

Program Complot
(Version 2018-1)

by

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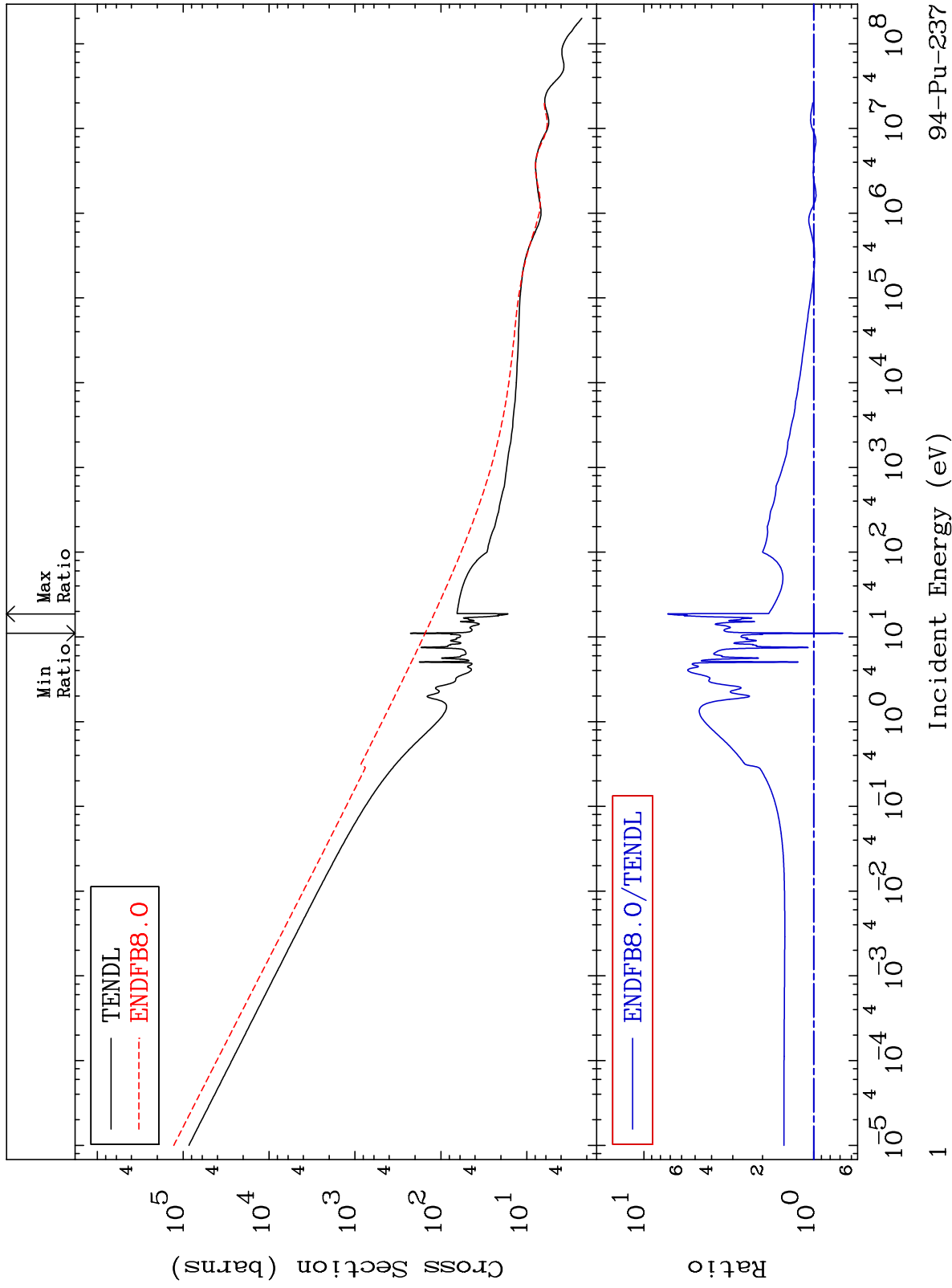
Press Mouse Button to Start

MAT 9431

94-Pu-237

-32.45 To 625.9 %

Total
Cross Section



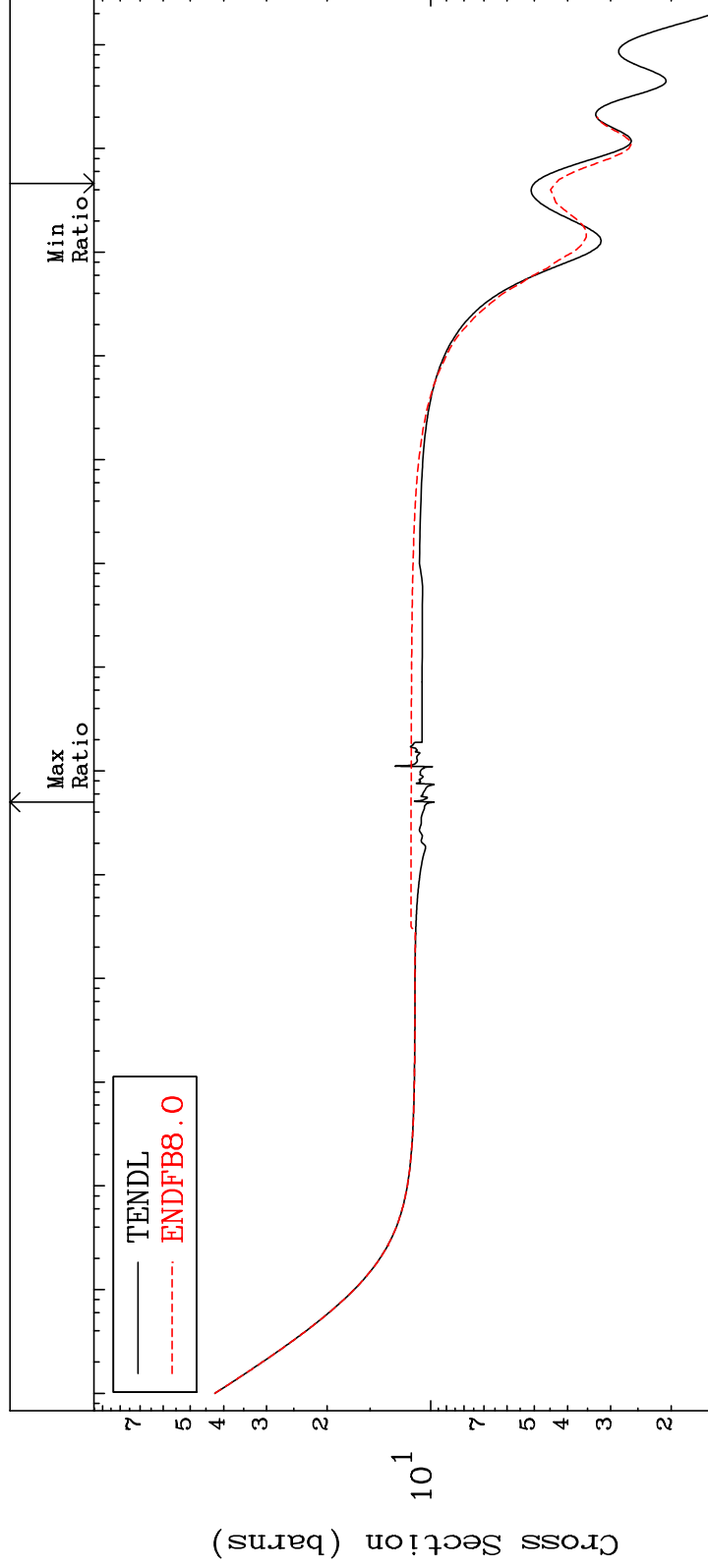
MAT 9431

Elastic

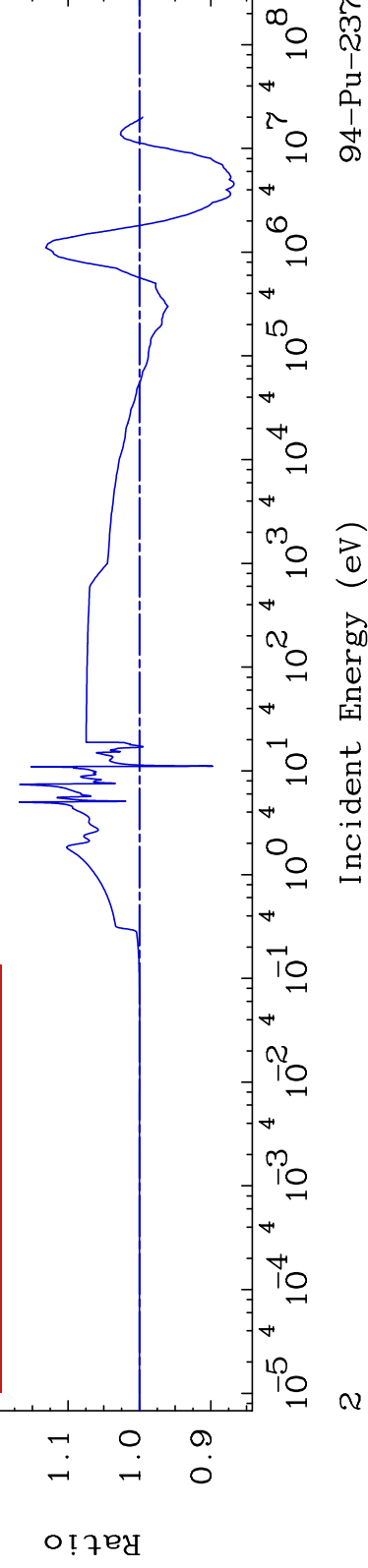
94-Pu-237

Cross Section

-13.24 To 16.81 %



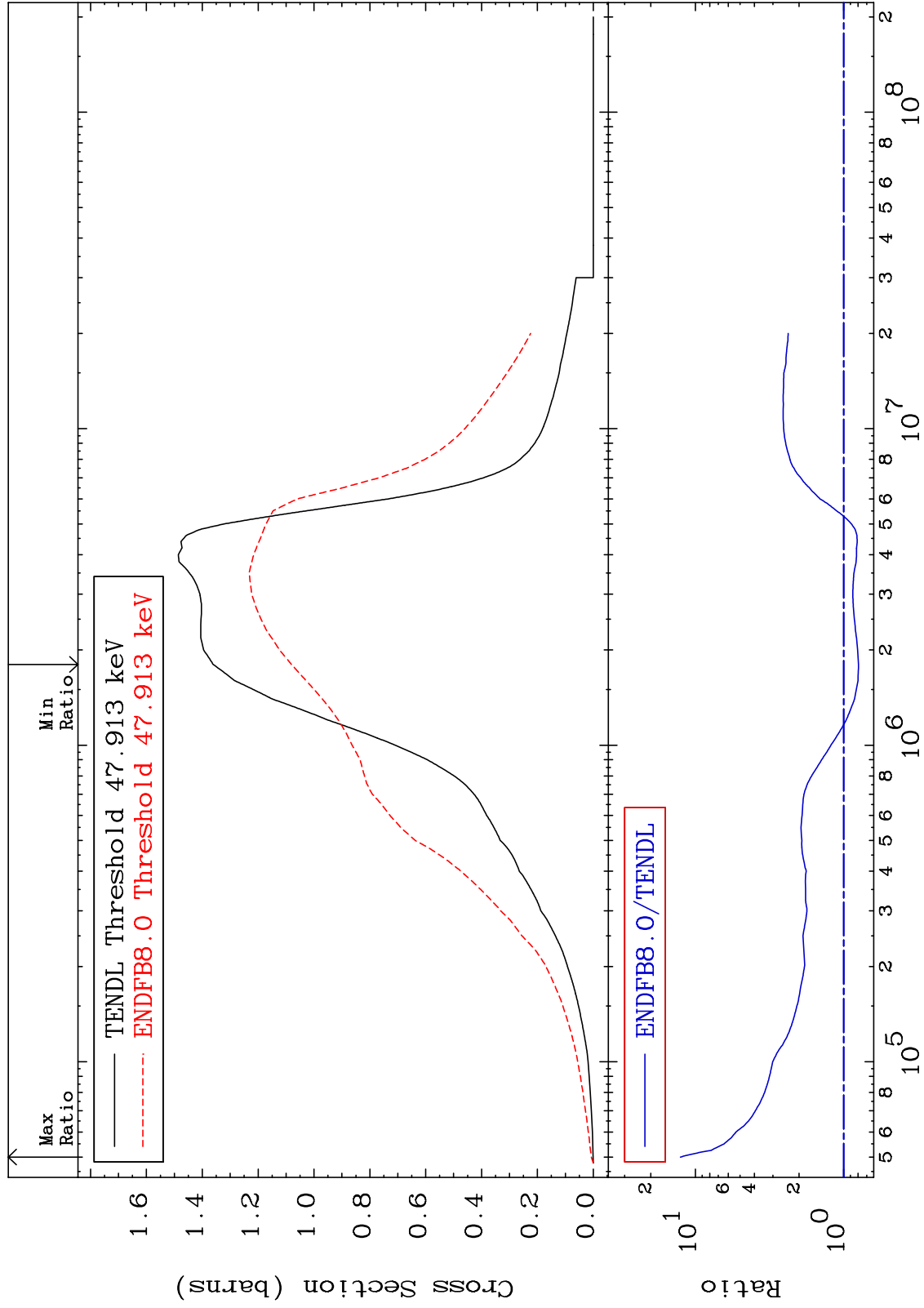
ENDFB8.0/TENDL



MAT 9431

Inelastic
Cross Section

94-Pu-237
-20.58 To 1160. %



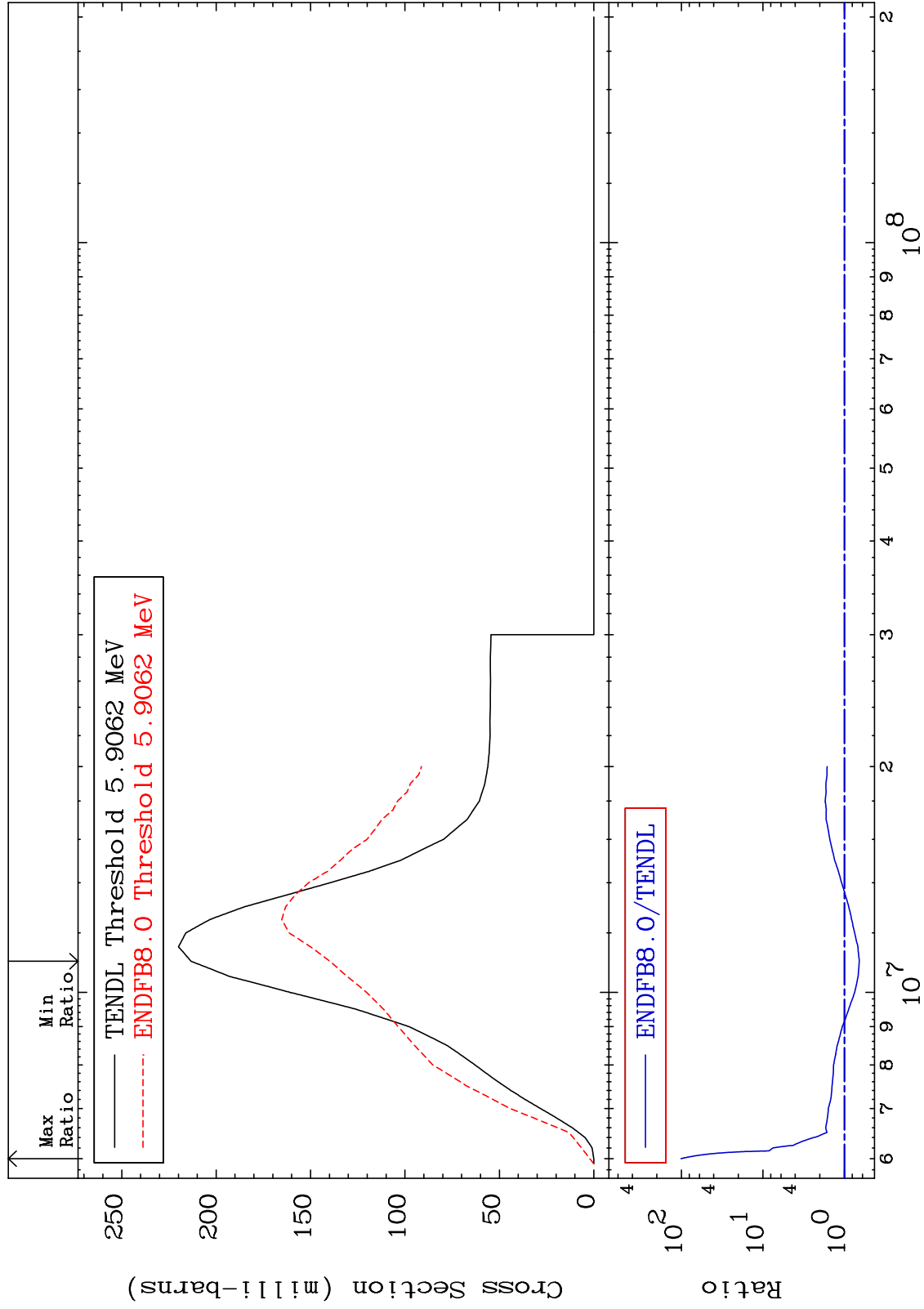
MAT 9431

(n,2n)

94-Pu-237

Cross Section

-34.47 To 9983. %



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Incident Energy (eV)

94-Pu-237

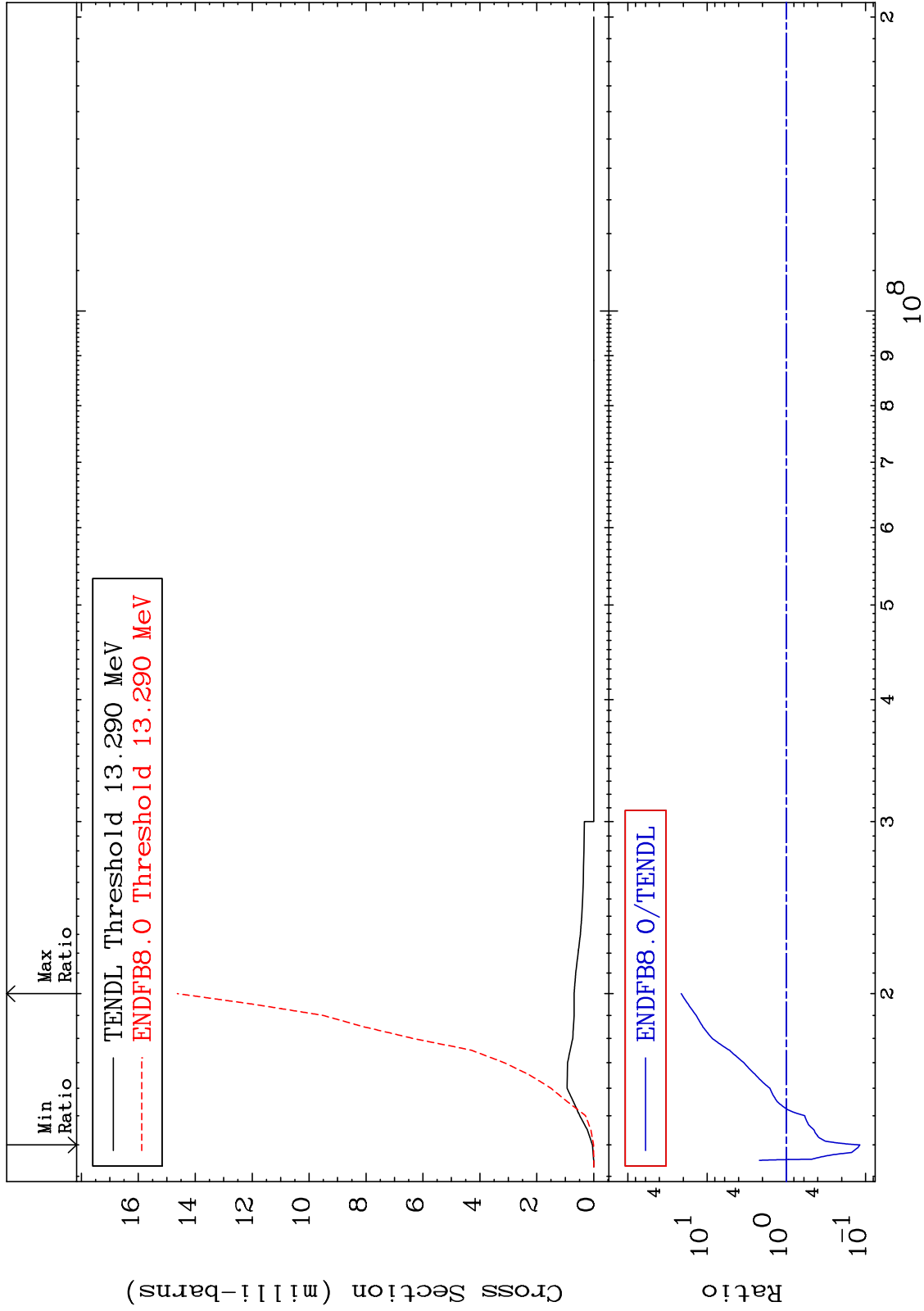
MAT 9431

(n, 3n)

94-Pu-237

Cross Section

-88.25 To 2020. %



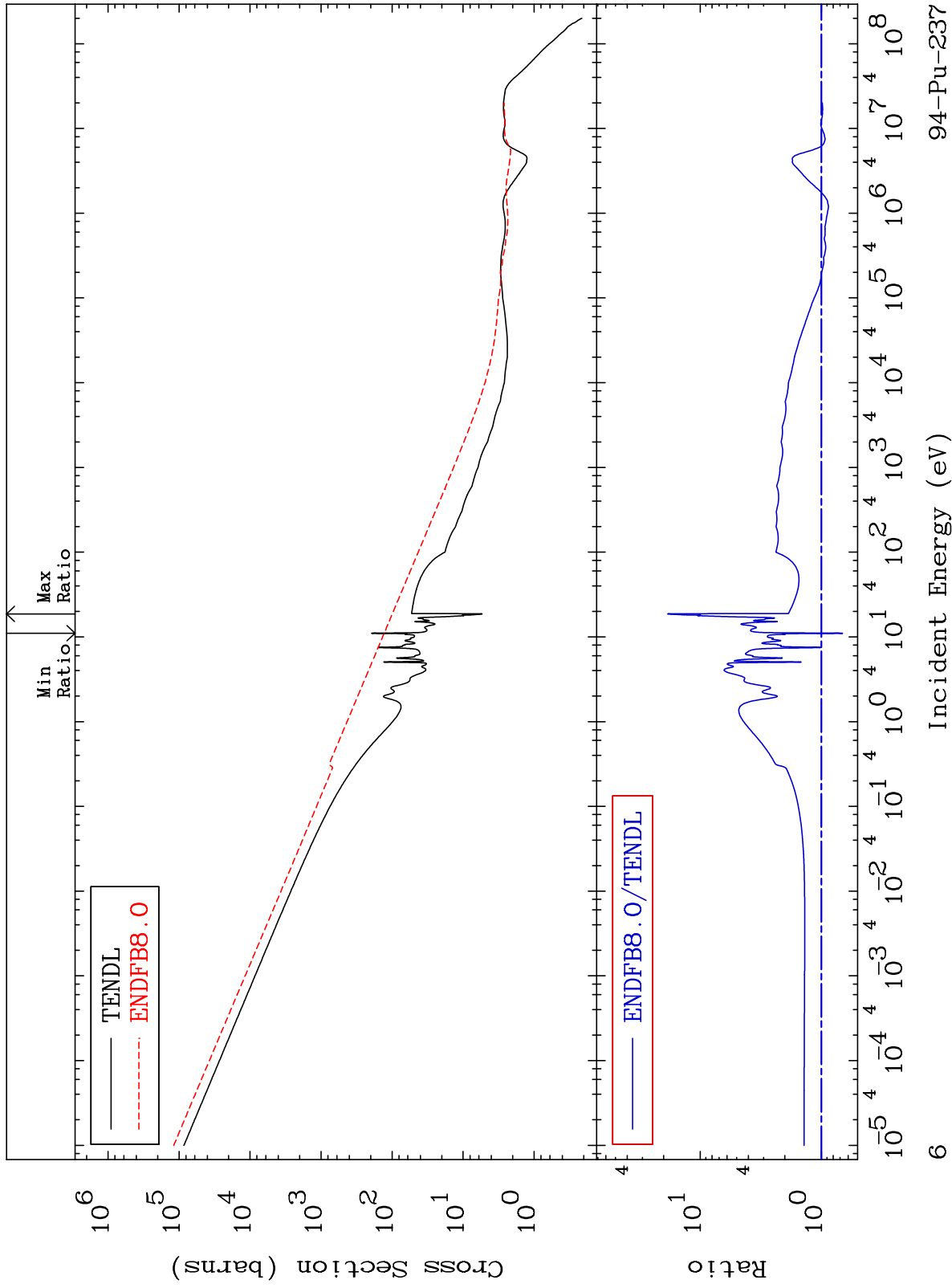
5

Incident Energy (eV)

94-Pu-237

MAT 9431

Fission Cross Section
94-Pu-237
-33.26 To 1760. %



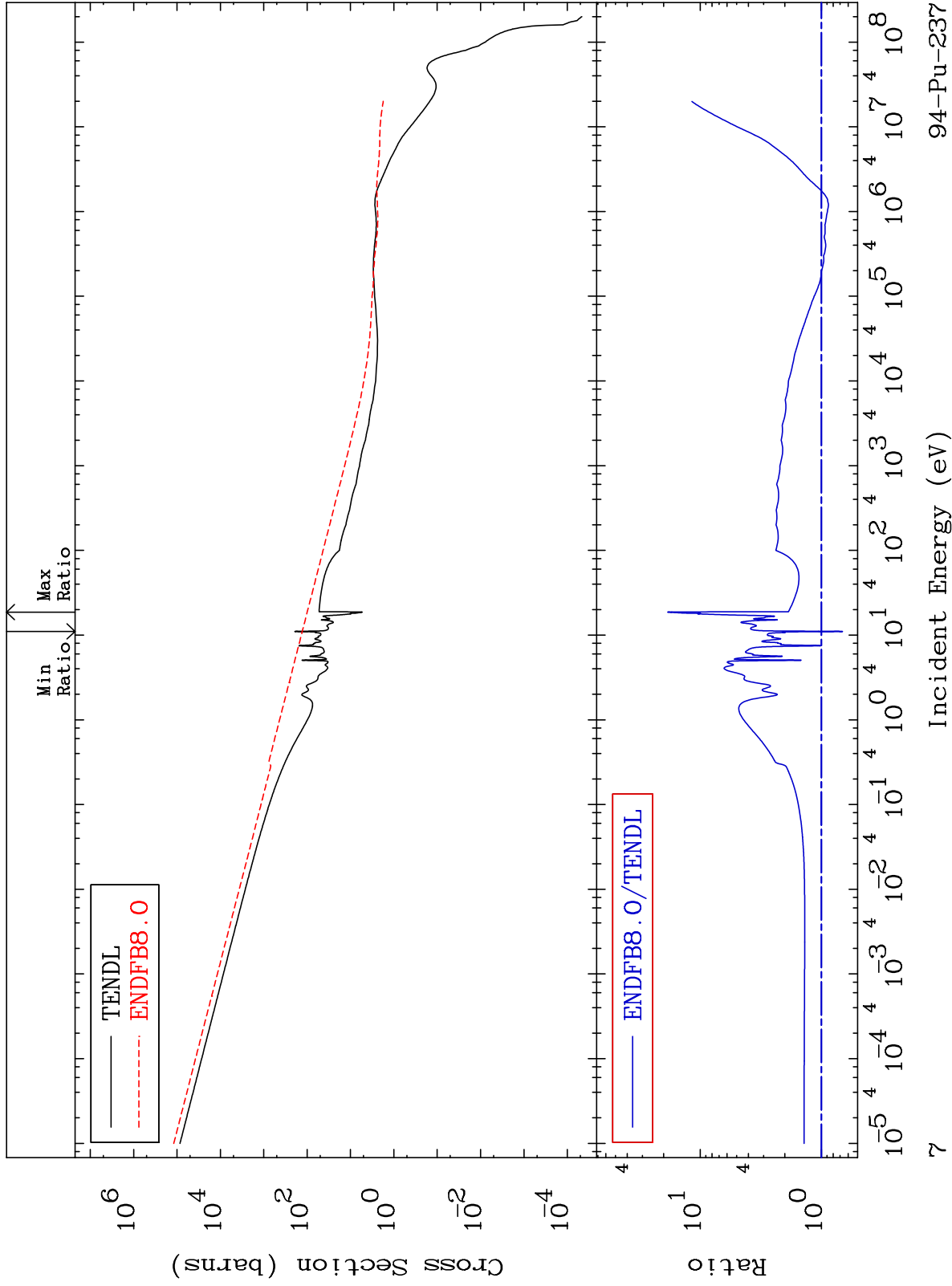
94-Pu-237

Incident Energy (eV)

MAT 9431

(n,f) First Chance
Cross Section

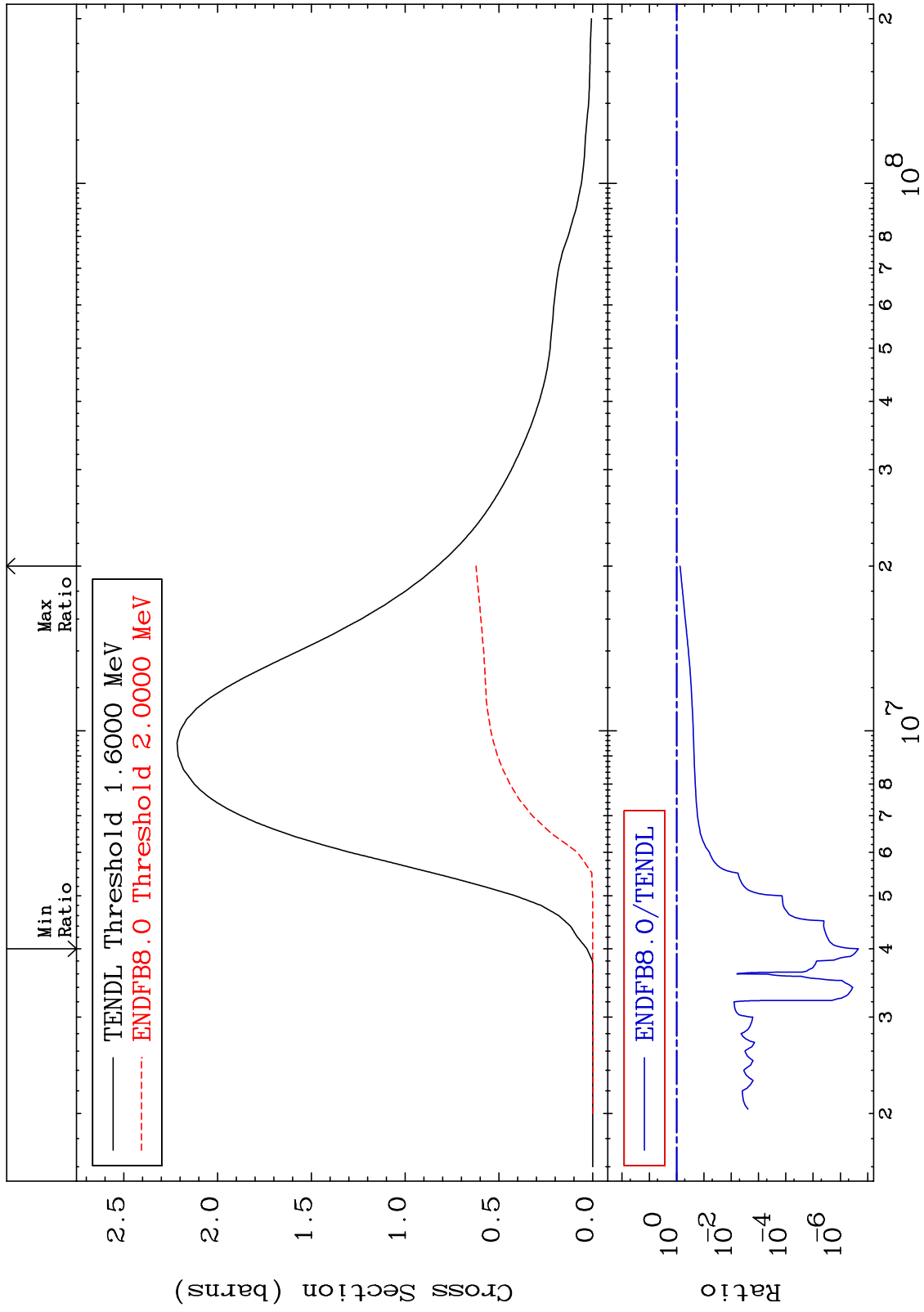
94-Pu-237
-33.26 To 1760. %



MAT 9431

(n, nf) Second Chance
Cross Section

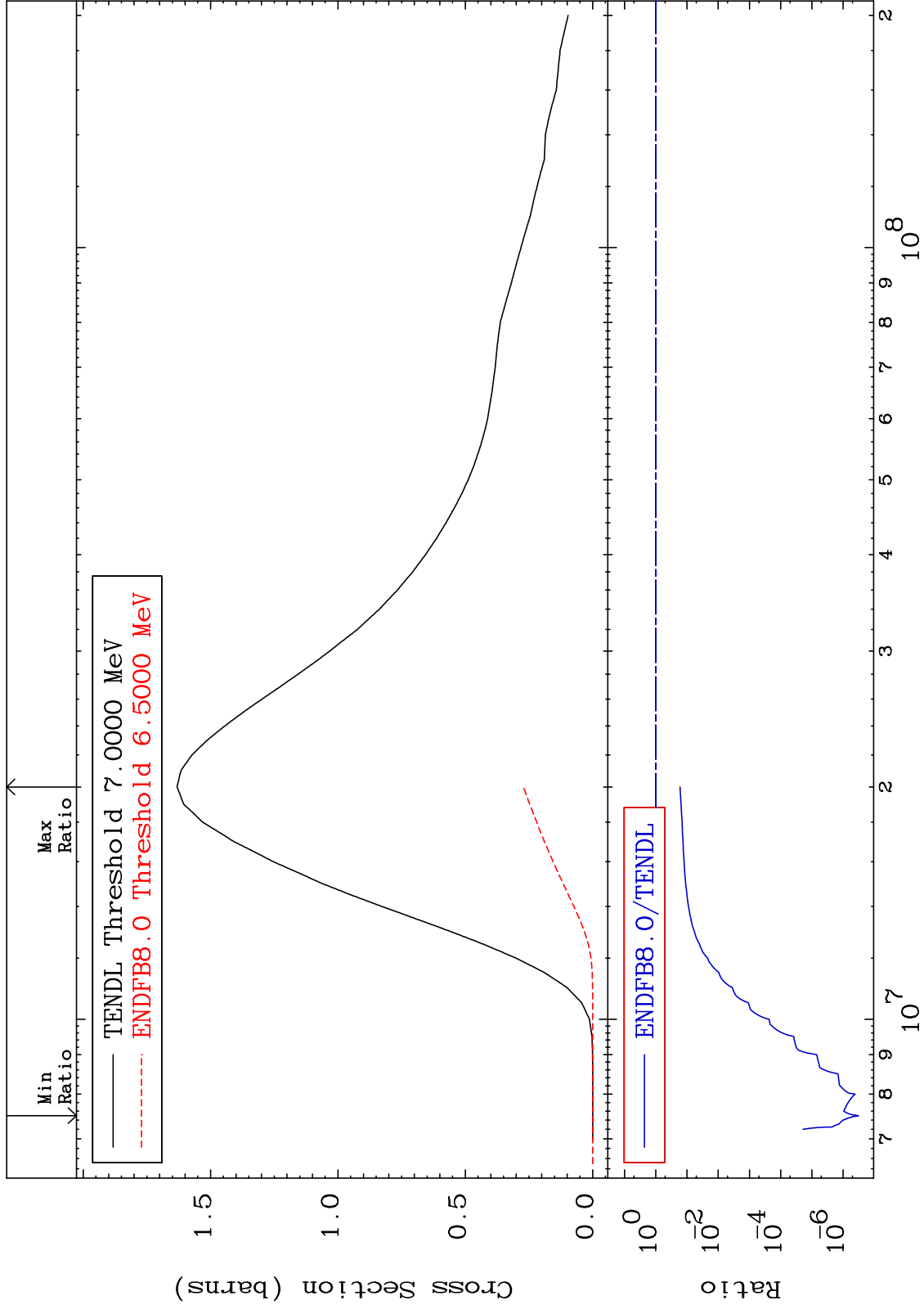
94-Pu-237
-100.0 To -24.96%



MAT 9431

(n,2nf) Third Chance
Cross Section

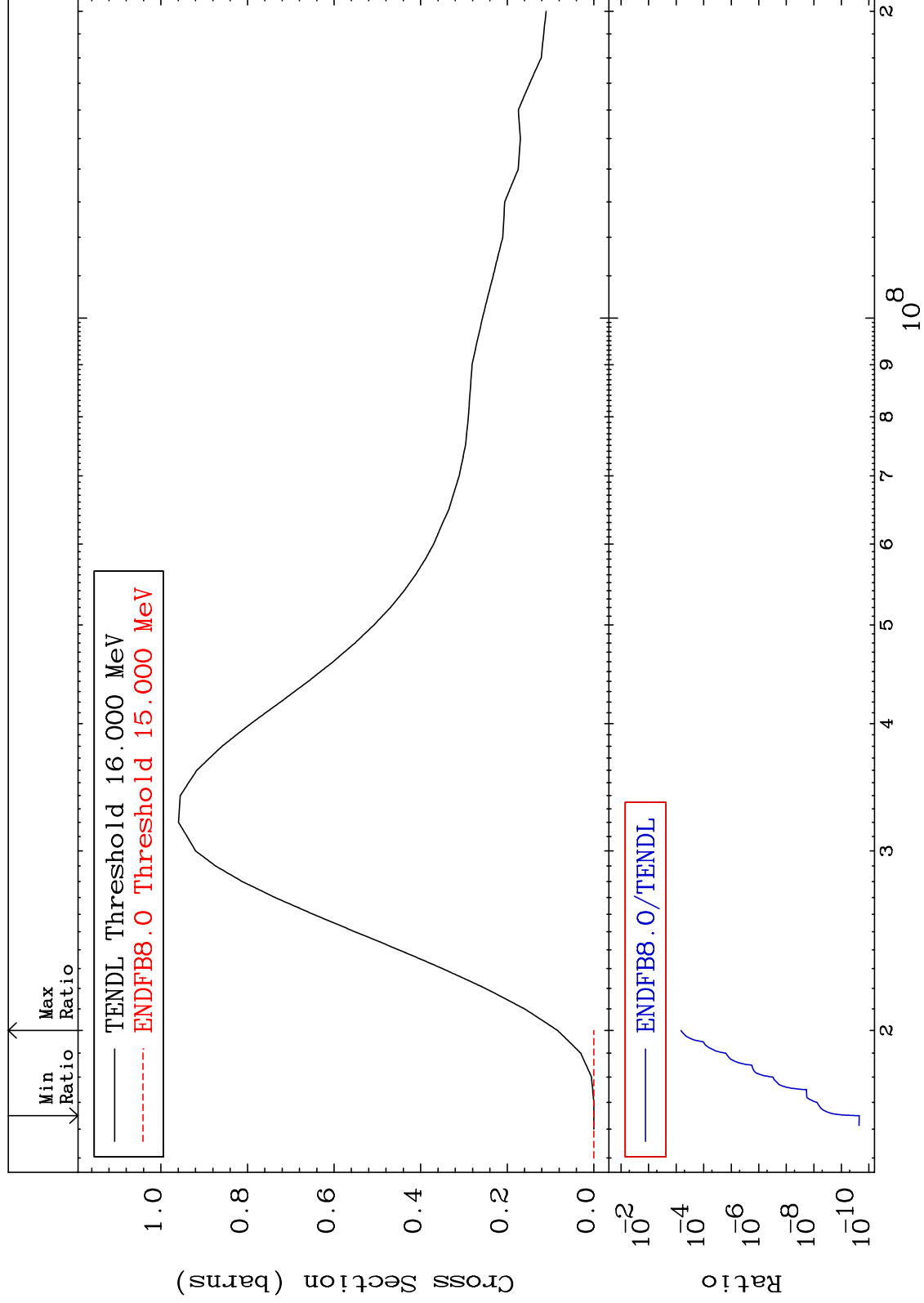
94-Pu-237
-100.0 To -83.33%



MAT 9431

(n,3nf) Fourth Chance
Cross Section

94-Pu-237
-100.0 To -99.93%



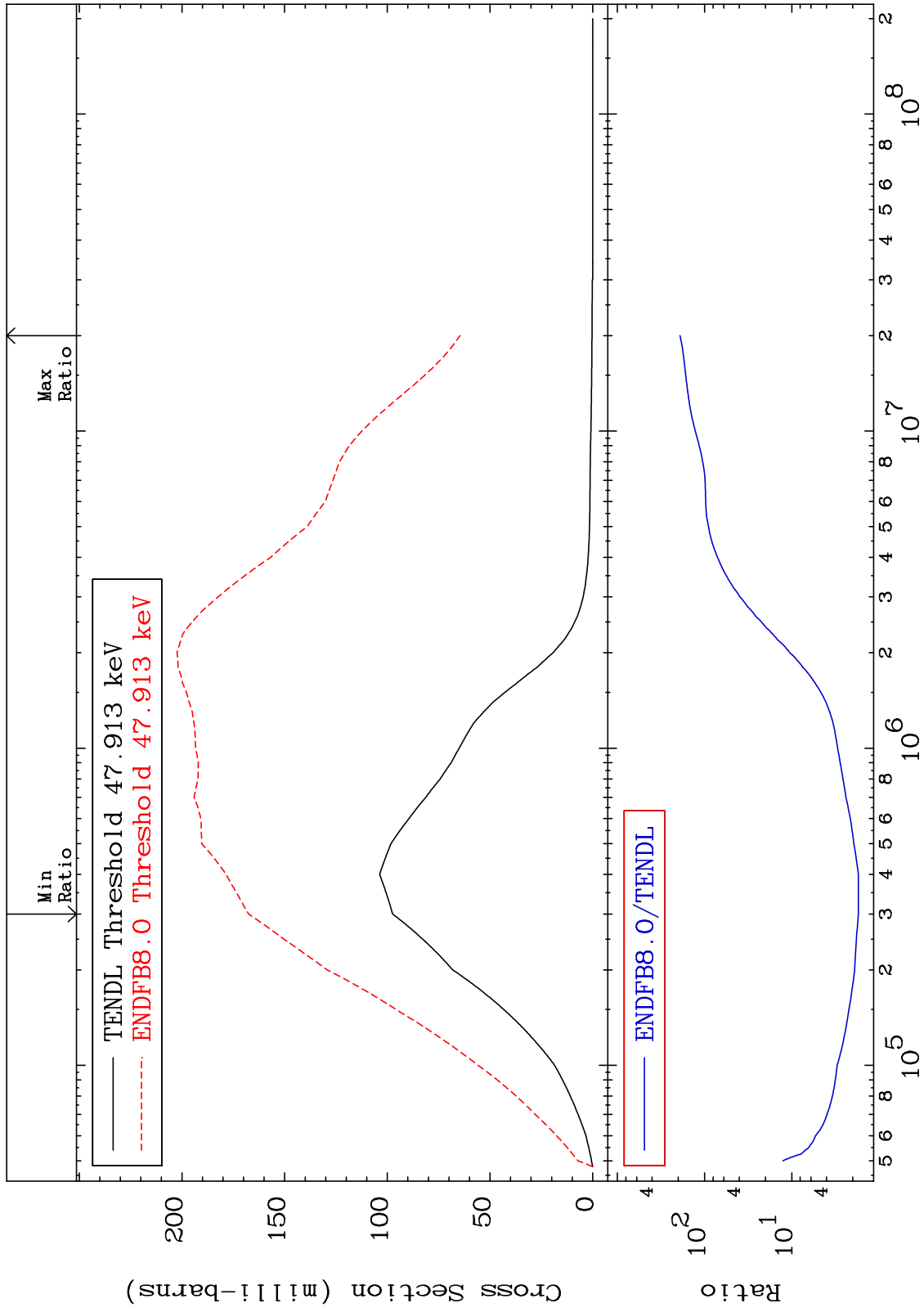
Min Ratio
Max Ratio
TENDL Threshold 16.000 MeV
ENDFB8.0 Threshold 15.000 MeV

ENDFB8.0/TENDL

MAT 9431

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

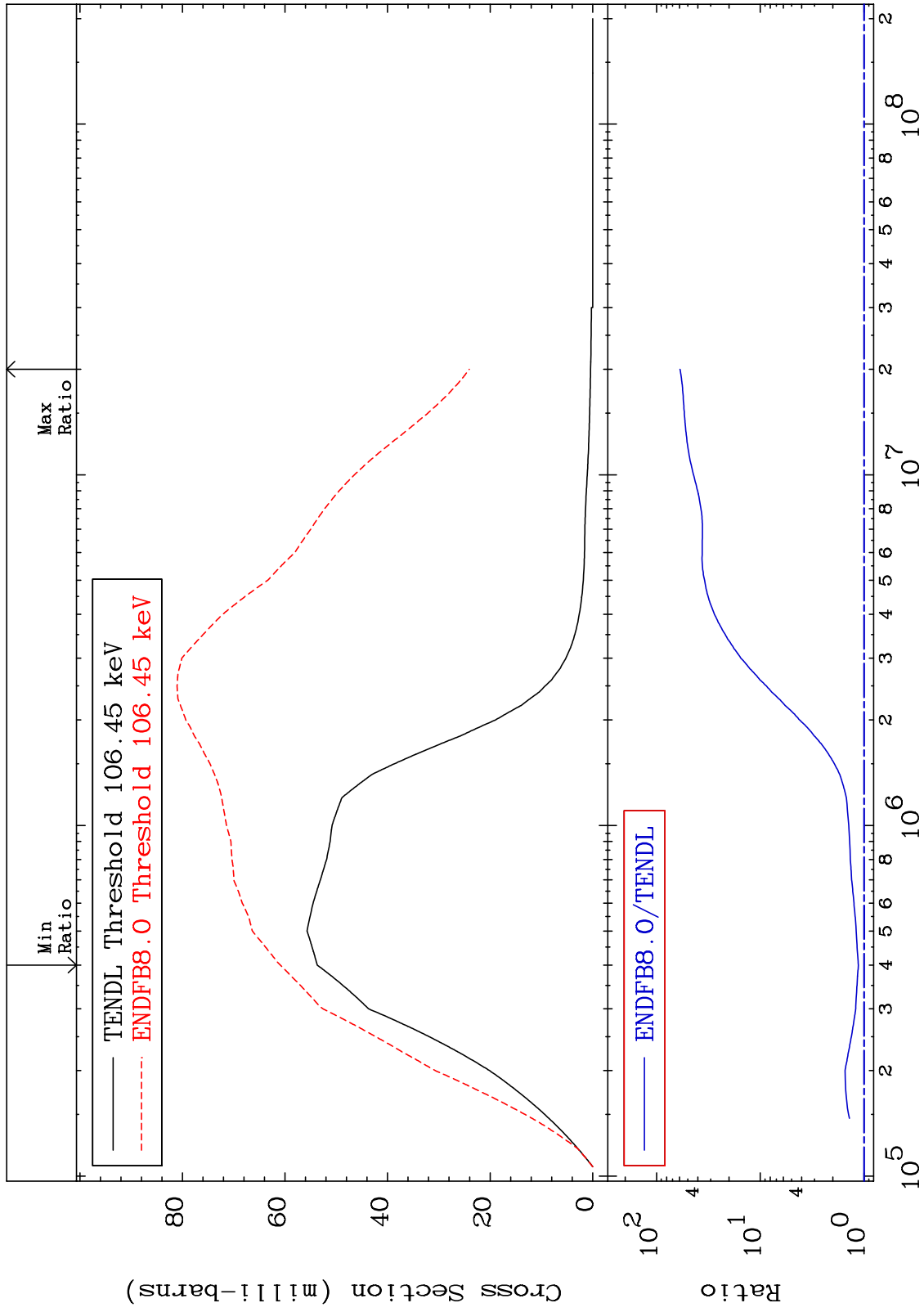
94-Pu-237
72.00 To 9999. %



MAT 9431

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

94-Pu-237
13.36 To 5837. %



94-Pu-237

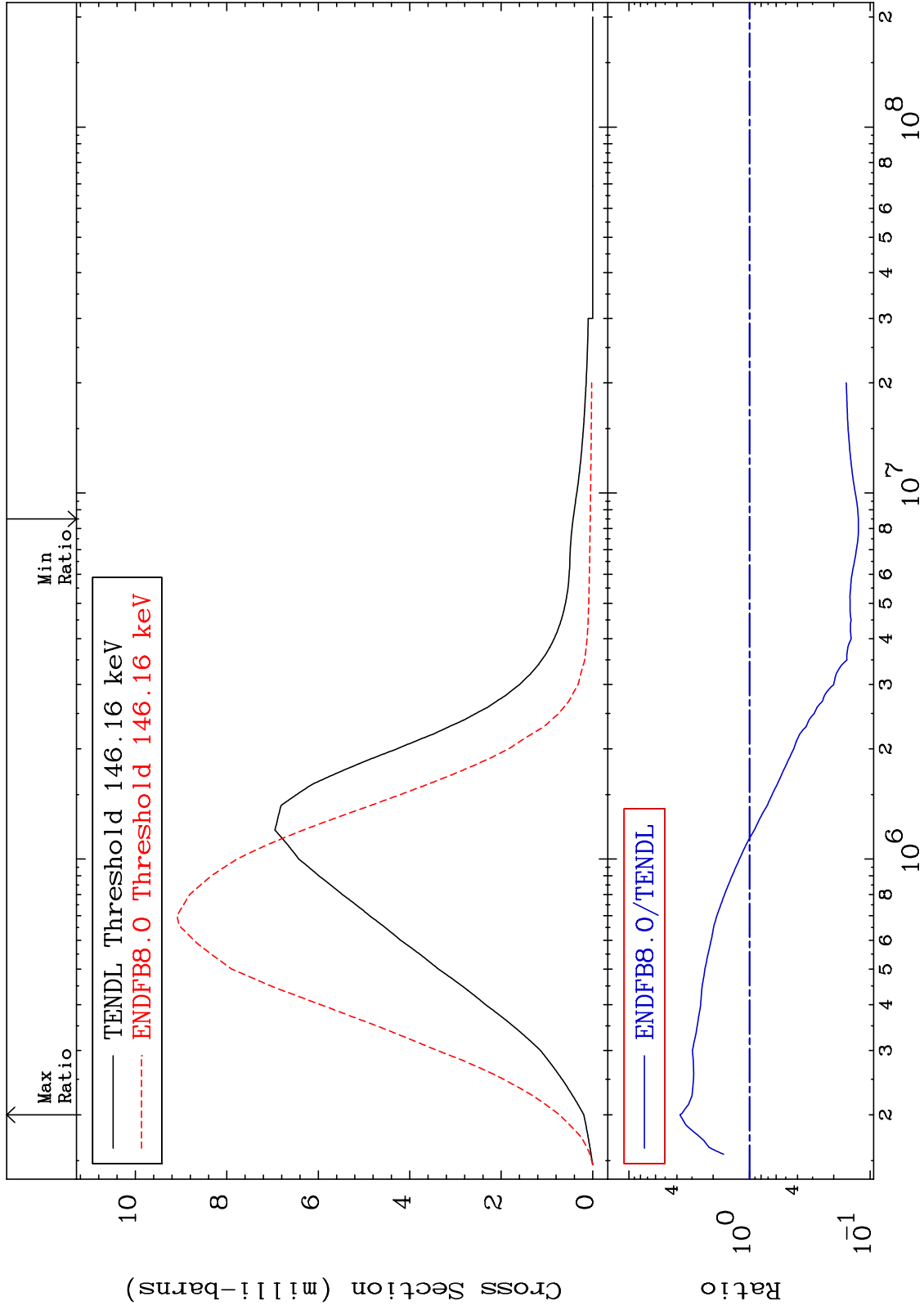
Incident Energy (eV)

12

MAT 9431

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

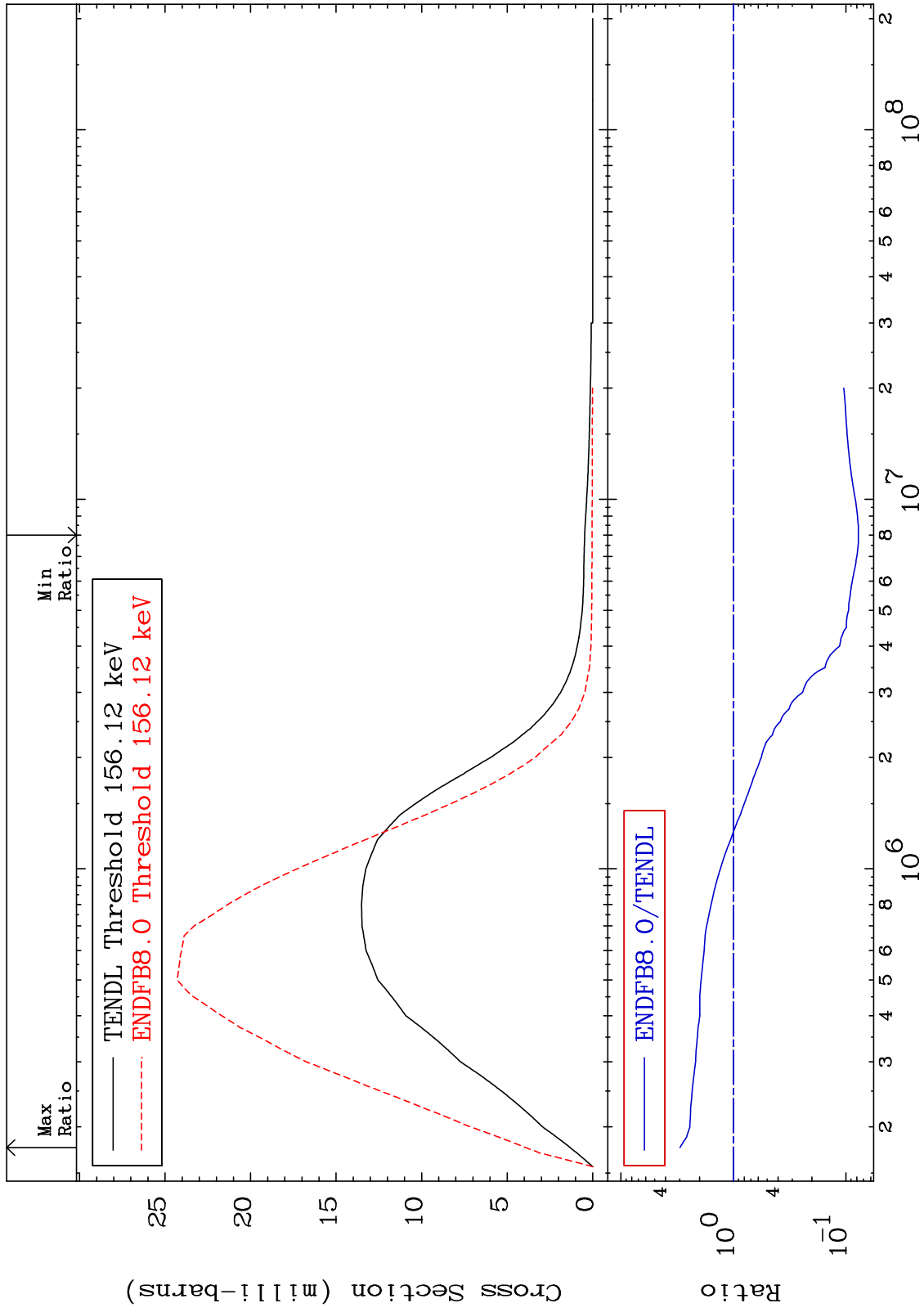
94-Pu-237
-87.50 To 276.6 %



MAT 9431

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

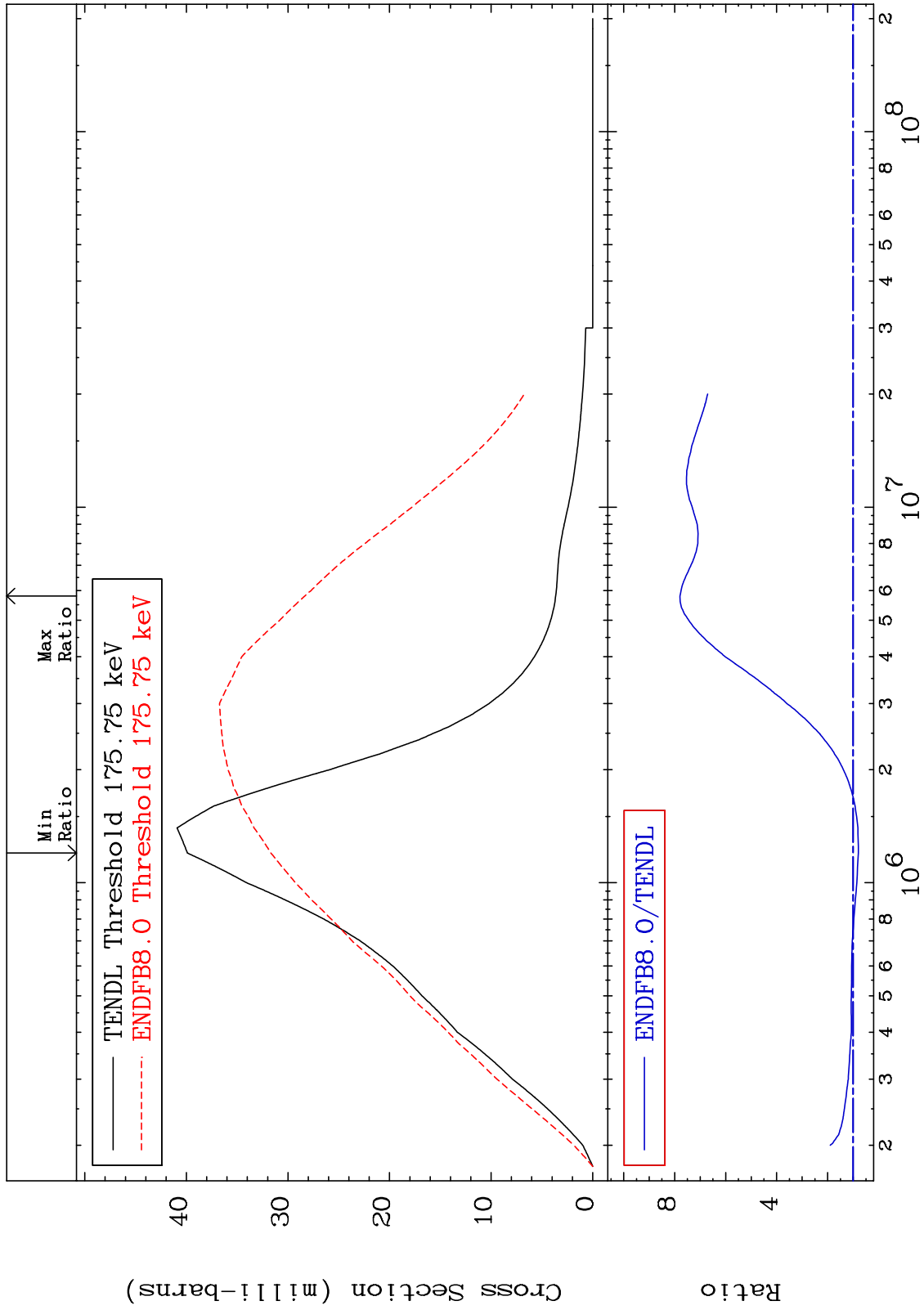
94-Pu-237
-92.26 To 197.9 %



MAT 9431

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

94-Pu-237
-20.60 To 679.1 %



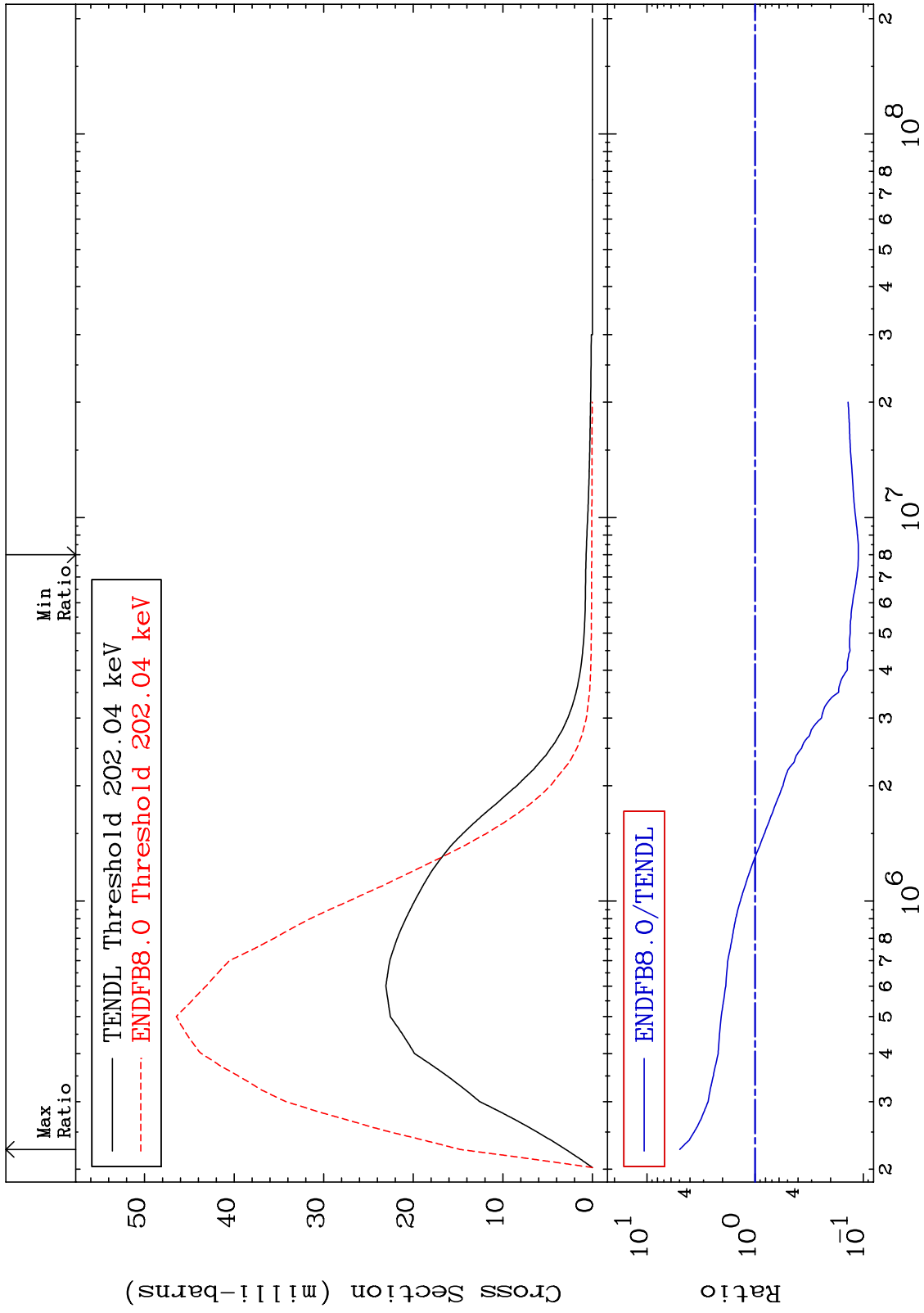
15

94-Pu-237

MAT 9431

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

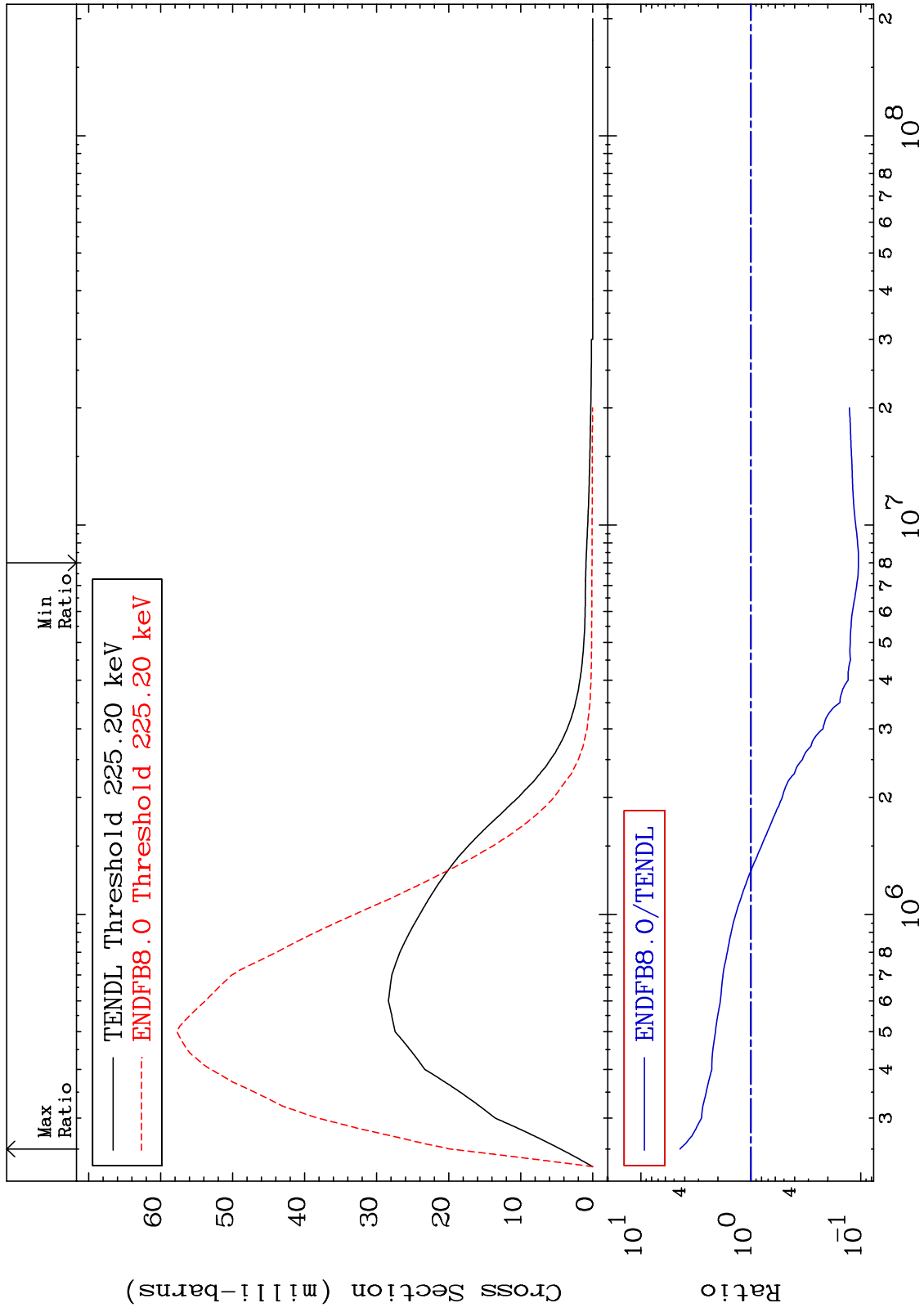
94-Pu-237
-88.91 To 397.2 %



MAT 9431

MT= 57 (n,n') Level
Cross Section

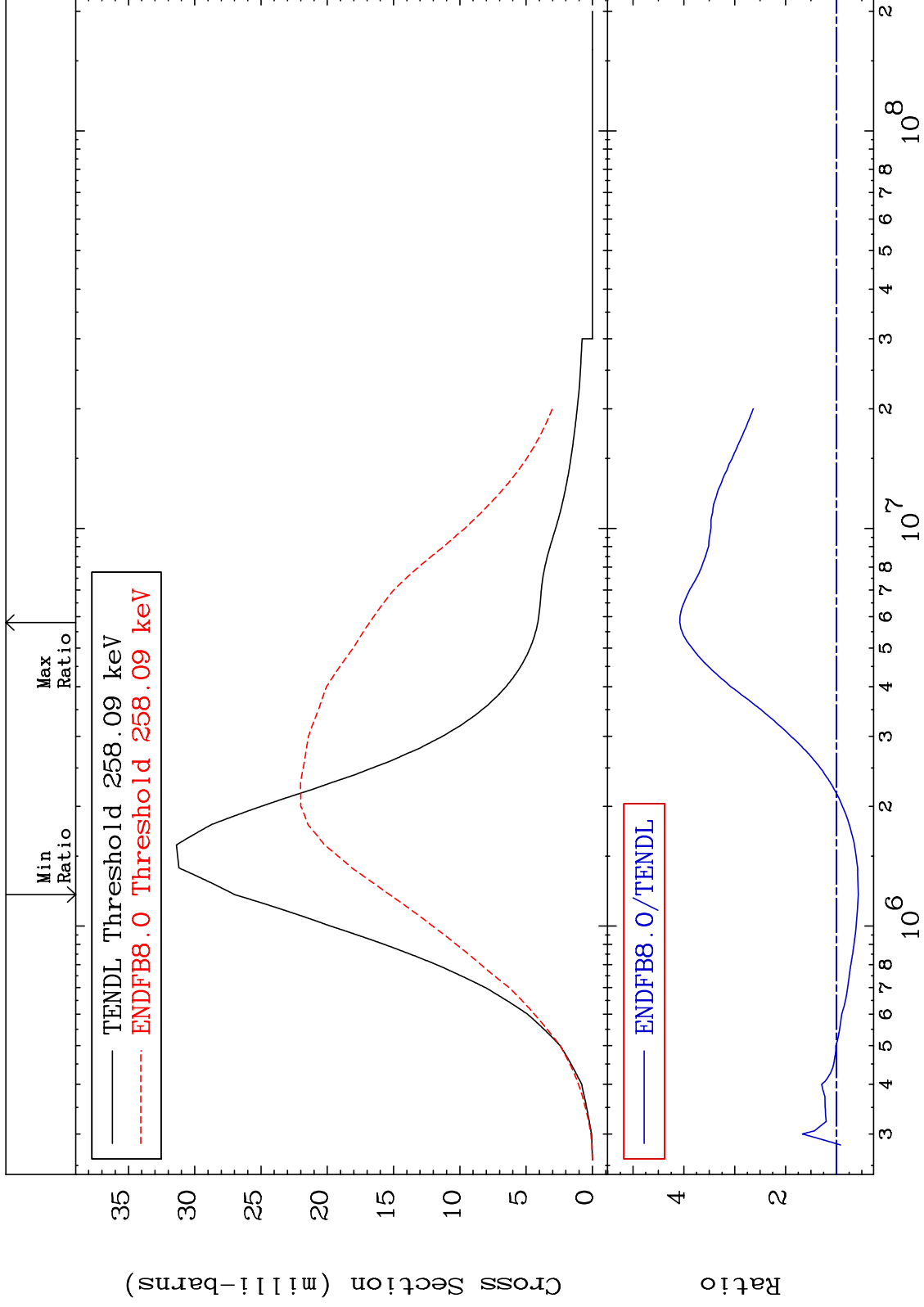
94-Pu-237
-89.47 To 341.8 %



MAT 9431

MT= 58 (n,n') Level
Cross Section

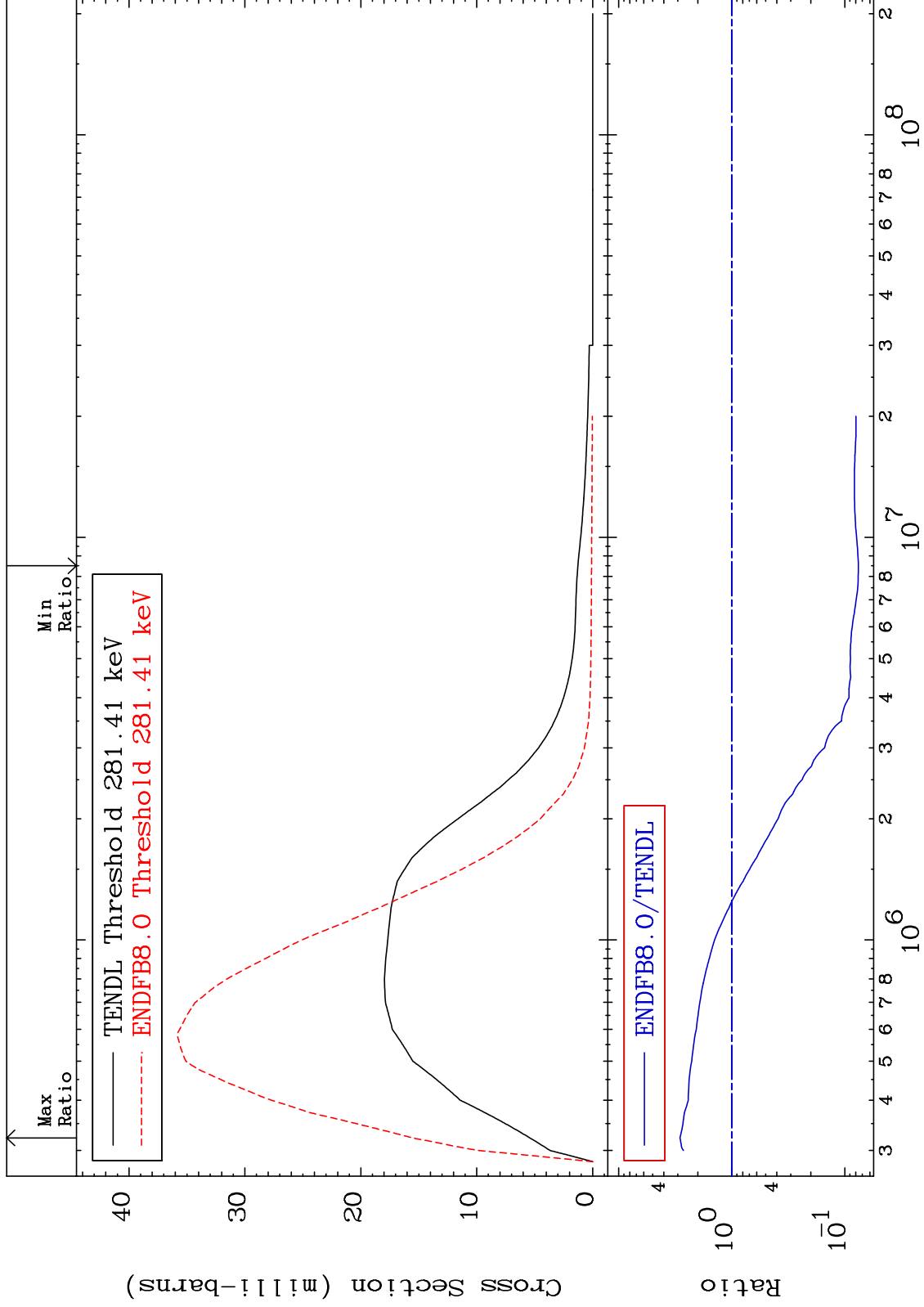
94-Pu-237
-43.25 To 308.0 %



MAT 9431

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

94-Pu-237
-92.43 To 187.0 %



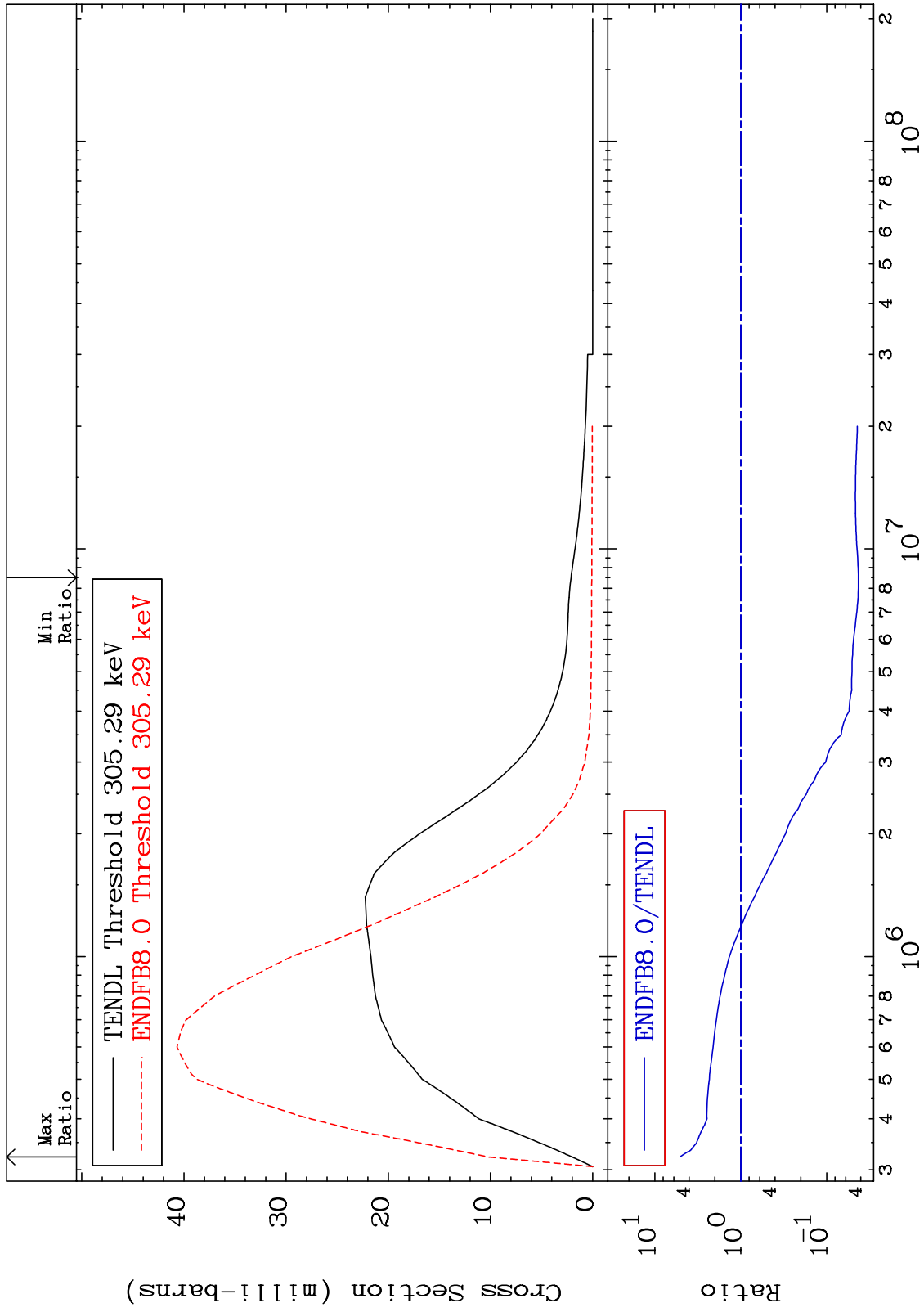
19

94-Pu-237

MAT 9431

MT= 60 (n,n') Level
Cross Section

94-Pu-237
-95.73 To 409.1 %



20

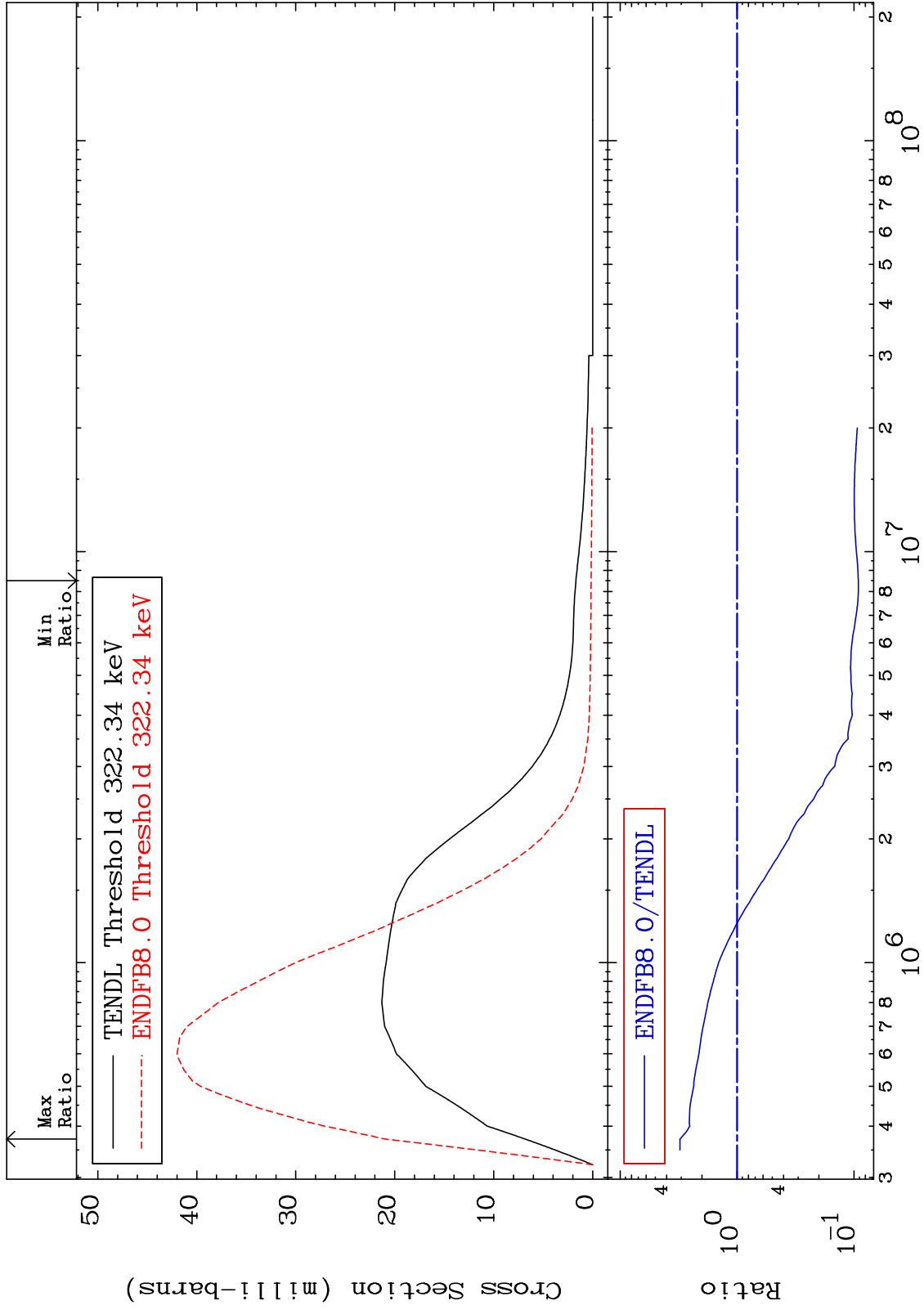
Incident Energy (eV)

94-Pu-237

MAT 9431

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

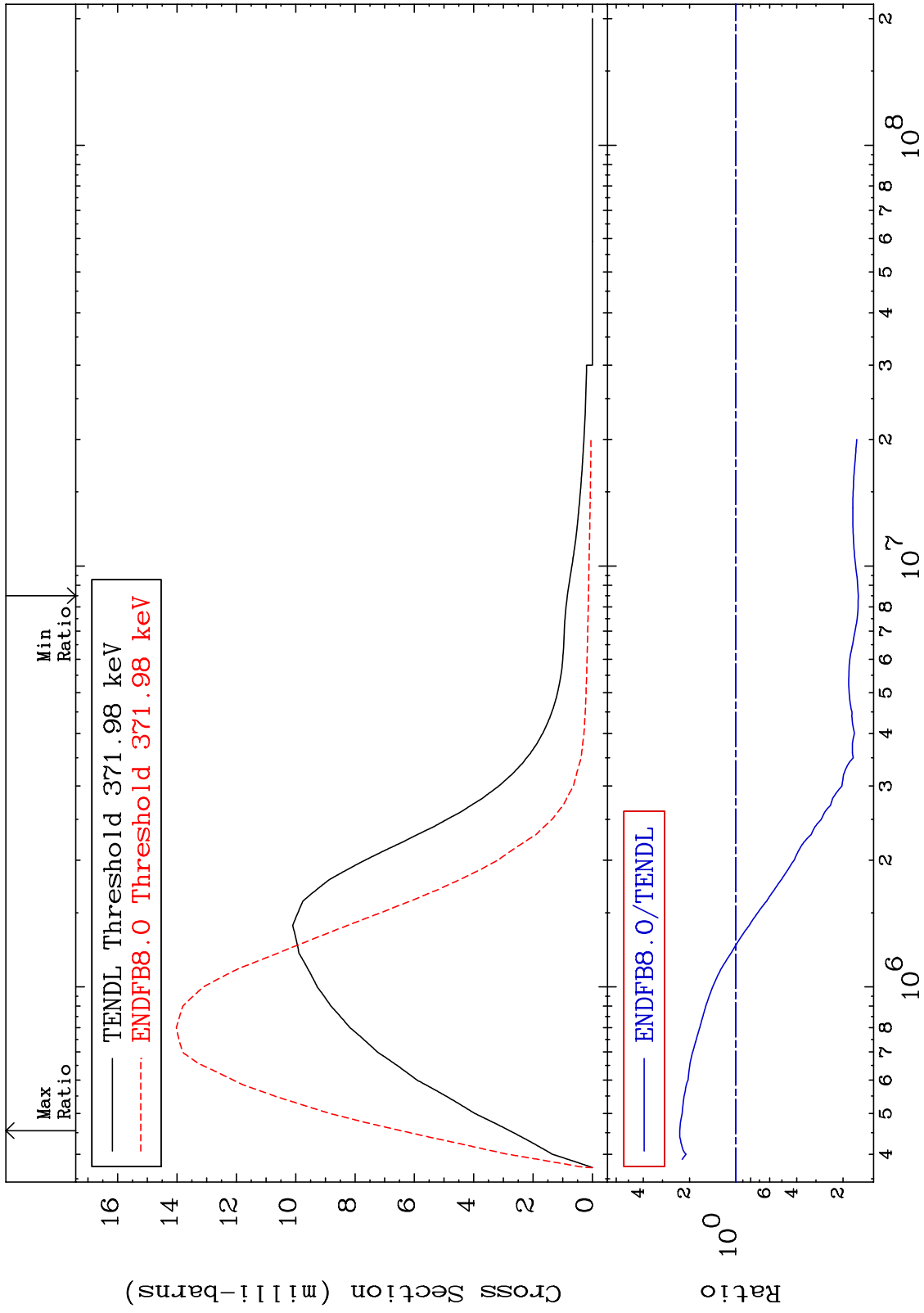
94-Pu-237
-90.83 To 207.7 %



MAT 9431

MT= 62 (n,n') Level
Cross Section

94-Pu-237
-84.11 To 131.4 %



22

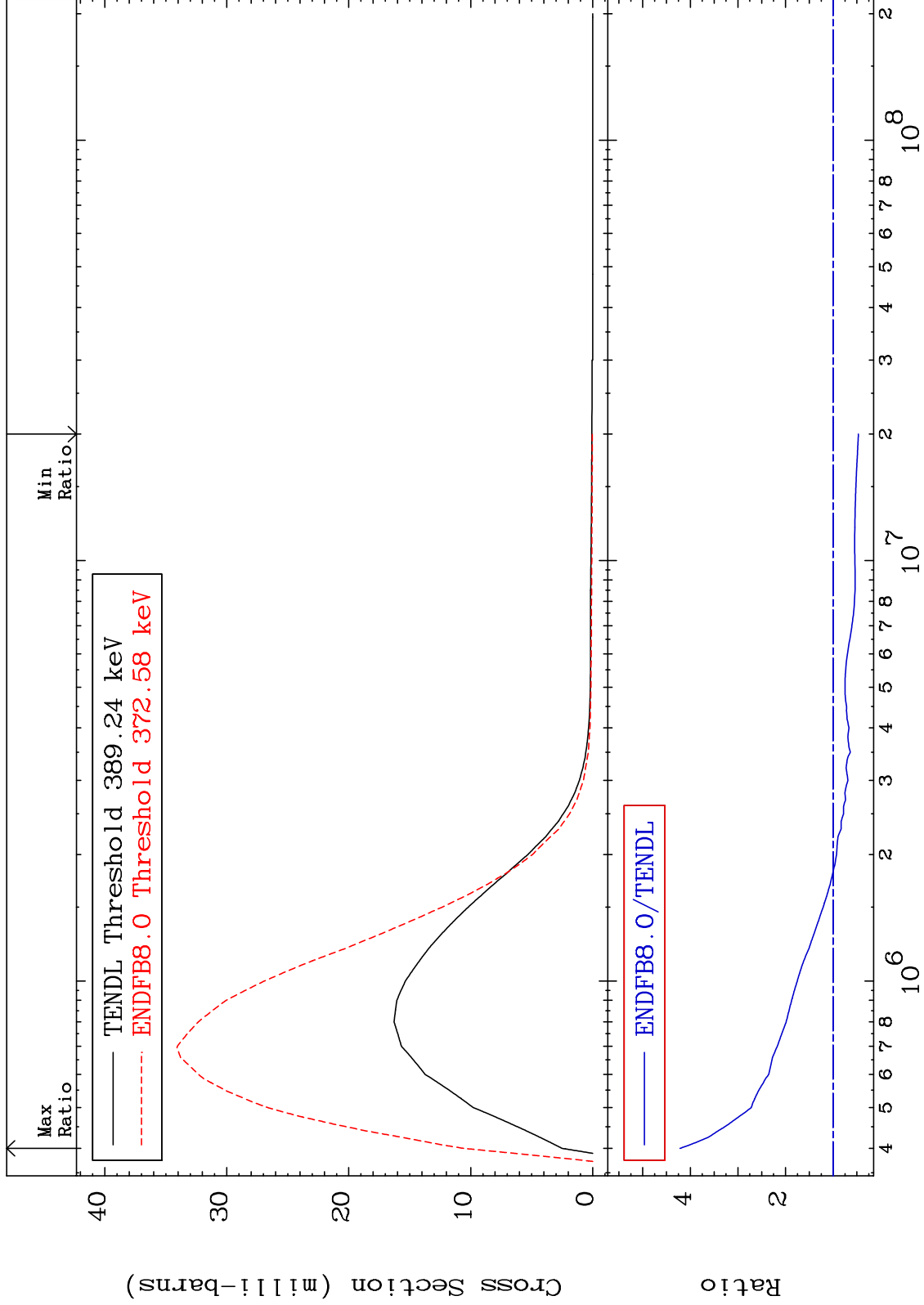
Incident Energy (eV)

94-Pu-237

MAT 9431

MT= 63 (n,n') Level
Cross Section

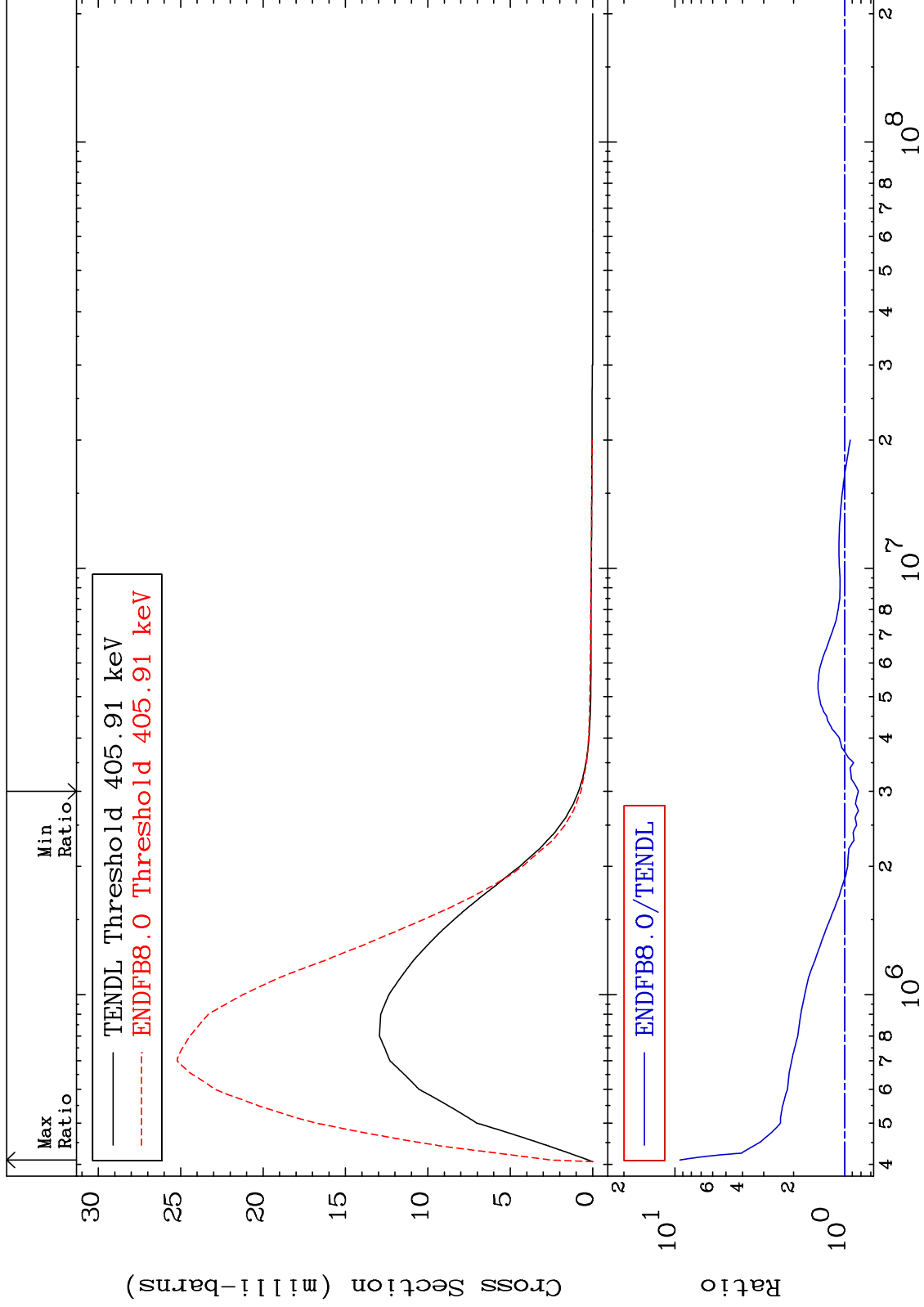
94-Pu-237
-53.13 To 321.7 %



MAT 9431

MT= 64 (n,n') Level
Cross Section

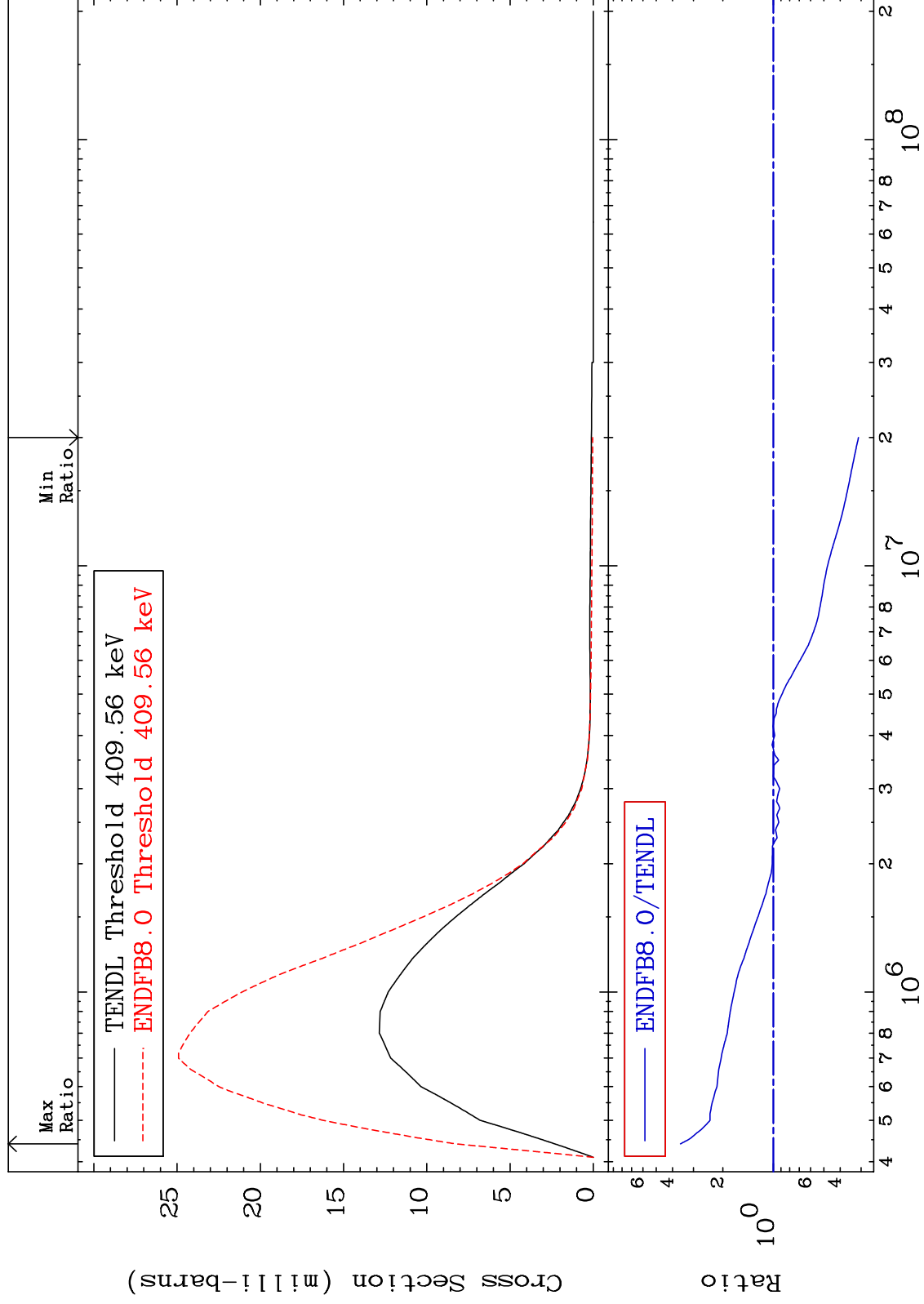
94-Pu-237
-17.09 To 833.3 %



MAT 9431

MT= 65 (n,n') Level
Cross Section

94-Pu-237
-68.94 To 258.4 %



25

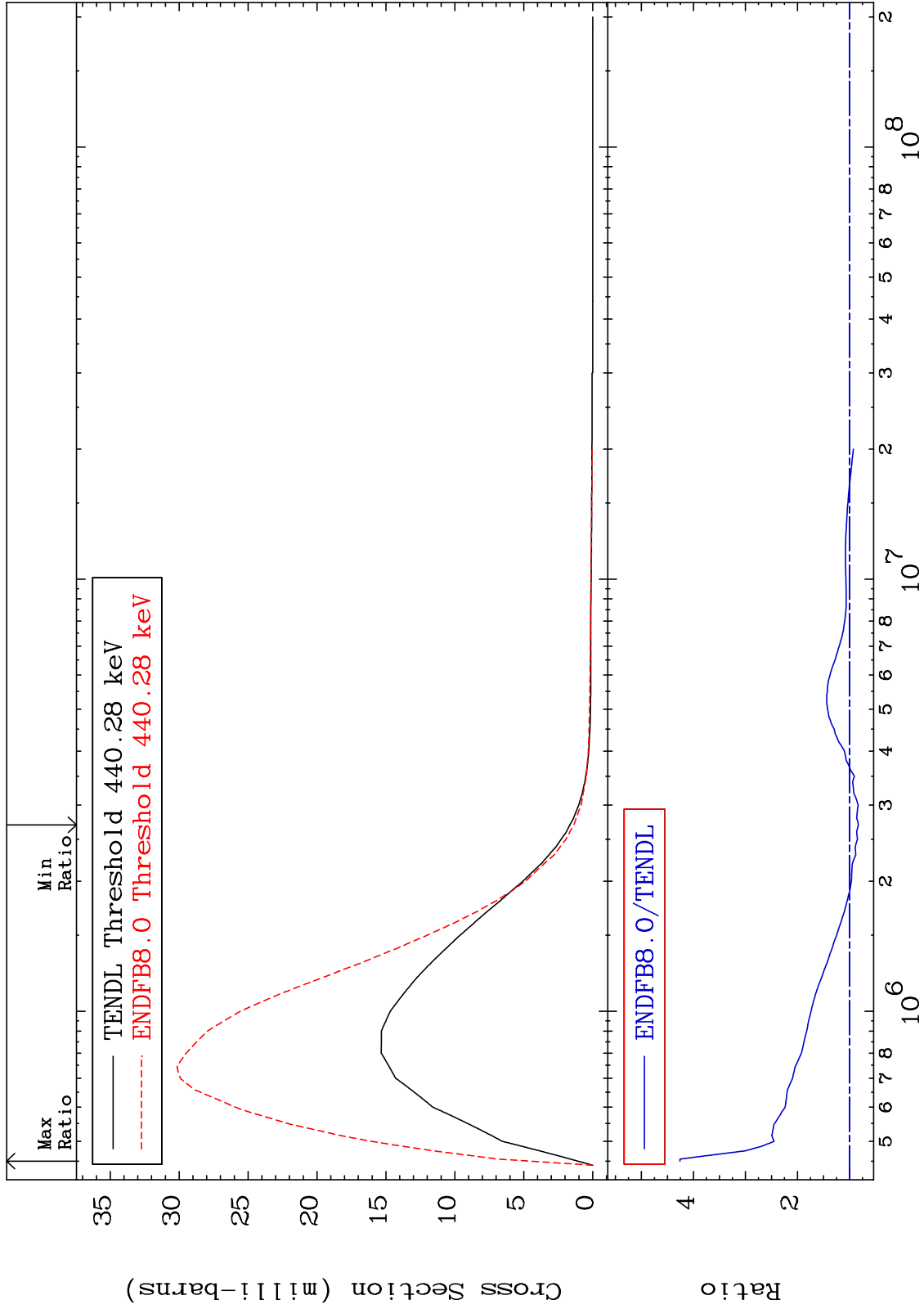
94-Pu-237

94-Pu-237

MAT 9431

MT= 66 (n,n') Level
Cross Section

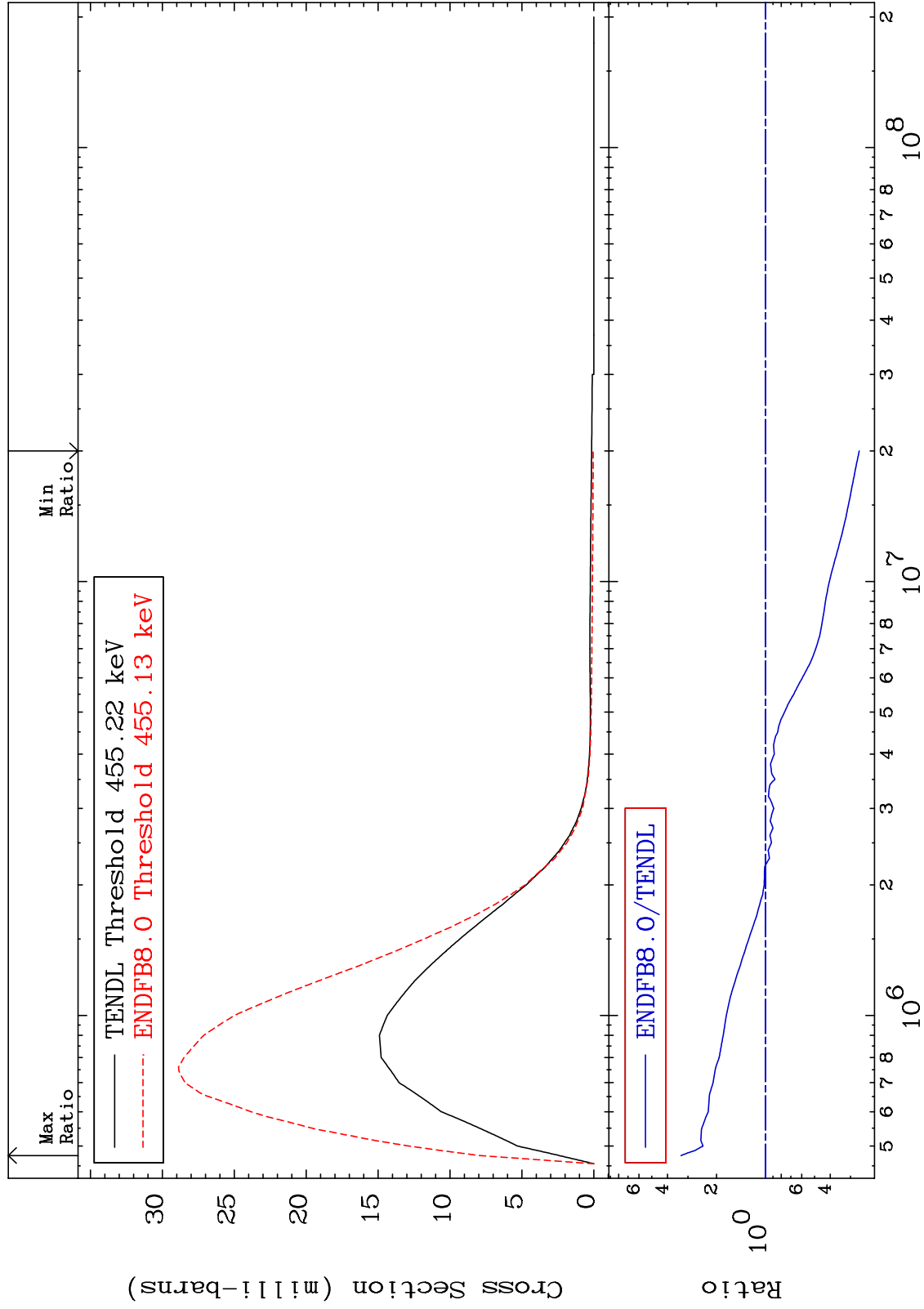
94-Pu-237
-17.17 To 325.8 %



MAT 9431

MT= 67 (n,n') Level
Cross Section

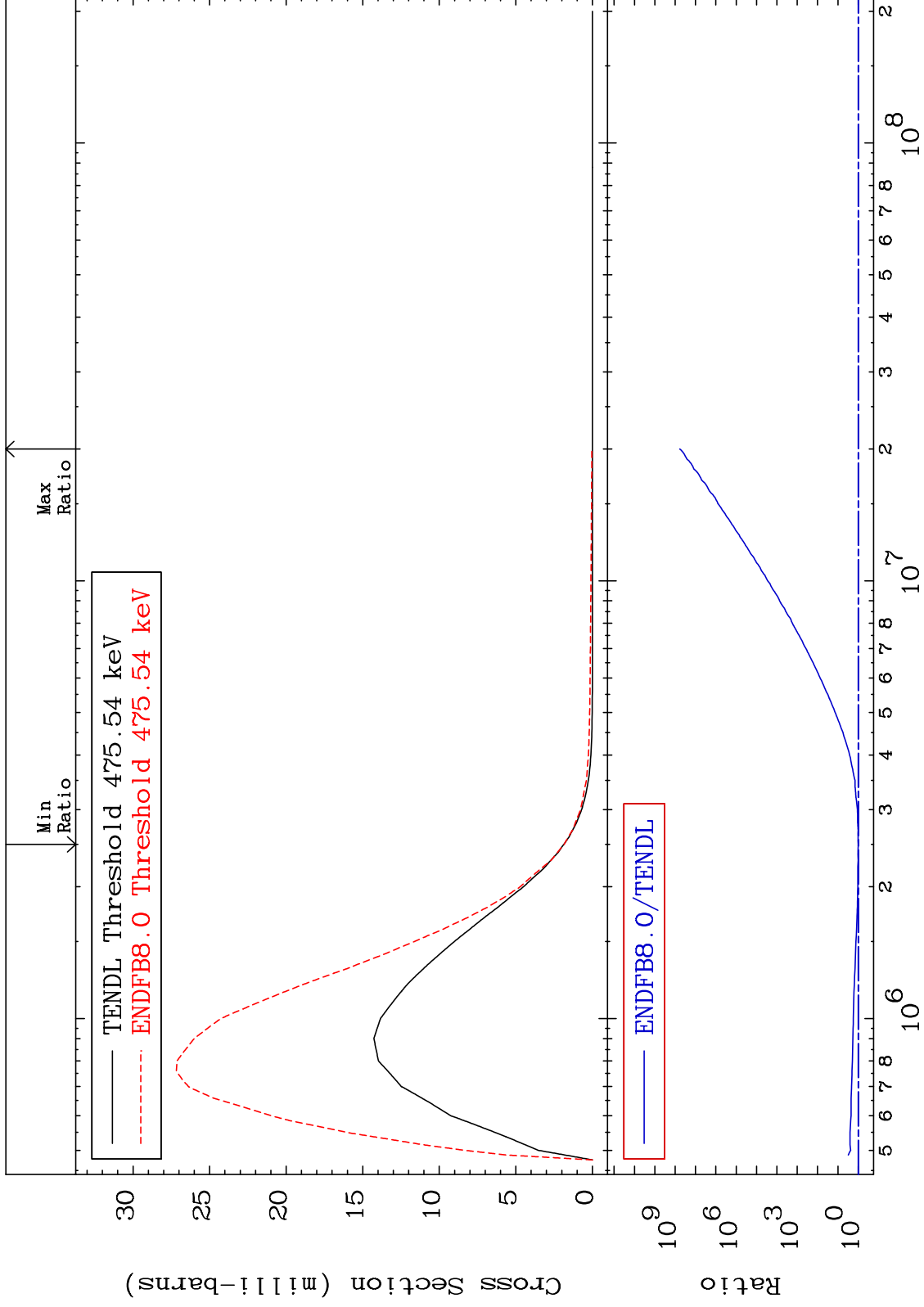
94-Pu-237
-73.47 To 230.6 %



MAT 9431

MT= 68 (n,n') Level
Cross Section

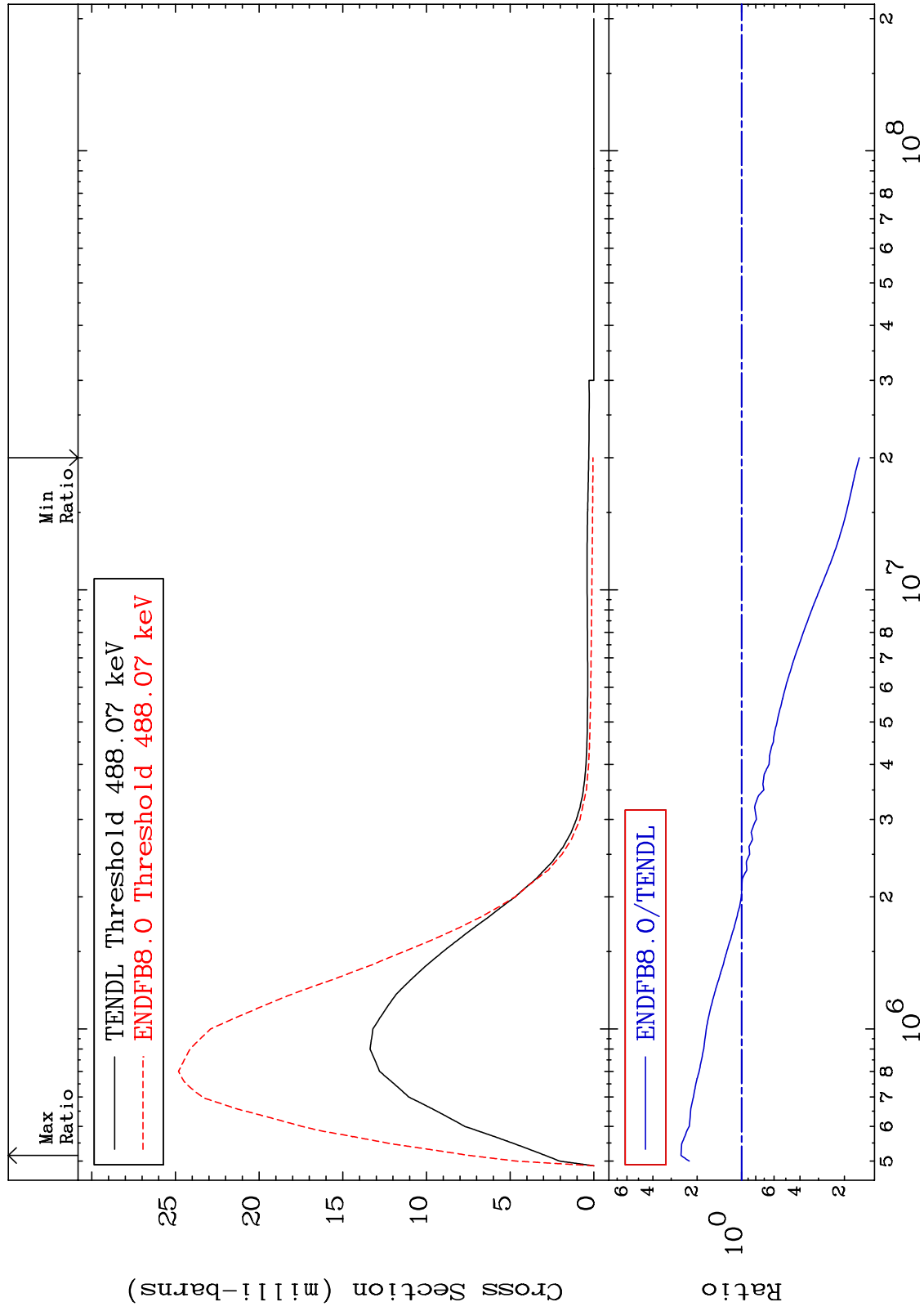
94-Pu-237
-1.162 To 9999. %



MAT 9431

MT= 69 (n,n') Level
Cross Section

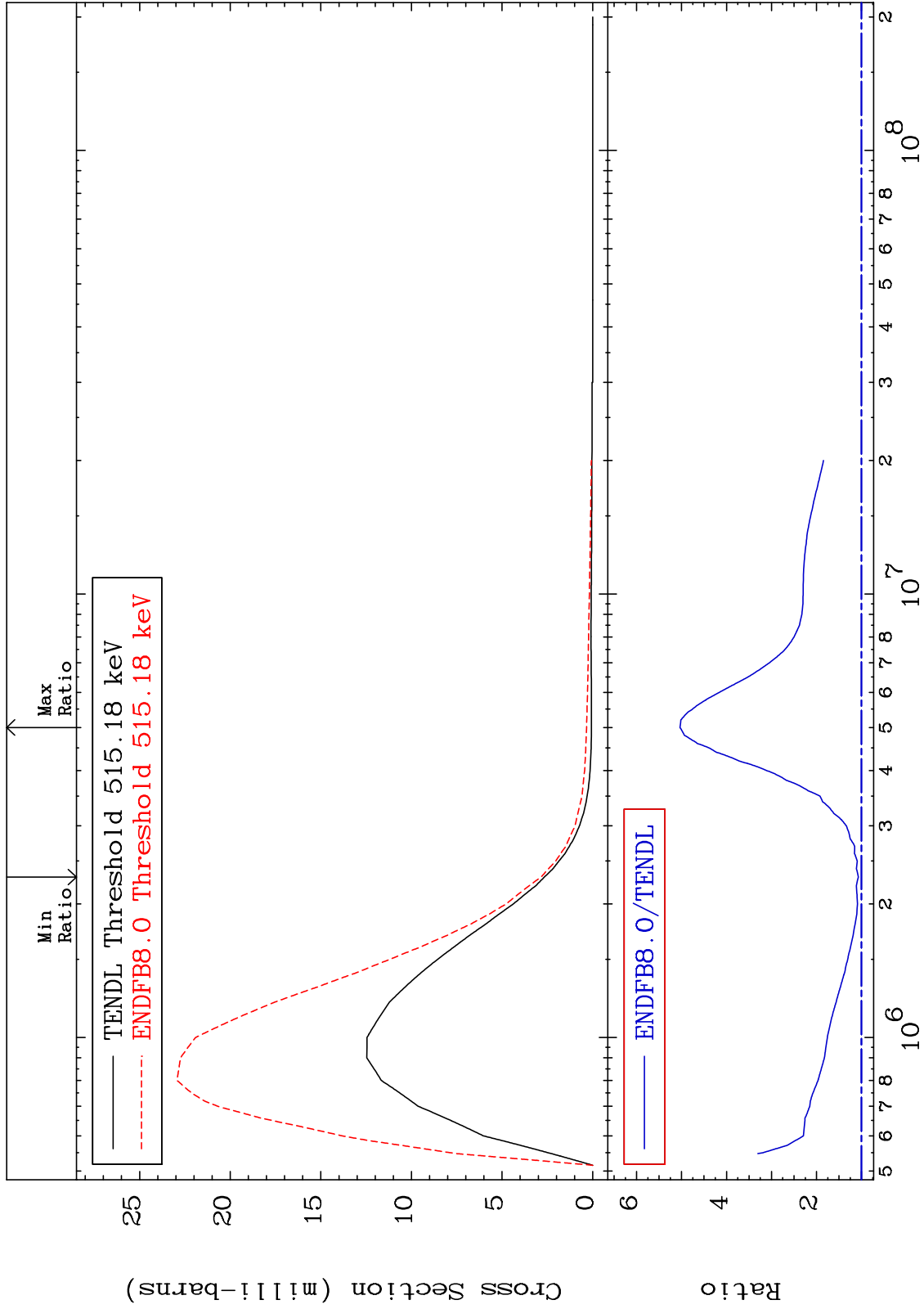
94-Pu-237
-84.16 To 157.2 %



MAT 9431

MT= 70 (n,n') Level
Cross Section

94-Pu-237
6.827 To 403.4 %



30

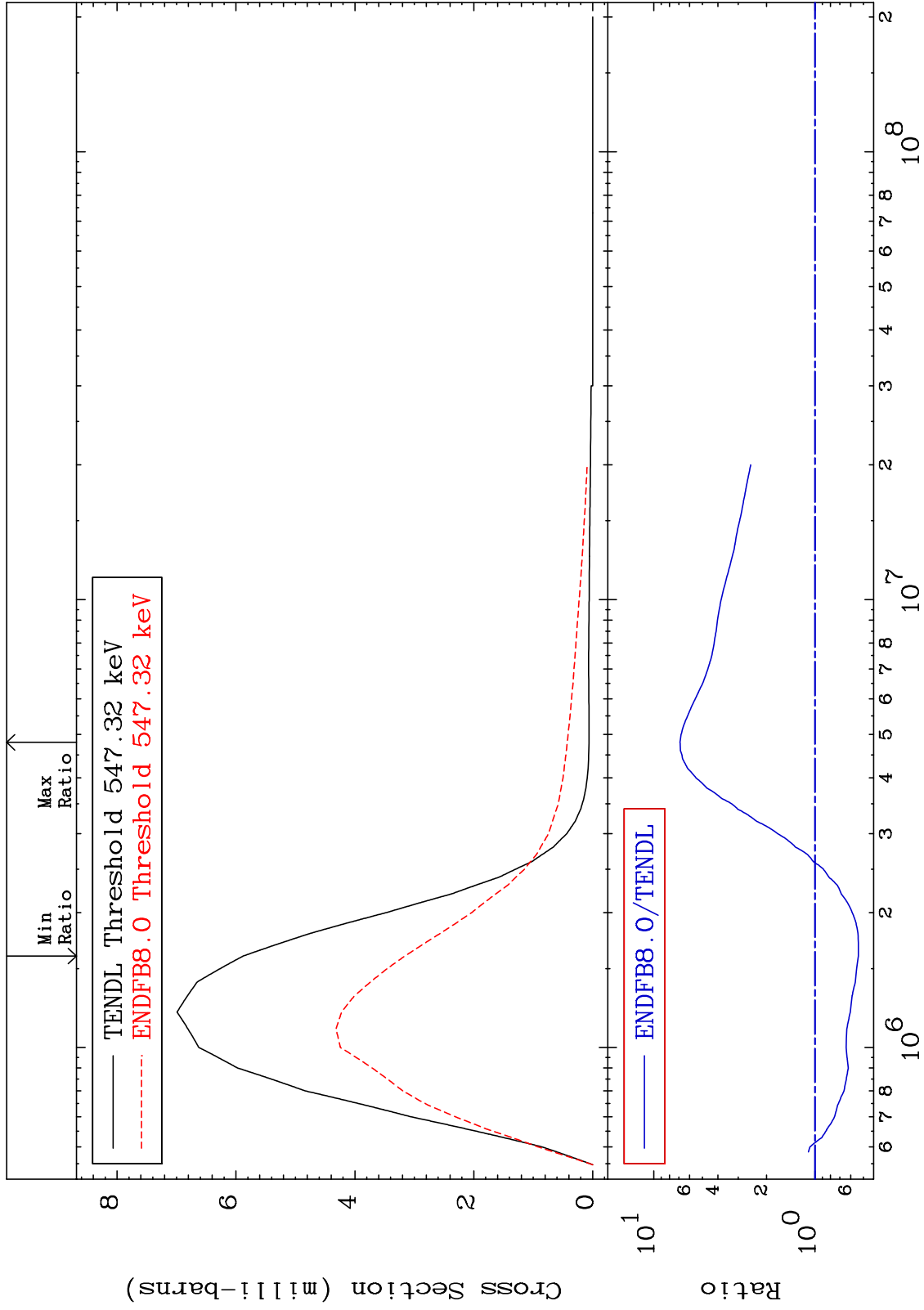
Incident Energy (eV)

94-Pu-237

MAT 9431

MT= 71 (n,n') Level
Cross Section

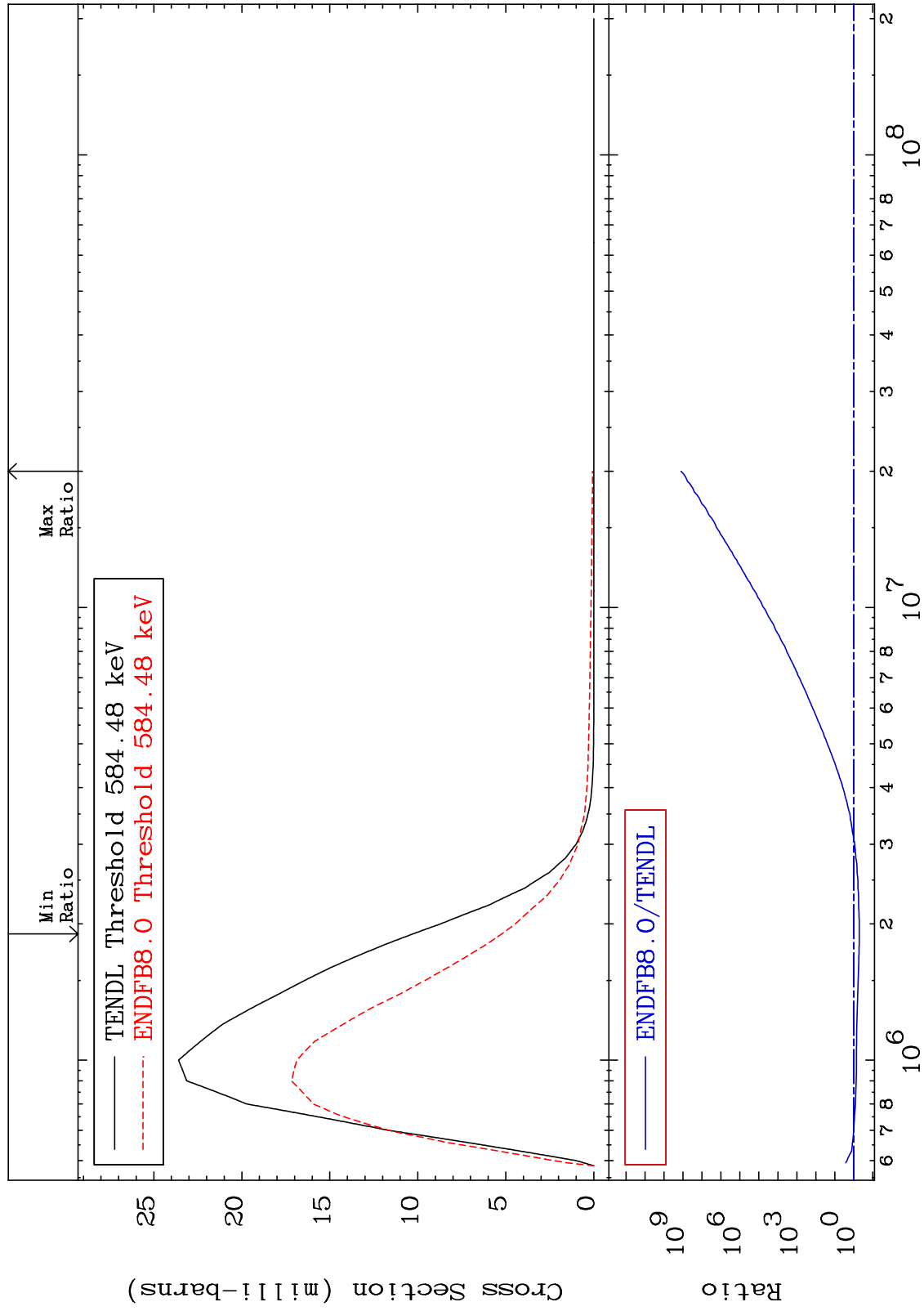
94-Pu-237
-46.28 To 588.1 %



MAT 9431

MT= 72 (n,n') Level
Cross Section

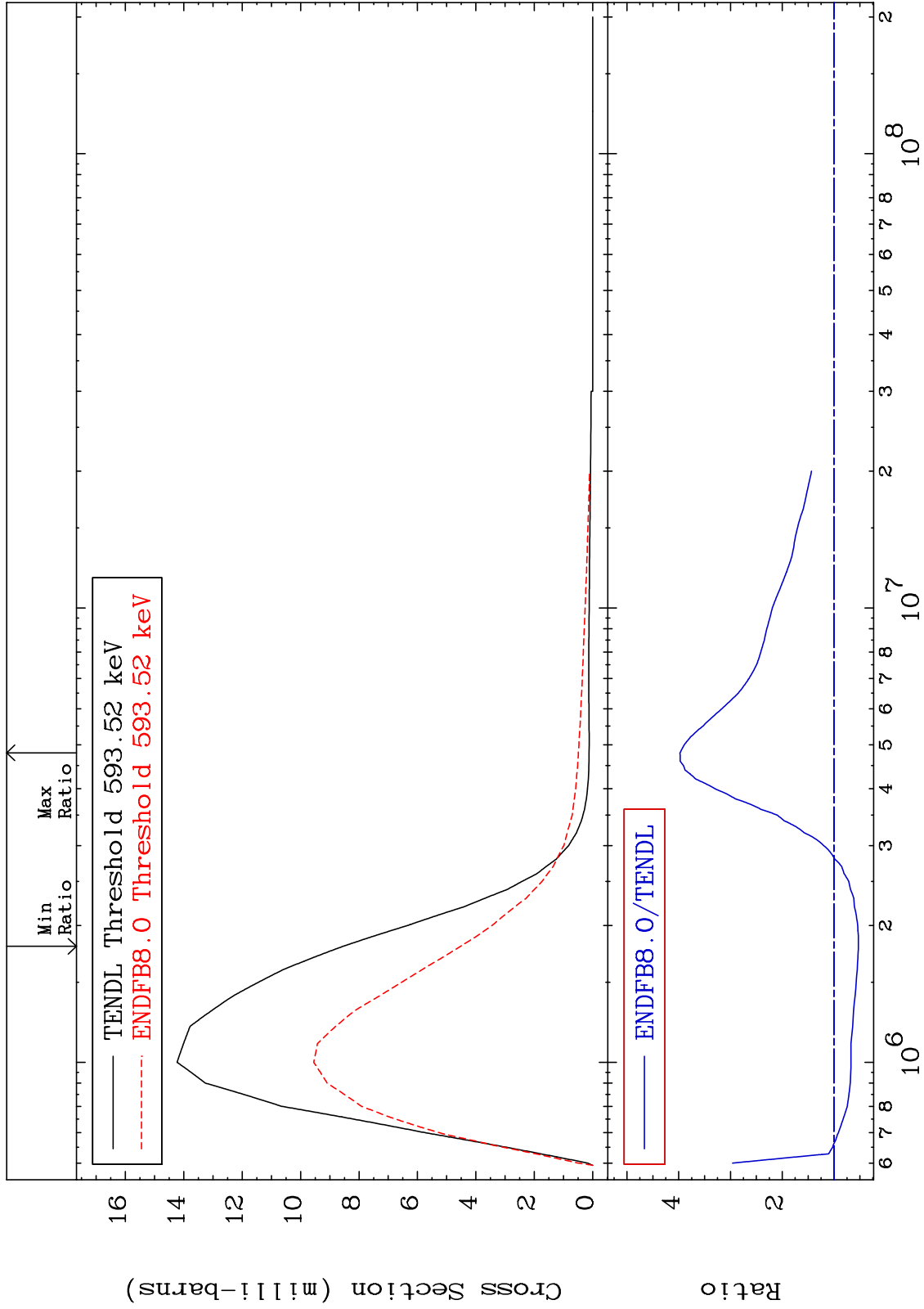
94-Pu-237
-49.21 To 9999. %



MAT 9431

MT= 73 (n,n') Level
Cross Section

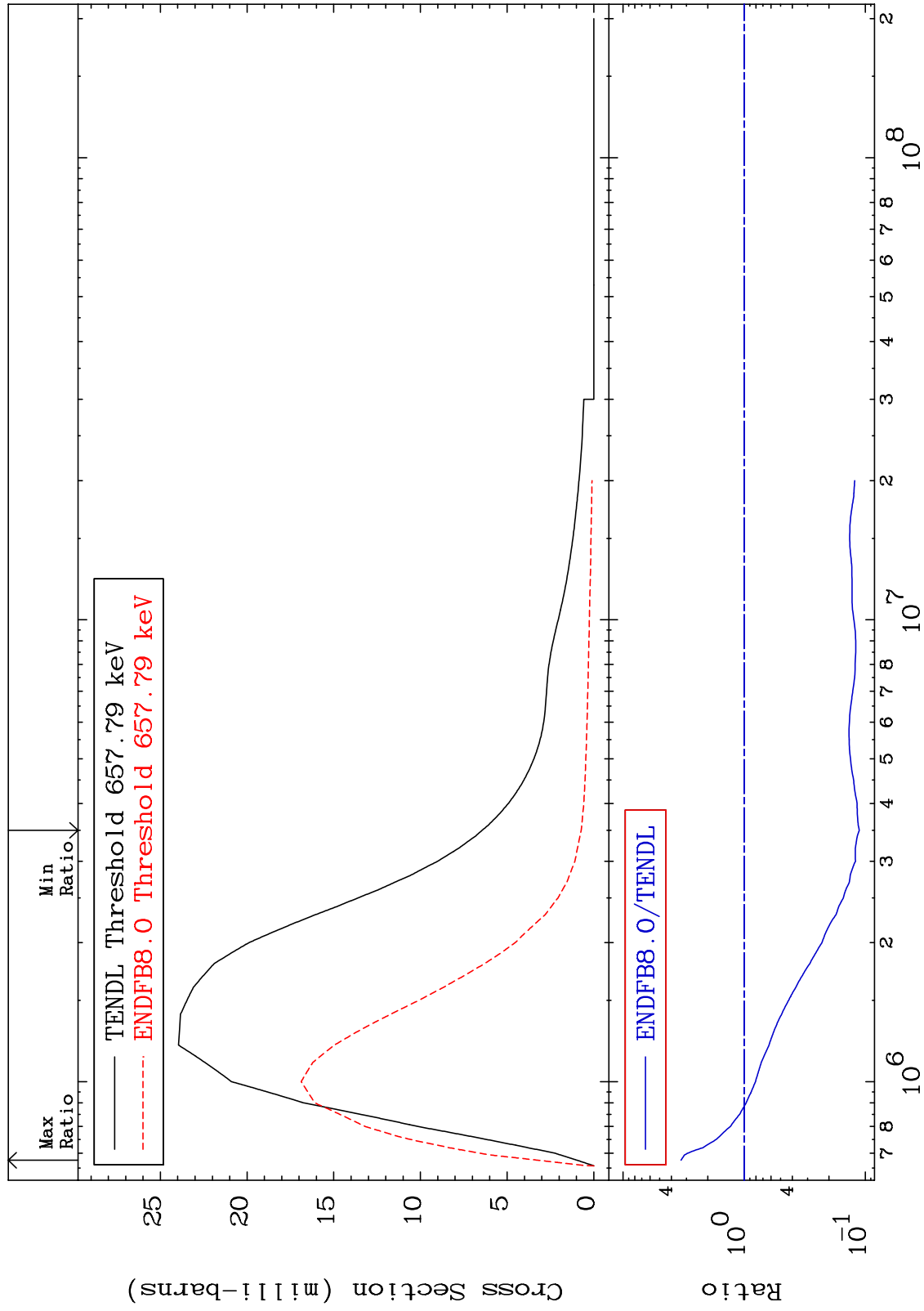
94-Pu-237
-47.12 To 297.5 %



MAT 9431

MT= 74 (n,n') Level
Cross Section

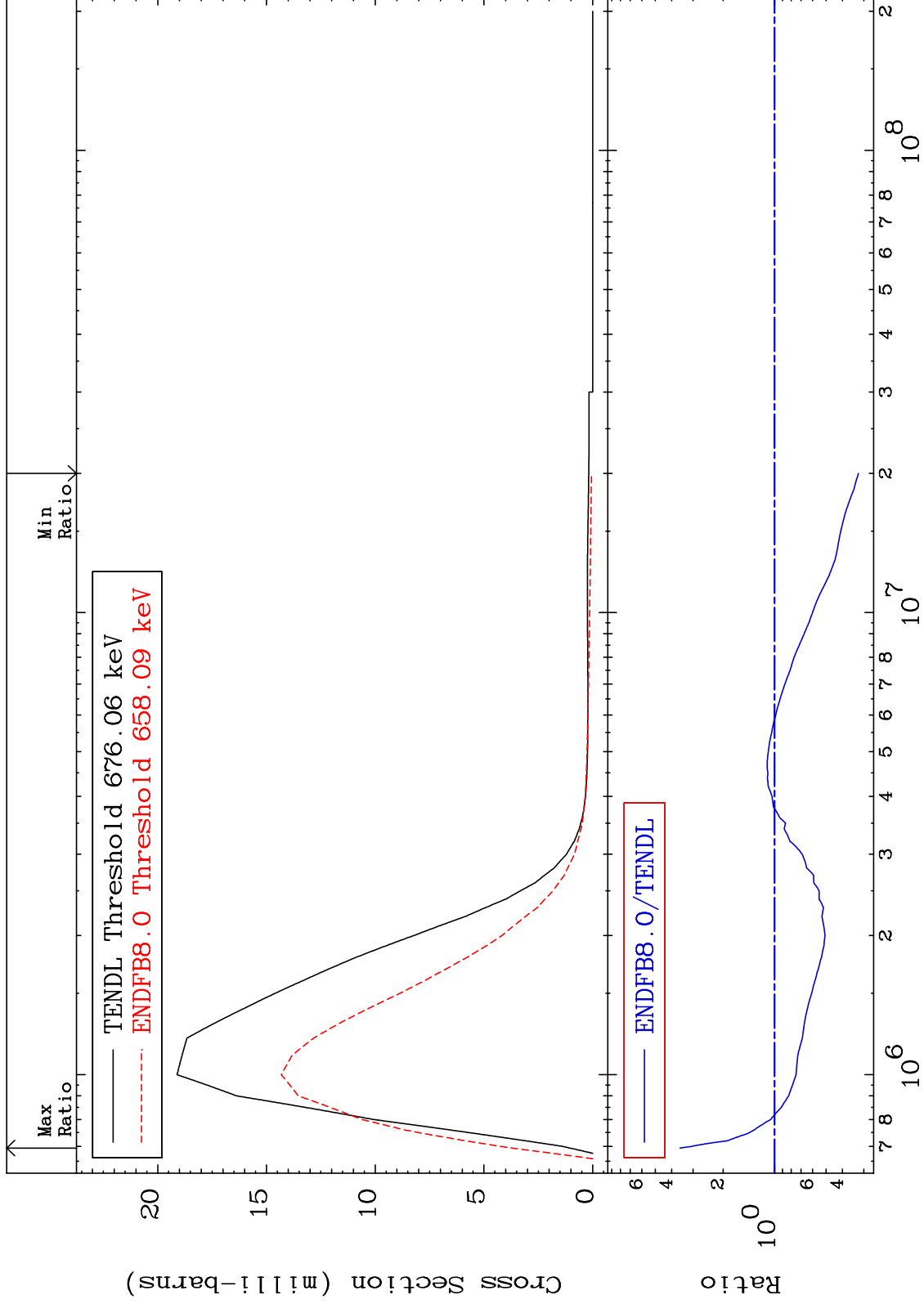
94-Pu-237
-88.79 To 232.2 %



MAT 9431

MT= 75 (n,n') Level
Cross Section

94-Pu-237
-67.71 To 257.9 %



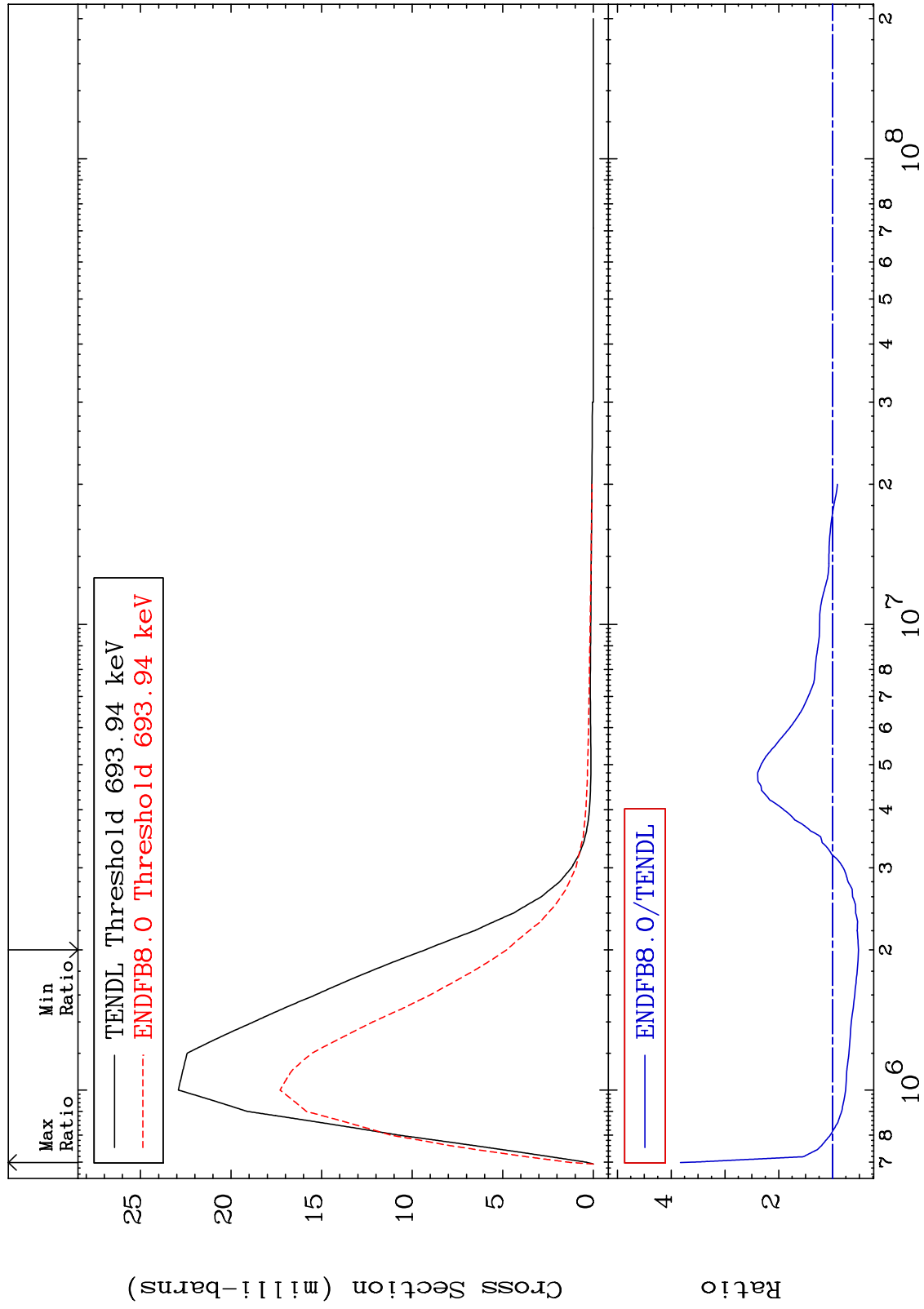
35

94-Pu-237

MAT 9431

MT= 76 (n,n') Level
Cross Section

94-Pu-237
-48.43 To 282.7 %



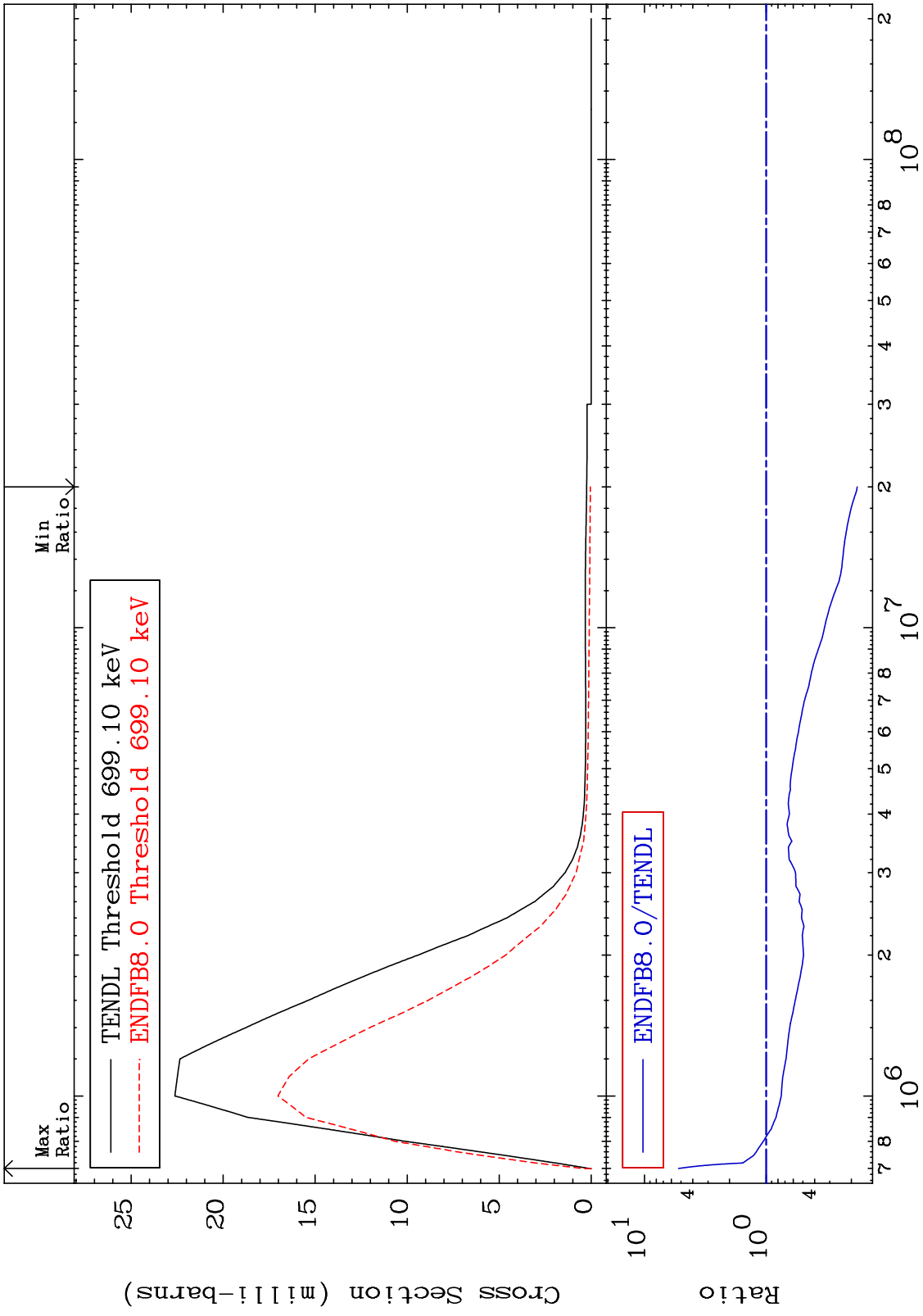
36

94-Pu-237

MAT 9431

MT= 77 (n,n') Level
Cross Section

94-Pu-237
-82.16 To 423.2 %



37

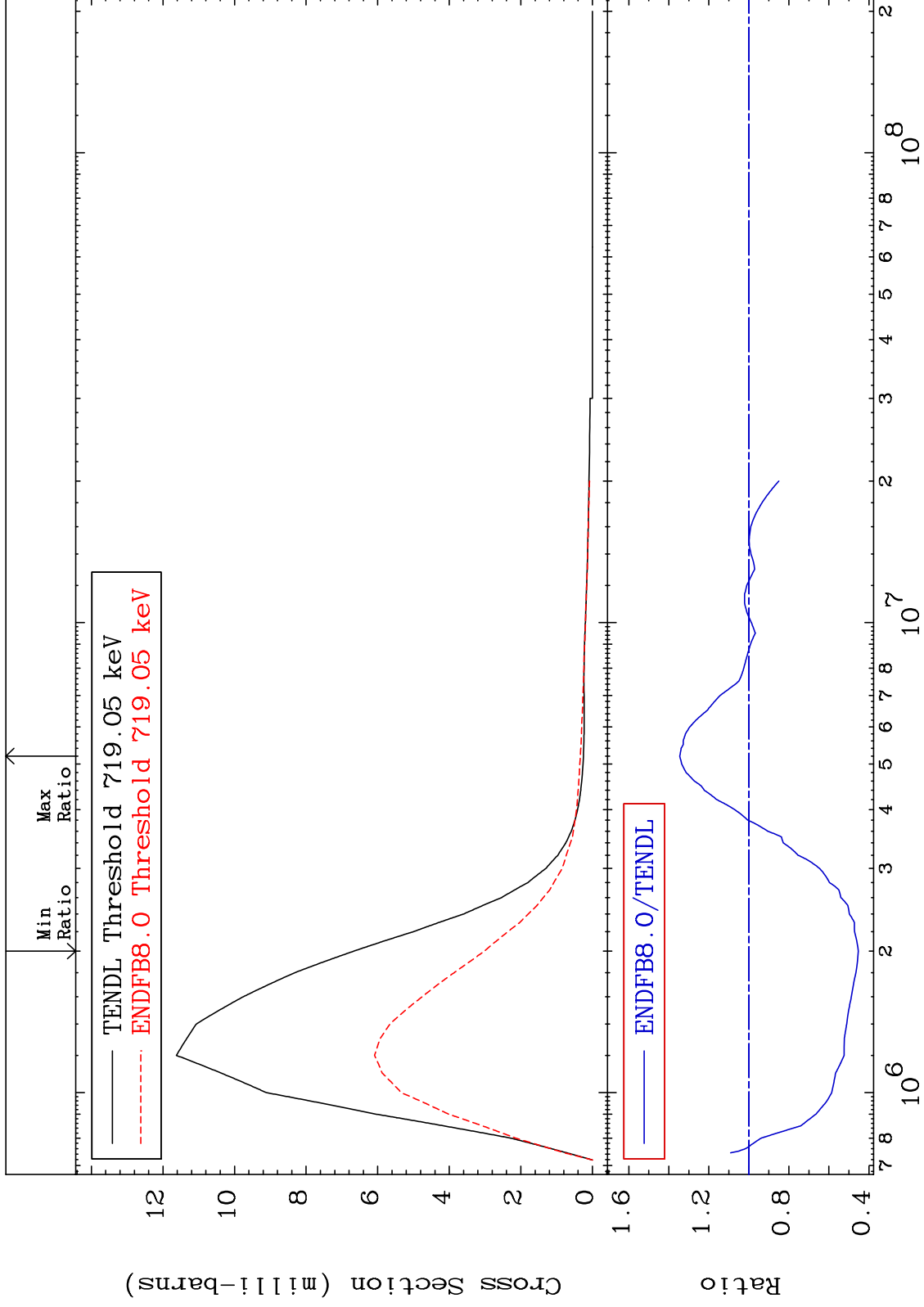
Incident Energy (eV)

94-Pu-237

MAT 9431

MT= 78 (n,n') Level
Cross Section

94-Pu-237
-54.72 To 34.51 %



38

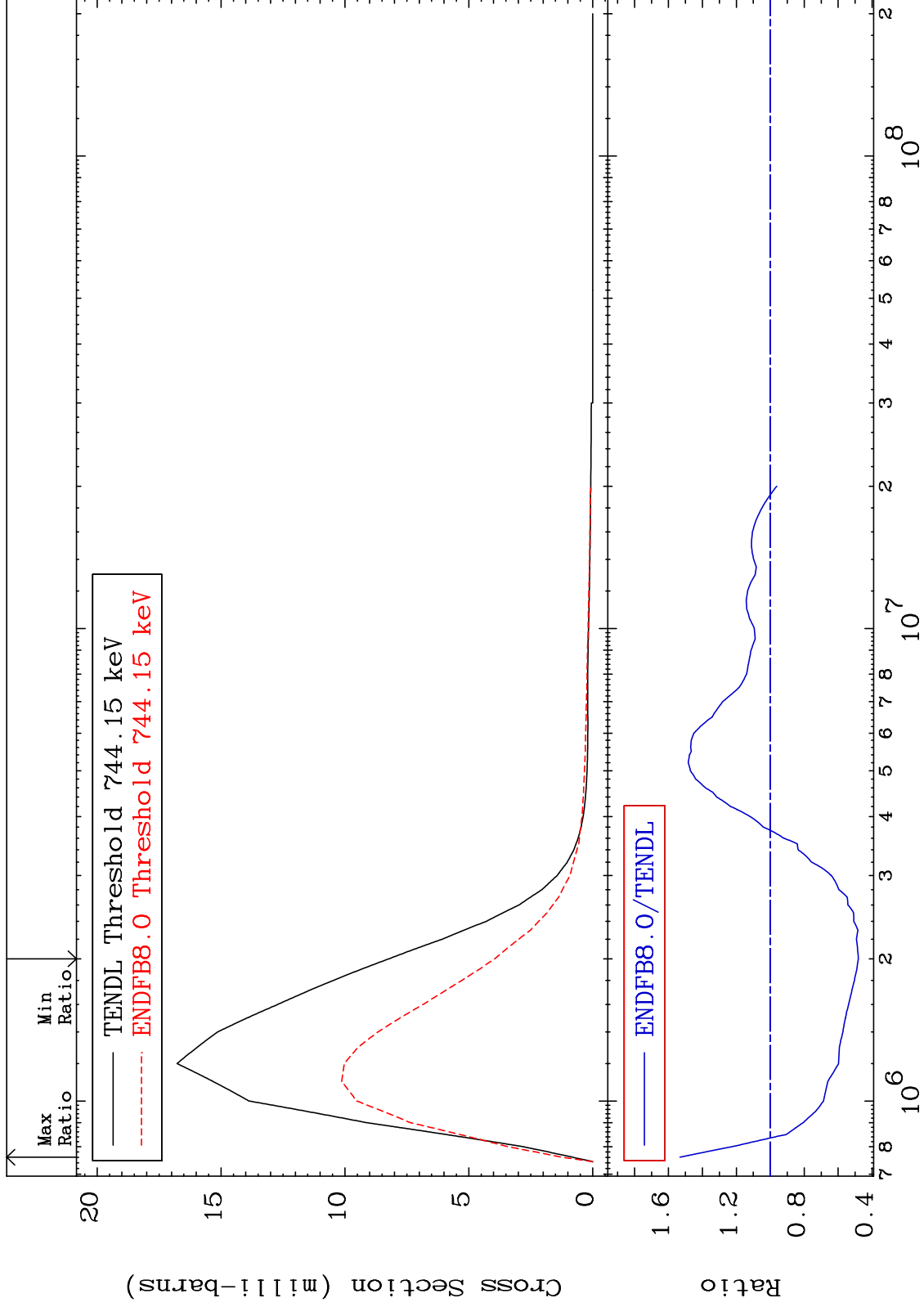
Incident Energy (eV)

94-Pu-237

MAT 9431

MT= 79 (n,n') Level
Cross Section

94-Pu-237
-51.94 To 53.20 %



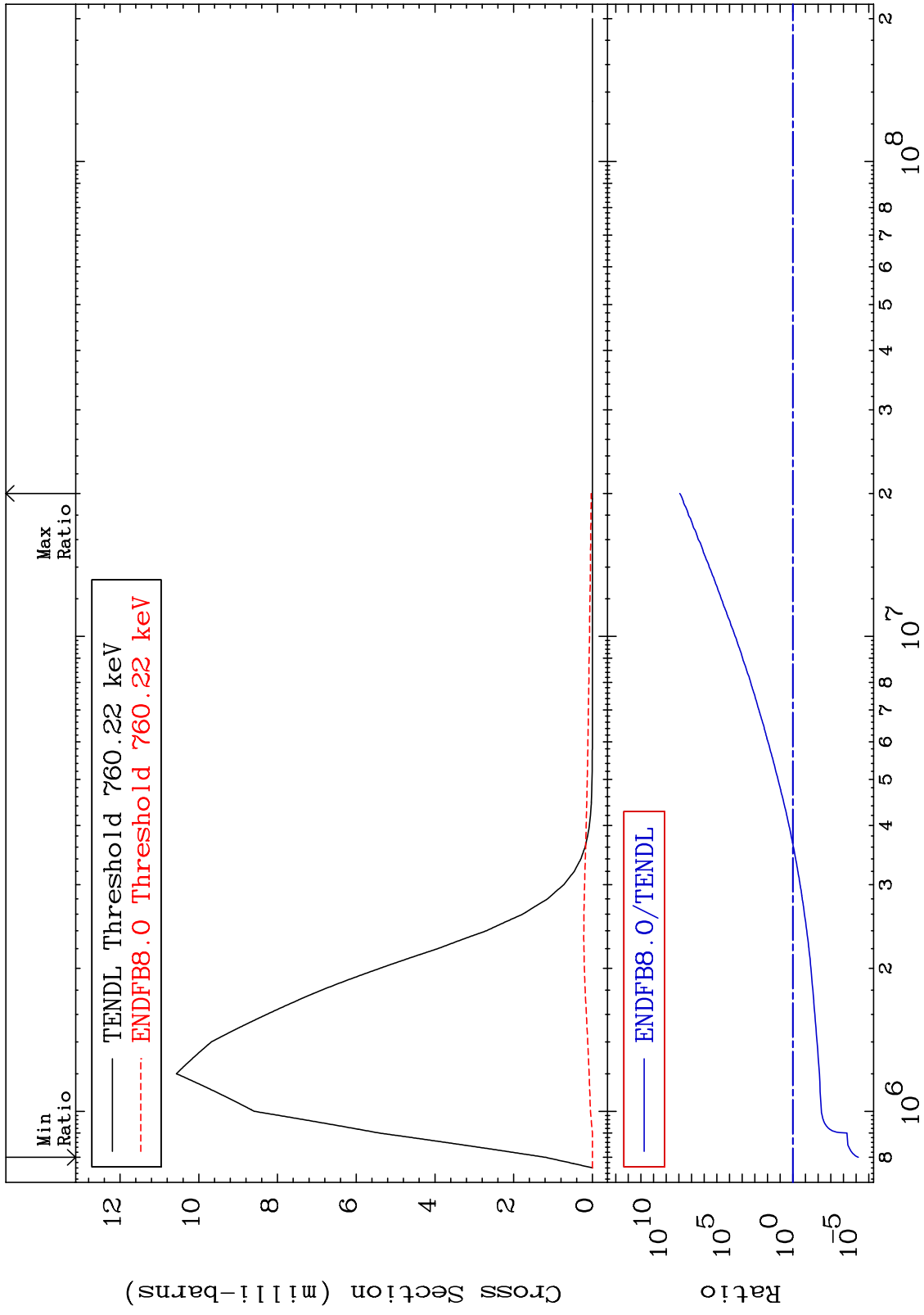
39

94-Pu-237

MAT 9431

MT= 80 (n,n') Level
Cross Section

94-Pu-237
-100.0 To 9999. %



40

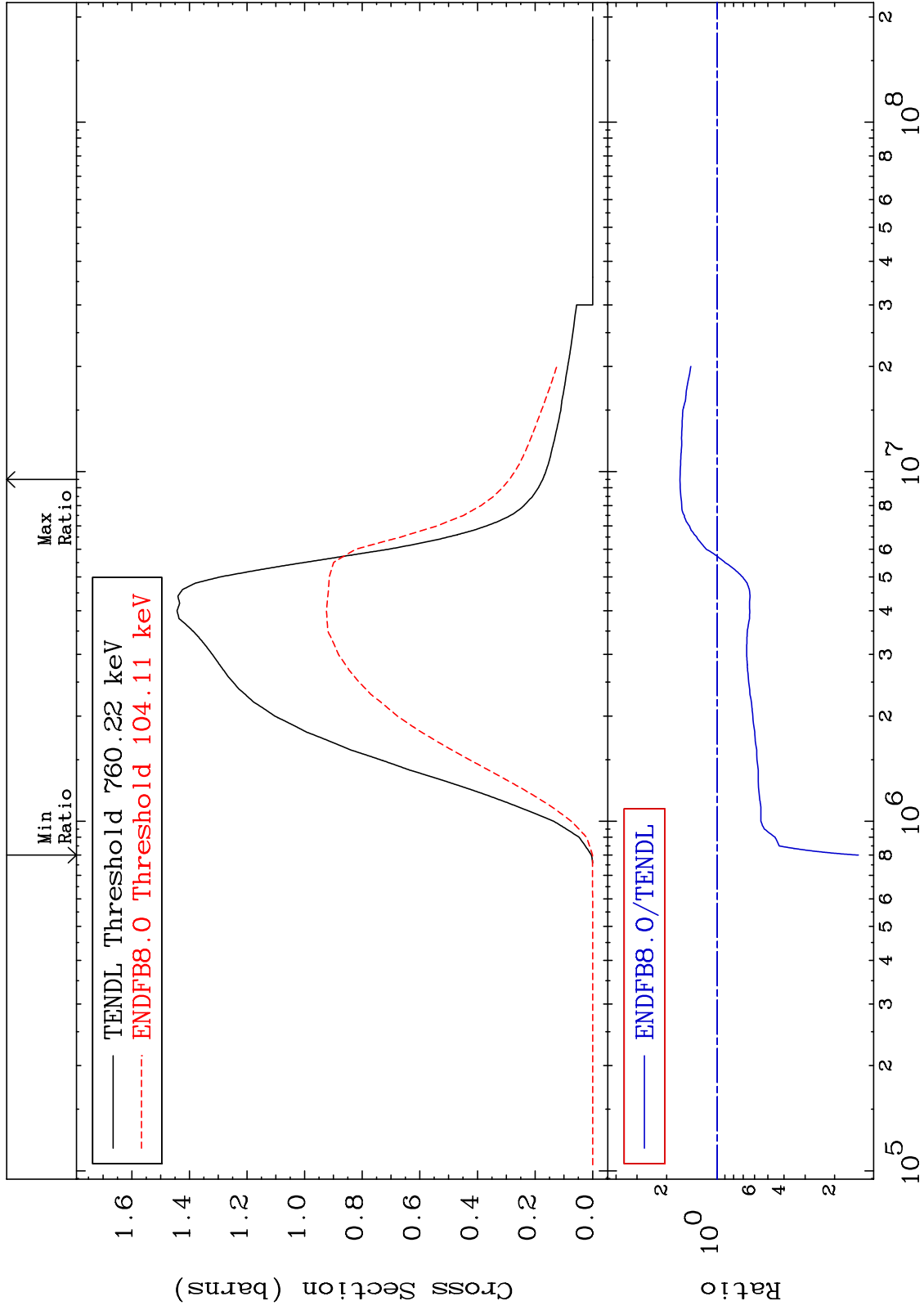
Incident Energy (eV)

94-Pu-237

MAT 9431

(n, n') Continuum
Cross Section

94-Pu-237
-85.56 To 66.49 %



41

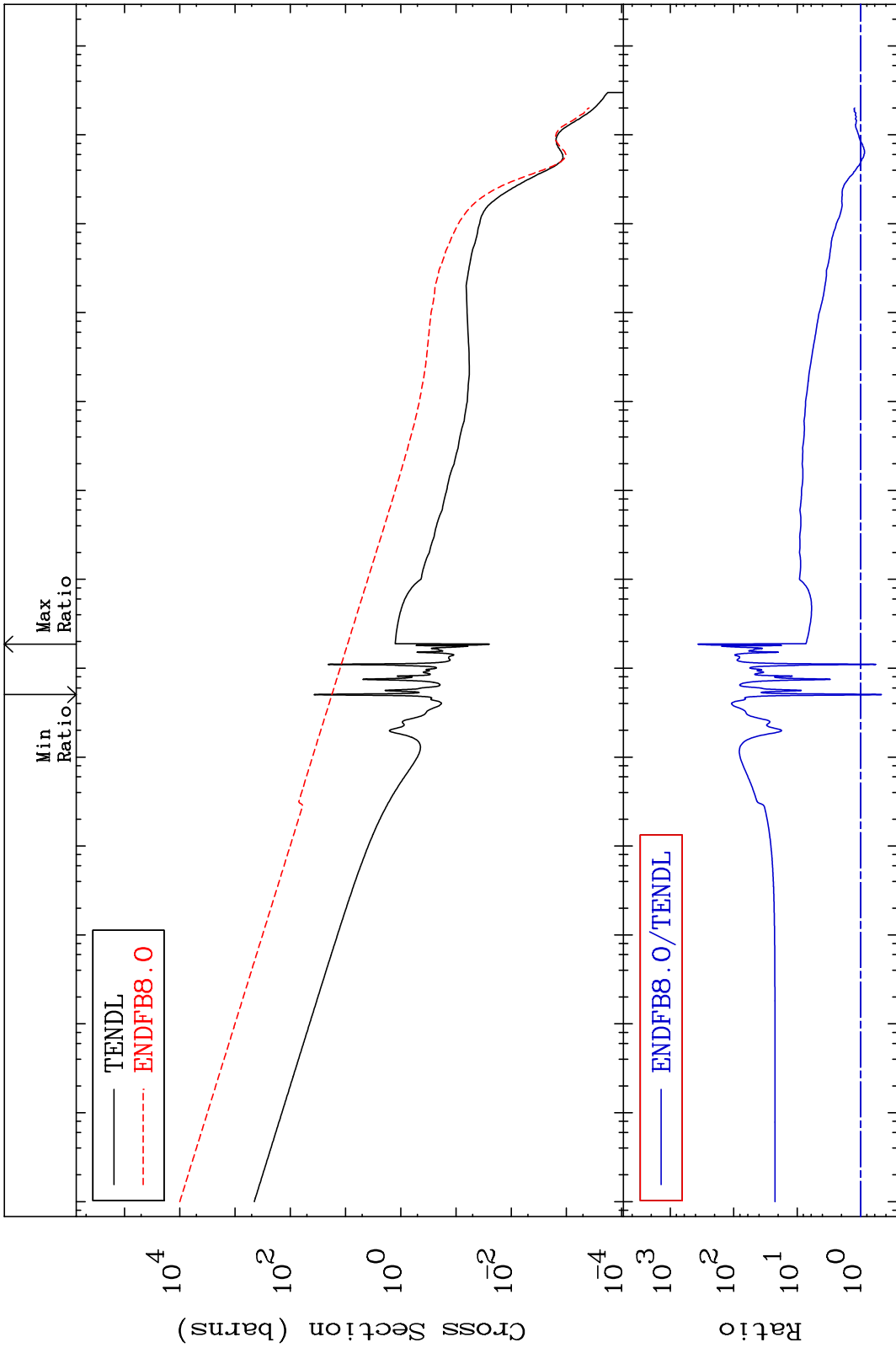
94-Pu-237

94-Pu-237

MAT 9431

(n, γ)
Cross Section

94-Pu-237
-53.15 To 9999. %



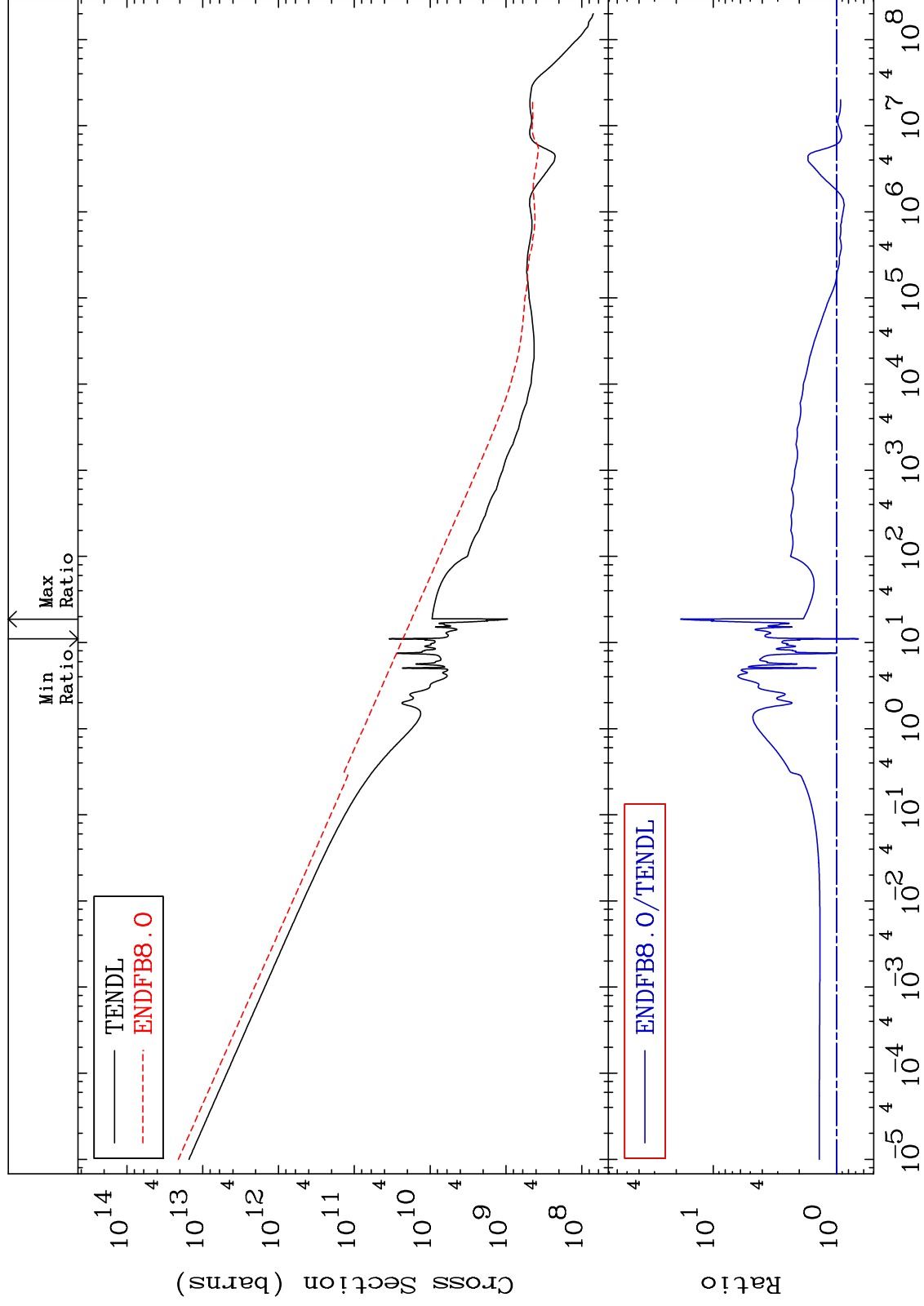
94-Pu-237

Incident Energy (eV)

MAT 9431

Kerma total (eV-barns)
Cross Section

94-Pu-237
-33.79 To 1745. %



43

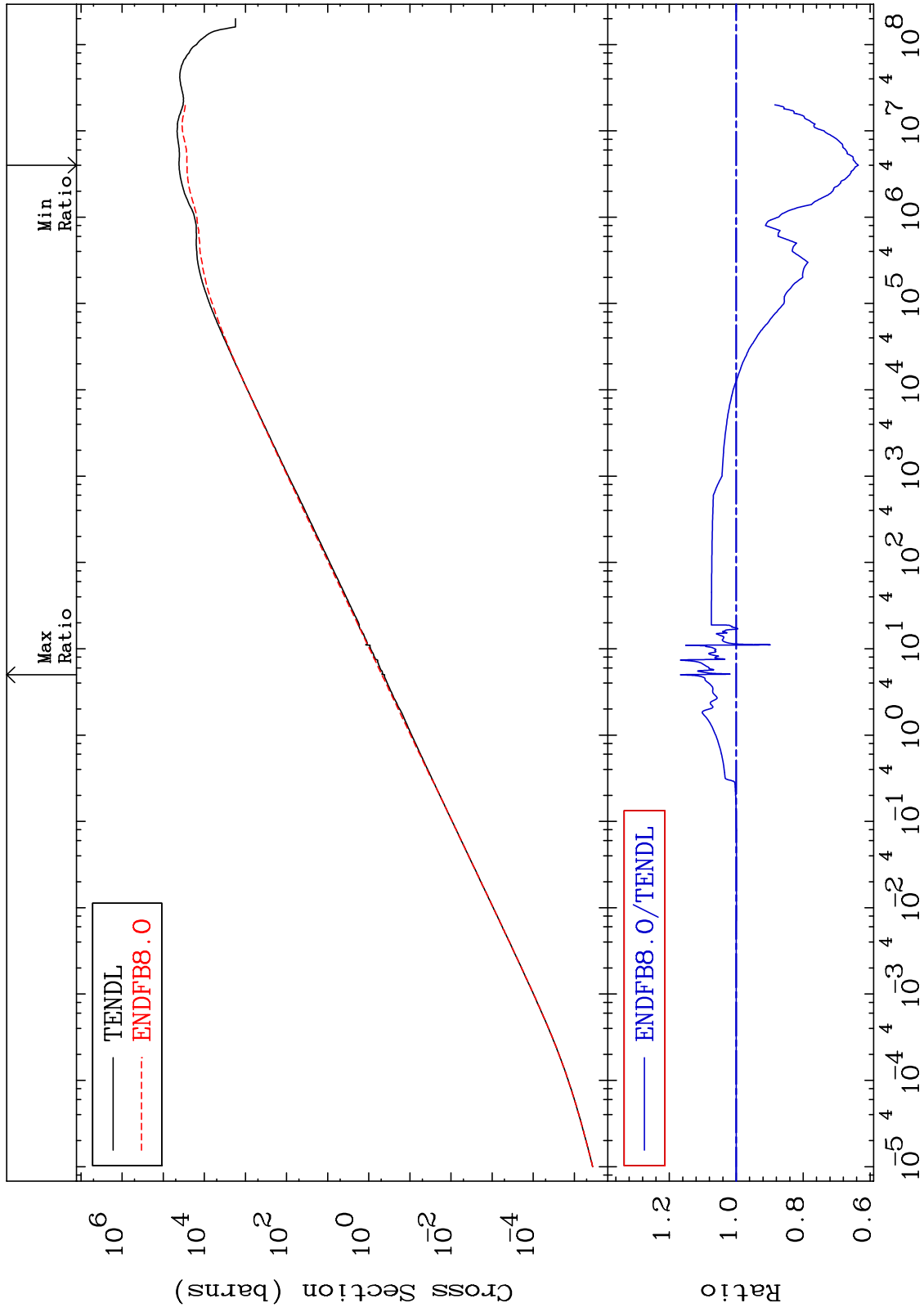
Incident Energy (eV)

94-Pu-237

MAT 9431

Kerma elastic
Cross Section

94-Pu-237
-36.52 To 16.81 %



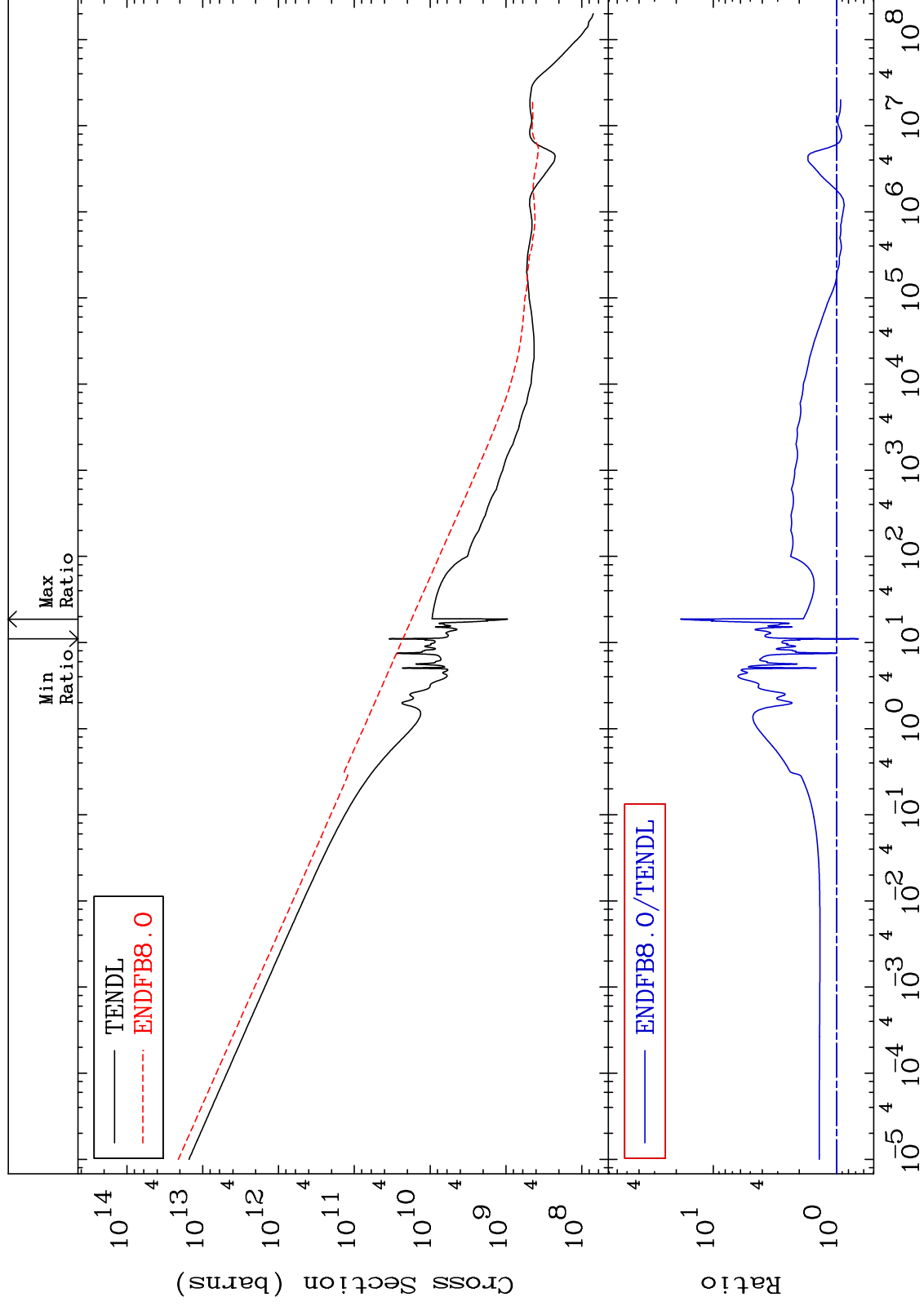
MAT 9431

Kerma non-elastic (all but mt2)

94-Pu-237

-33.79 To 1745. %

Cross Section



45

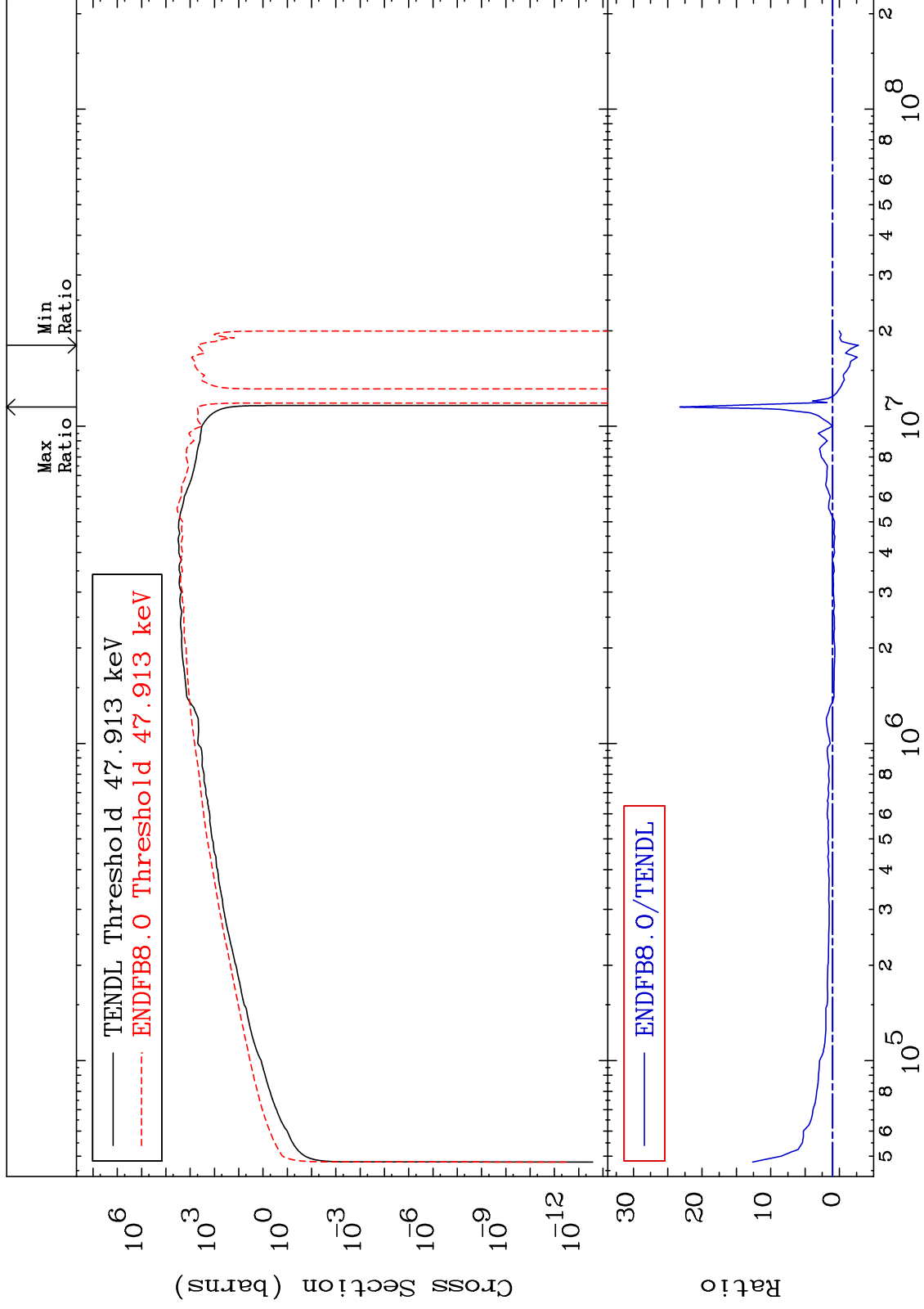
Incident Energy (eV)

94-Pu-237

MAT 9431

Kerma inelastic (mt51-91)
Cross Section

94-Pu-237
-376.9 To 2221. %



46

Incident Energy (eV)

94-Pu-237

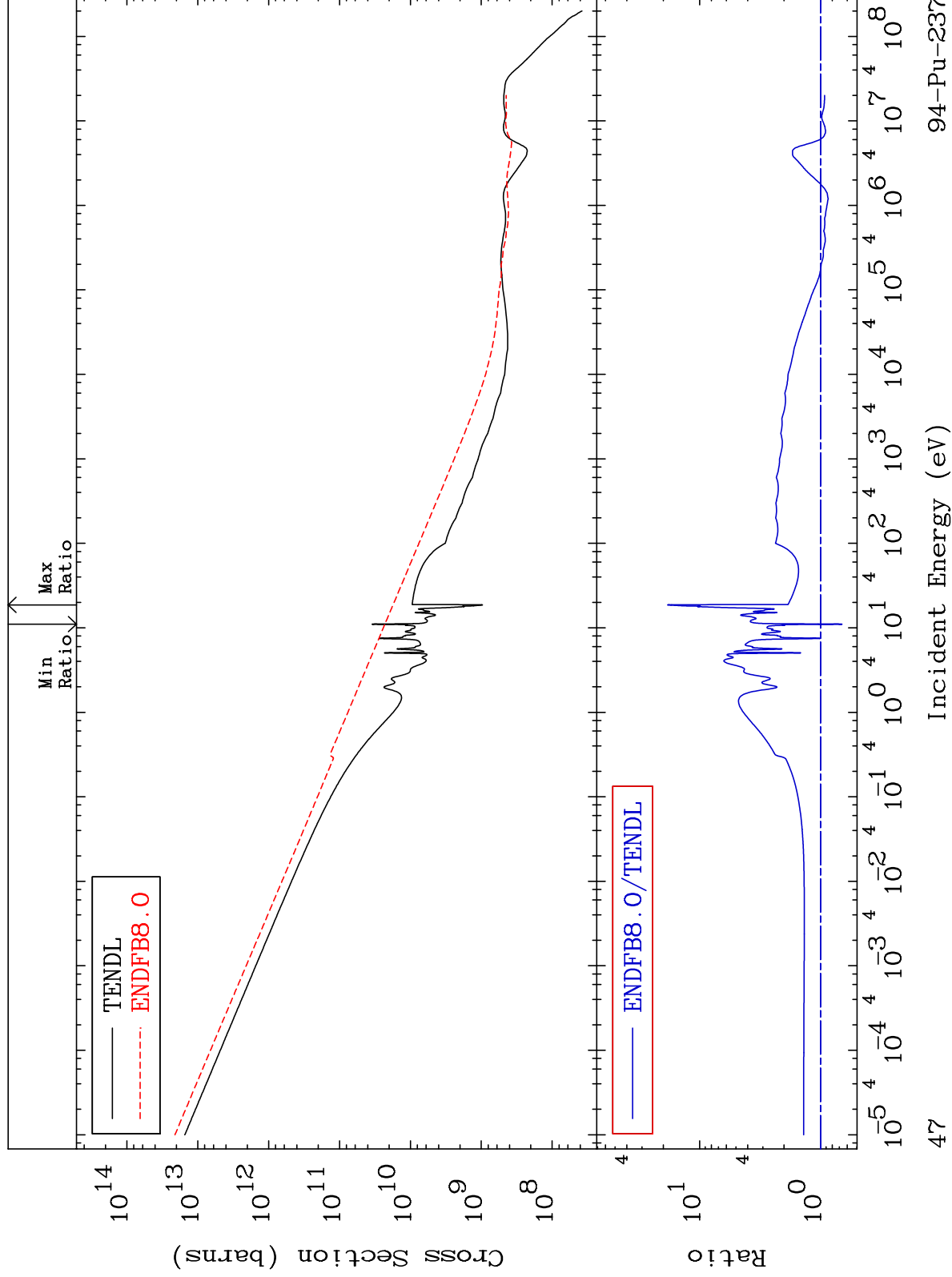
MAT 9431

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

94-Pu-237

-33.79 To 1745. %

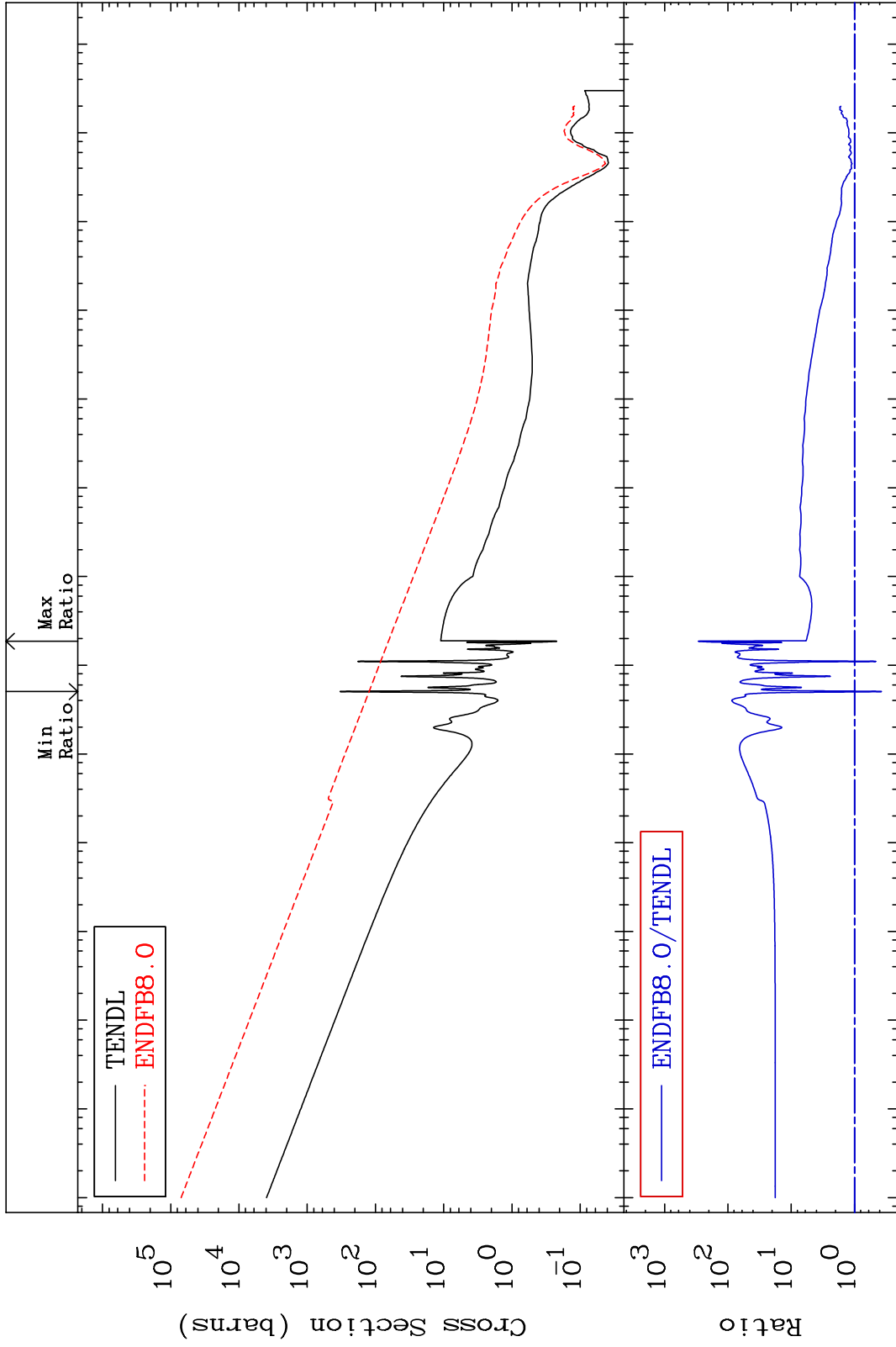
Cross Section



MAT 9431

Kerma capture (mt102)
Cross Section

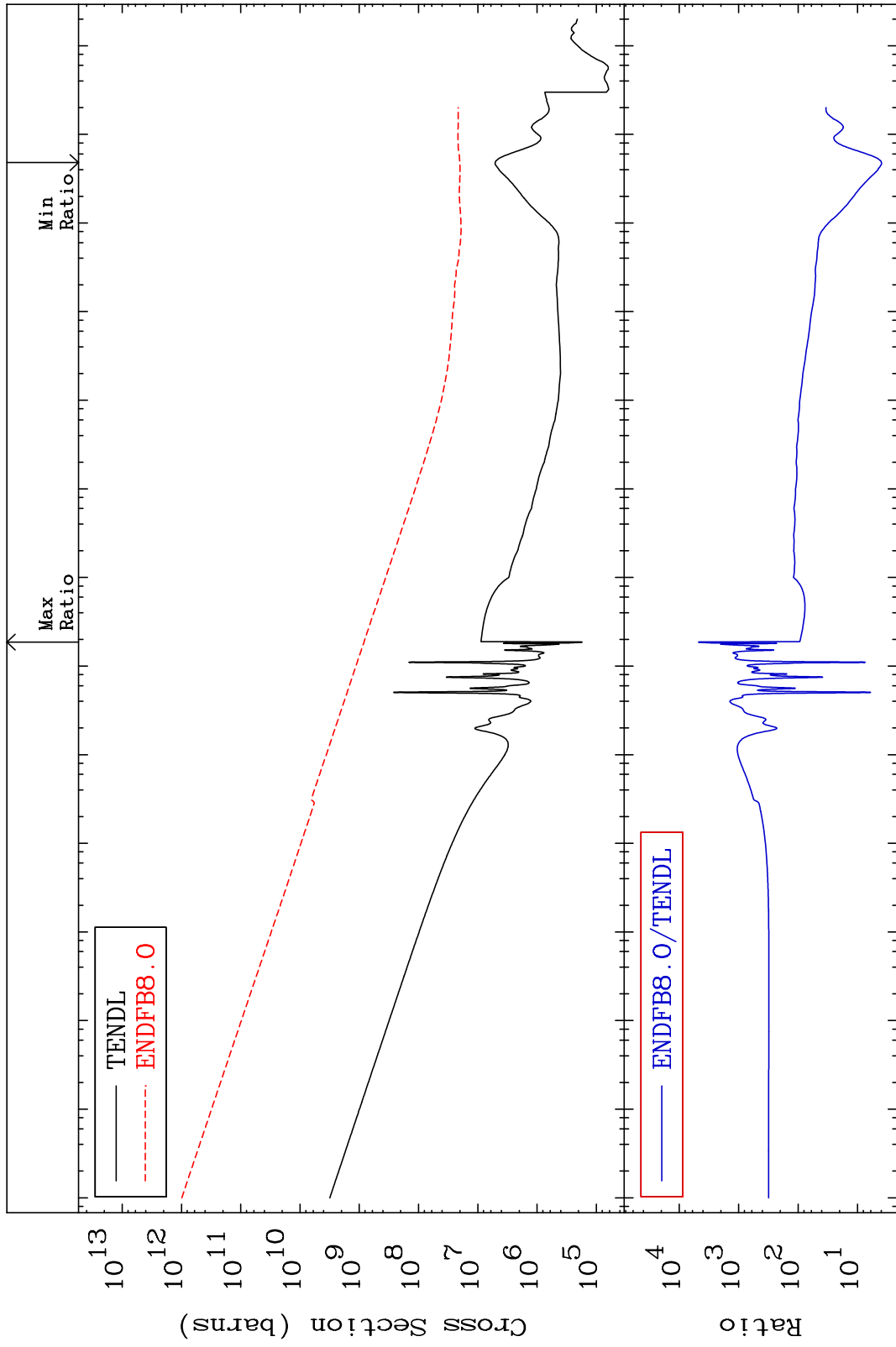
94-Pu-237
-62.47 To 9999. %



MAT 9431

Total photon (eV-barns)
Cross Section

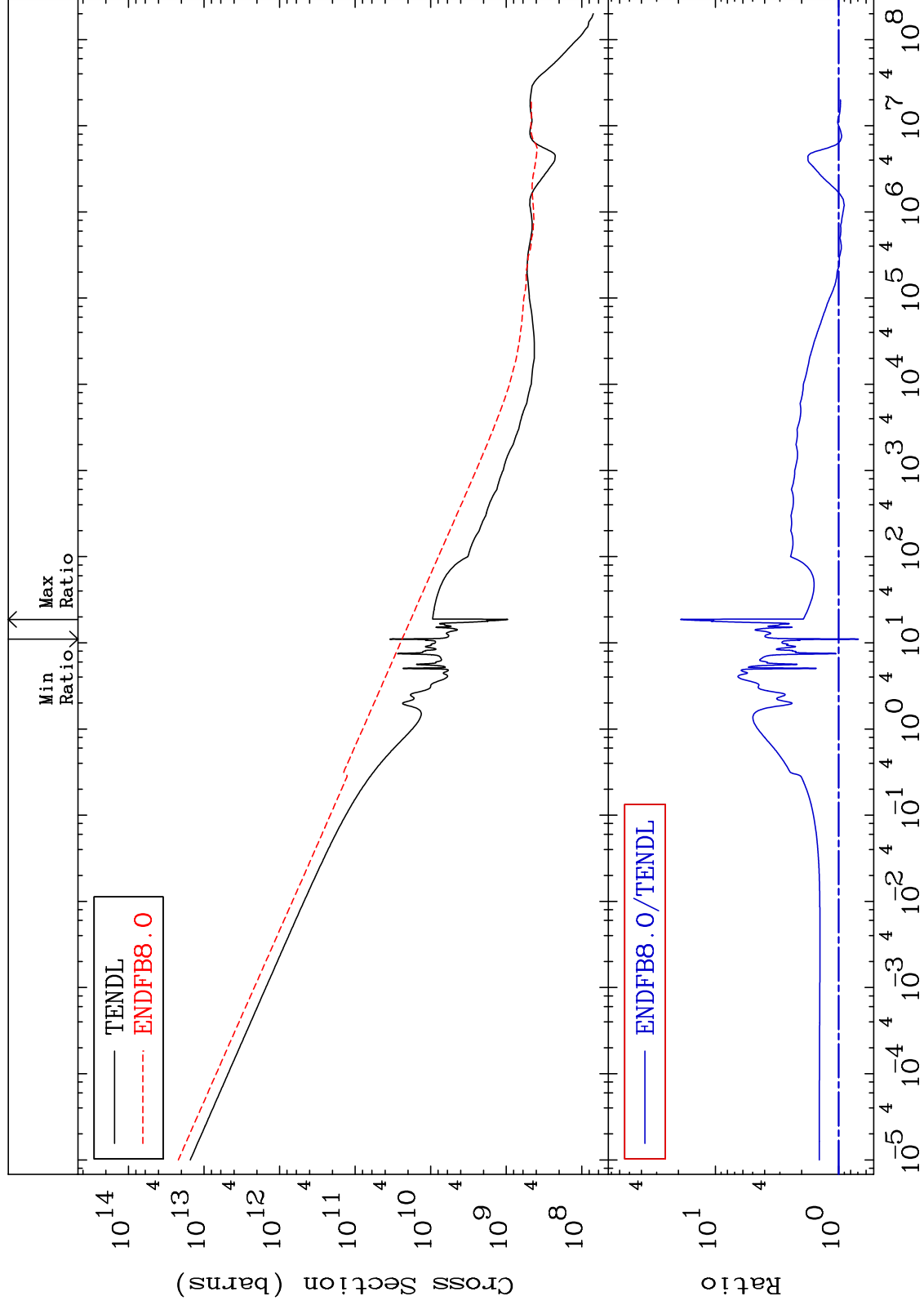
94-Pu-237
294.8 To 9999. %



MAT 9431

Total kinematic kerma (high limit)
Cross Section

94-Pu-237
-30.89 To 1826. %



50

94-Pu-237

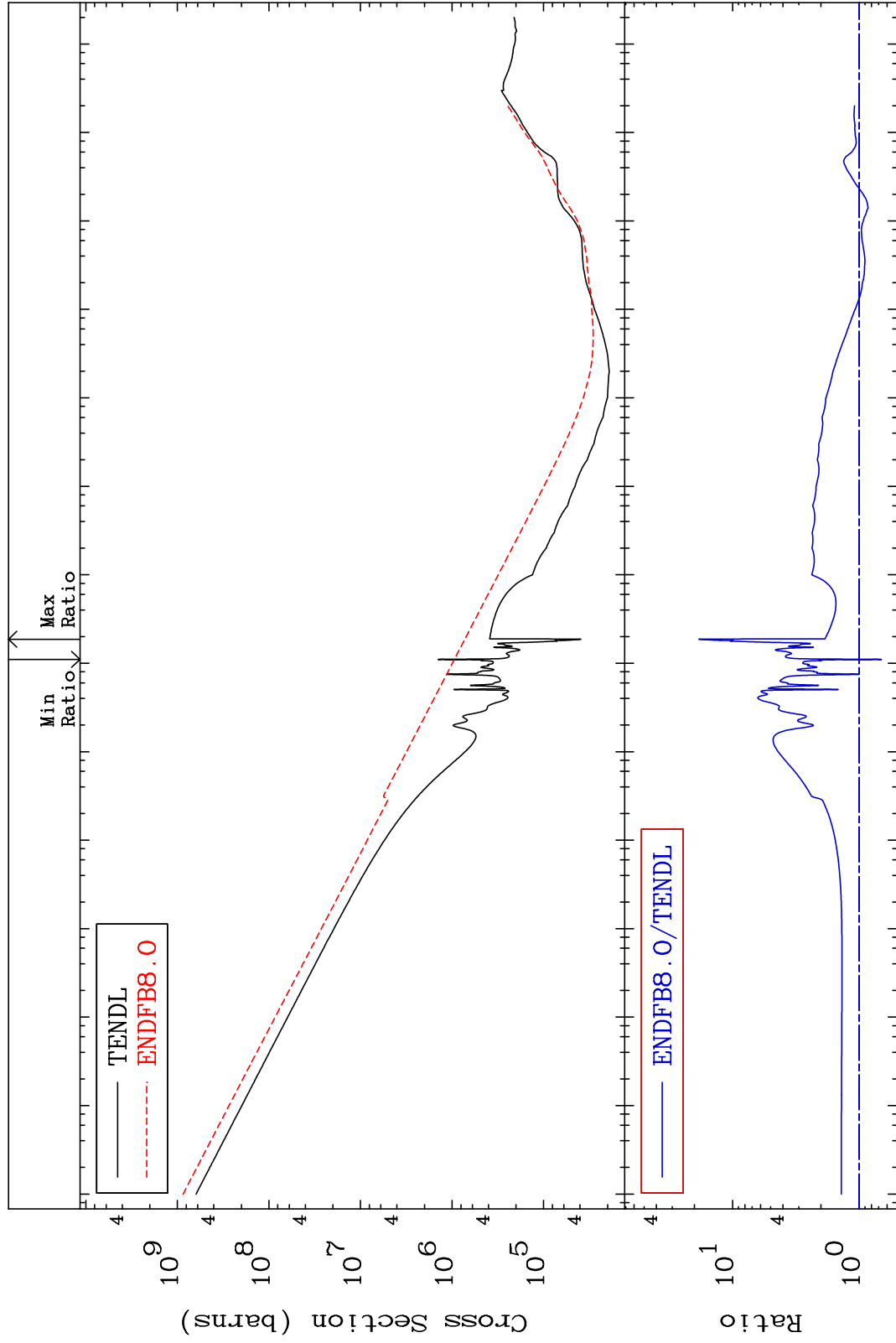
MAT 9431

Dpa total (eV-barns)

94-Pu-237

-33.54 To 1752. %

Cross Section



Incident Energy (eV)

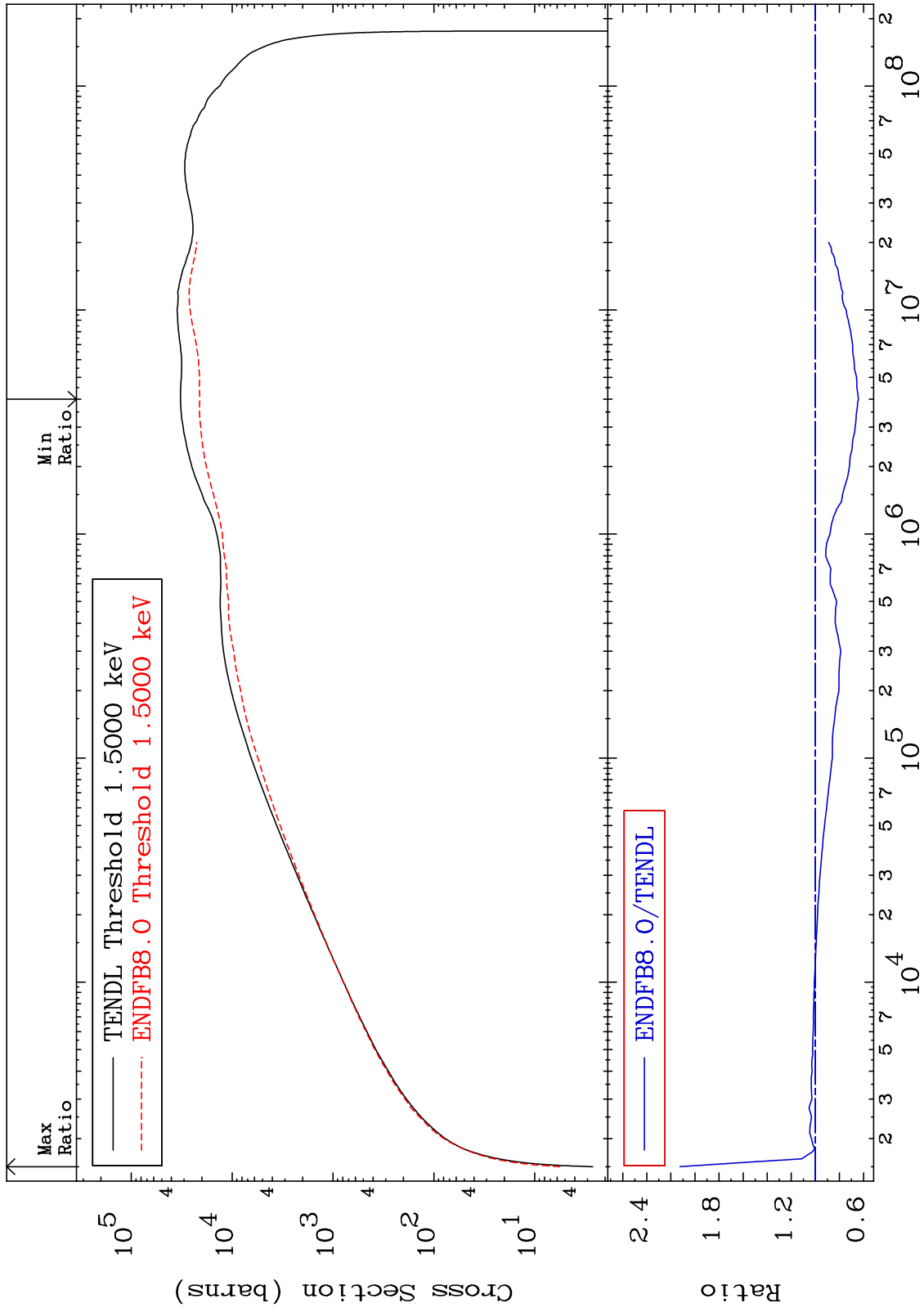
51

94-Pu-237

MAT 9431

Dpa elastic (mt2)
Cross Section

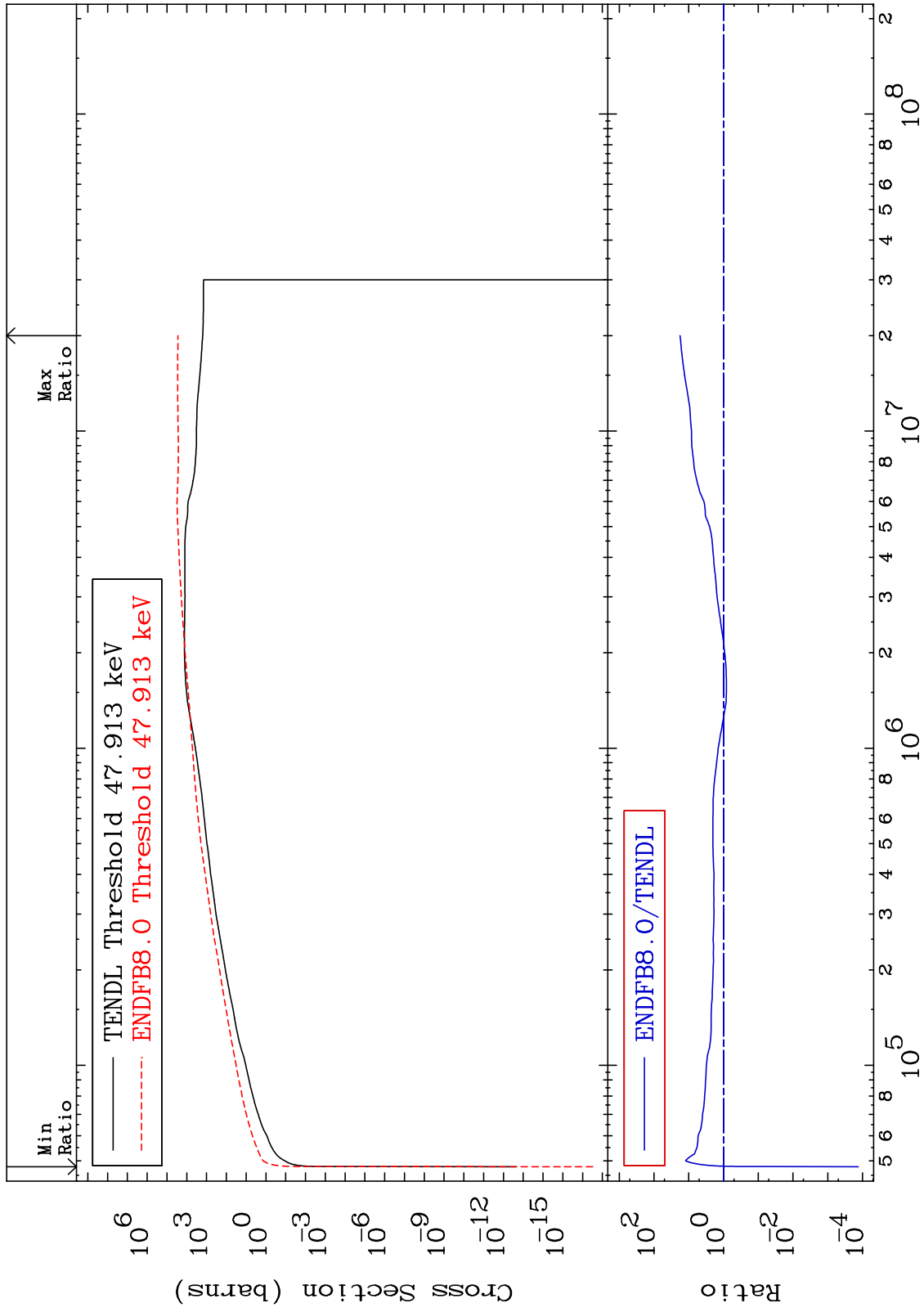
94-Pu-237
-35.77 To 112.4 %



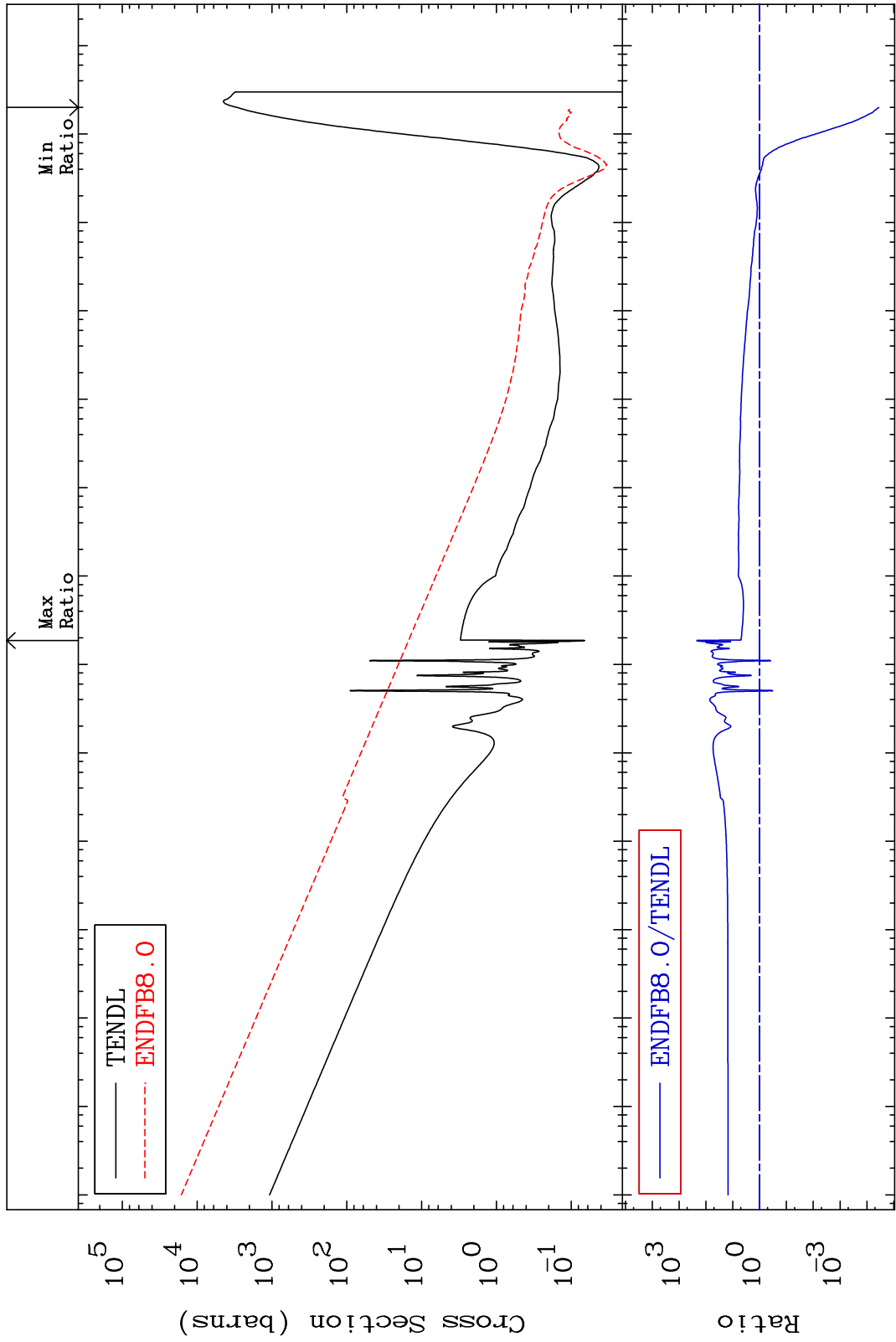
MAT 9431

Dpa inelastic (mt51-91)
Cross Section

94-Pu-237
-99.99 To 1687. %



MAT 9431 Dpa disappearance (mt102 -120) 94-Pu-237
 Cross Section -100.0 To 9999. %



Incident Energy (eV) 94-Pu-237