

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

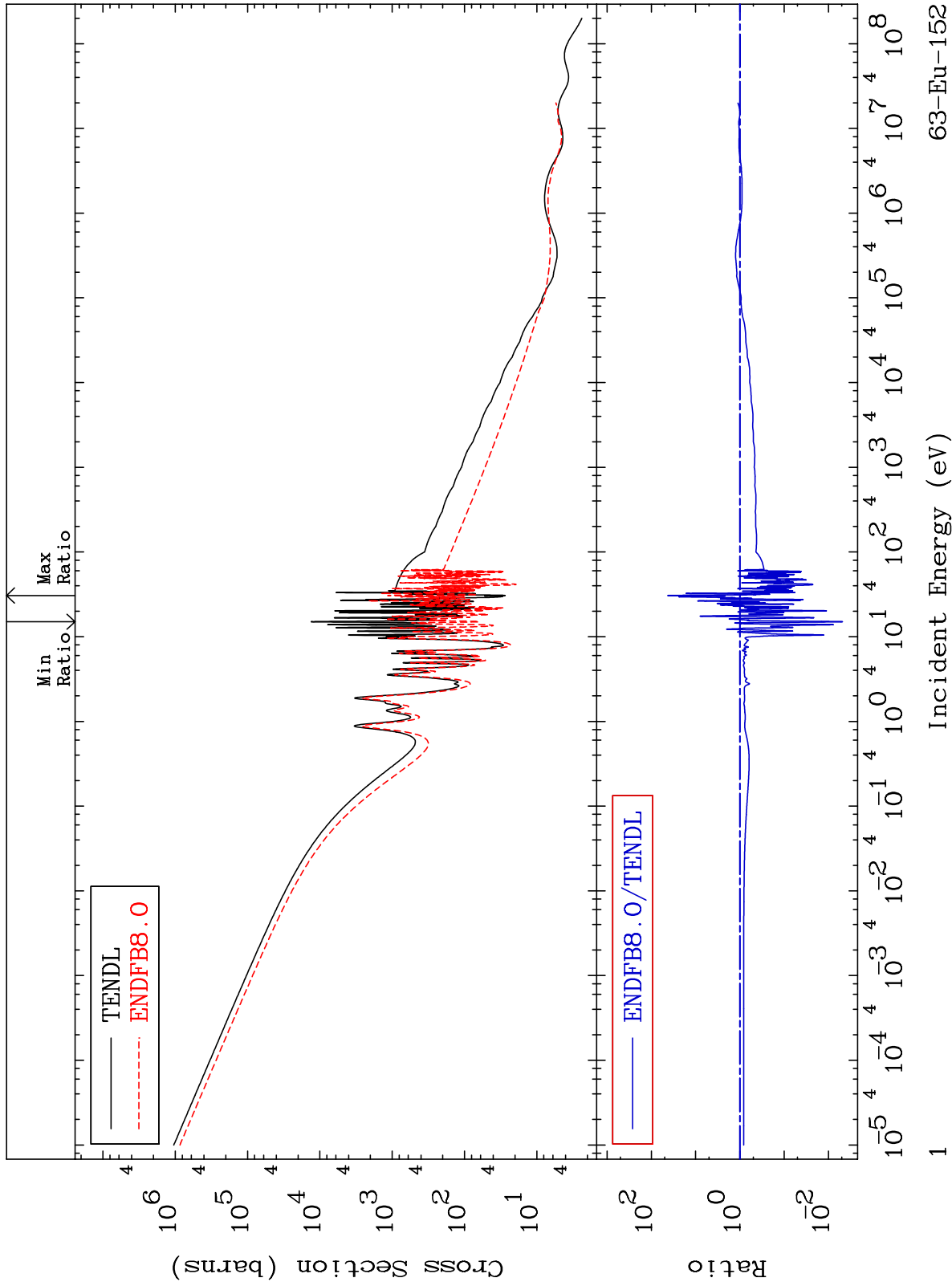
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6328

Total
Cross Section

63-Eu-152
-99.52 To 4206. %



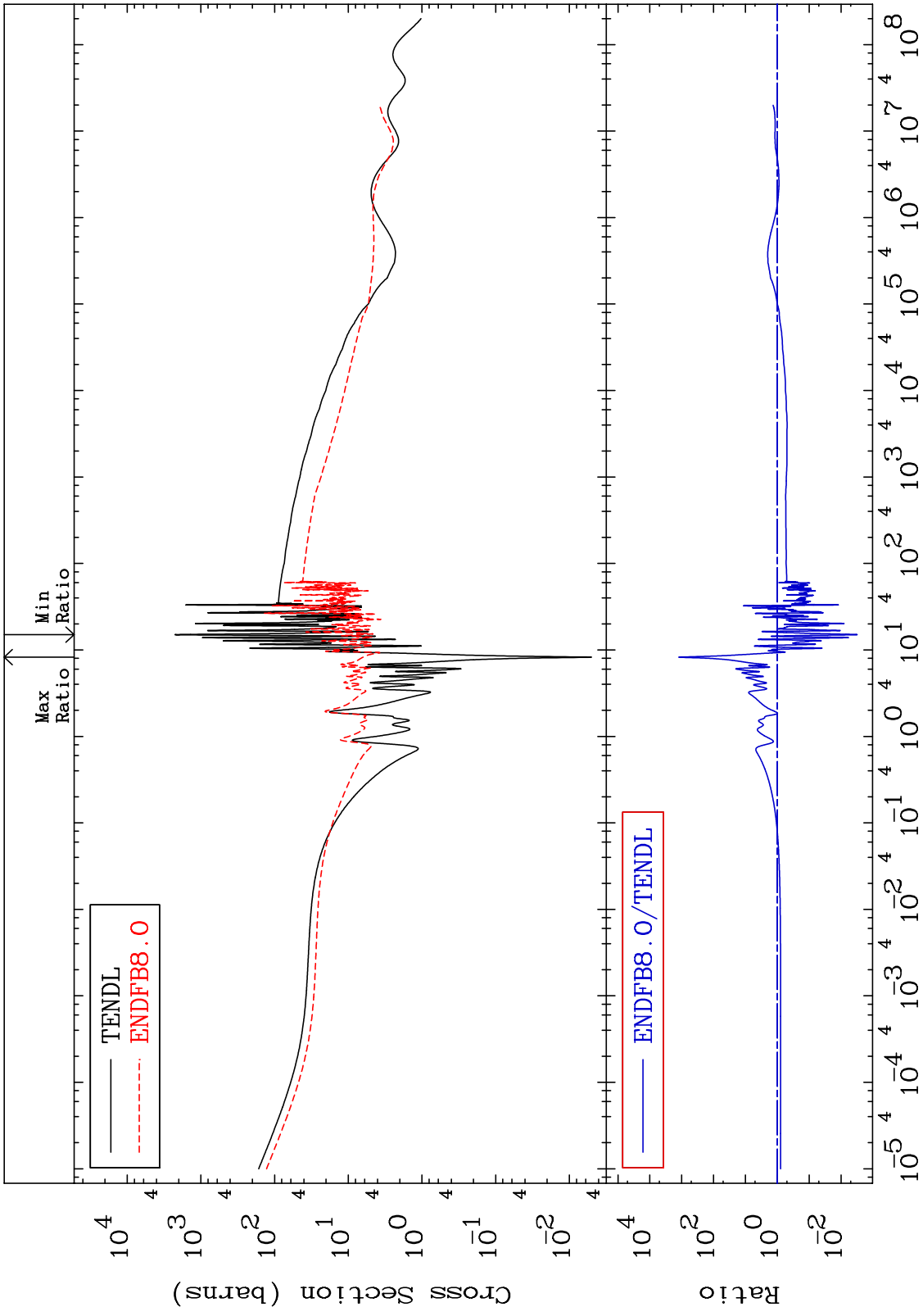
MAT 6328

Elastic

63-Eu-152

Cross Section

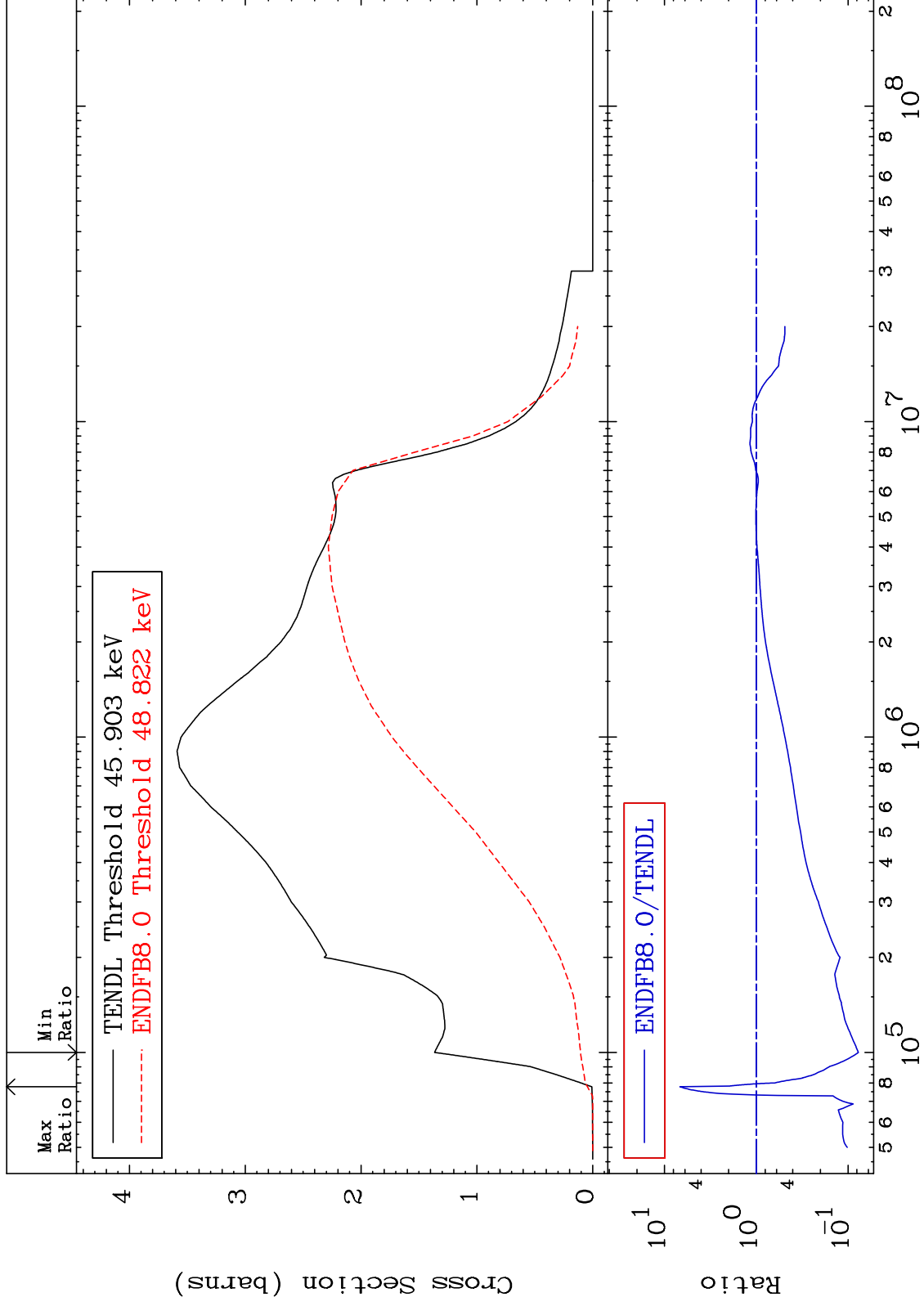
-99.69 To 9999. %



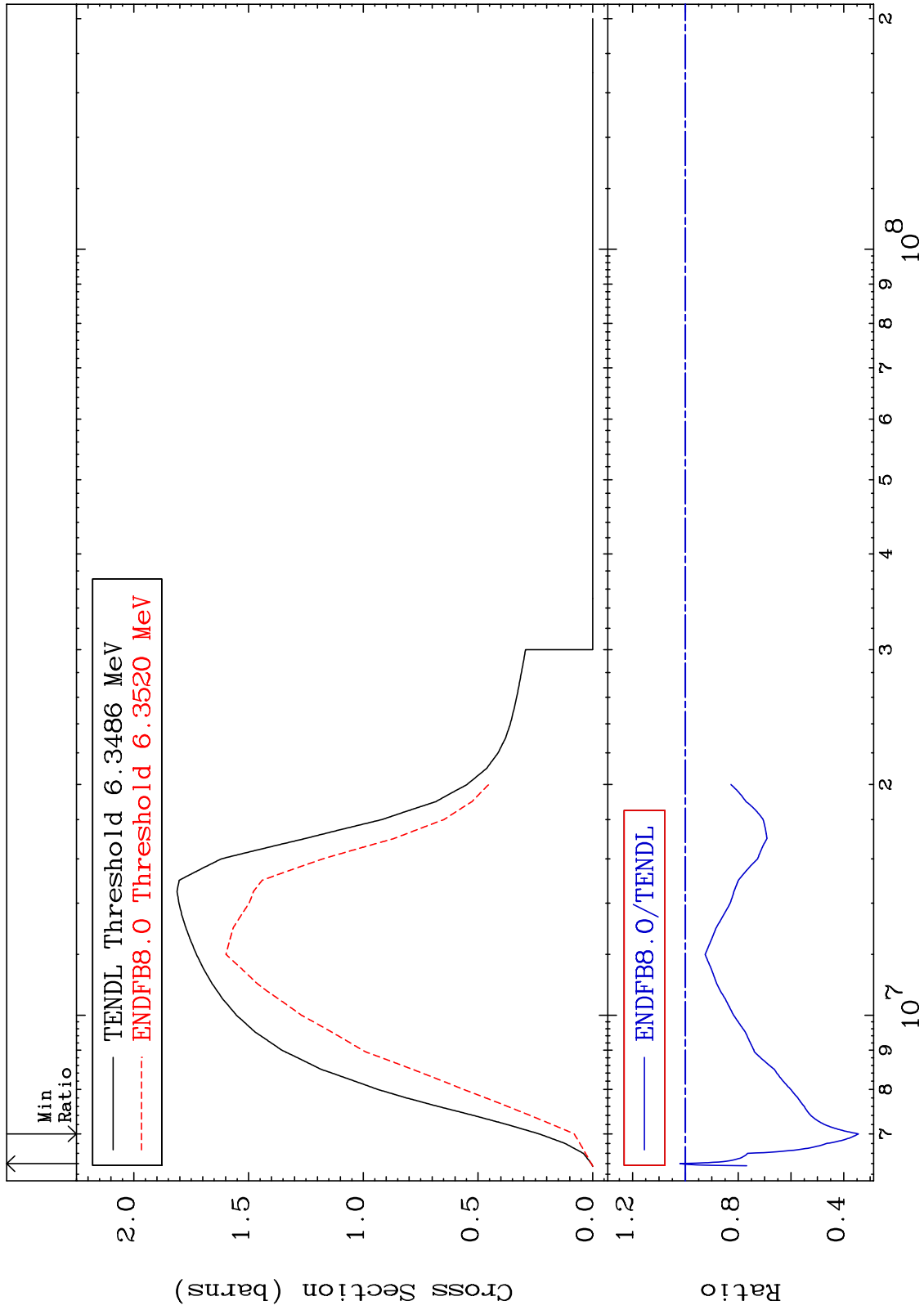
MAT 6328

Inelastic
Cross Section

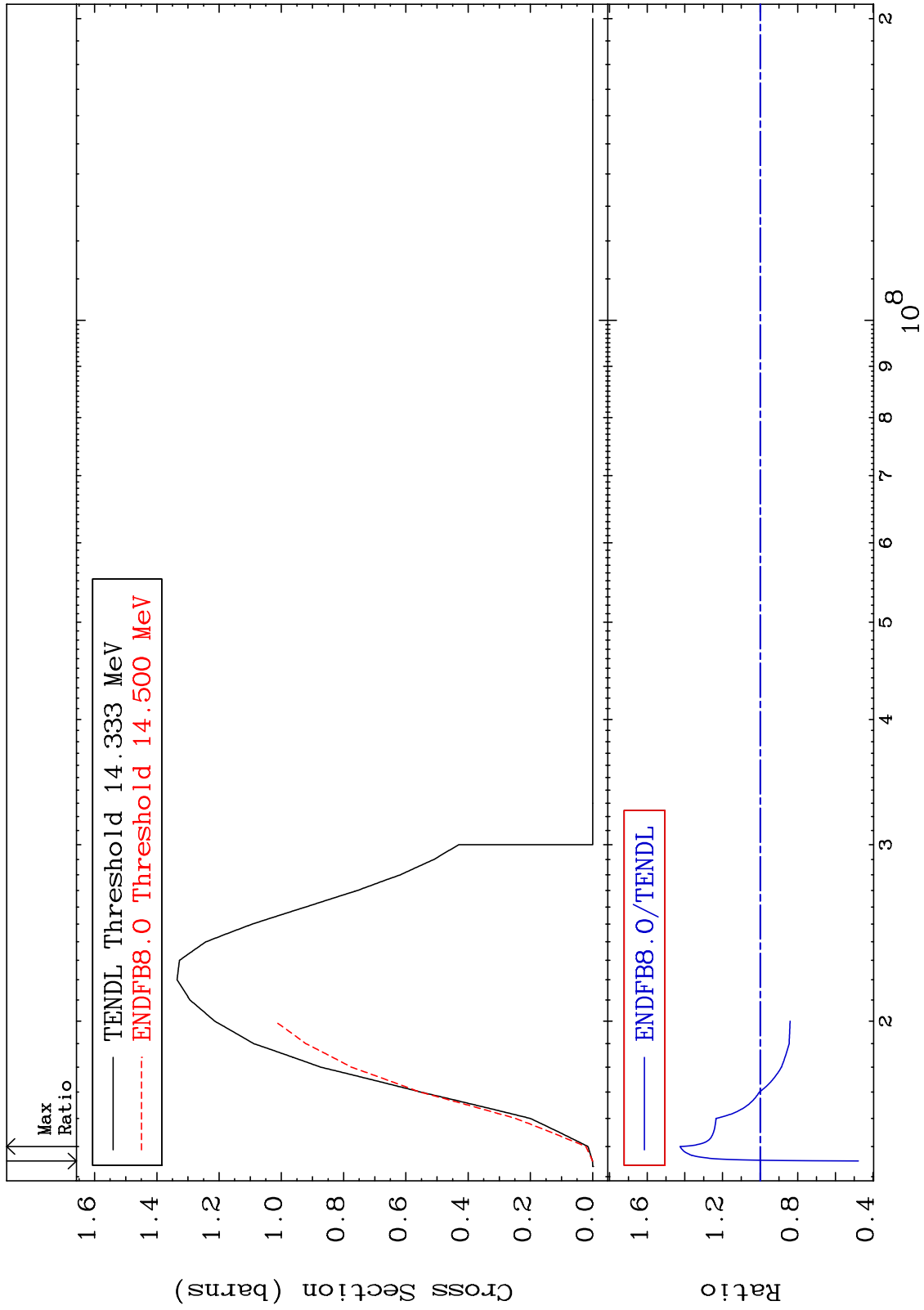
63-Eu-152
-92.29 To 578.6 %



MAT 6328 (n,2n) Cross Section 63-Eu-152 -65.53 To 2.042 %



MAT 6328 (n,3n) Cross Section 63-Eu-152 -52.22 To 42.56 %



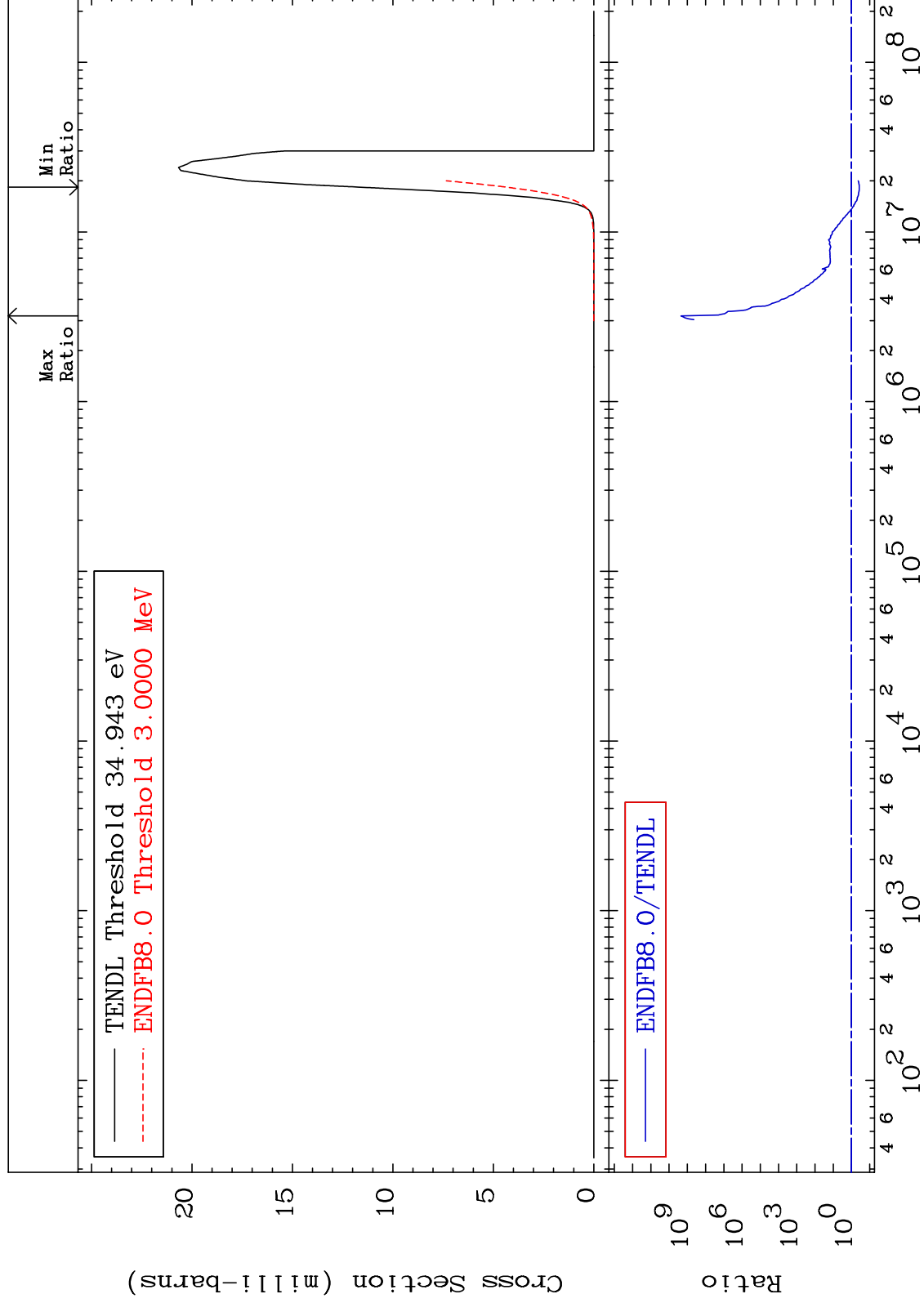
MAT 6328

(n,n') α

Cross Section

63-Eu-152

-62.72 To 9999. %



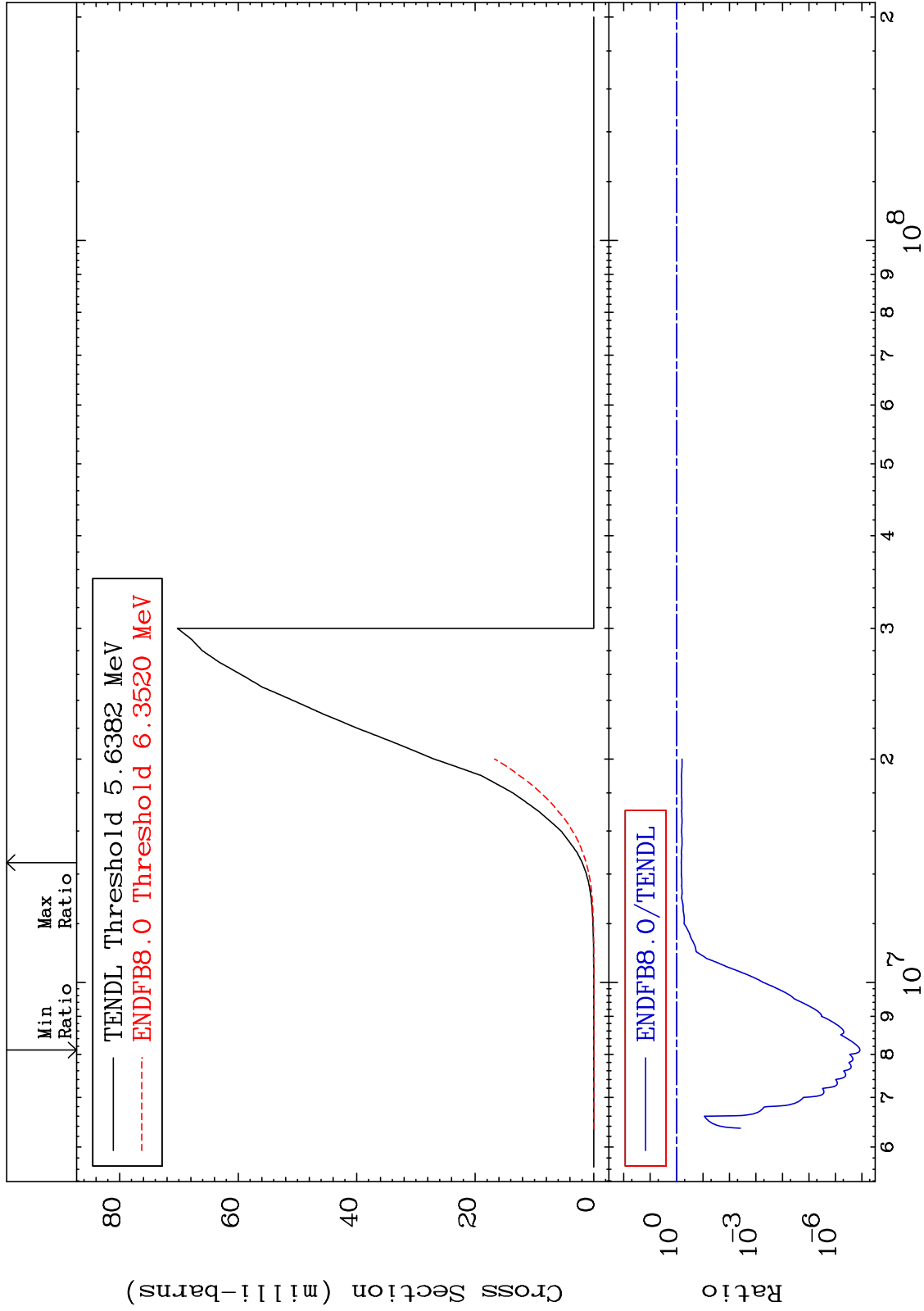
MAT 6328

(n, n') p

63-Eu-152

Cross Section

-100.0 To -32.83%



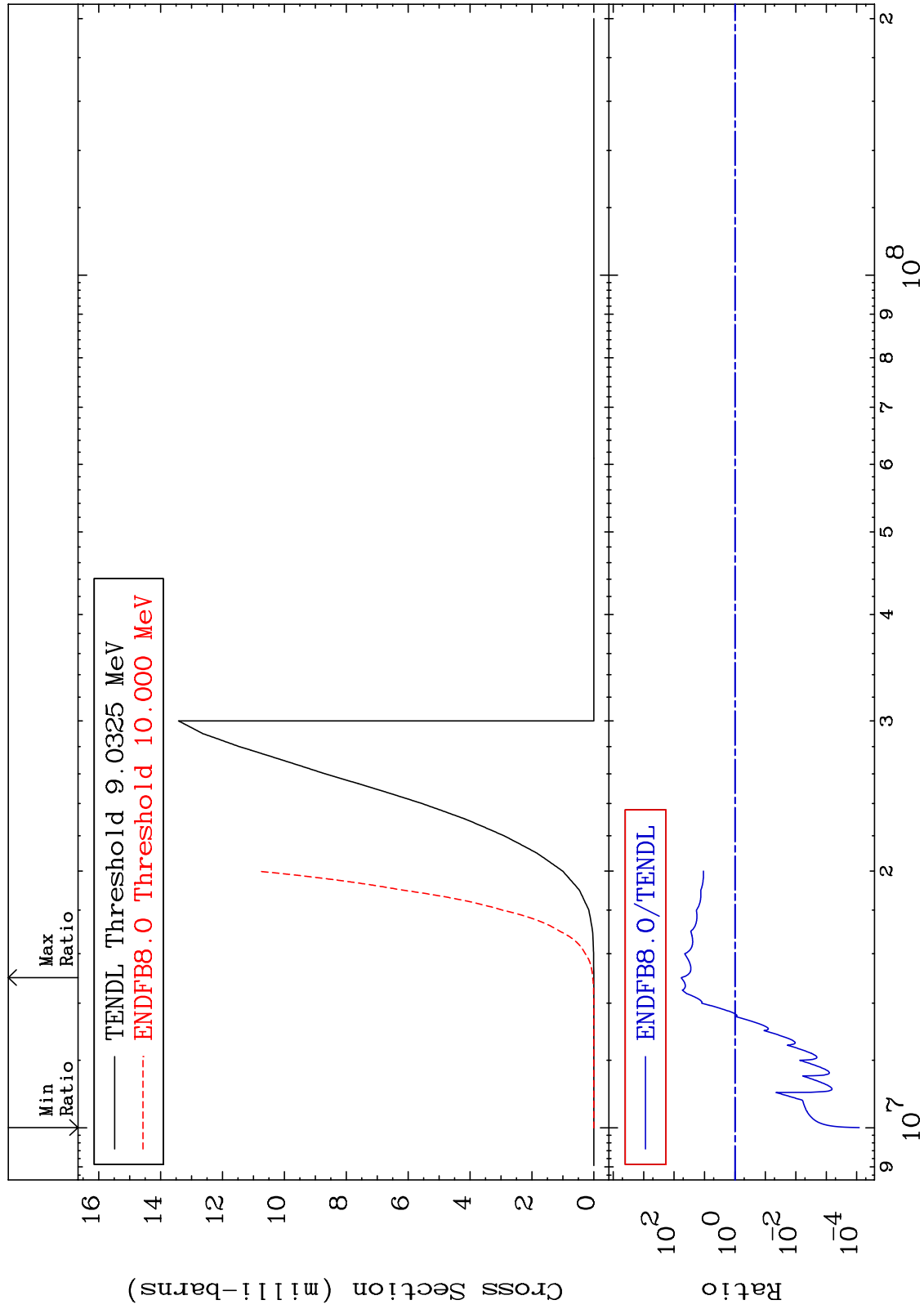
MAT 6328

(n,n') d

63-Eu-152

Cross Section

-99.99 To 5800. %



8

Incident Energy (eV)

63-Eu-152

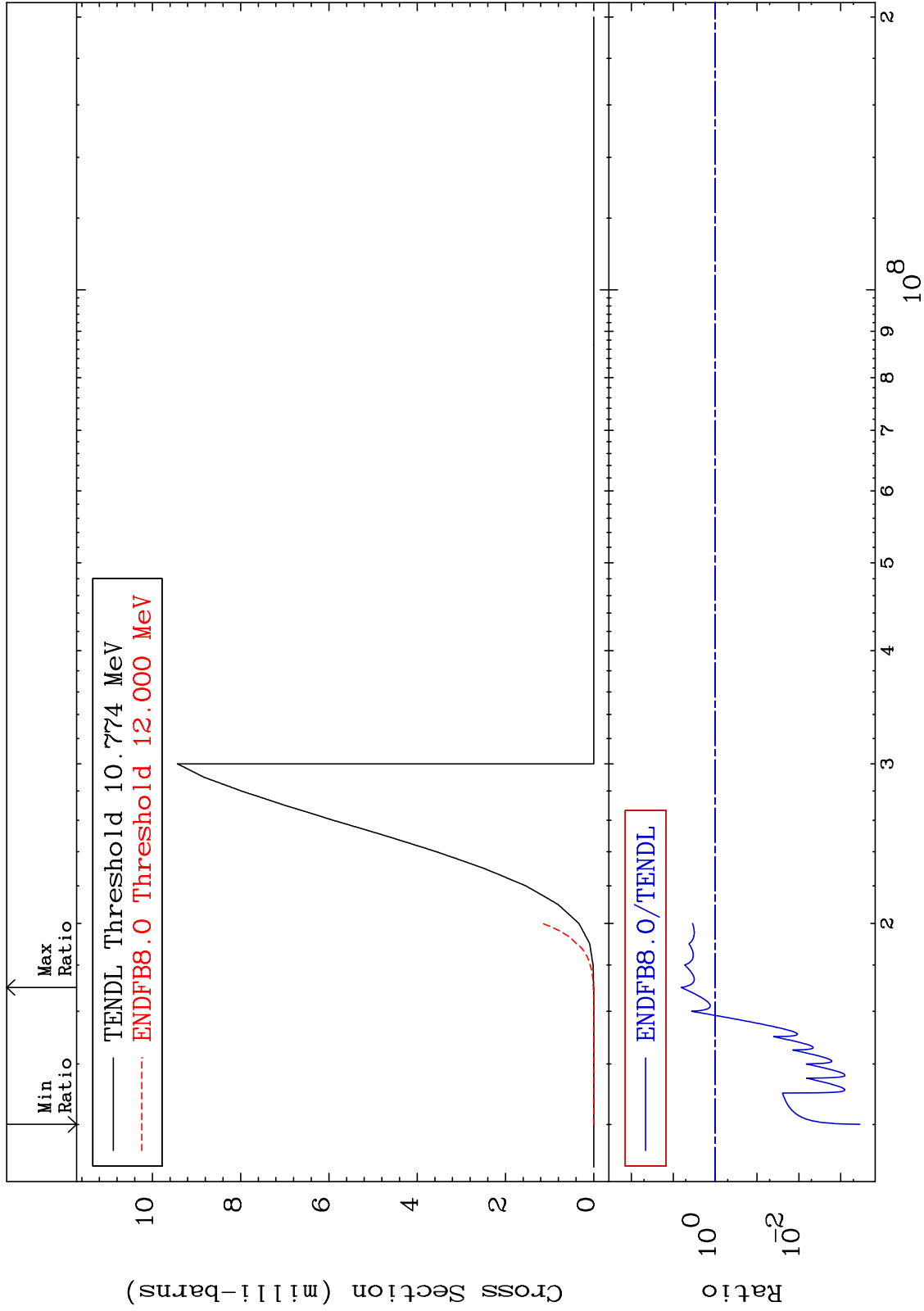
MAT 6328

(n,n') t

63-Eu-152

Cross Section

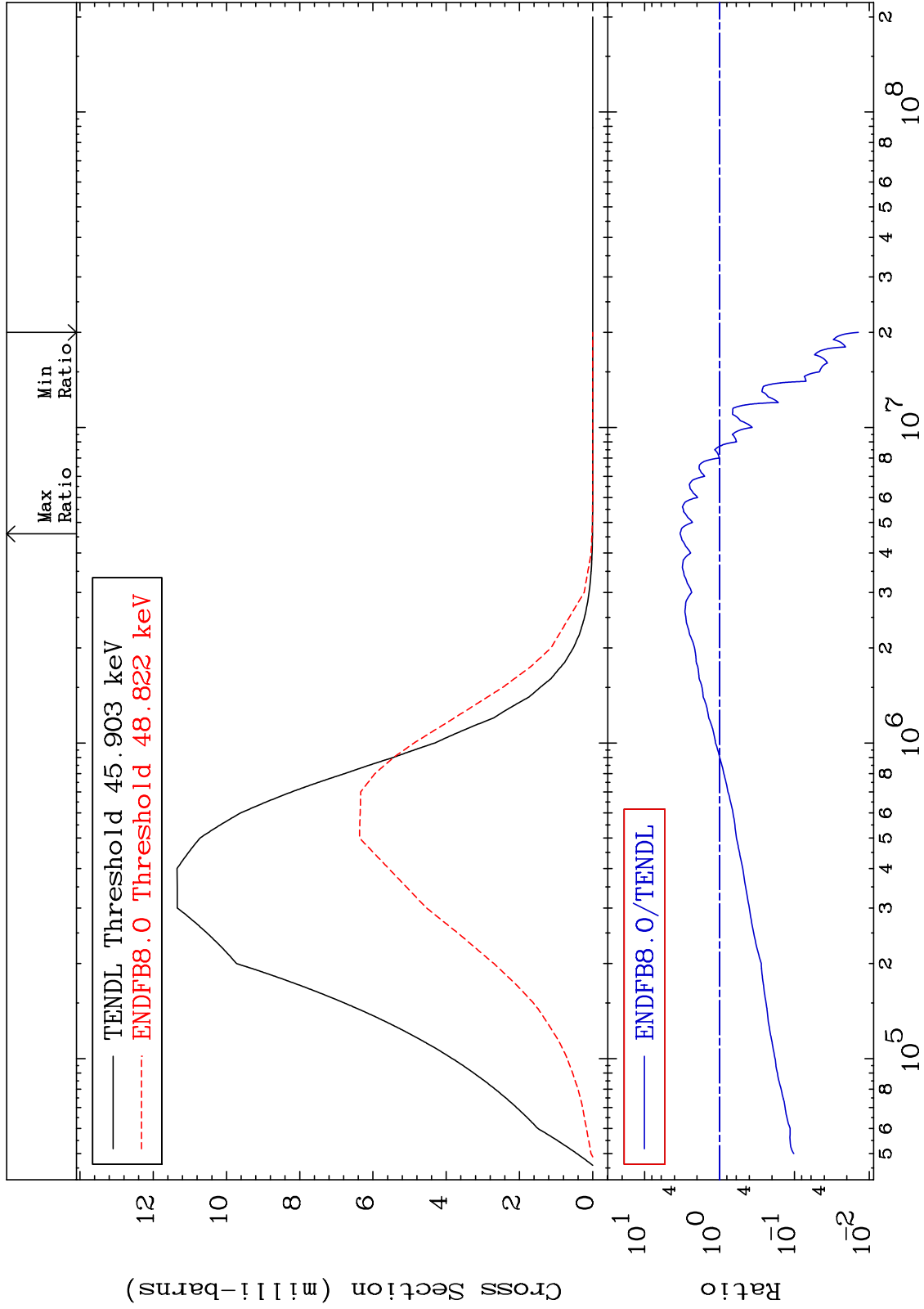
-99.97 To 543.8 %



MAT 6328

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

63-Eu-152
-98.60 To 237.2 %

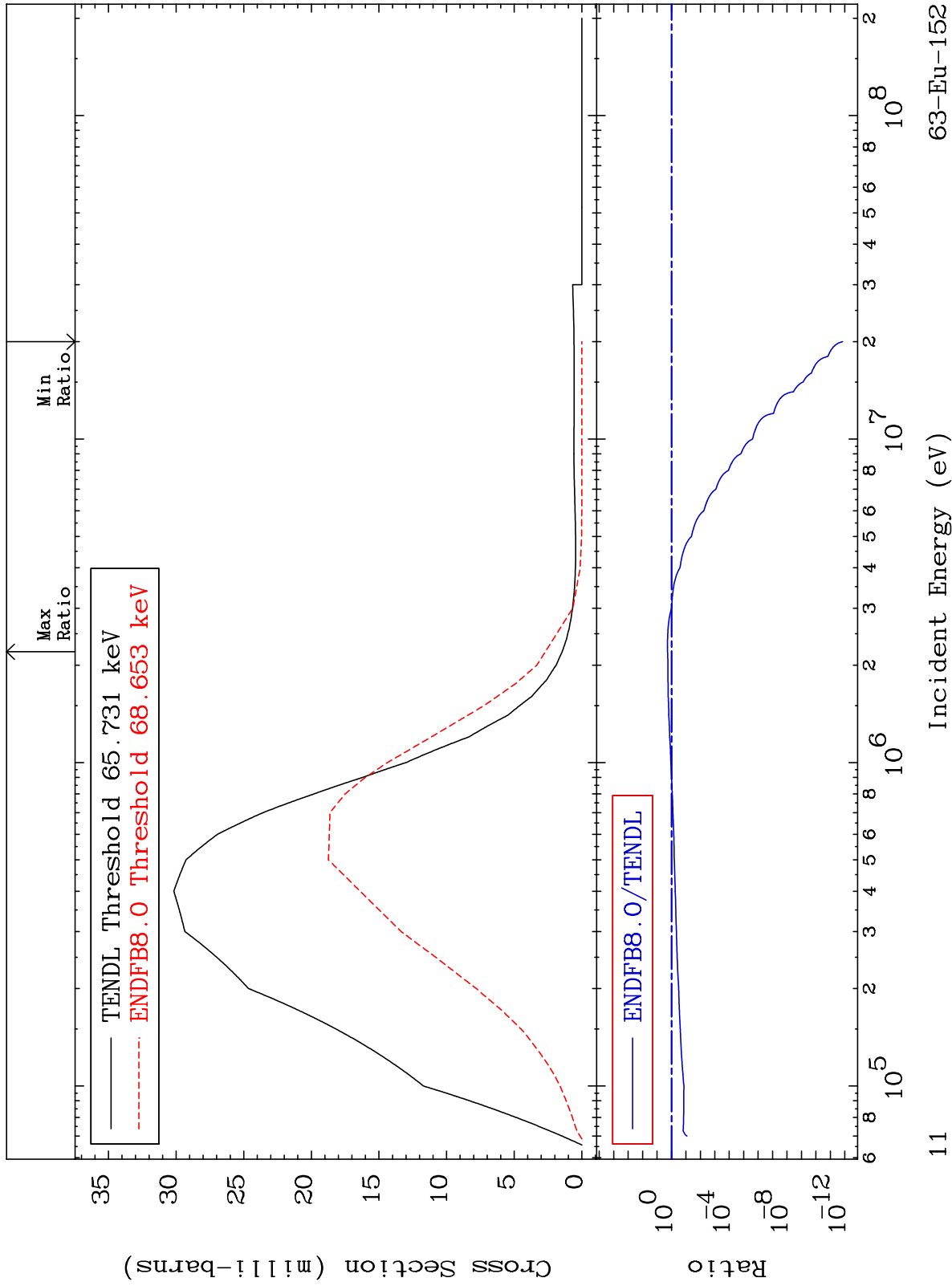


10

Incident Energy (eV)

63-Eu-152

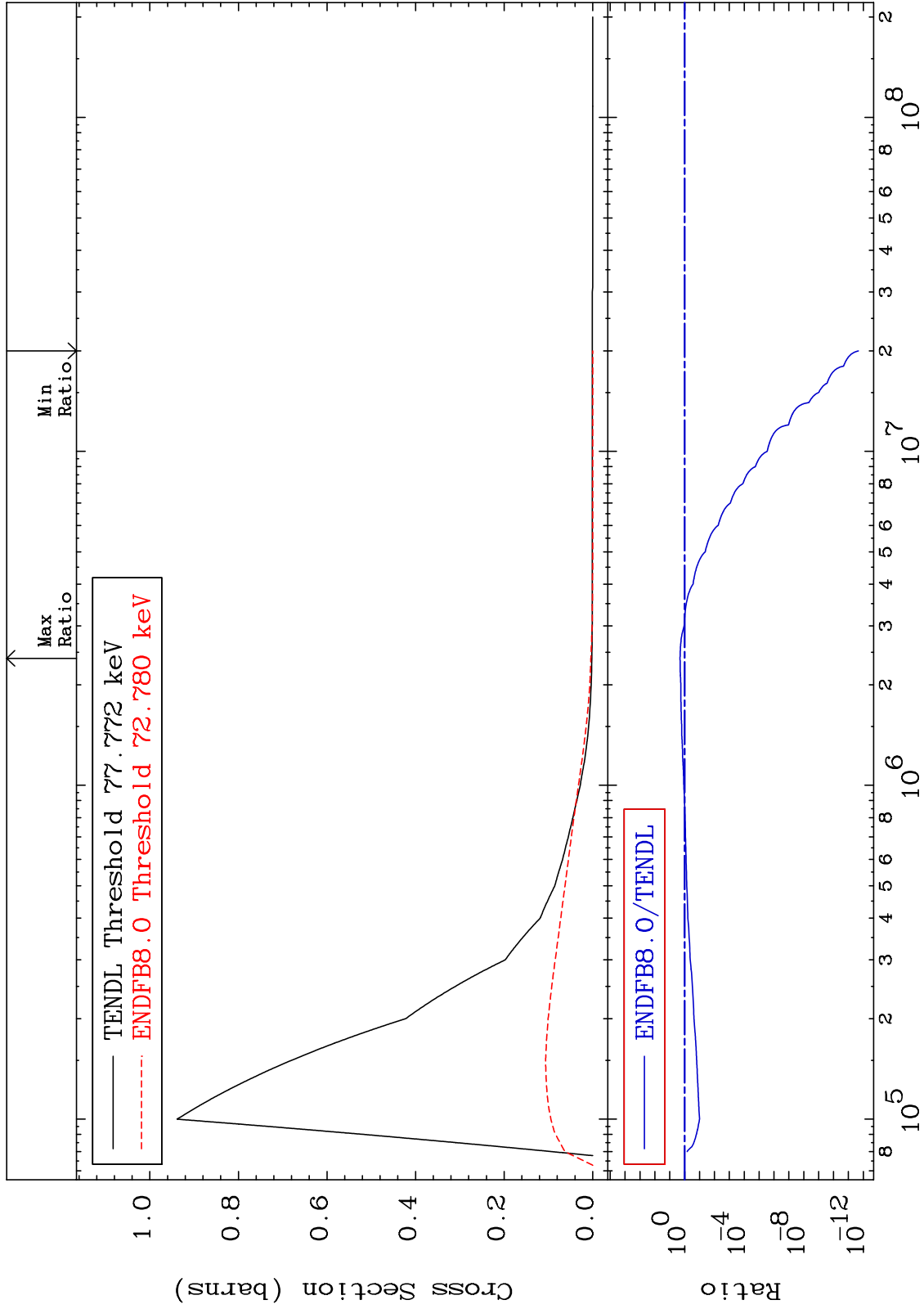
MAT 6328 MT= 52 (n,n') Level 63-Eu-152
 Cross Section -100.0 To 86.49 %



MAT 6328

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

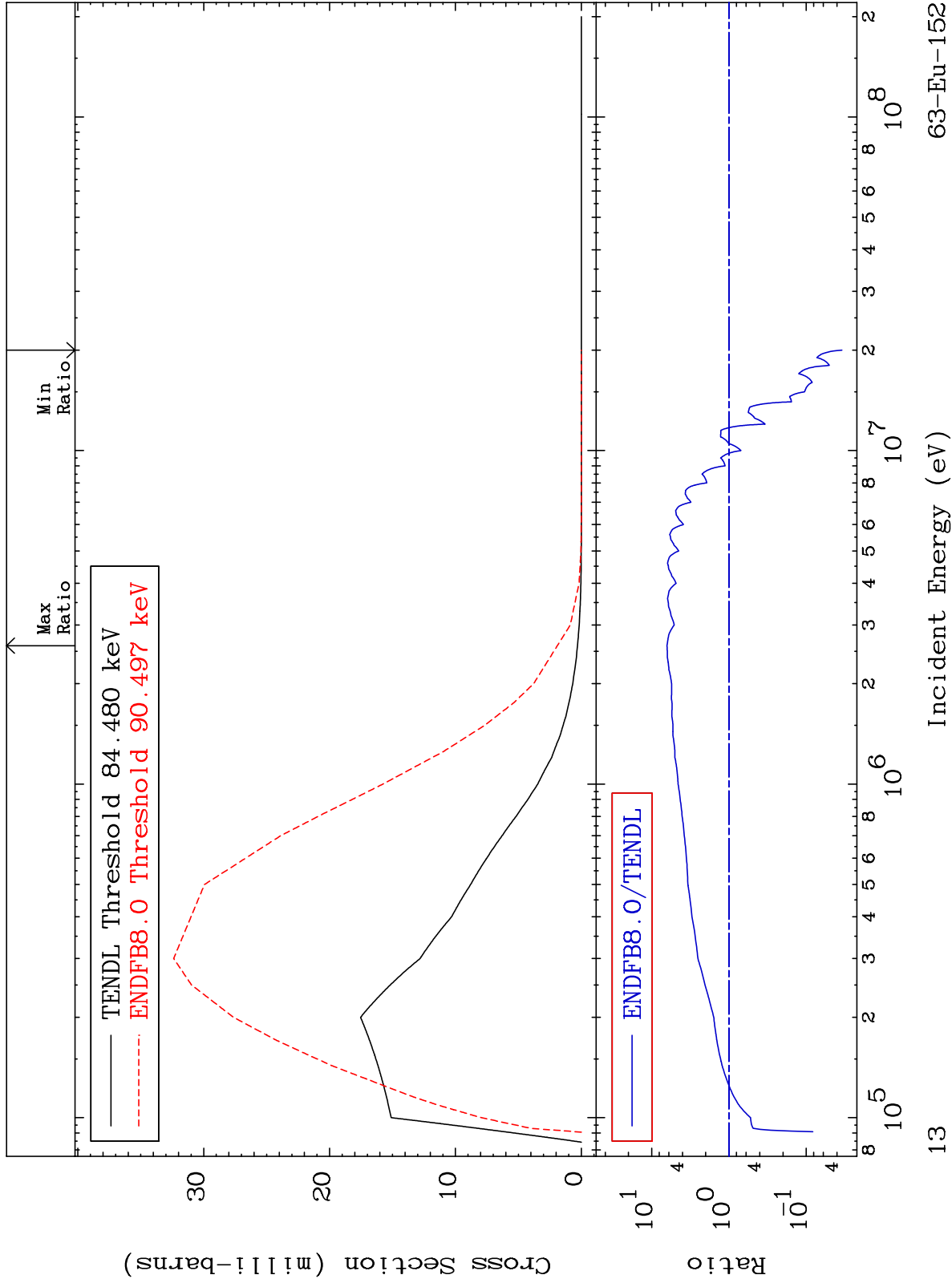
63-Eu-152
-100.0 To 104.4 %



MAT 6328

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

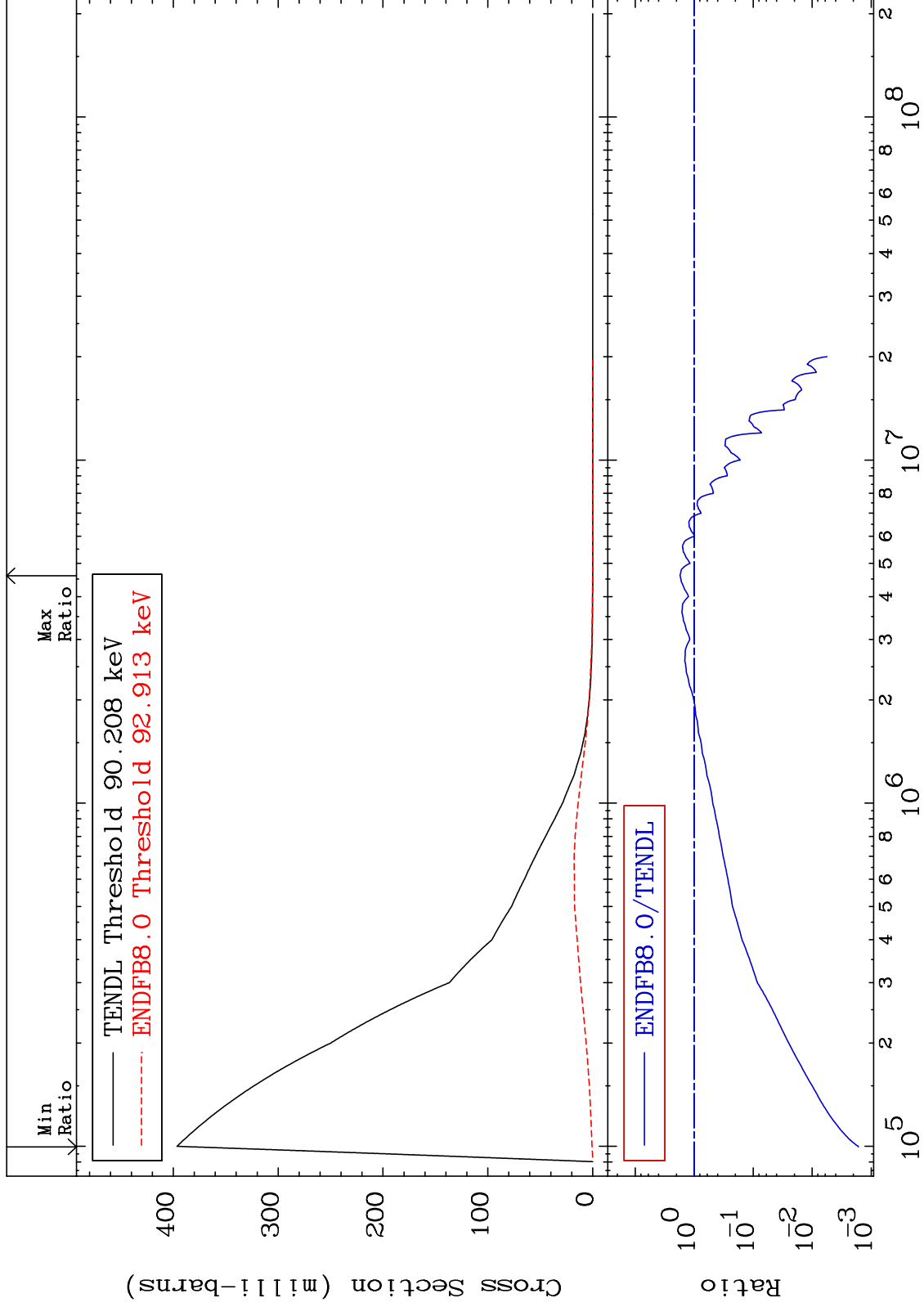
63-Eu-152
-96.55 To 534.5 %



MAT 6328

MT= 55 (n,n') Level
Cross Section

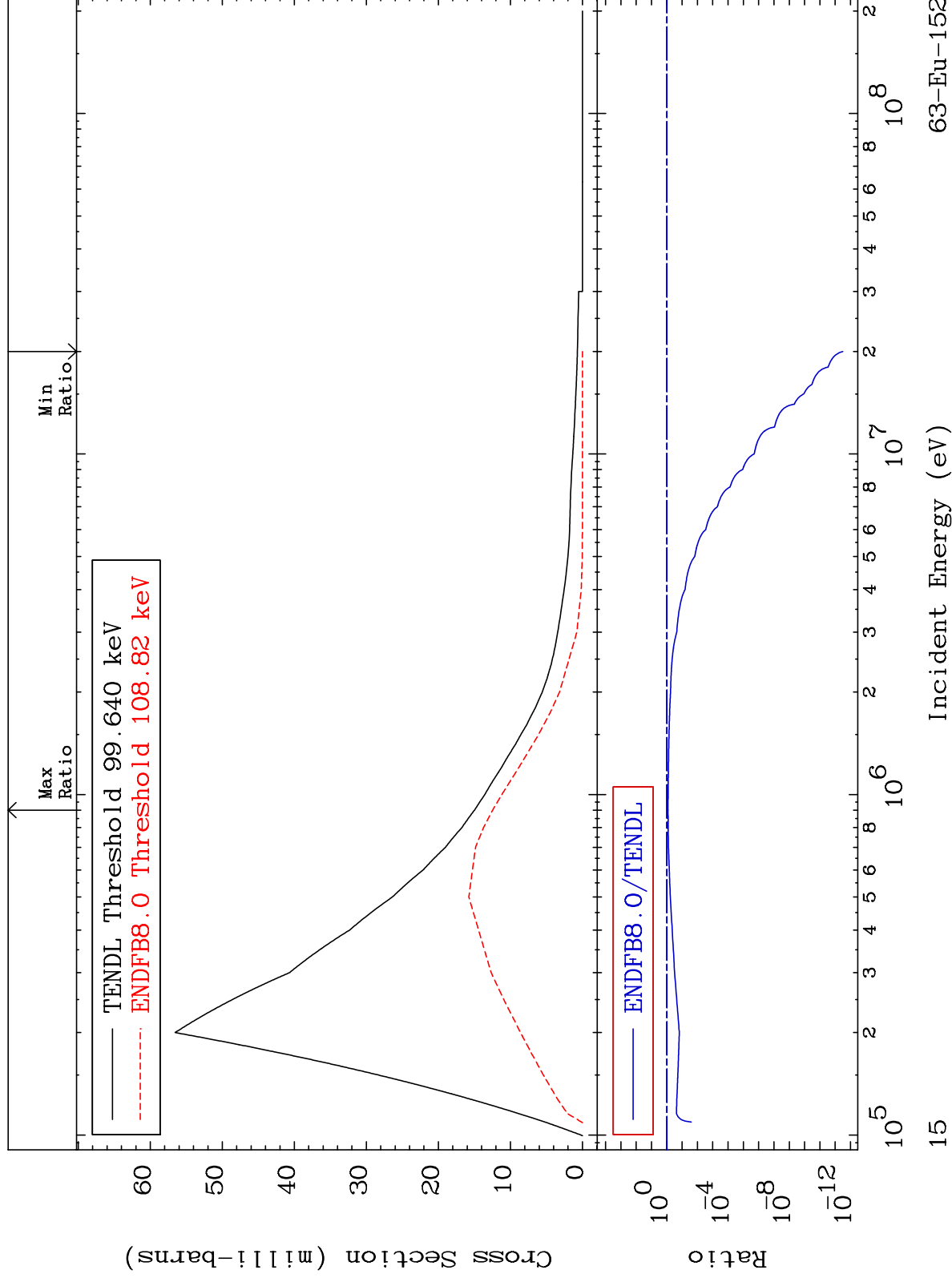
63-Eu-152
-99.84 To 73.64 %



MAT 6328

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

63-Eu-152
-100.0 To -16.86%



63-Eu-152

Incident Energy (eV)

15

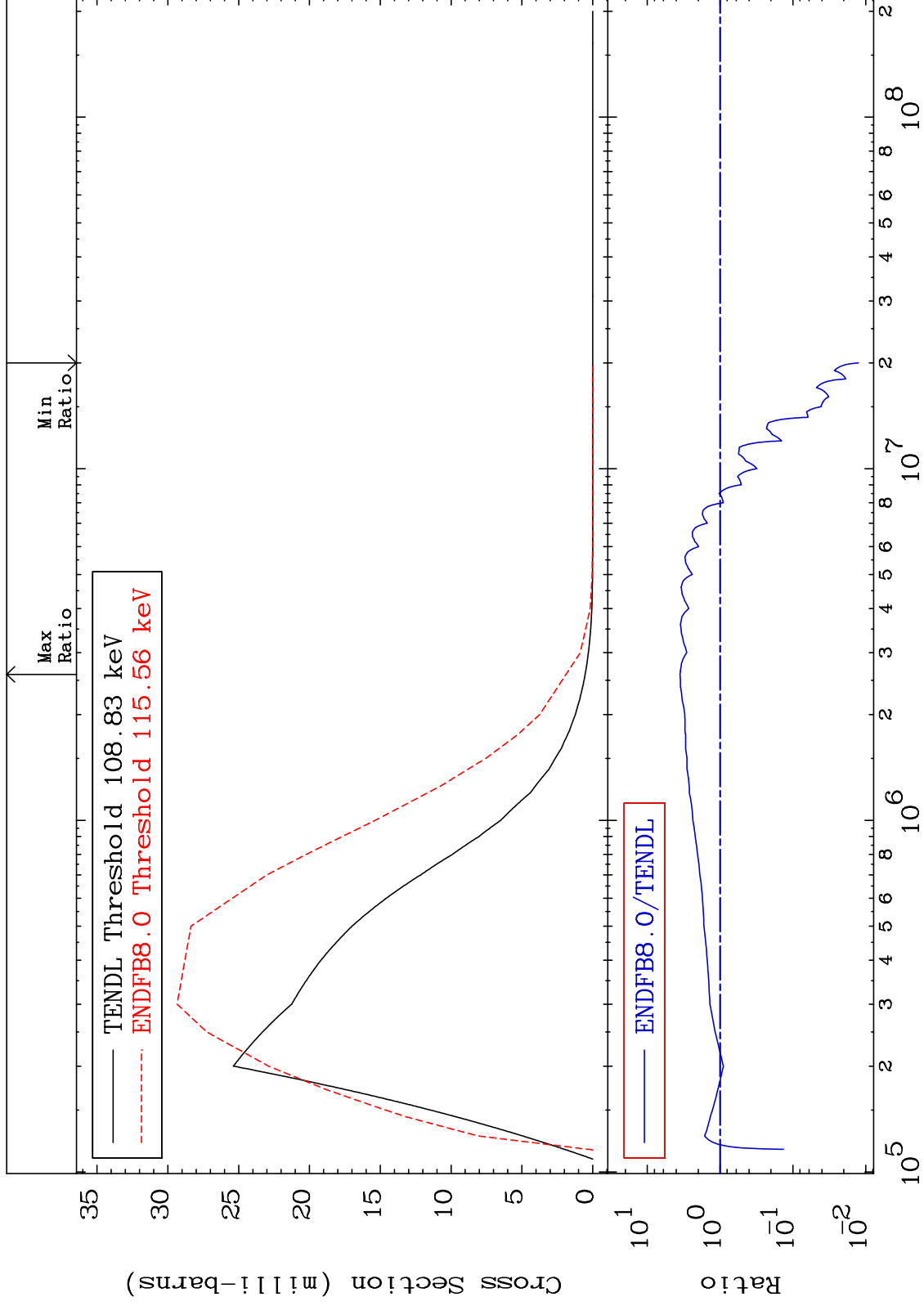
MAT 6328

MT= 57 (n,n') Level

63-Eu-152

-98.74 To 255.1 %

Cross Section



16

63-Eu-152

63-Eu-152

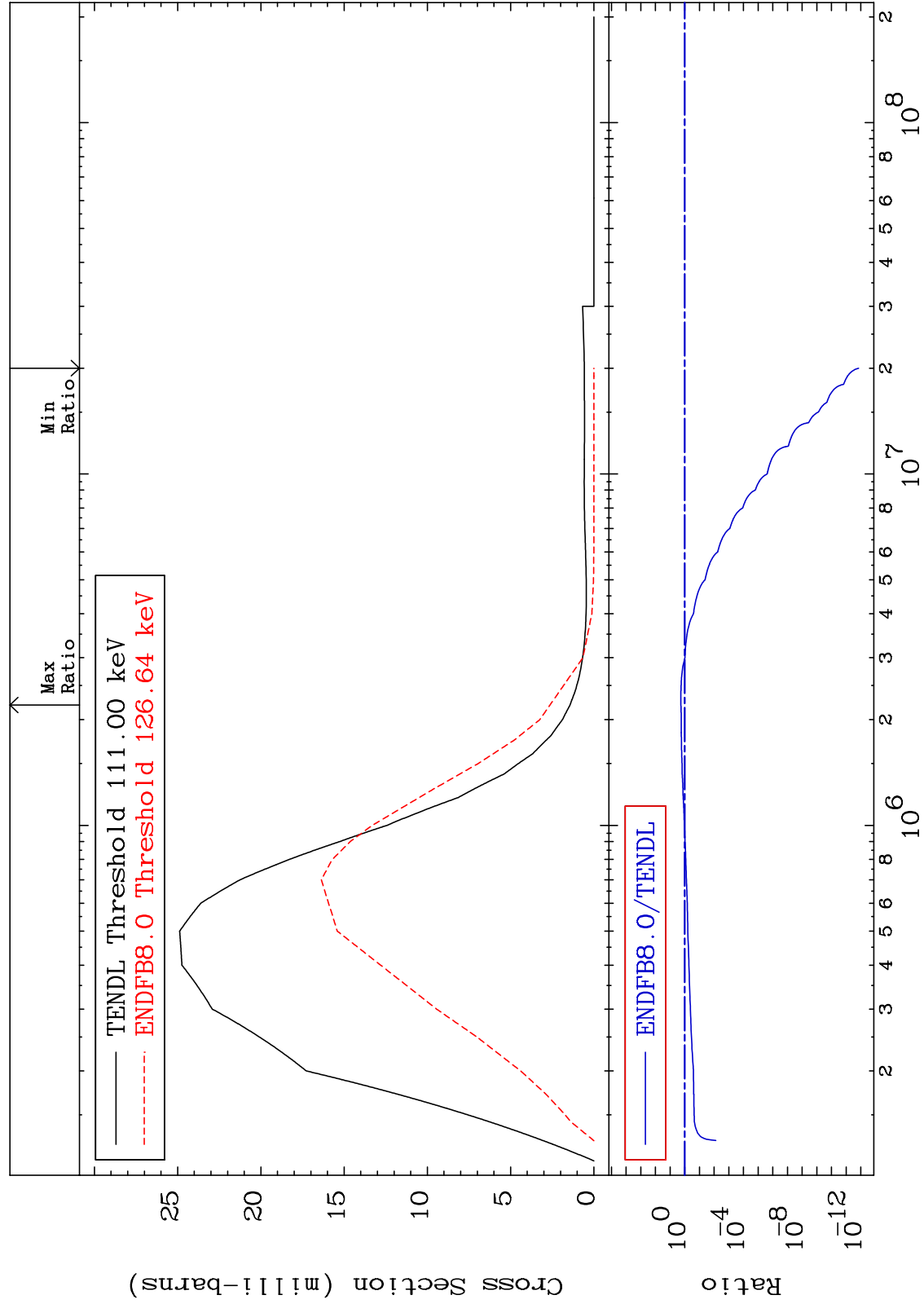
MAT 6328

MT= 58 (n,n') Level

63-Eu-152

-100.0 To 83.90 %

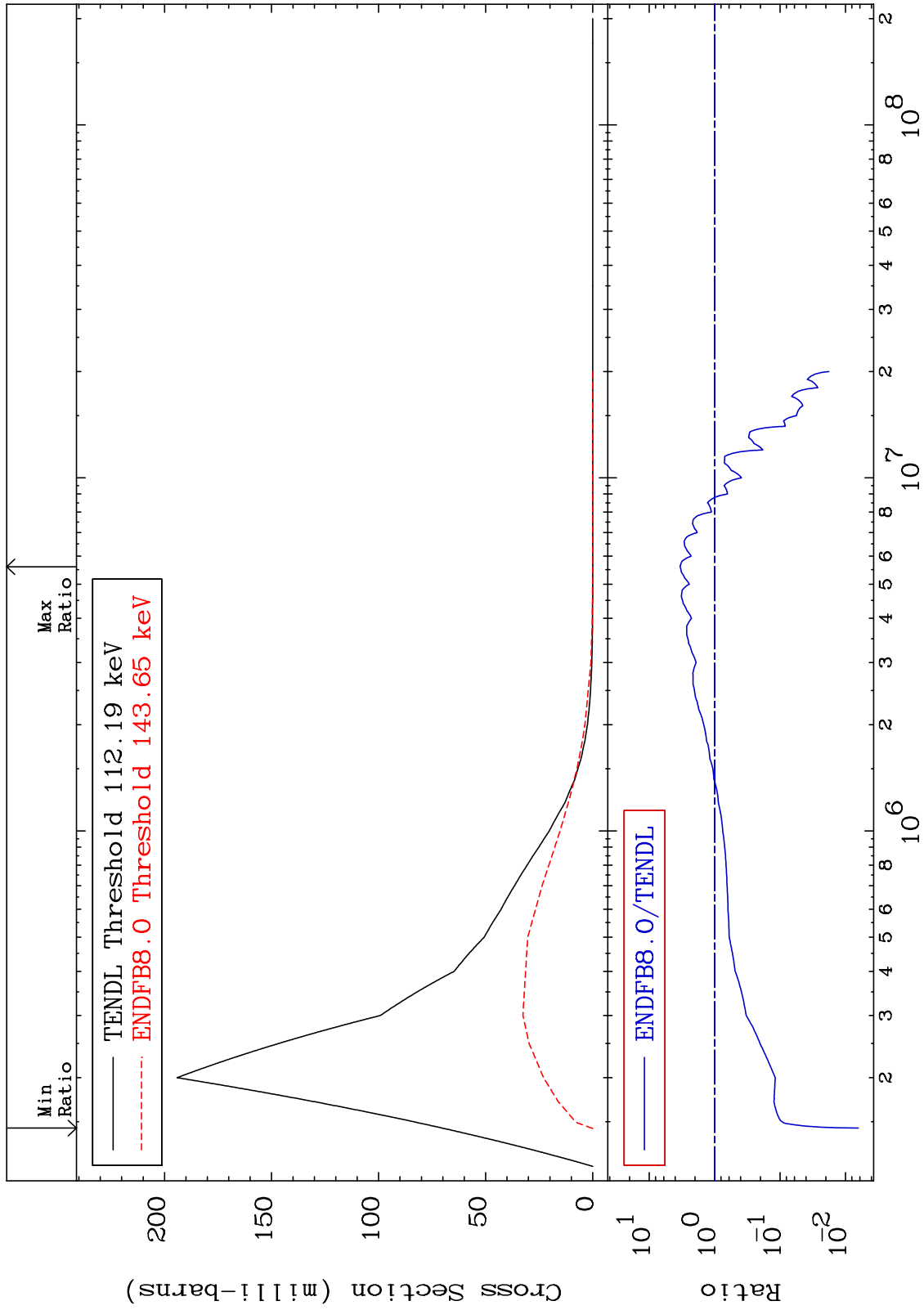
Cross Section



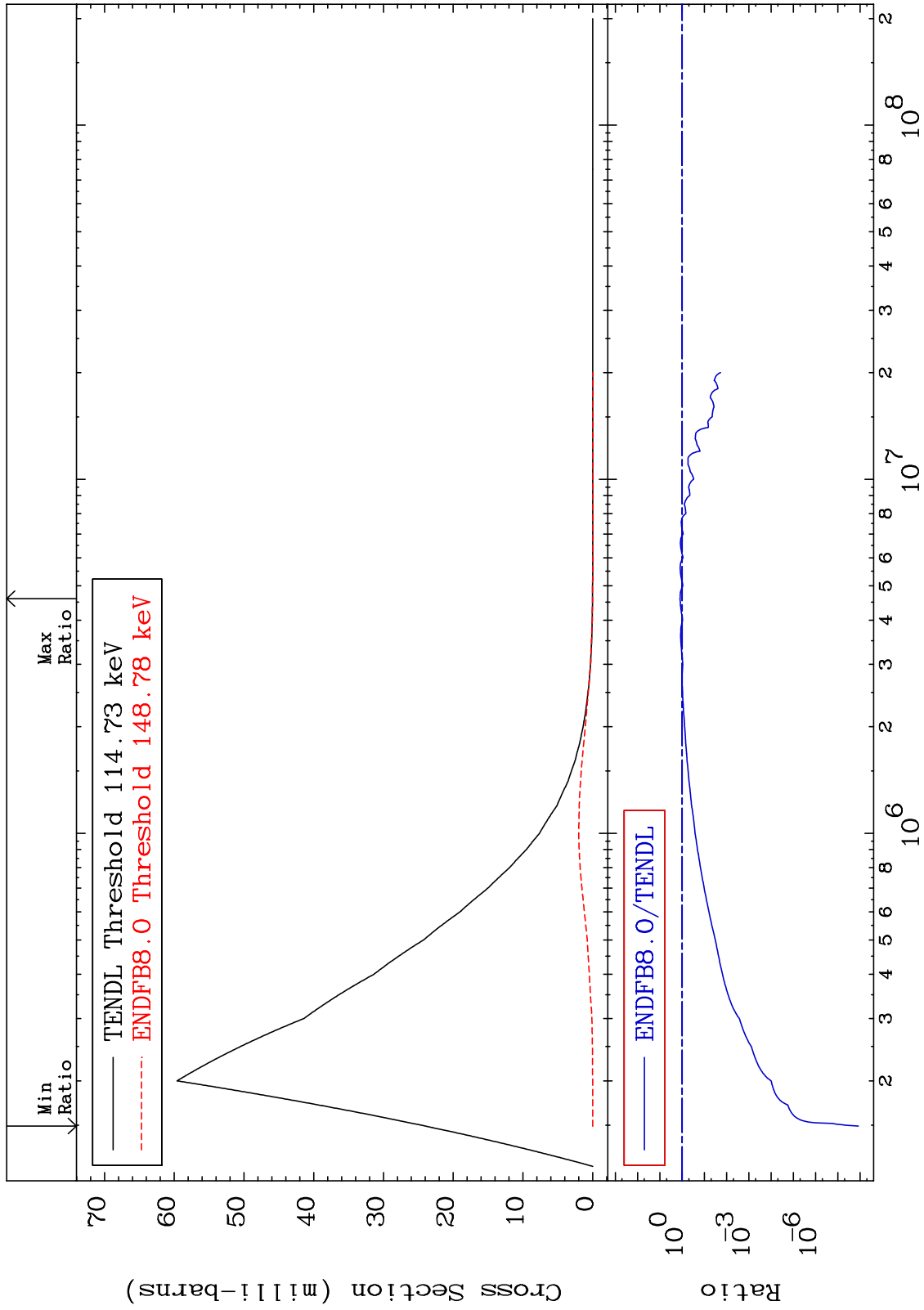
MAT 6328

MT= 59 (n, n') Level
Cross Section

63-Eu-152
-99.37 To 237.9 %



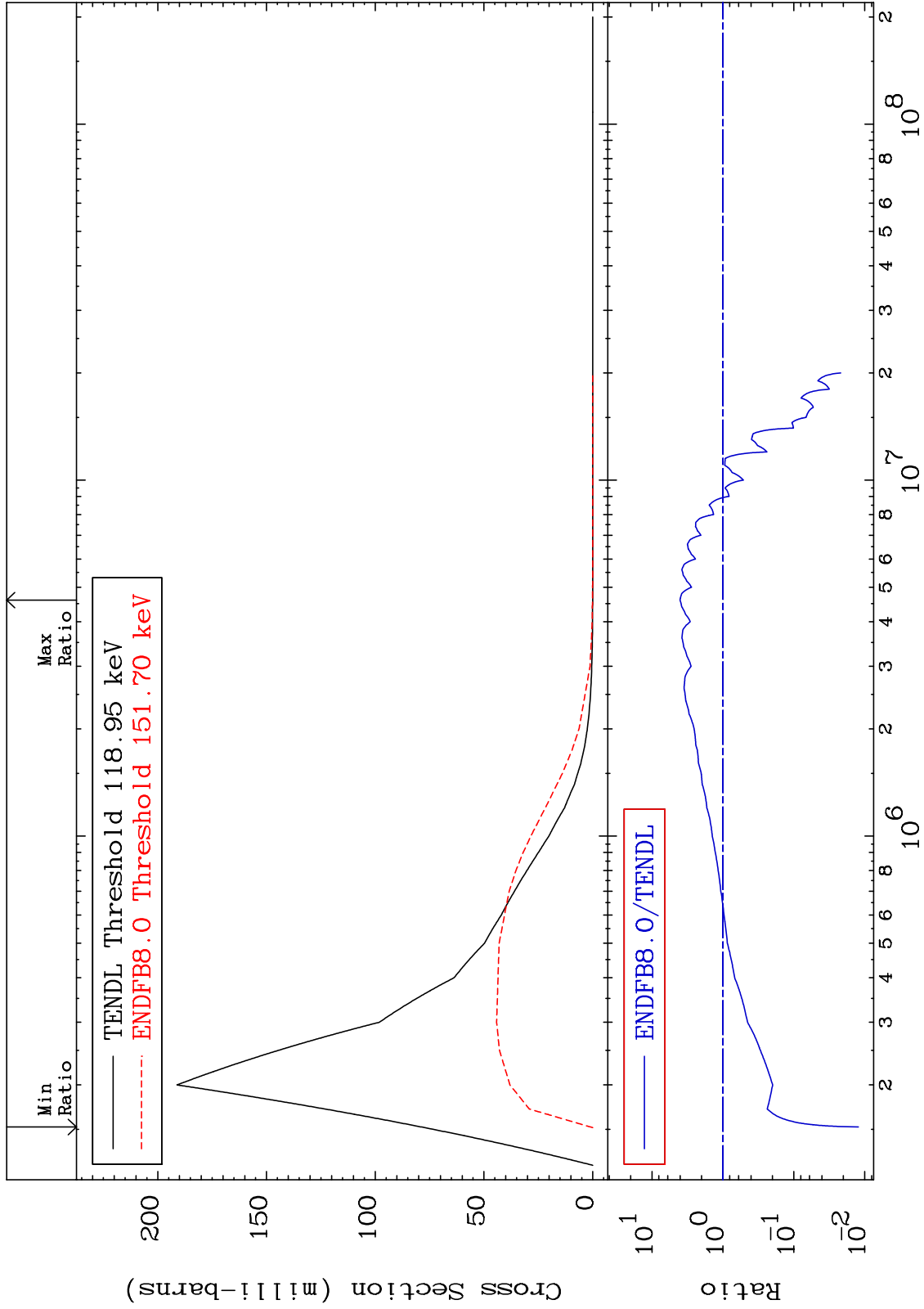
MAT 6328 MT= 60 (n,n') Level Cross Section -100.0 To 24.08 % 63-Eu-152



MAT 6328

MT= 61 (n,n') Level
Cross Section

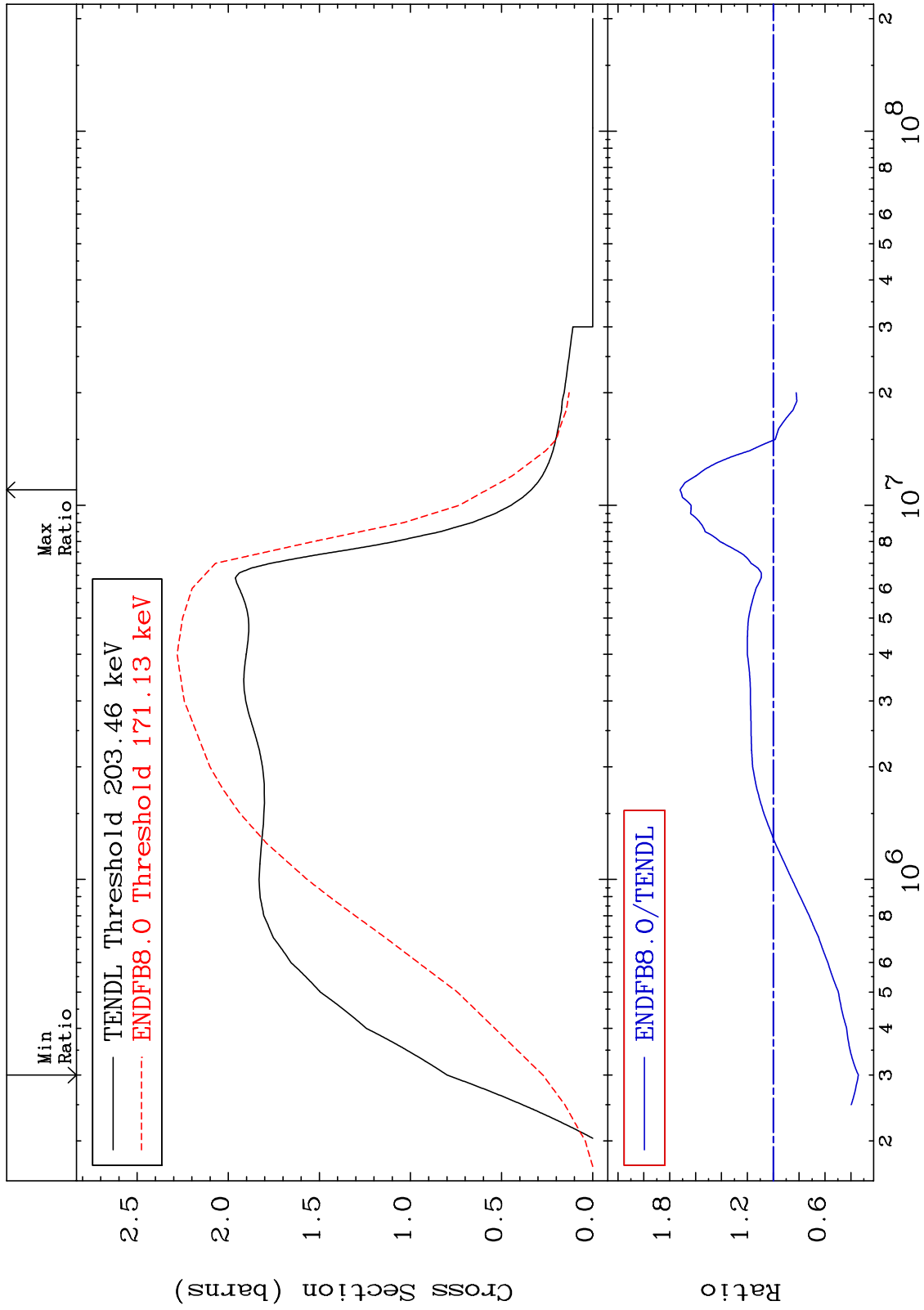
63-Eu-152
-98.77 To 302.3 %



MAT 6328

(n, n') Continuum
Cross Section

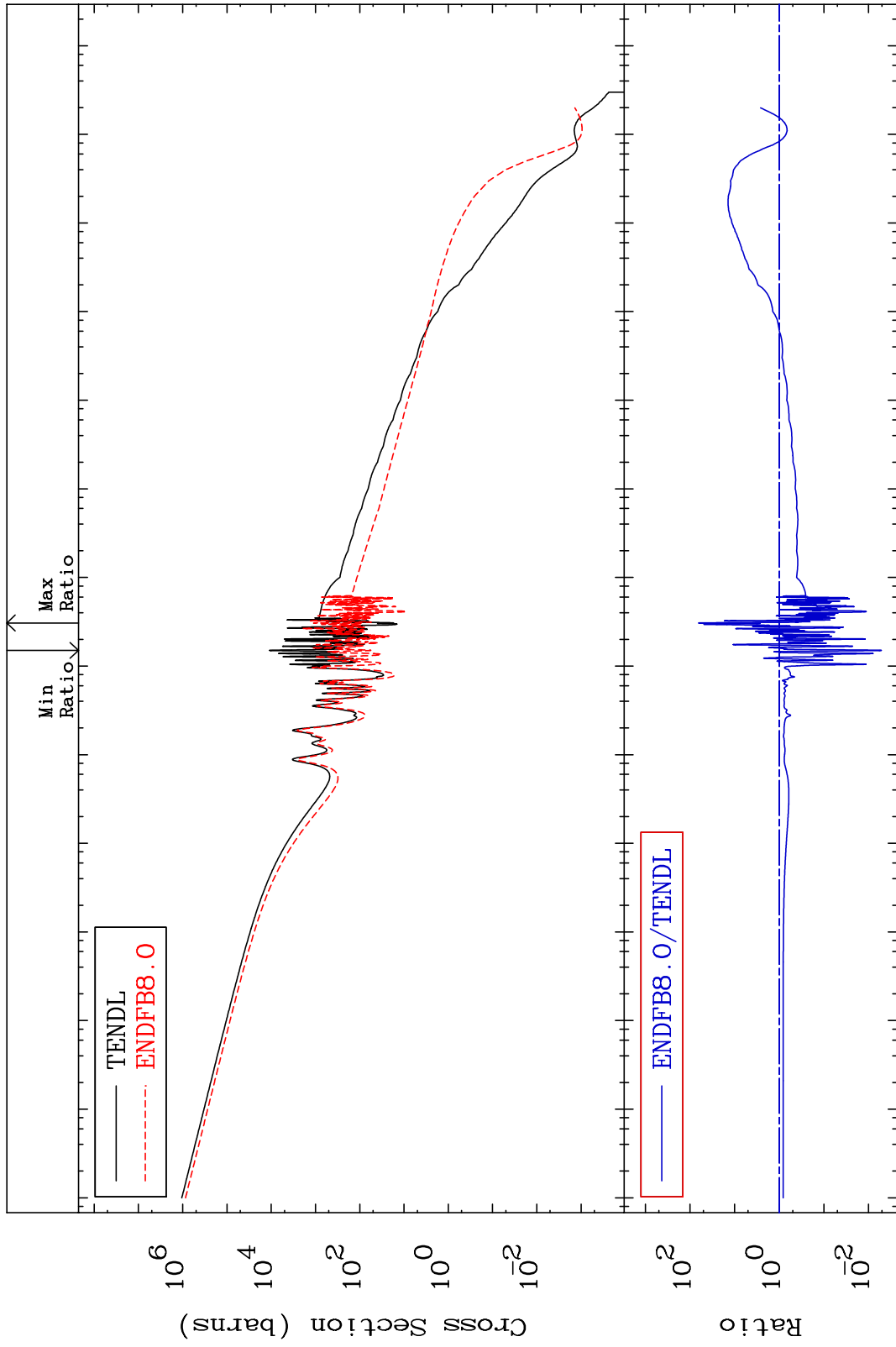
63-Eu-152
-65.80 To 72.04 %



MAT 6328

(n, γ)
Cross Section

63-Eu-152
-99.49 To 6411. %



22

Incident Energy (eV)

63-Eu-152

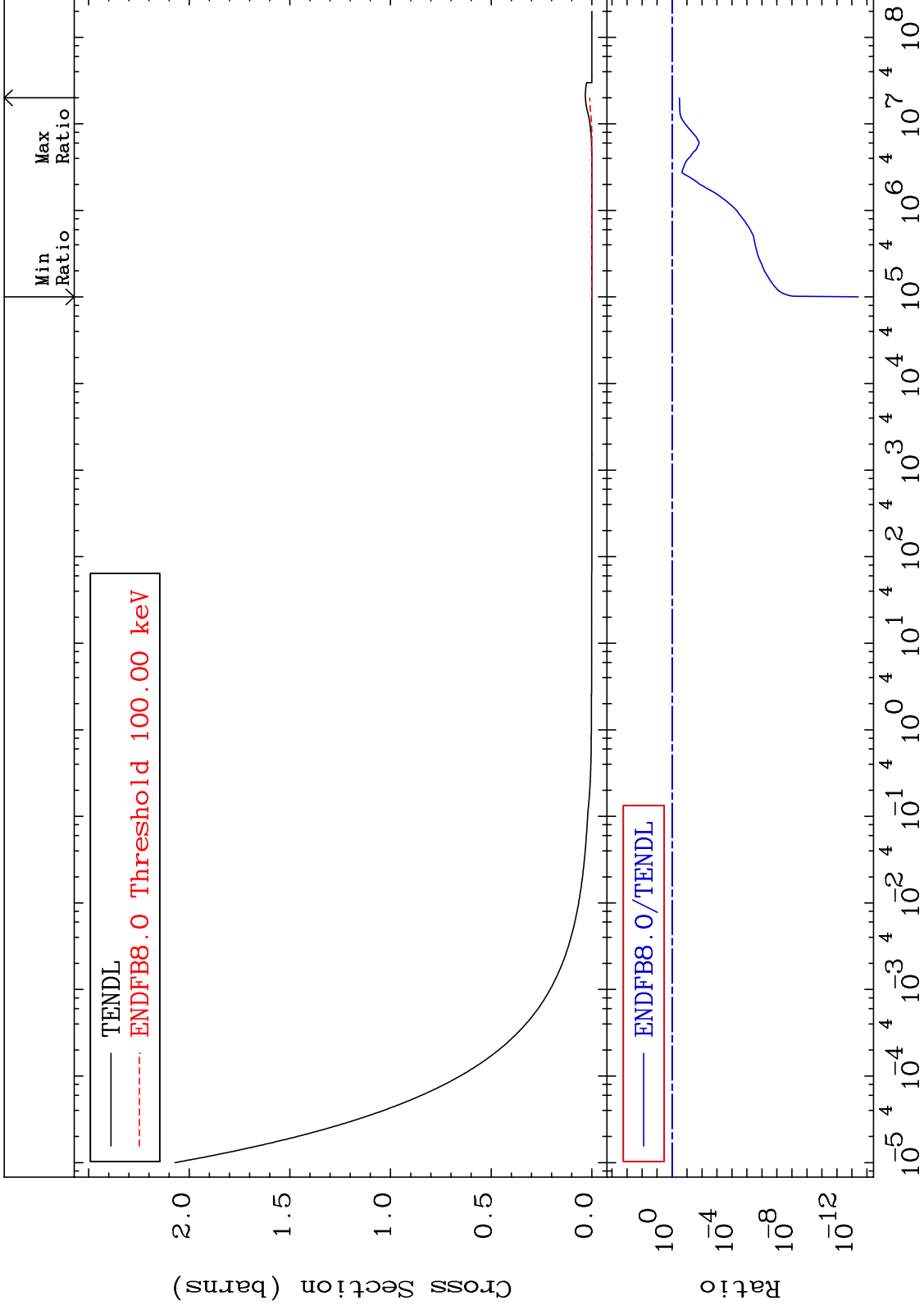
MAT 6328

(n,p)

63-Eu-152

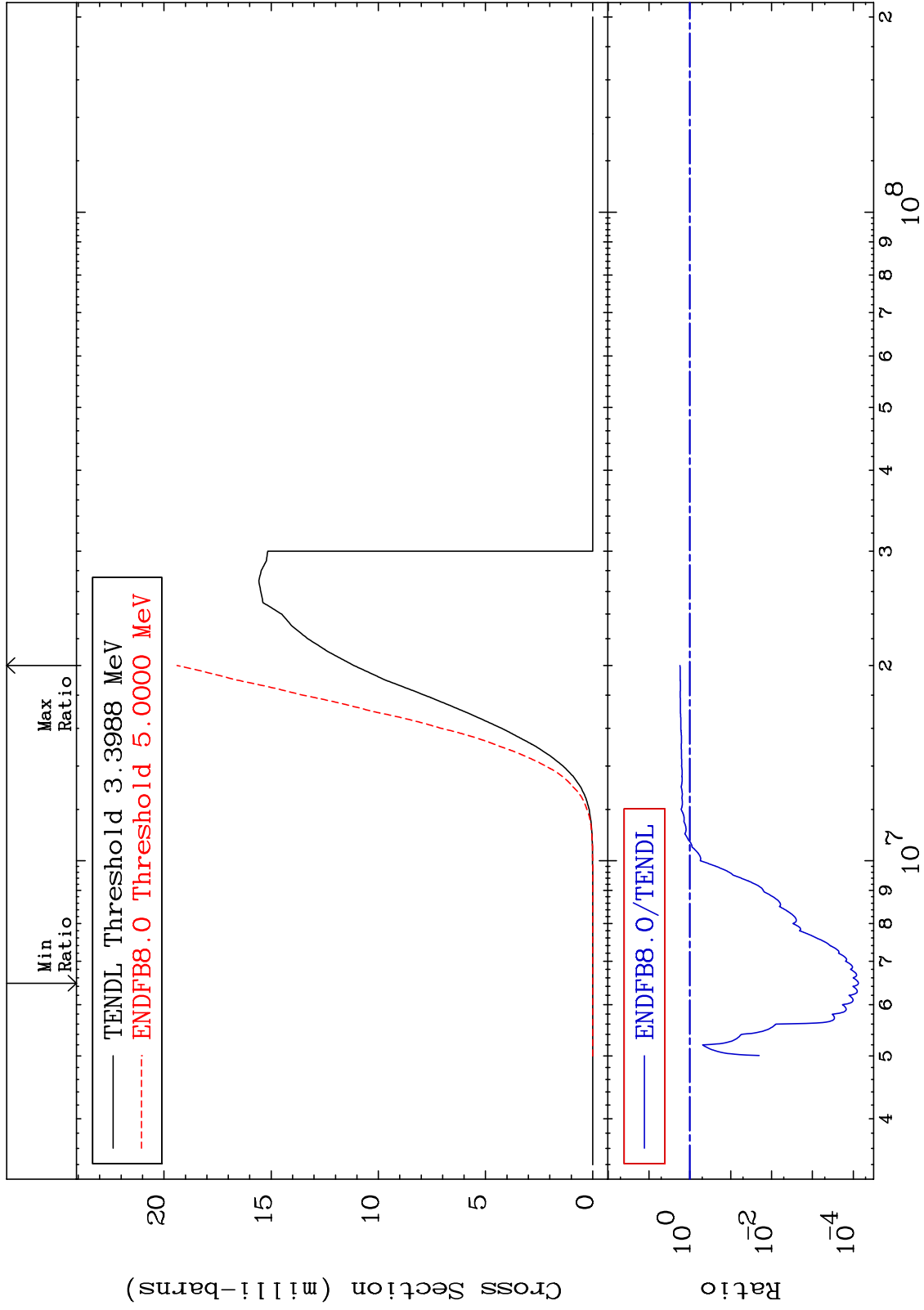
Cross Section

-100.0 To -67.77%



MAT 6328

(n, d)
Cross Section
63-Eu-152
-99.99 To 73.95 %

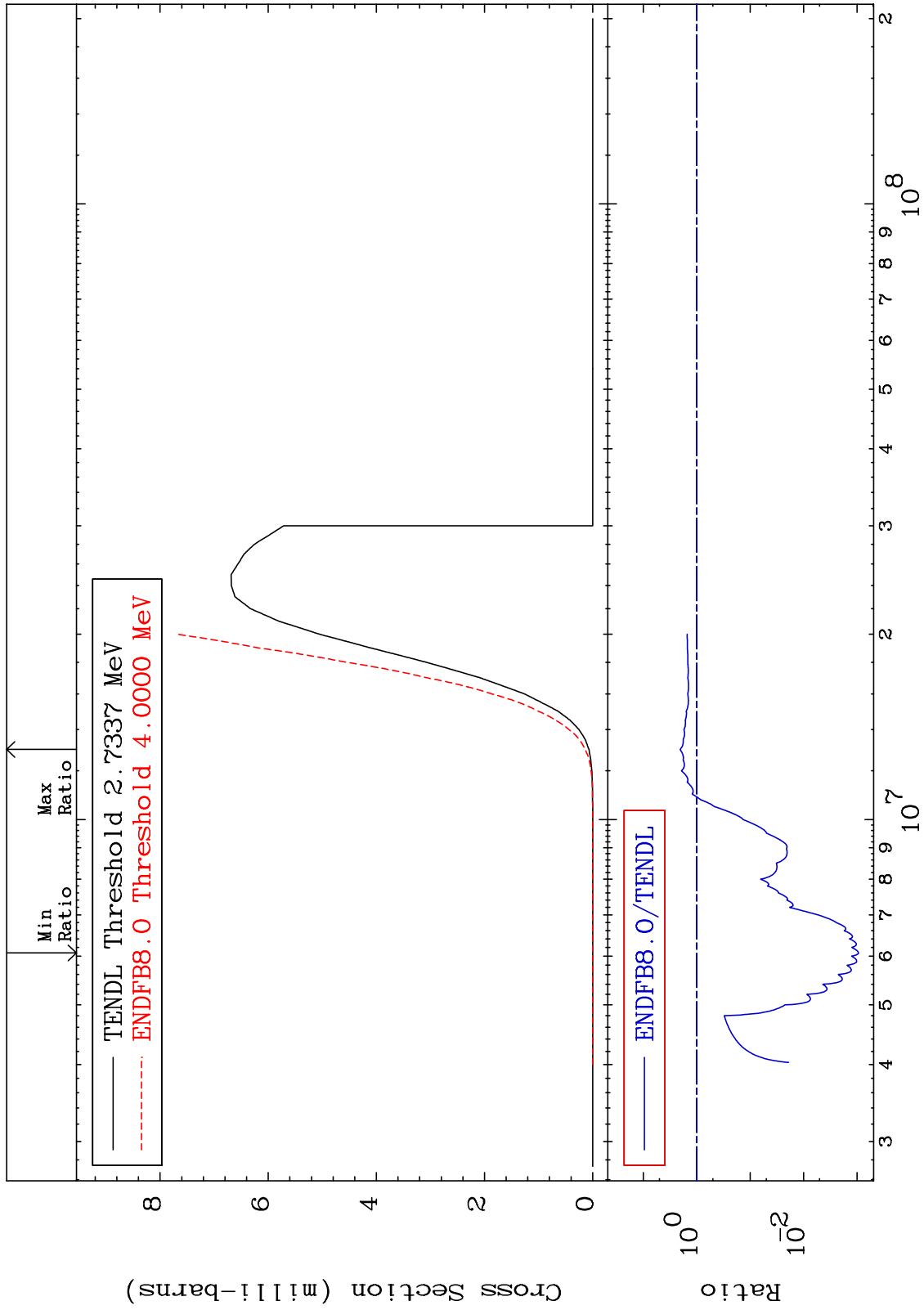


MAT 6328

63-Eu-152

-99.91 To 106.1 %

(n, t)
Cross Section



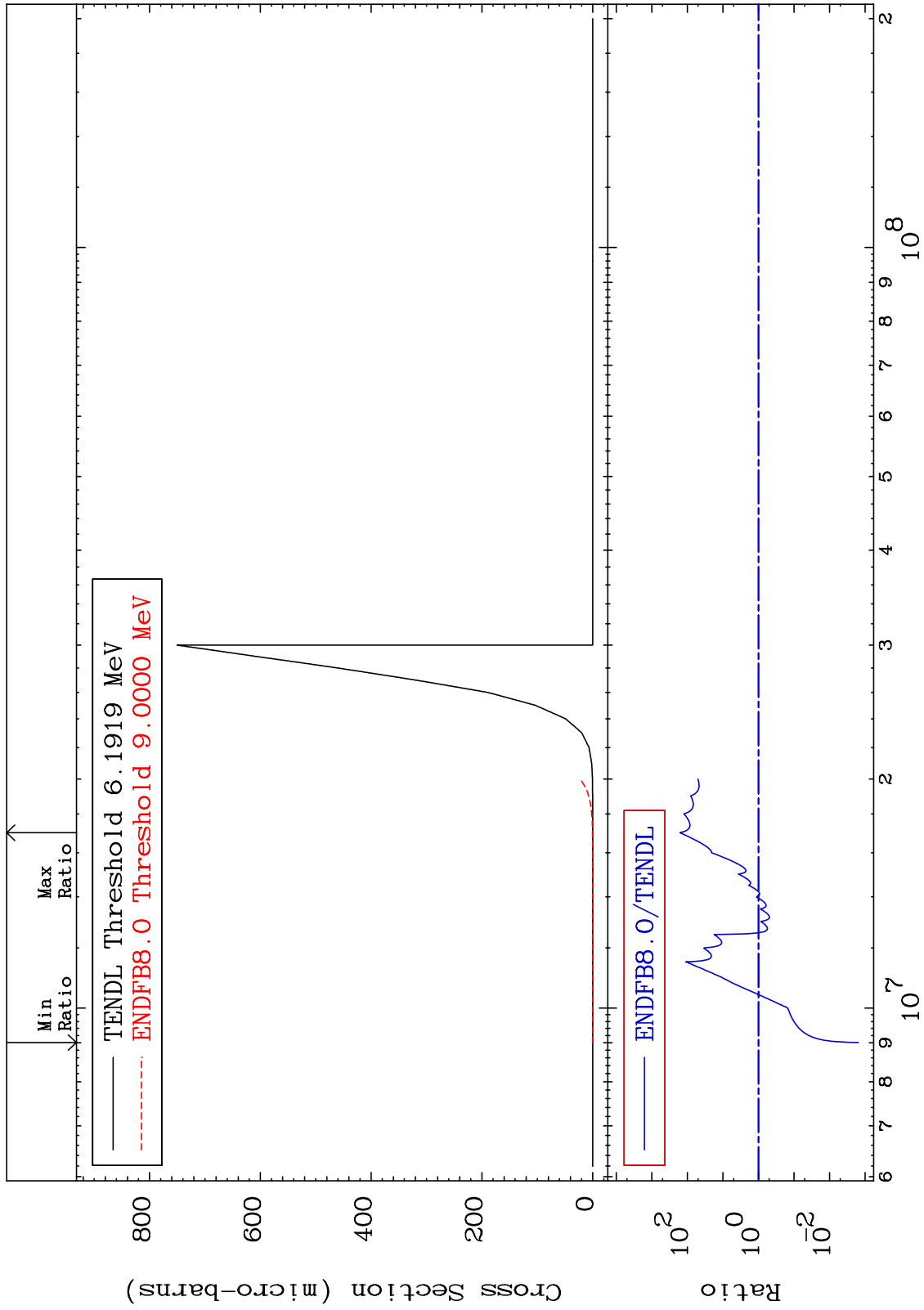
MAT 6328

(n, He-3)

63-Eu-152

Cross Section

-99.85 To 9999. %



26

Incident Energy (eV)

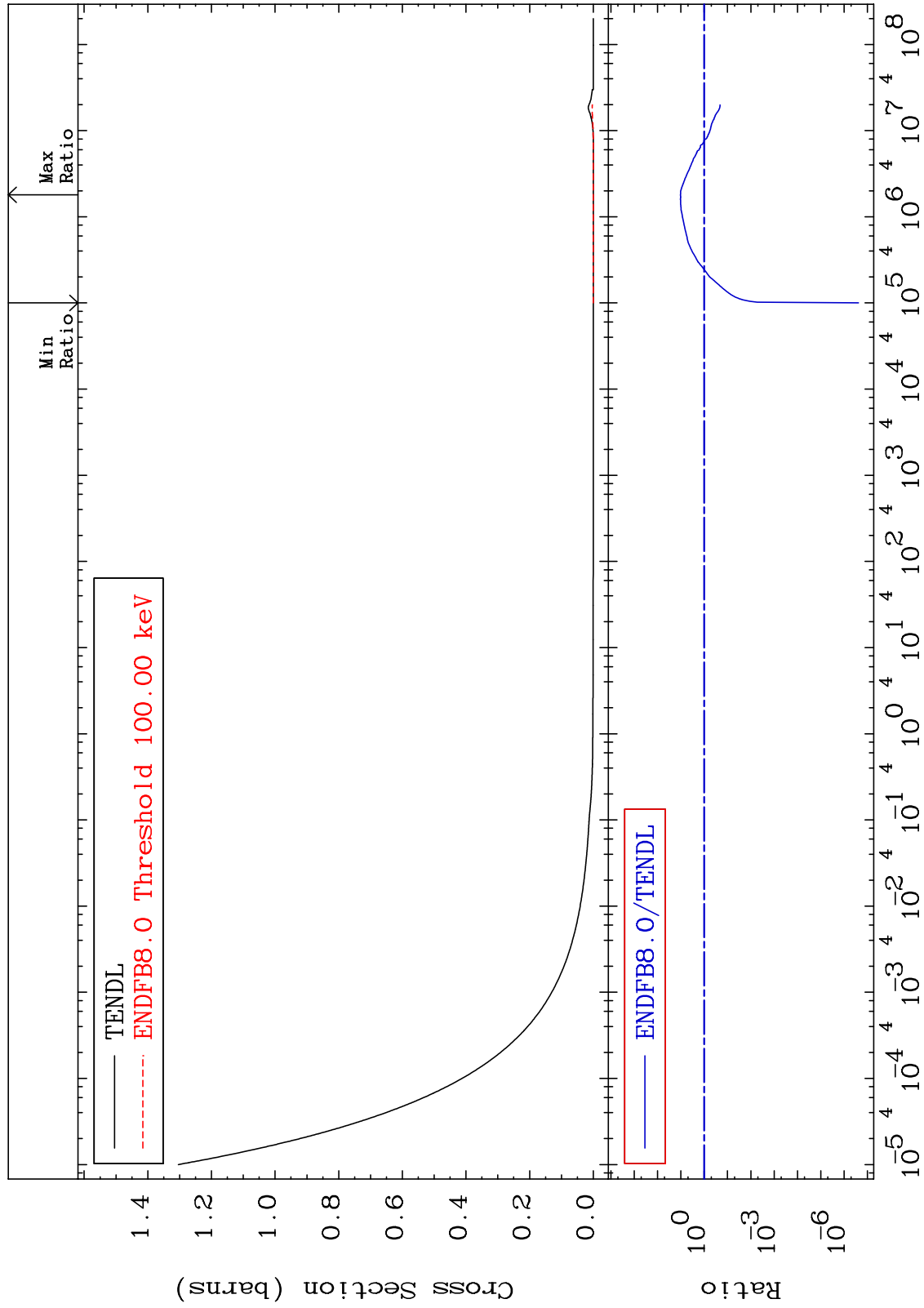
63-Eu-152

MAT 6328

(n, α)
Cross Section

63-Eu-152

-100.0 To 943.8 %



27

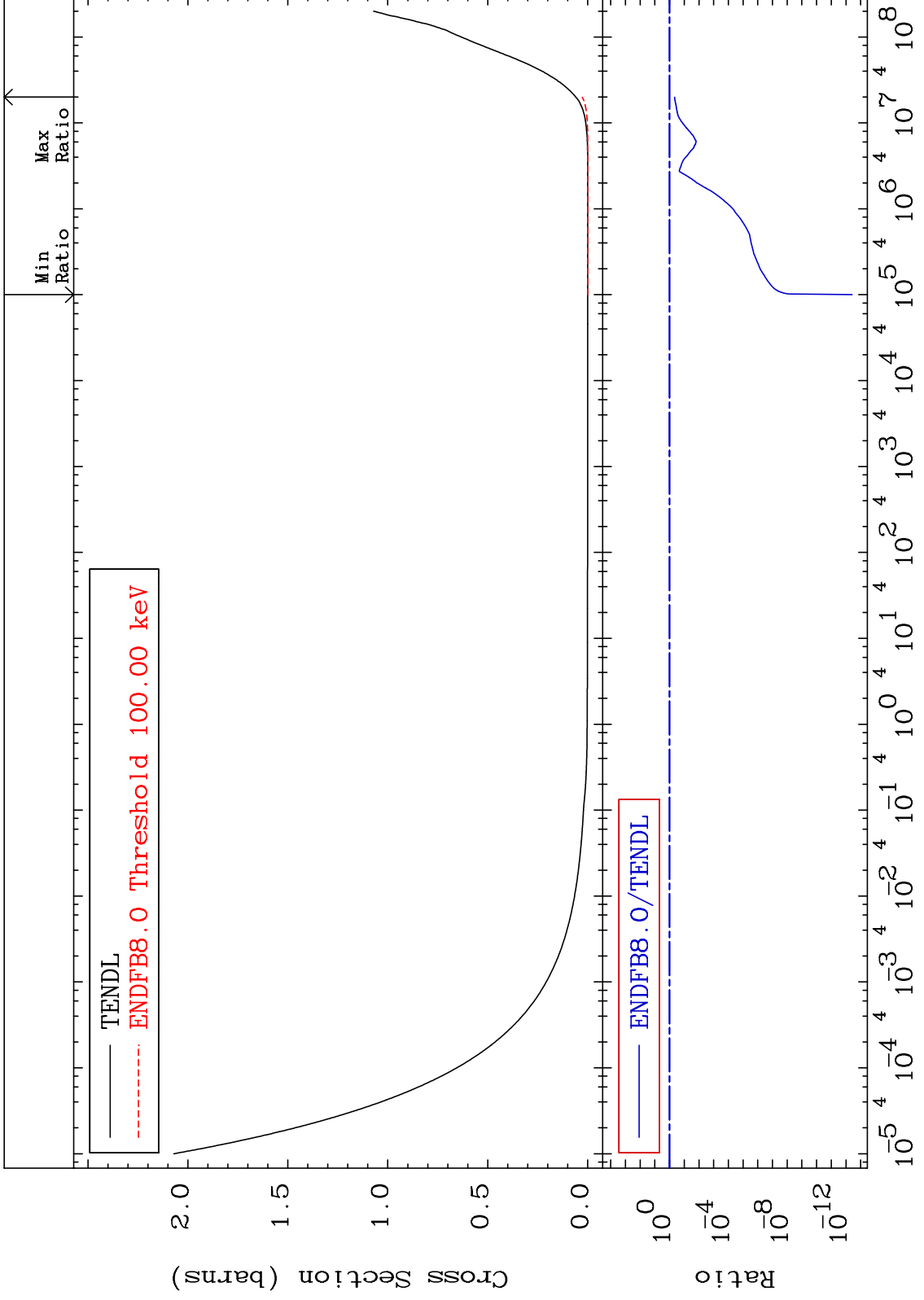
Incident Energy (eV)

63-Eu-152

MAT 6328

Hydrogen Production
Cross Section

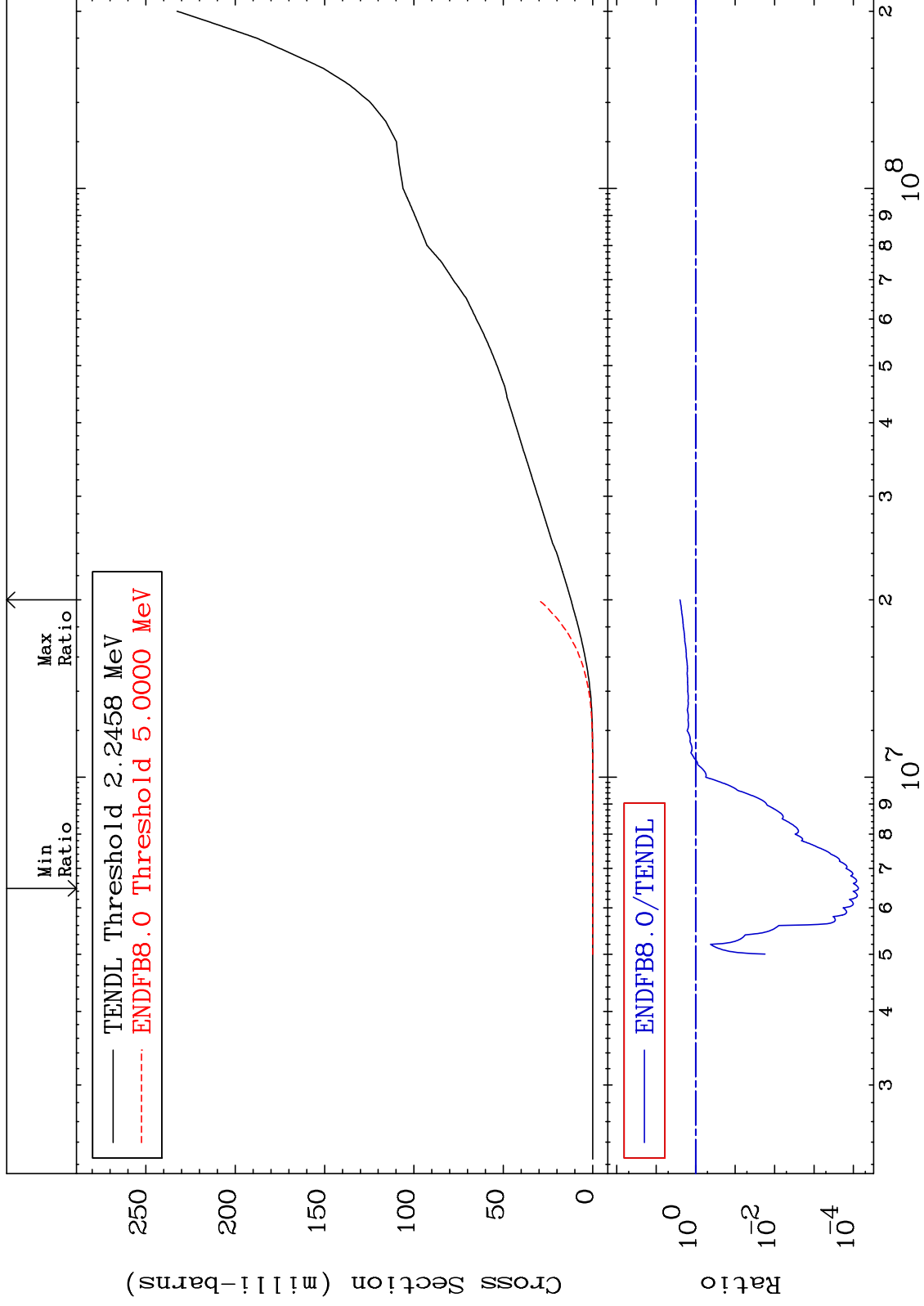
63-Eu-152
-100.0 To -54.56%



MAT 6328

Deuterium Production
Cross Section

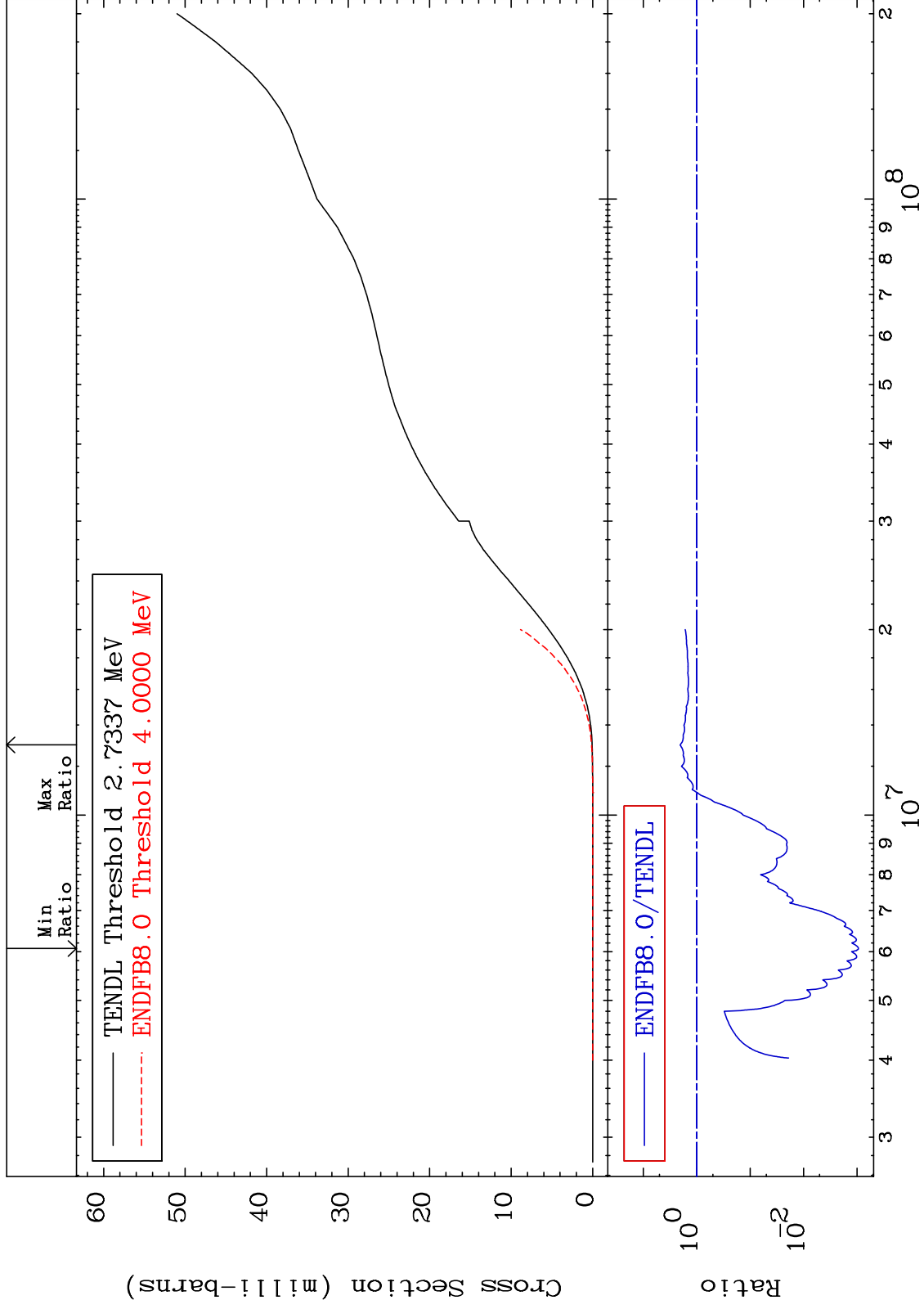
63-Eu-152
-99.99 To 149.0 %



MAT 6328

Tritium Production
Cross Section

63-Eu-152
-99.91 To 106.1 %



30

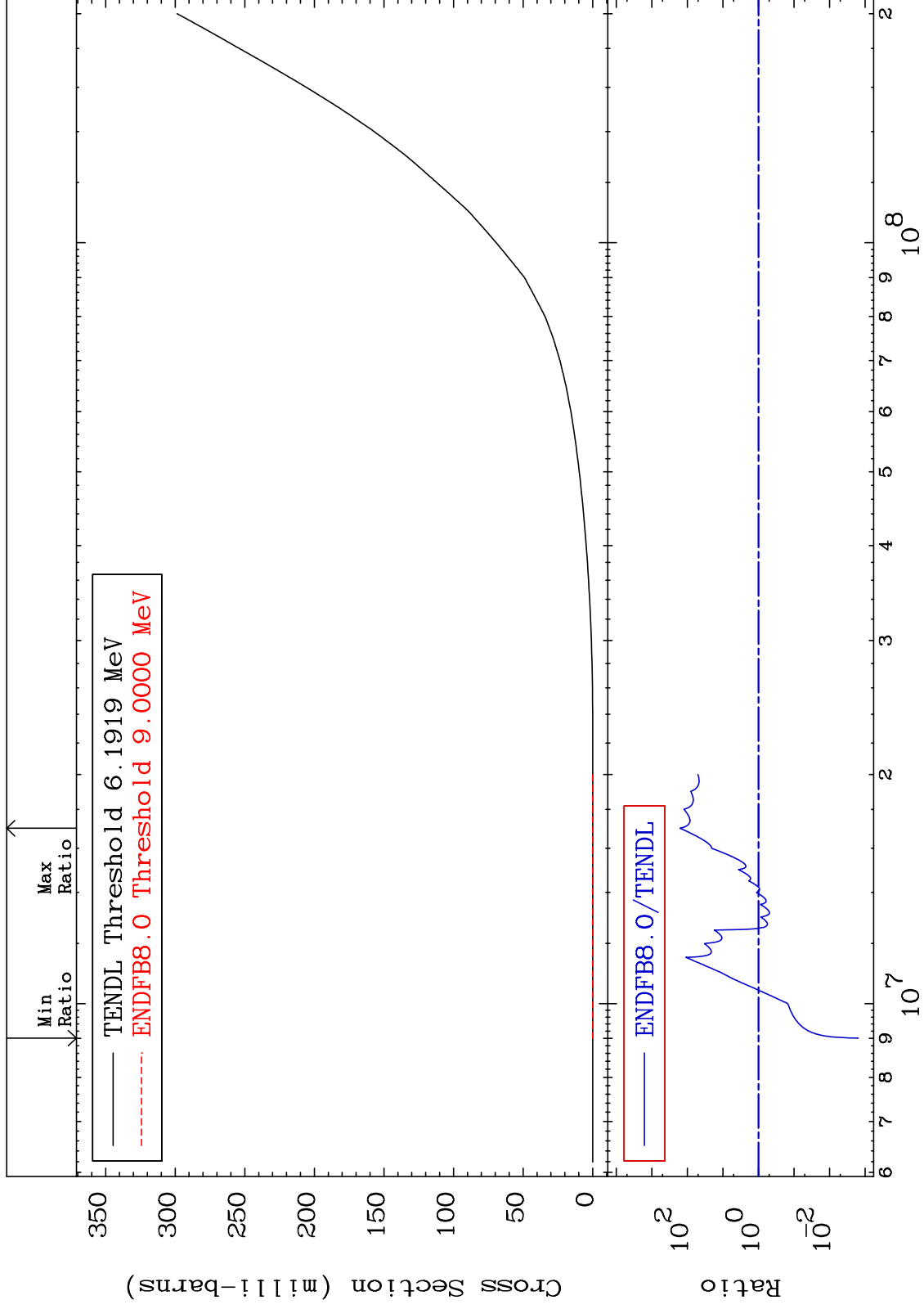
Incident Energy (eV)

63-Eu-152

MAT 6328

He-3 Production
Cross Section

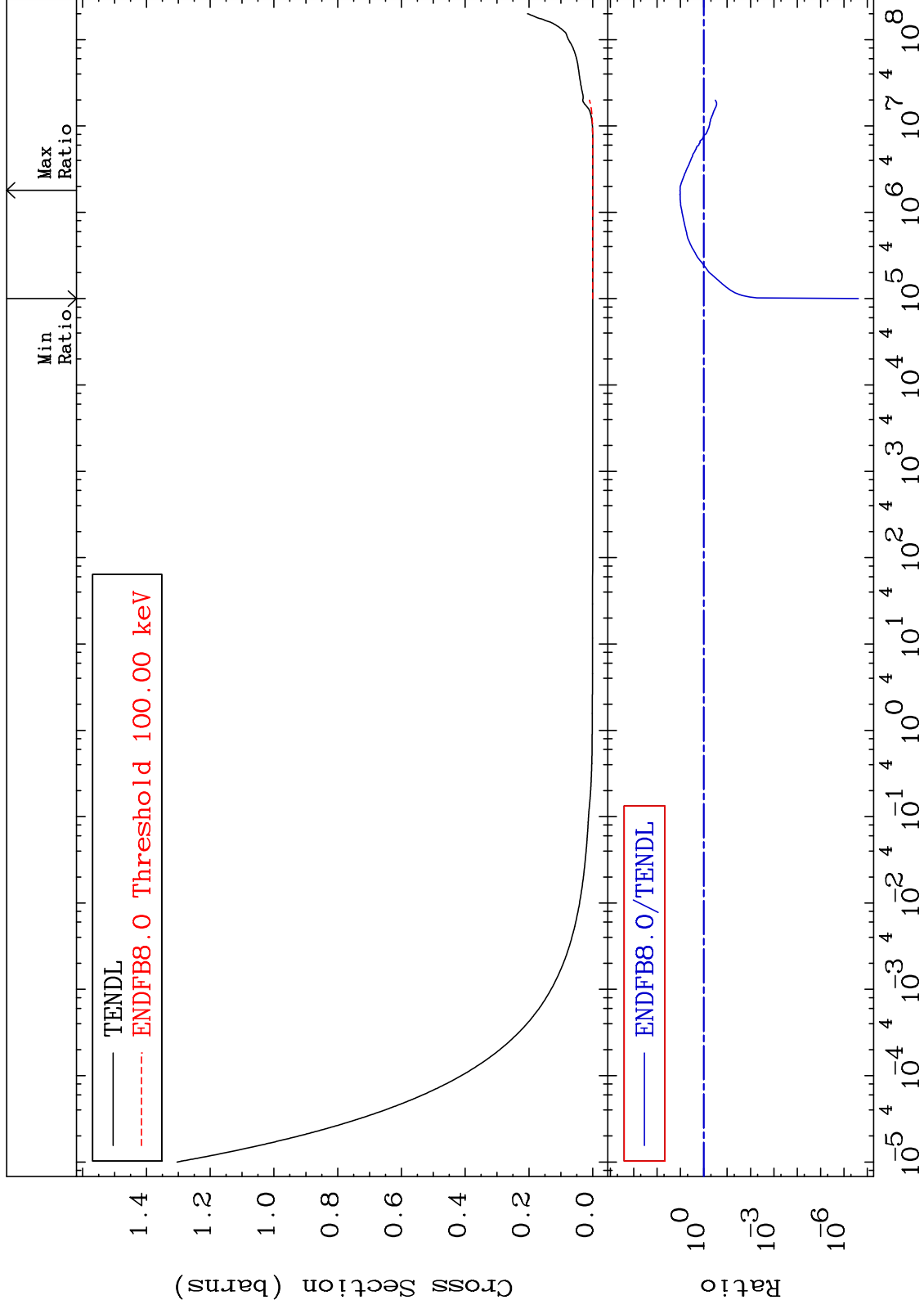
63-Eu-152
-99.85 To 9999. %



MAT 6328

He-4 Production
Cross Section

63-Eu-152
-100.0 To 943.8 %



32

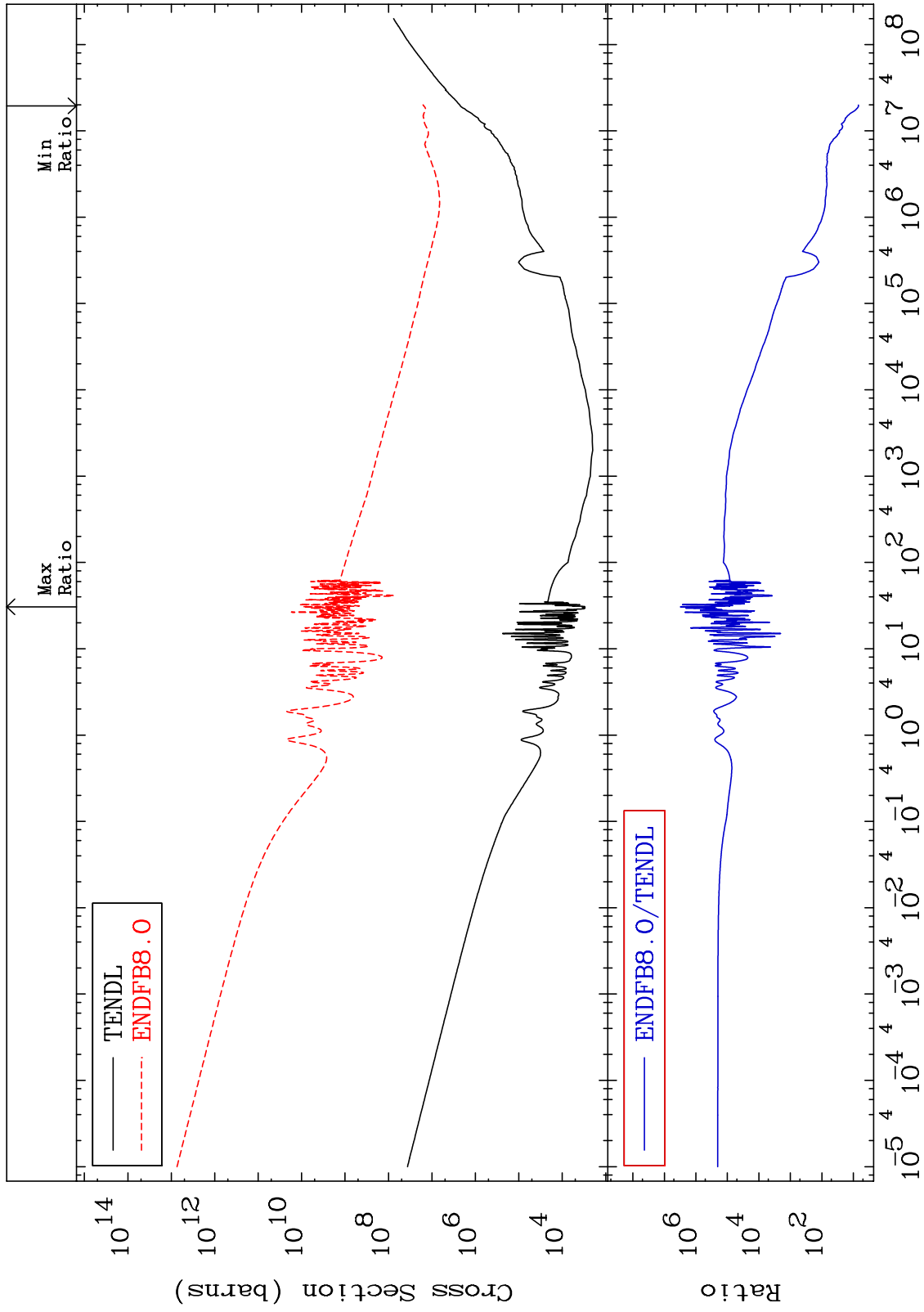
Incident Energy (eV)

63-Eu-152

MAT 6328

Kerma total (eV-barns)
Cross Section

63-Eu-152
594.4 To 9999. %



33

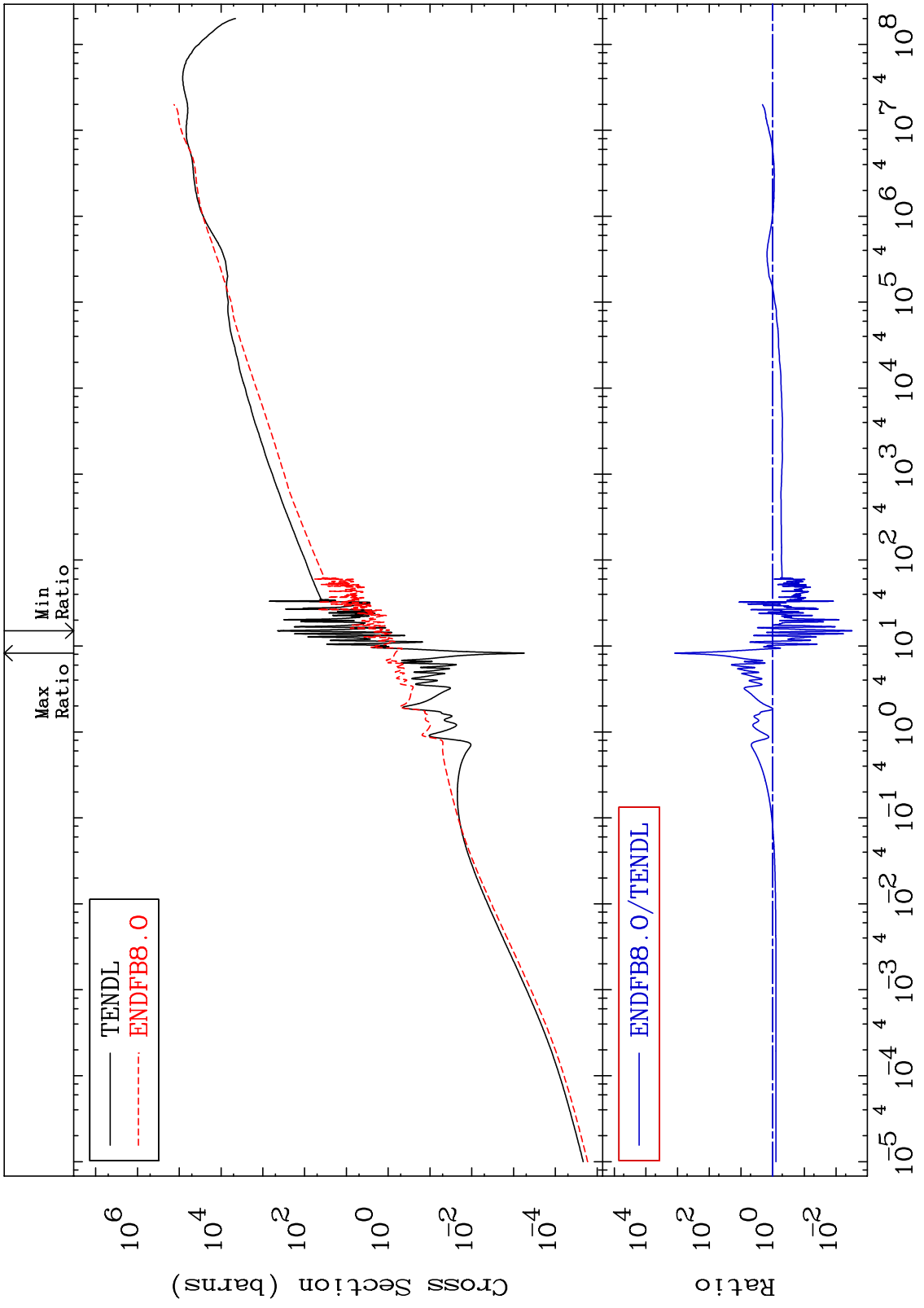
Incident Energy (eV)

63-Eu-152

MAT 6328

Kerma elastic
Cross Section

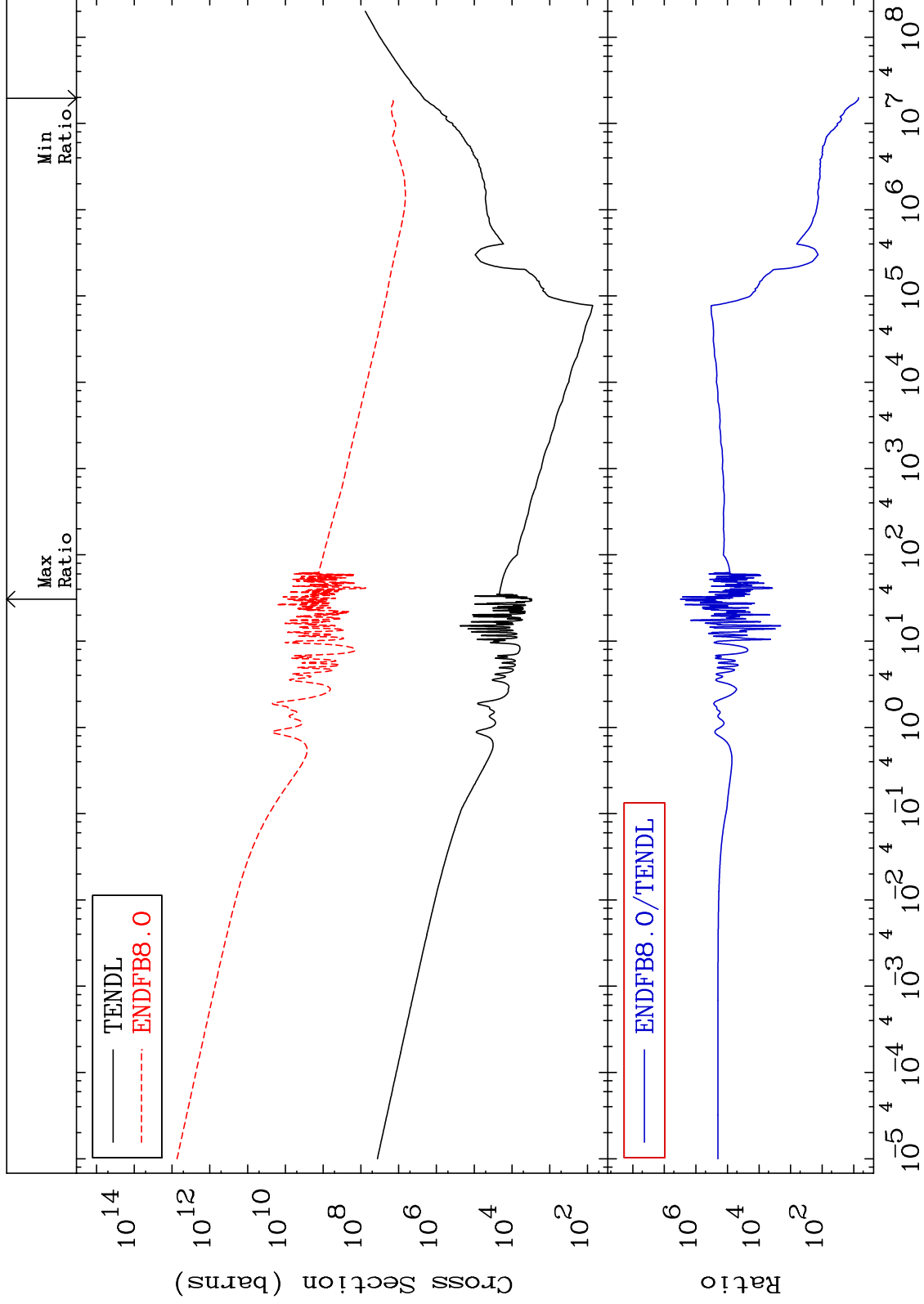
63-Eu-152
-99.69 To 9999. %



MAT 6328

Kerma non-elastic (all but mt2)
Cross Section

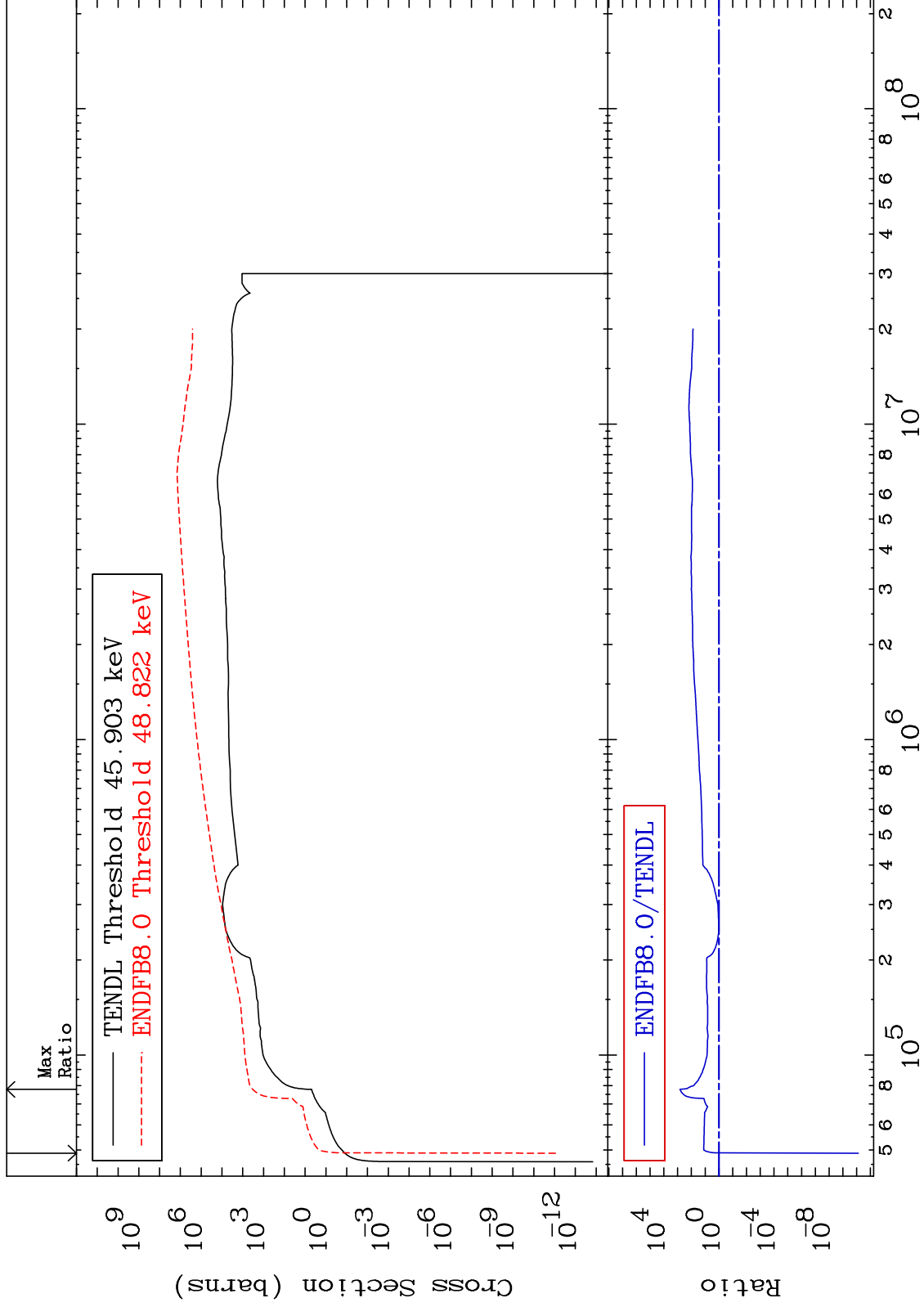
63-Eu-152
608.7 To 9999. %



MAT 6328

Kerma inelastic (mt51-91)
Cross Section

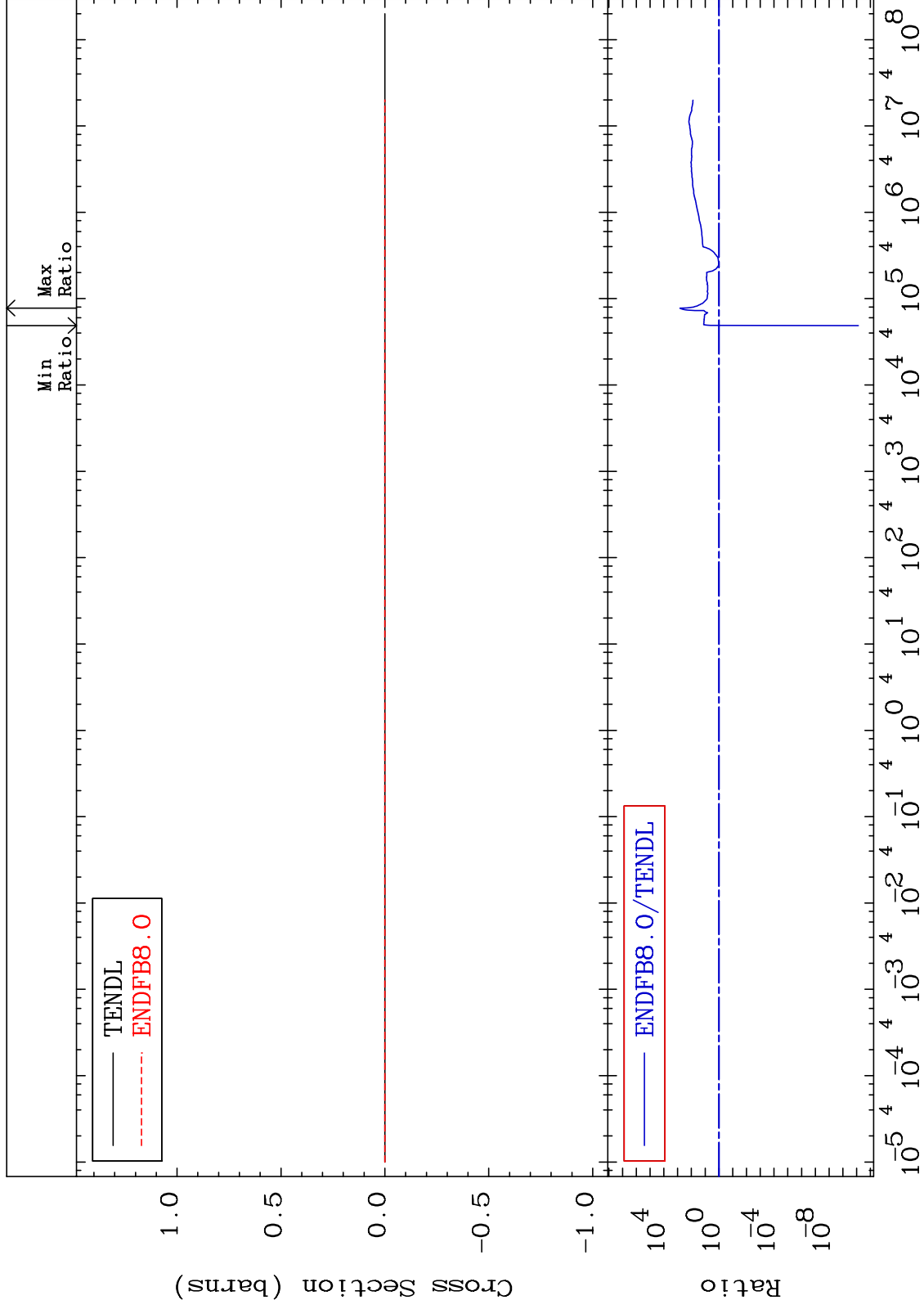
63-Eu-152
-100.0 To 9999. %



MAT 6328

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

63-Eu-152
-100.0 To 9999. %



37

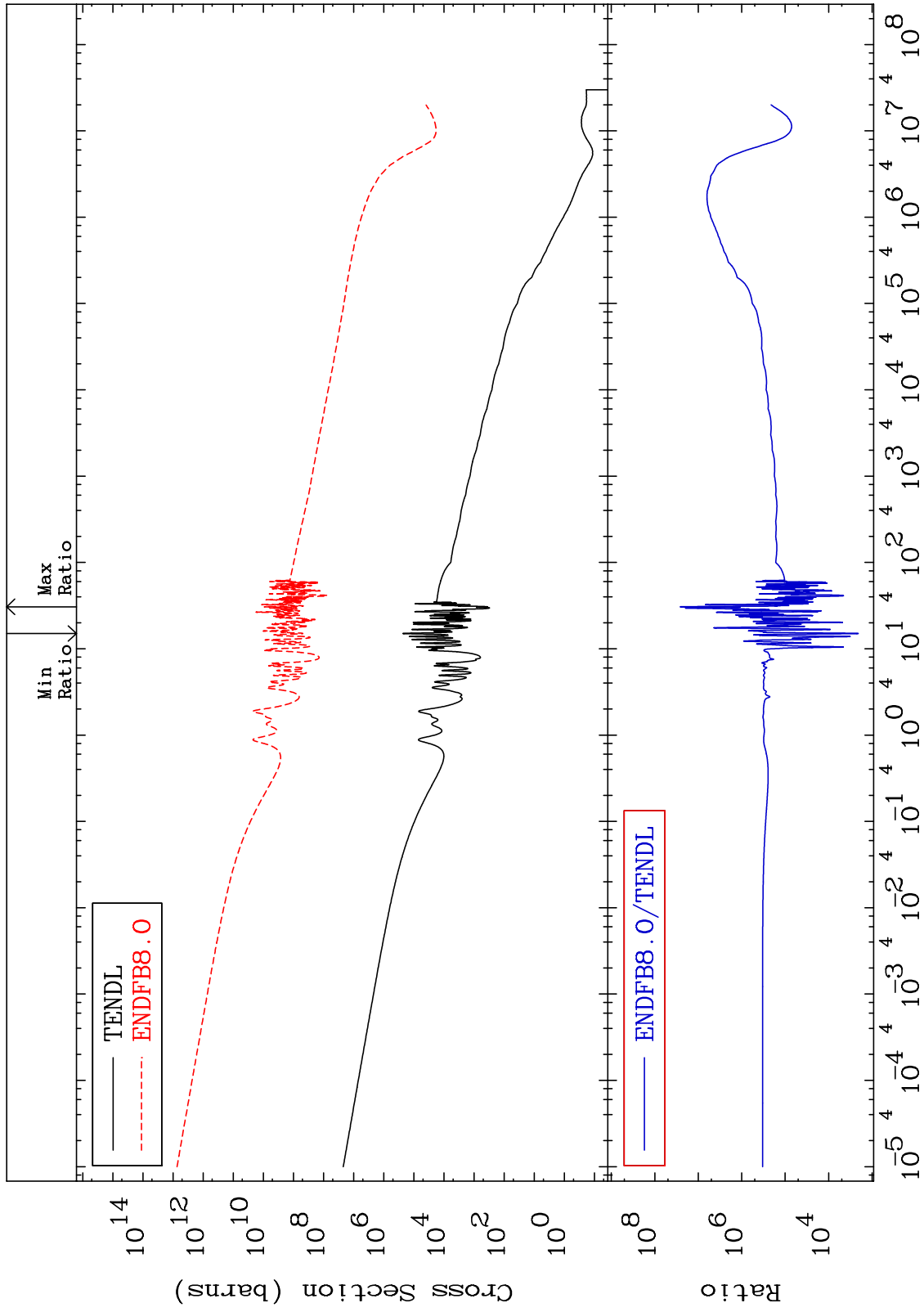
Incident Energy (eV)

63-Eu-152

MAT 6328

Kerma capture (mt102)
Cross Section

63-Eu-152
9999. To 9999. %



38

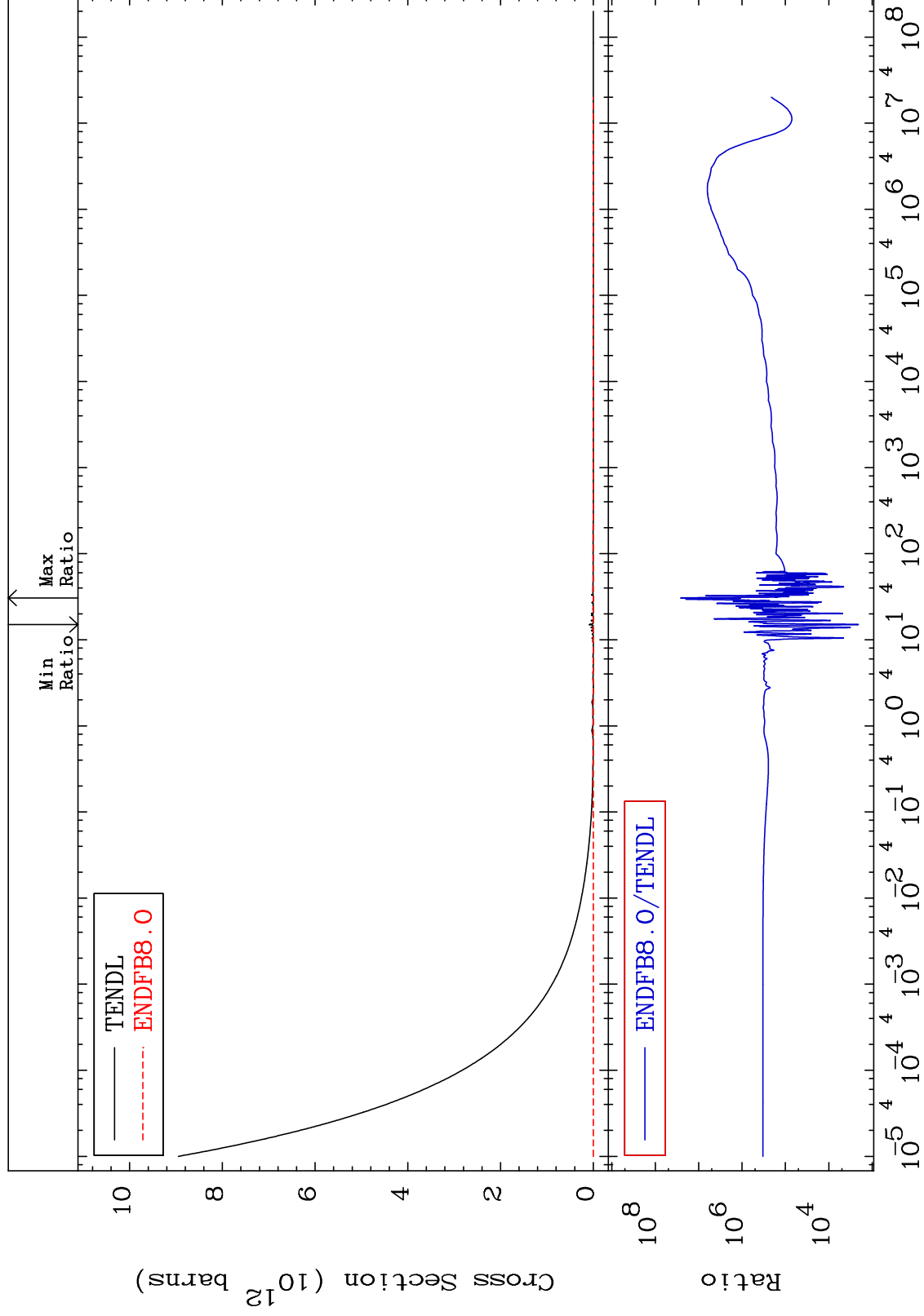
Incident Energy (eV)

63-Eu-152

MAT 6328

Total photon (eV-barns)
Cross Section

63-Eu-152
9999. To 9999. %



39

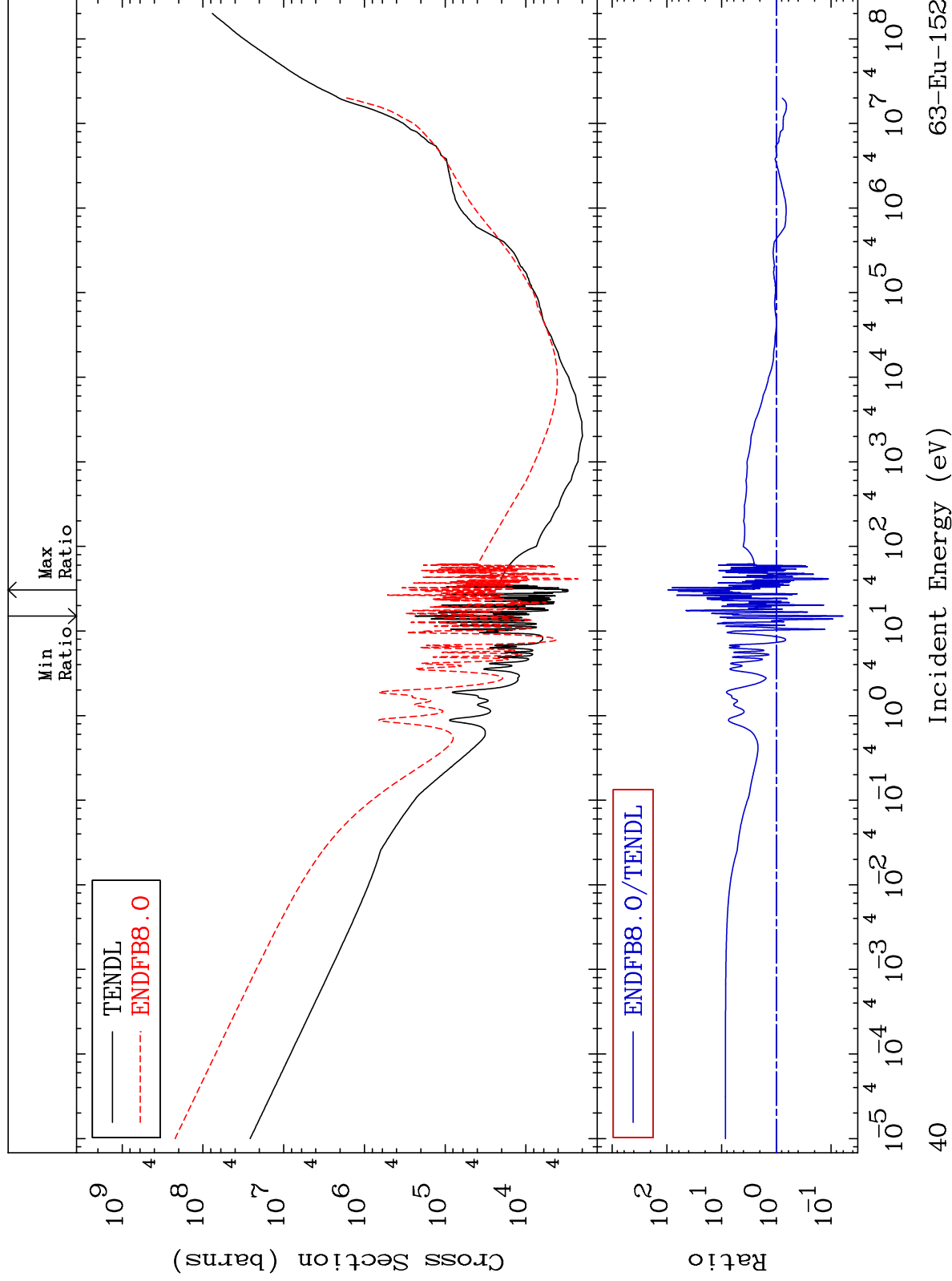
Incident Energy (eV)

63-Eu-152

MAT 6328

Total kinematic kerma (high limit)
Cross Section

63-Eu-152
-93.91 To 9405. %



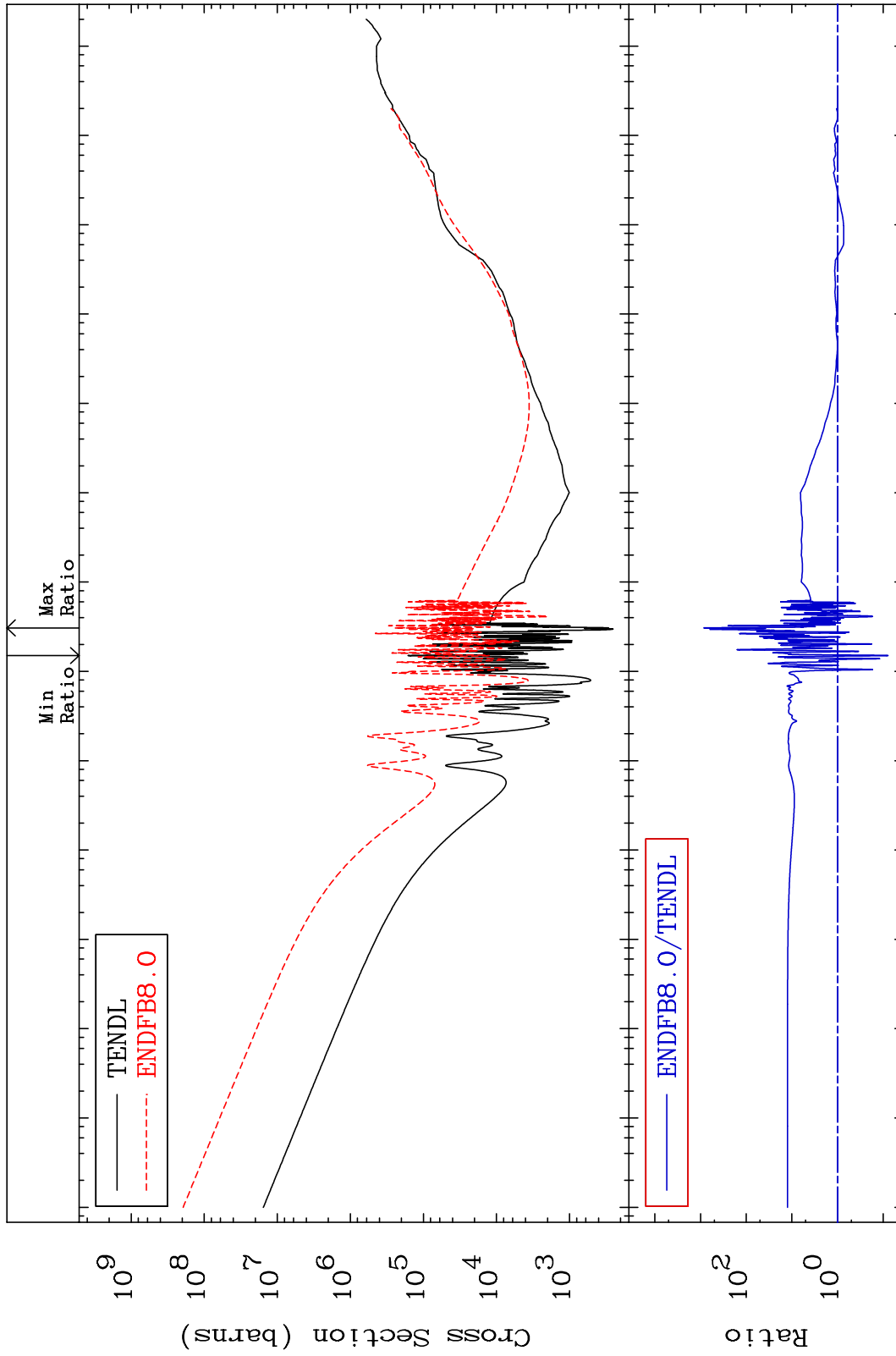
MAT 6328

Dpa total (eV-barns)

63-Eu-152

-92.21 To 9999. %

Cross Section



Incident Energy (eV)

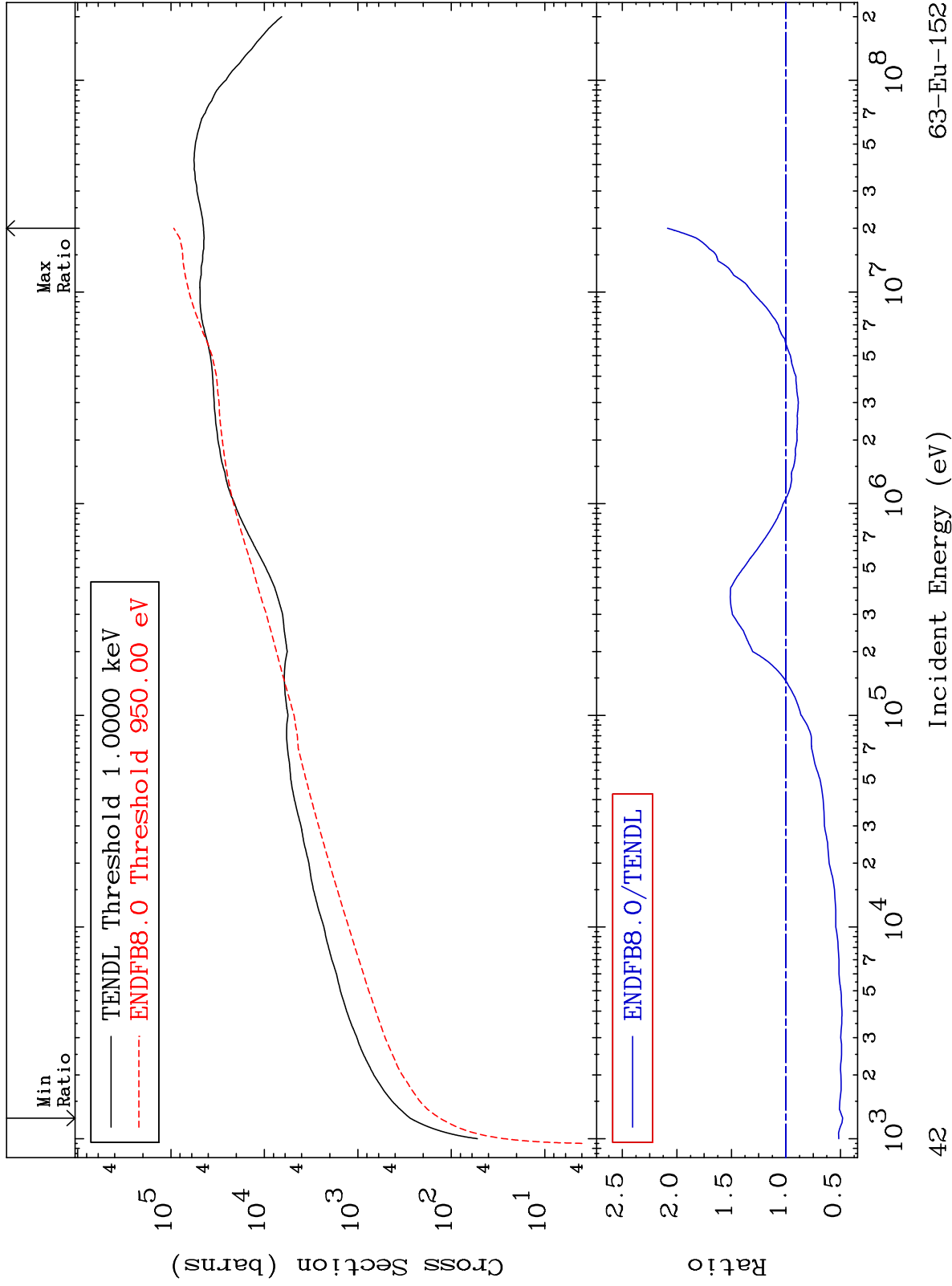
41

63-Eu-152

MAT 6328

Dpa elastic (mt2)
Cross Section

63-Eu-152
-52.01 To 108.6 %

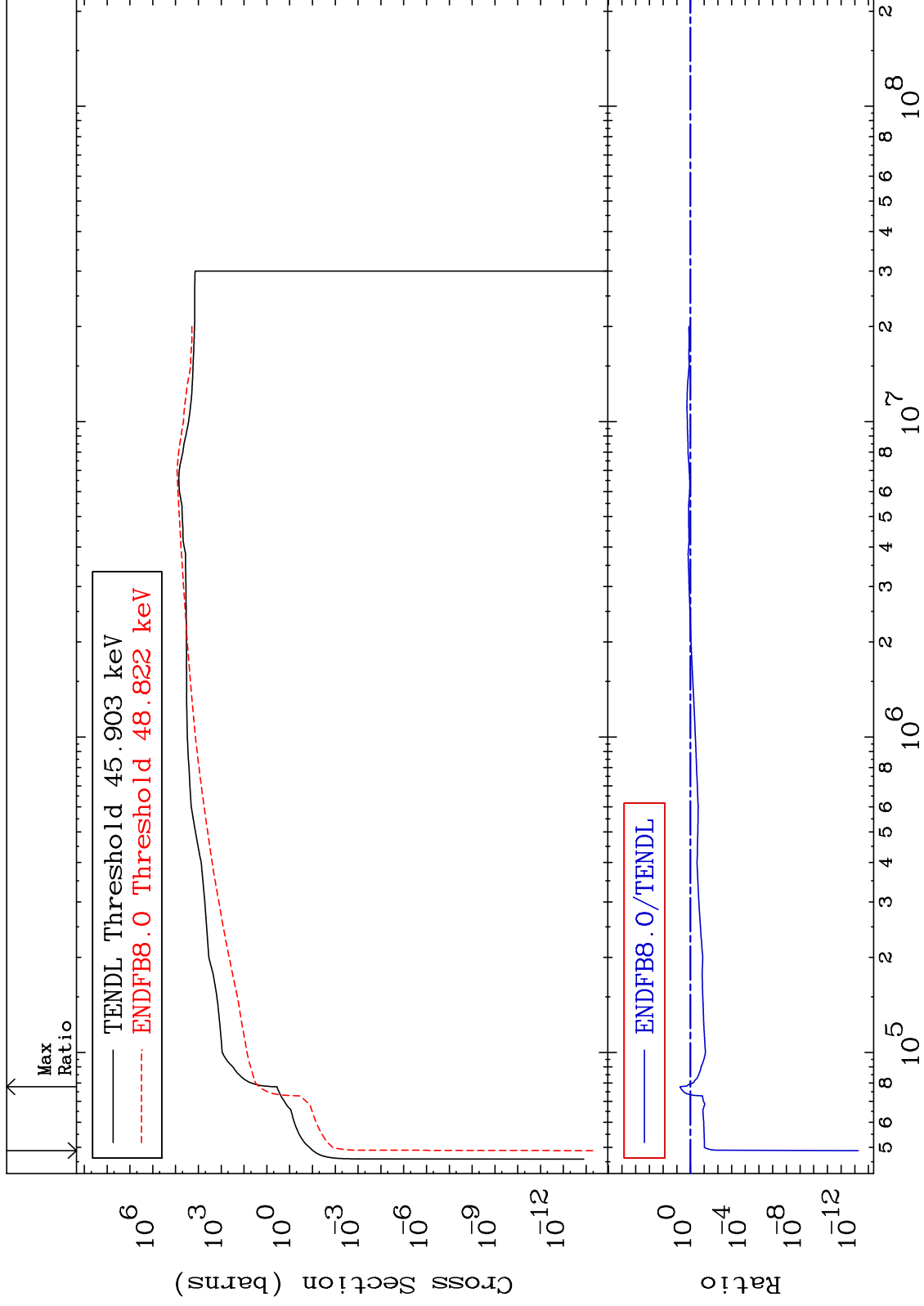


63-Eu-152

MAT 6328

Dpa inelastic (mt51-91)
Cross Section

63-Eu-152
-100.0 To 482.4 %



MAT 6328

Dpa disappearance (mt102 -120)
Cross Section

63-Eu-152
-92.21 To 9999. %

