

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

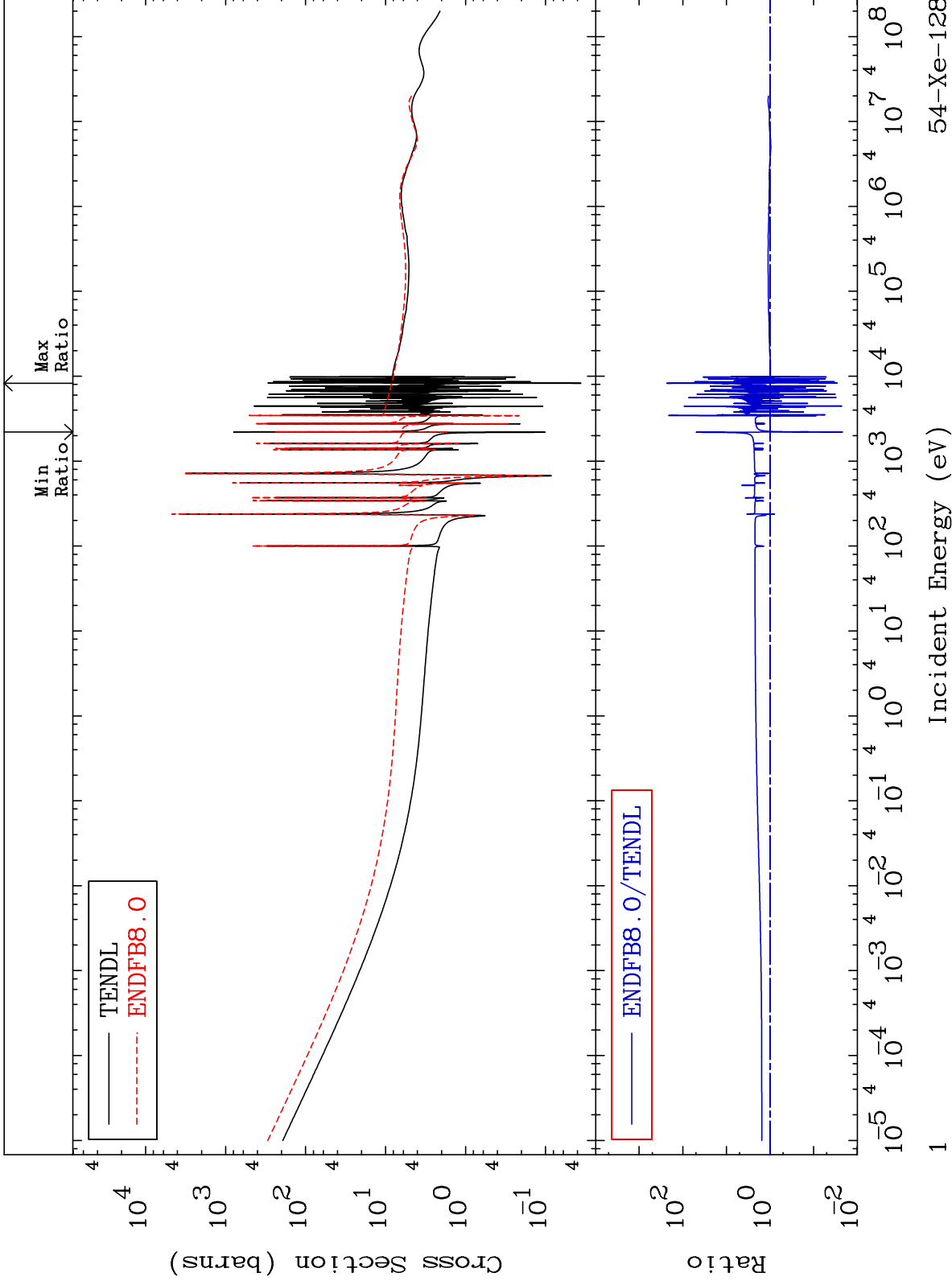
MAT 5437

Total

54-Xe-128

Cross Section

-97.82 To 9999. %



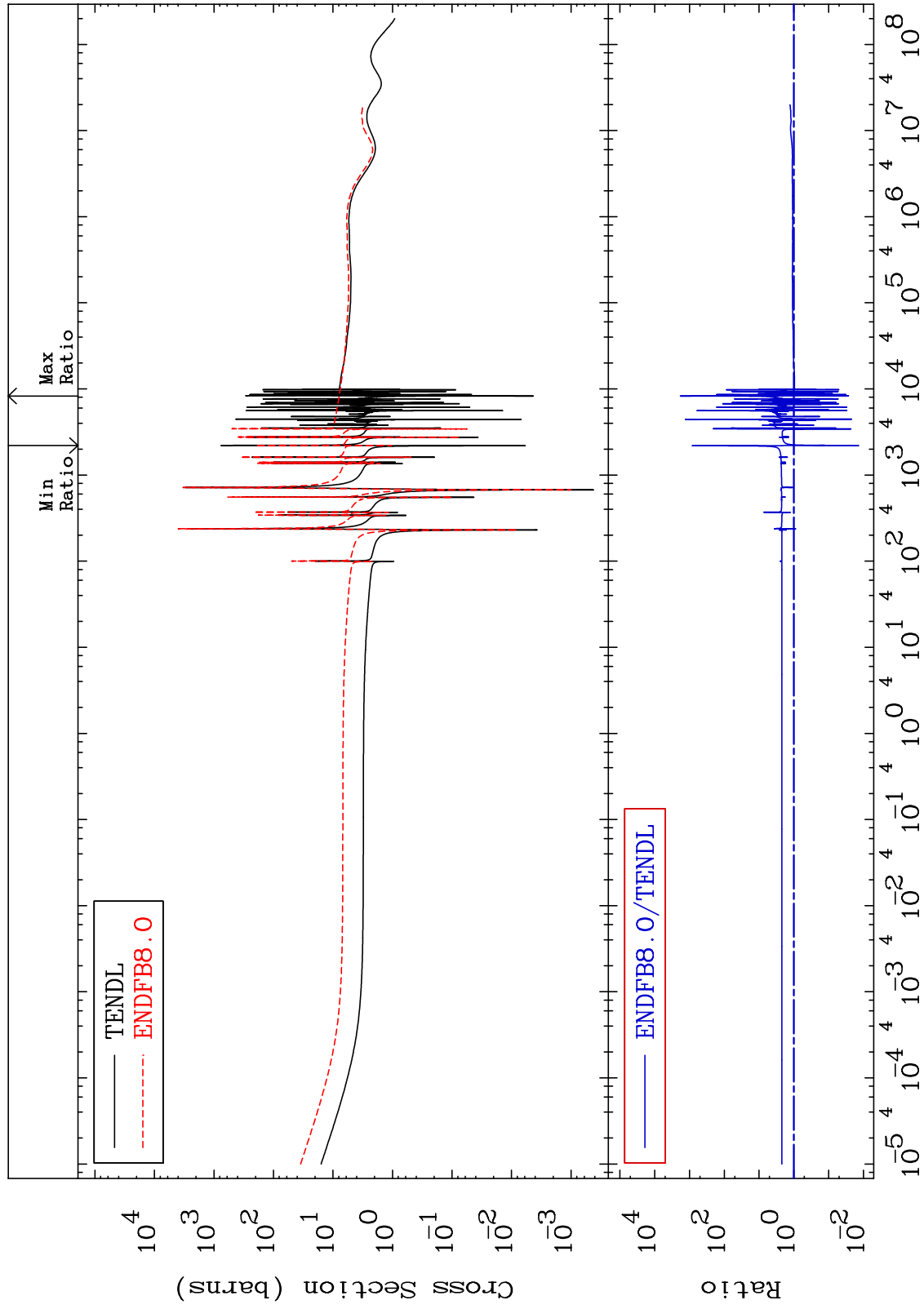
Incident Energy (eV)

54-Xe-128

MAT 5437

Elastic
Cross Section

54-Xe-128
-98.62 To 9999. %



2

Incident Energy (eV)

54-Xe-128

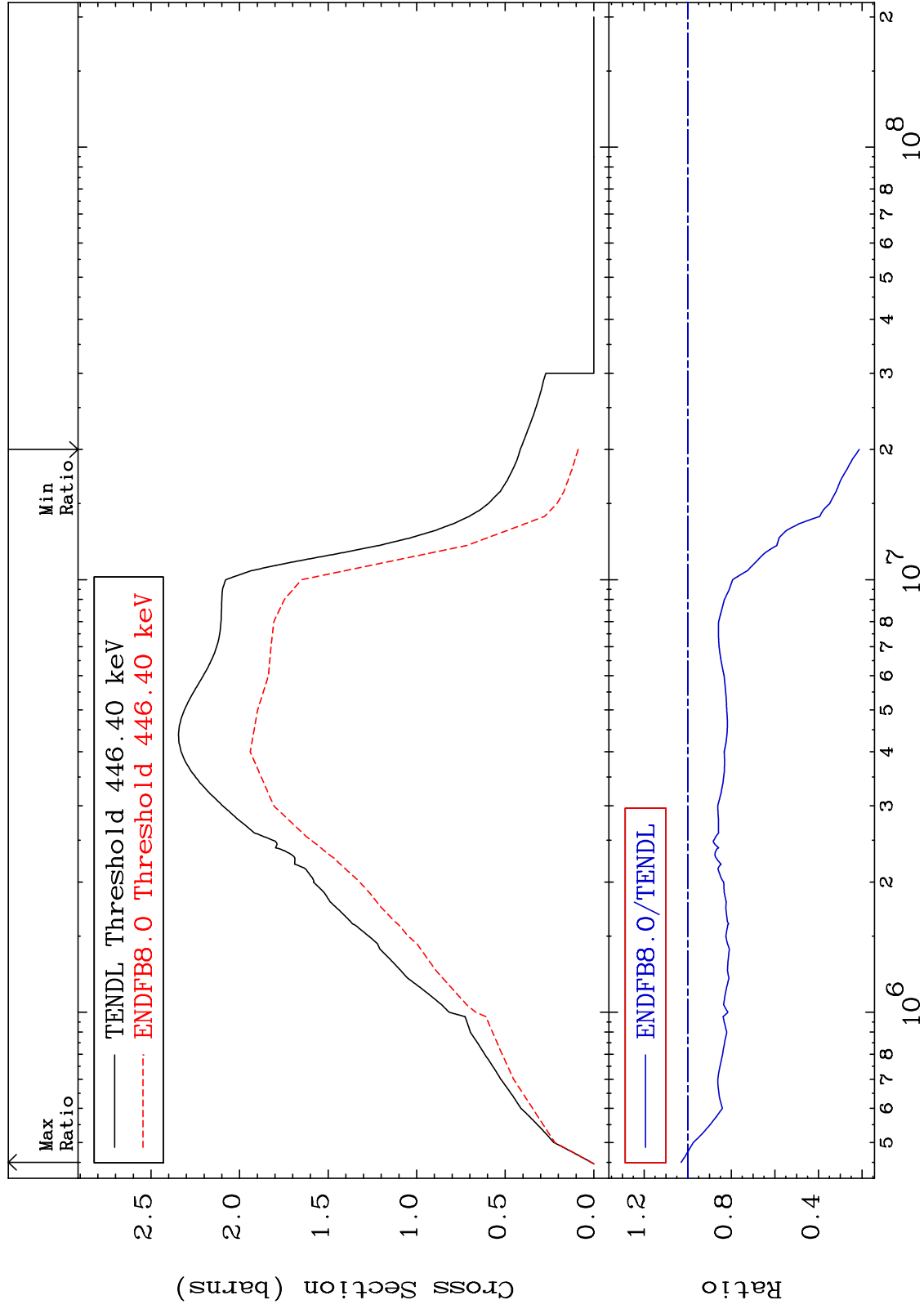
MAT 5437

Inelastic

54-Xe-128

Cross Section

-78.71 To 3.058 %



3

Incident Energy (eV)

54-Xe-128

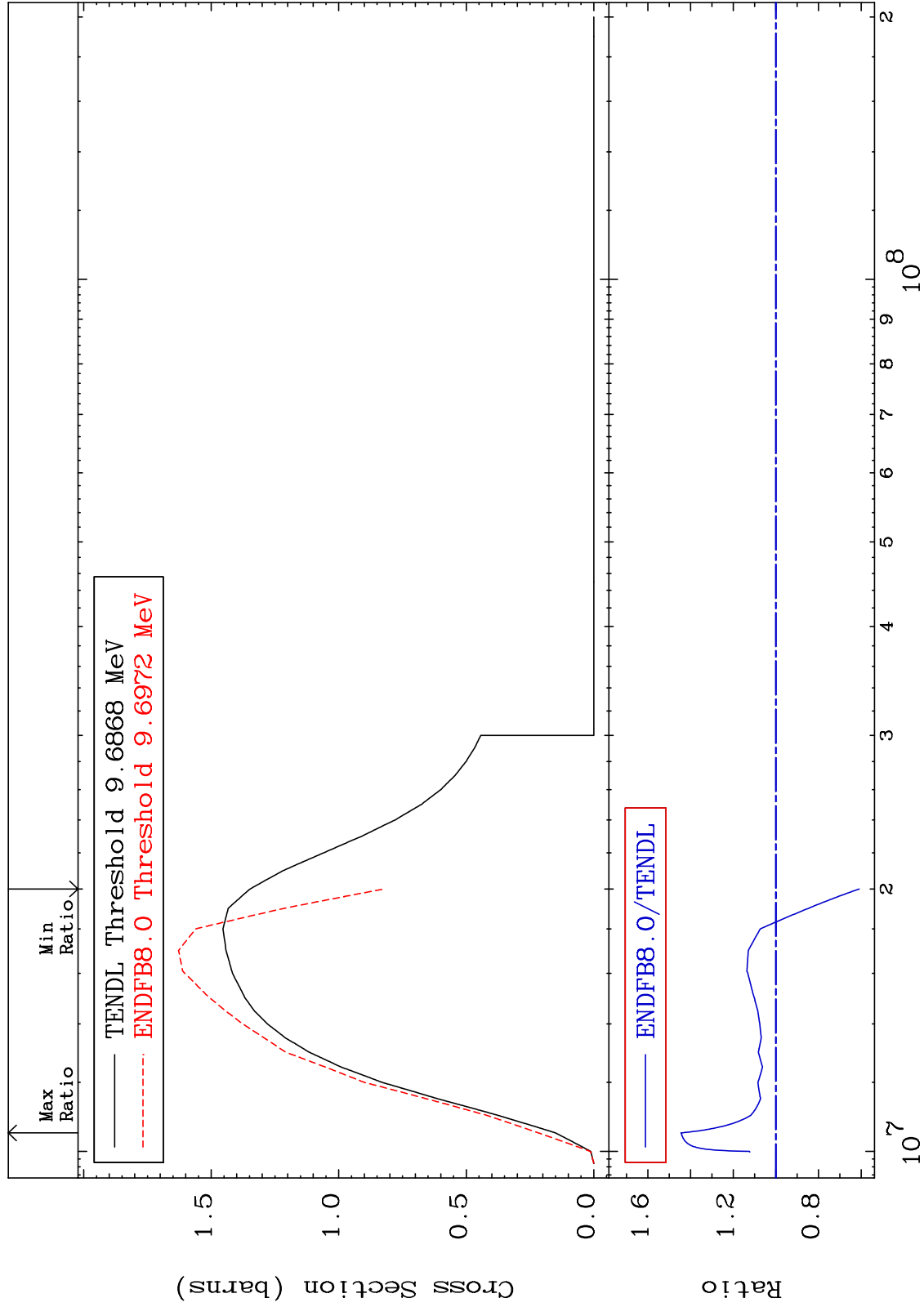
MAT 5437

(n,2n)

54-Xe-128

Cross Section

-39.09 To 44.44 %



Incident Energy (eV)

54-Xe-128

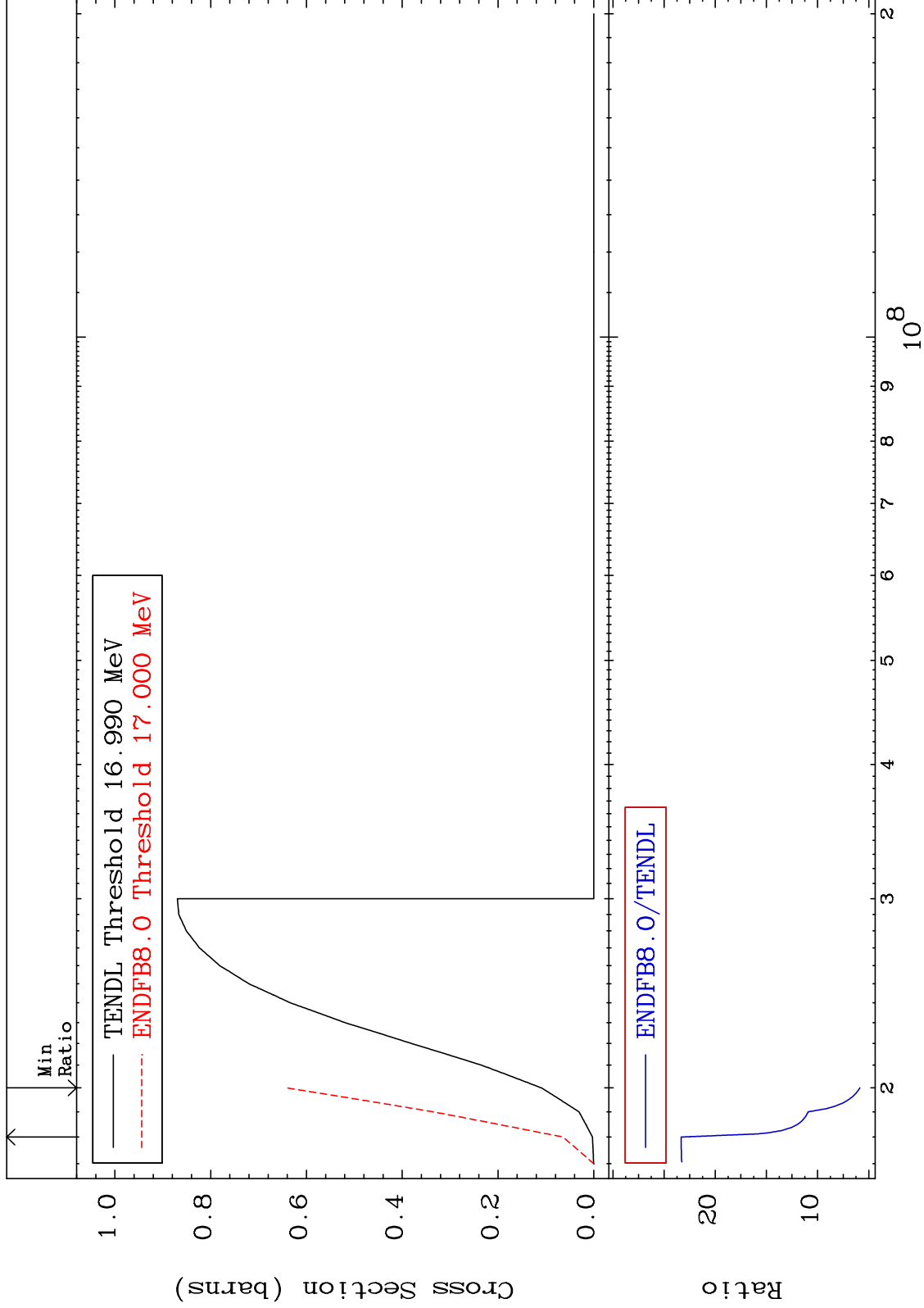
MAT 5437

(n,3n)

54-Xe-128

Cross Section

486.3 To 2233. %



5

Incident Energy (eV)

54-Xe-128

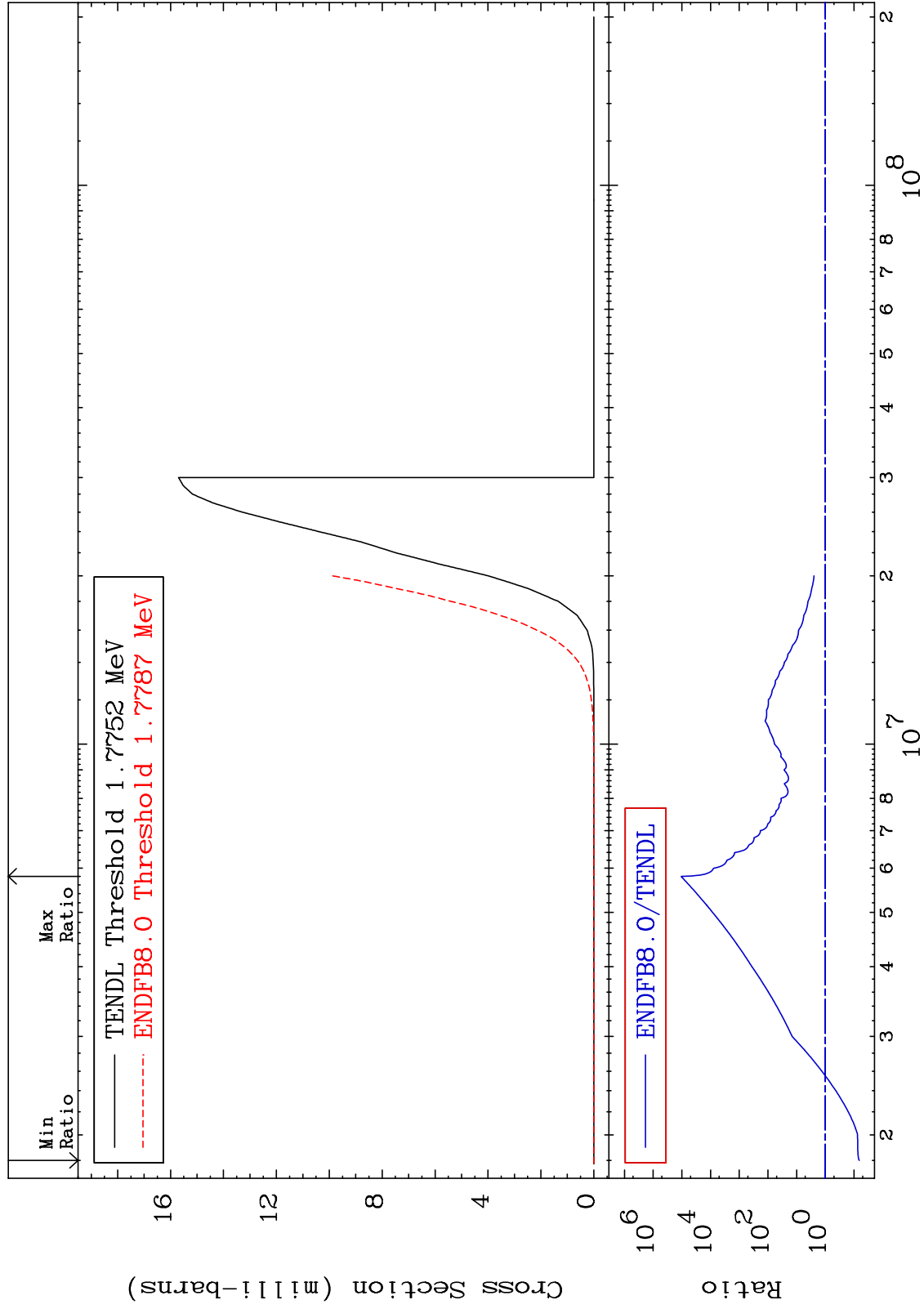
MAT 5437

(n,n') α

54-Xe-128

Cross Section

-93.45 To 9999. %



6

Incident Energy (eV)

54-Xe-128

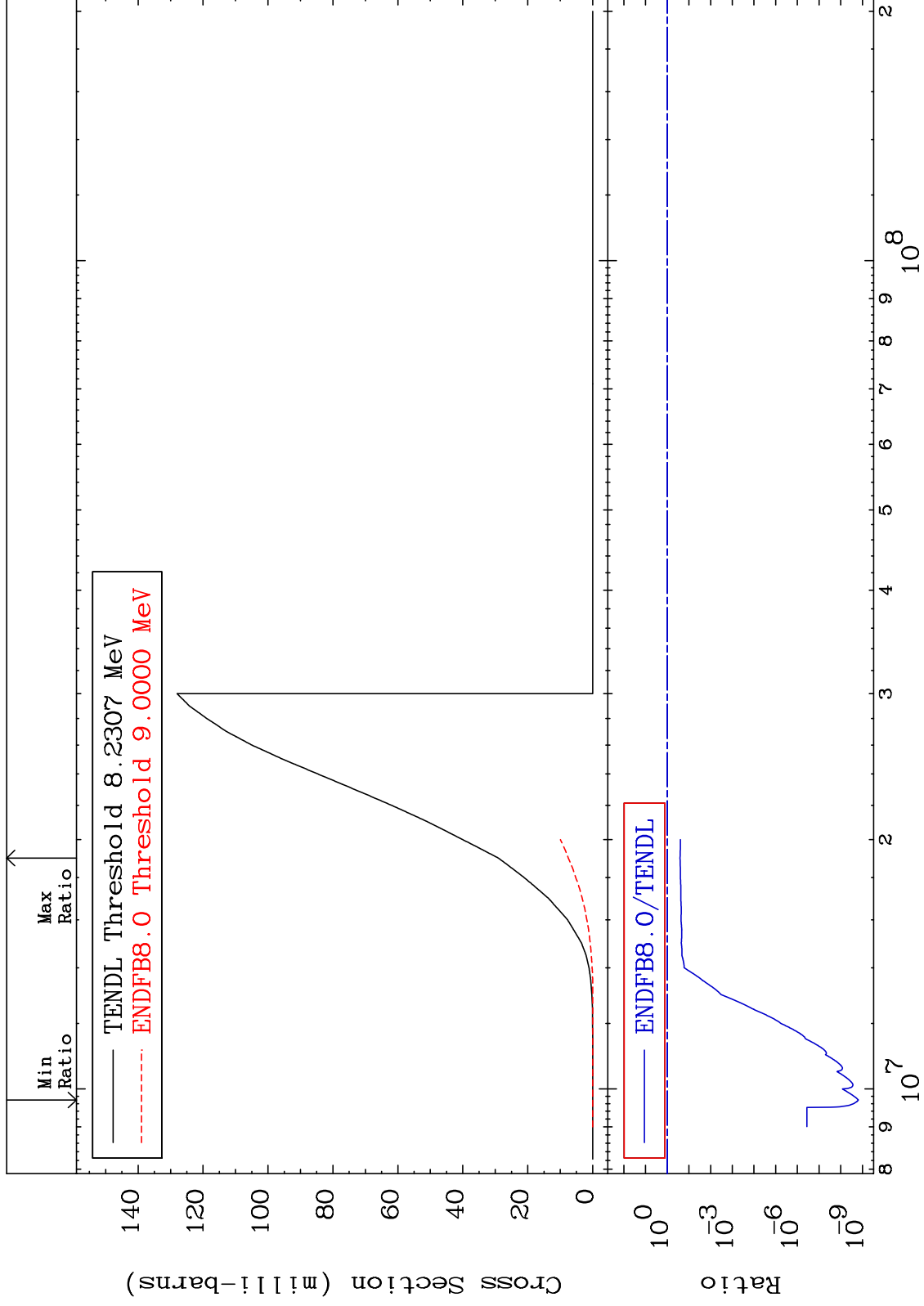
MAT 5437

(n,n') p

54-Xe-128

Cross Section

-100.0 To -74.26%



Incident Energy (eV)

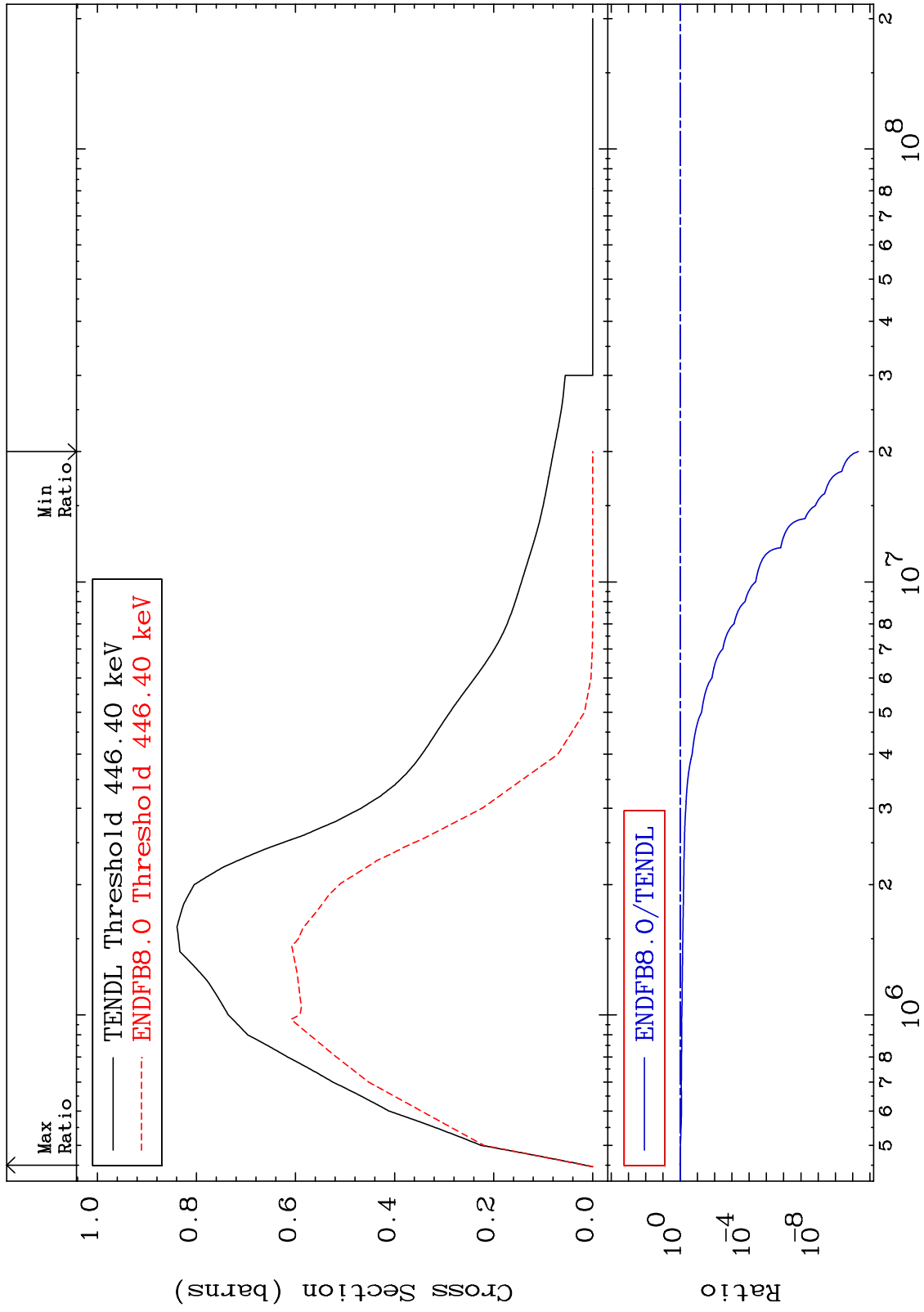
54-Xe-128

7

MAT 5437

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

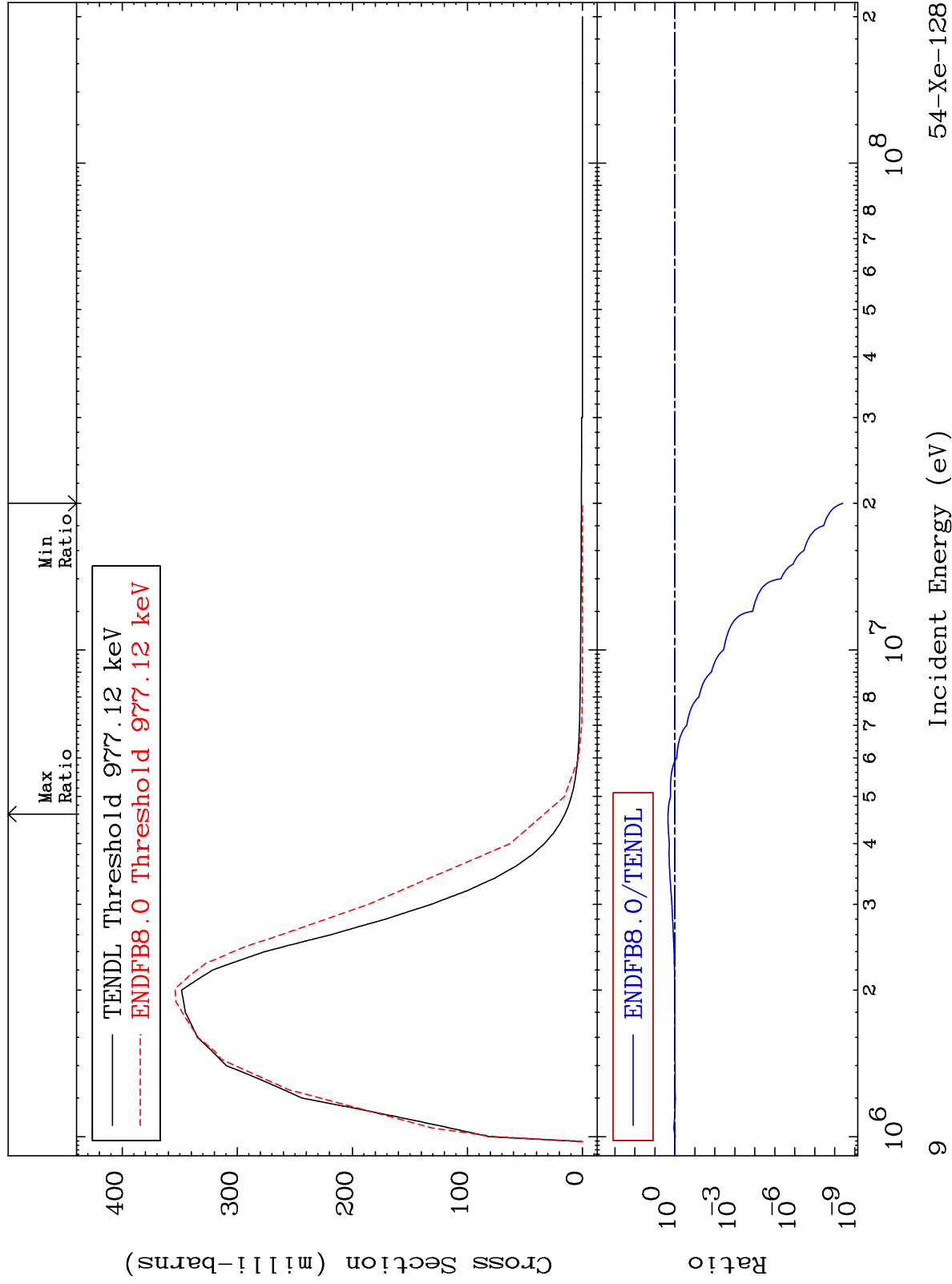
54-Xe-128
-100.0 To 3.058 %



MAT 5437

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

54-Xe-128
-100.0 To 119.3 %

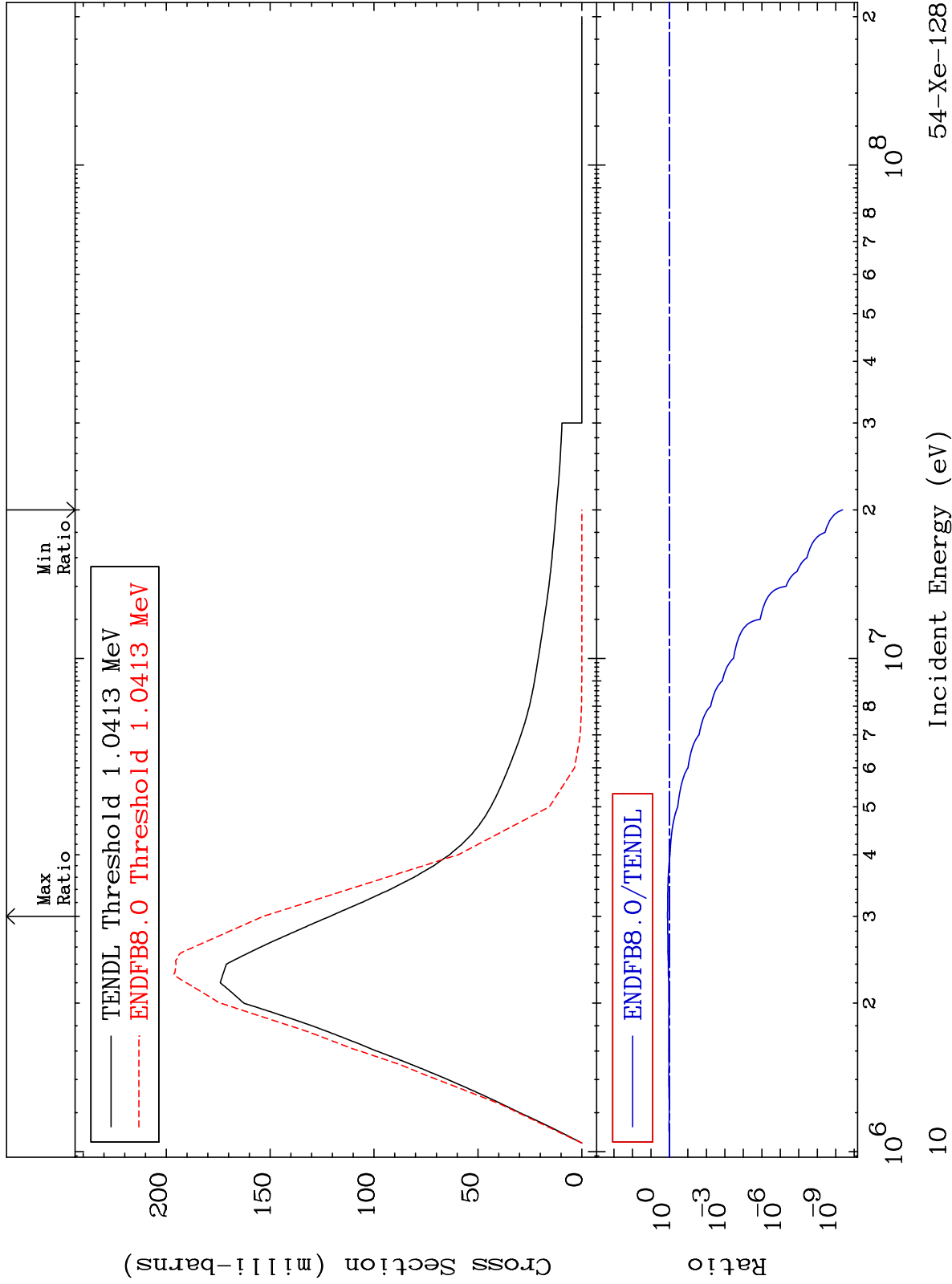


54-Xe-128

MAT 5437

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

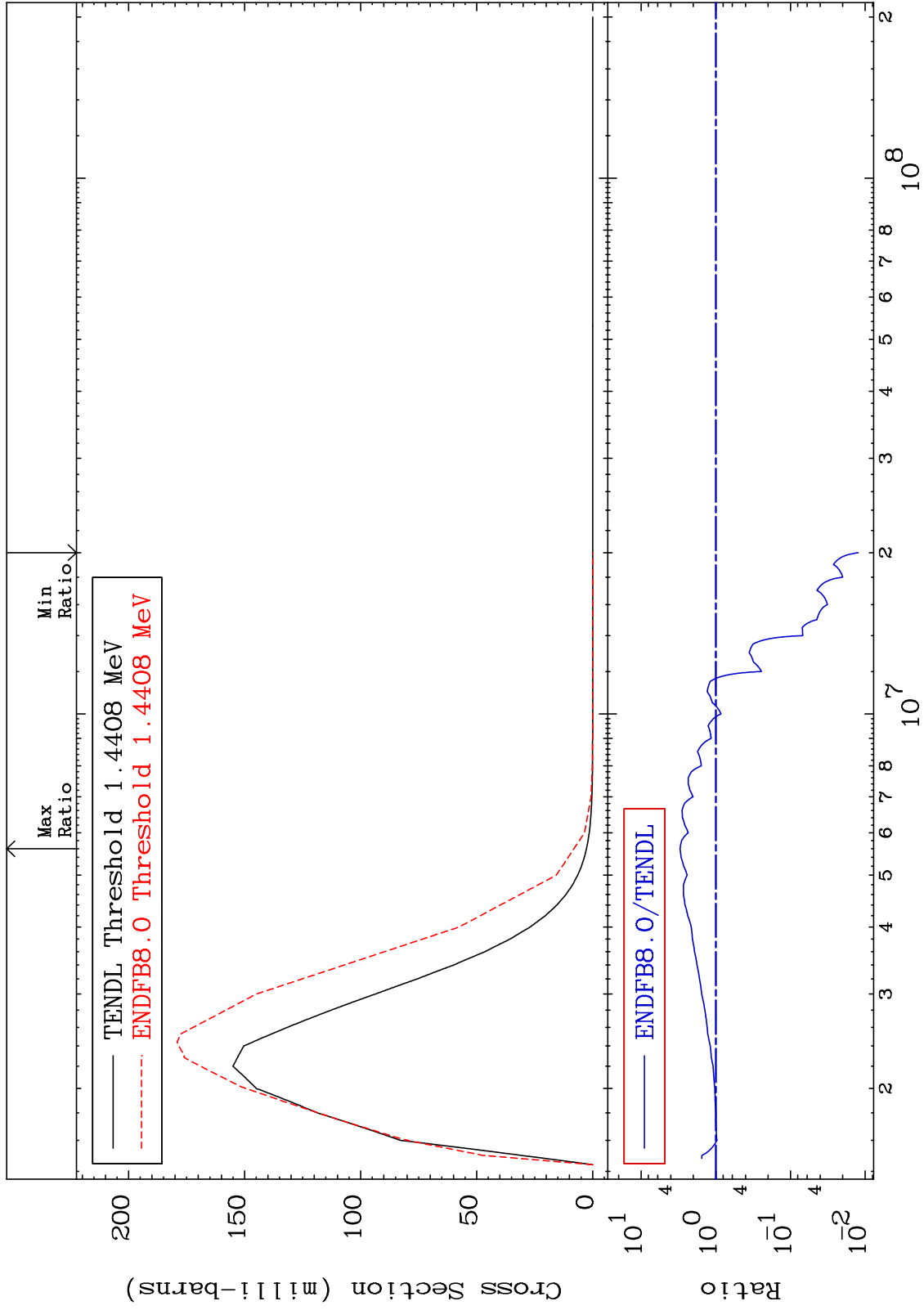
54-Xe-128
-100.0 To 26.49 %



MAT 5437

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

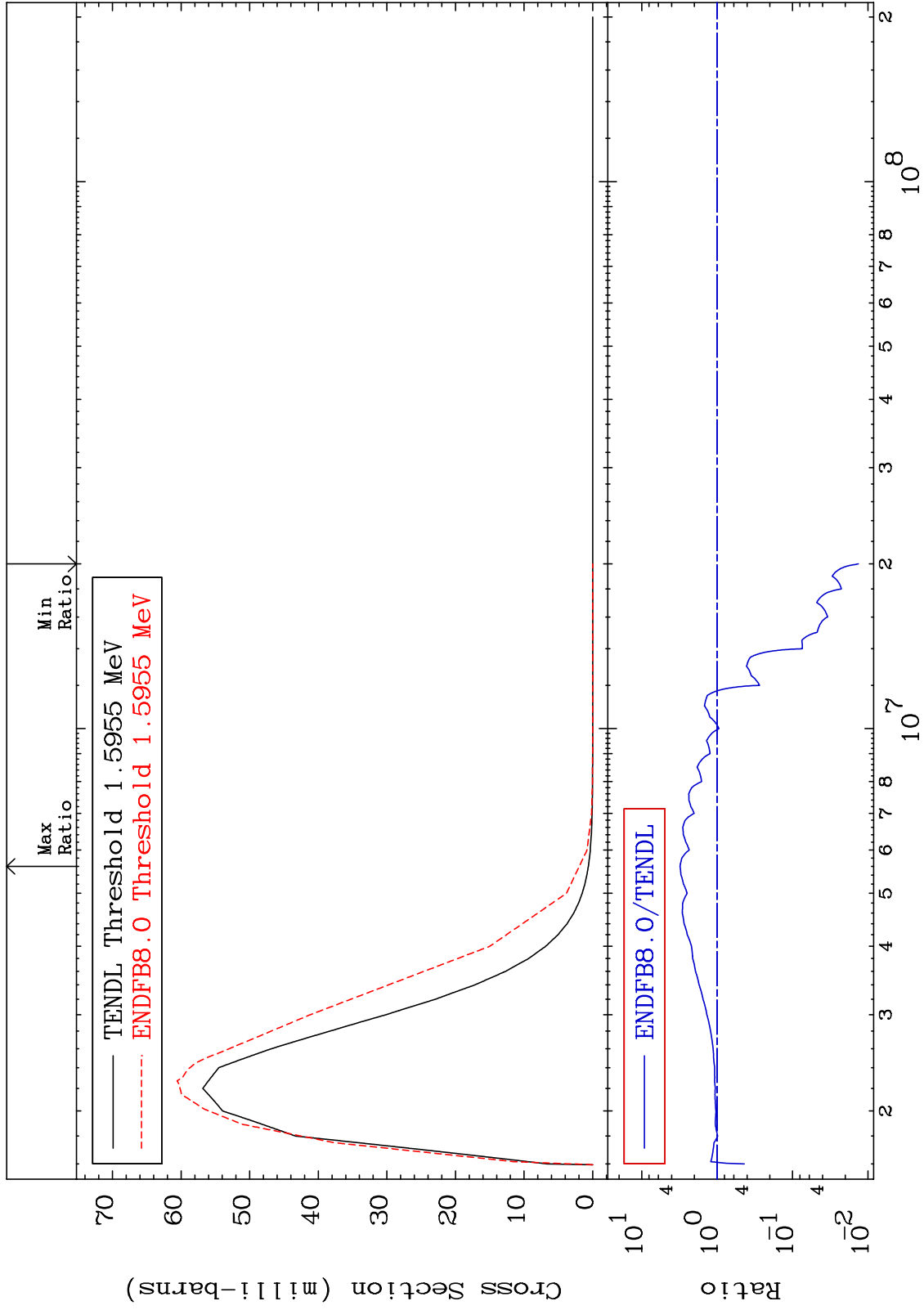
54-Xe-128
-98.77 To 201.6 %



MAT 5437

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

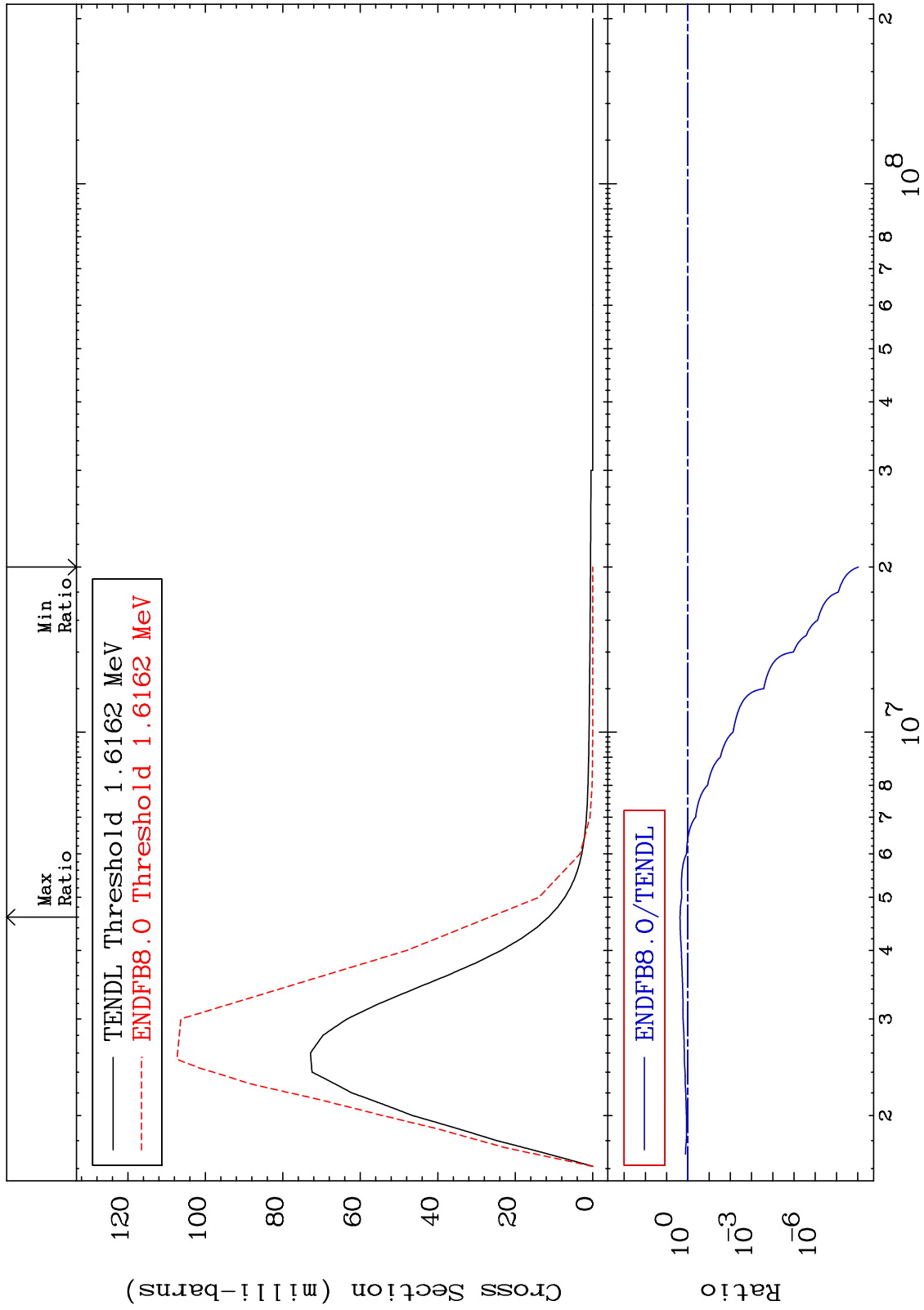
54-Xe-128
-98.66 To 210.5 %



MAT 5437

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

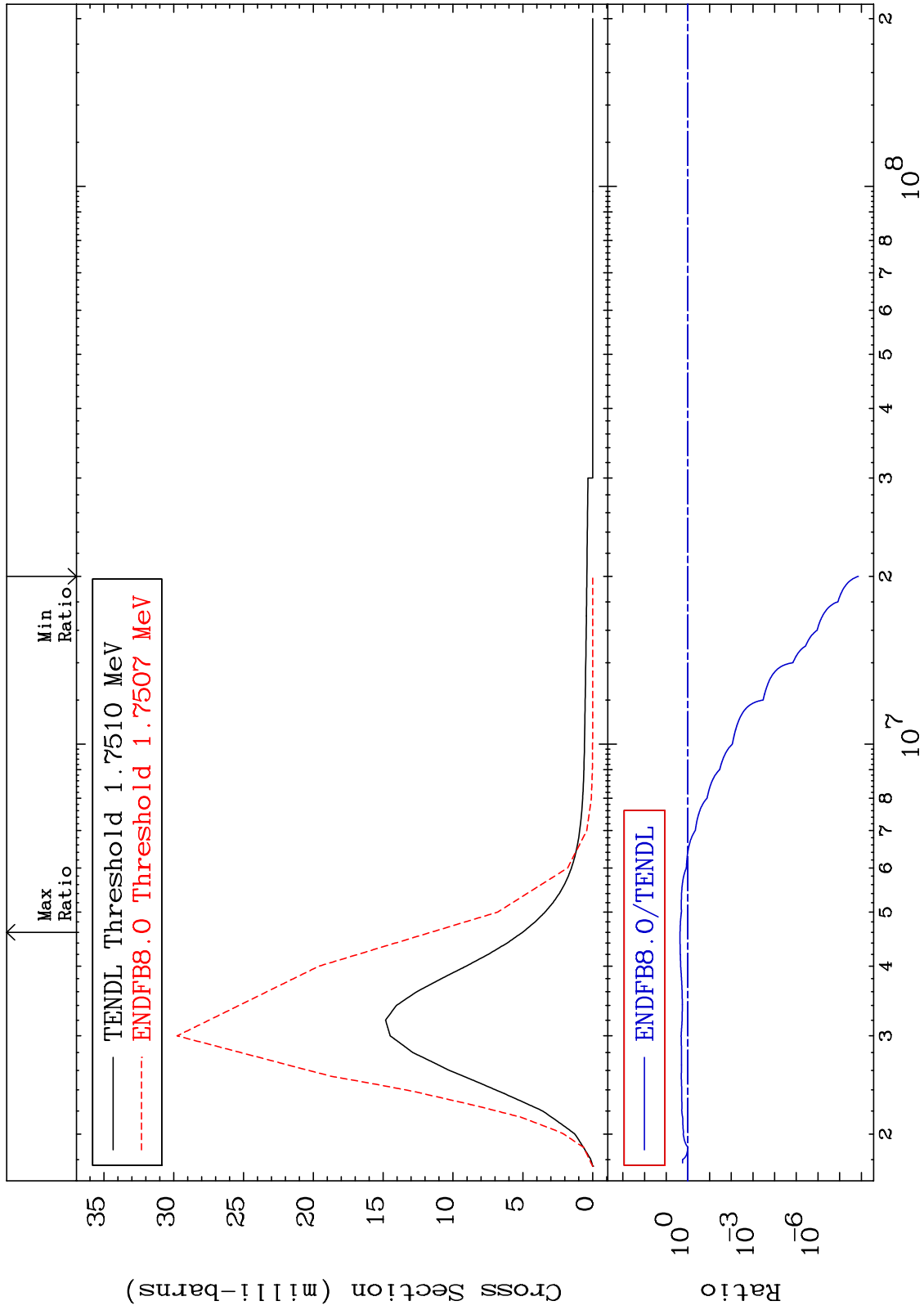
54-Xe-128
-100.0 To 133.7 %



MAT 5437

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

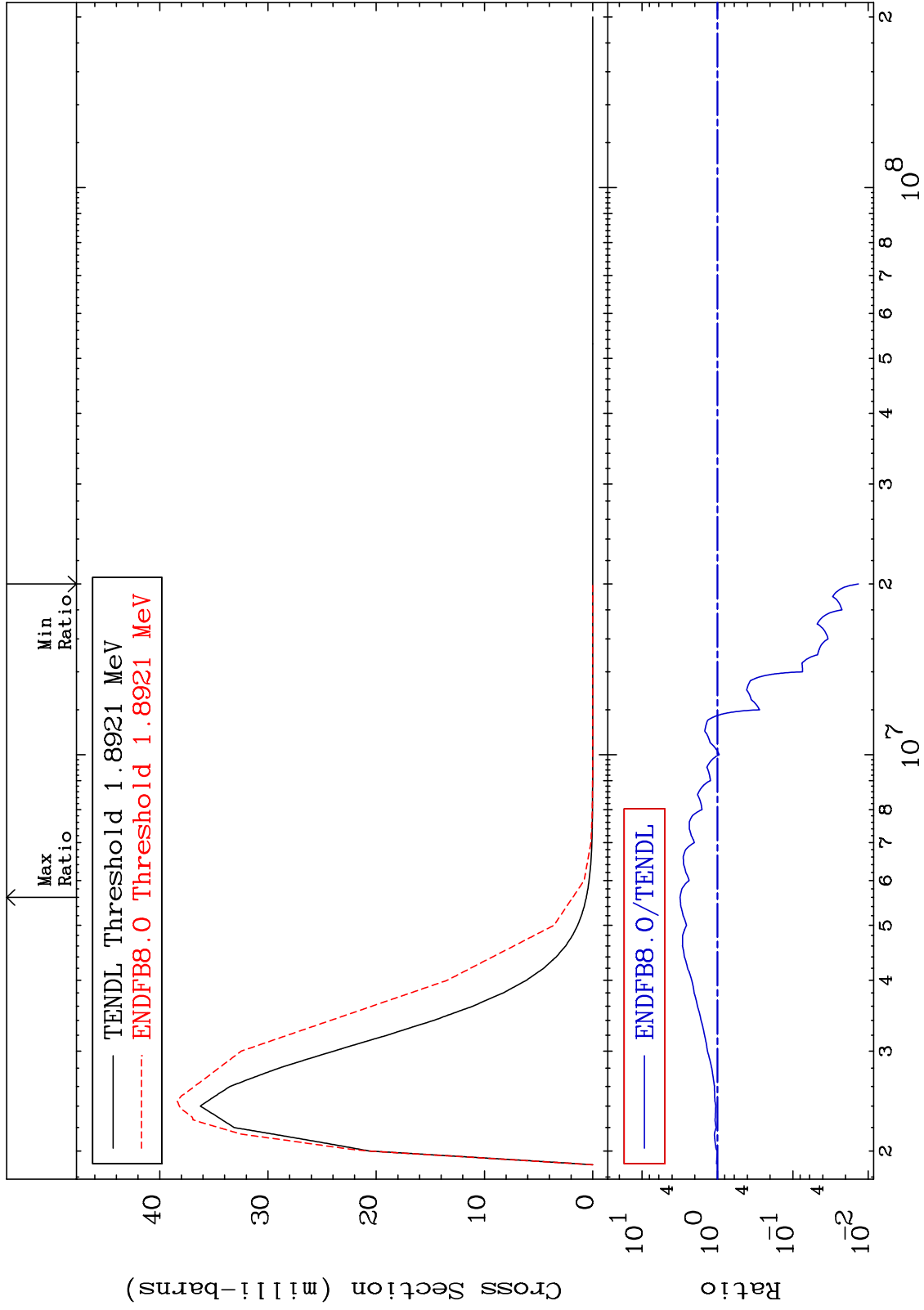
54-Xe-128
-100.0 To 130.9 %



MAT 5437

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

54-Xe-128
-98.65 To 213.7 %



15

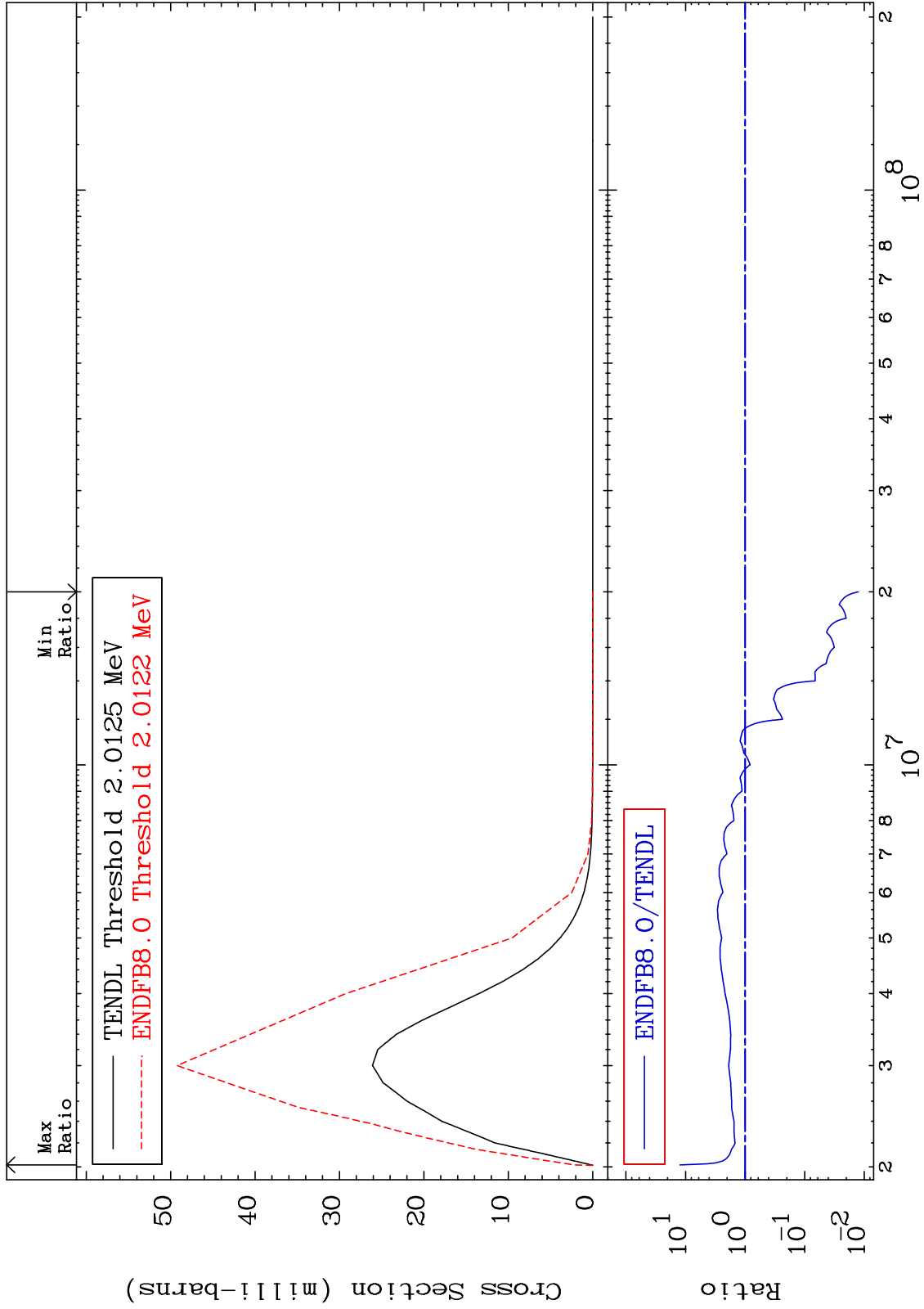
Incident Energy (eV)

54-Xe-128

MAT 5437

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

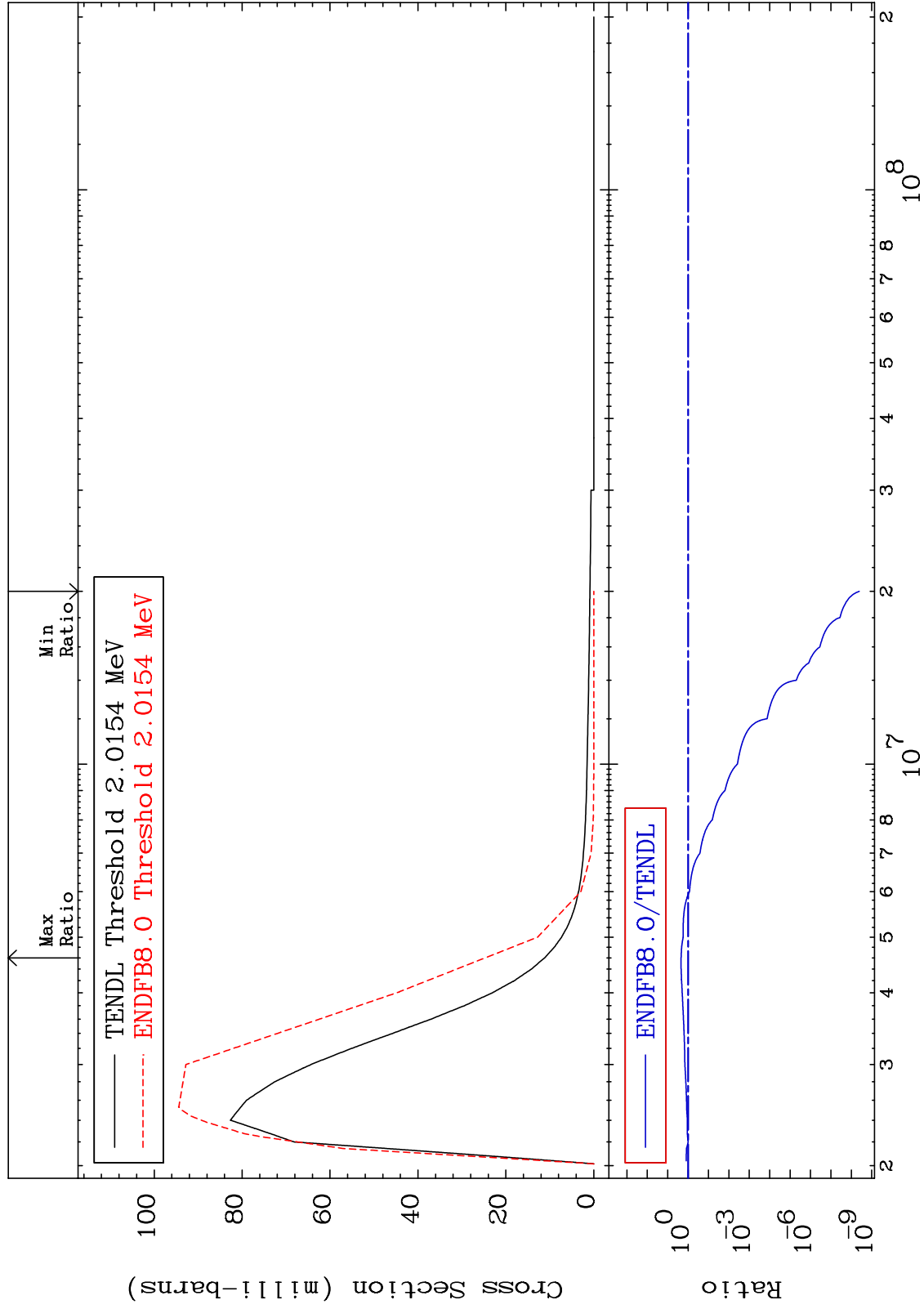
54-Xe-128
-98.75 To 1137. %



MAT 5437

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

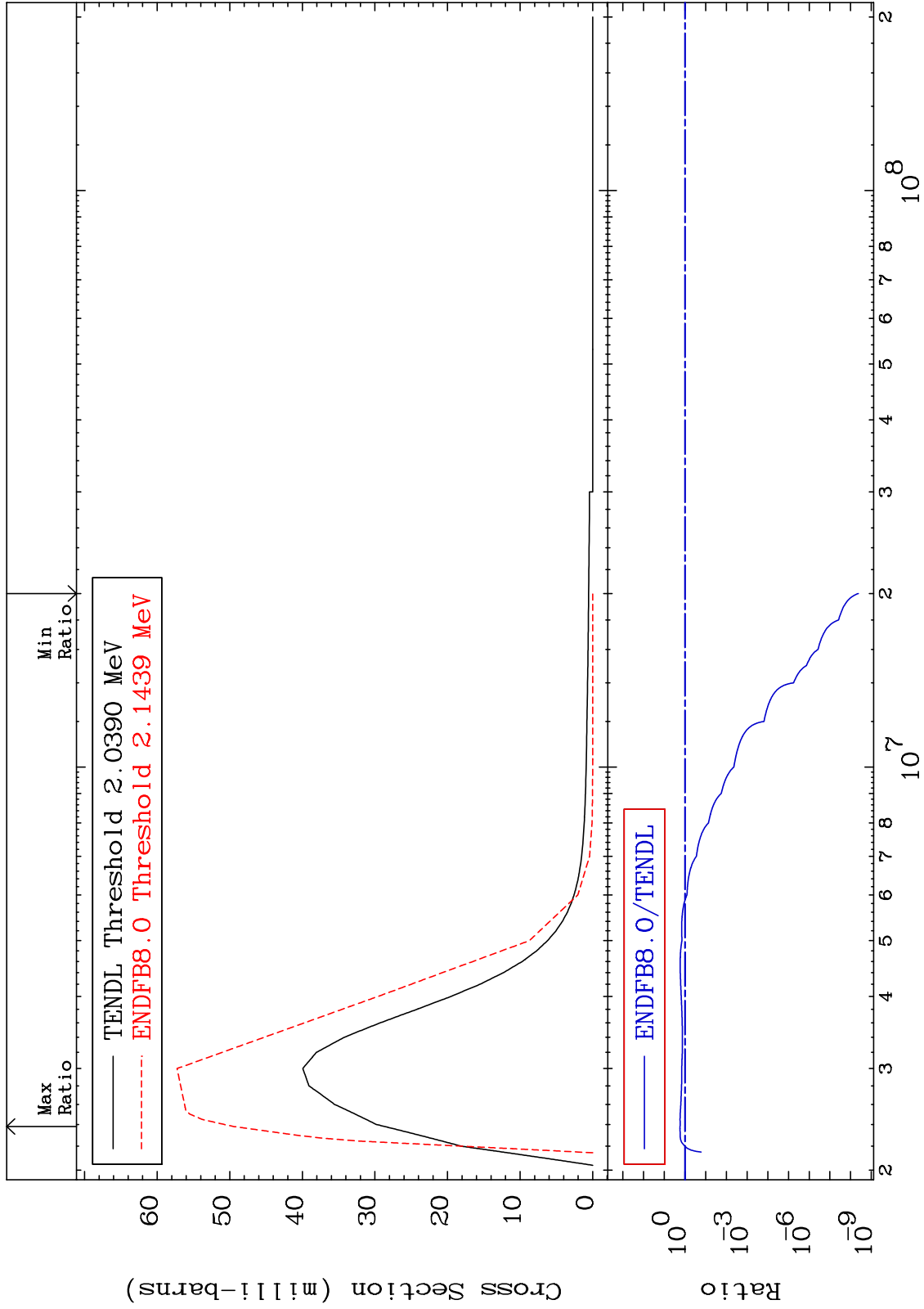
54-Xe-128
-100.0 To 120.8 %



MAT 5437

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

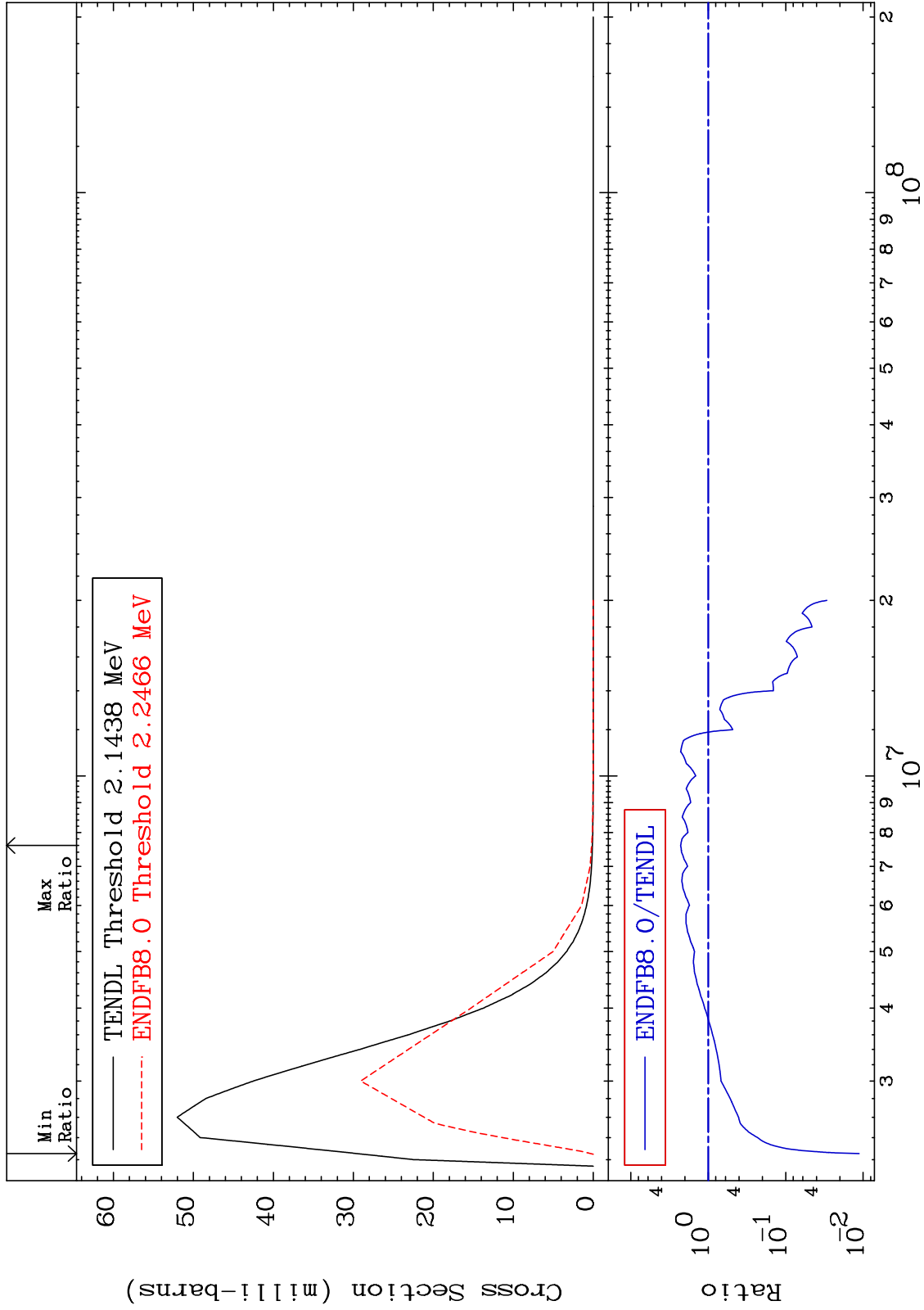
54-Xe-128
-100.0 To 72.65 %



MAT 5437

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

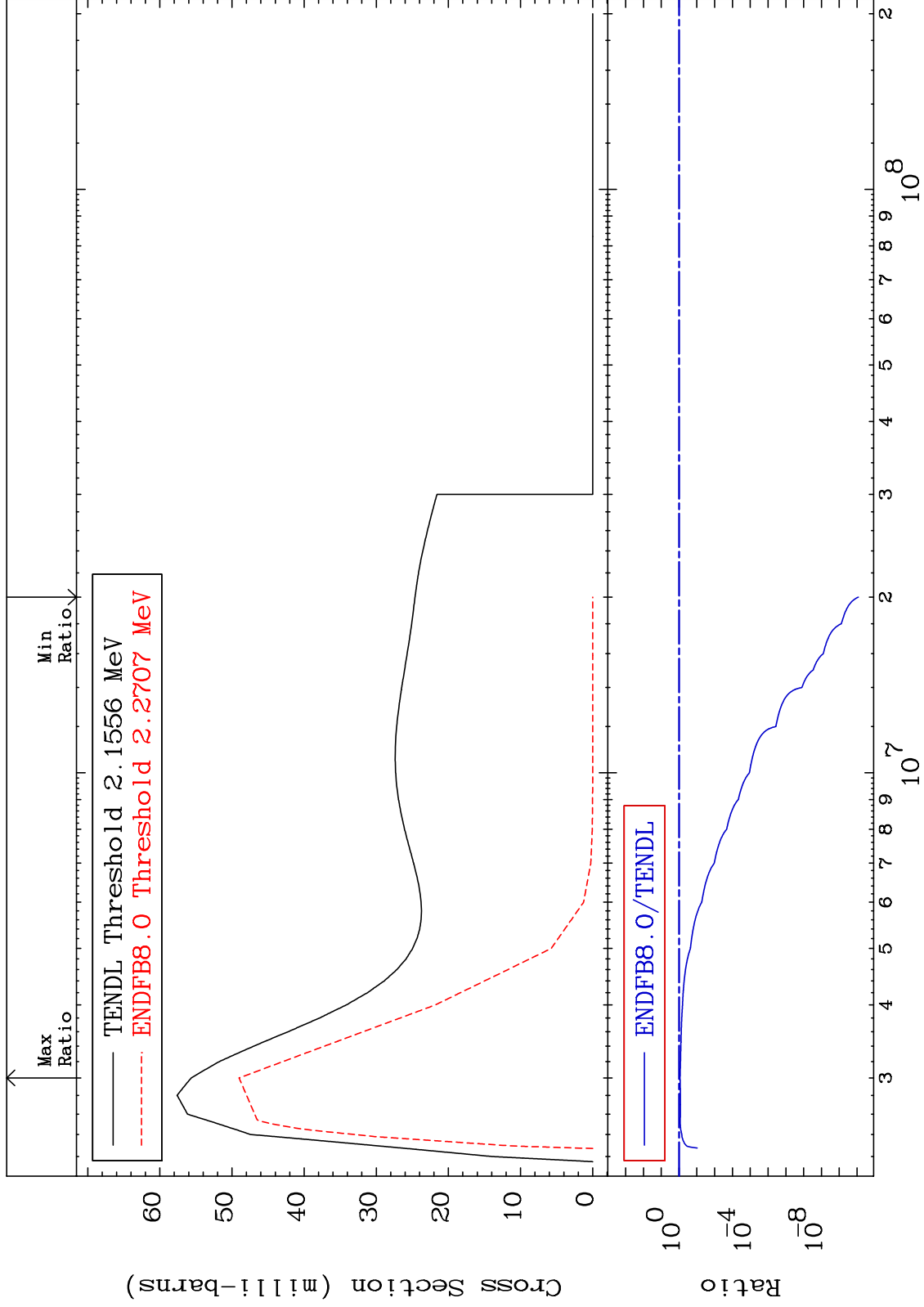
54-Xe-128
-98.87 To 127.6 %



MAT 5437

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

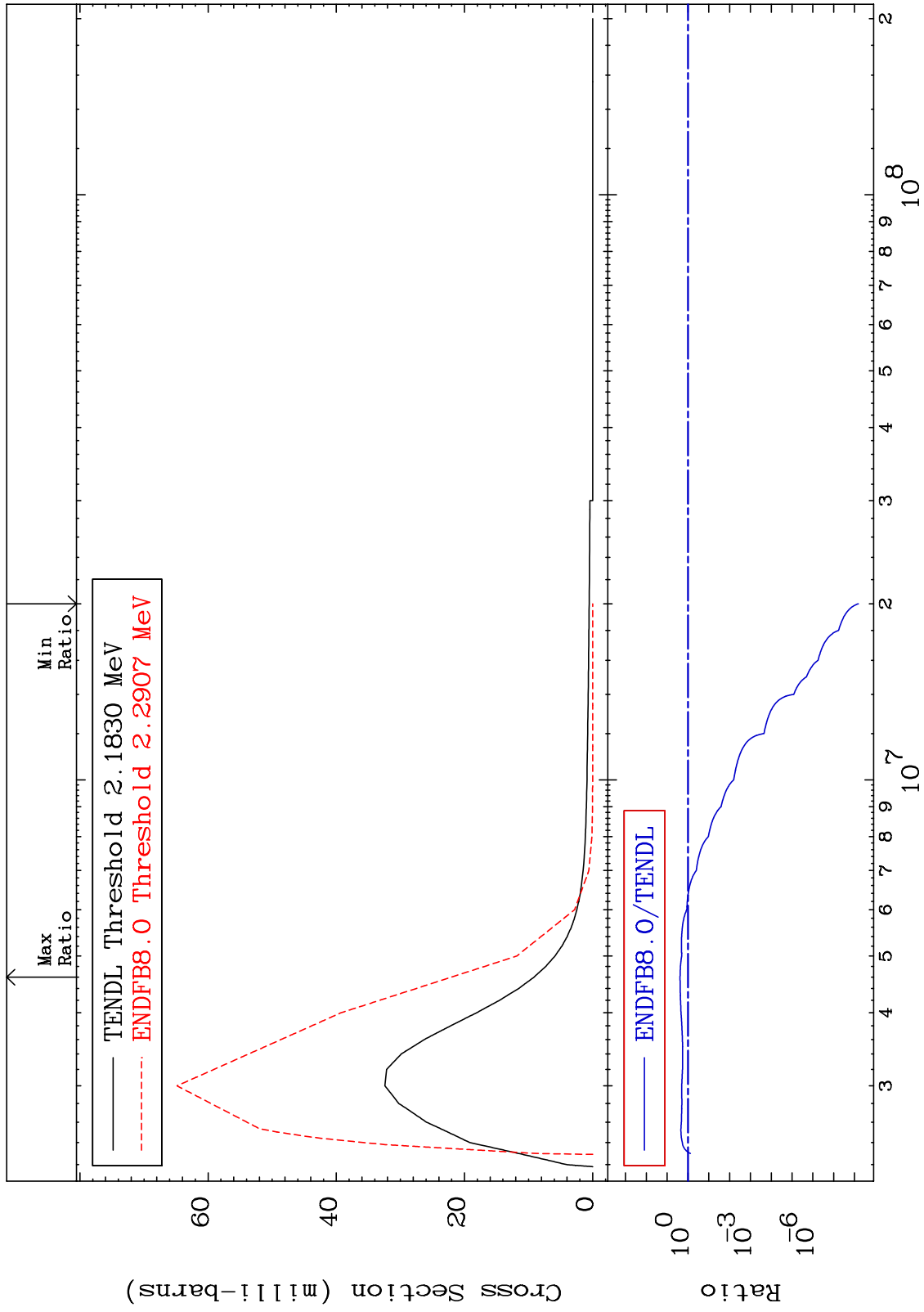
54-Xe-128
-100.0 To -11.91%



MAT 5437

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

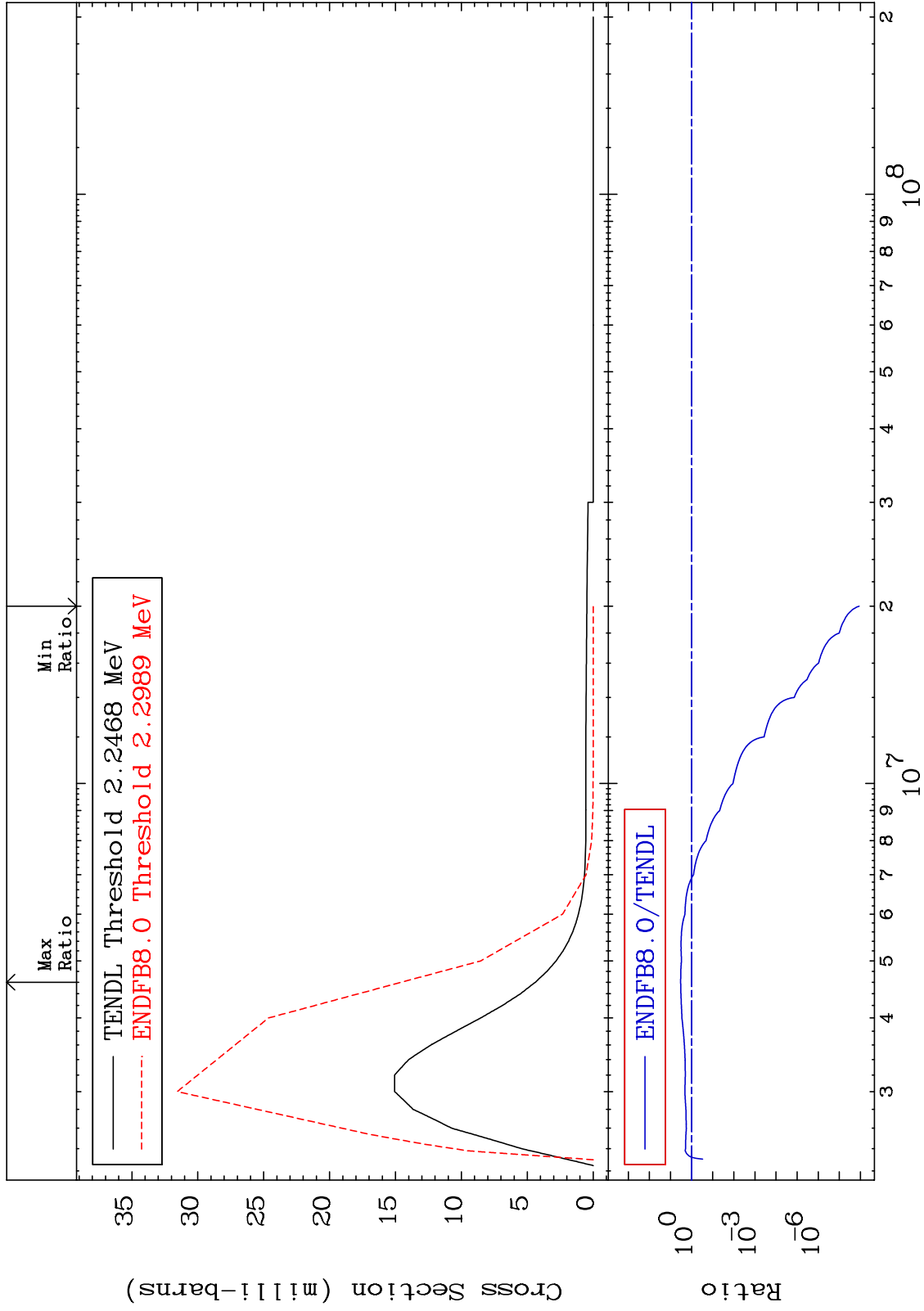
54-Xe-128
-100.0 To 141.1 %



MAT 5437

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

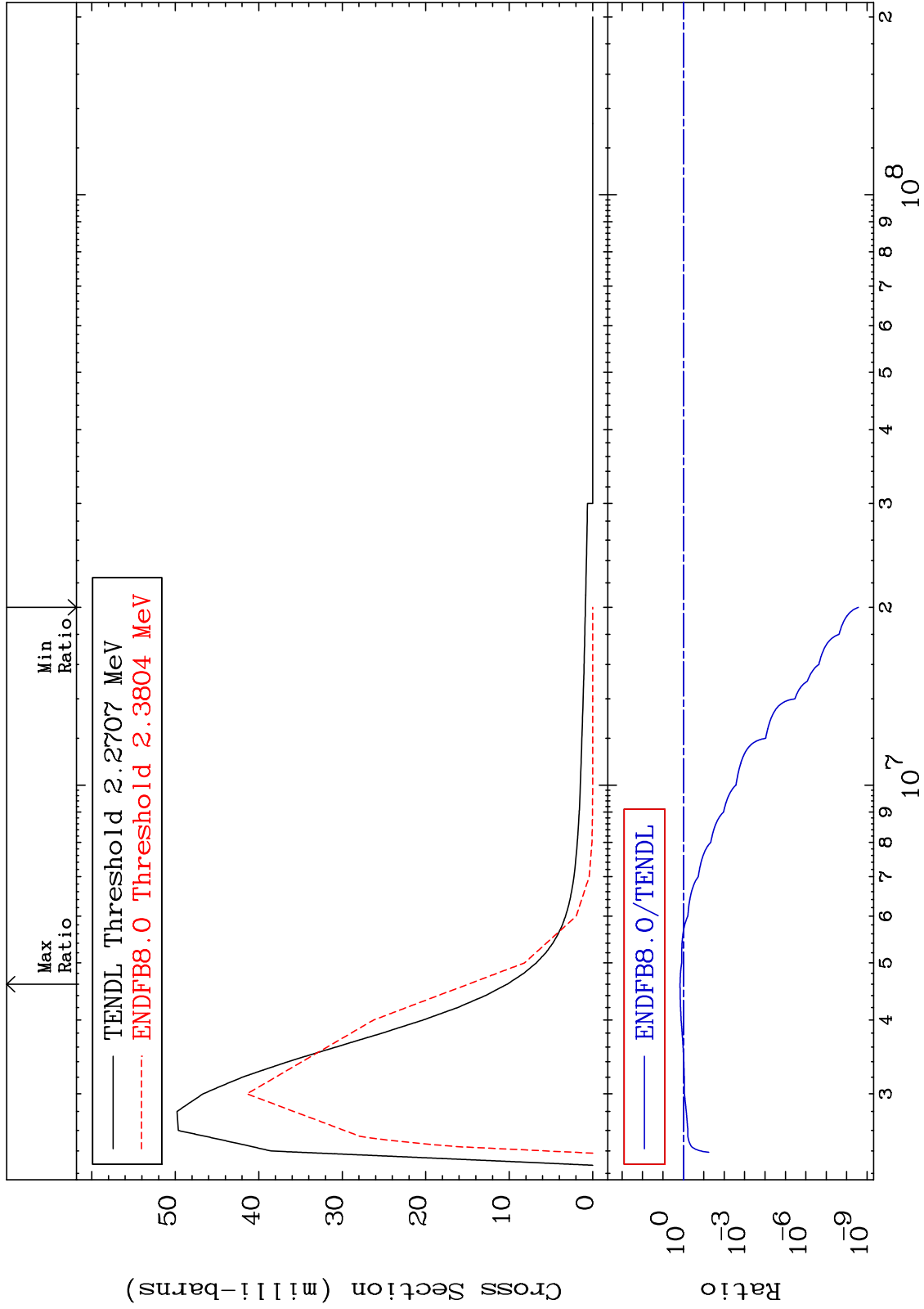
54-Xe-128
-100.0 To 231.8 %



MAT 5437

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

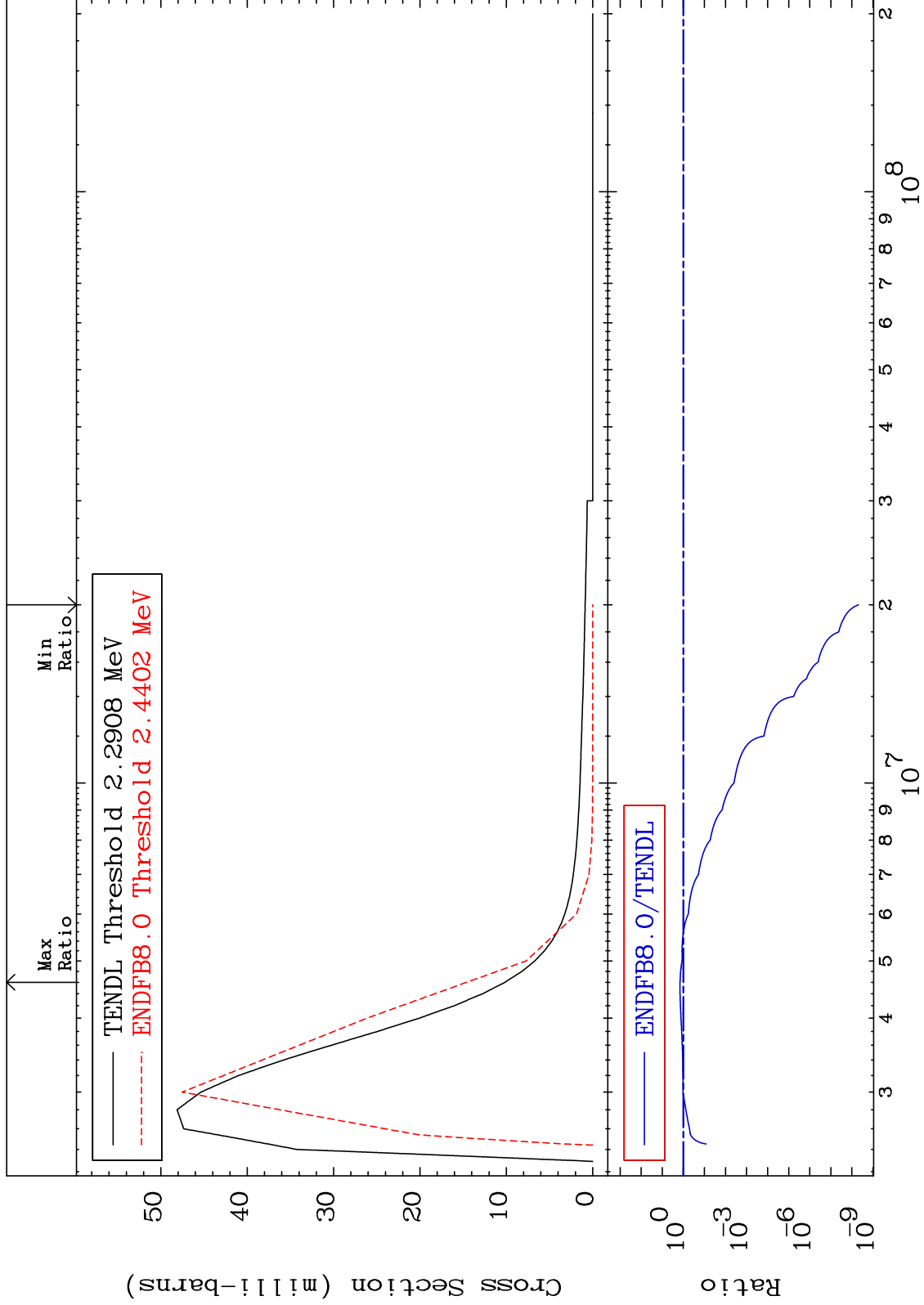
54-Xe-128
-100.0 To 45.75 %



MAT 5437

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

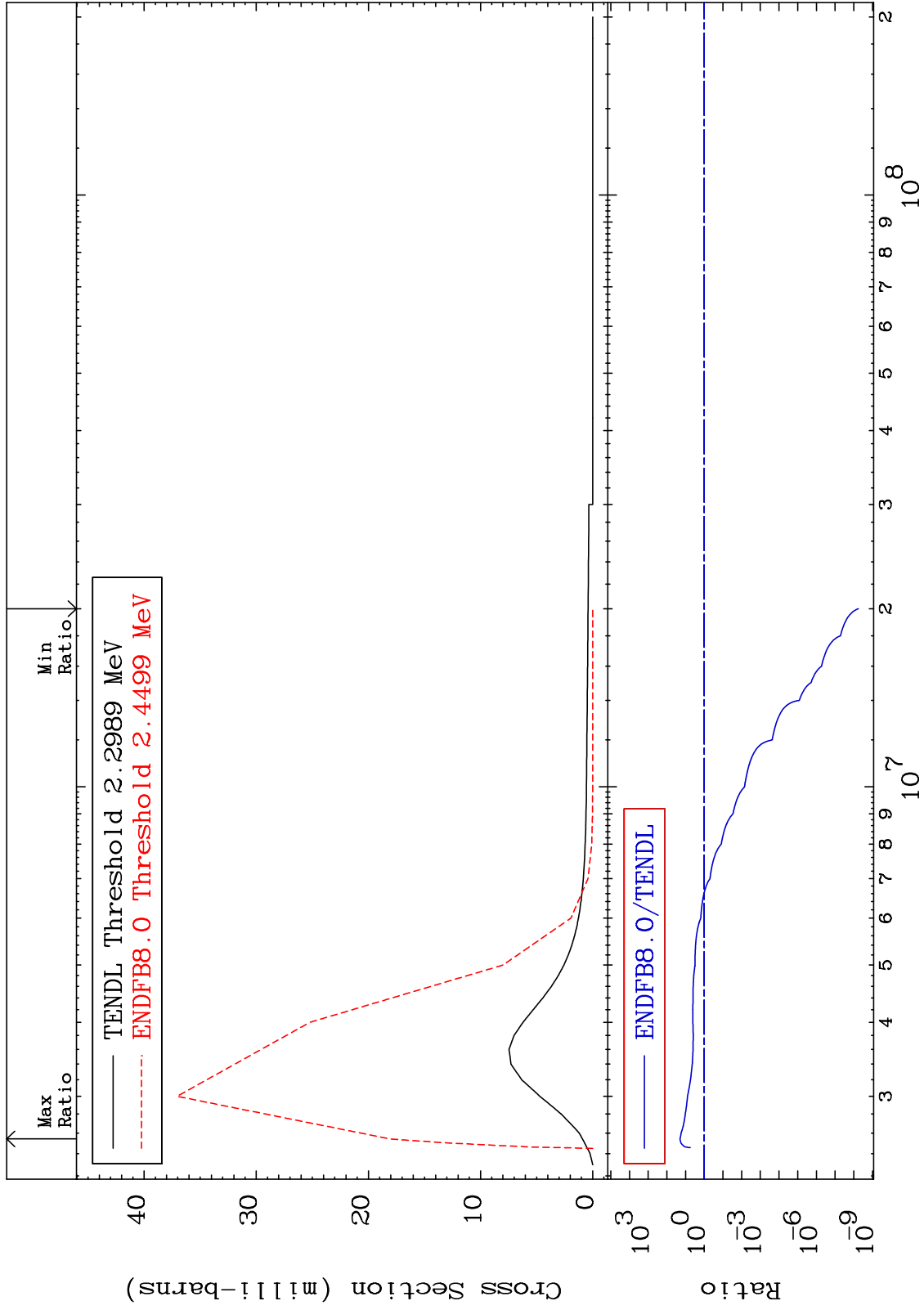
54-Xe-128
-100.0 To 43.61 %



MAT 5437

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

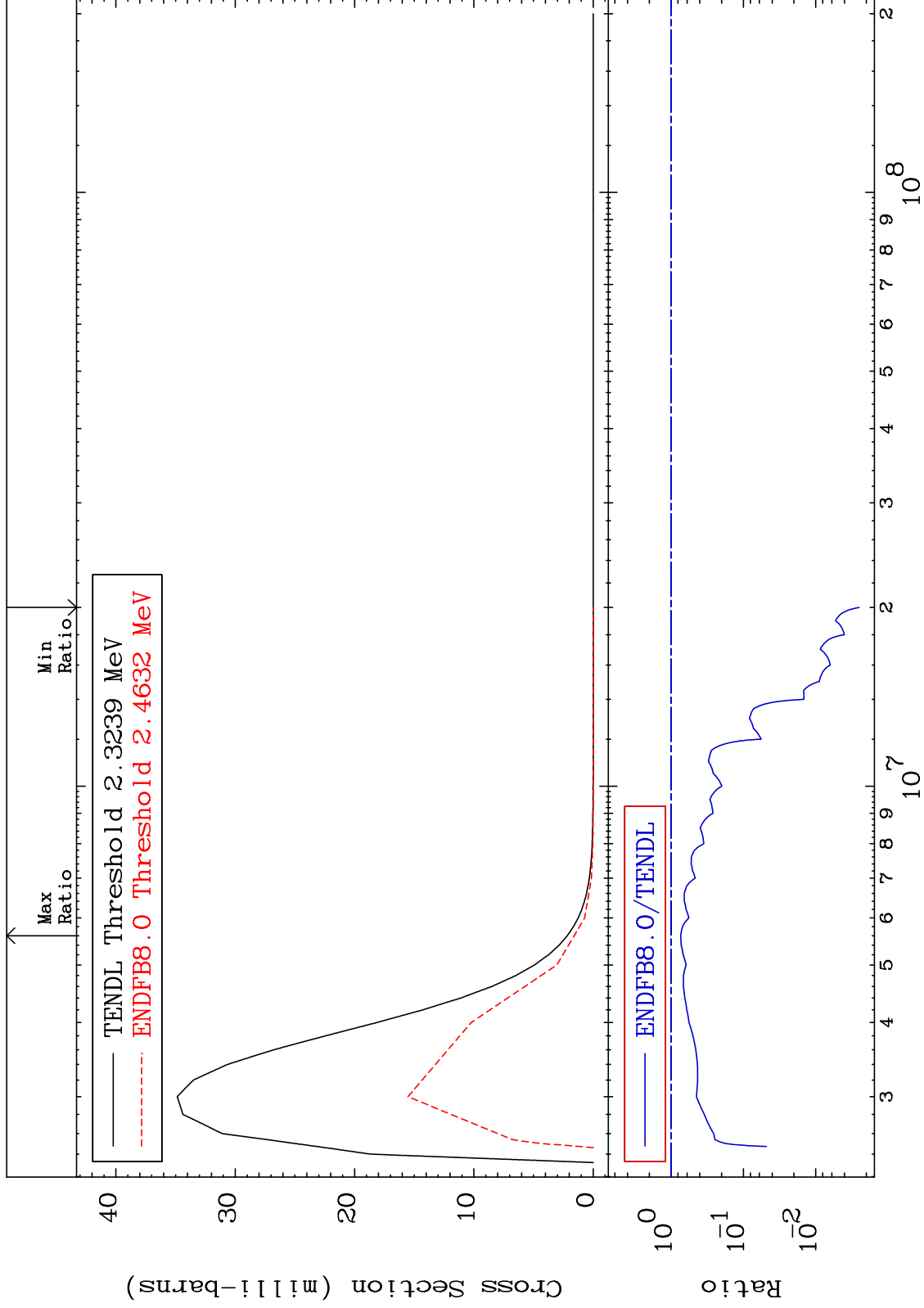
54-Xe-128
-100.0 To 1877. %



MAT 5437

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

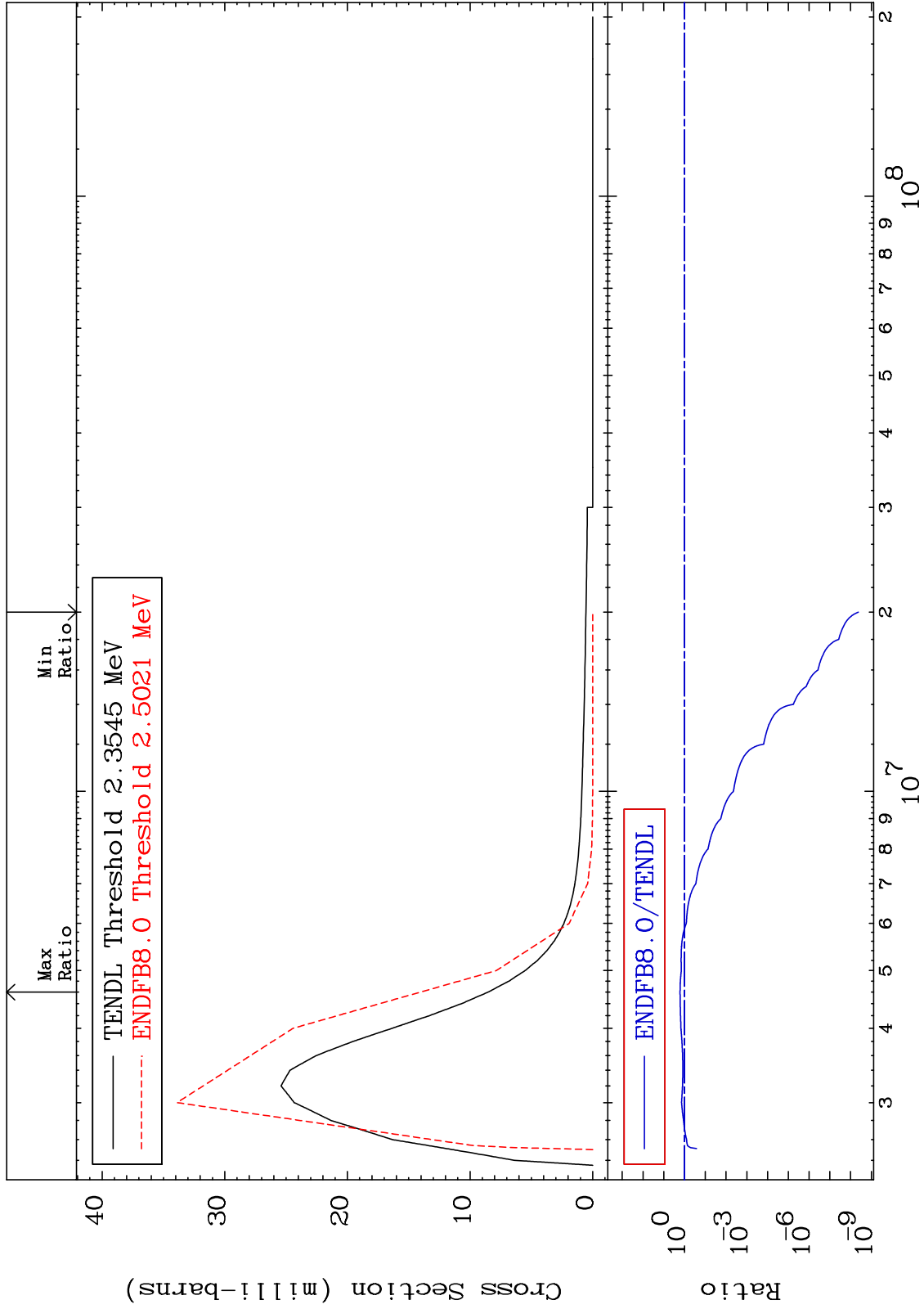
54-Xe-128
-99.75 To -26.31%



MAT 5437

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

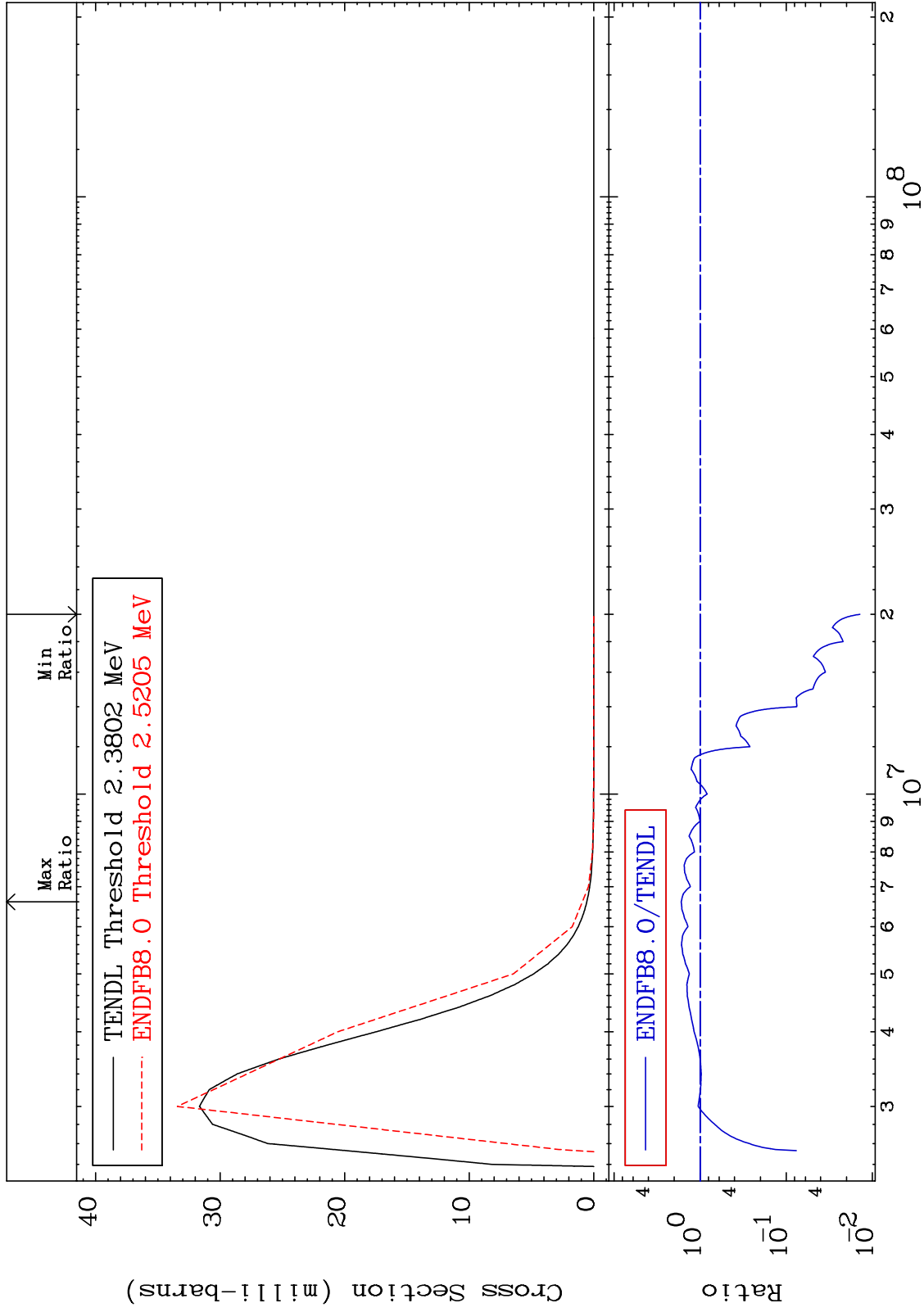
54-Xe-128
-100.0 To 64.81 %



MAT 5437

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

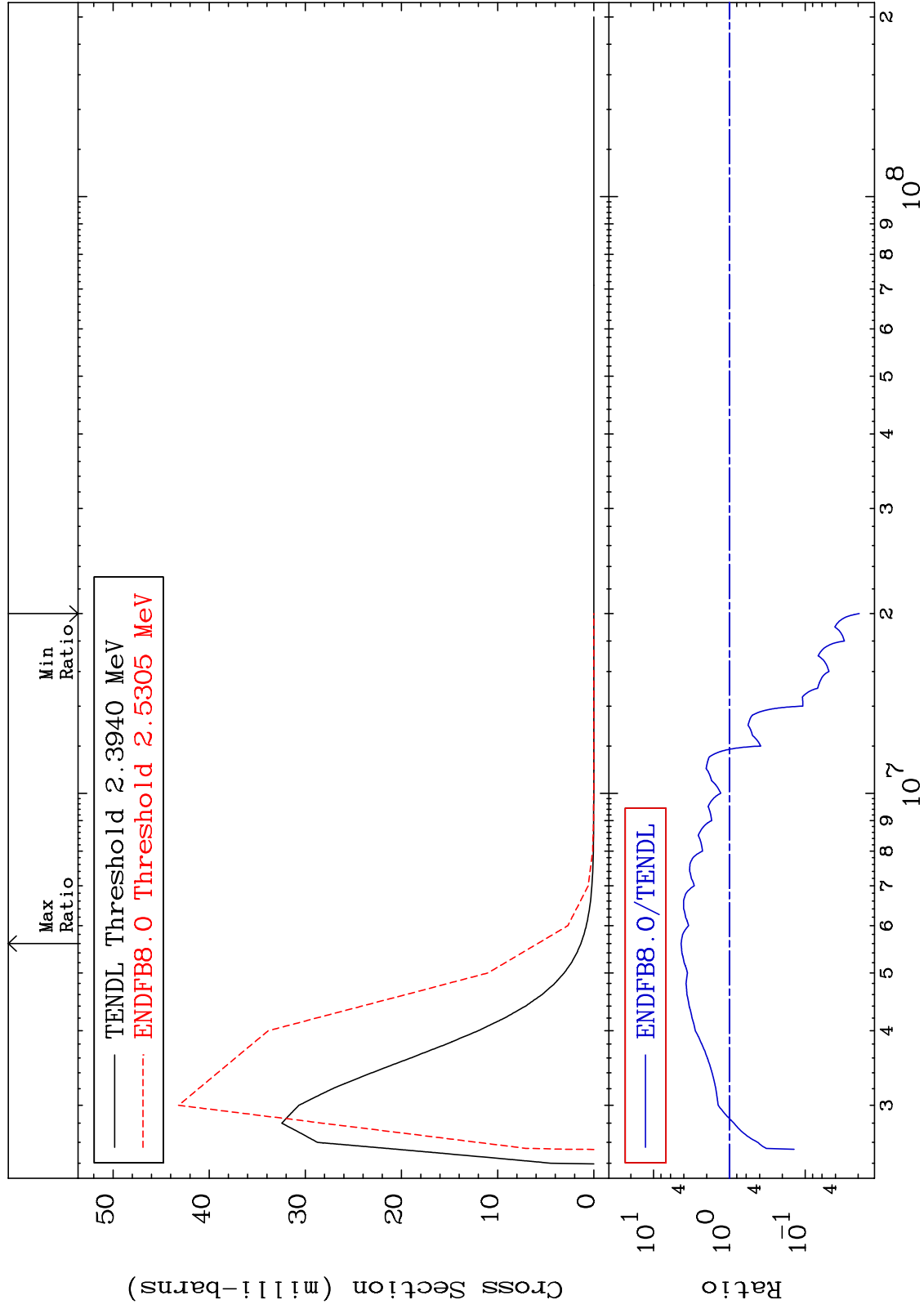
54-Xe-128
-98.60 To 65.87 %



MAT 5437

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

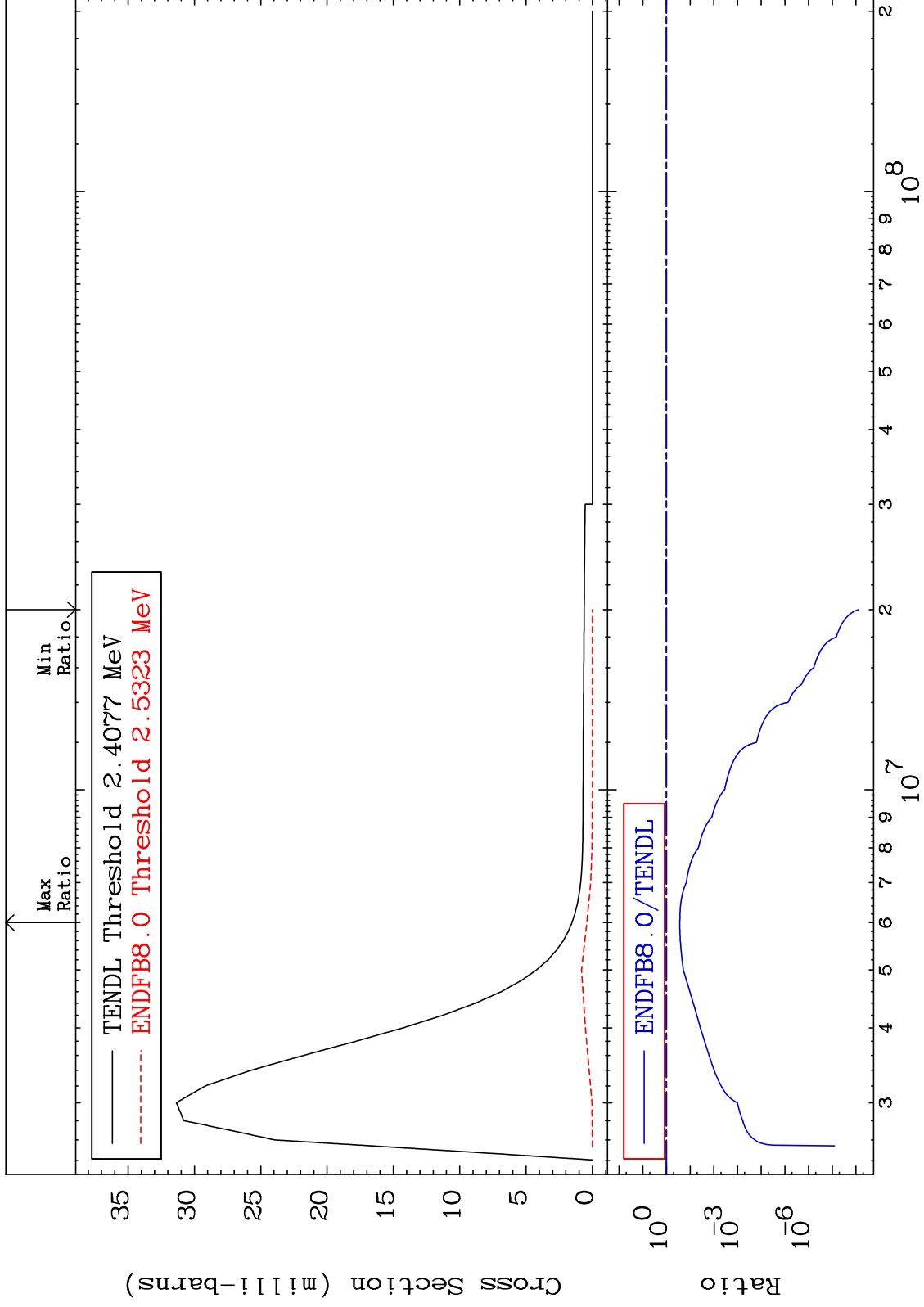
54-Xe-128
-98.06 To 334.6 %



MAT 5437

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

54-Xe-128
-100.0 To -72.77%



30

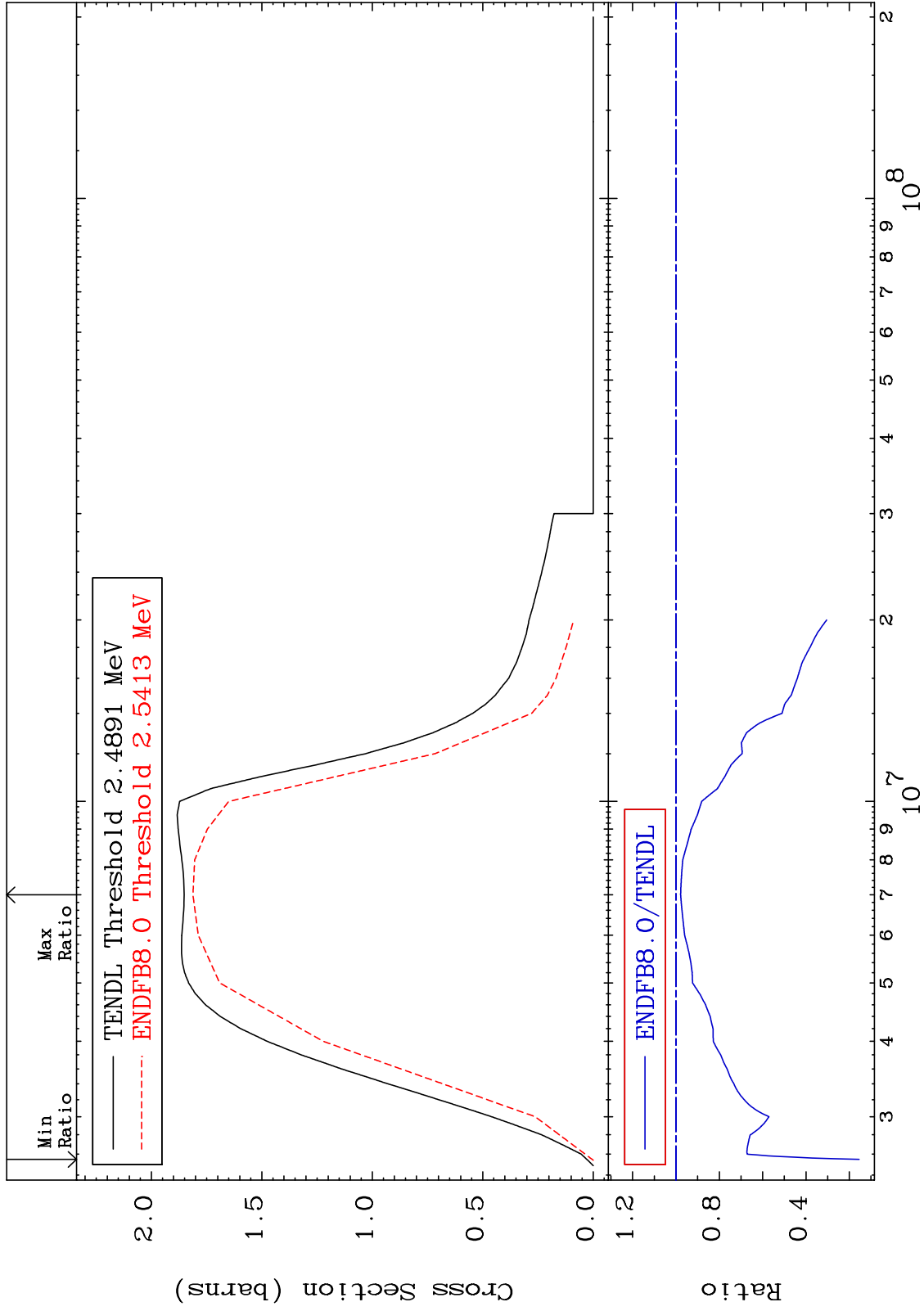
Incident Energy (eV)

54-Xe-128

MAT 5437

(n,n') Continuum
Cross Section

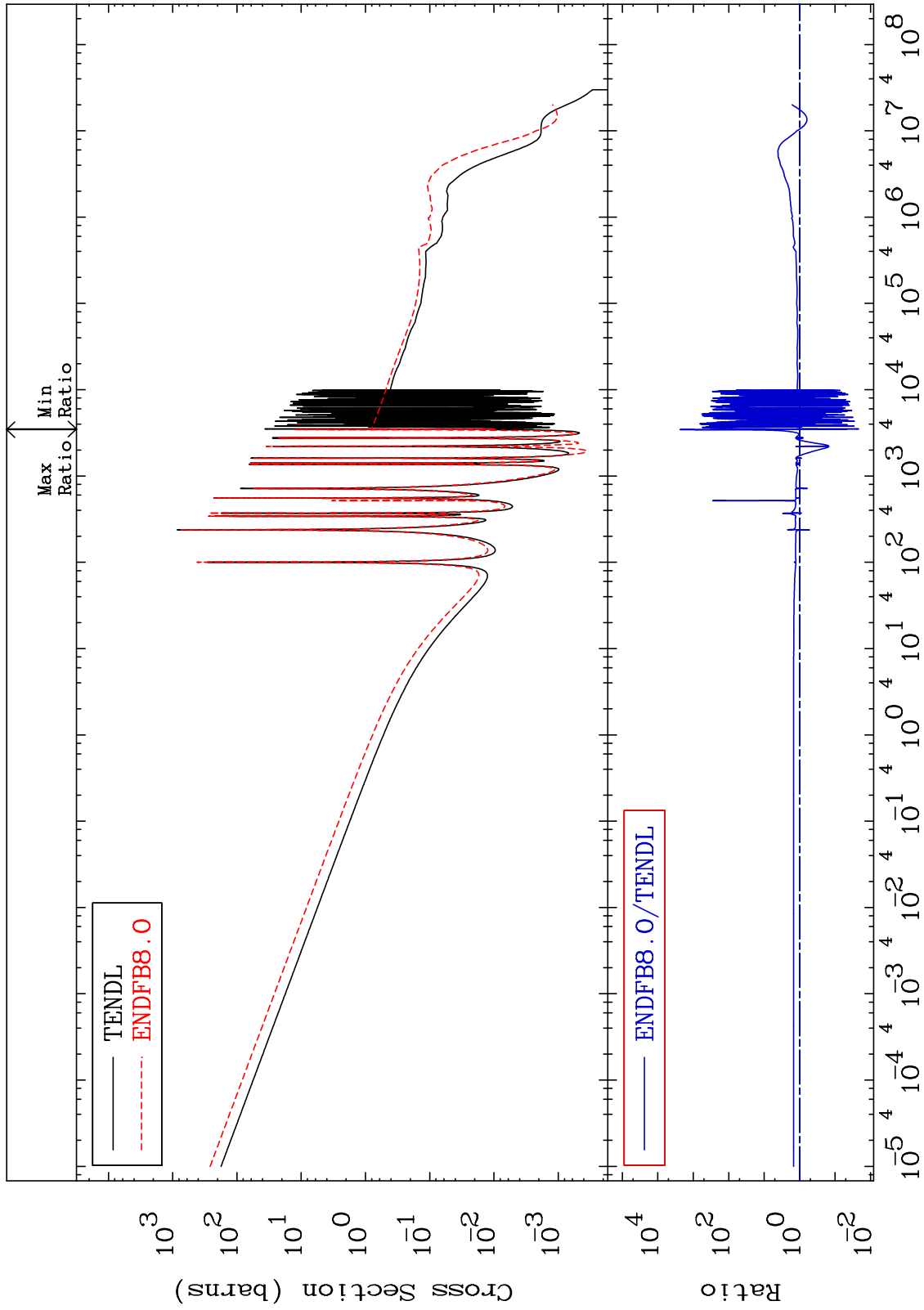
54-Xe-128
-84.54 To -2.149%



MAT 5437

(n, γ)
Cross Section

54-Xe-128
-97.80 To 9999. %



32

Incident Energy (eV)

54-Xe-128

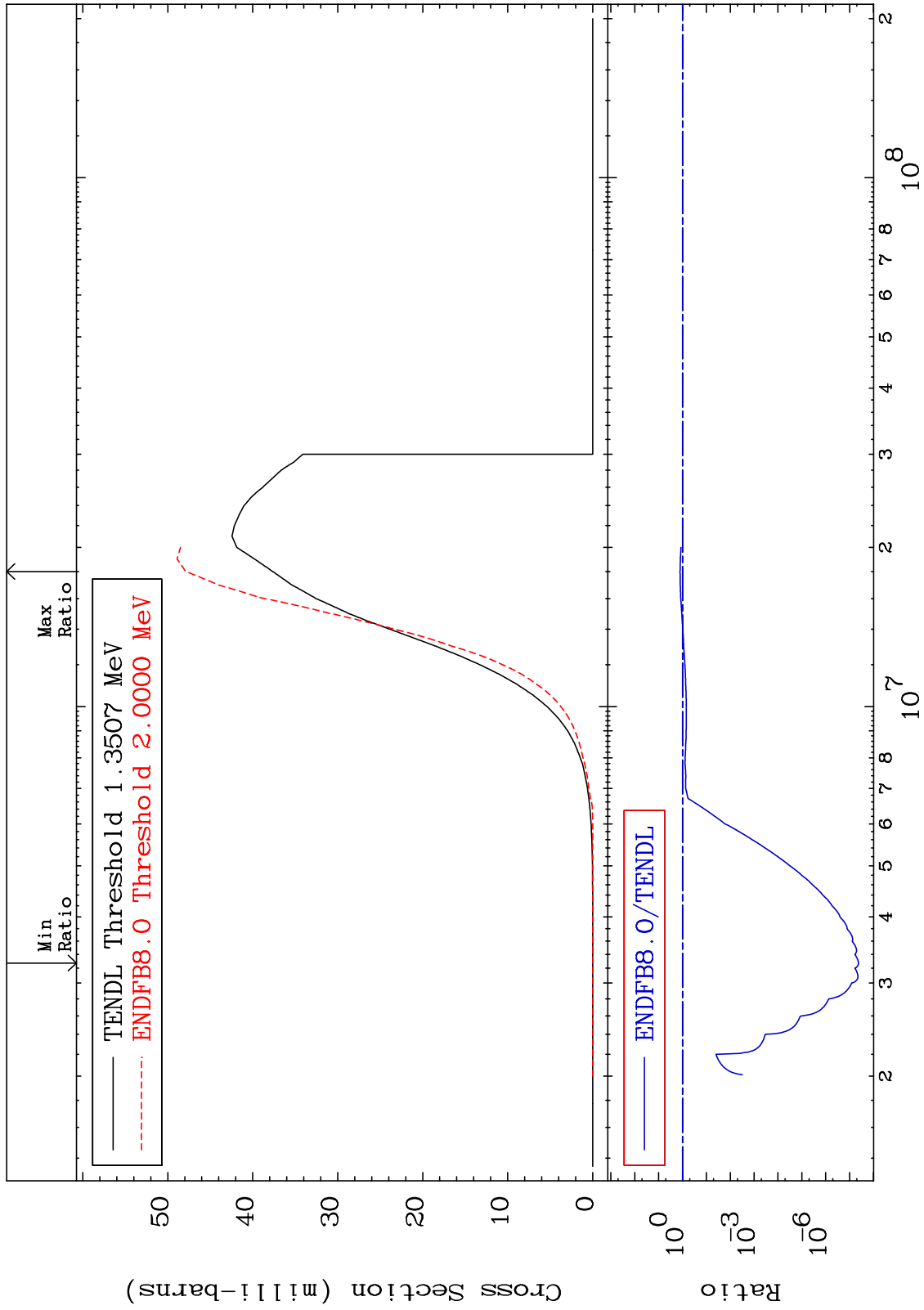
MAT 5437

(n, p)

54-Xe-128

Cross Section

-100.0 To 27.19 %



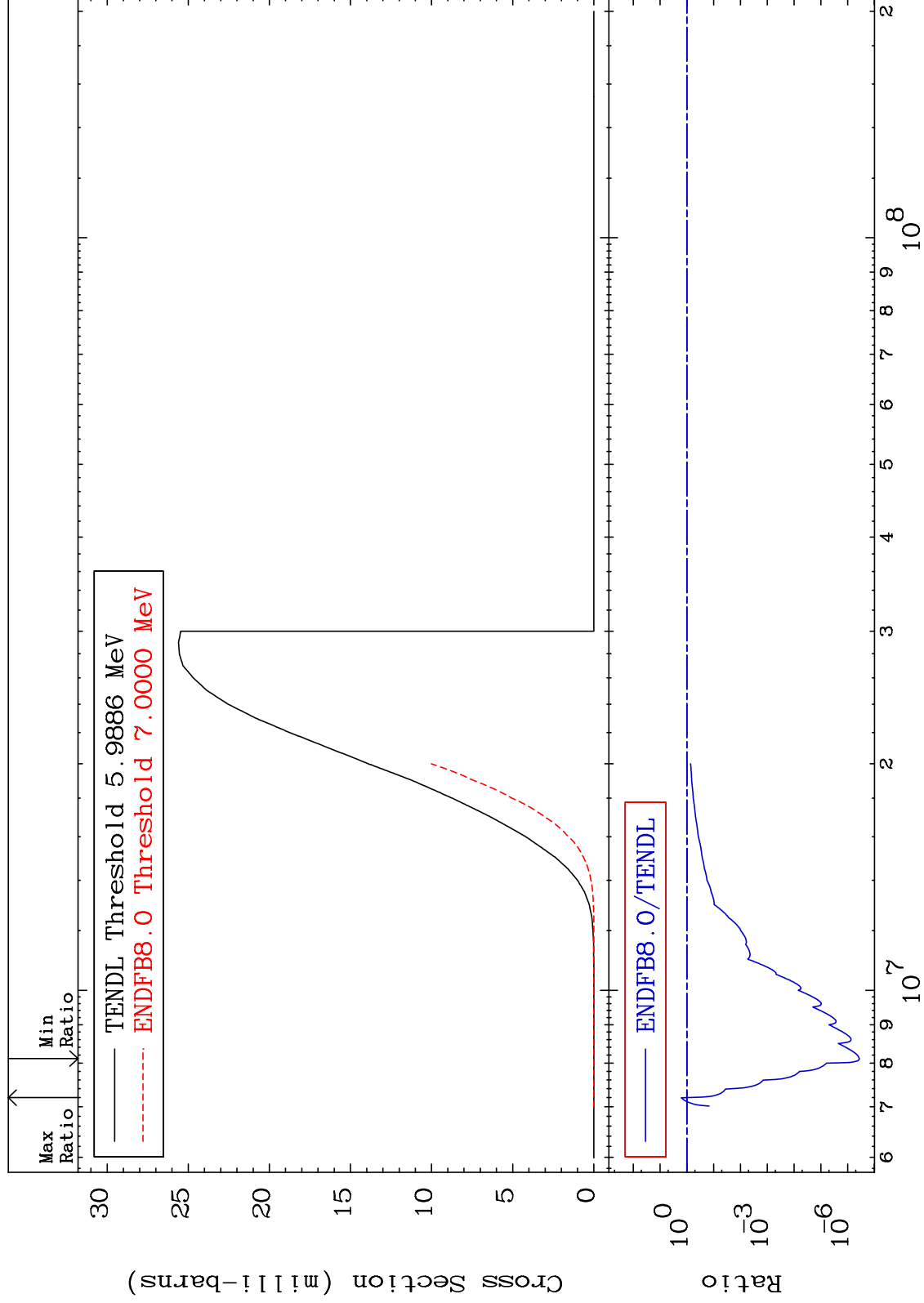
MAT 5437

(n, d)

54-Xe-128

Cross Section

-100.0 To 64.62 %



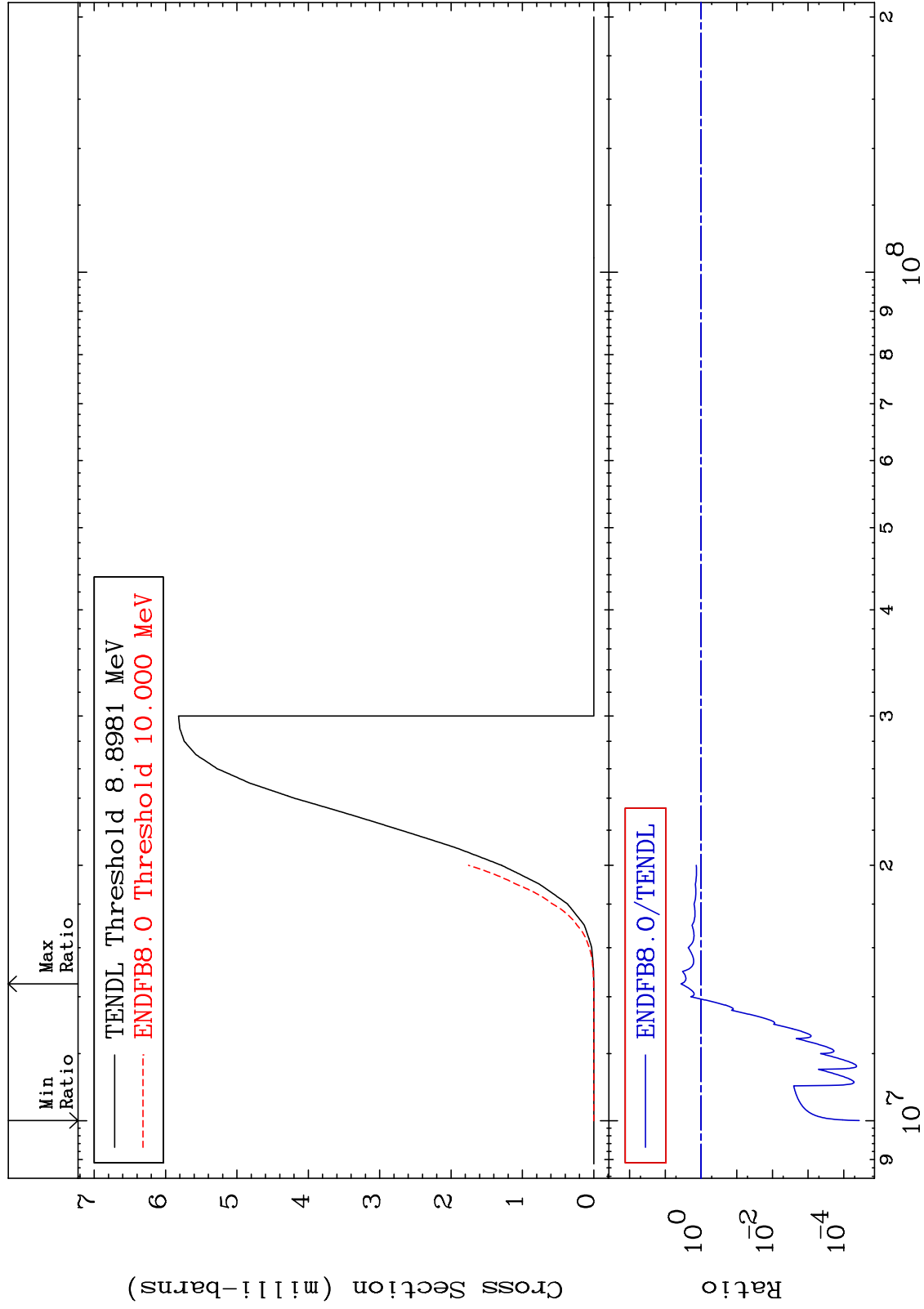
MAT 5437

(n, t)

54-Xe-128

Cross Section

-100.0 To 262.3 %



35

Incident Energy (eV)

54-Xe-128

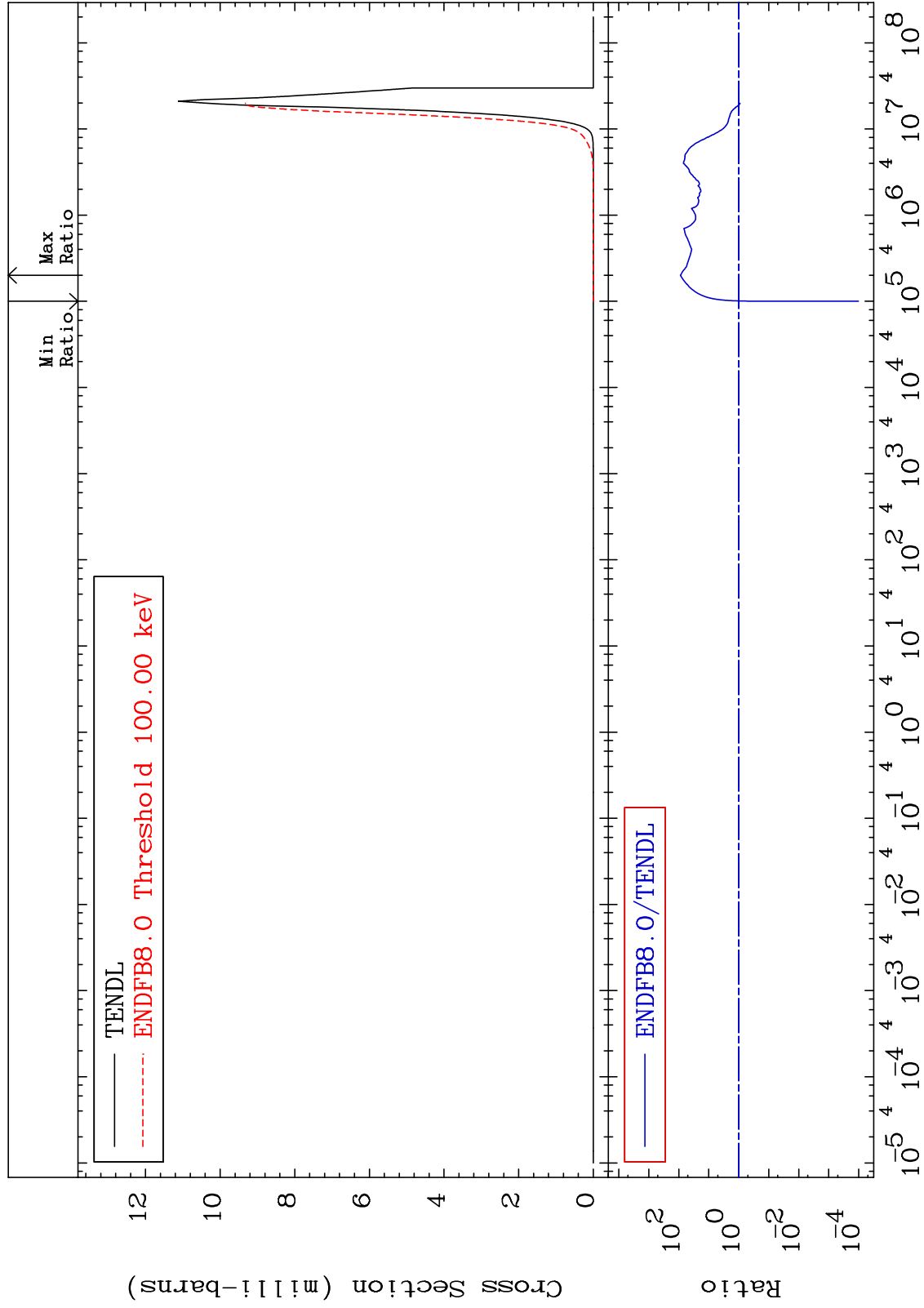
MAT 5437

(n, α)

54-Xe-128

Cross Section

-99.99 To 8701. %



36

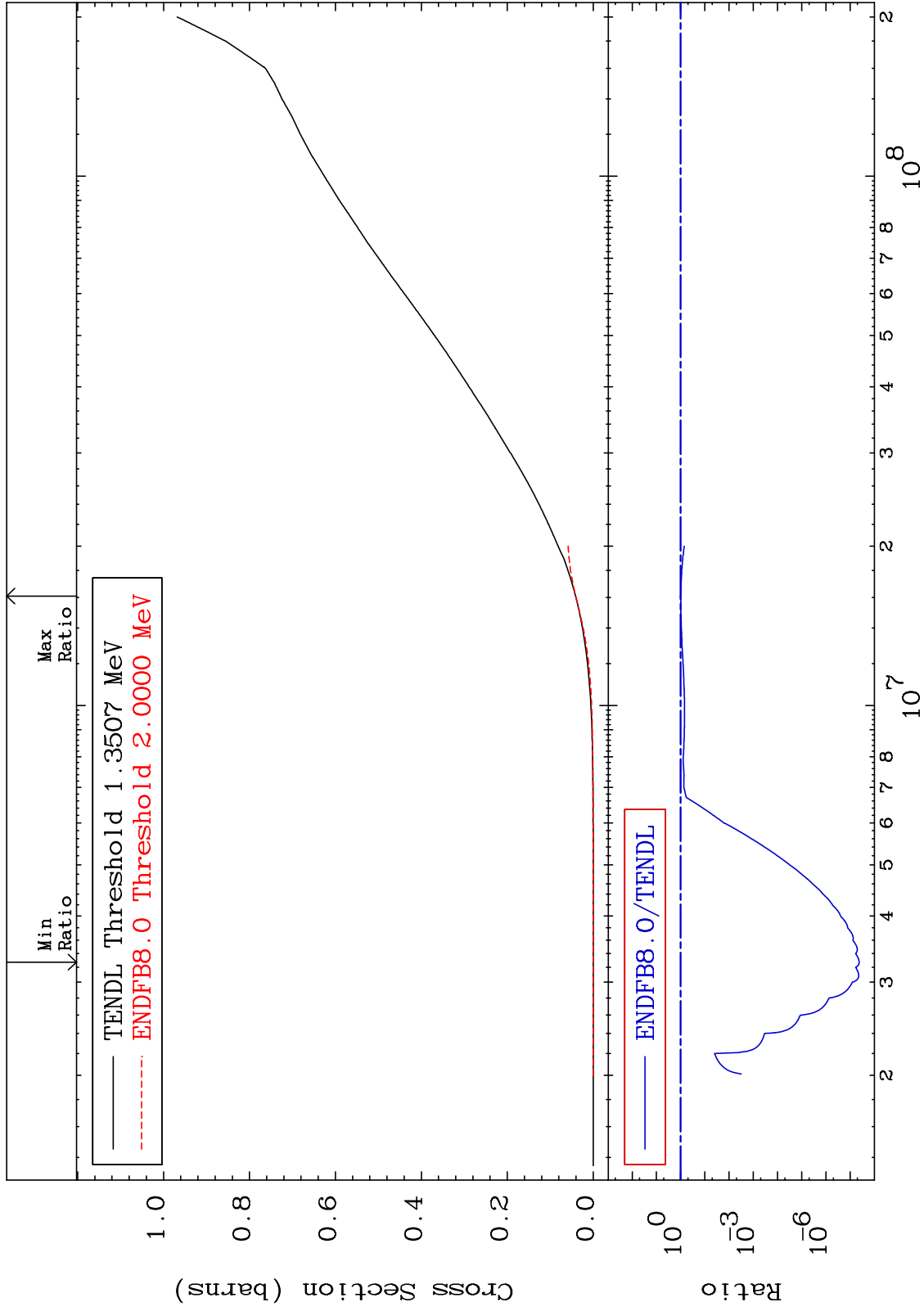
Incident Energy (eV)

54-Xe-128

MAT 5437

Hydrogen Production
Cross Section

54-Xe-128
-100.0 To 0.279 %



37

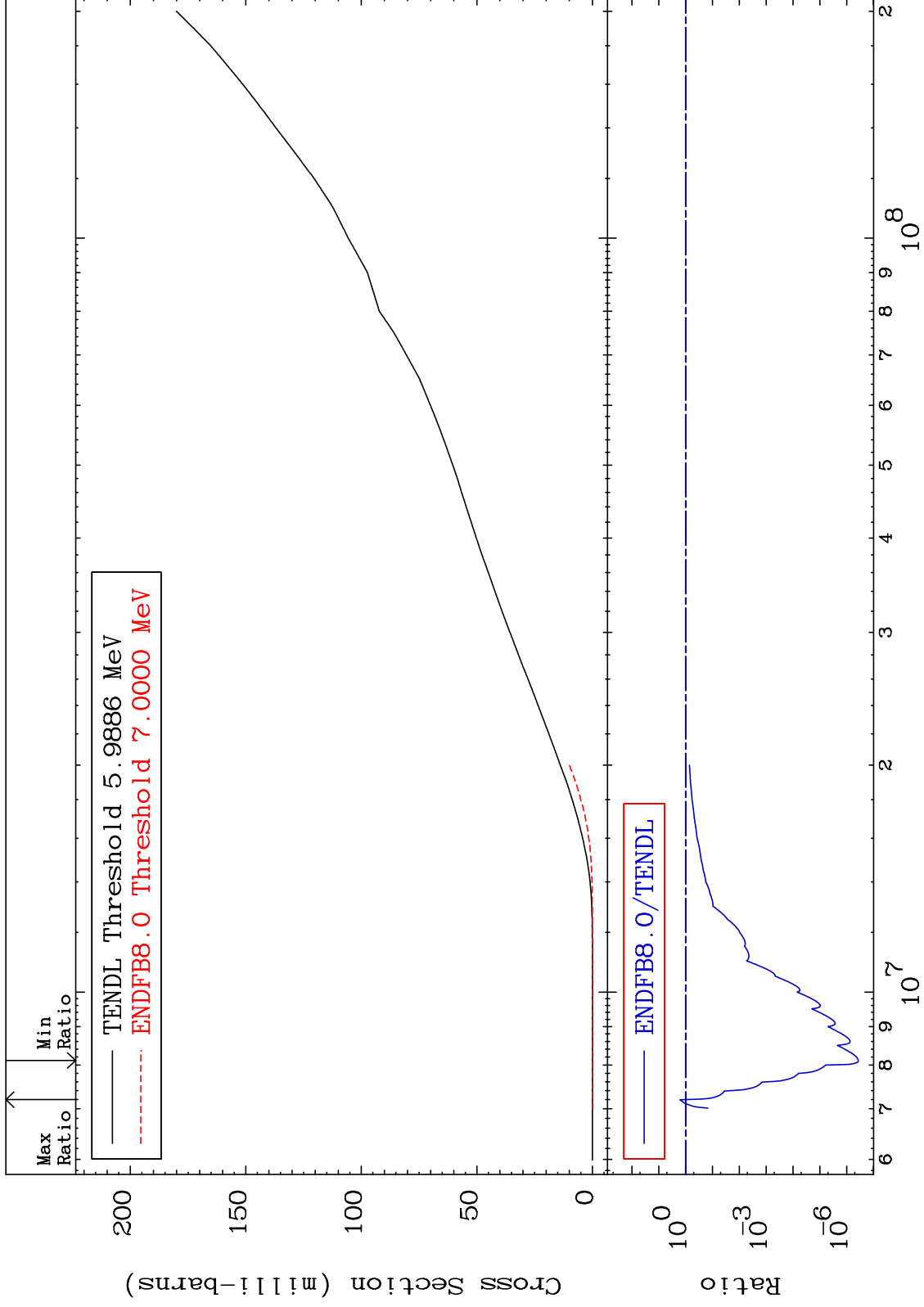
Incident Energy (eV)

54-Xe-128

MAT 5437

Deuterium Production
Cross Section

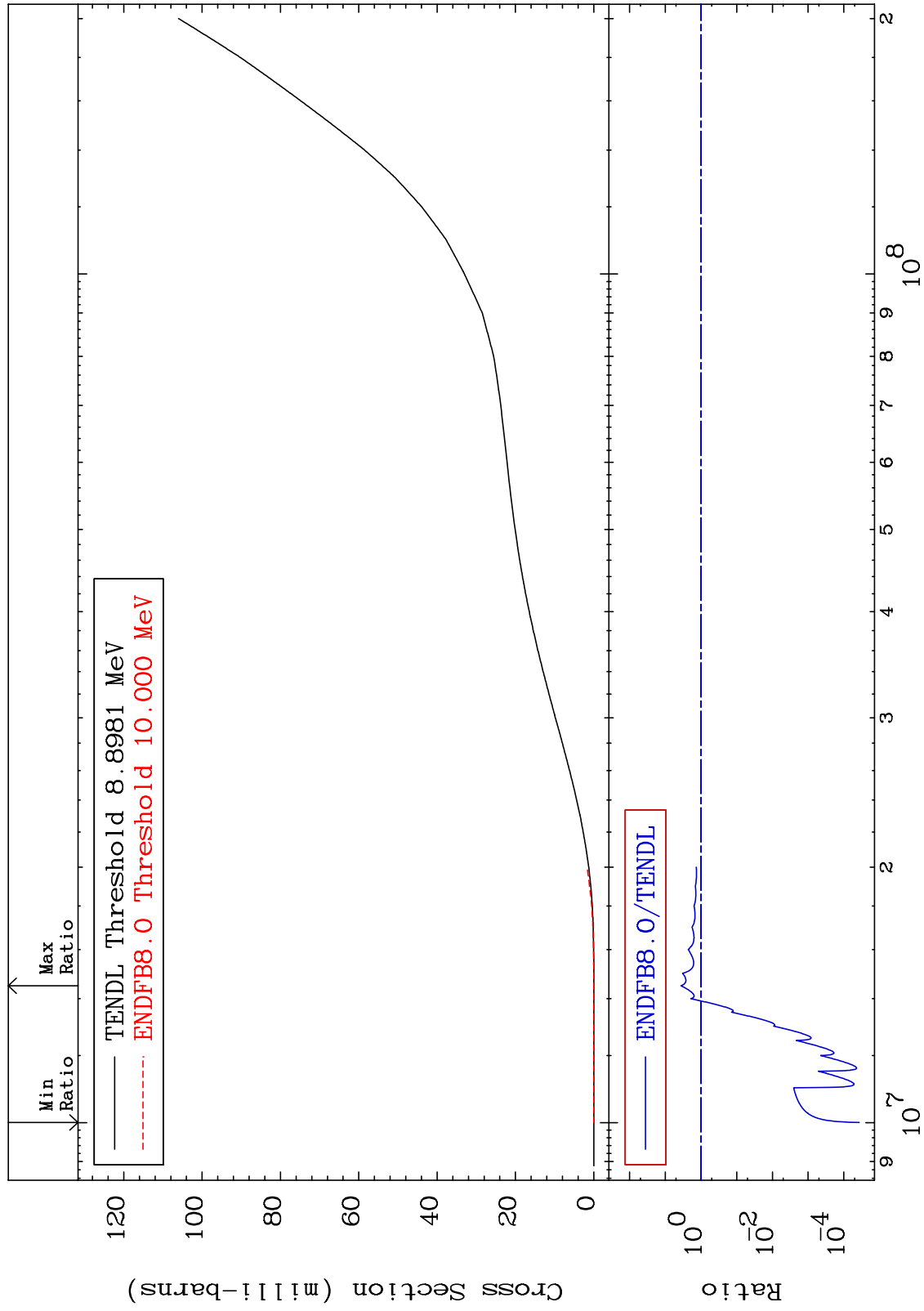
54-Xe-128
-100.0 To 64.62 %



MAT 5437

Tritium Production
Cross Section

54-Xe-128
-100.0 To 262.3 %



39

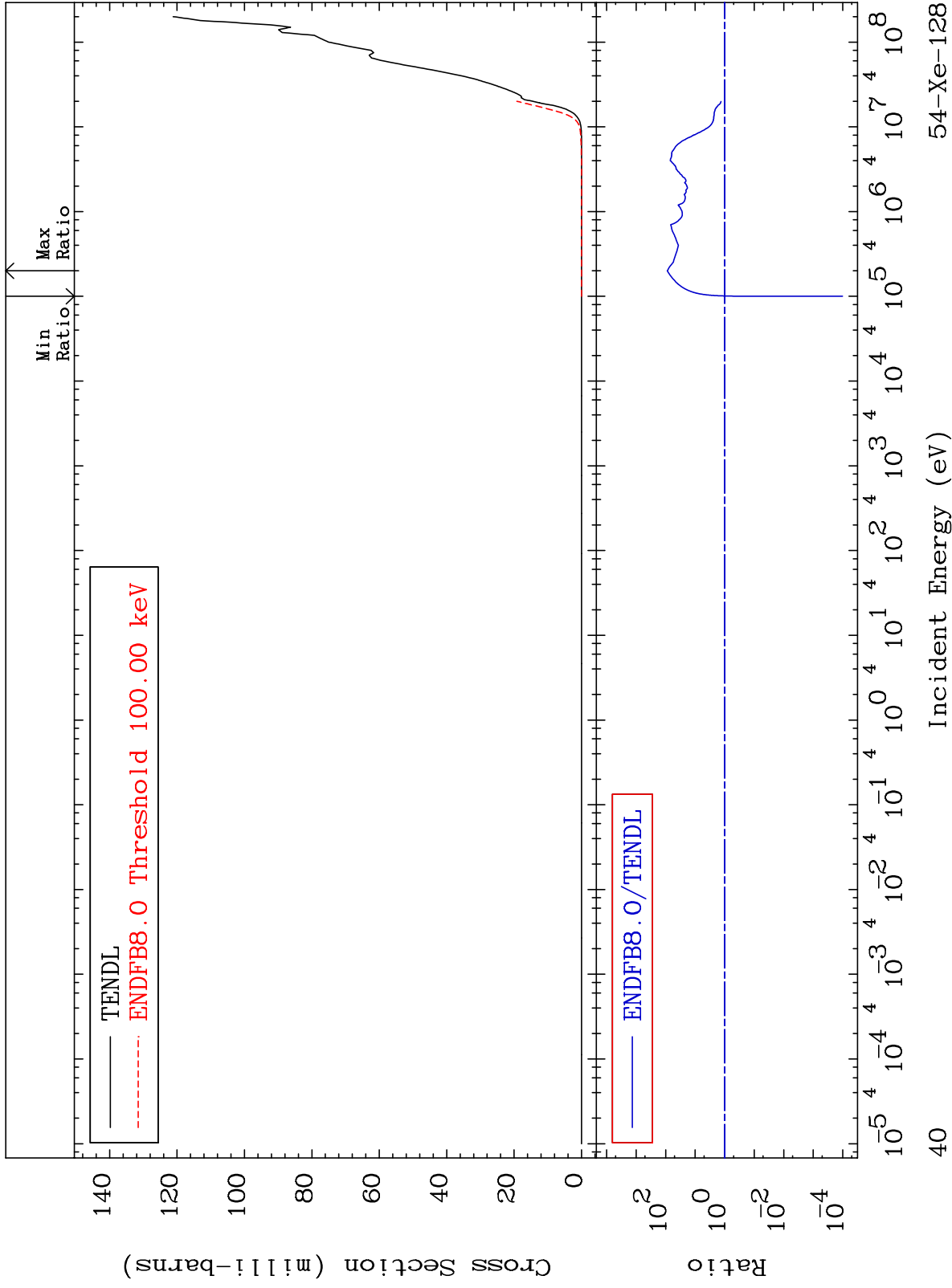
Incident Energy (eV)

54-Xe-128

MAT 5437

He-4 Production
Cross Section

54-Xe-128
-99.99 To 8701. %



54-Xe-128

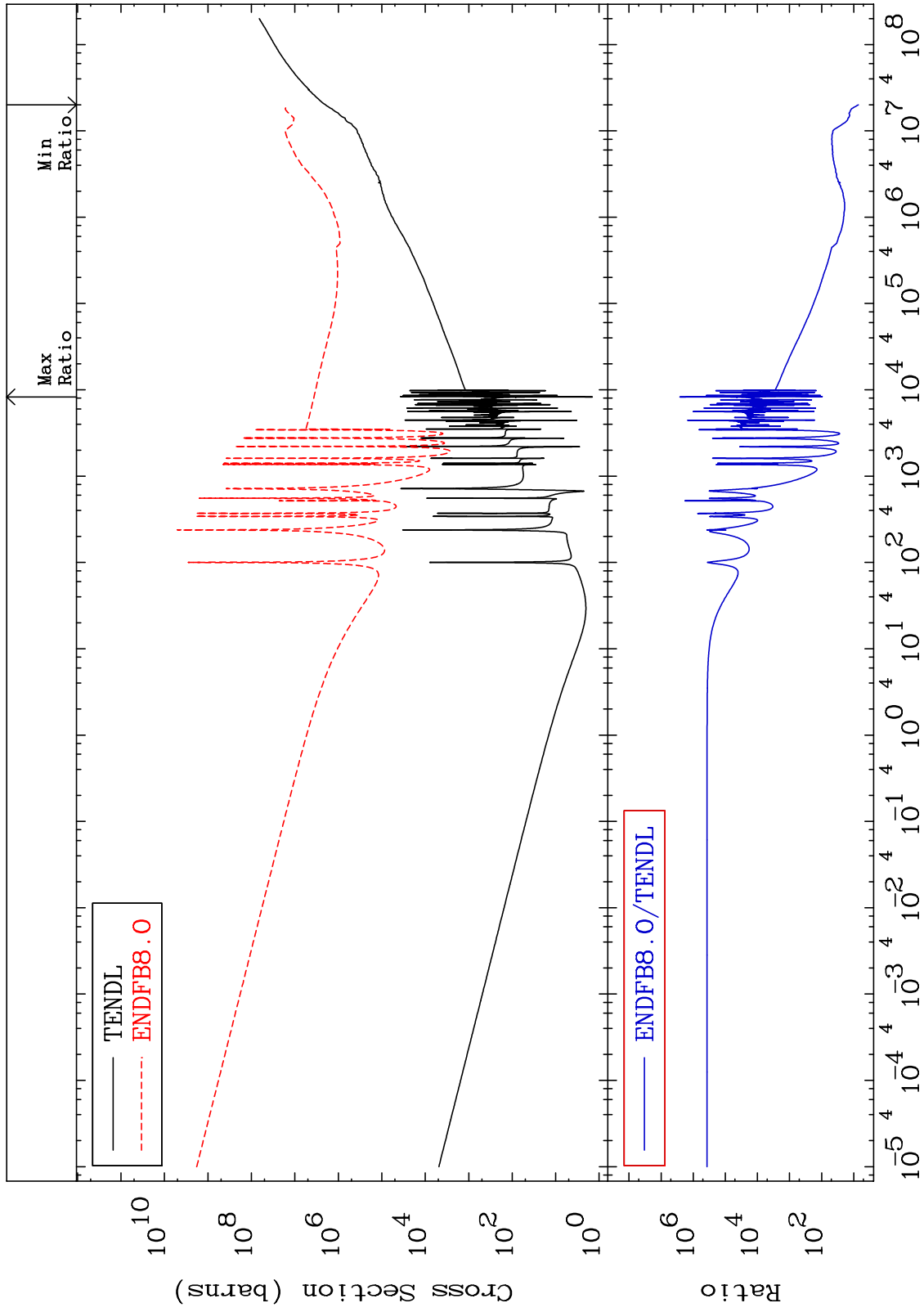
Incident Energy (eV)

40

MAT 5437

Kerma total (eV-barns)
Cross Section

54-Xe-128
615.2 To 9999. %



41

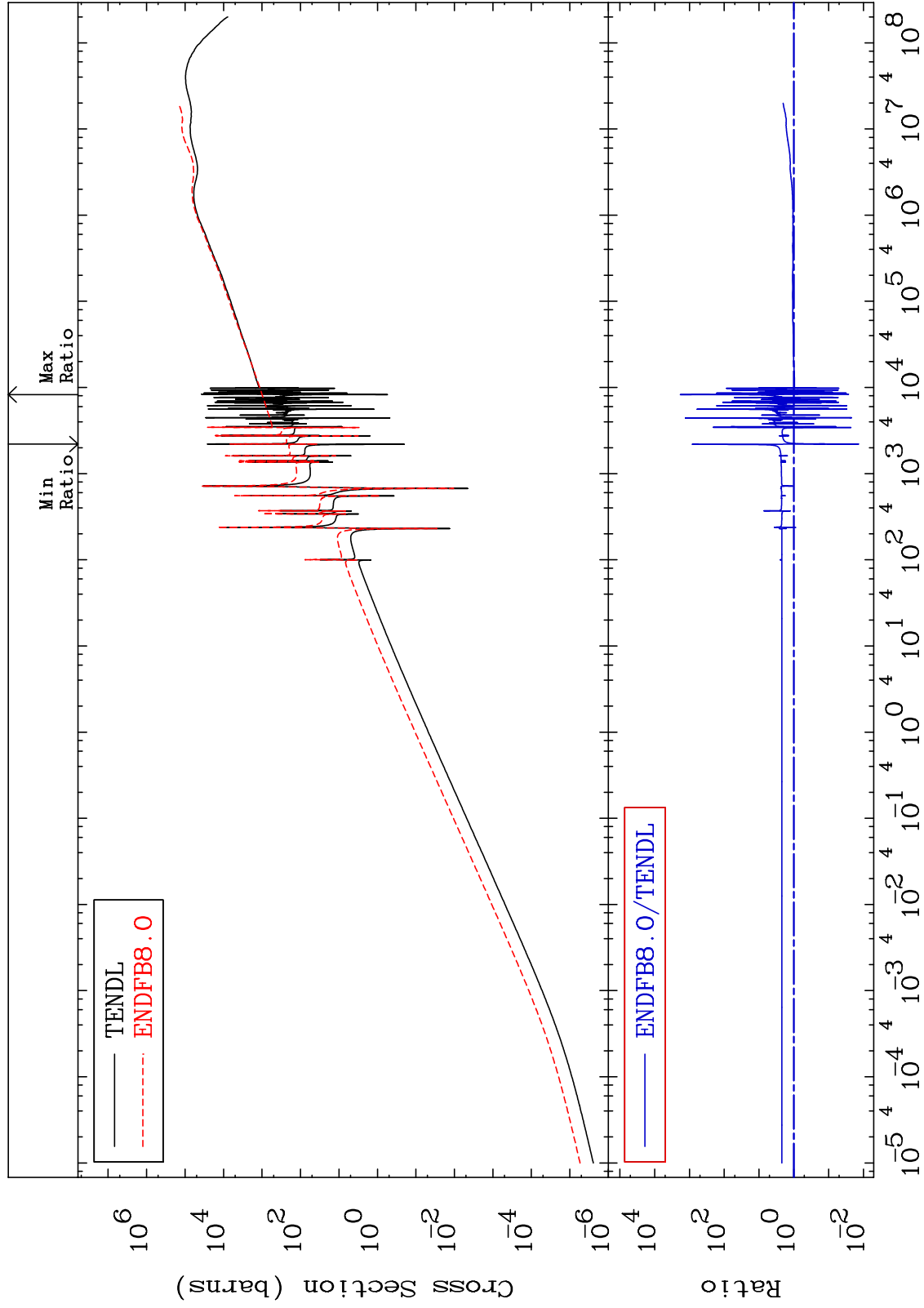
Incident Energy (eV)

54-Xe-128

MAT 5437

Kerma elastic
Cross Section

54-Xe-128
-98.62 To 9999. %



42

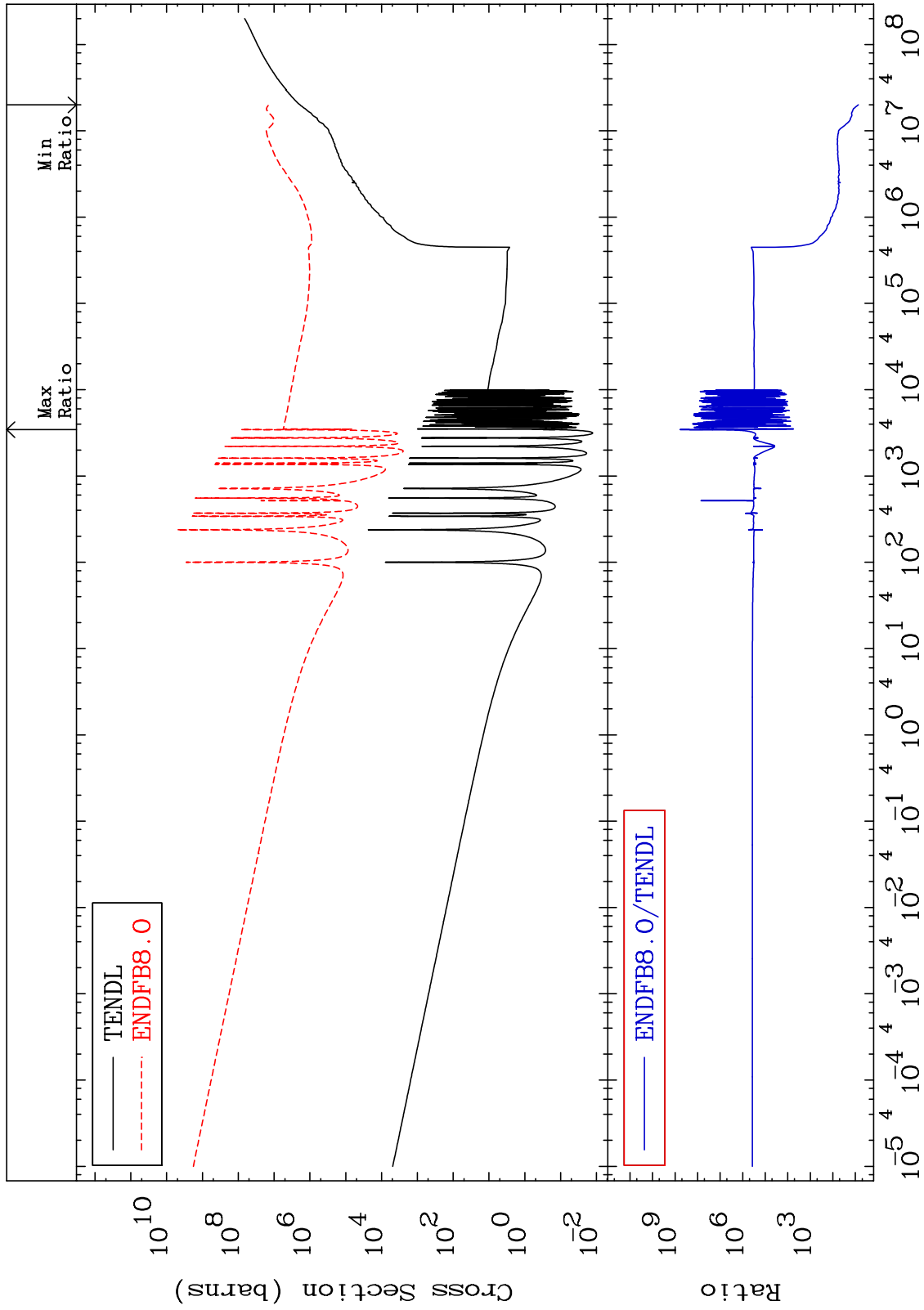
Incident Energy (eV)

54-Xe-128

MAT 5437

Kerma non-elastic (all but mt2)
Cross Section

54-Xe-128
635.0 To 9999. %



43

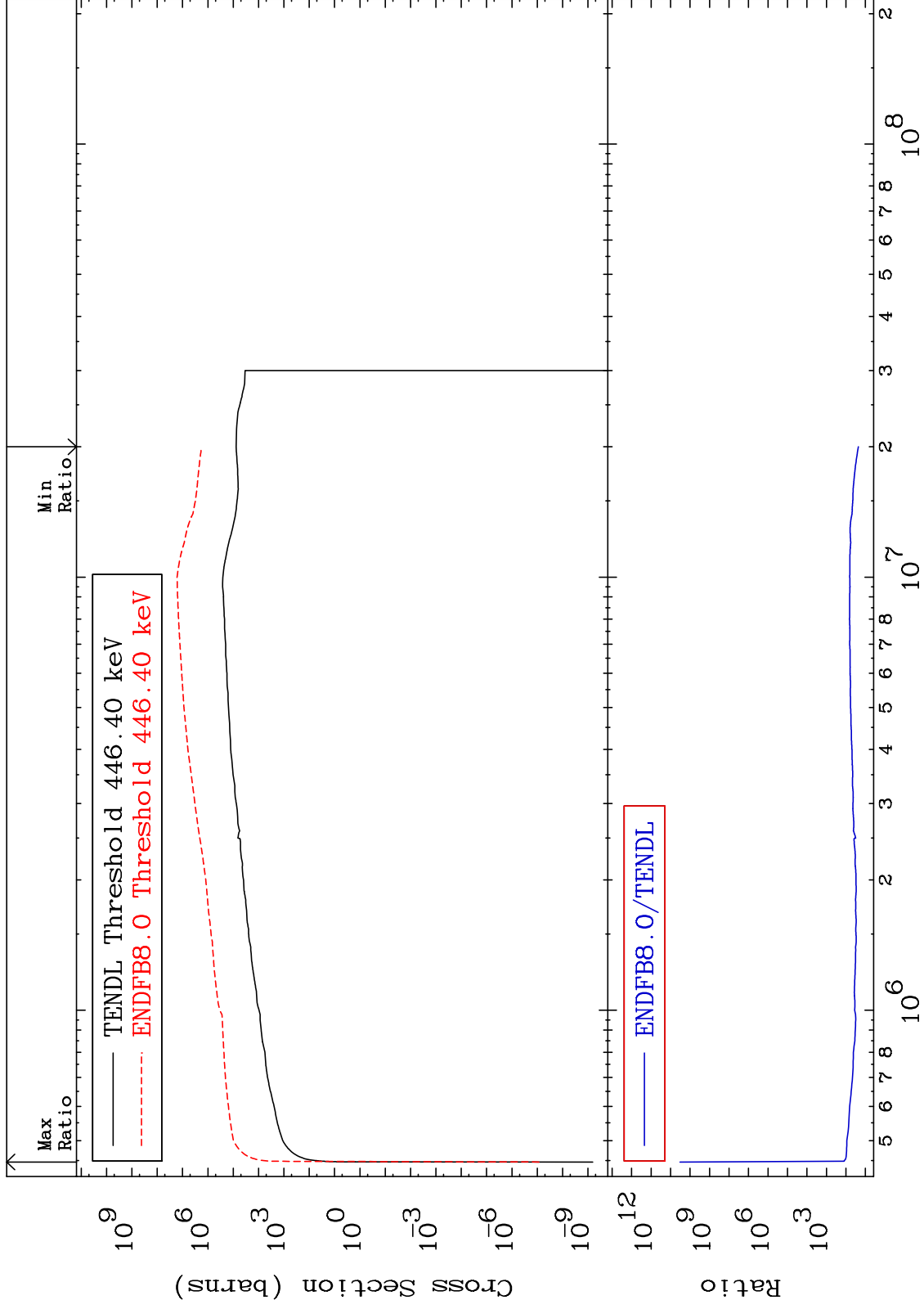
Incident Energy (eV)

54-Xe-128

MAT 5437

Kerma inelastic (mt51-91)
Cross Section

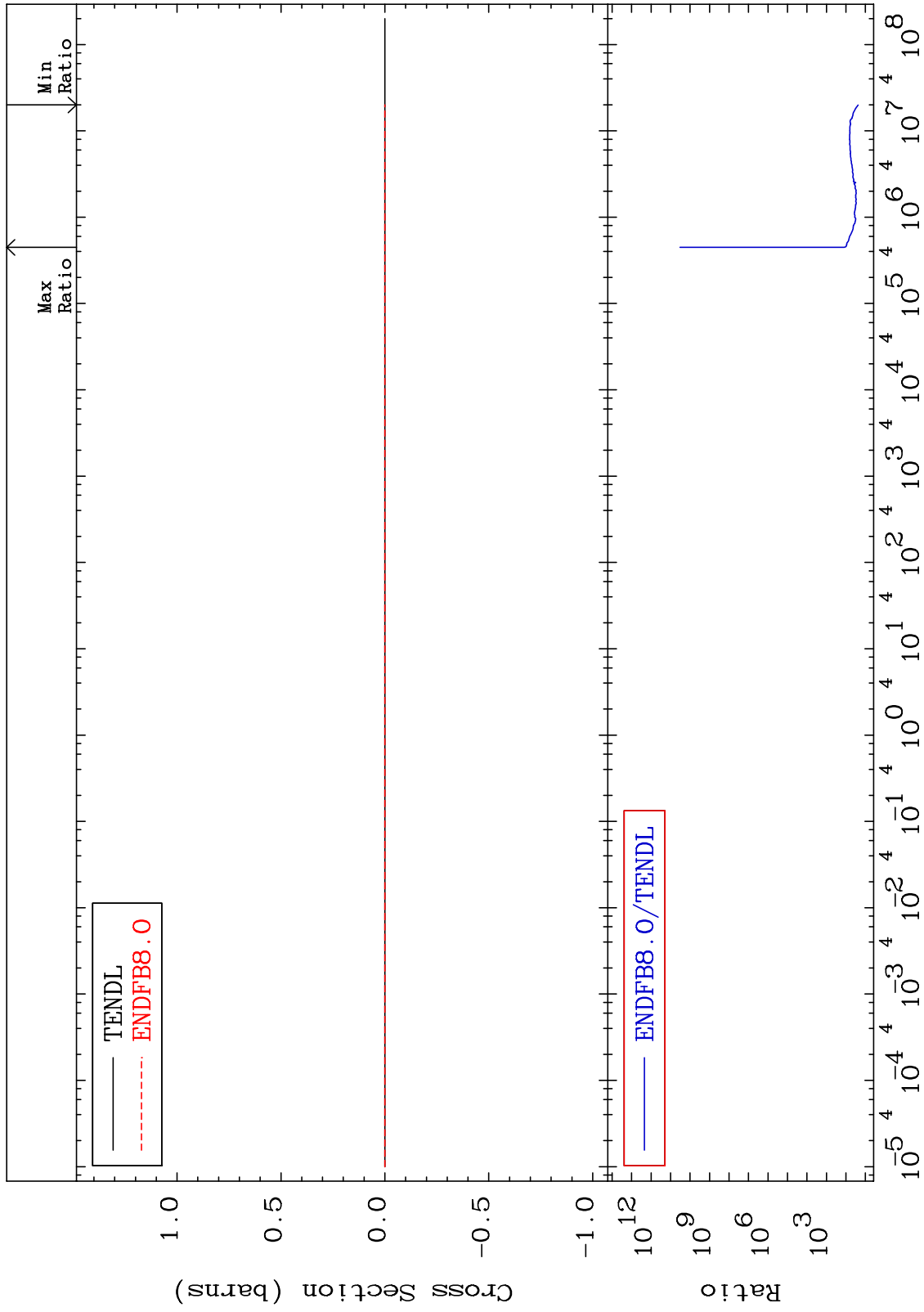
54-Xe-128
2181. To 9999. %



MAT 5437

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

54-Xe-128
2181. To 9999. %



45

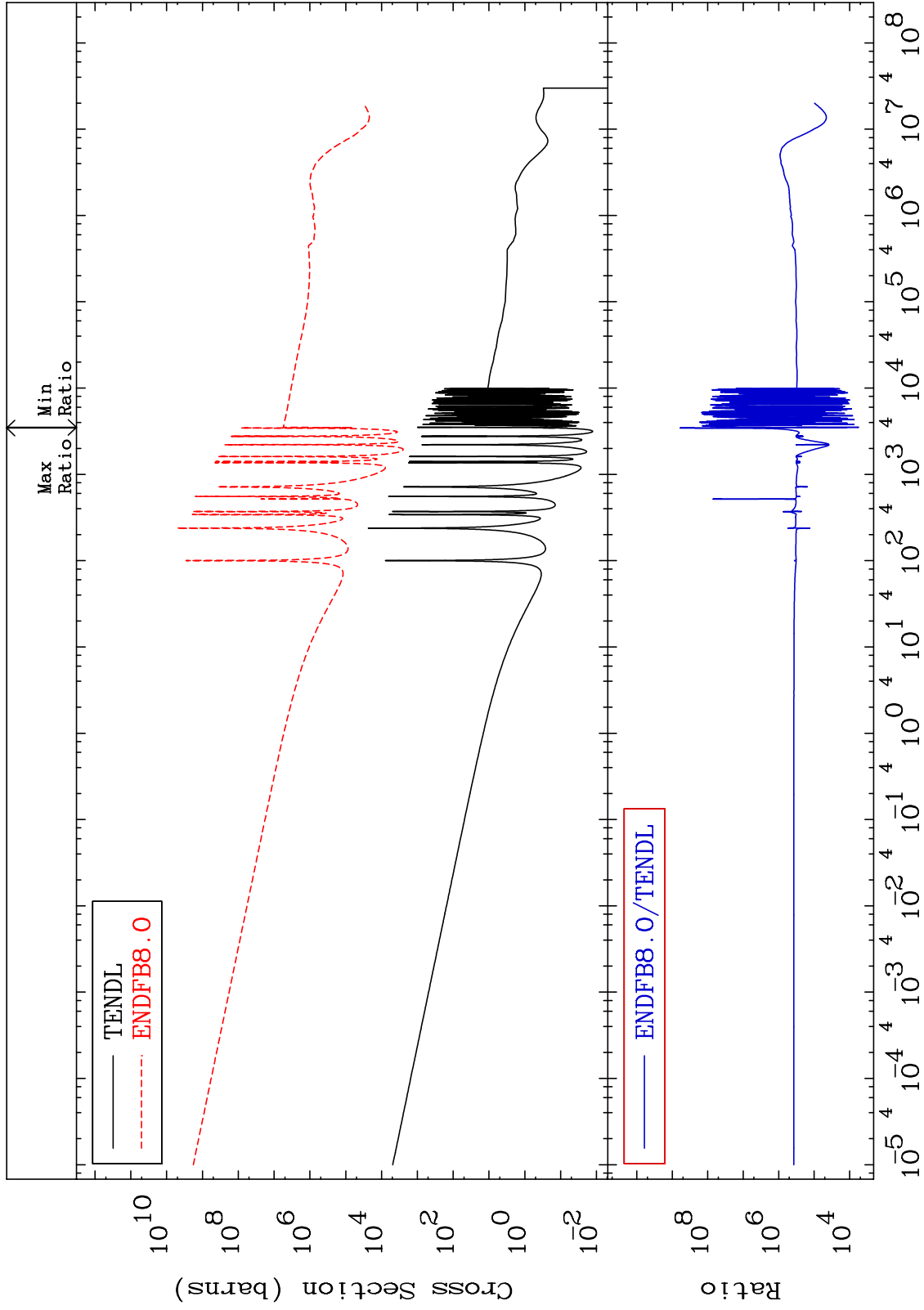
Incident Energy (eV)

54-Xe-128

MAT 5437

Kerma capture (mt102)
Cross Section

54-Xe-128
9999. To 9999. %



46

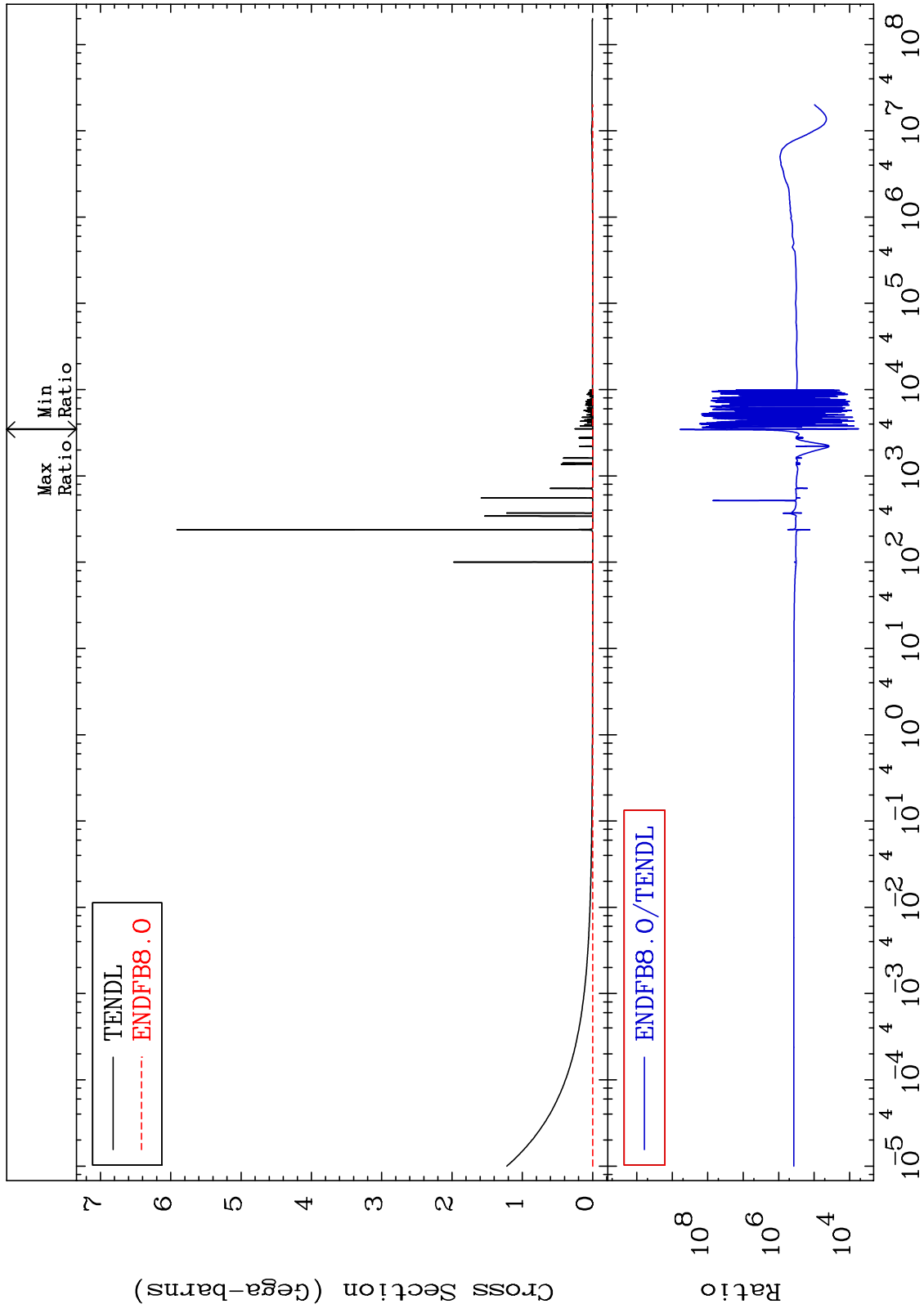
Incident Energy (eV)

54-Xe-128

MAT 5437

Total photon (eV-barns)
Cross Section

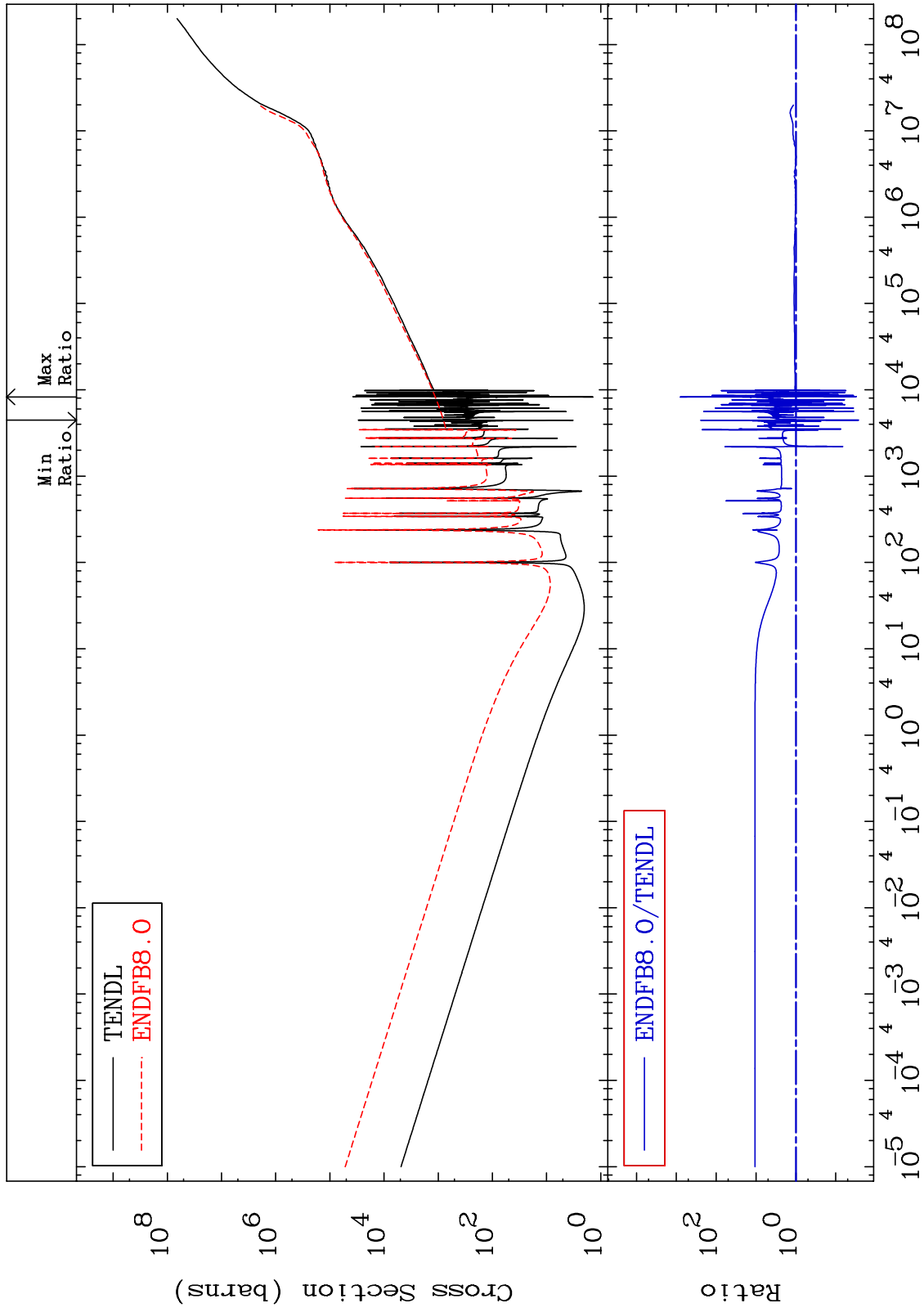
54-Xe-128
9999. To 9999. %



MAT 5437

Total kinematic kerma (high limit)
Cross Section

54-Xe-128
-97.30 To 9999. %



48

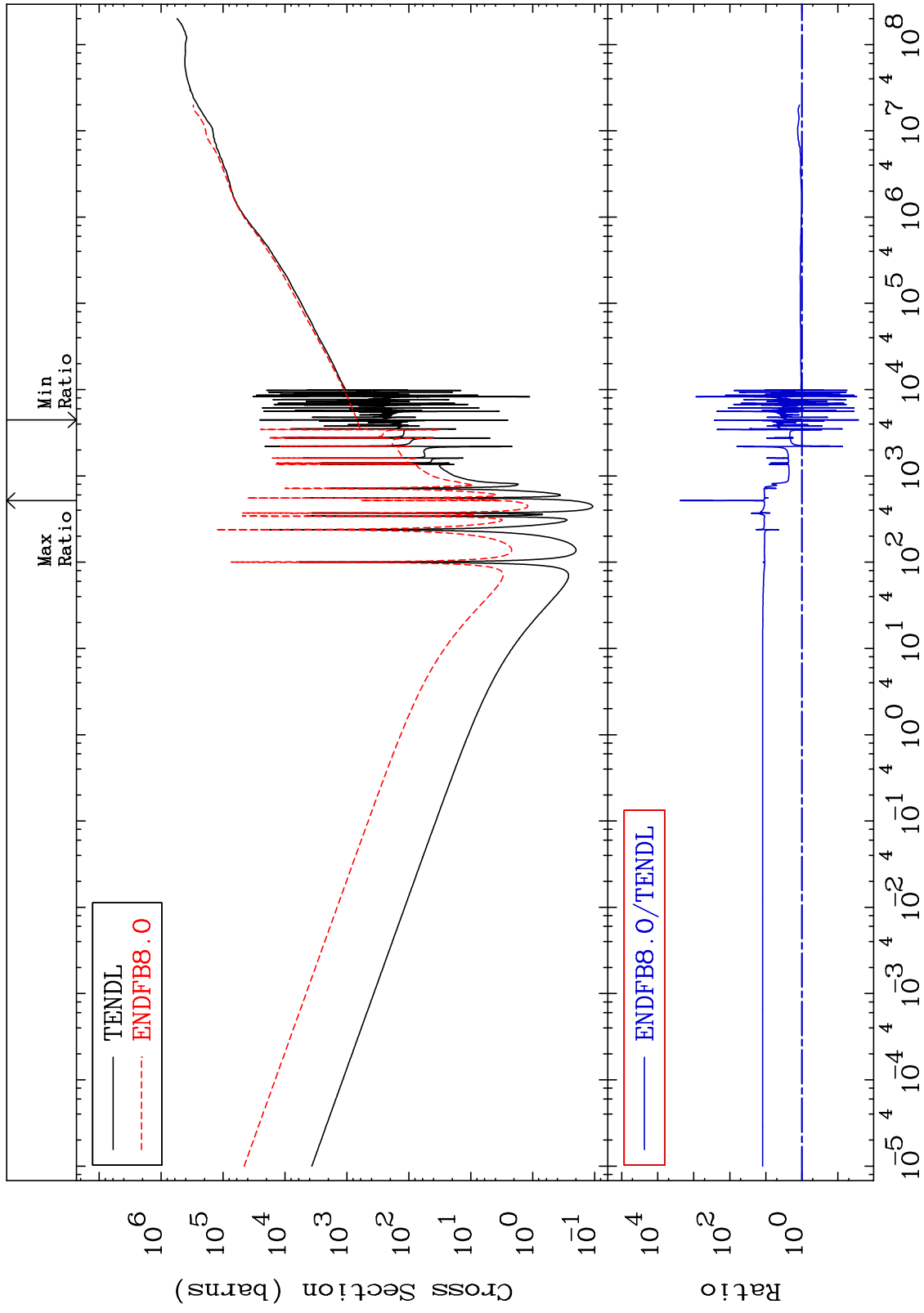
Incident Energy (eV)

54-Xe-128

MAT 5437

Dpa total (eV-barns)
Cross Section

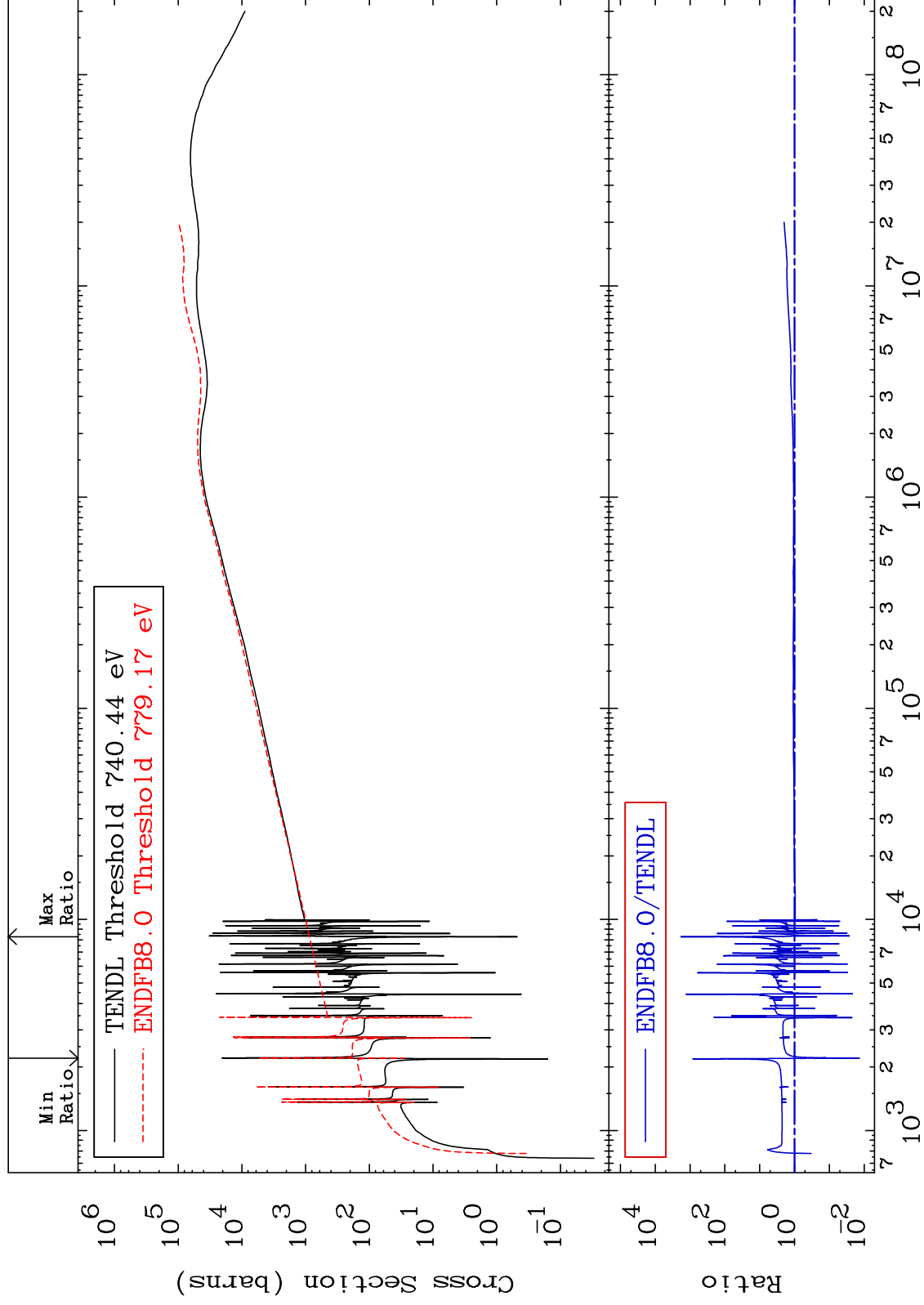
54-Xe-128
-97.29 To 9999. %



MAT 5437

Dpa elastic (mt2)
Cross Section

54-Xe-128
-98.62 To 9999. %



50

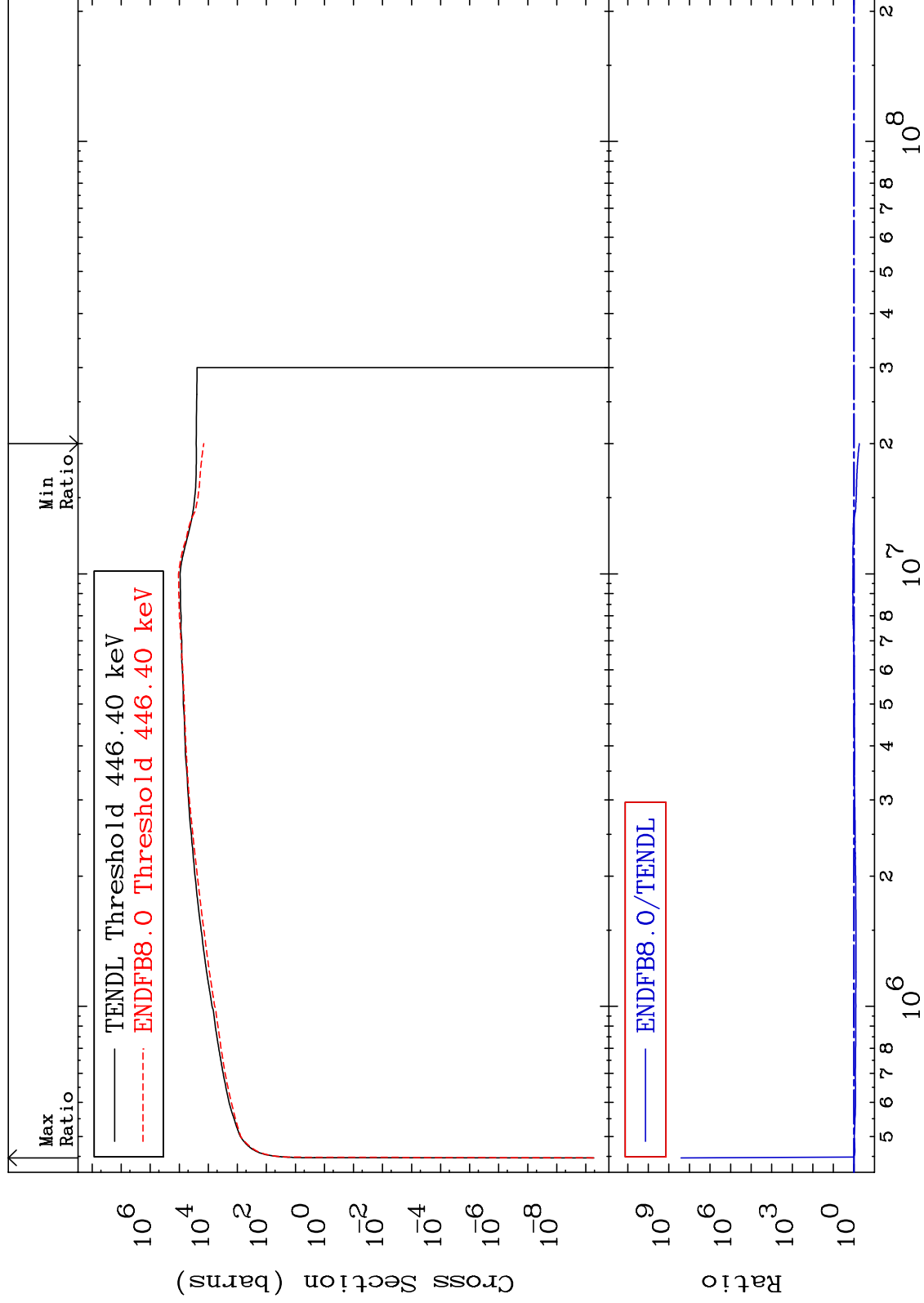
Incident Energy (eV)

54-Xe-128

MAT 5437

Dpa inelastic (mt51-91)
Cross Section

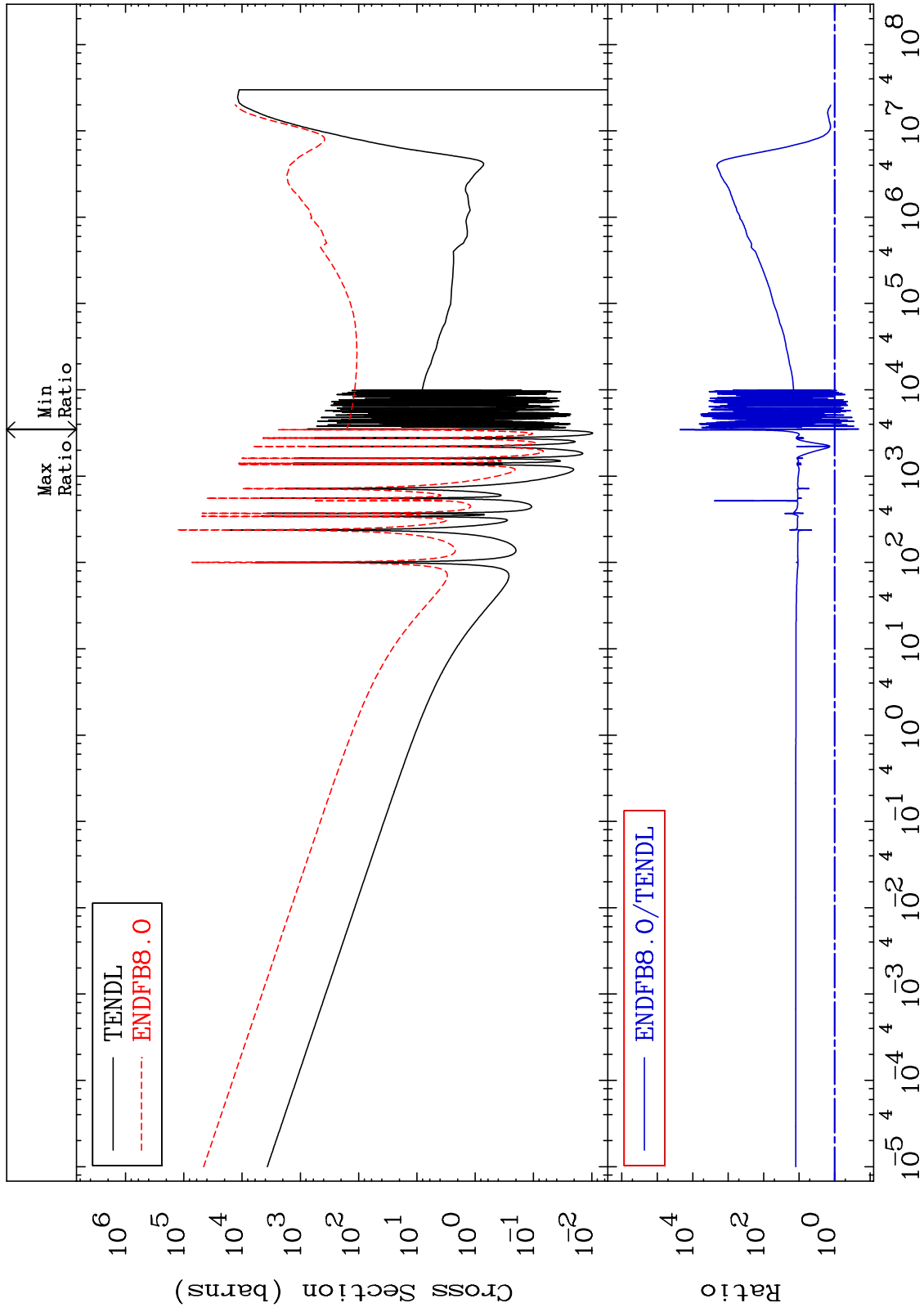
54-Xe-128
-44.83 To 9999. %



MAT 5437

Dpa disappearance (mt102 -120)
Cross Section

54-Xe-128
-78.69 To 9999. %



52

Incident Energy (eV)

54-Xe-128