

Program Complot
(Version 2018-1)

by

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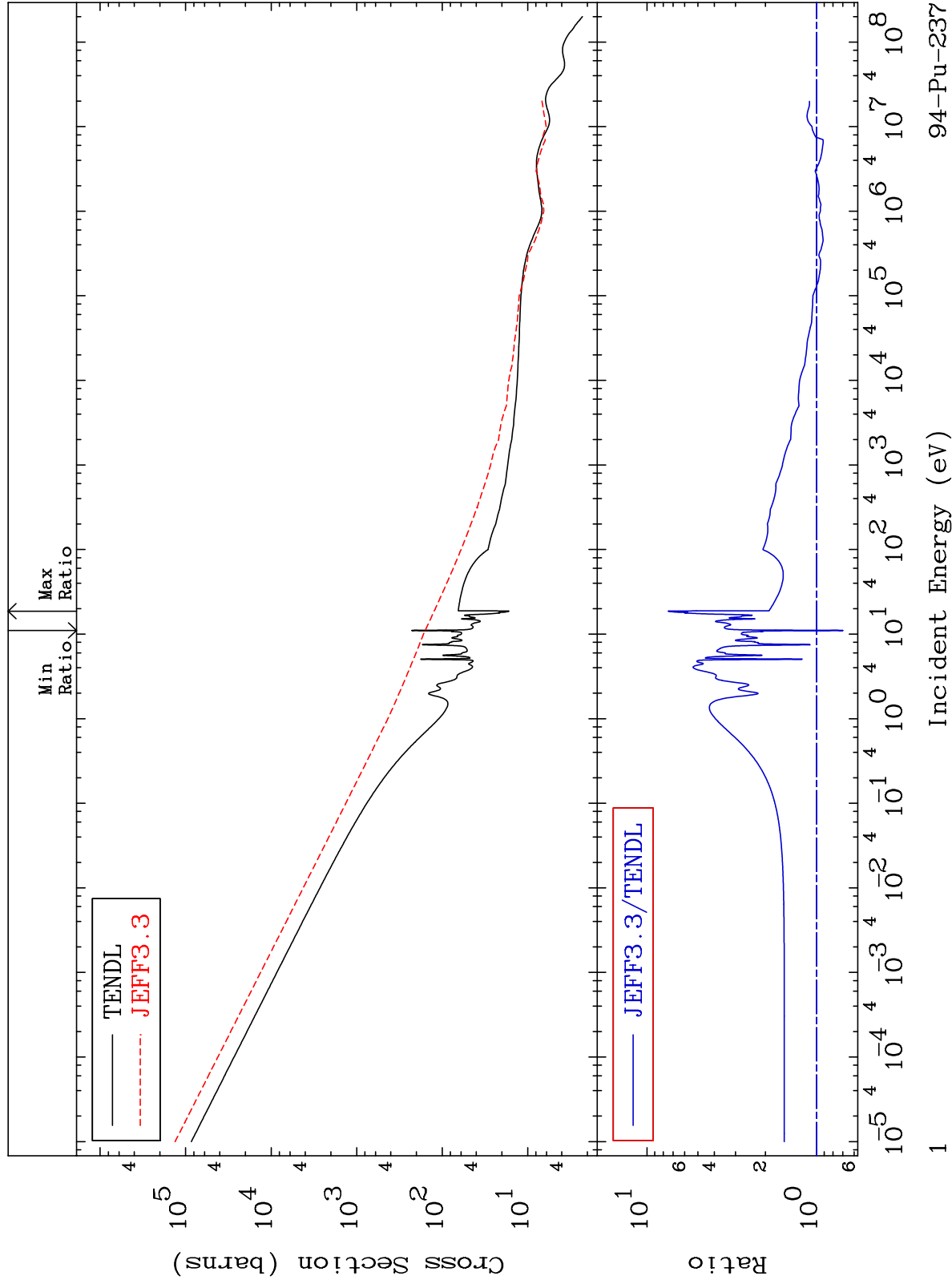
Press Mouse Button to Start

MAT 9431

94-Pu-237

-30.10 To 650.9 %

Total
Cross Section



94-Pu-237

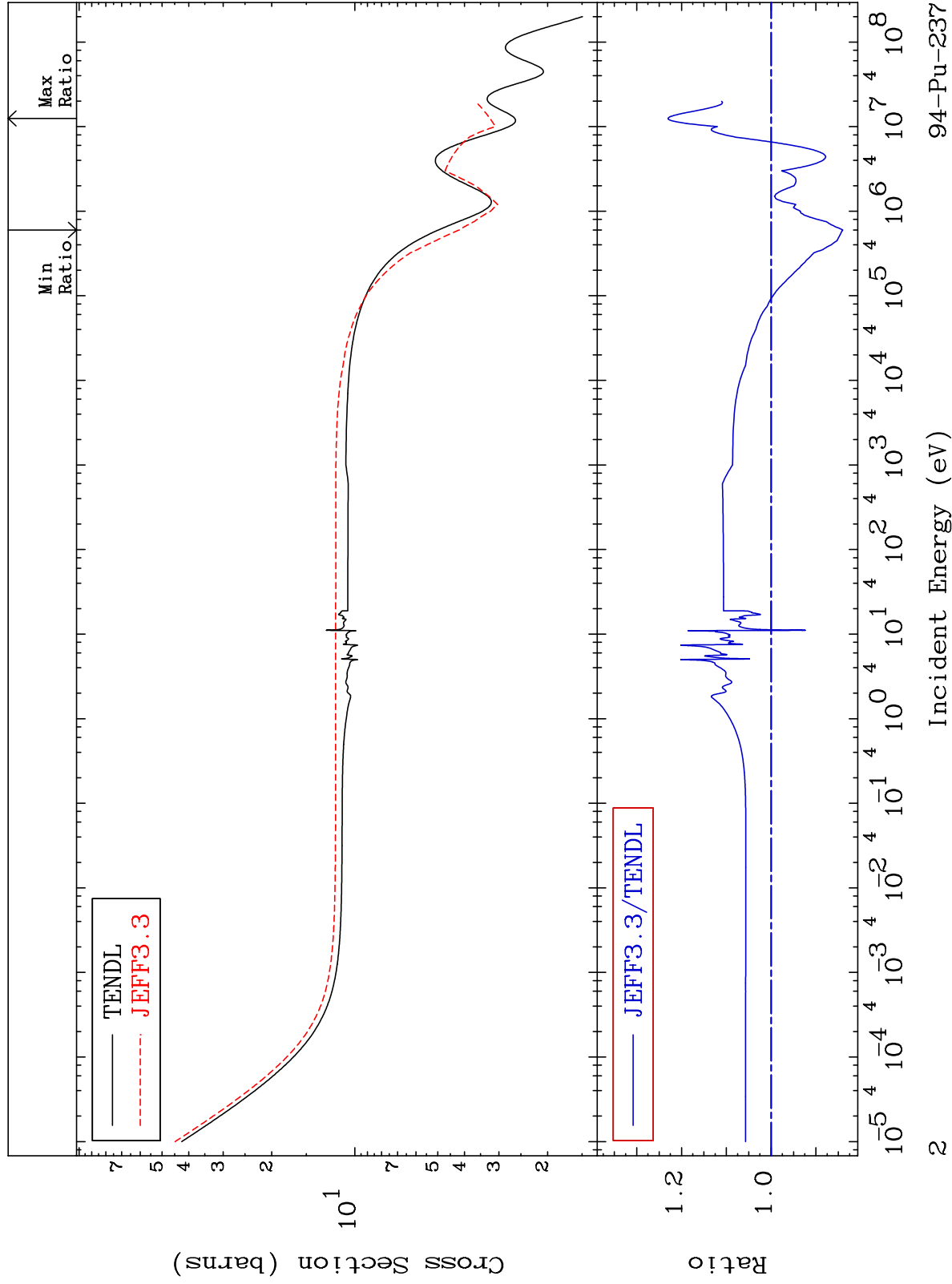
MAT 9431

Elastic

Cross Section

94-Pu-237

-16.00 To 23.02 %



94-Pu-237

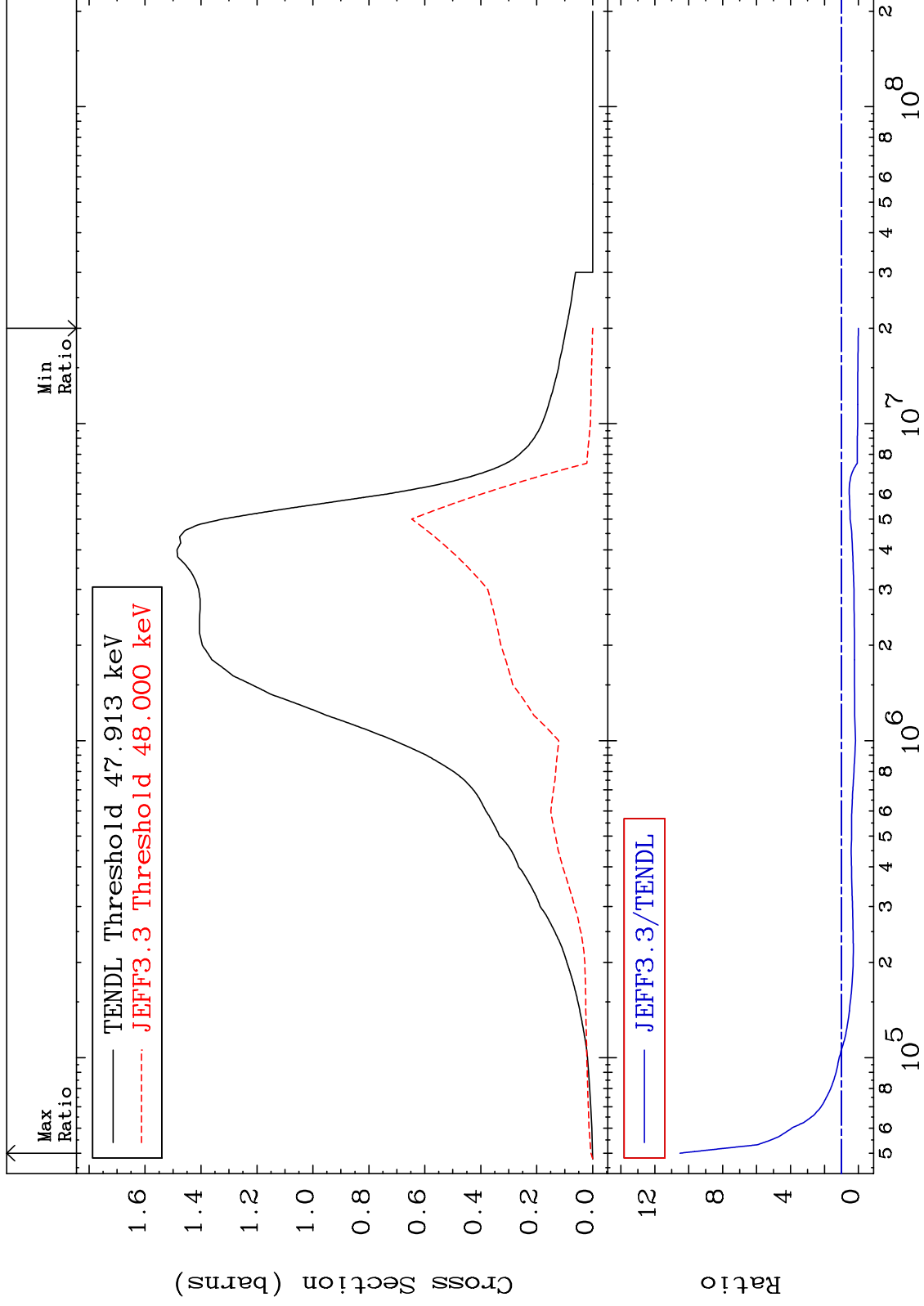
Incident Energy (eV)

2

MAT 9431

Inelastic
Cross Section

94-Pu-237
-100.0 To 951.3 %



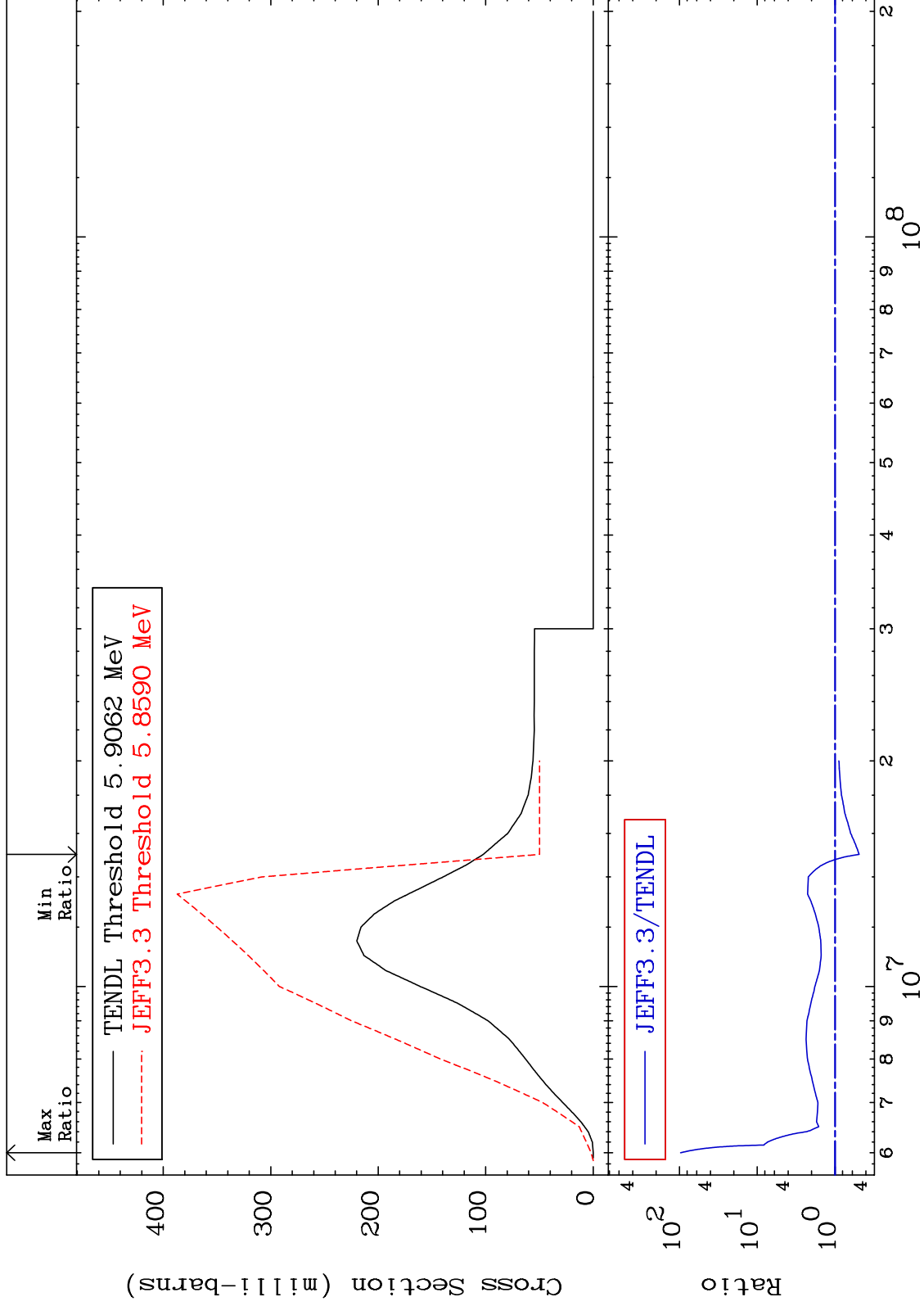
MAT 9431

(n,2n)

94-Pu-237

Cross Section

-51.10 To 9584. %



4

Incident Energy (eV)

94-Pu-237

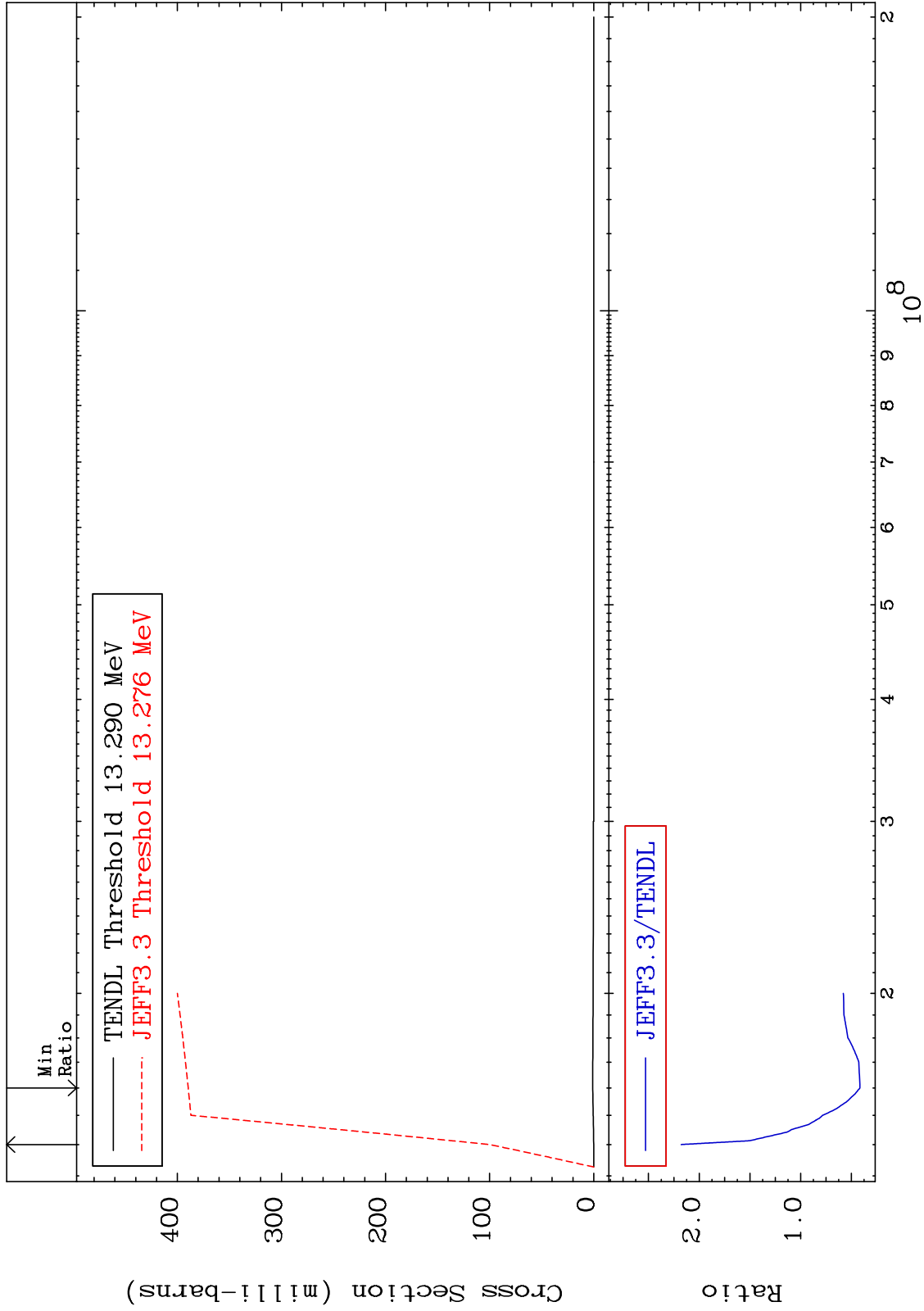
MAT 9431

(n, 3n)

94-Pu-237

Cross Section

9999. To 9999. %



94-Pu-237

9999. To 9999. %

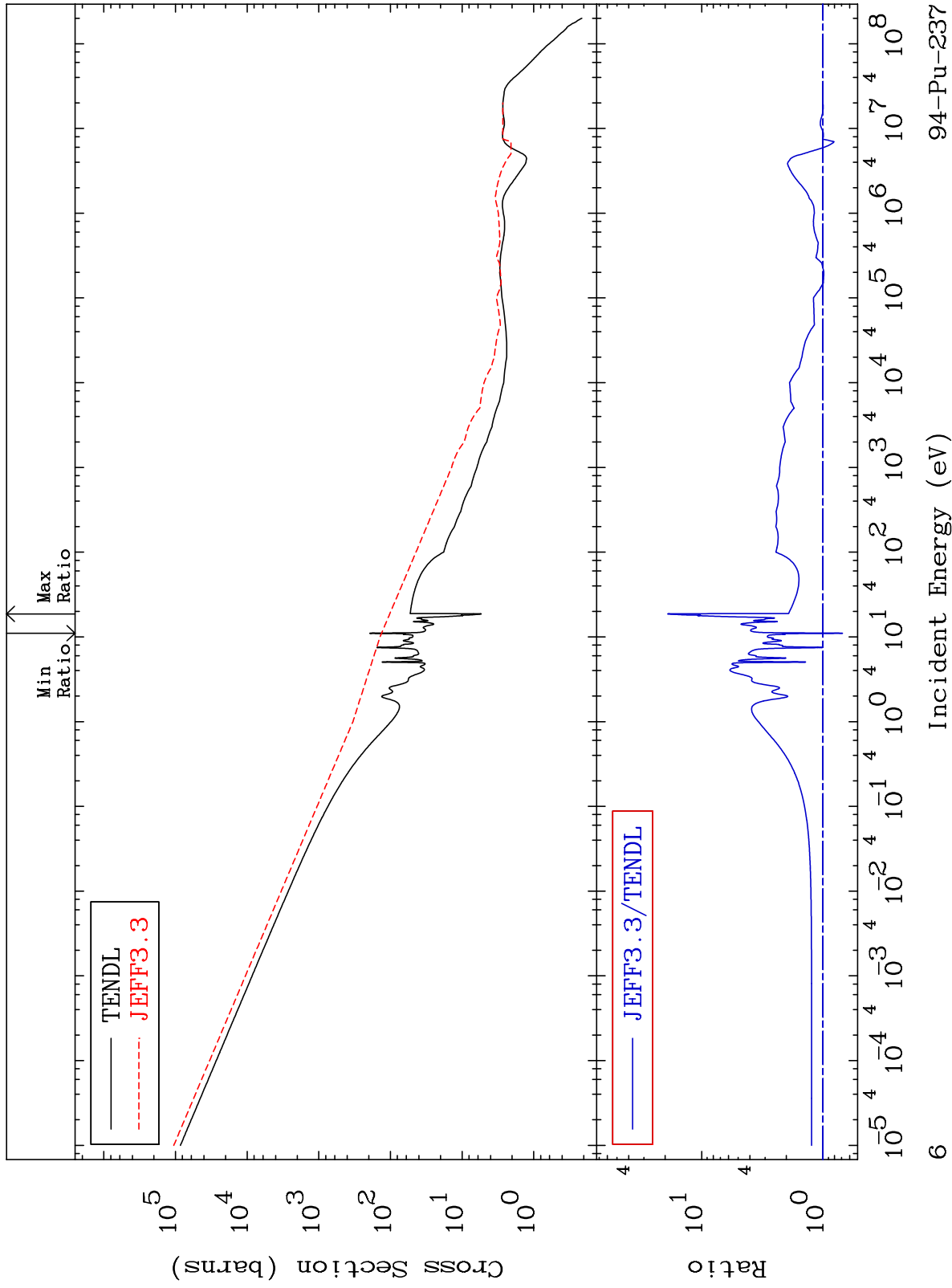
5

MAT 9431

94-Pu-237

-31.39 To 1811. %

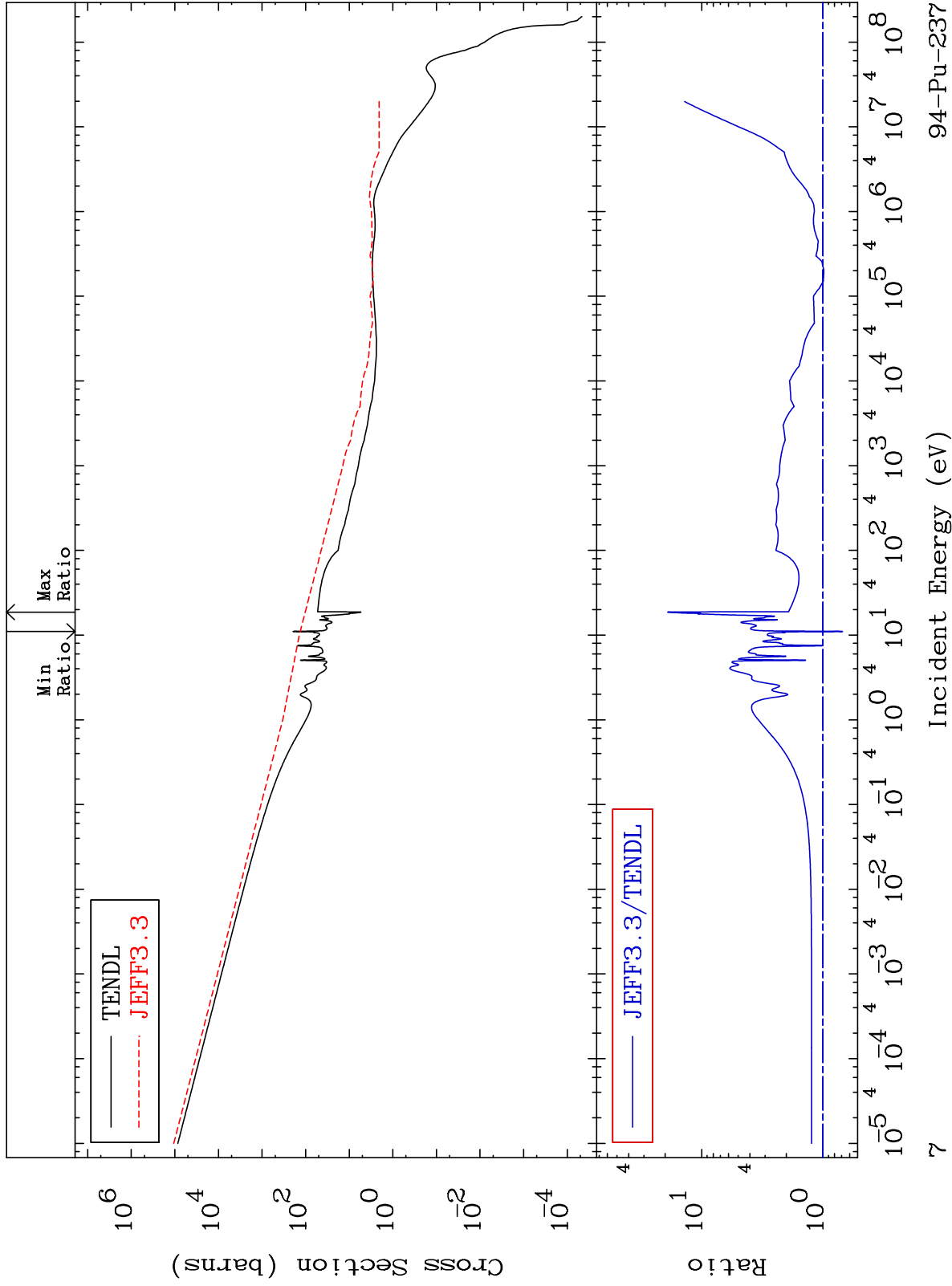
Fission
Cross Section



MAT 9431

(n,f) First Chance
Cross Section

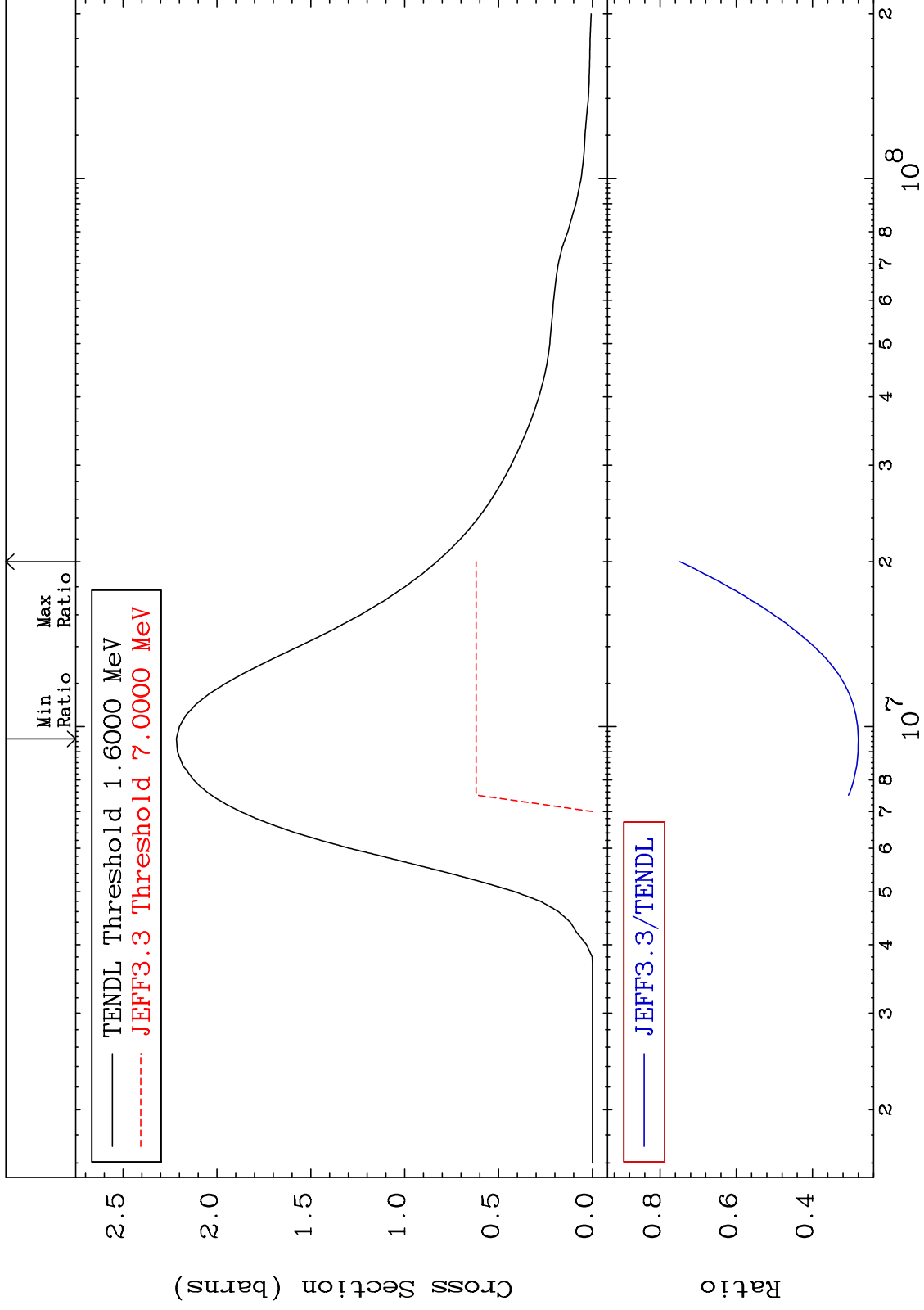
94-Pu-237
-31.39 To 1811. %



MAT 9431

(n, nf) Second Chance
Cross Section

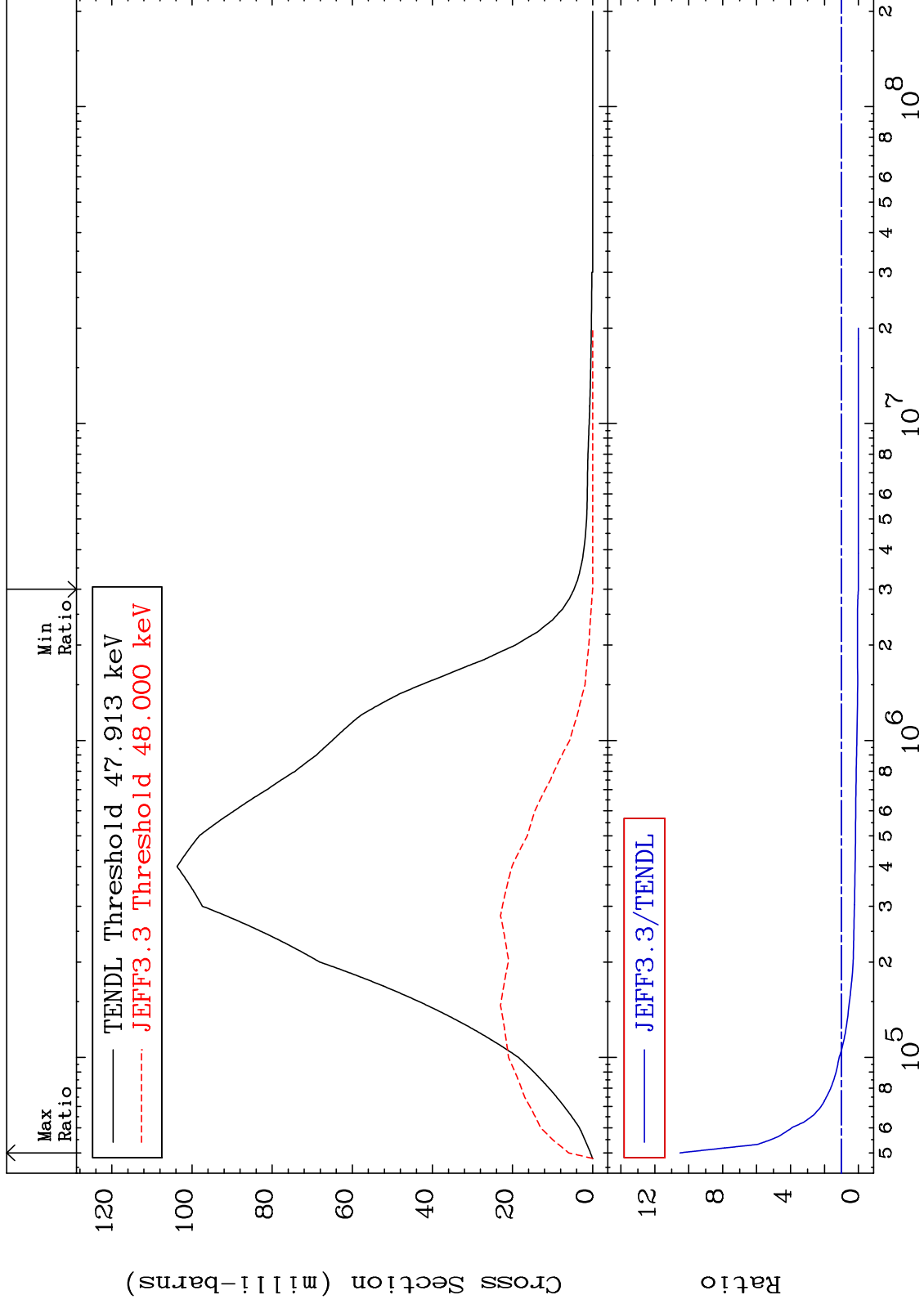
94-Pu-237
-72.03 To -25.18%



MAT 9431

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

94-Pu-237
-100.0 To 951.3 %



9

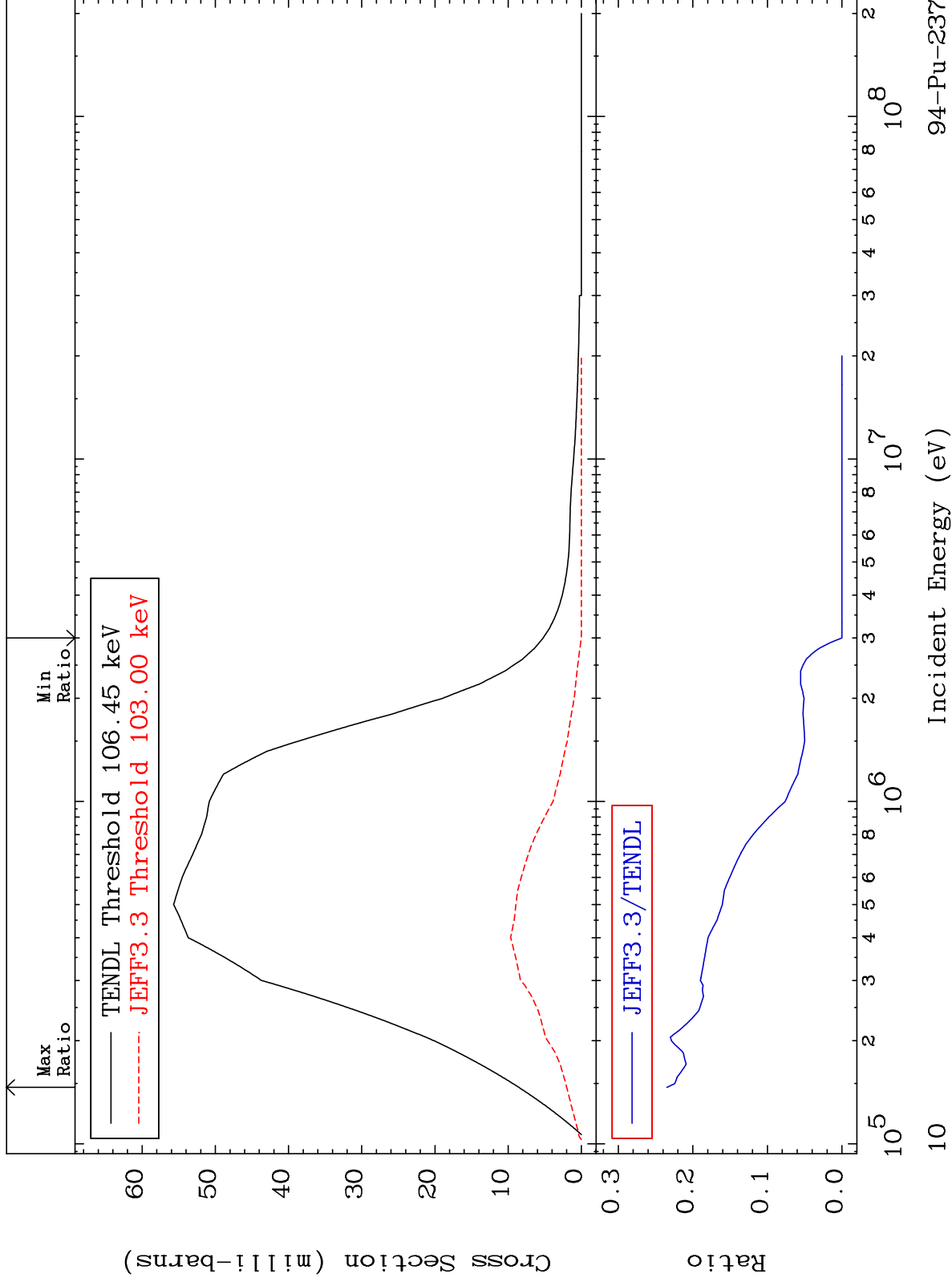
94-Pu-237

94-Pu-237

MAT 9431

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

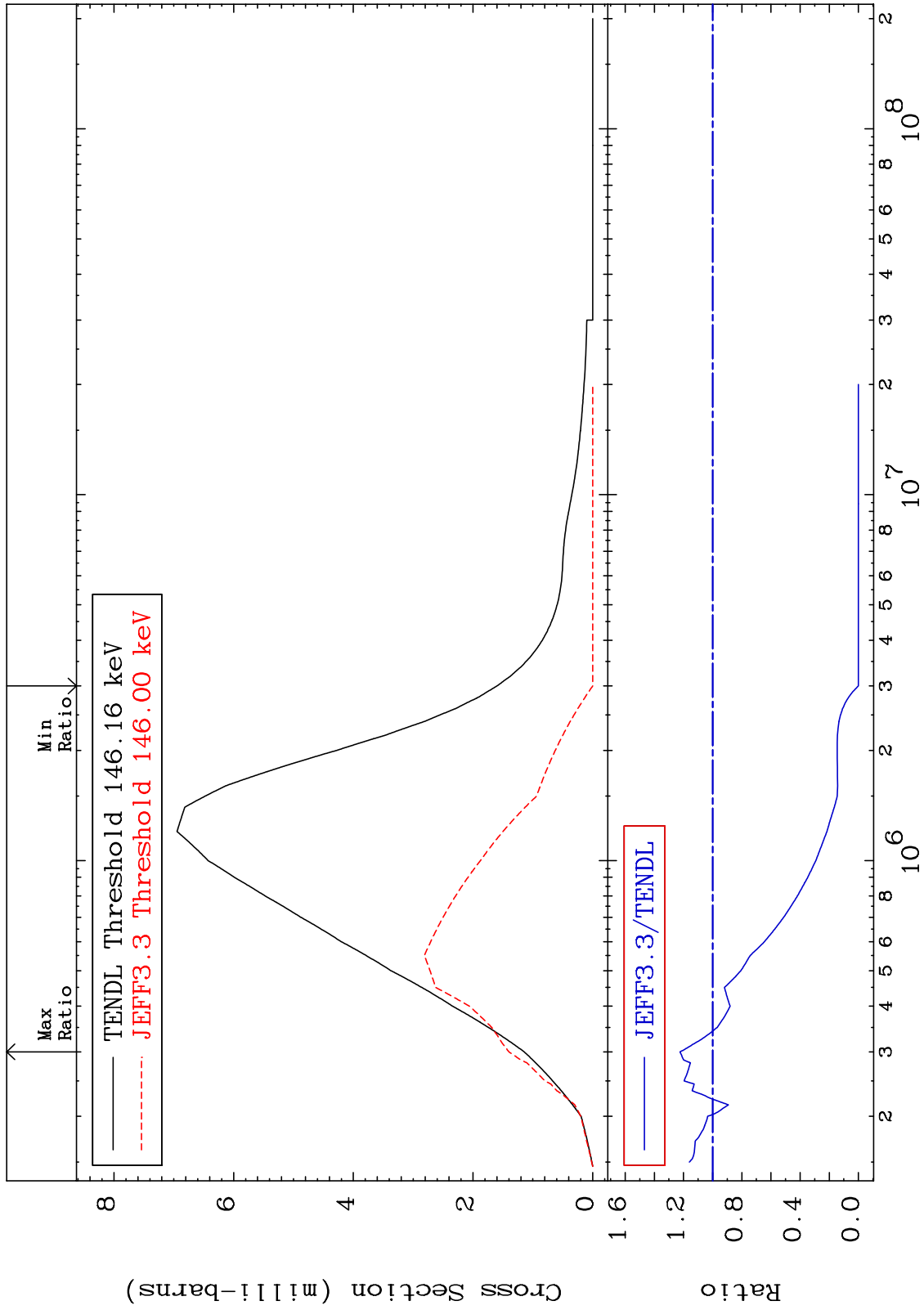
94-Pu-237
-100.0 To -76.53%



MAT 9431

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

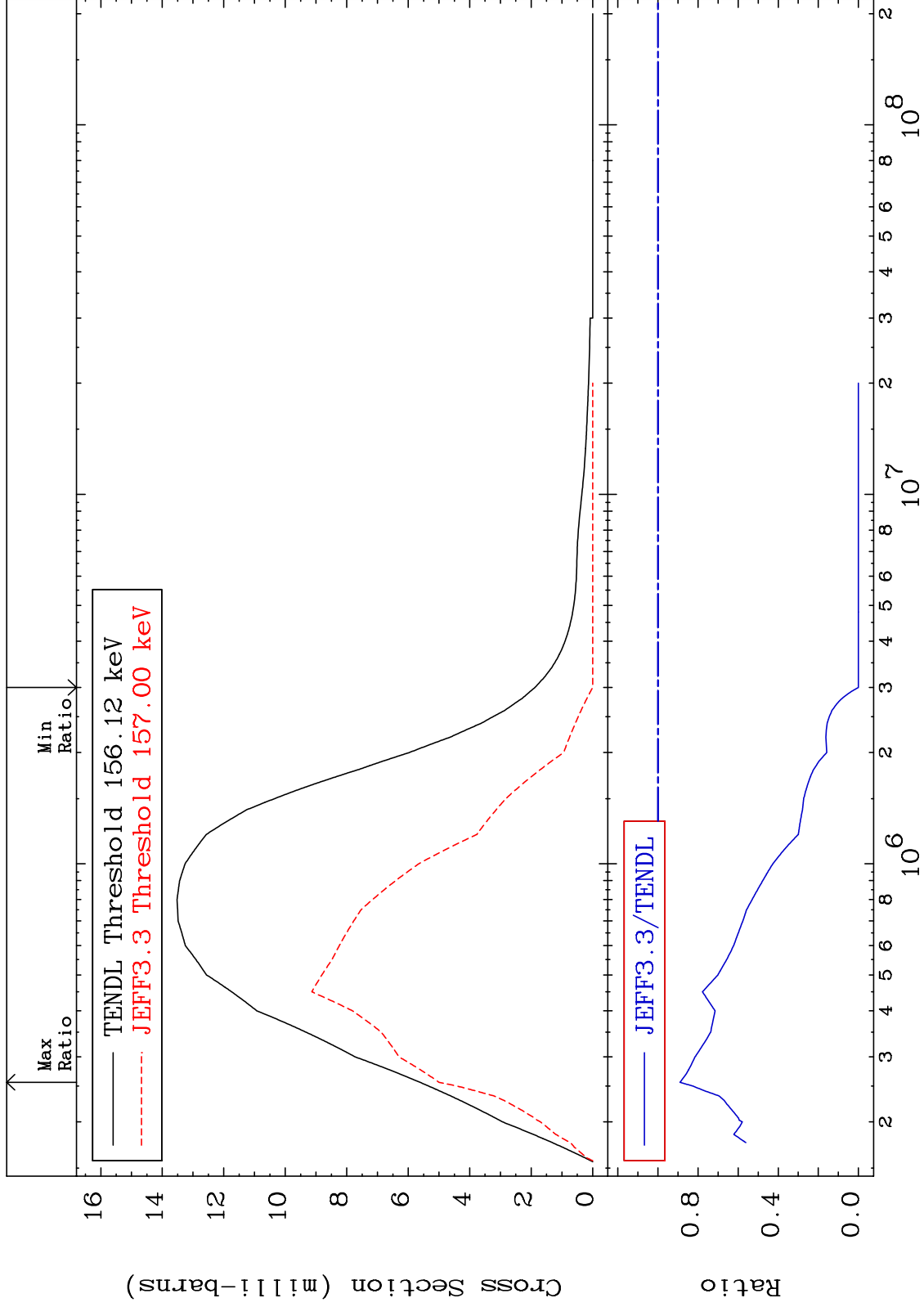
94-Pu-237
-100.0 To 22.40 %



MAT 9431

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

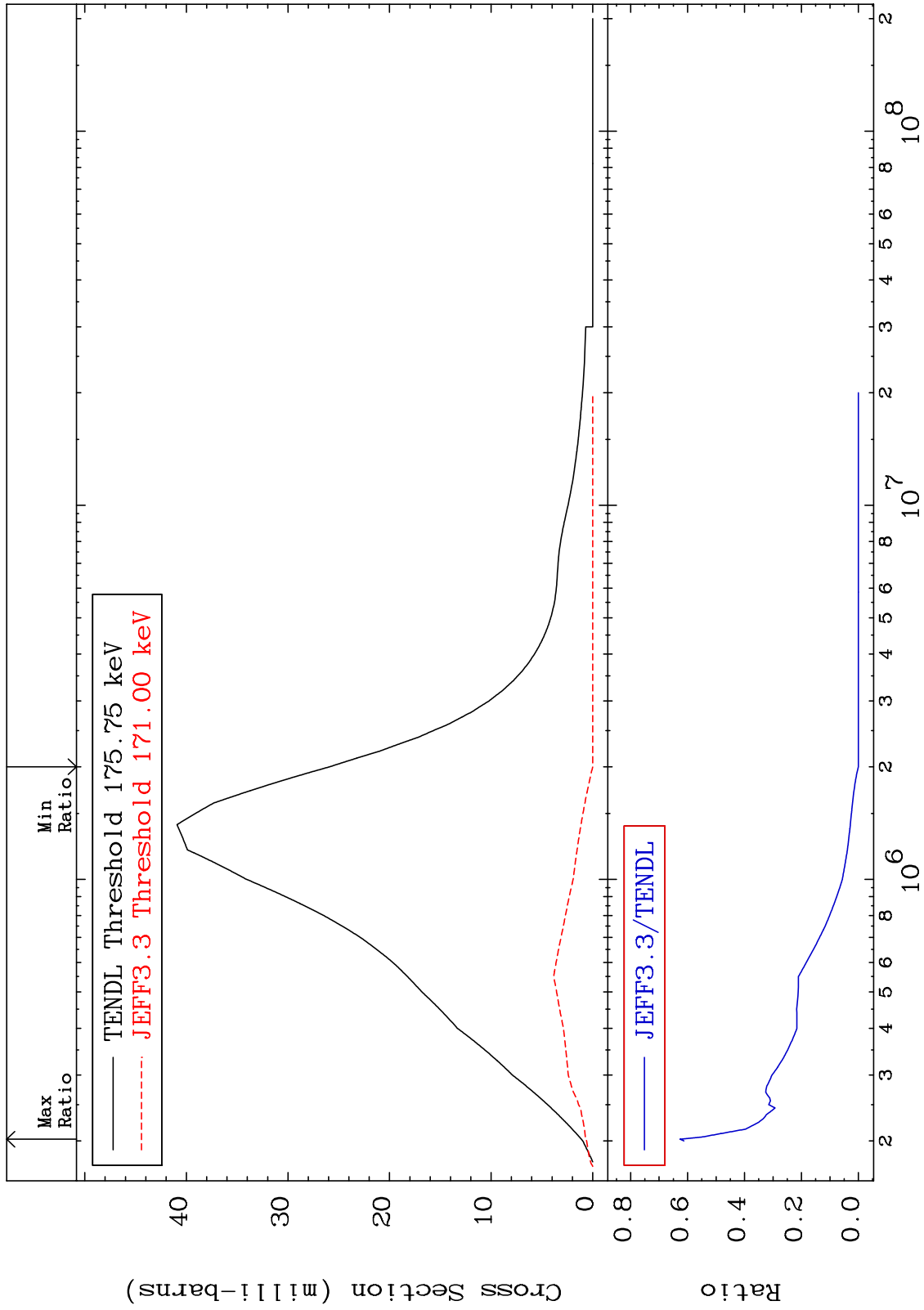
94-Pu-237
-100.0 To -11.02%



MAT 9431

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

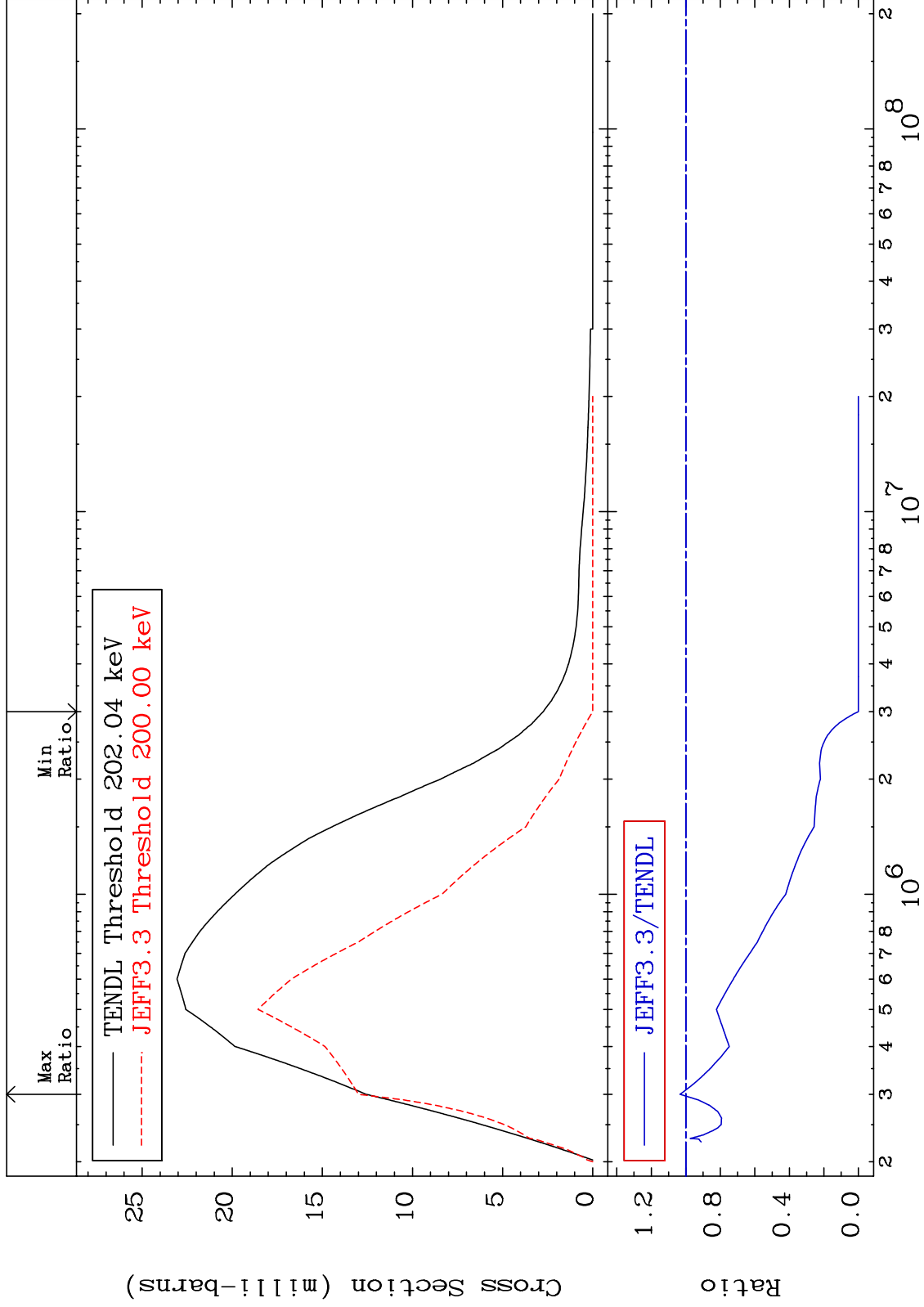
94-Pu-237
-100.0 To -37.34%



MAT 9431

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

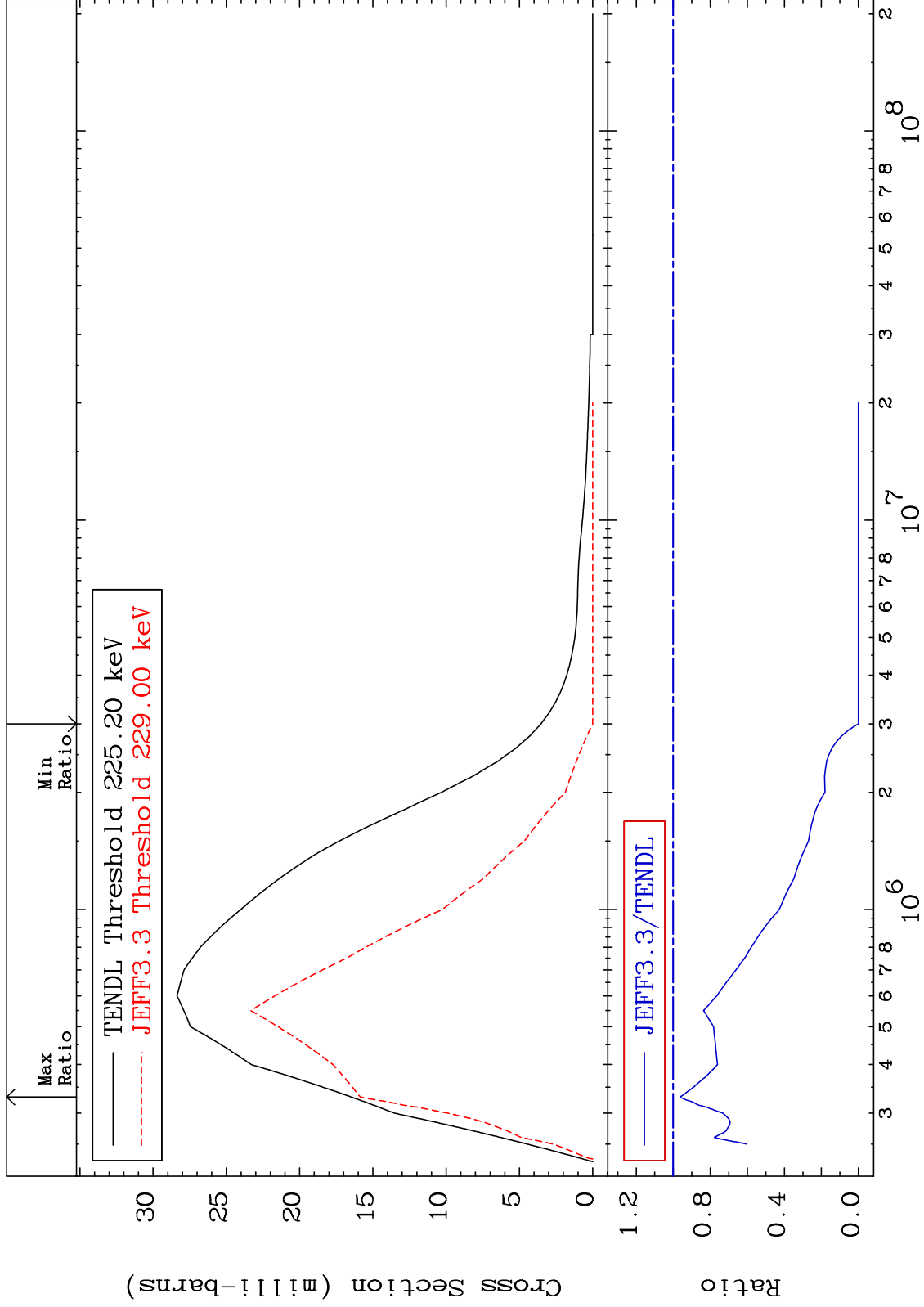
94-Pu-237
-100.0 To 3.351 %



MAT 9431

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

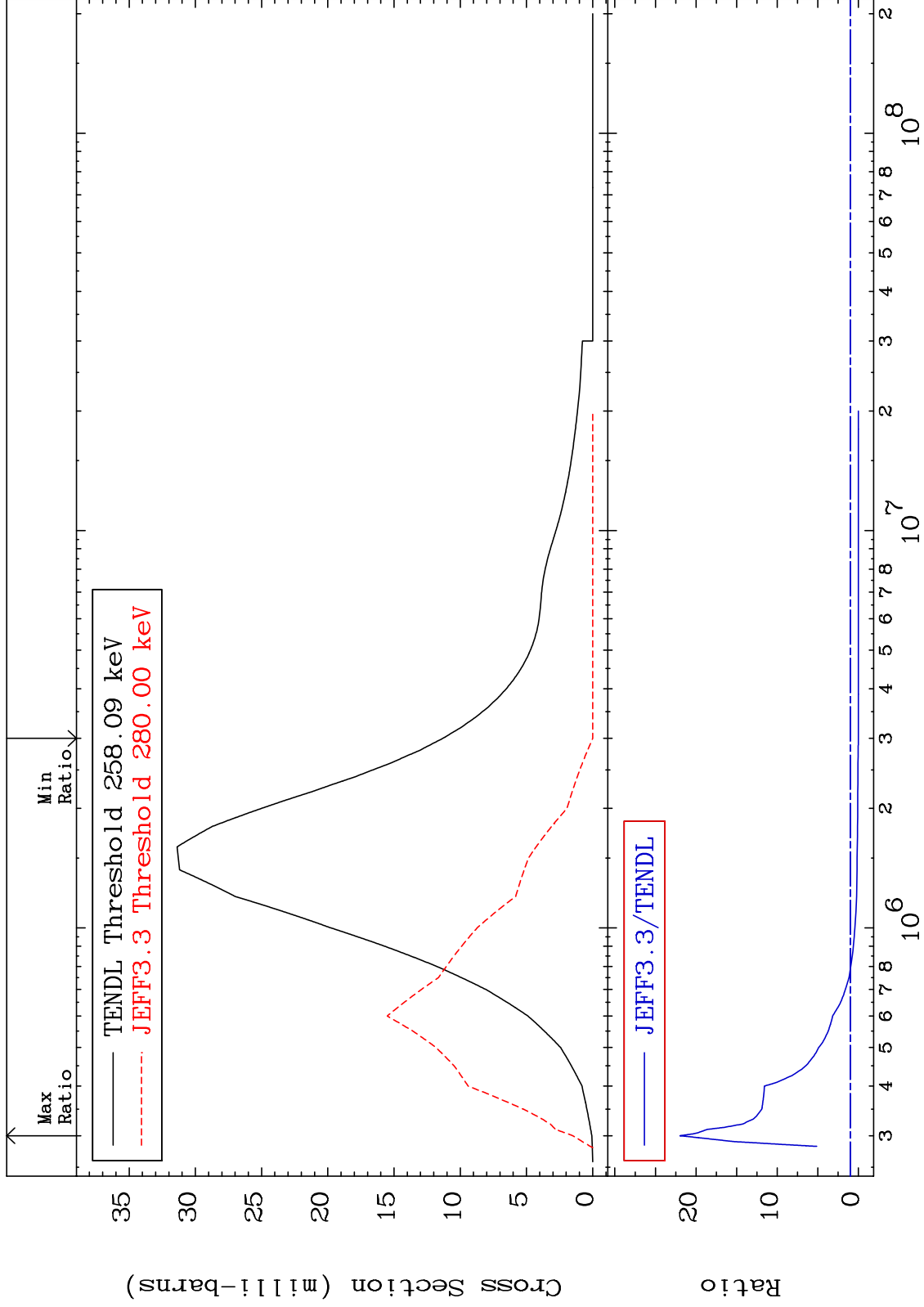
94-Pu-237
-100.0 To -3.654%



MAT 9431

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

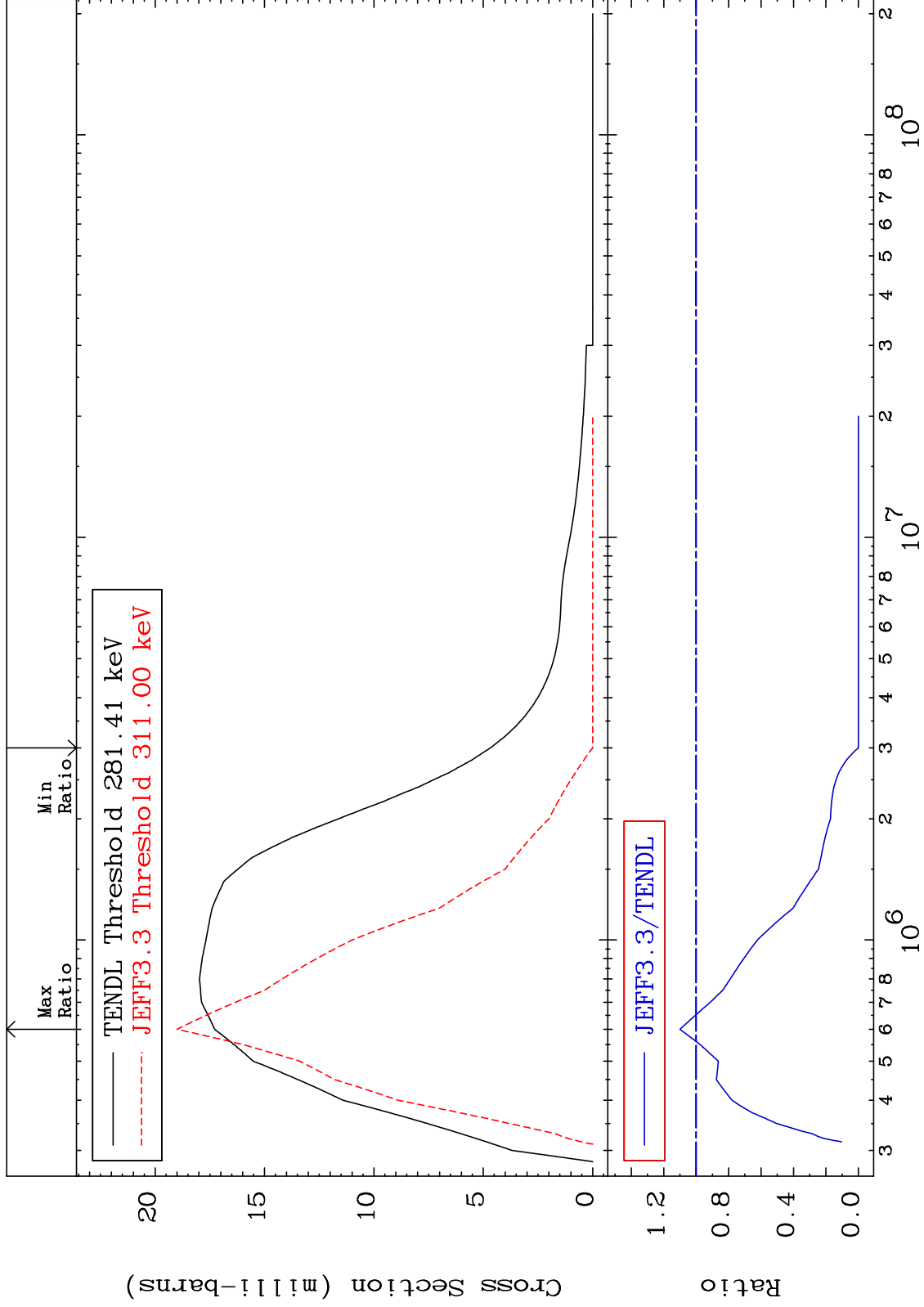
94-Pu-237
-100.0 To 2097. %



MAT 9431

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

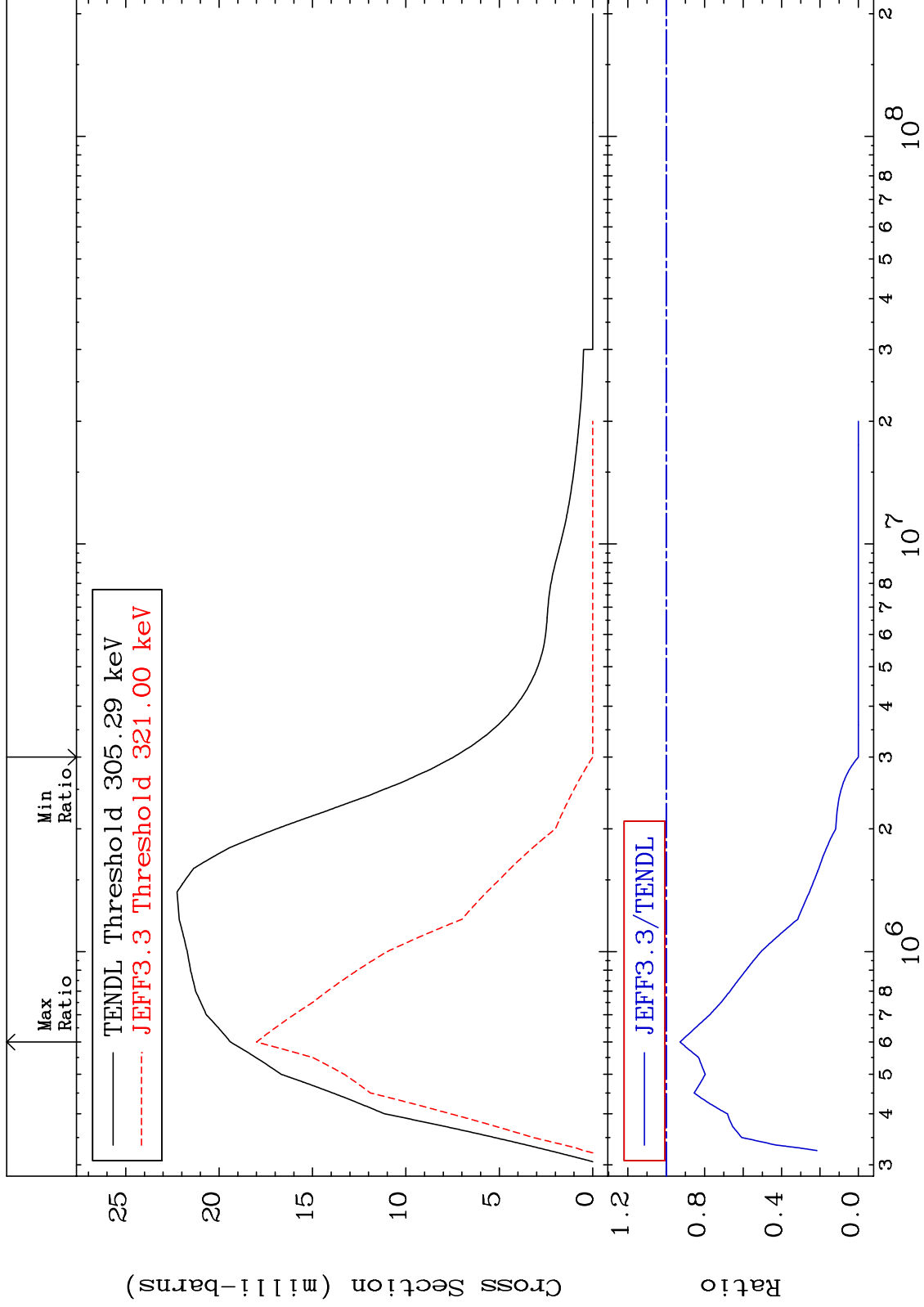
94-Pu-237
-100.0 To 9.945 %



MAT 9431

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

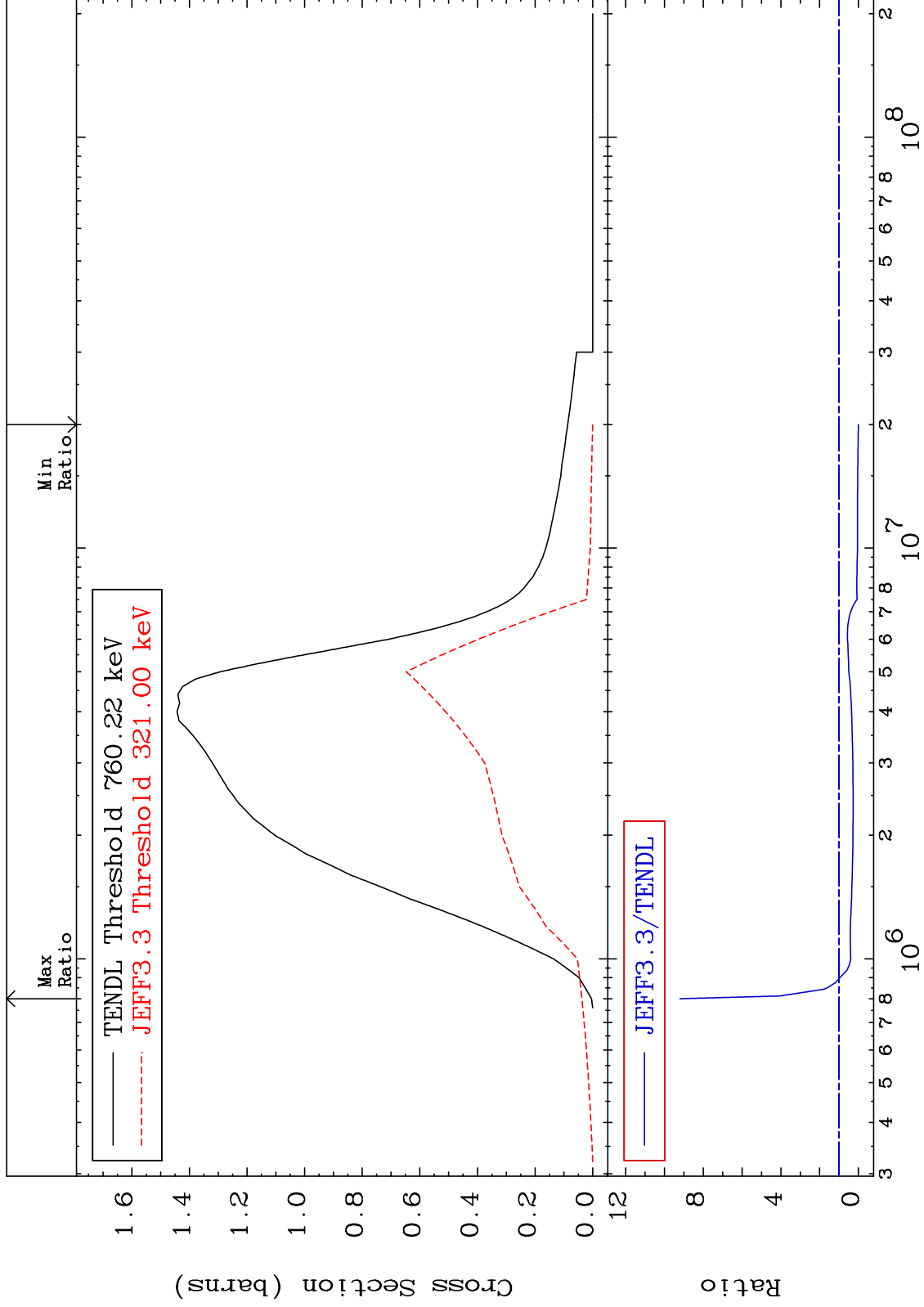
94-Pu-237
-100.0 To -7.180%



MAT 9431

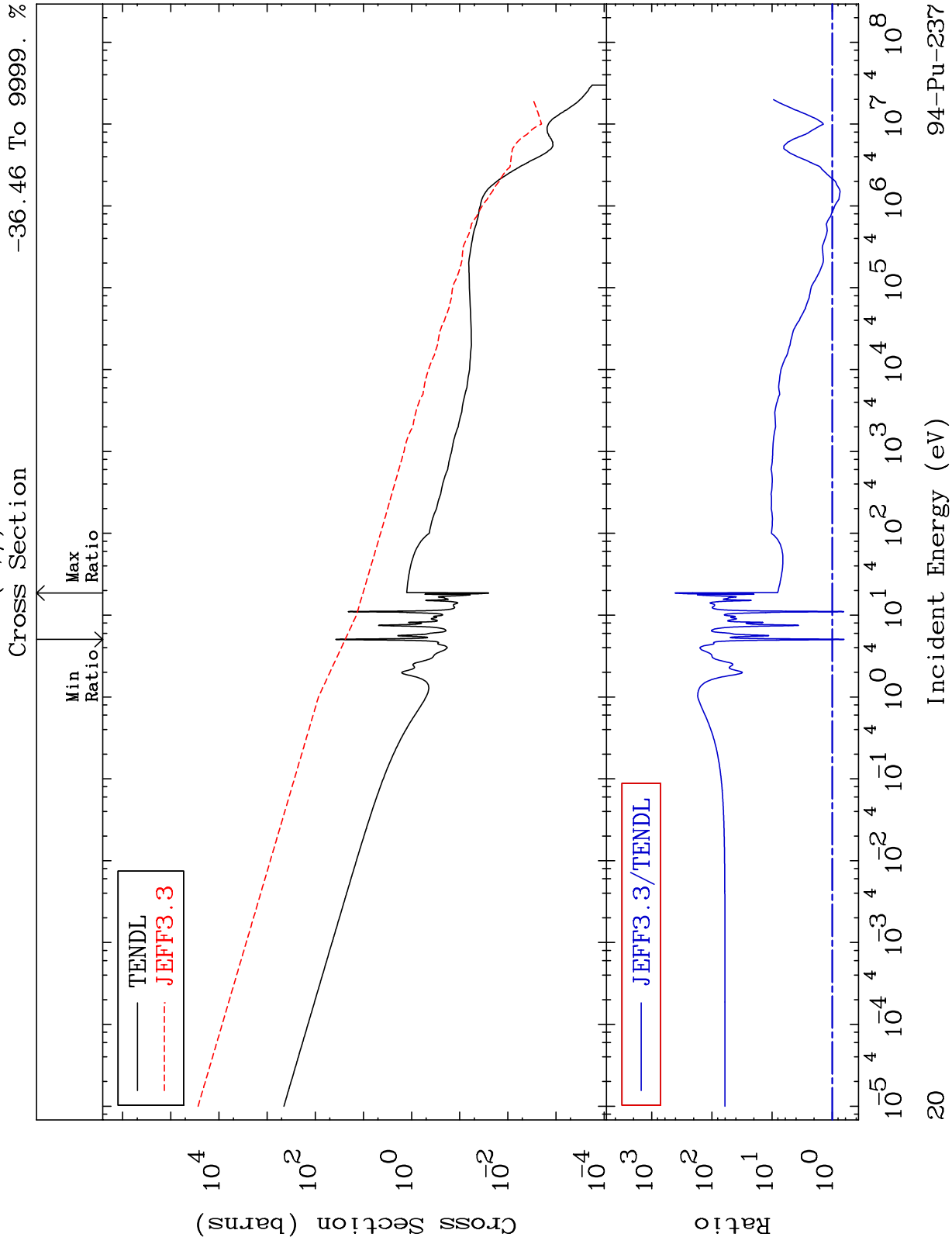
(n, n') Continuum
Cross Section

94-Pu-237
-100.0 To 820.0 %



MAT 9431

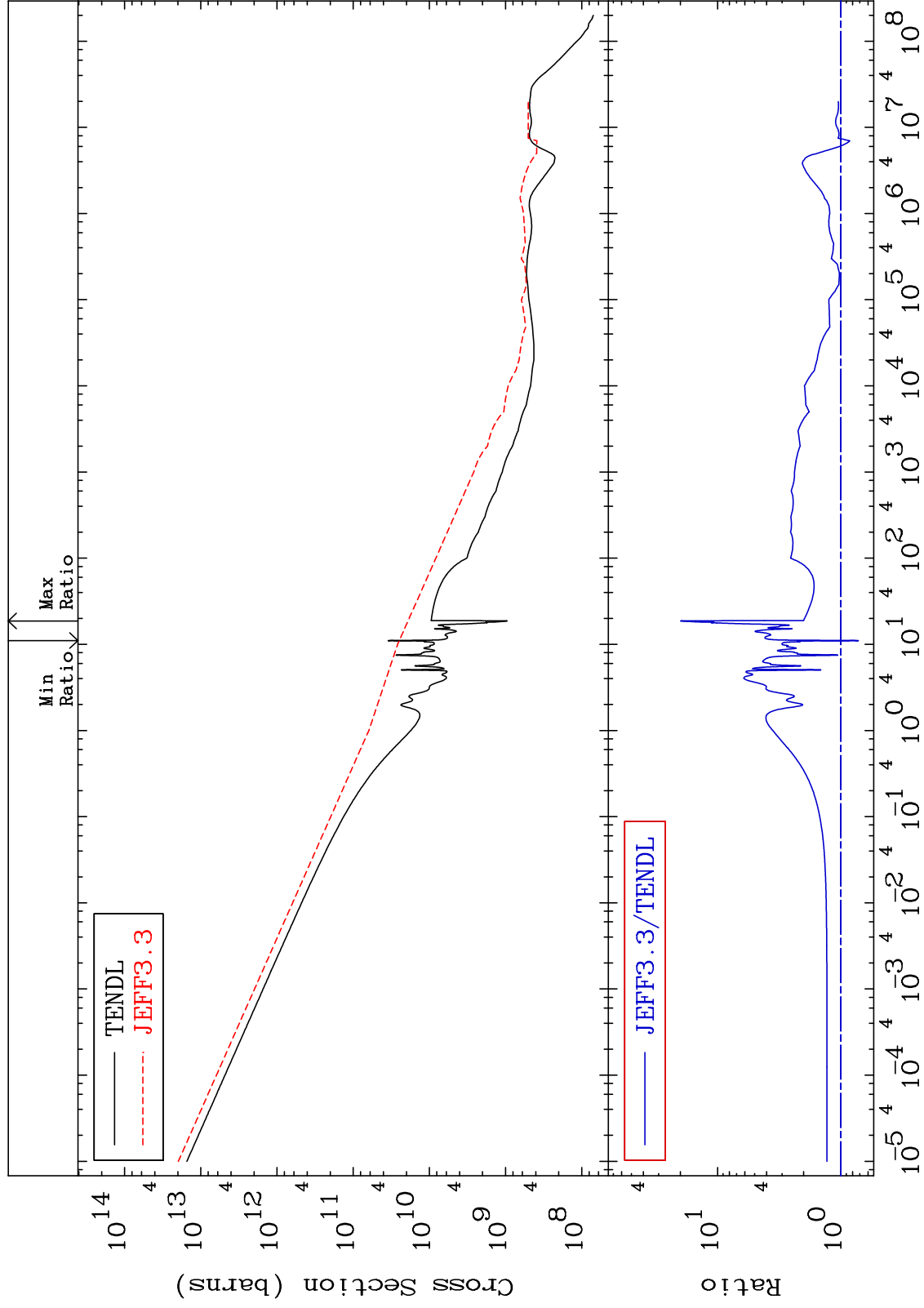
(n, γ)
94-Pu-237
-36.46 To 9999. %



MAT 9431

Kerma total (eV-barns)
Cross Section

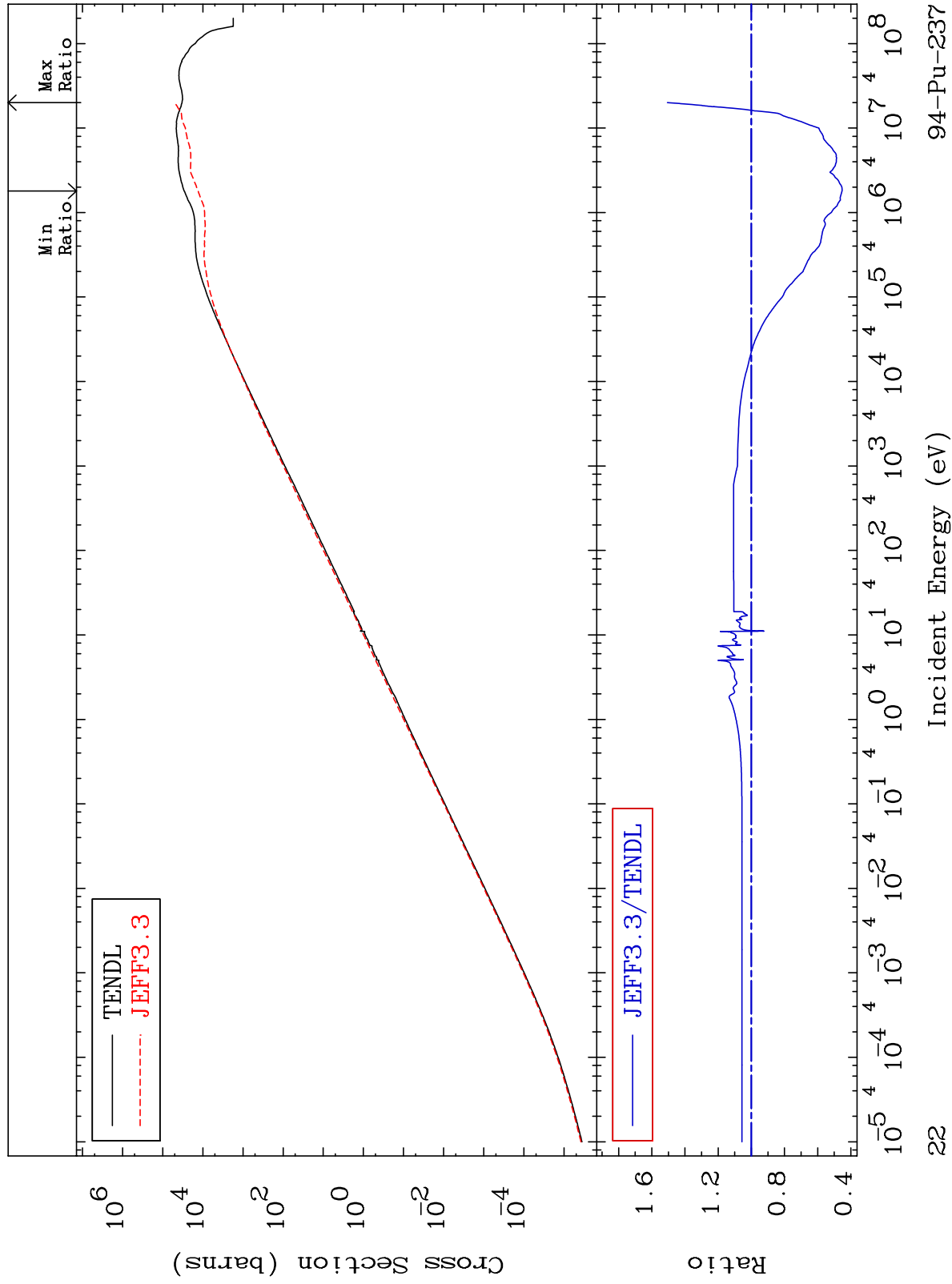
94-Pu-237
-28.26 To 1899. %



MAT 9431

Kerma elastic
Cross Section

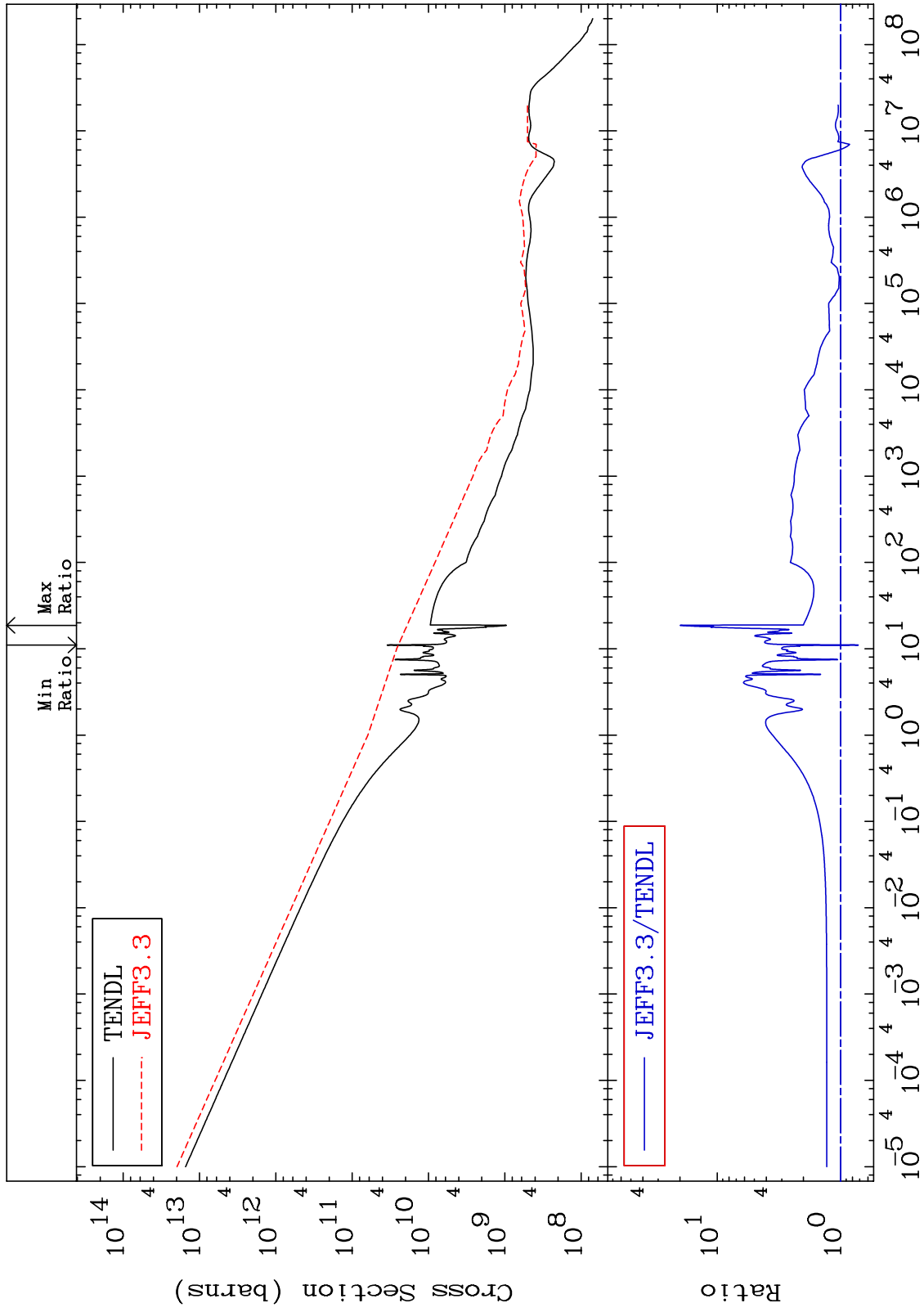
94-Pu-237
-54.73 To 50.56 %



MAT 9431

Kerma non-elastic (all but mt2)
Cross Section

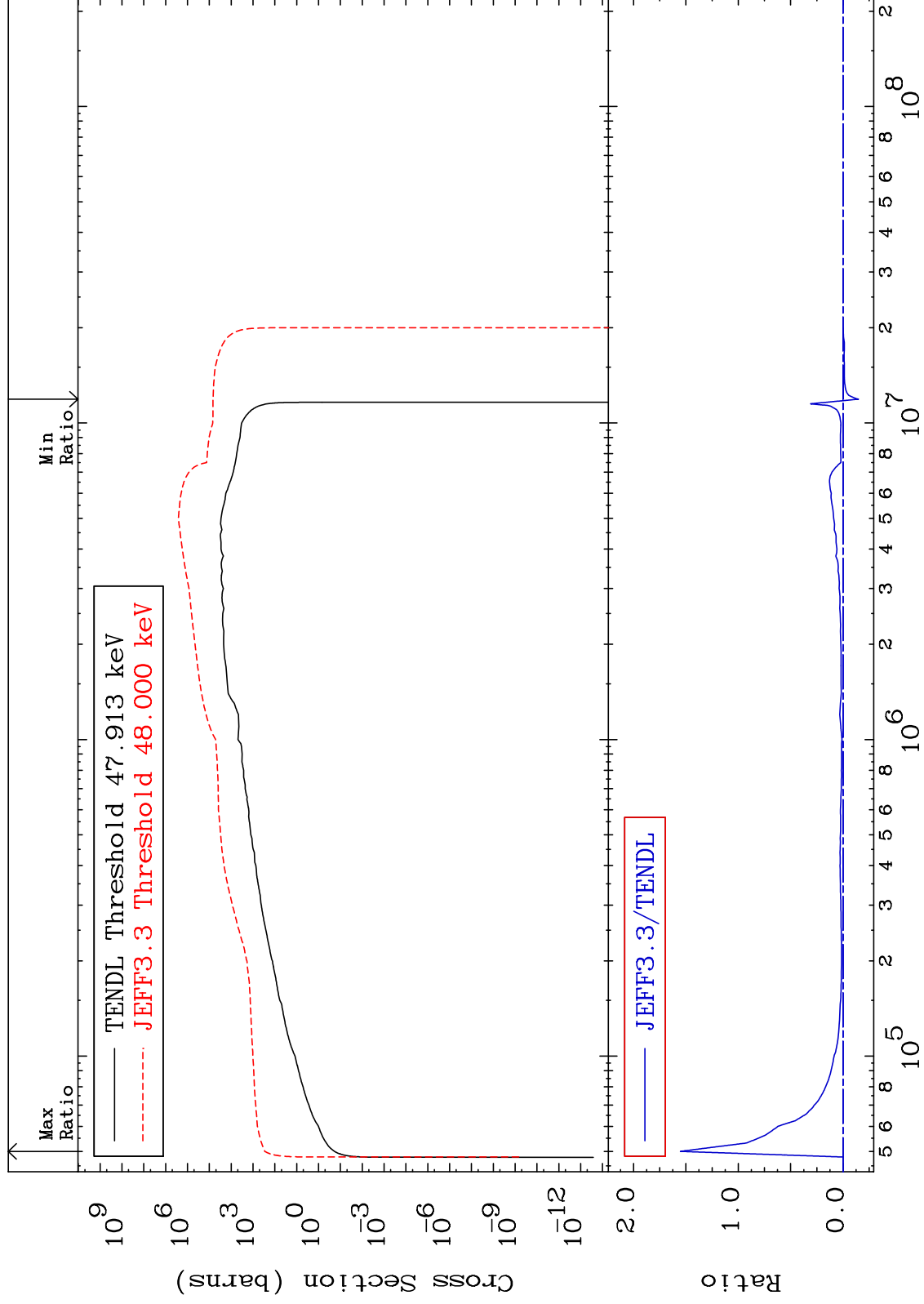
94-Pu-237
-28.26 To 1899. %



MAT 9431

Kerma inelastic (mt51-91)
Cross Section

94-Pu-237
-9999. To 9999. %



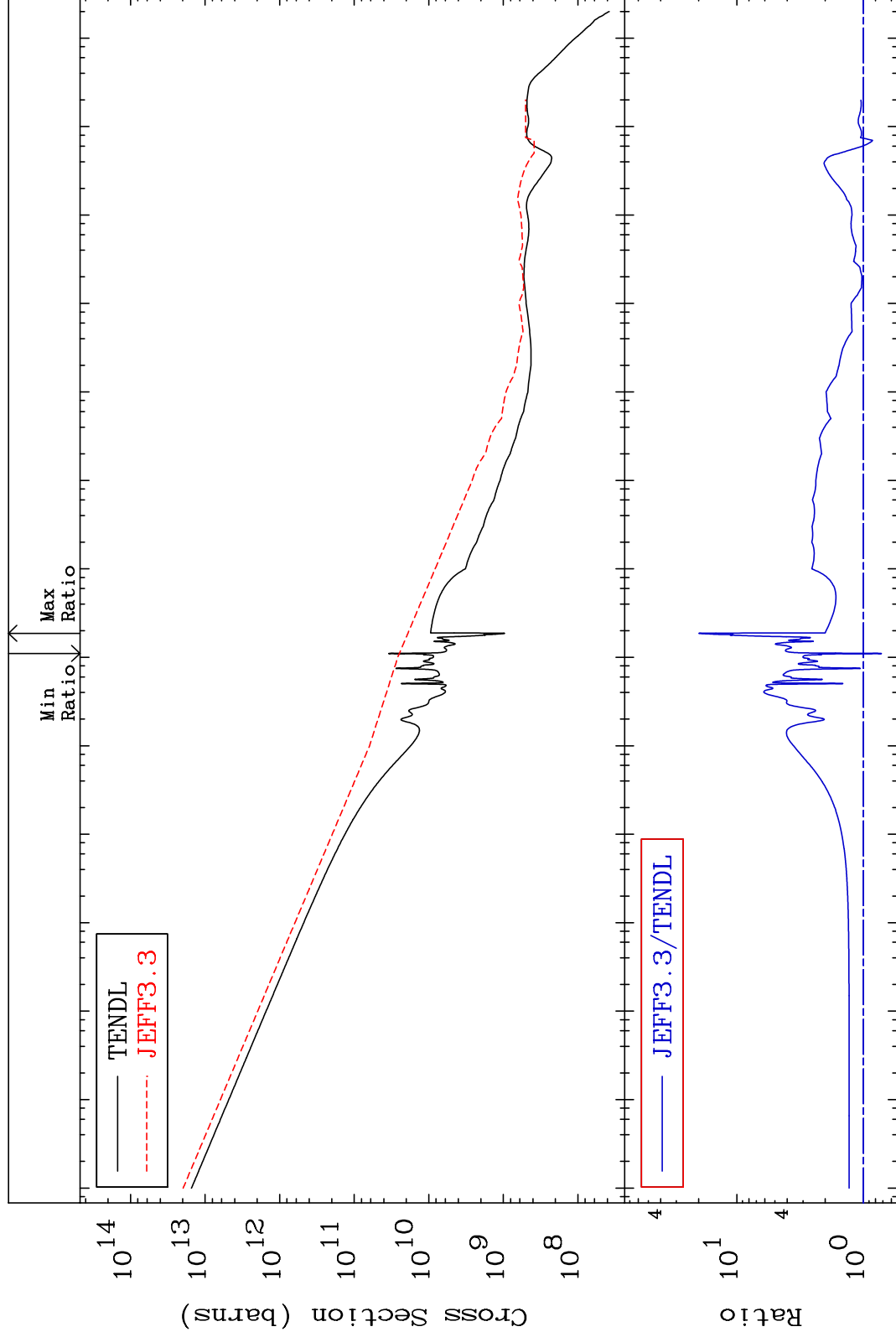
MAT 9431

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

94-Pu-237

-28.26 To 1899. %

Cross Section



25

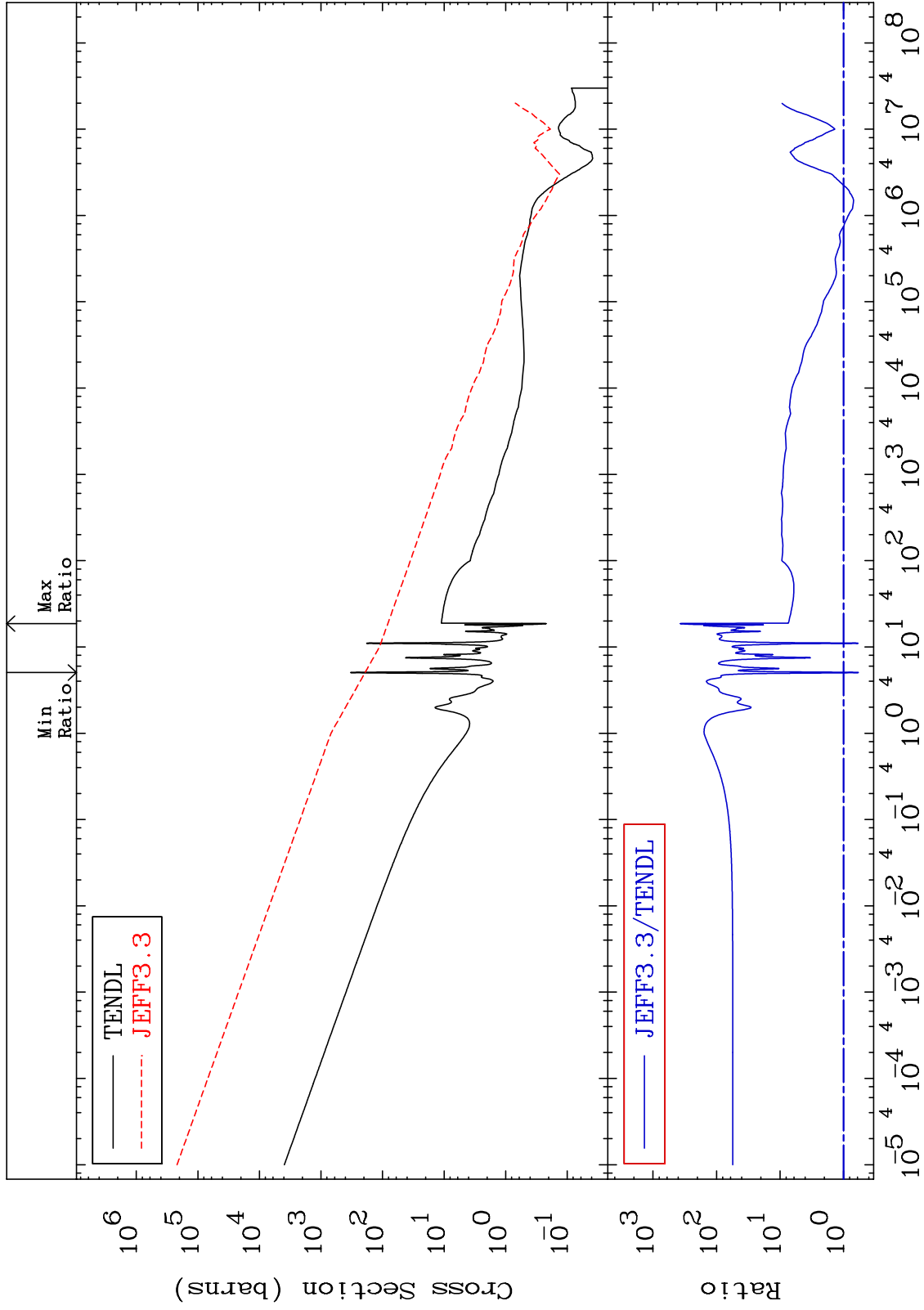
Incident Energy (eV)

94-Pu-237

MAT 9431

Kerma capture (mt102)
Cross Section

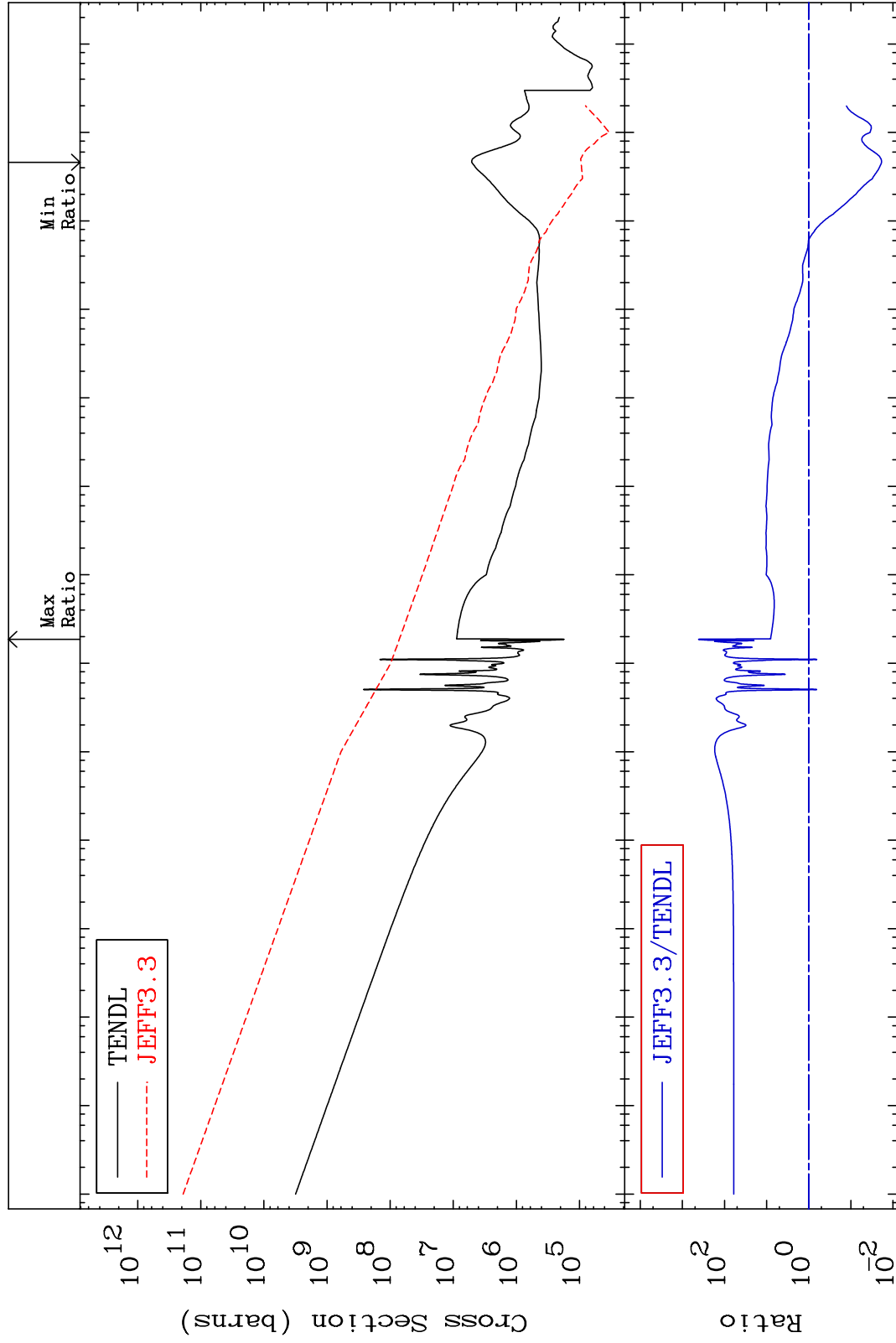
94-Pu-237
-41.82 To 9999. %



MAT 9431

Total photon (eV-barns)
Cross Section

94-Pu-237
-98.14 To 9999. %



27

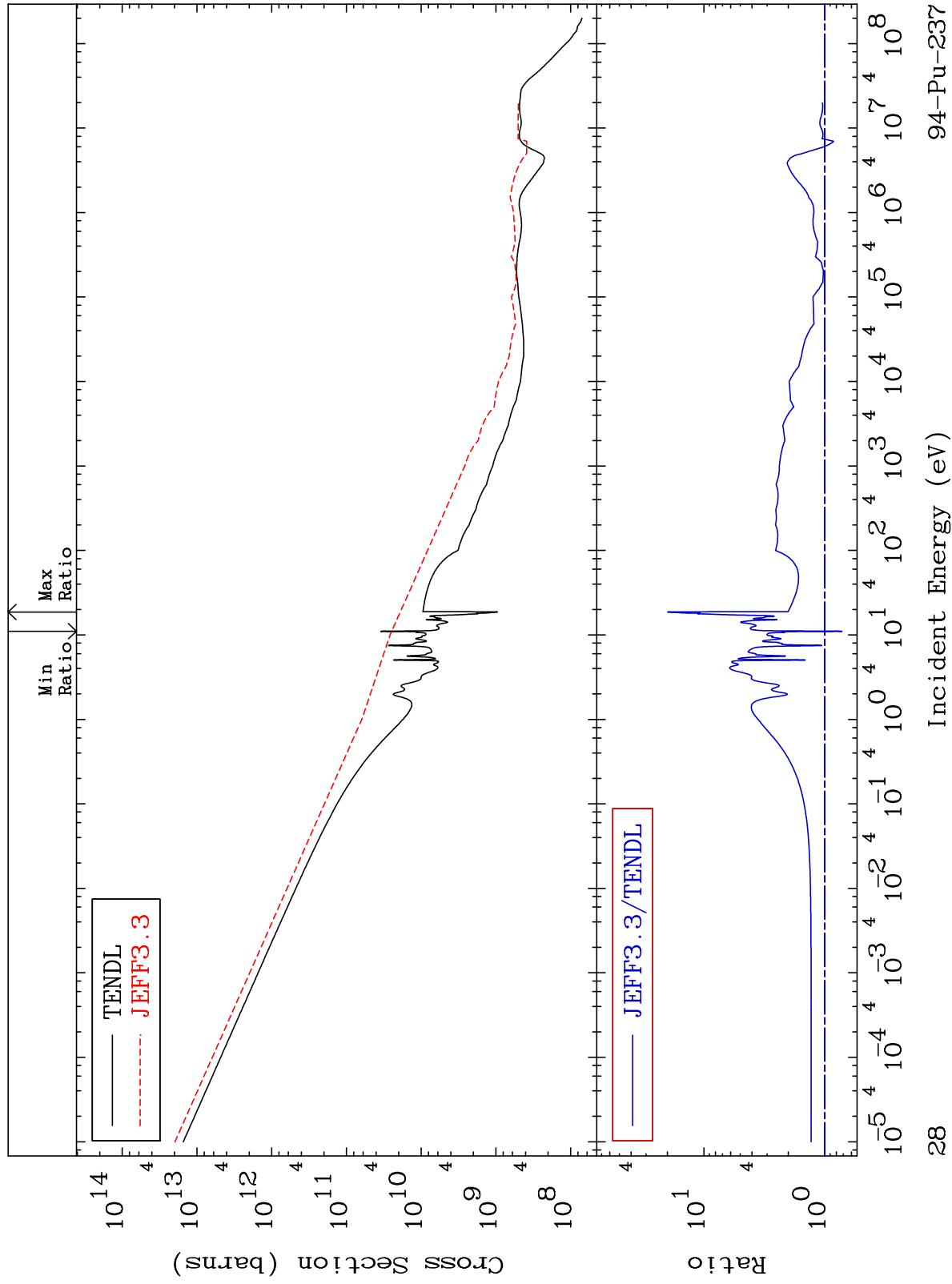
Incident Energy (eV)

94-Pu-237

MAT 9431

Total kinematic kerma (high limit)
Cross Section

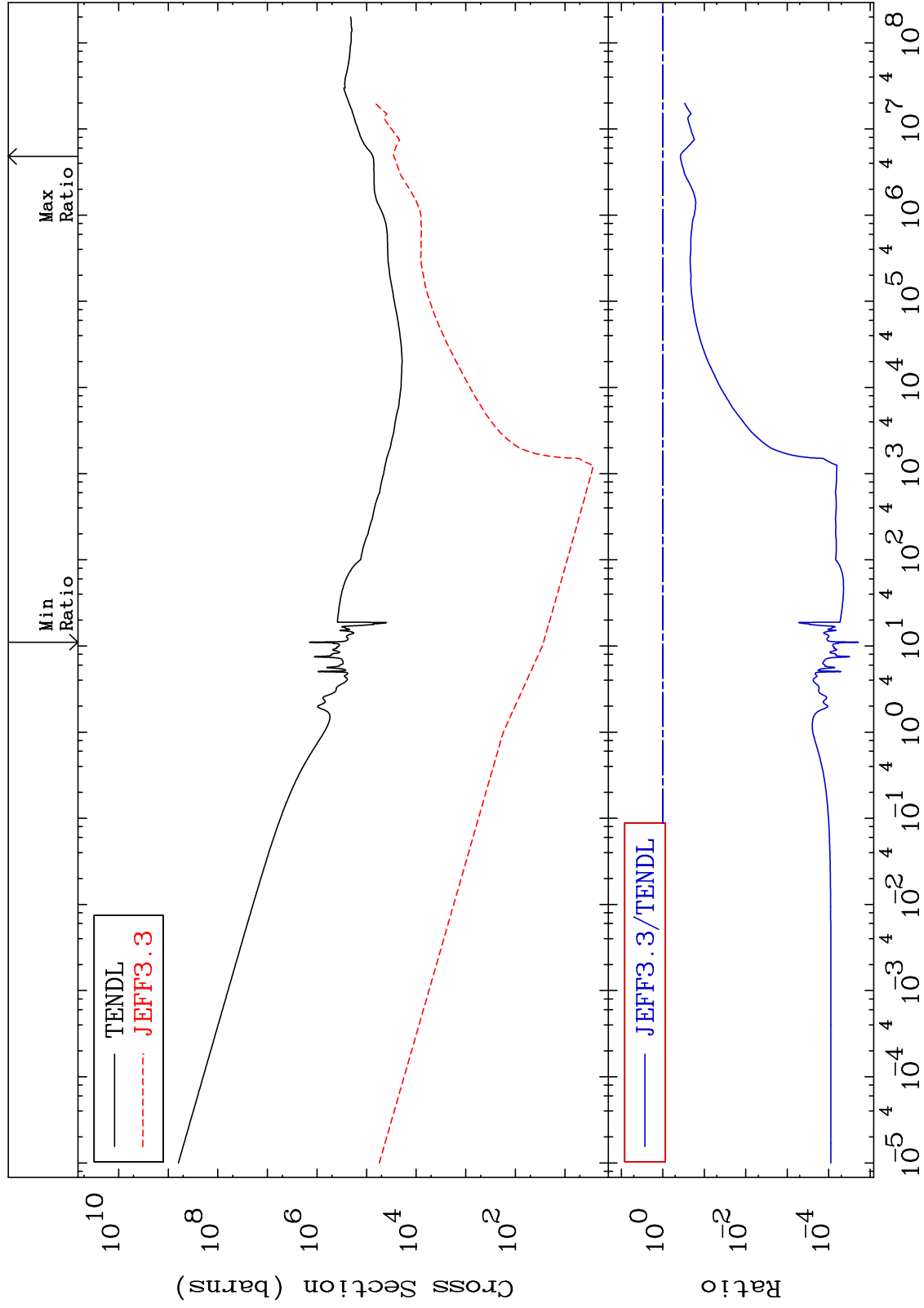
94-Pu-237
-28.26 To 1899. %



MAT 9431

Dpa total (eV-barns)
Cross Section

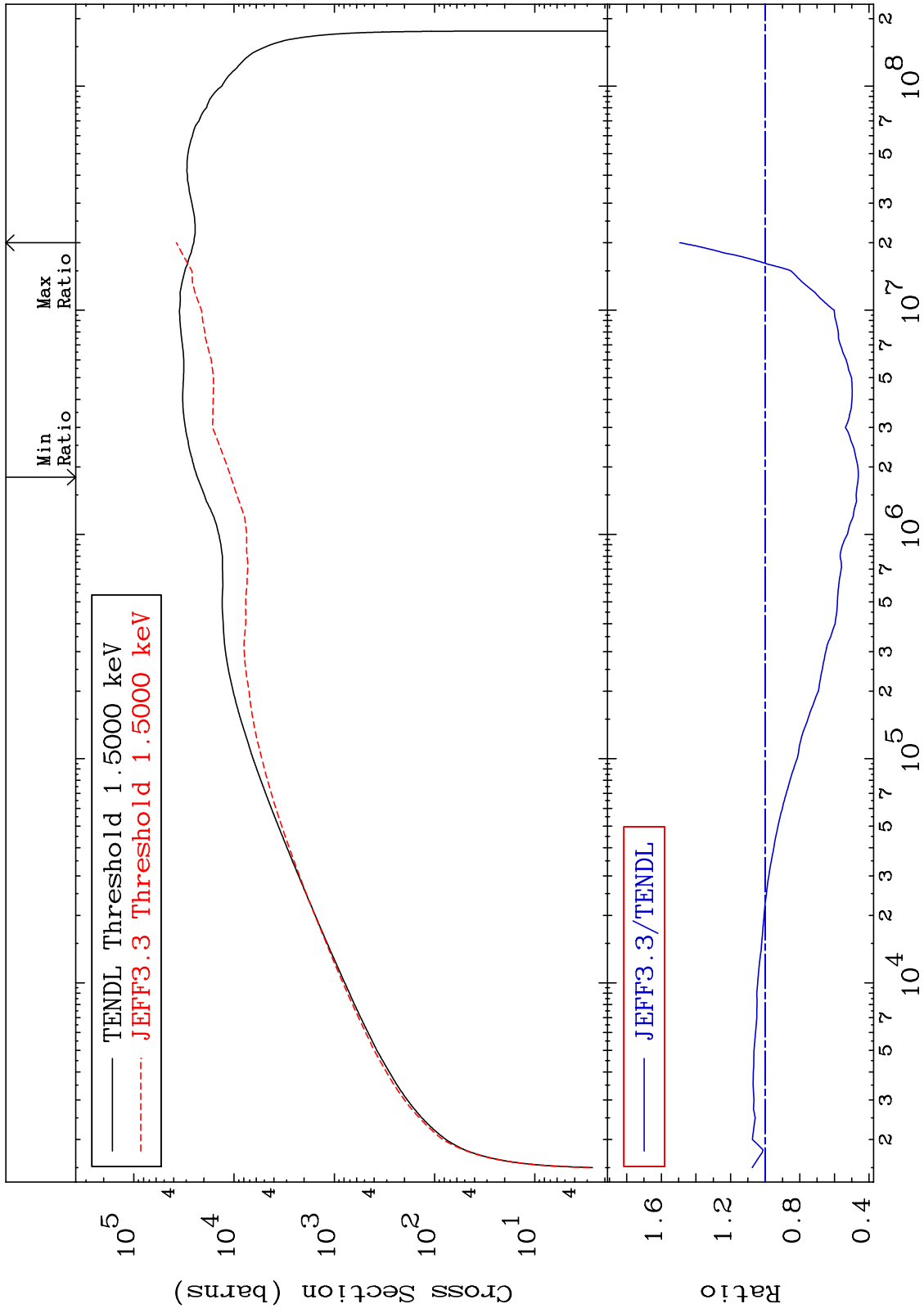
94-Pu-237
-100.0 To -62.53%



MAT 9431

Dpa elastic (mt2)
Cross Section

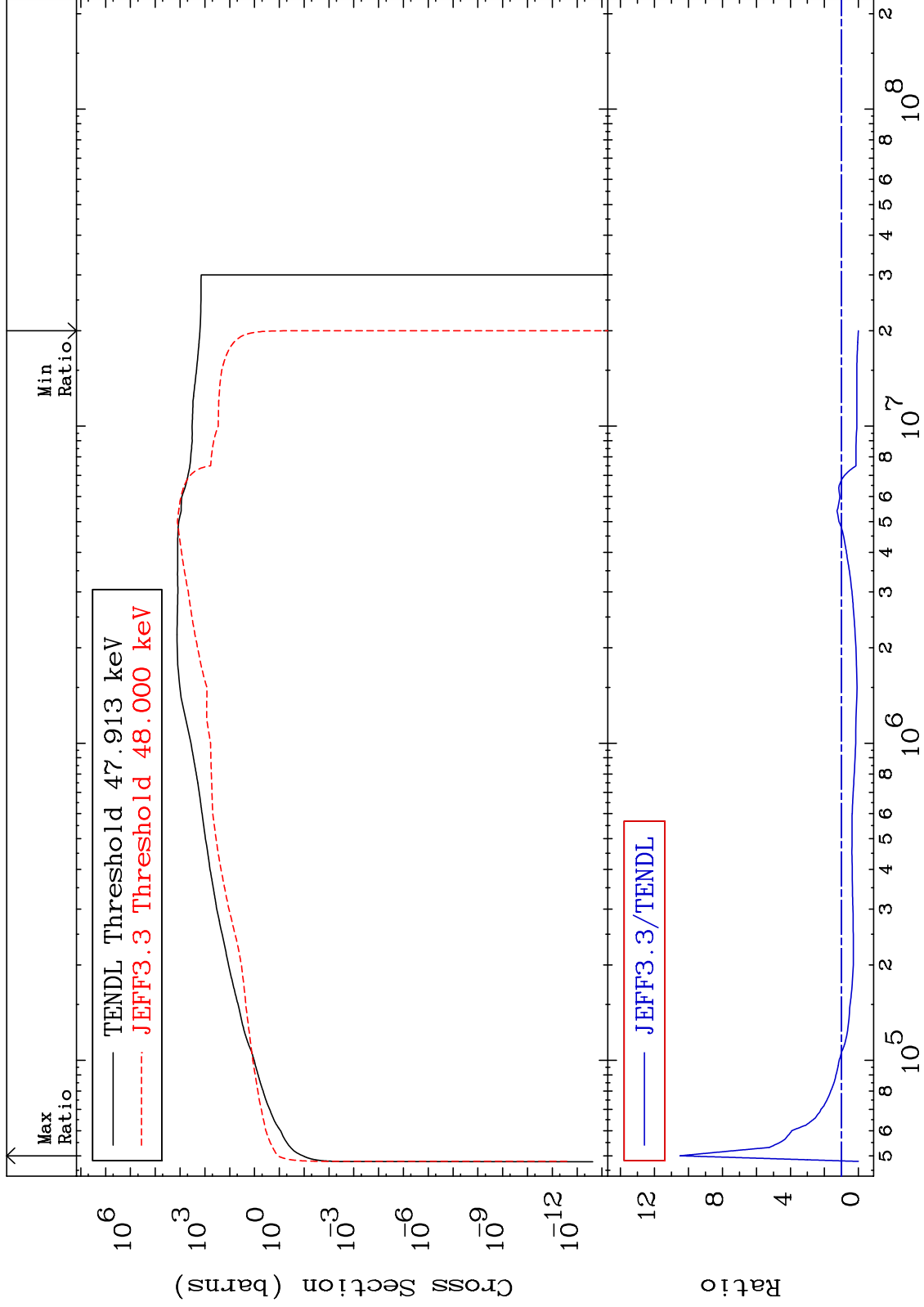
94-Pu-237
-53.82 To 49.32 %



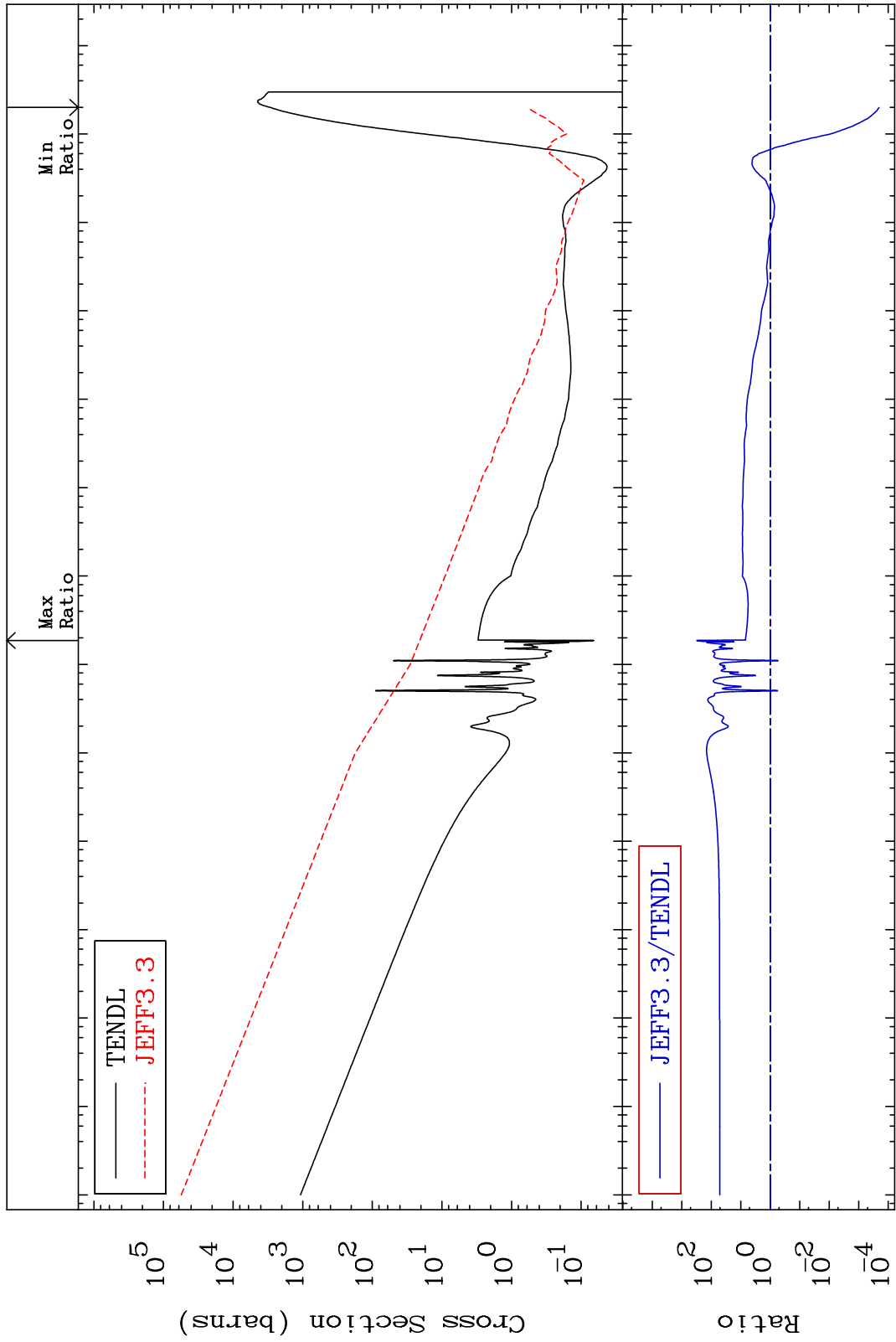
MAT 9431

Dpa inelastic (mt51-91)
Cross Section

94-Pu-237
-100.0 To 949.6 %



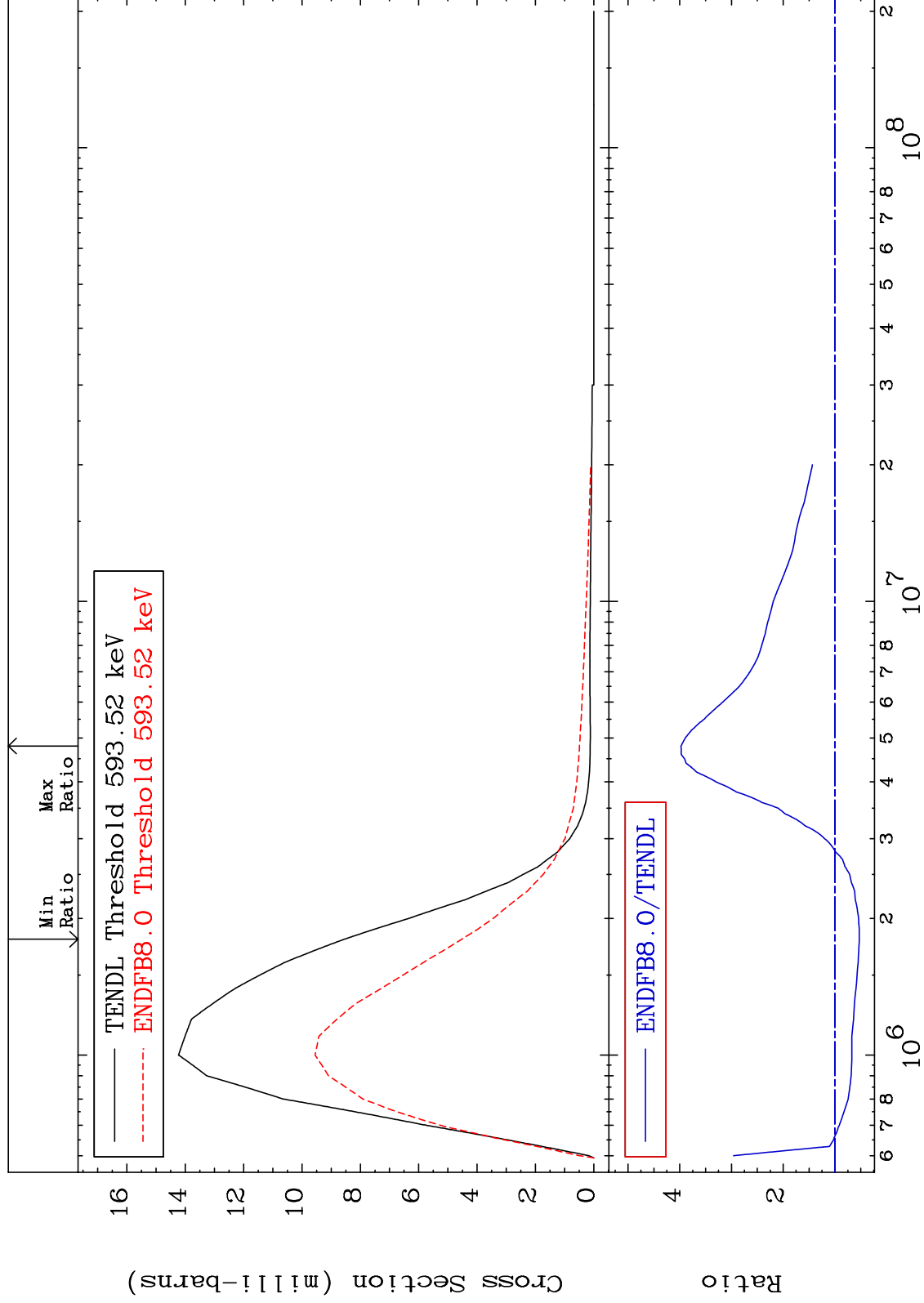
MAT 9431 Dpa disappearance (mt102 -120) 94-Pu-237
 Cross Section -99.98 To 9999. %



MAT 9431

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

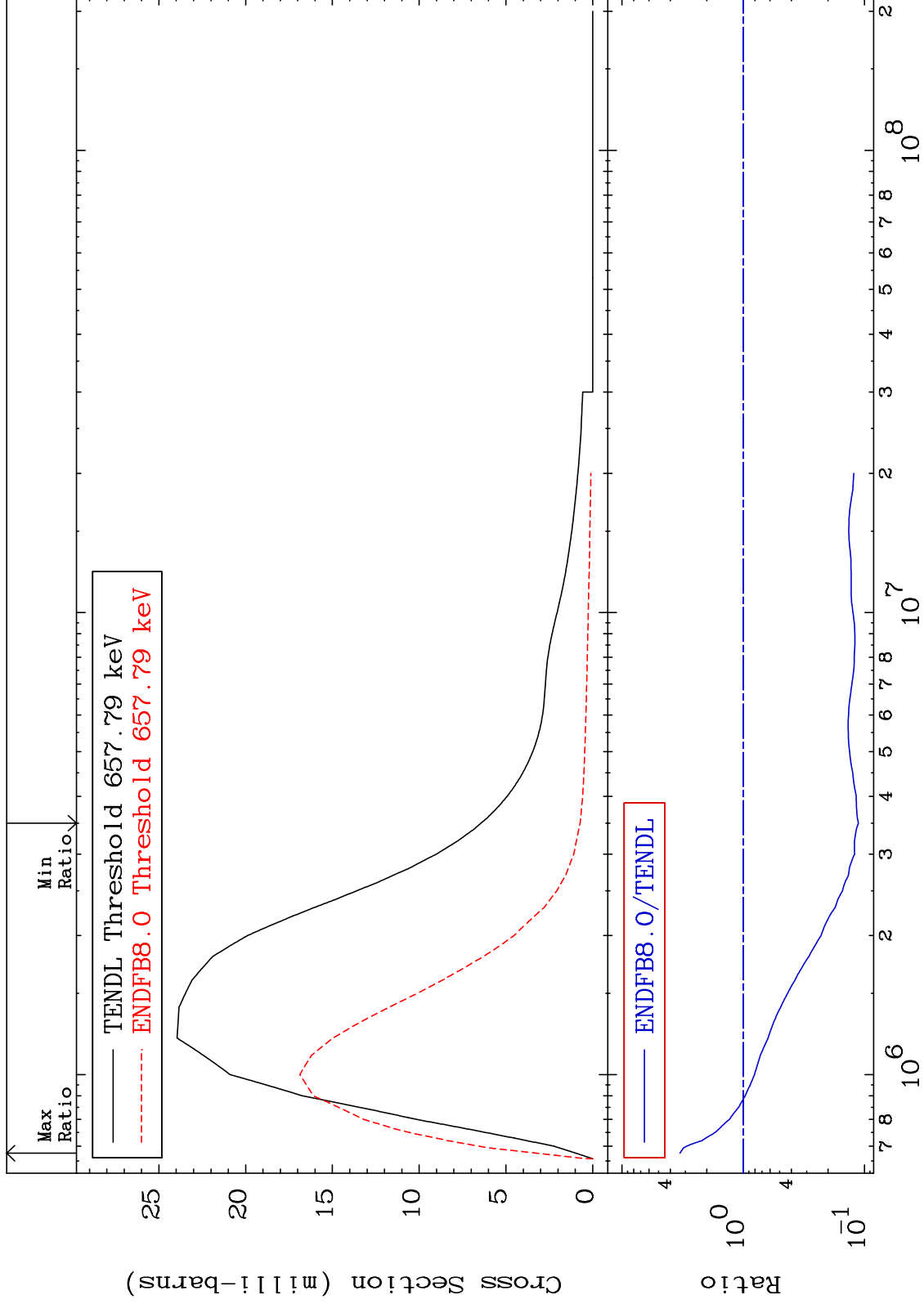
94-Pu-237
-47.12 To 297.5 %



MAT 9431

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

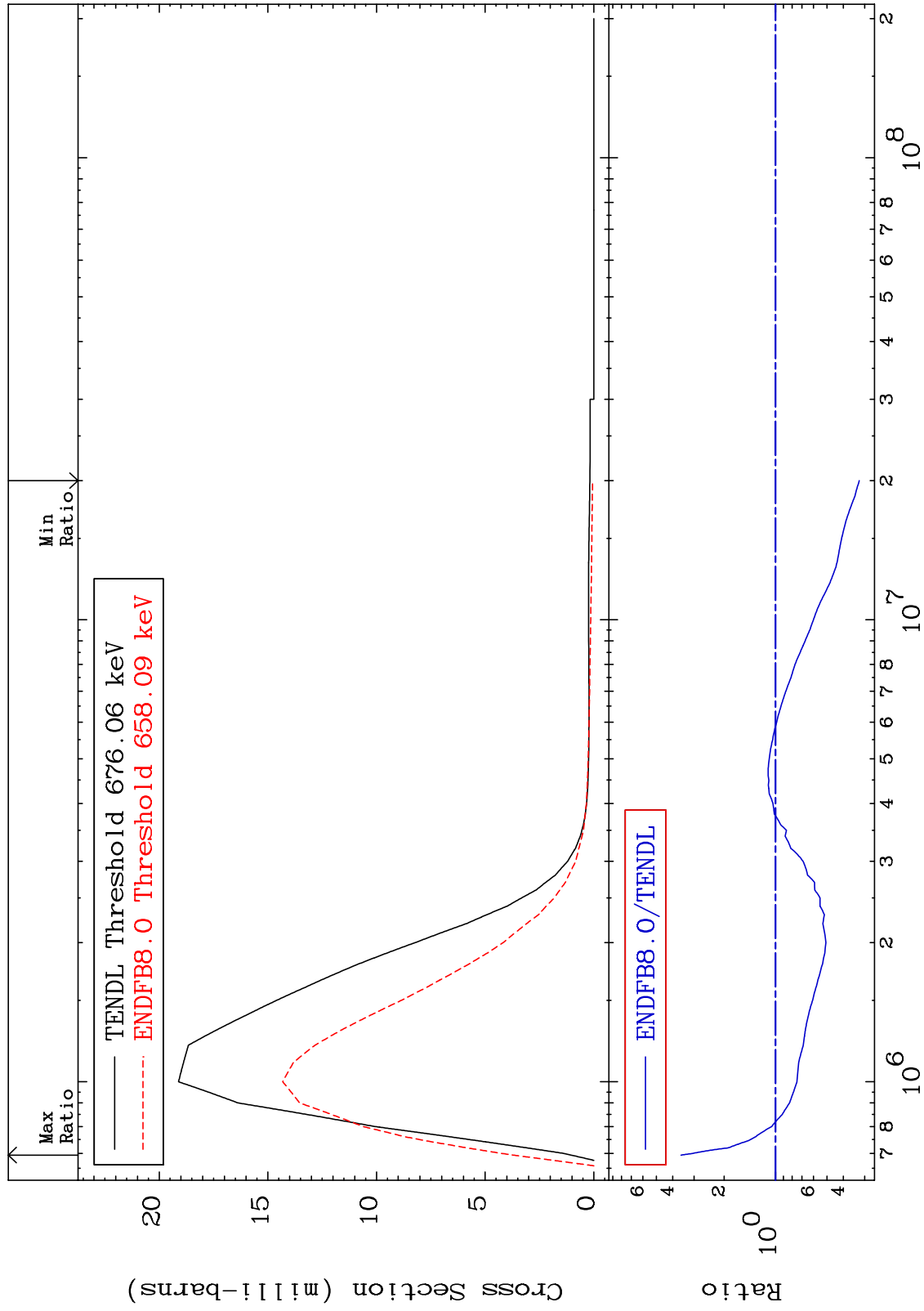
94-Pu-237
-88.79 To 232.2 %



MAT 9431

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

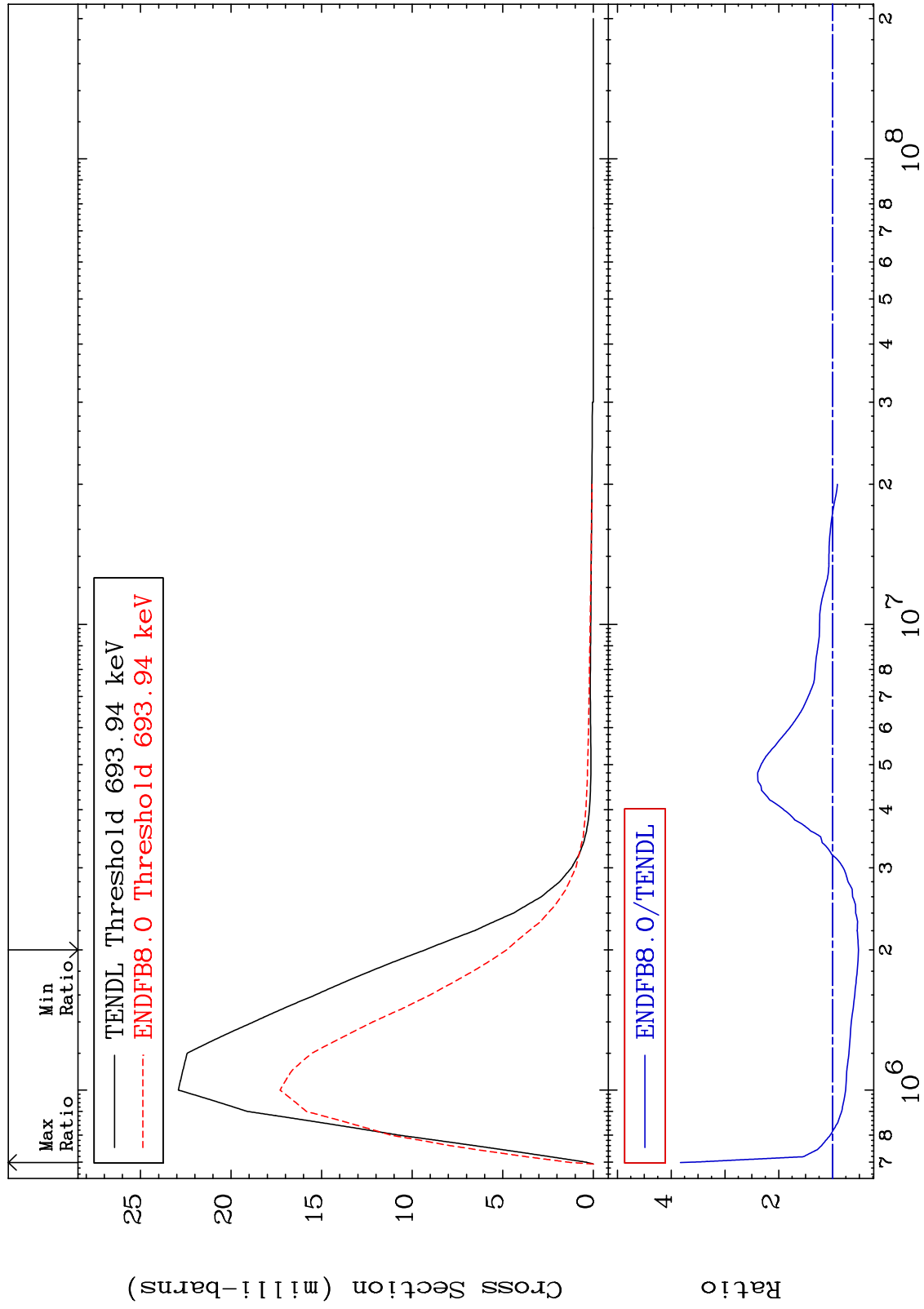
94-Pu-237
-67.71 To 257.9 %



MAT 9431

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

94-Pu-237
-48.43 To 282.7 %



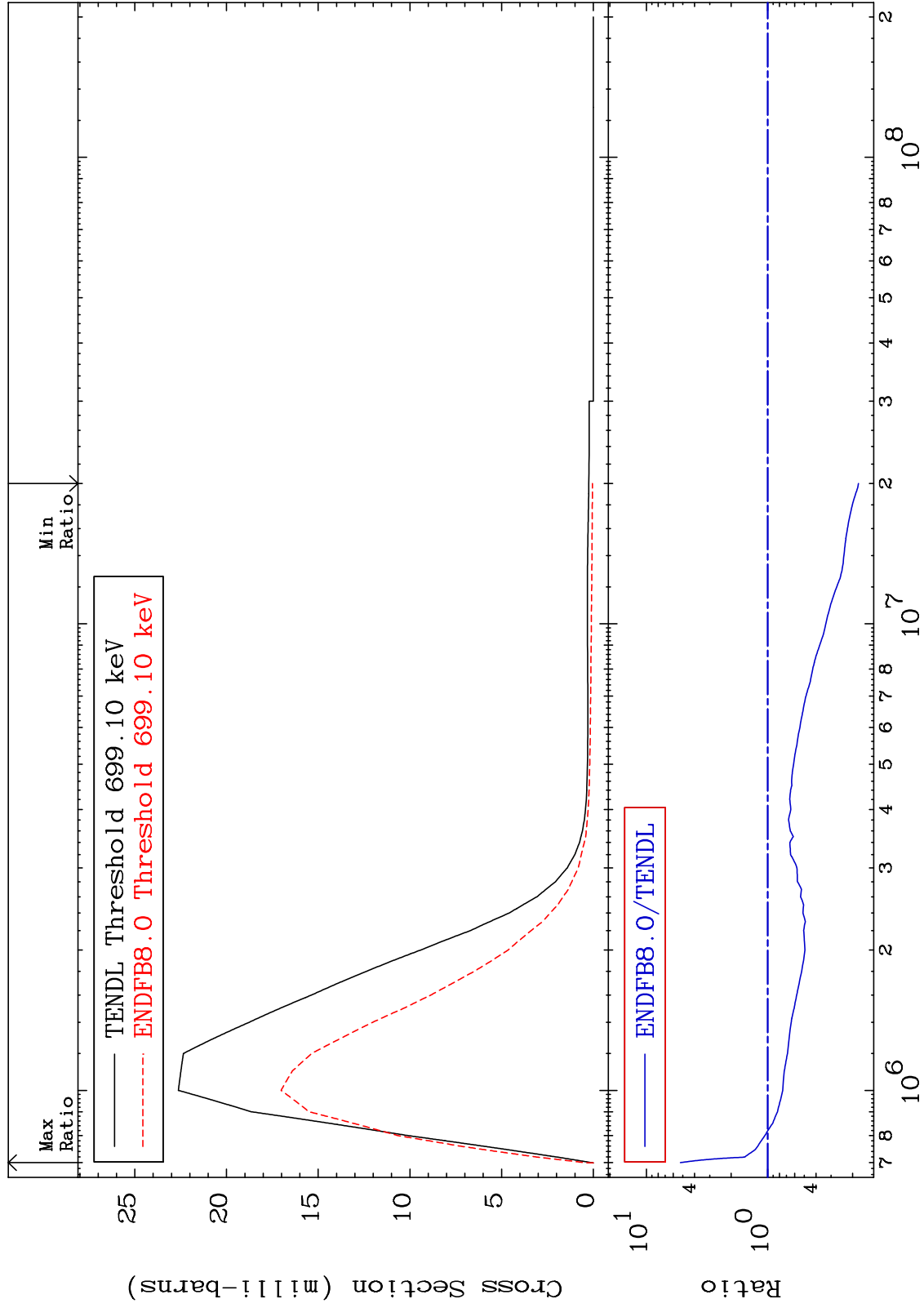
36

94-Pu-237

MAT 9431

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

94-Pu-237
-82.16 To 423.2 %



37

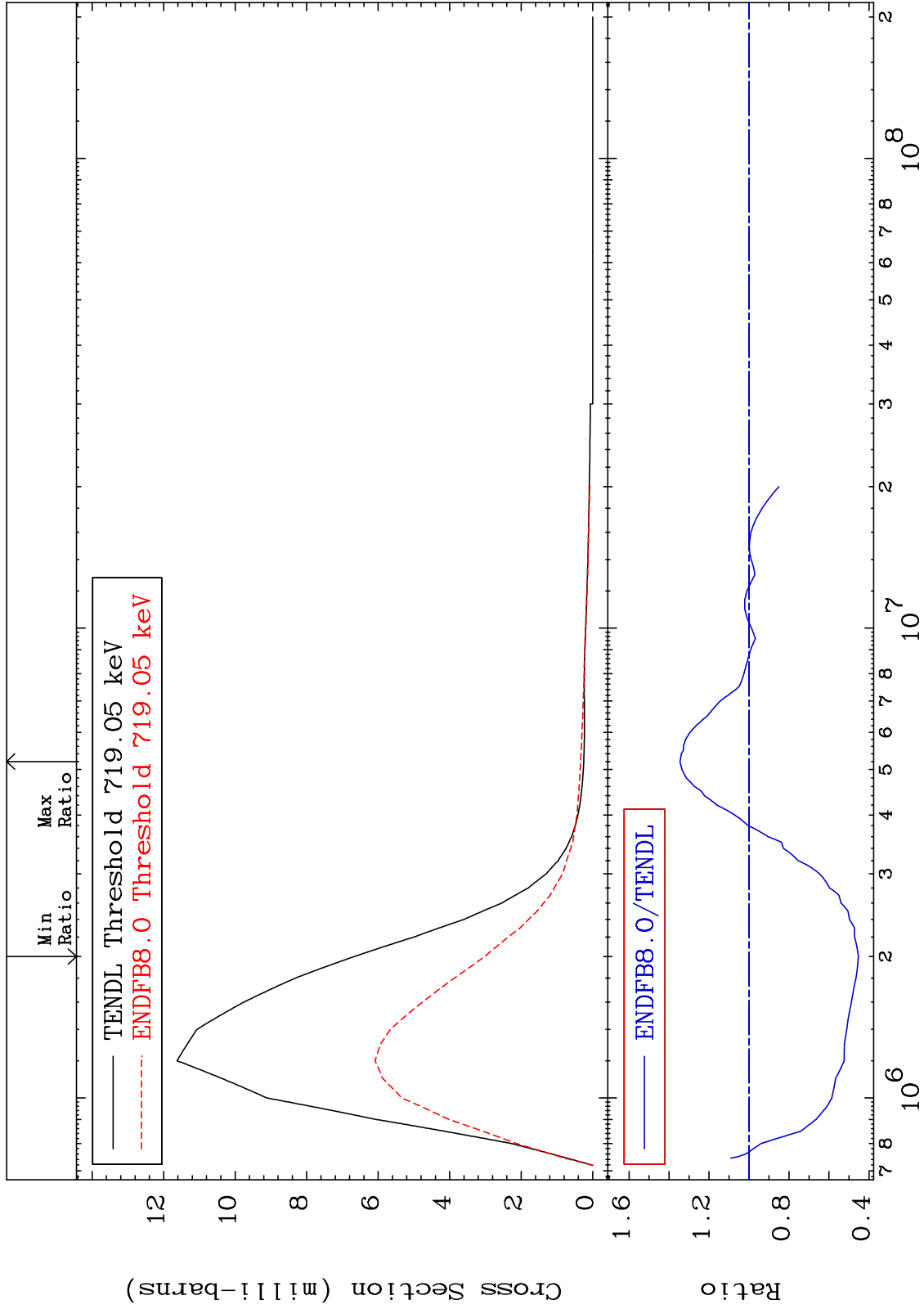
Incident Energy (eV)

94-Pu-237

MAT 9431

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

94-Pu-237
-54.72 To 34.51 %



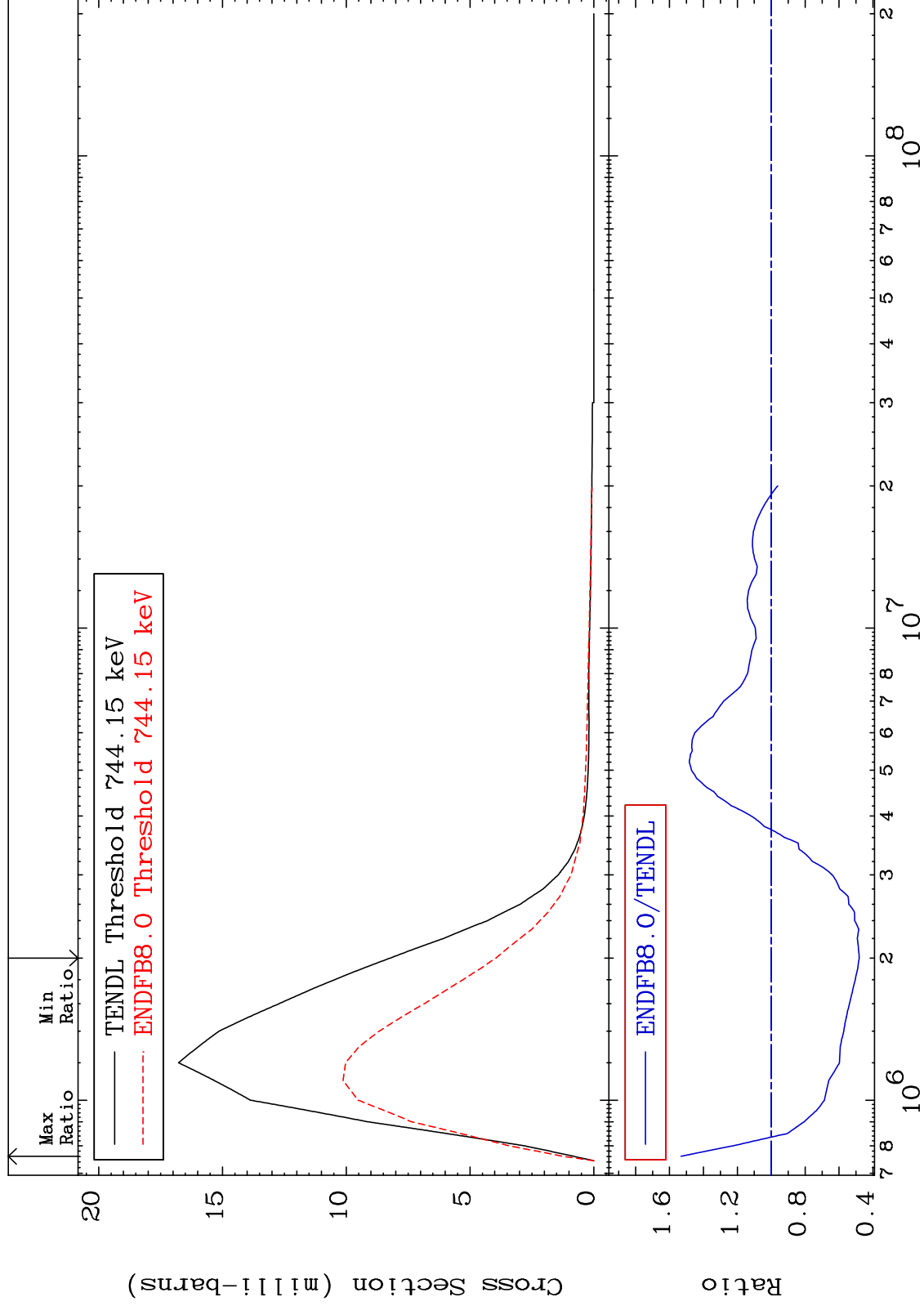
38

94-Pu-237

MAT 9431

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

94-Pu-237
-51.94 To 53.20 %



39

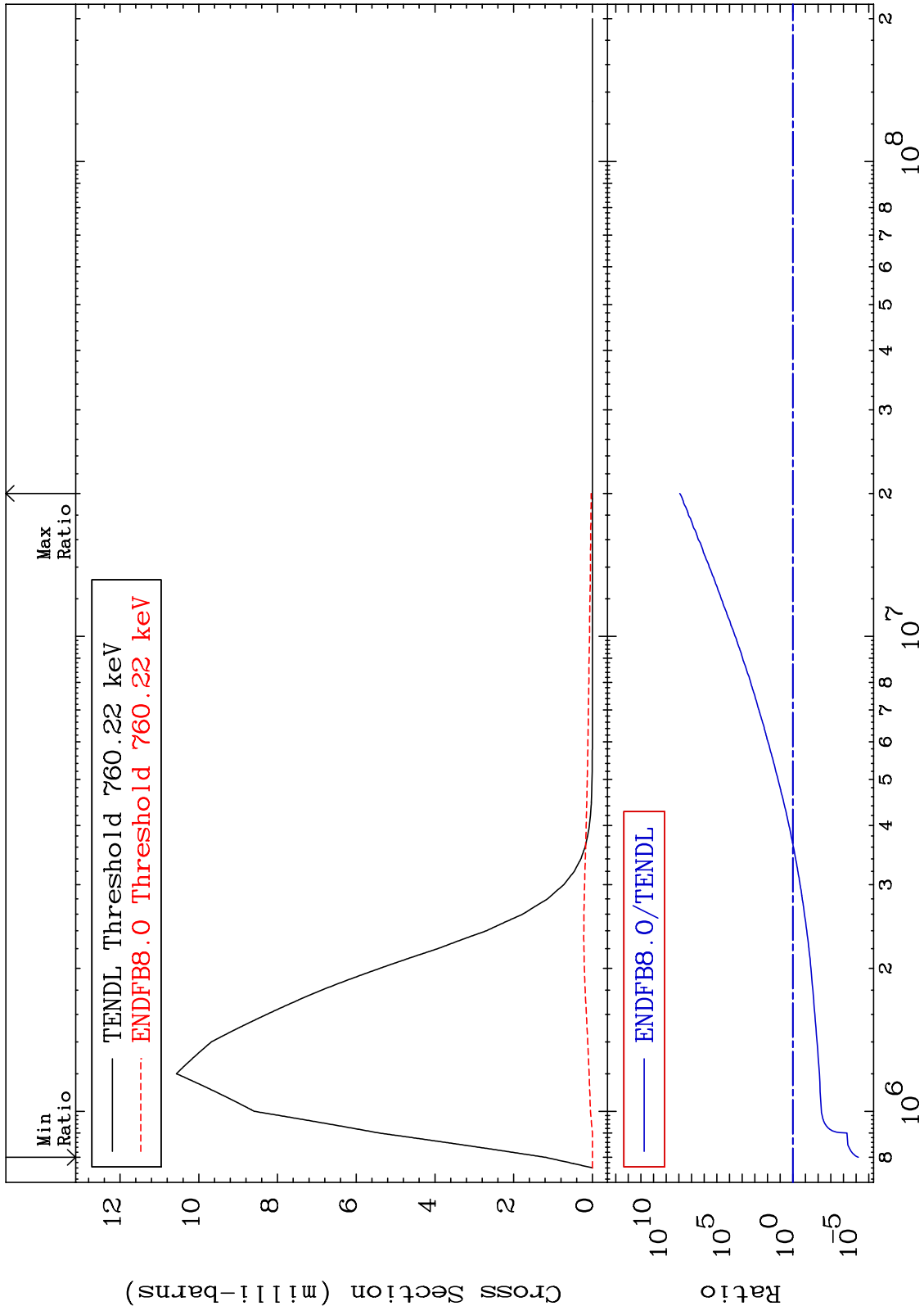
Incident Energy (eV)

94-Pu-237

MAT 9431

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

94-Pu-237
-100.0 To 9999. %



40

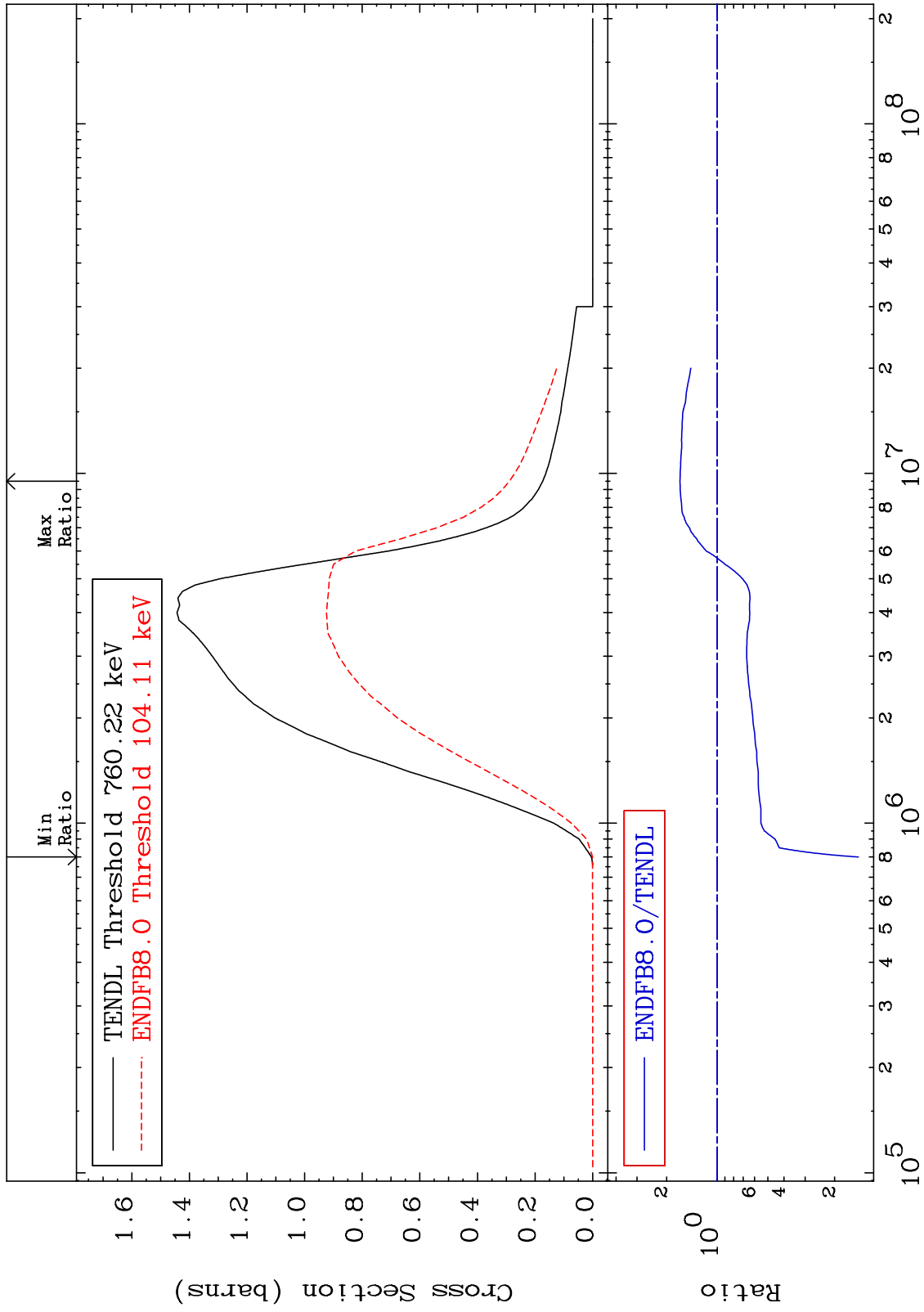
Incident Energy (eV)

94-Pu-237

MAT 9431

(n, n') Continuum
Cross Section

94-Pu-237
-85.56 To 66.49 %



41

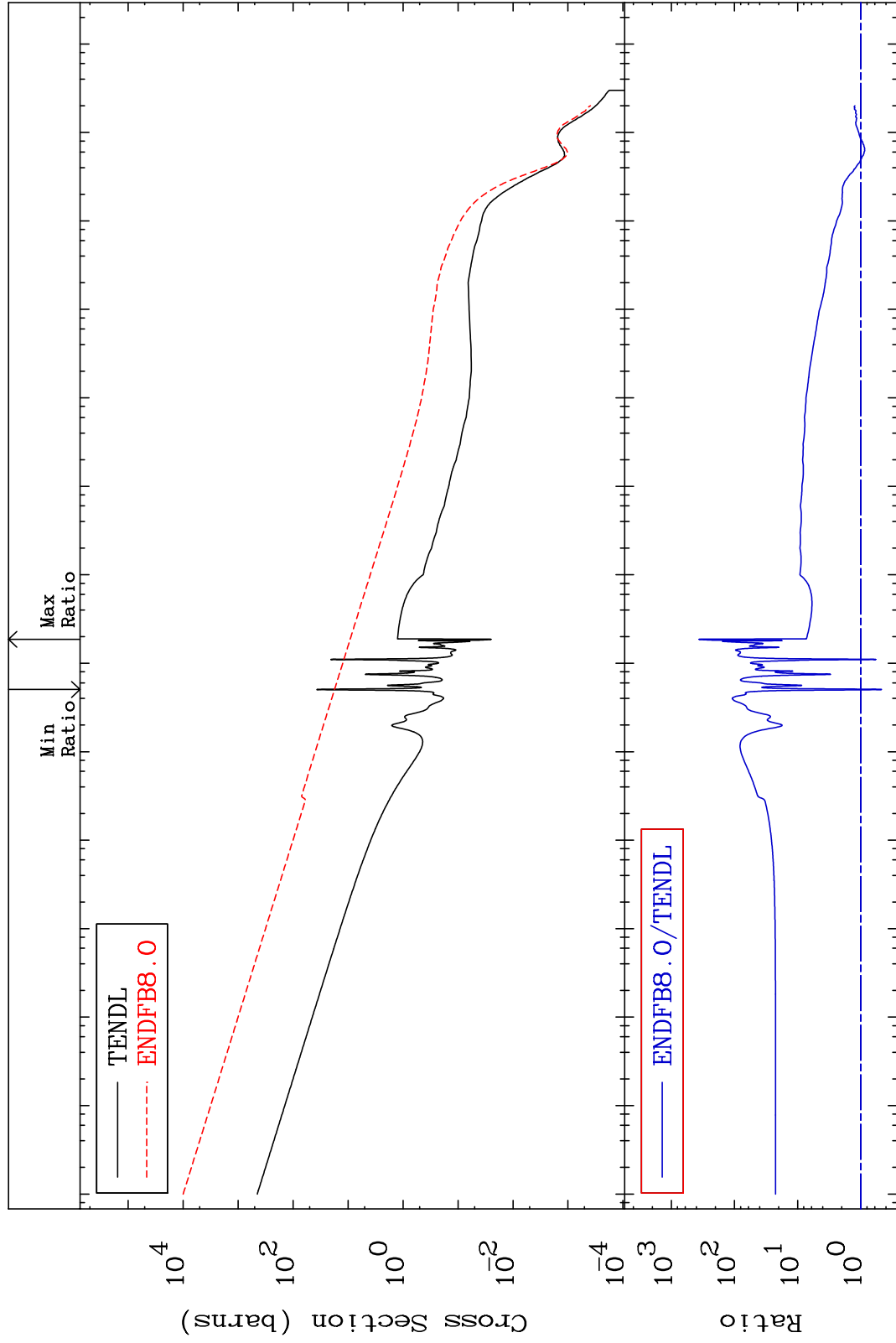
94-Pu-237

94-Pu-237

MAT 9431

(n, γ)
Cross Section

94-Pu-237
-53.15 To 9999. %



42

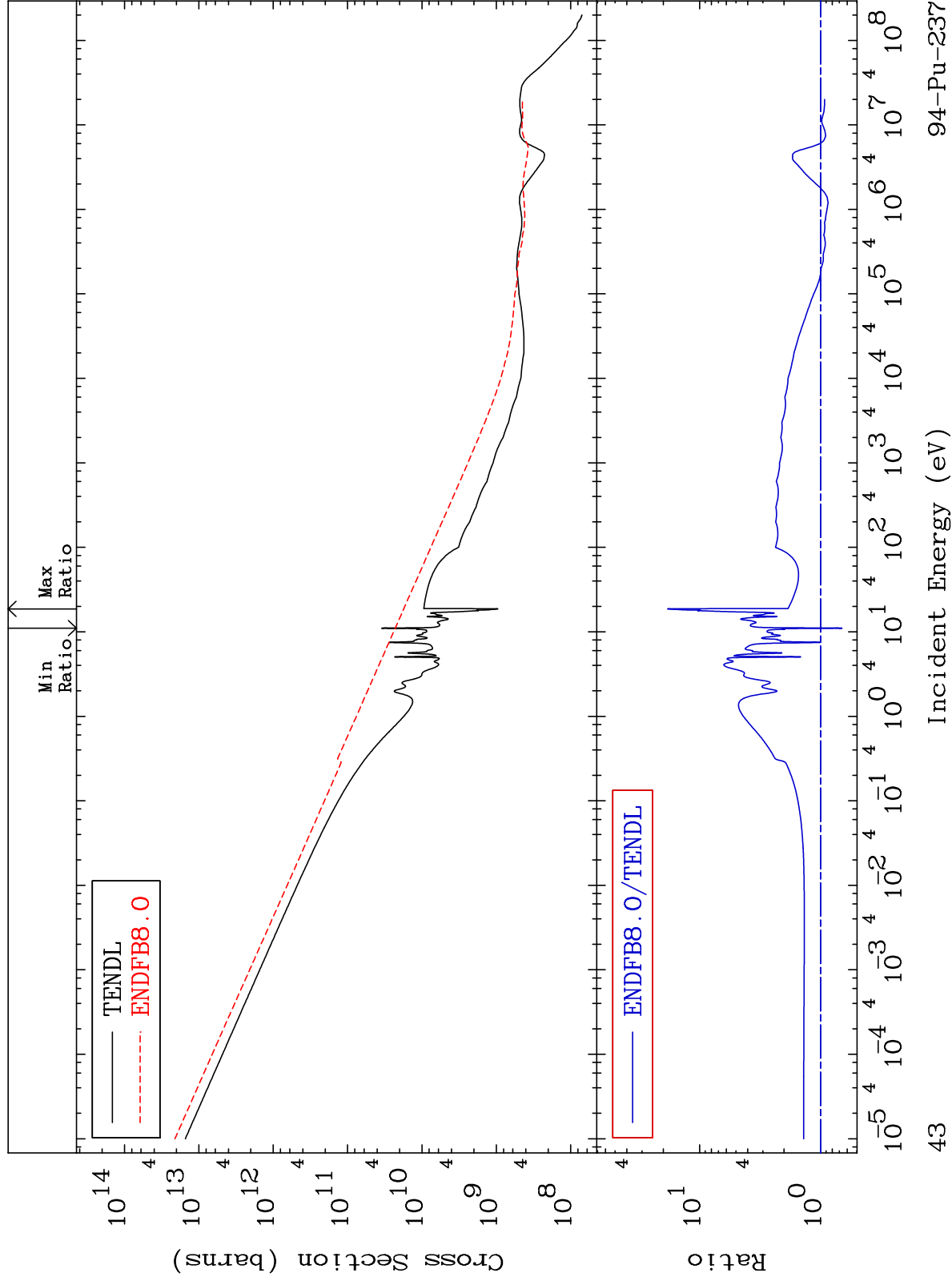
Incident Energy (eV)

94-Pu-237

MAT 9431

Kerma total (eV-barns)
Cross Section

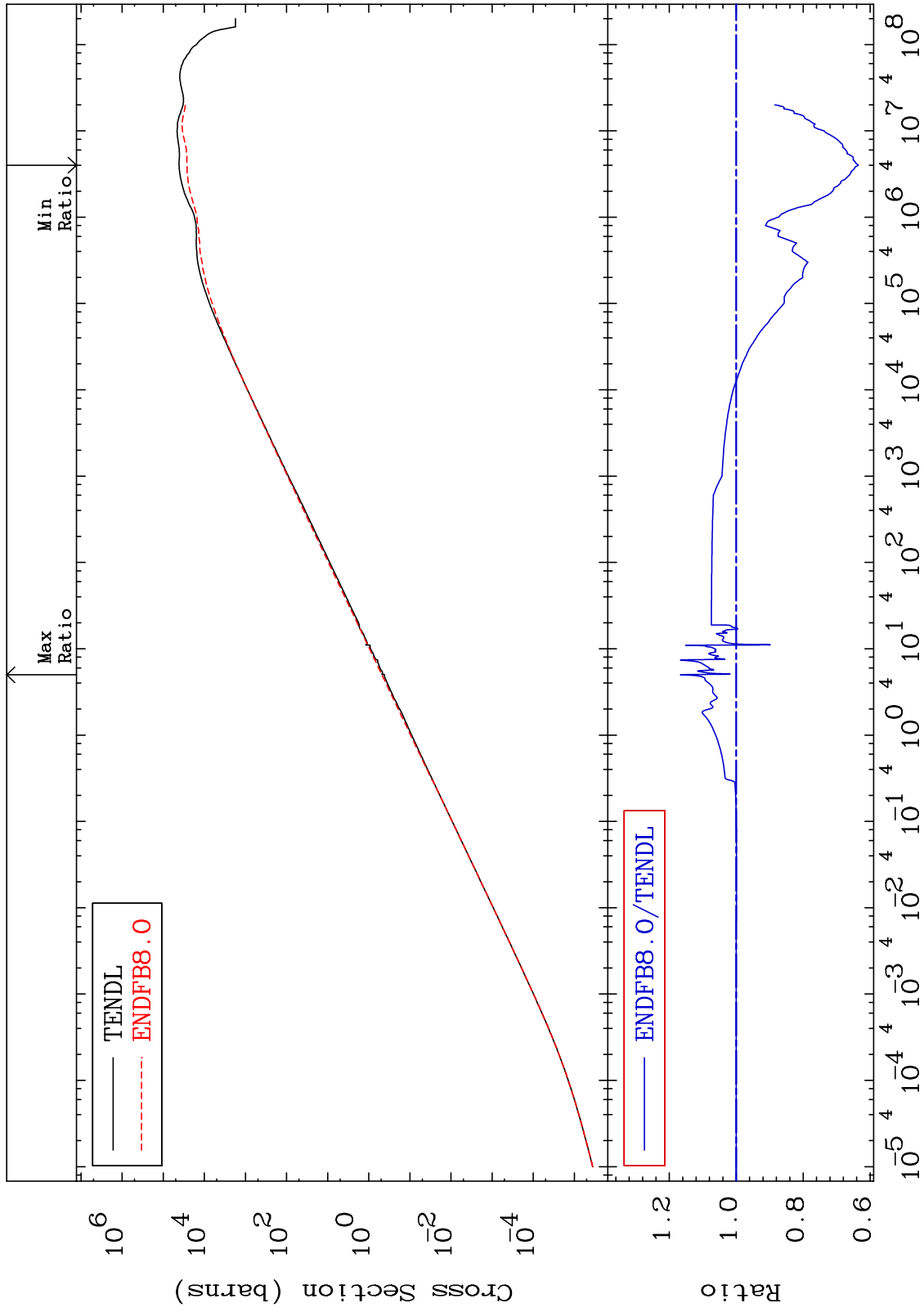
94-Pu-237
-33.79 To 1745. %



MAT 9431

Kerma elastic
Cross Section

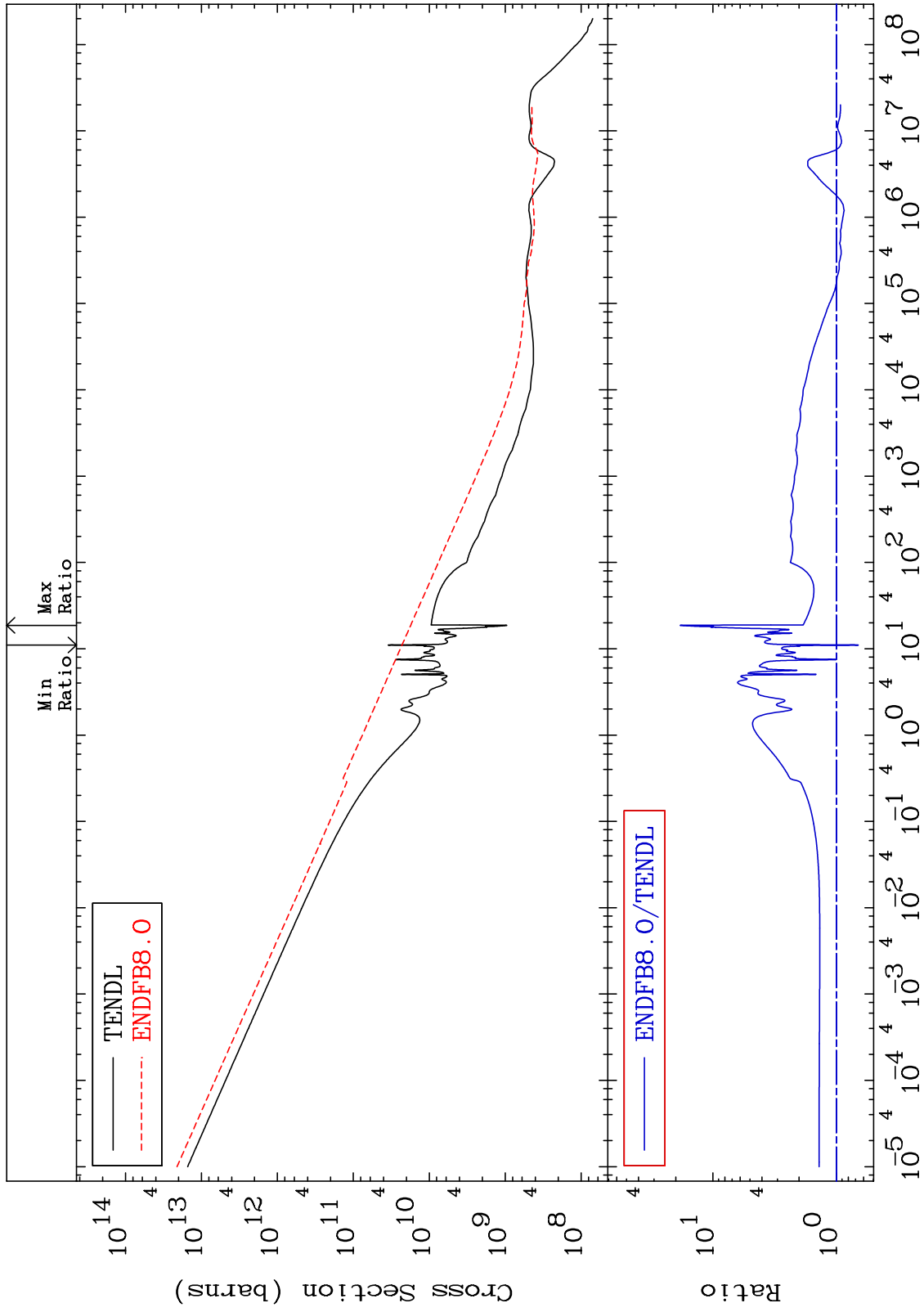
94-Pu-237
-36.52 To 16.81 %



MAT 9431

Kerma non-elastic (all but mt2)
Cross Section

94-Pu-237
-33.79 To 1745. %



45

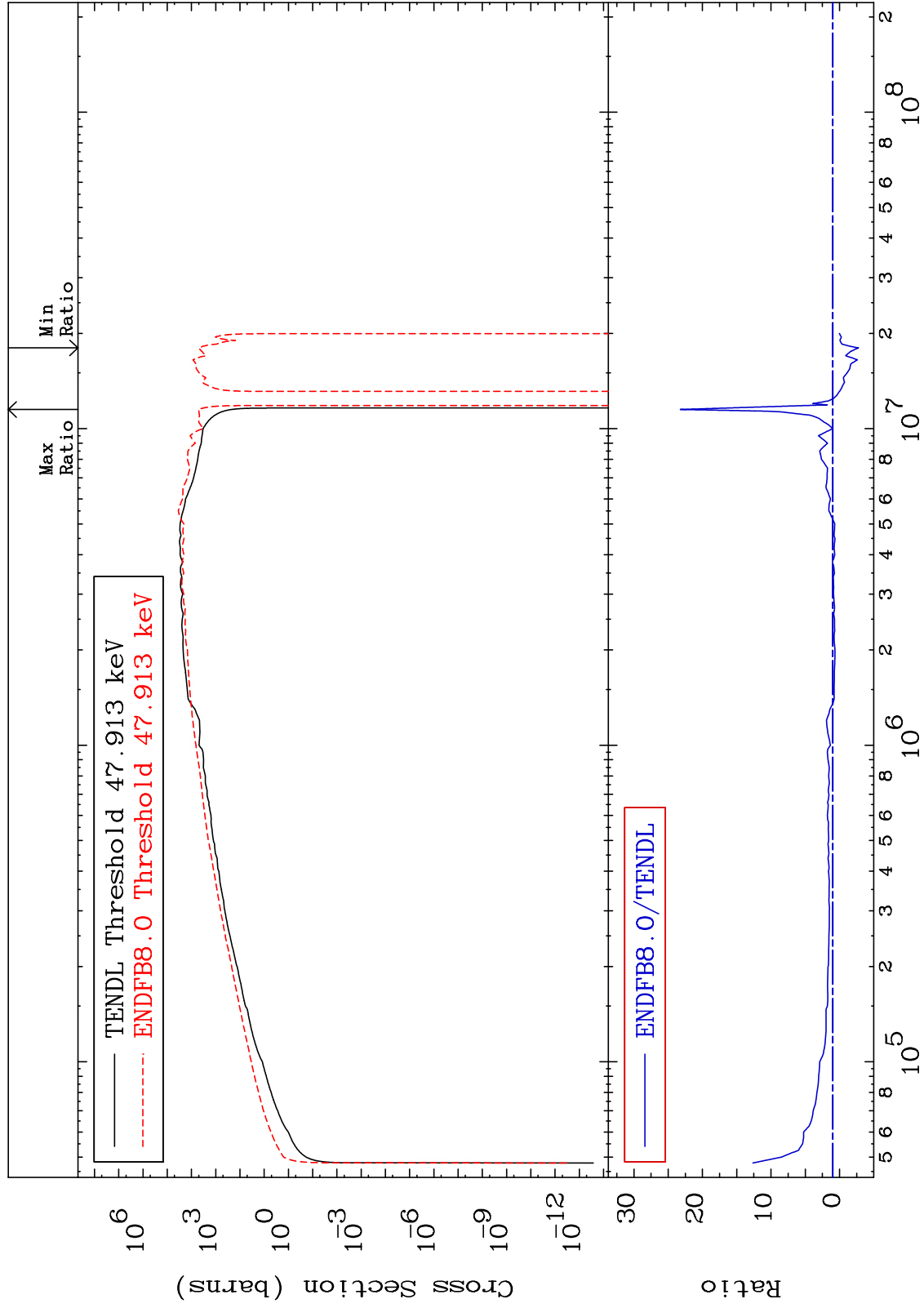
Incident Energy (eV)

94-Pu-237

MAT 9431

Kerma inelastic (mt51-91)
Cross Section

94-Pu-237
-376.9 To 2221. %



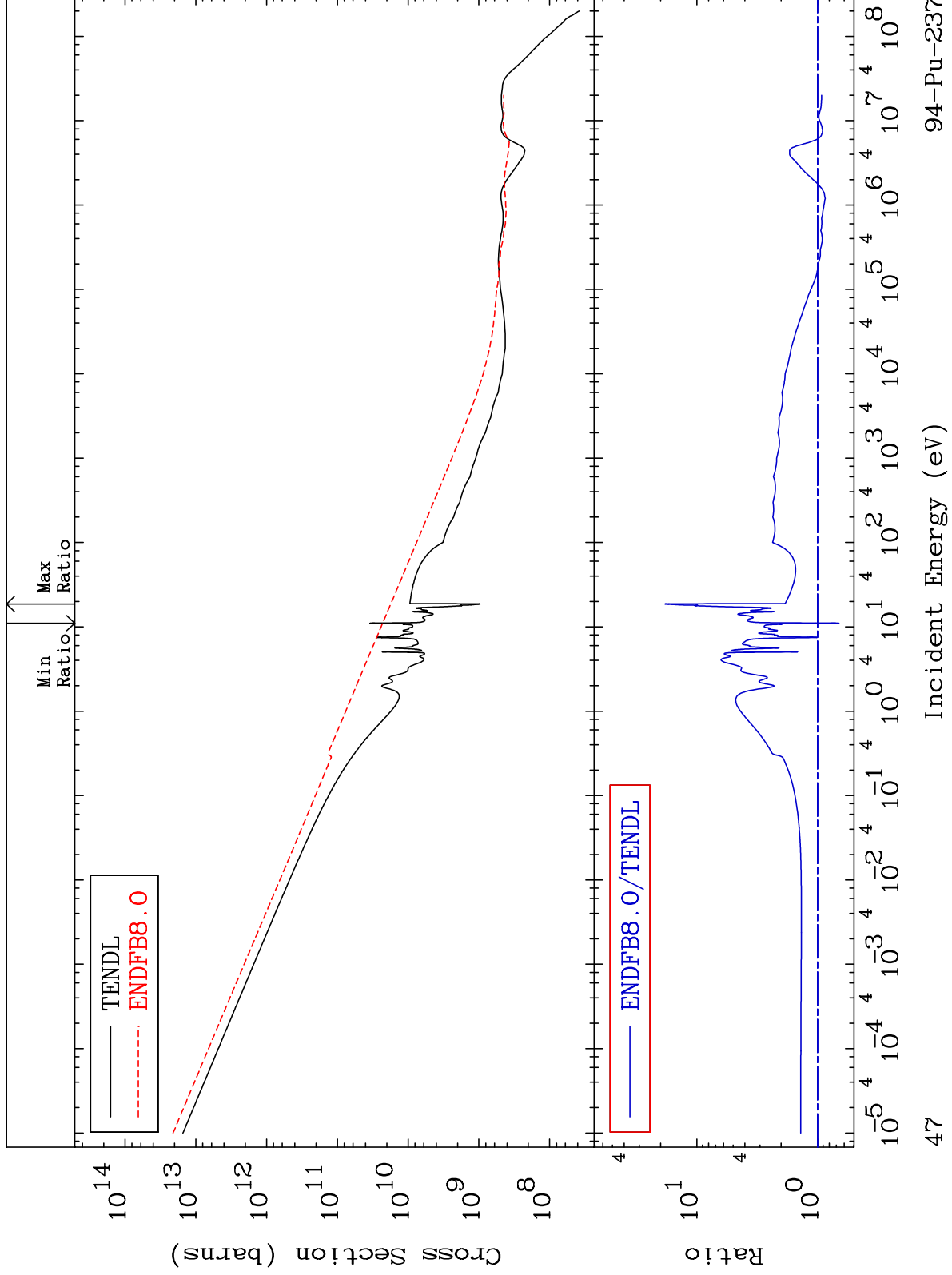
MAT 9431

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

94-Pu-237

-33.79 To 1745. %

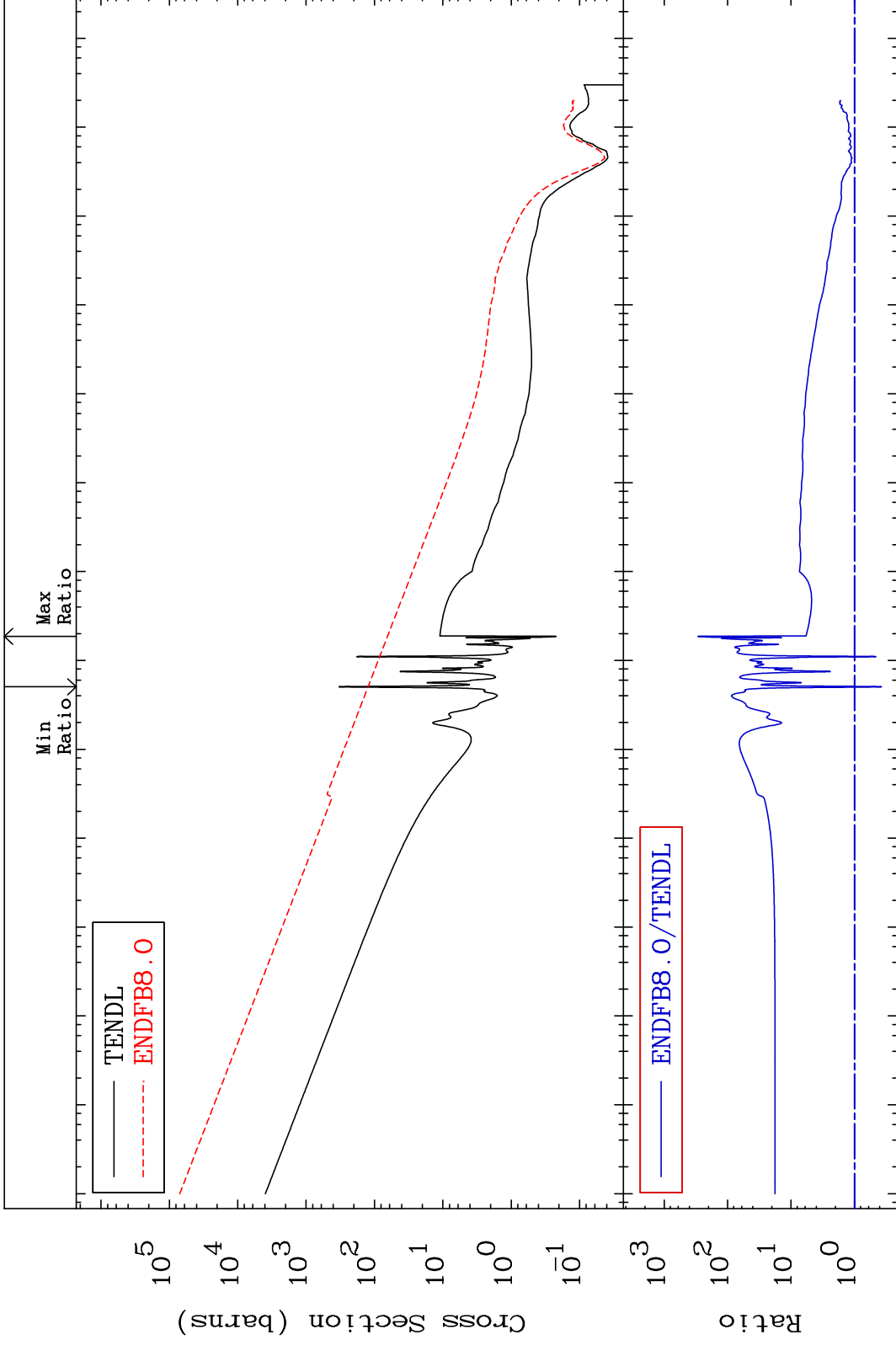
Cross Section



MAT 9431

Kerma capture (mt102)
Cross Section

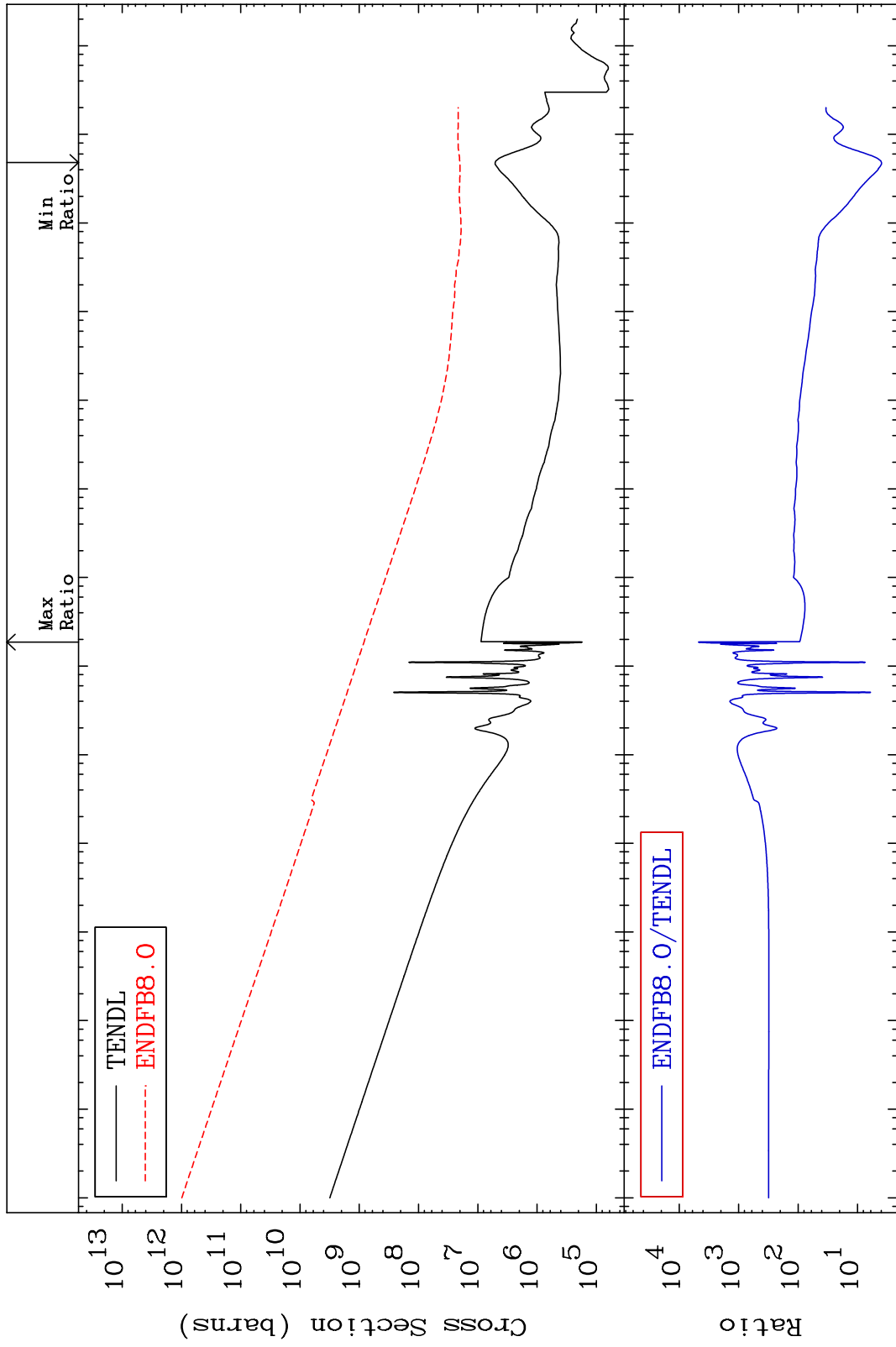
94-Pu-237
-62.47 To 9999. %



MAT 9431

Total photon (eV-barns)
Cross Section

94-Pu-237
294.8 To 9999. %



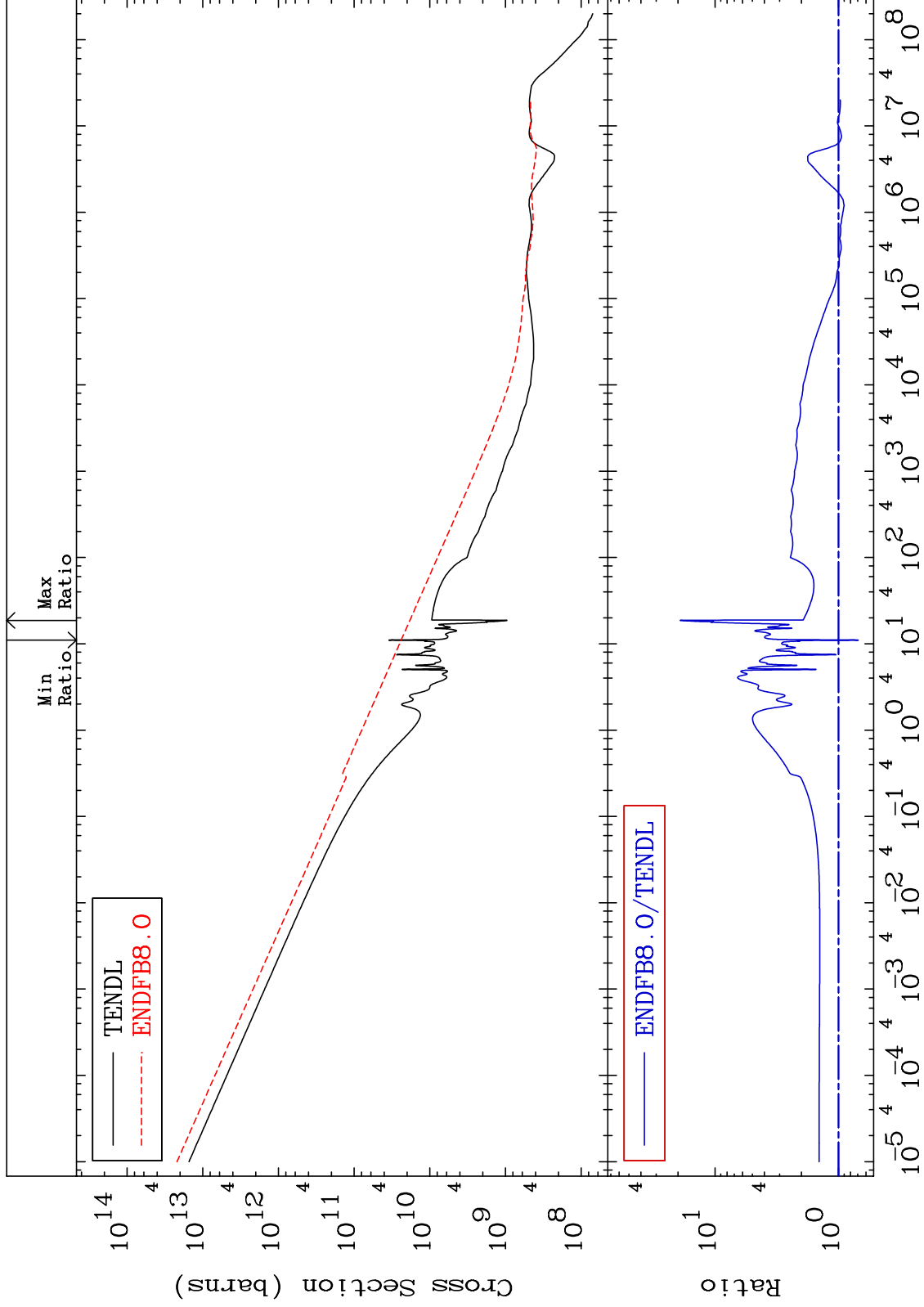
Incident Energy (eV)

94-Pu-237

MAT 9431

Total kinematic kerma (high limit)
Cross Section

94-Pu-237
-30.89 To 1826. %



50

Incident Energy (eV)

94-Pu-237

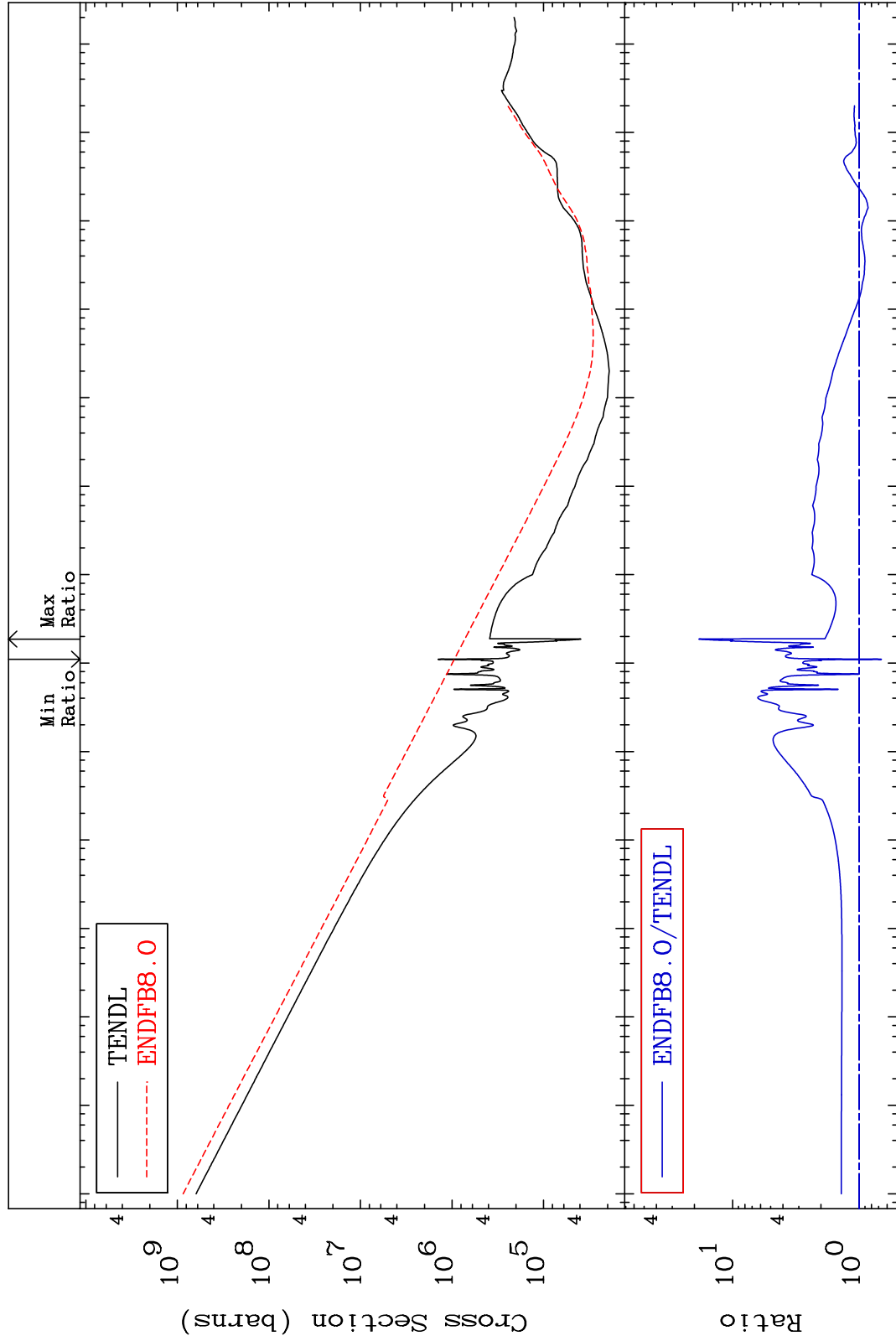
MAT 9431

Dpa total (eV-barns)

94-Pu-237

-33.54 To 1752. %

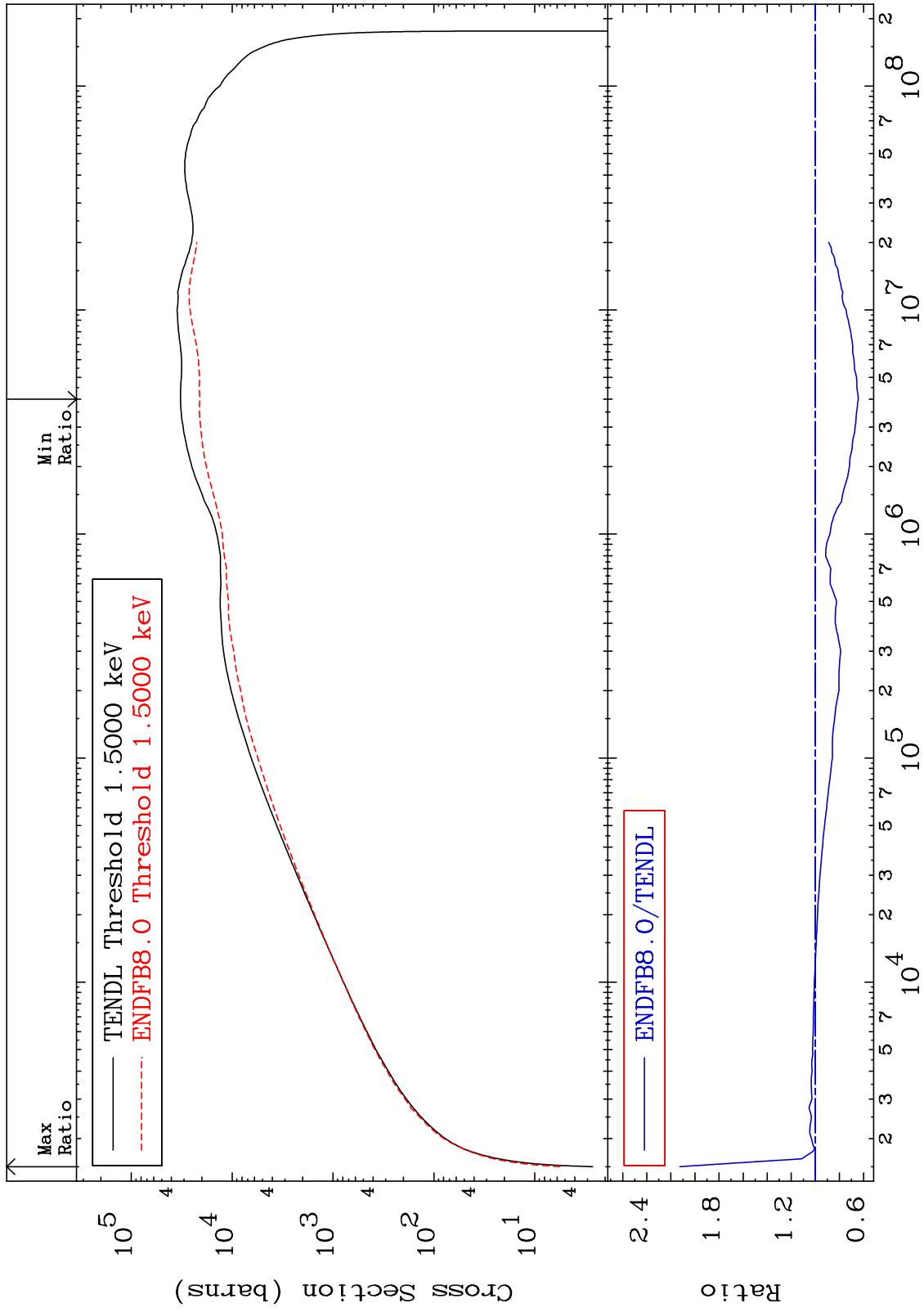
Cross Section



MAT 9431

Dpa elastic (mt2)
Cross Section

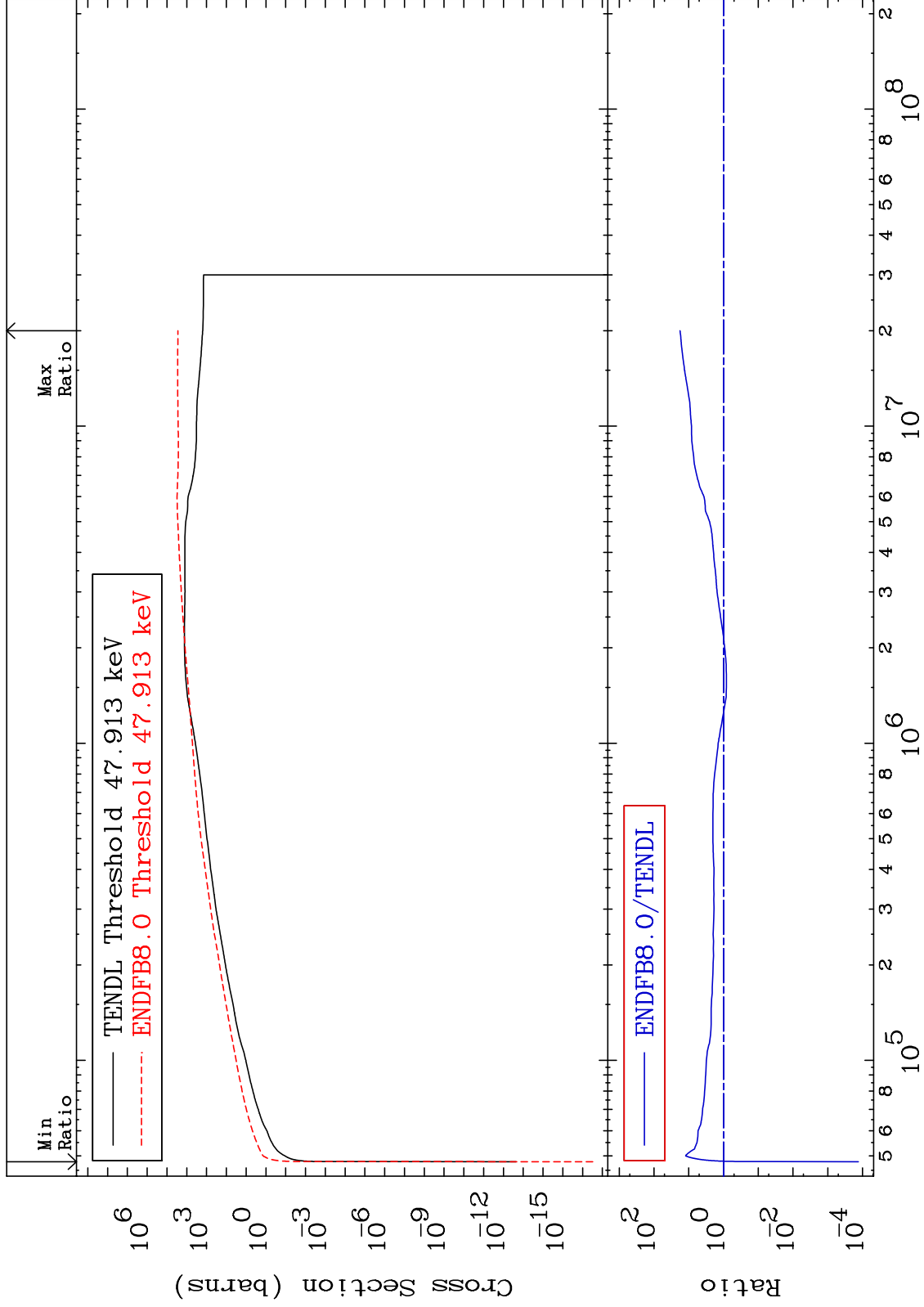
94-Pu-237
-35.77 To 112.4 %



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. %

