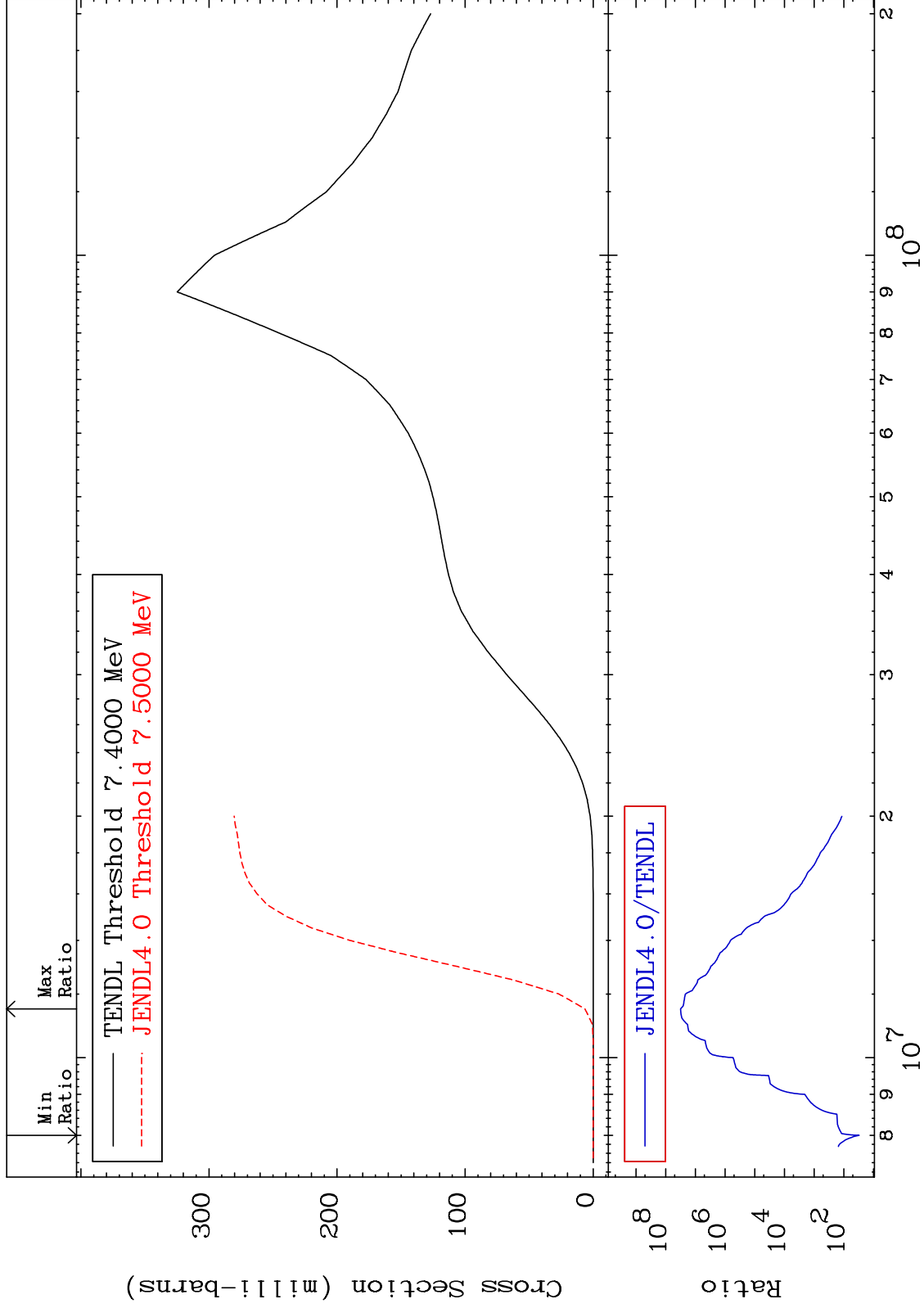
99-Es-252
-100.0 To 9999. %



MAT 9912

(n,2nf) Third Chance
Cross Section

99-Es-252
2924. To 9999. %



9

Incident Energy (eV)

99-Es-252

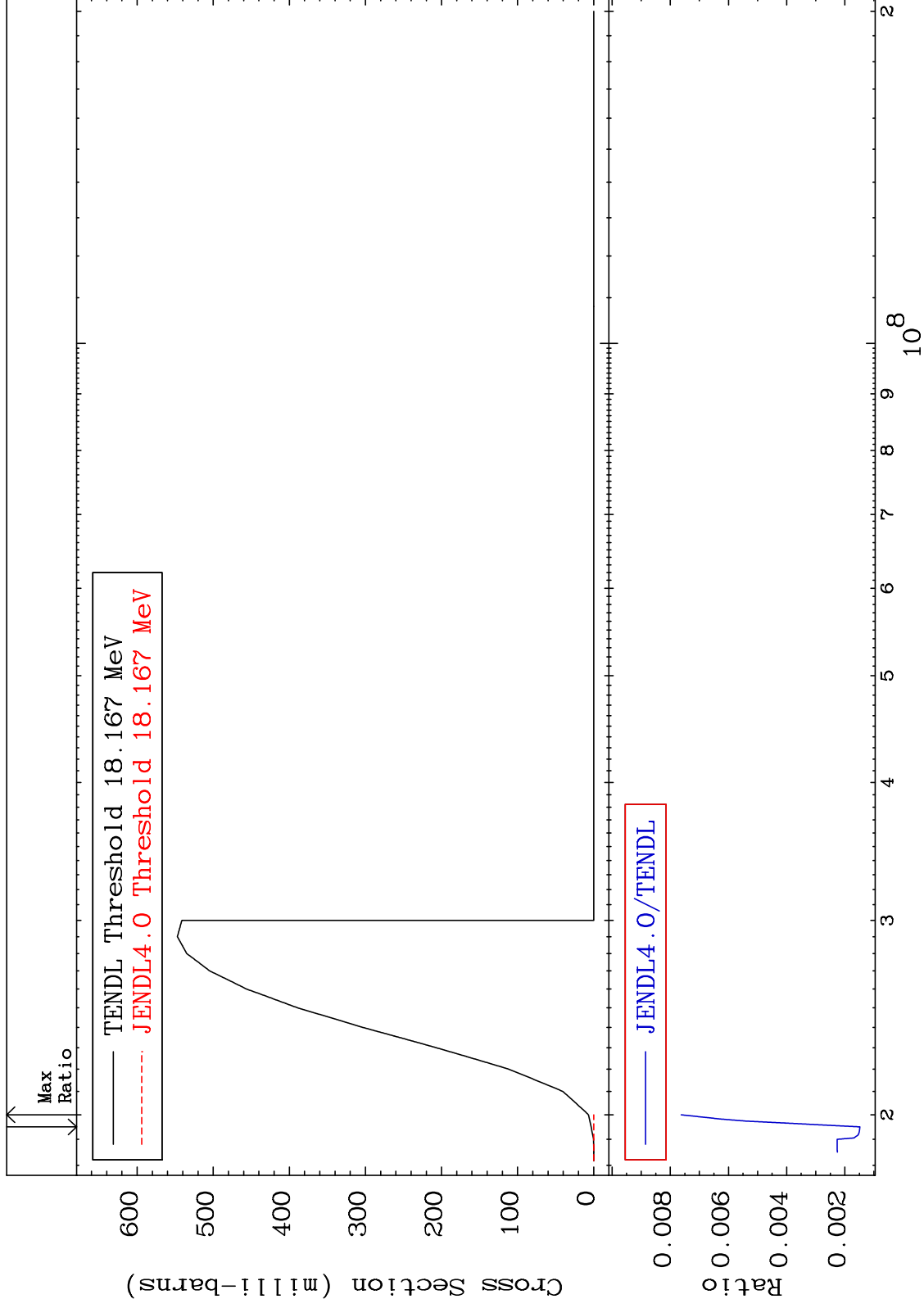
MAT 9912

(n, 4n)

99-Es-252

Cross Section

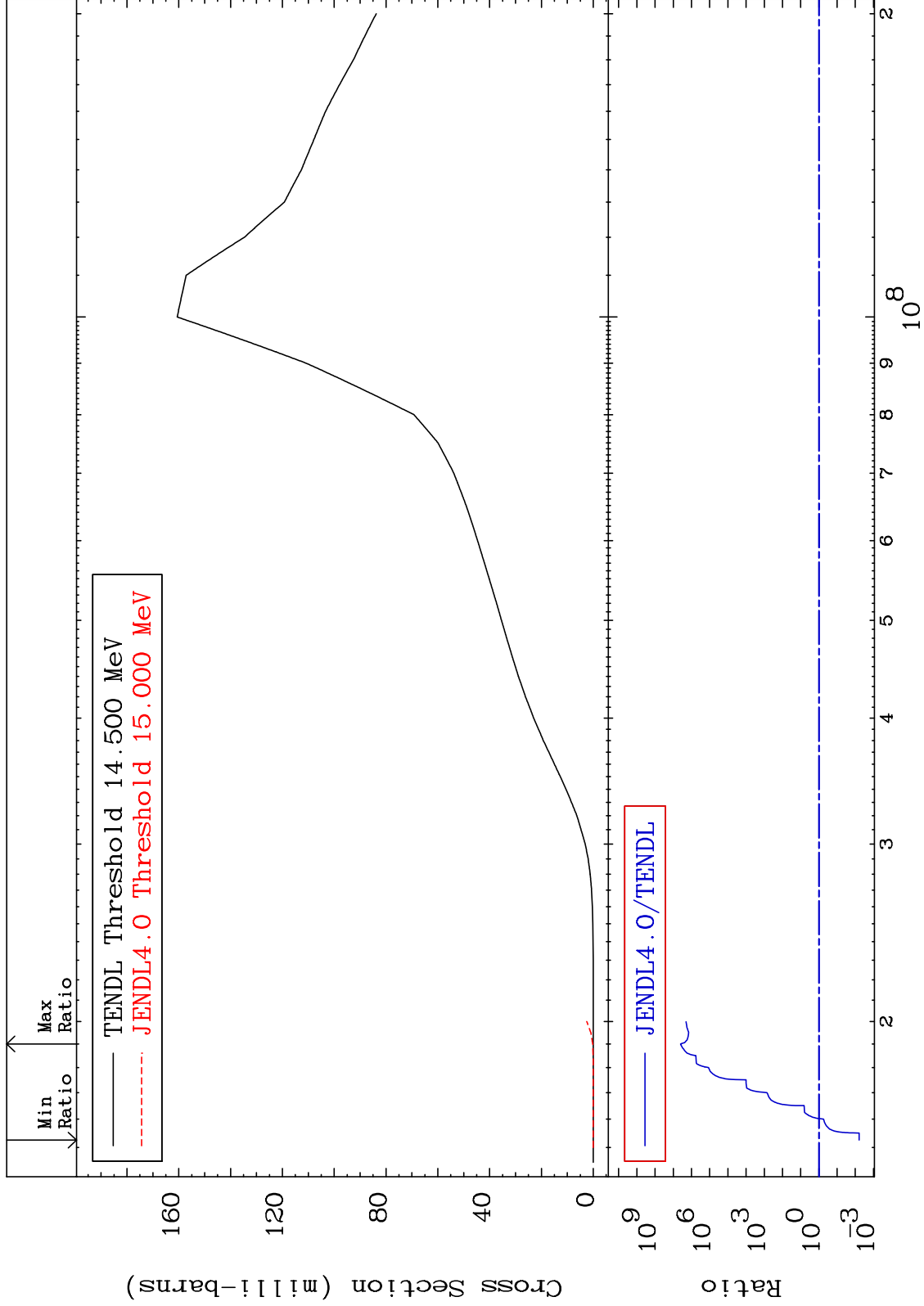
-99.85 To -99.24%



MAT 9912

(n,3nf) Fourth Chance
Cross Section

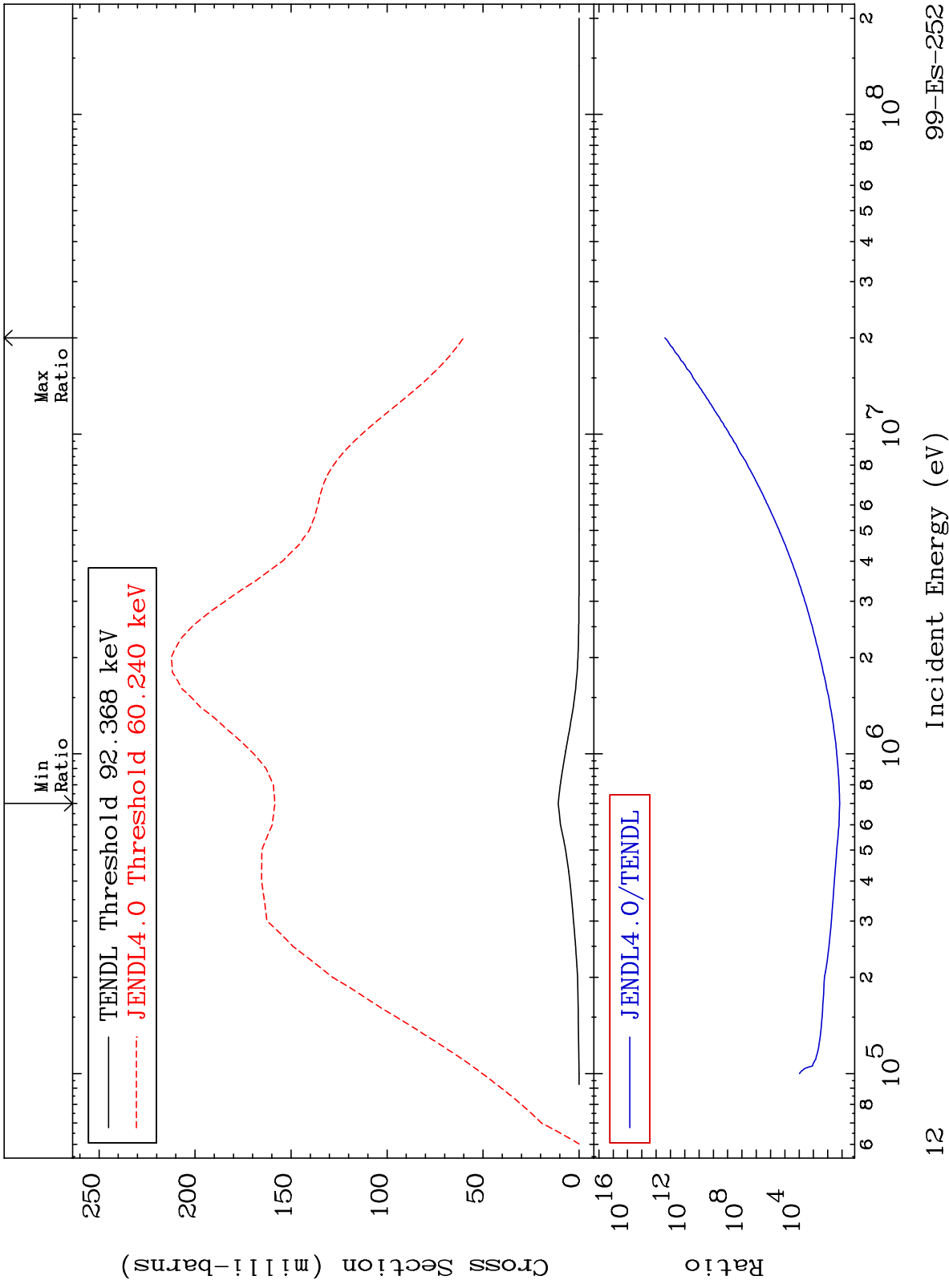
99-Es-252
-99.39 To 9999. %



MAT 9912

MT= 51 (n,n') Level
Cross Section

99-Es-252
1357. To 9999. %



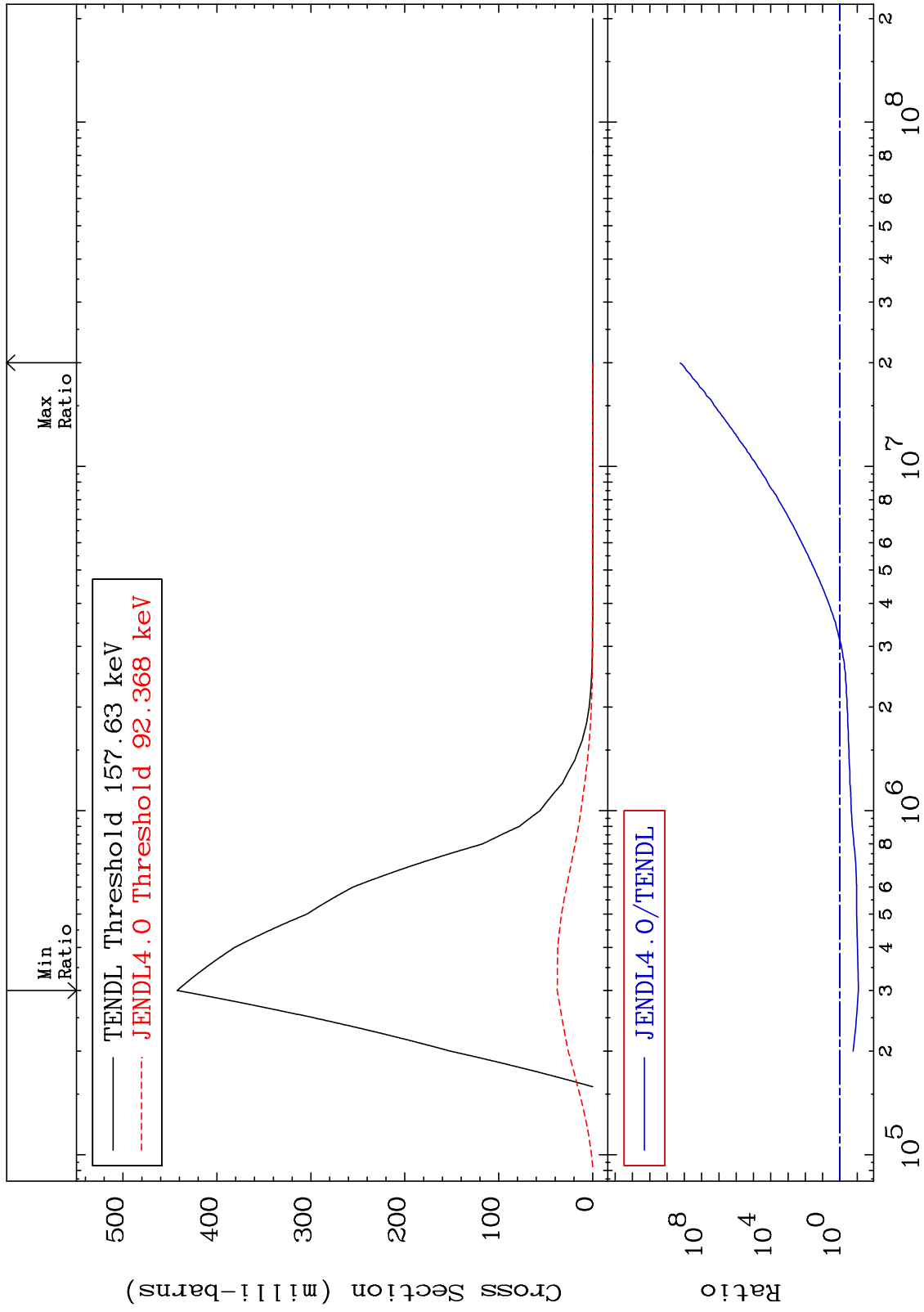
12

99-Es-252

MAT 9912

MT= 52 (n,n') Level
Cross Section

99-Es-252
-91.47 To 9999. %



13

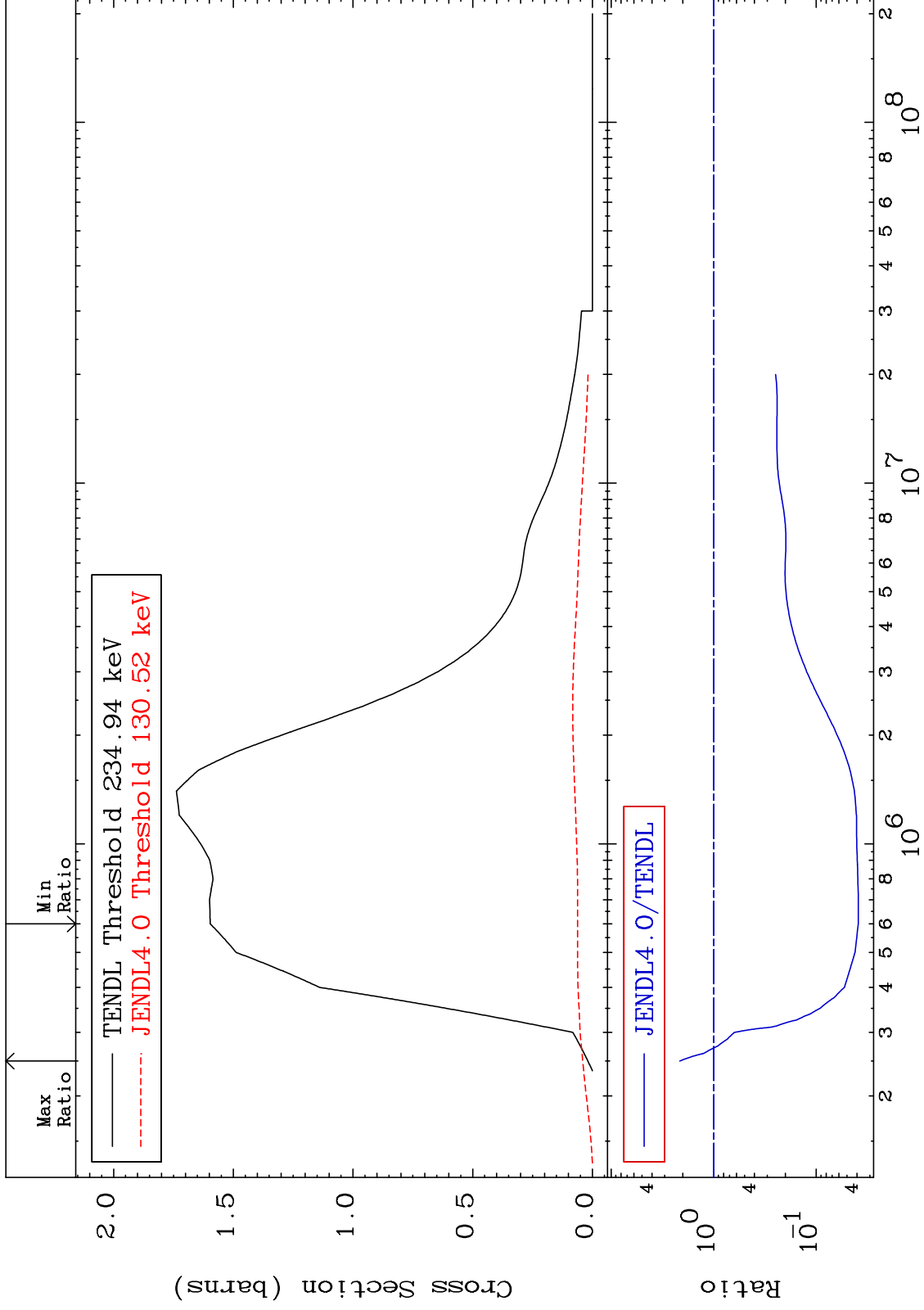
Incident Energy (eV)

99-Es-252

MAT 9912

MT= 53 (n,n') Level
Cross Section

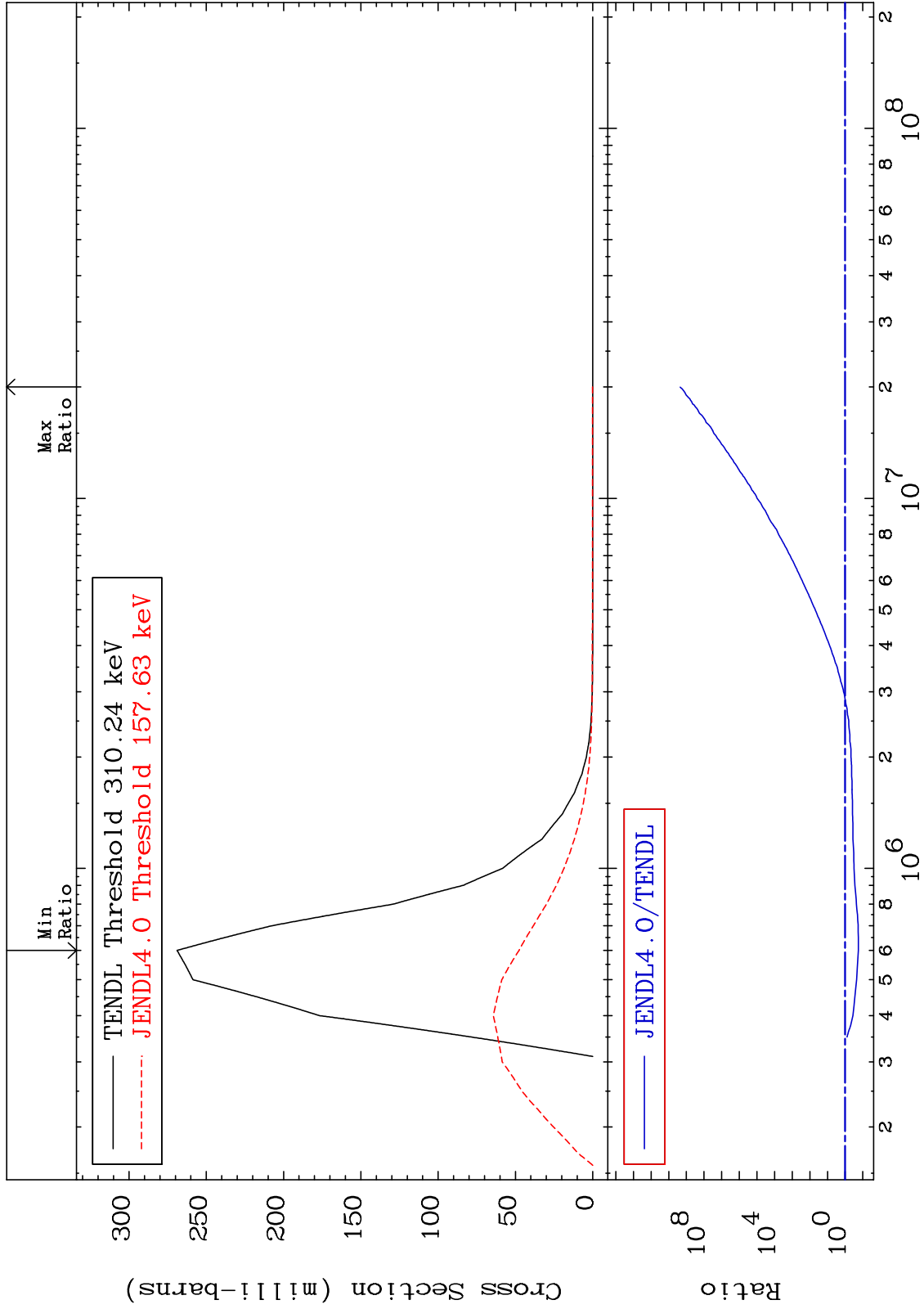
99-Es-252
-96.12 To 114.1 %



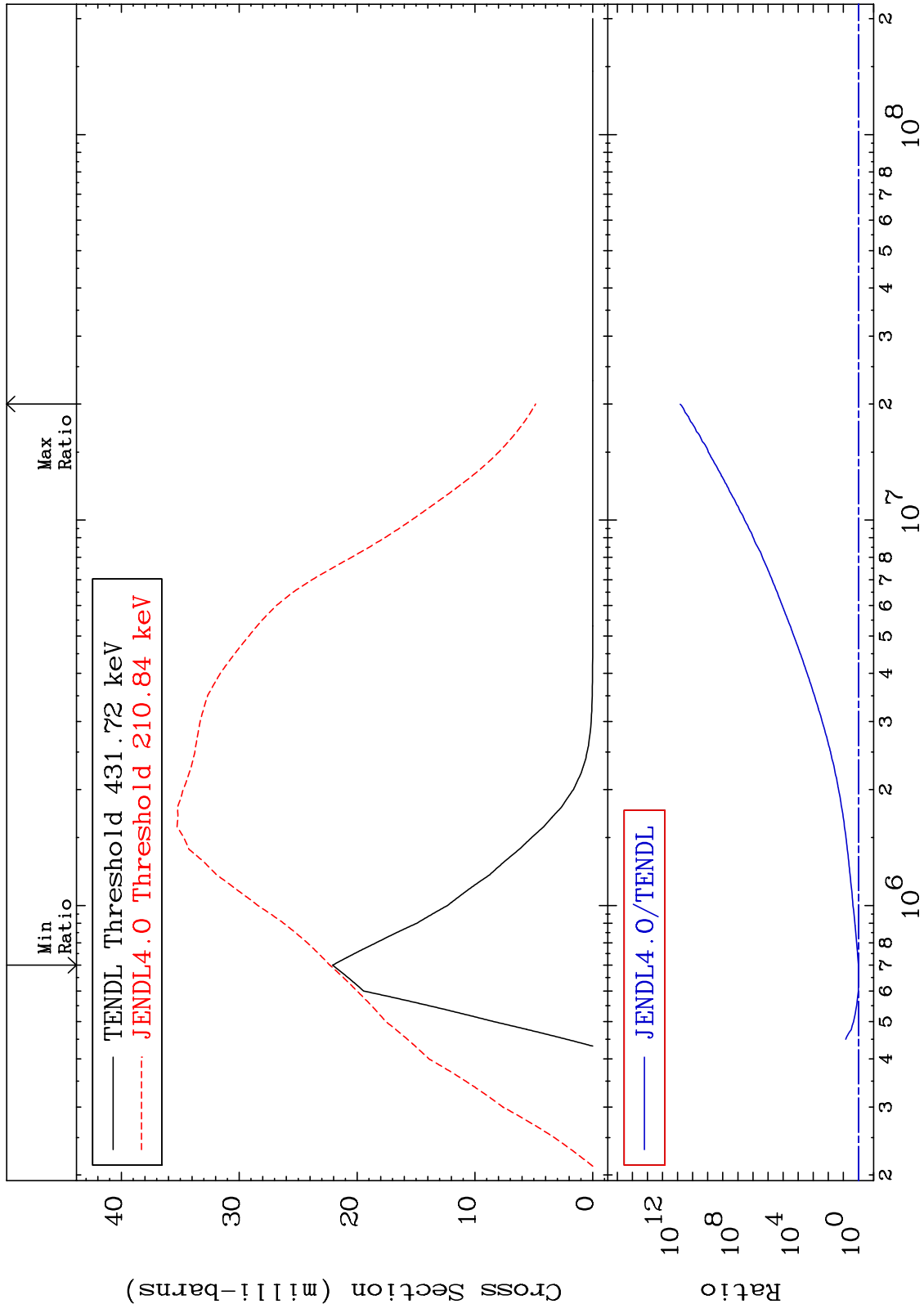
MAT 9912

MT= 54 (n,n') Level
Cross Section

99-Es-252
-82.25 To 9999. %



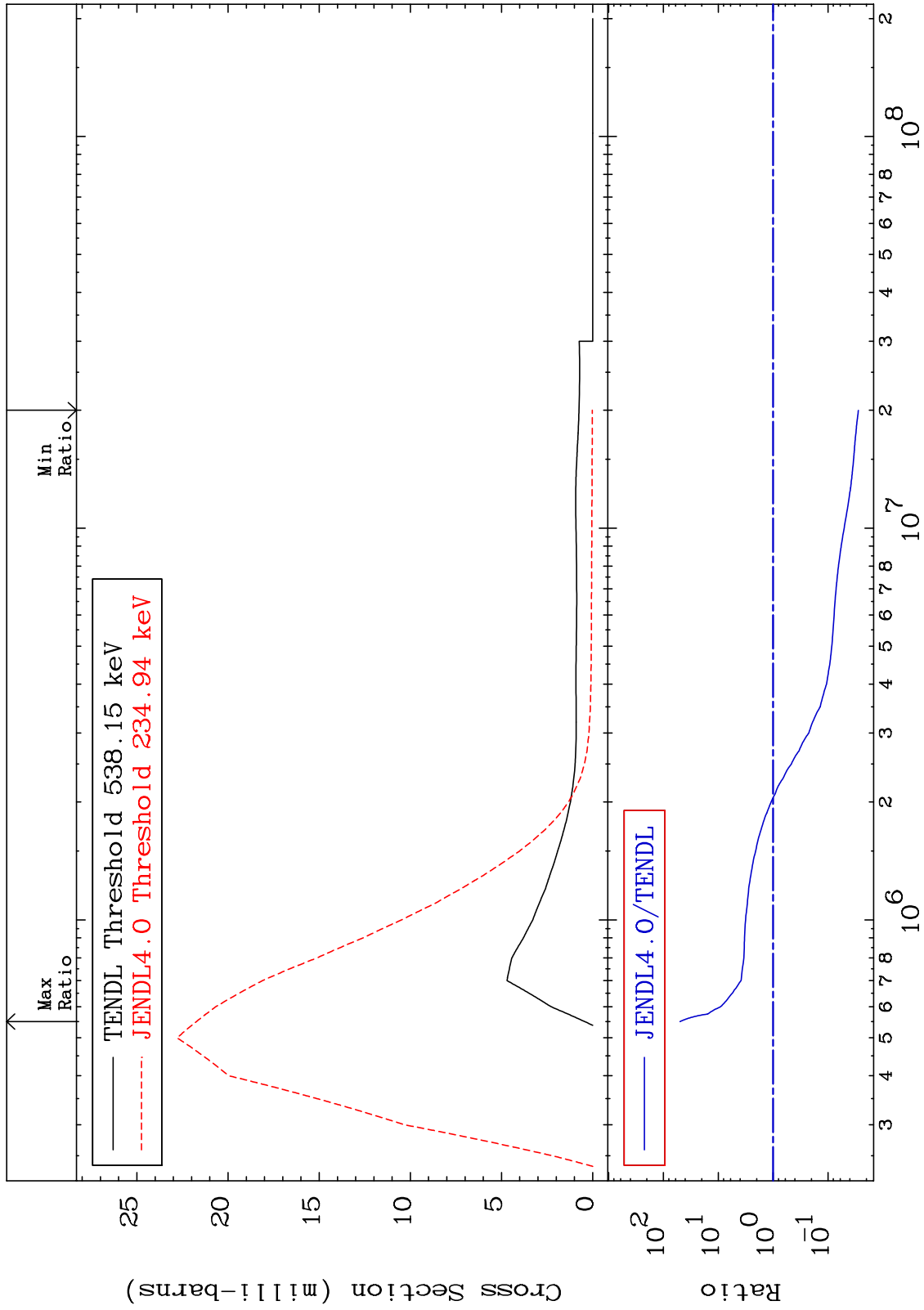
MAT 9912 MT= 55 (n,n') Level Cross Section 99-Es-252 To 9999. %
 1.057



MAT 9912

MT= 56 (n,n') Level
Cross Section

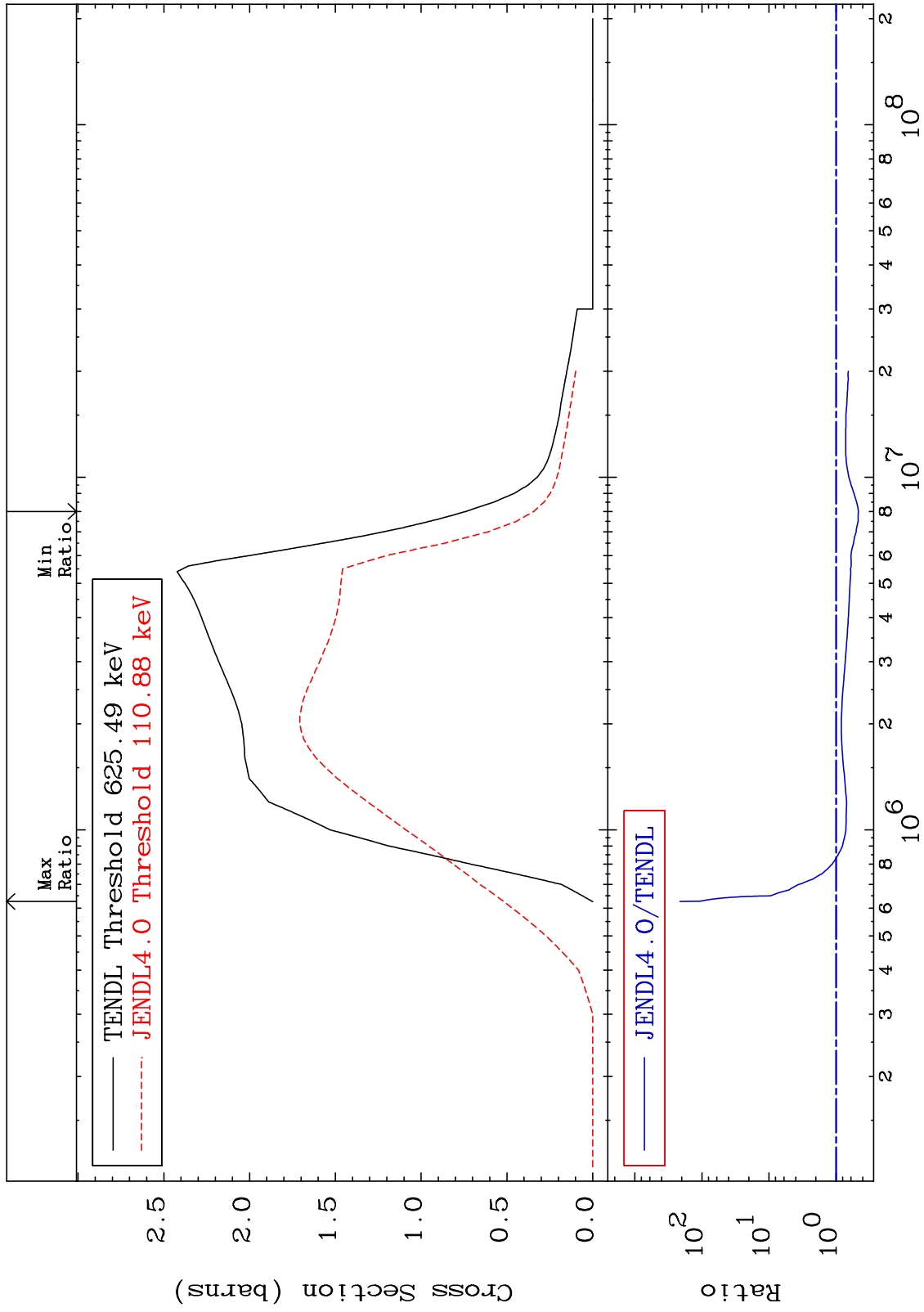
99-Es-252
-97.21 To 4881. %



MAT 9912

(n,n') Continuum
Cross Section

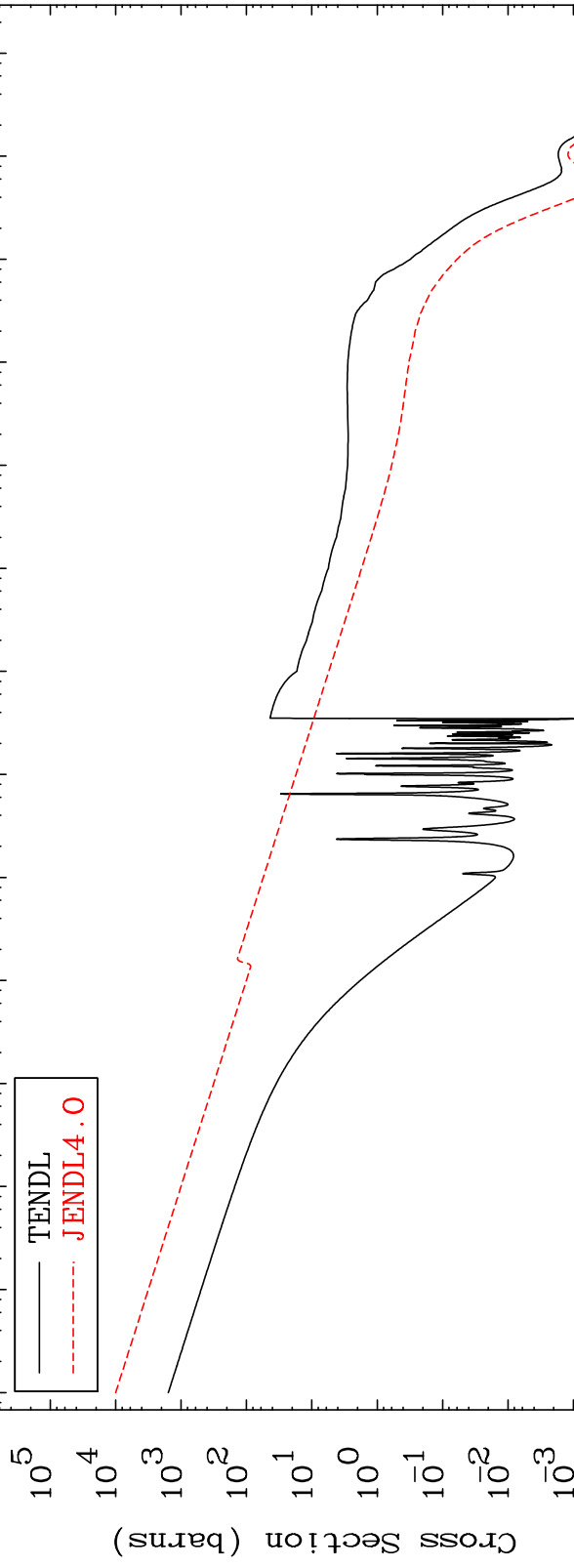
99-Es-252
-53.59 To 9999. %



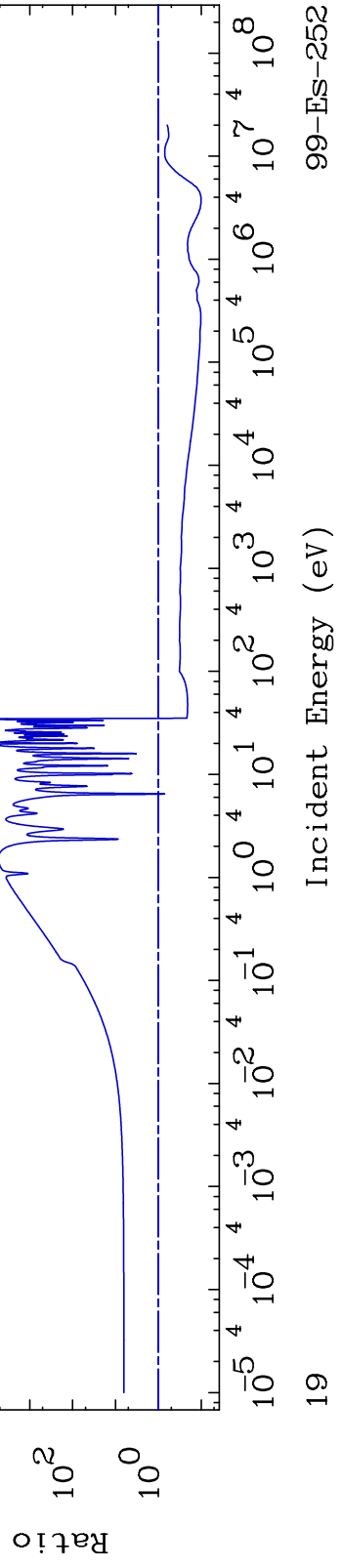
MAT 9912

(n, γ)
Cross Section

99-Es-252
-89.91 To 9999. %



JENDL4.0/TENDL

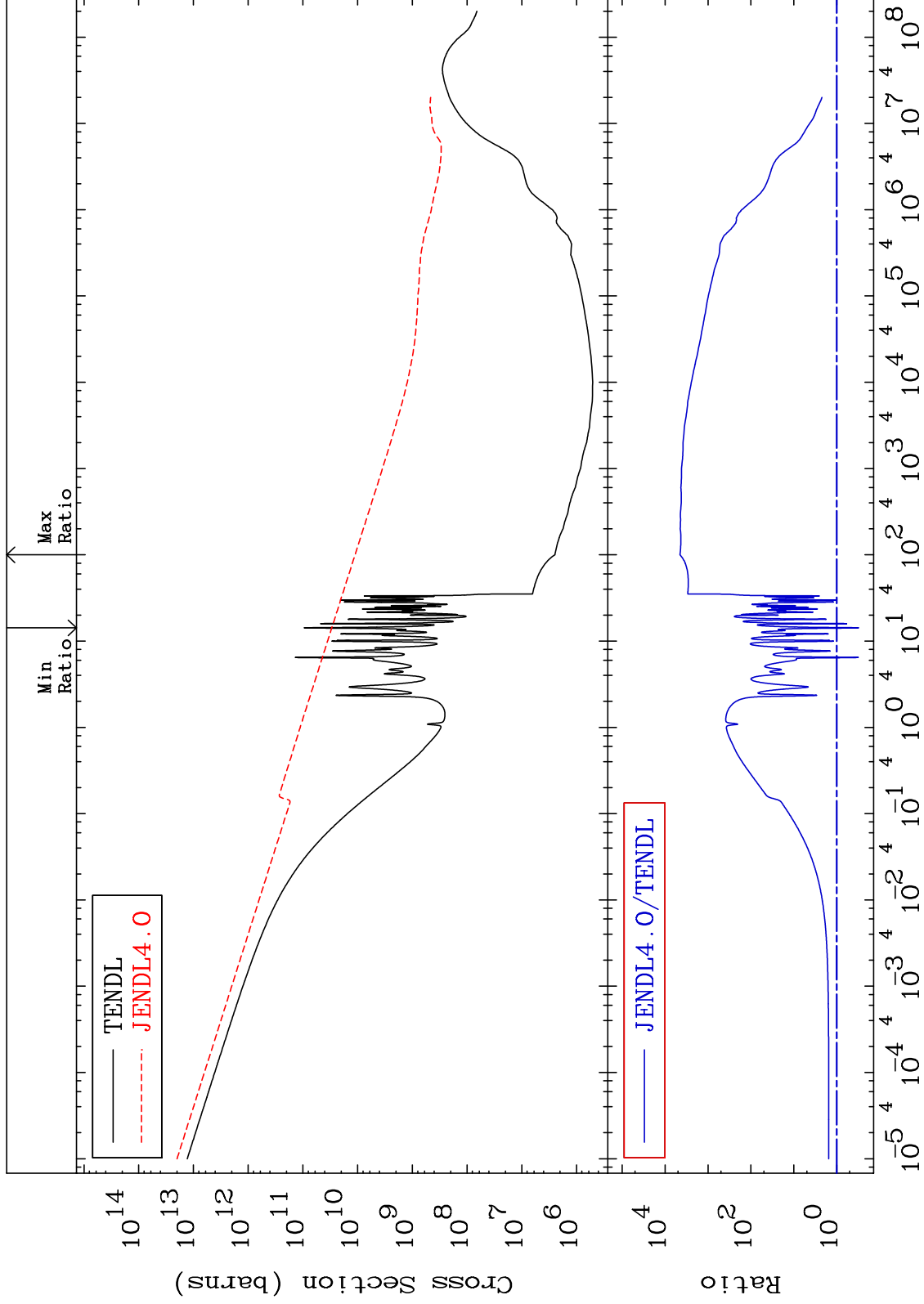


99-Es-252

MAT 9912

Kerma total (eV-barns)
Cross Section

99-Es-252
-68.61 To 9999. %



20

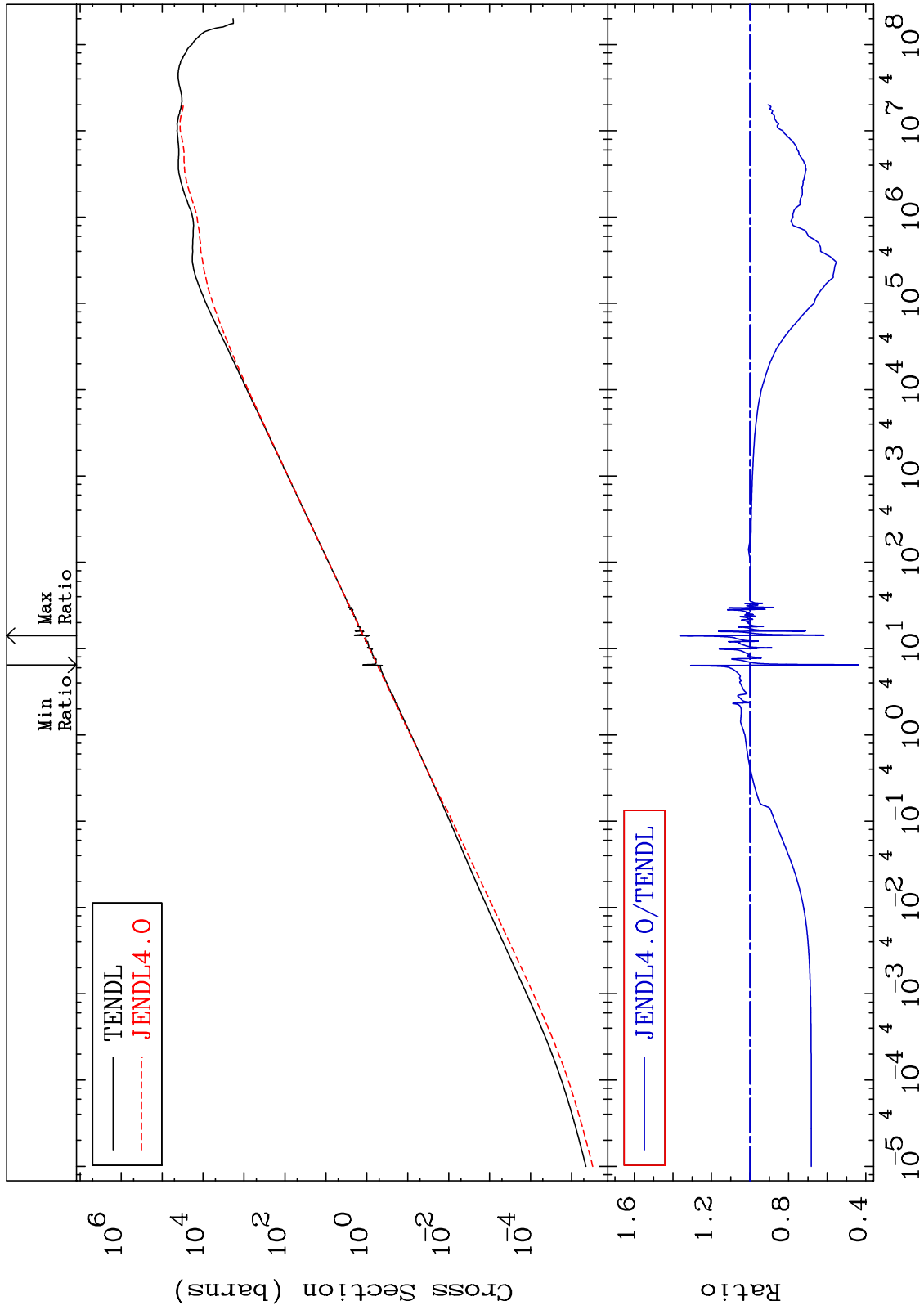
Incident Energy (eV)

99-Es-252

MAT 9912

Kerma elastic
Cross Section

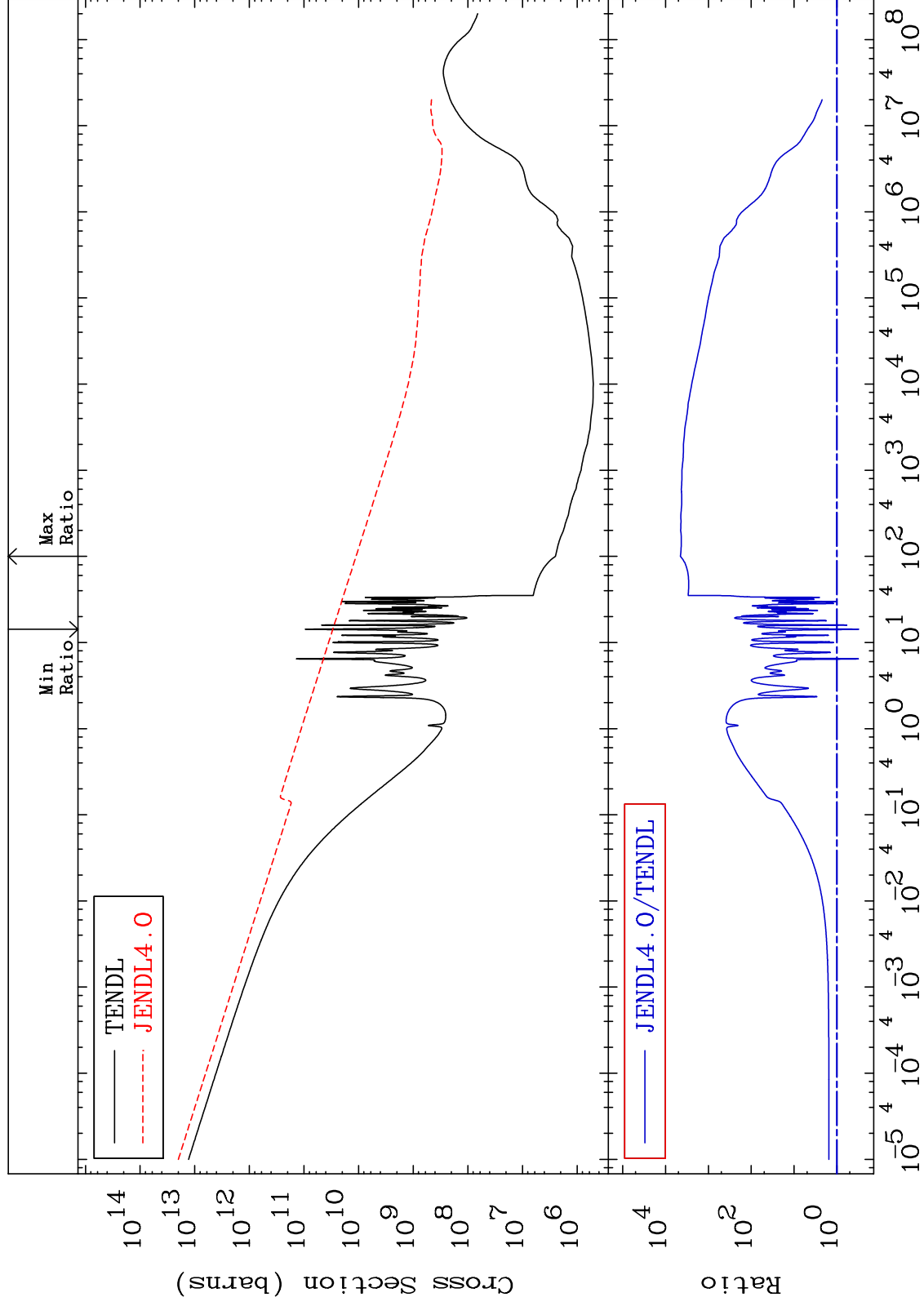
99-Es-252
-56.14 To 36.29 %



MAT 9912

Kerma non-elastic (all but mt2)
Cross Section

99-Es-252
-68.61 To 9999. %



22

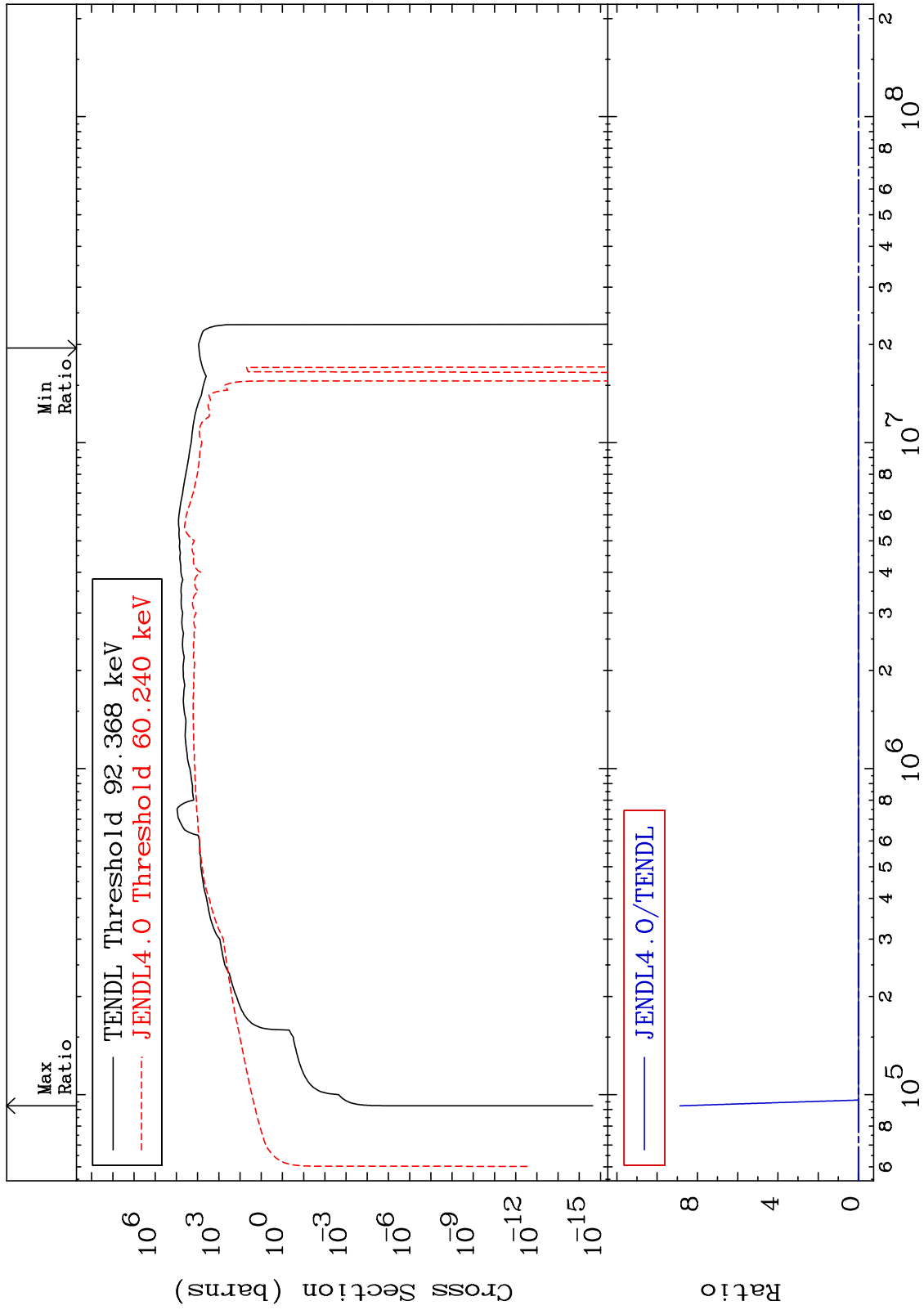
Incident Energy (eV)

99-Es-252

MAT 9912

Kerma inelastic (mt51-91)
Cross Section

99-Es-252
-146.9 To 9999. %



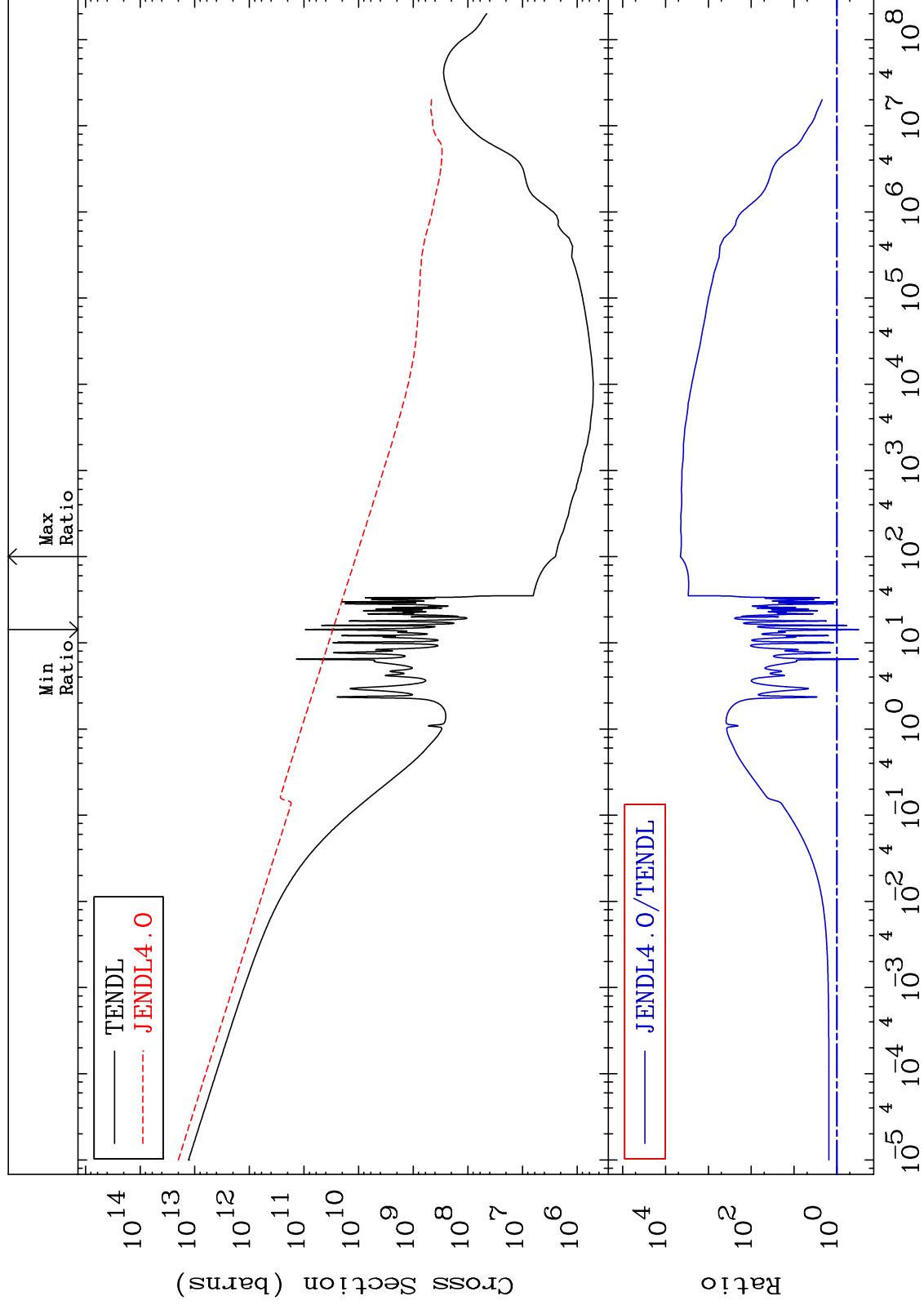
MAT 9912

Kerma fission (mt18 or mt19-20-21-38)

99-Es-252

-68.61 To 9999. %

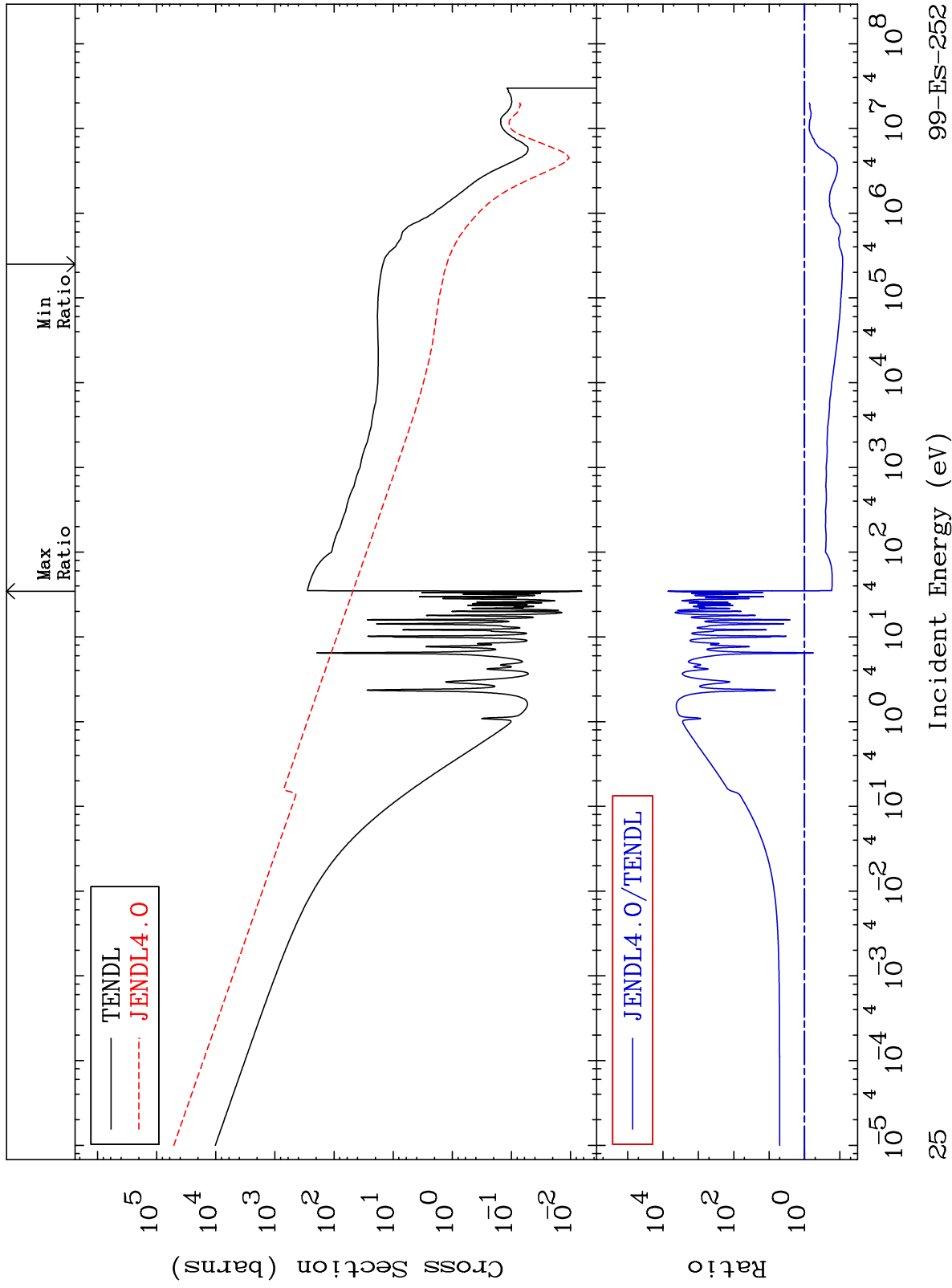
Cross Section



MAT 9912

Kerma capture (mt102)
Cross Section

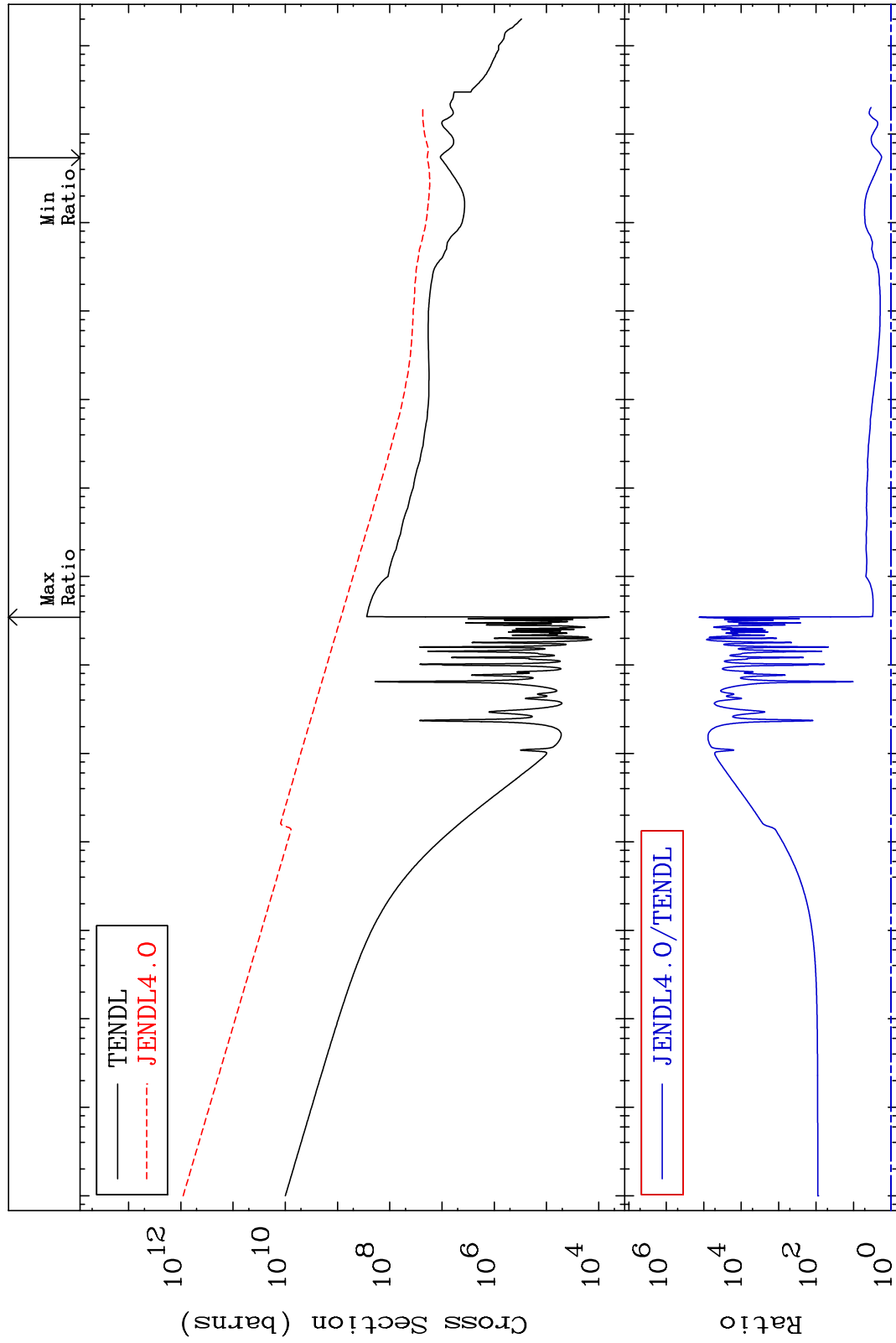
99-Es-252
-91.69 To 9999. %



MAT 9912

Total photon (eV-barns)
Cross Section

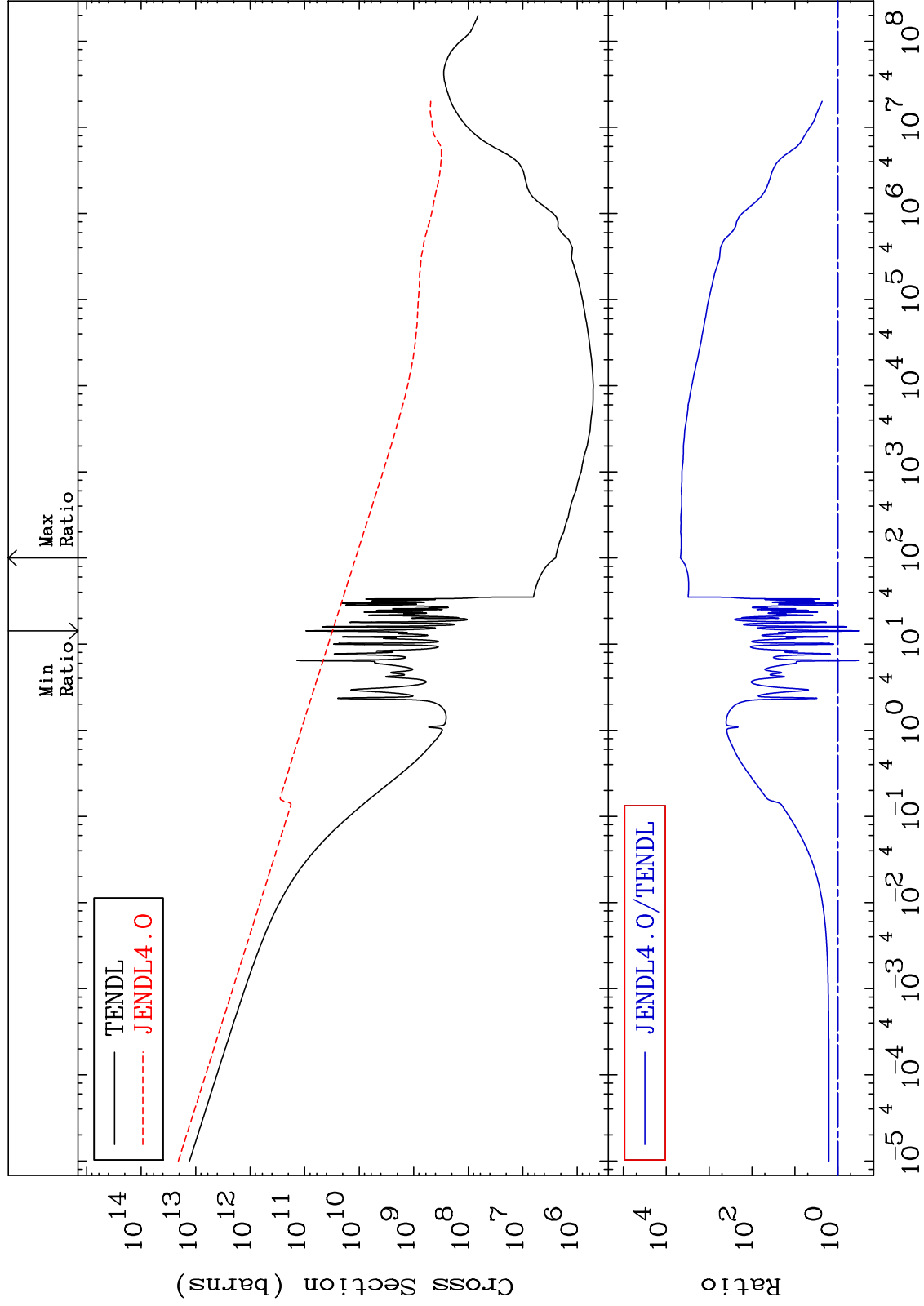
99-Es-252
78.74 To 9999. %



MAT 9912

Total kinematic kerma (high limit)
Cross Section

99-Es-252
-67.28 To 9999. %



27

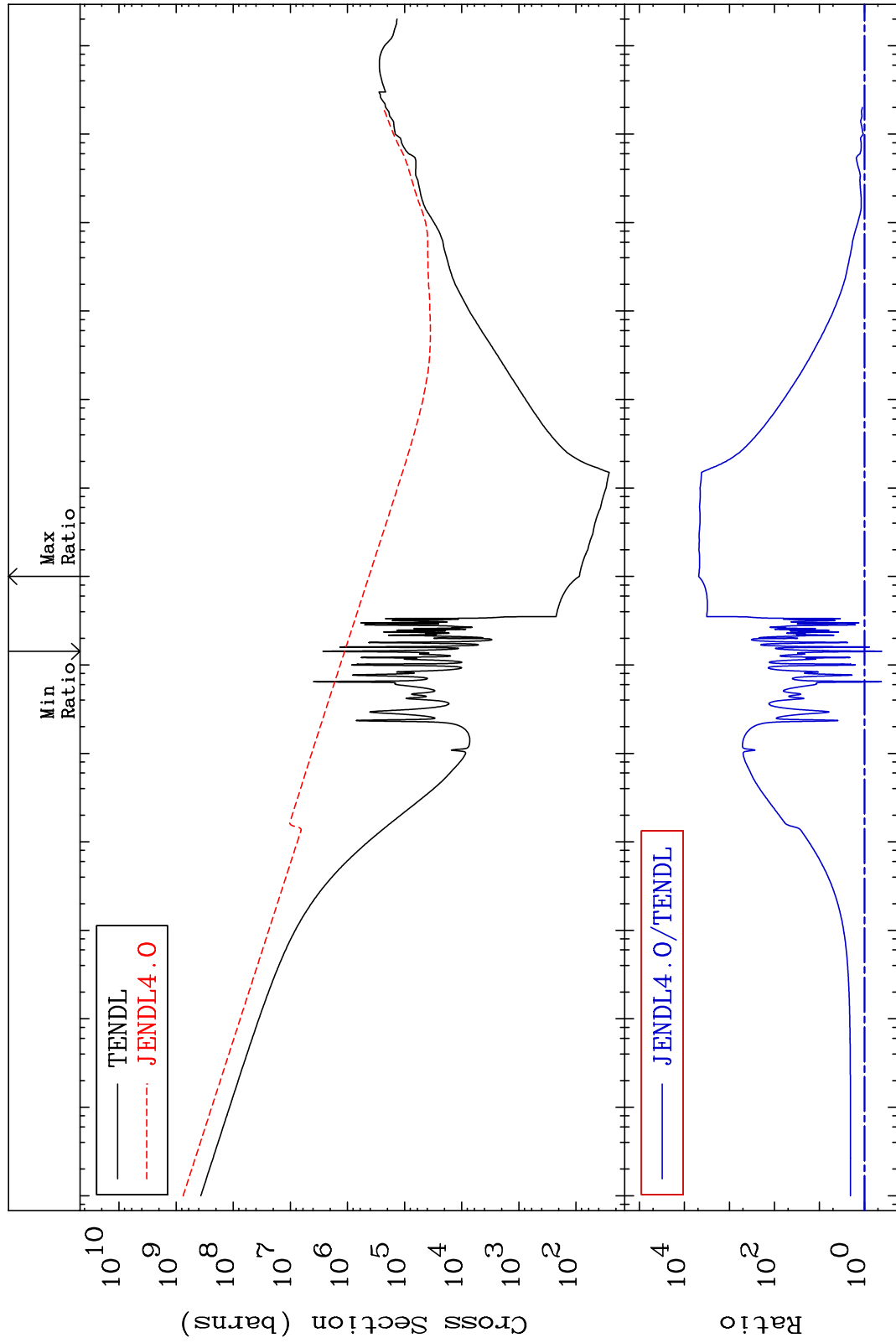
Incident Energy (eV)

99-Es-252

MAT 9912

Dpa total (eV-barns)

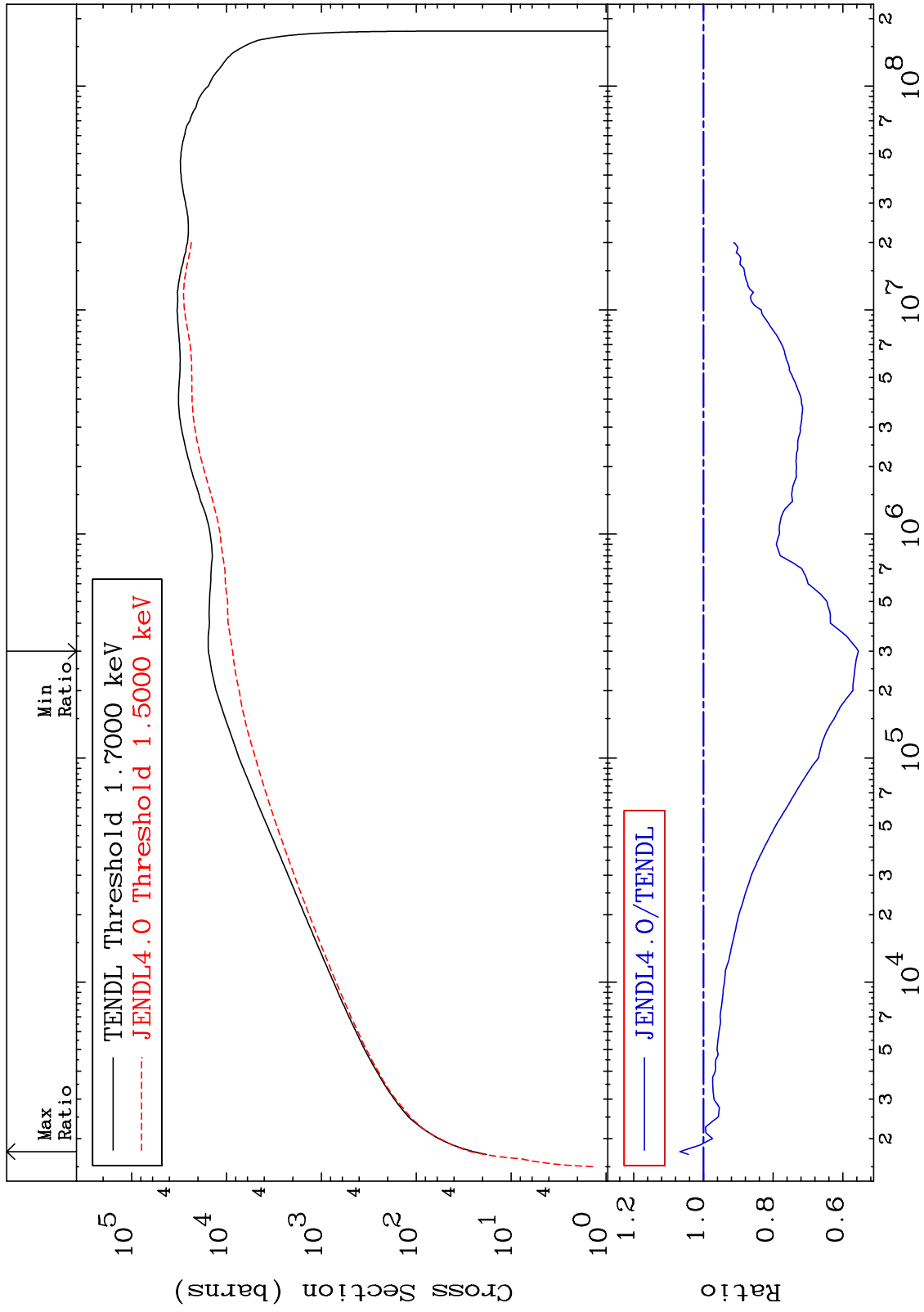
99-Es-252
-58.29 To 9999. %



MAT 9912

Dpa elastic (mt2)
Cross Section

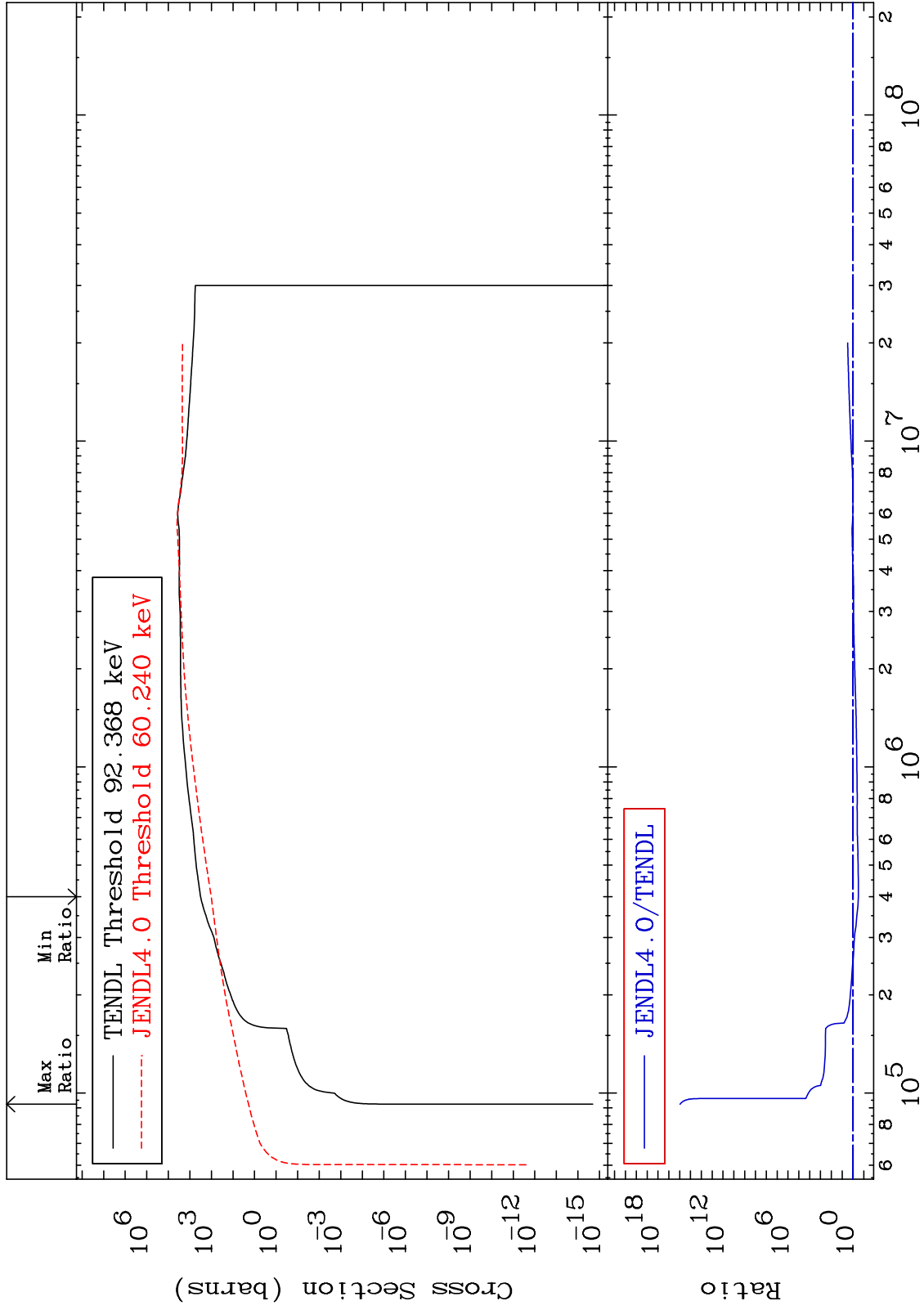
99-Es-252
-44.44 To 6.719 %



MAT 9912

Dpa inelastic (mt51-91)
Cross Section

99-Es-252
-68.19 To 9999. %



MAT 9912

Dpa disappearance (mt102 -120)
Cross Section

99-Es-252
-100.0 To 9999. %

