

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

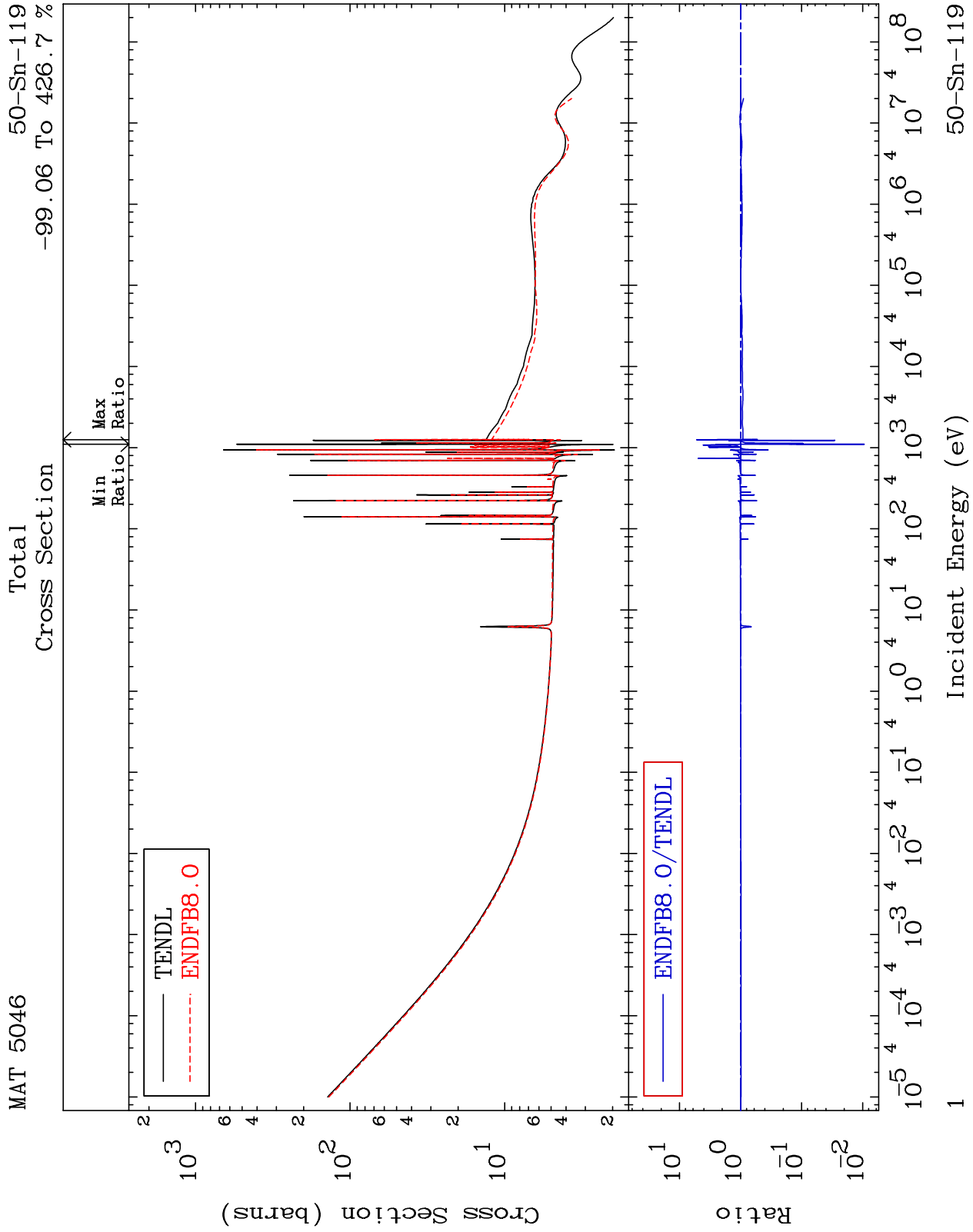
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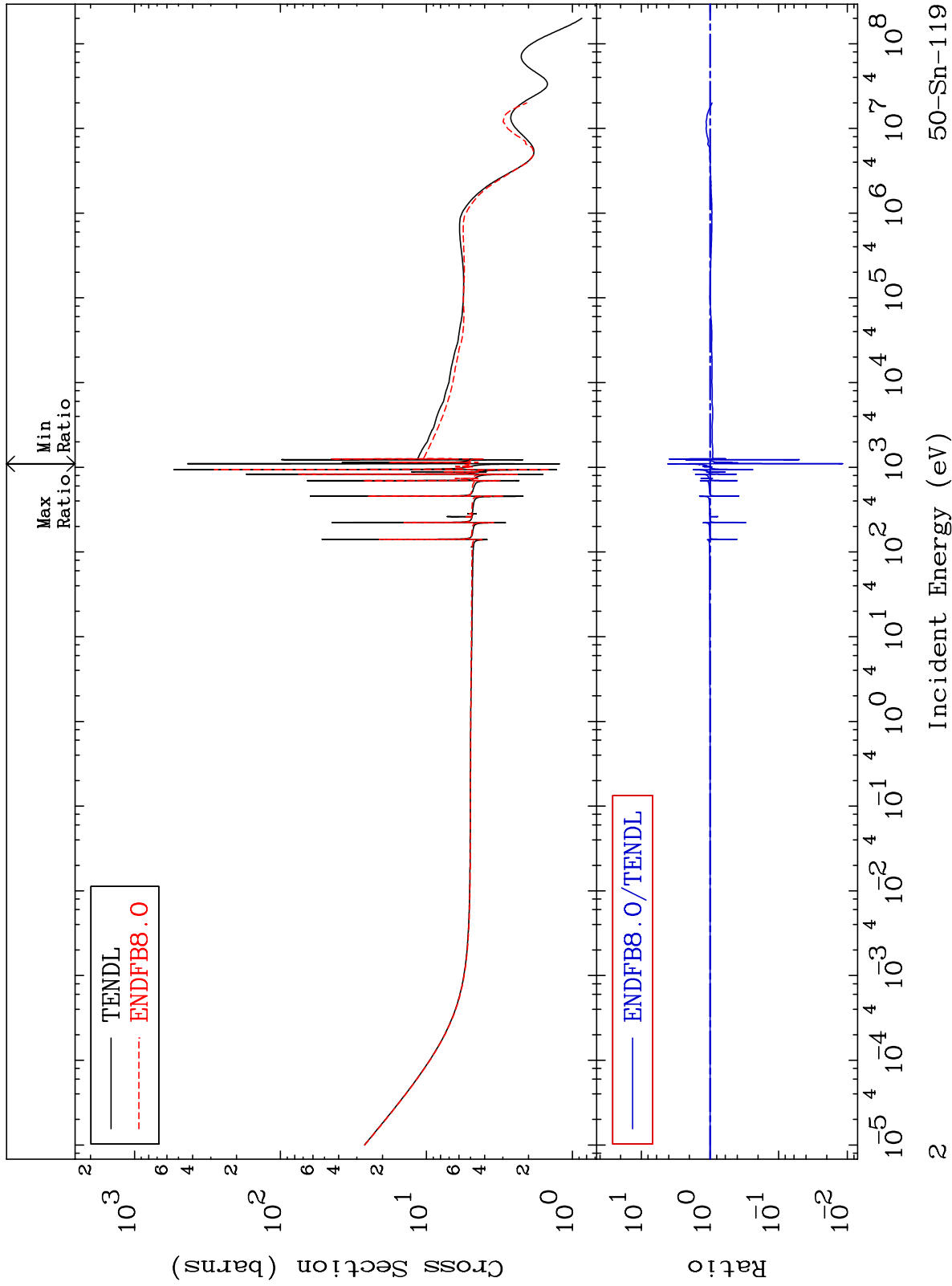
Press Mouse Button to Start



MAT 5046

Elastic
Cross Section

50-Sn-119
-98.83 To 315.4 %

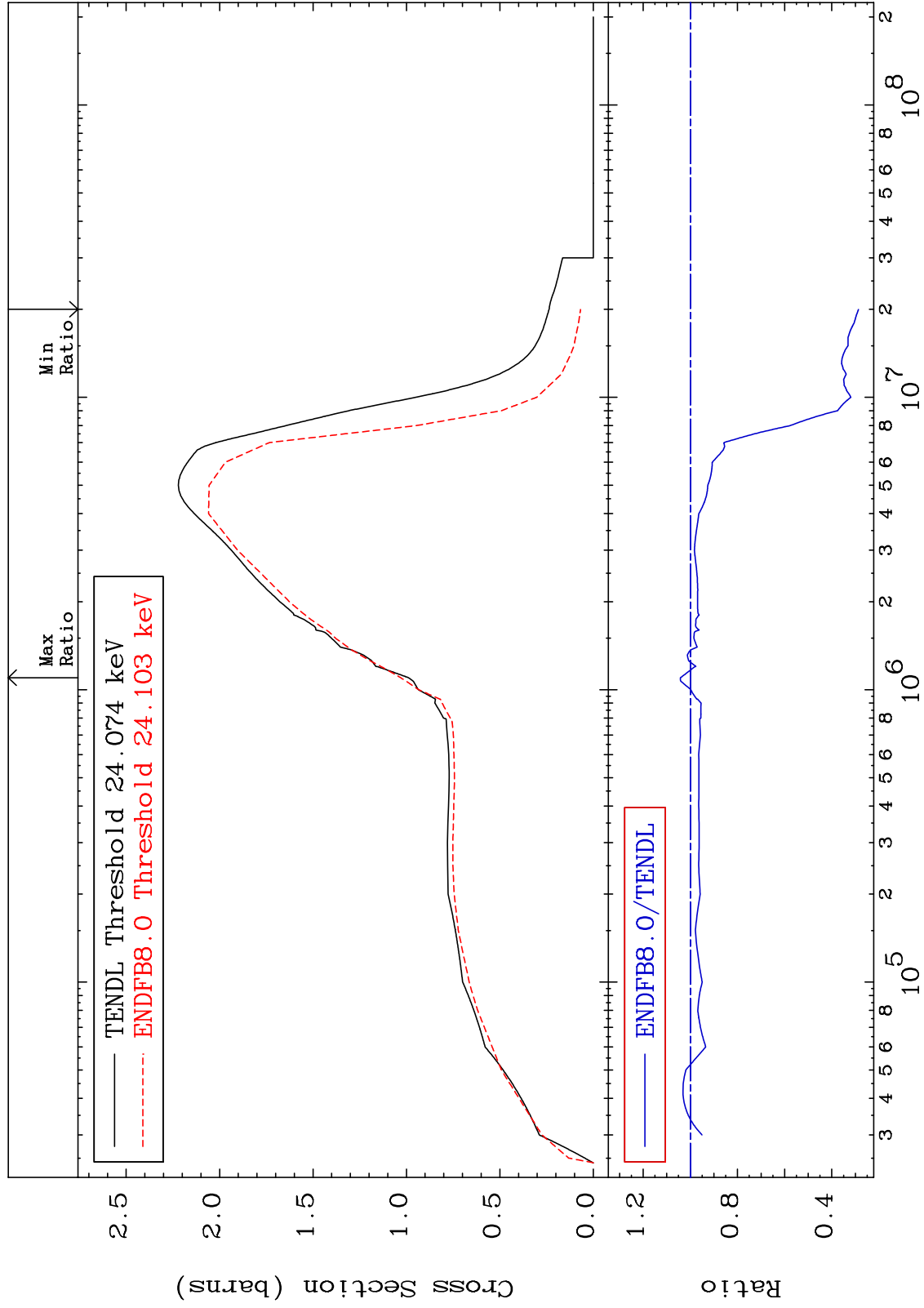


50-Sn-119

Incident Energy (eV)

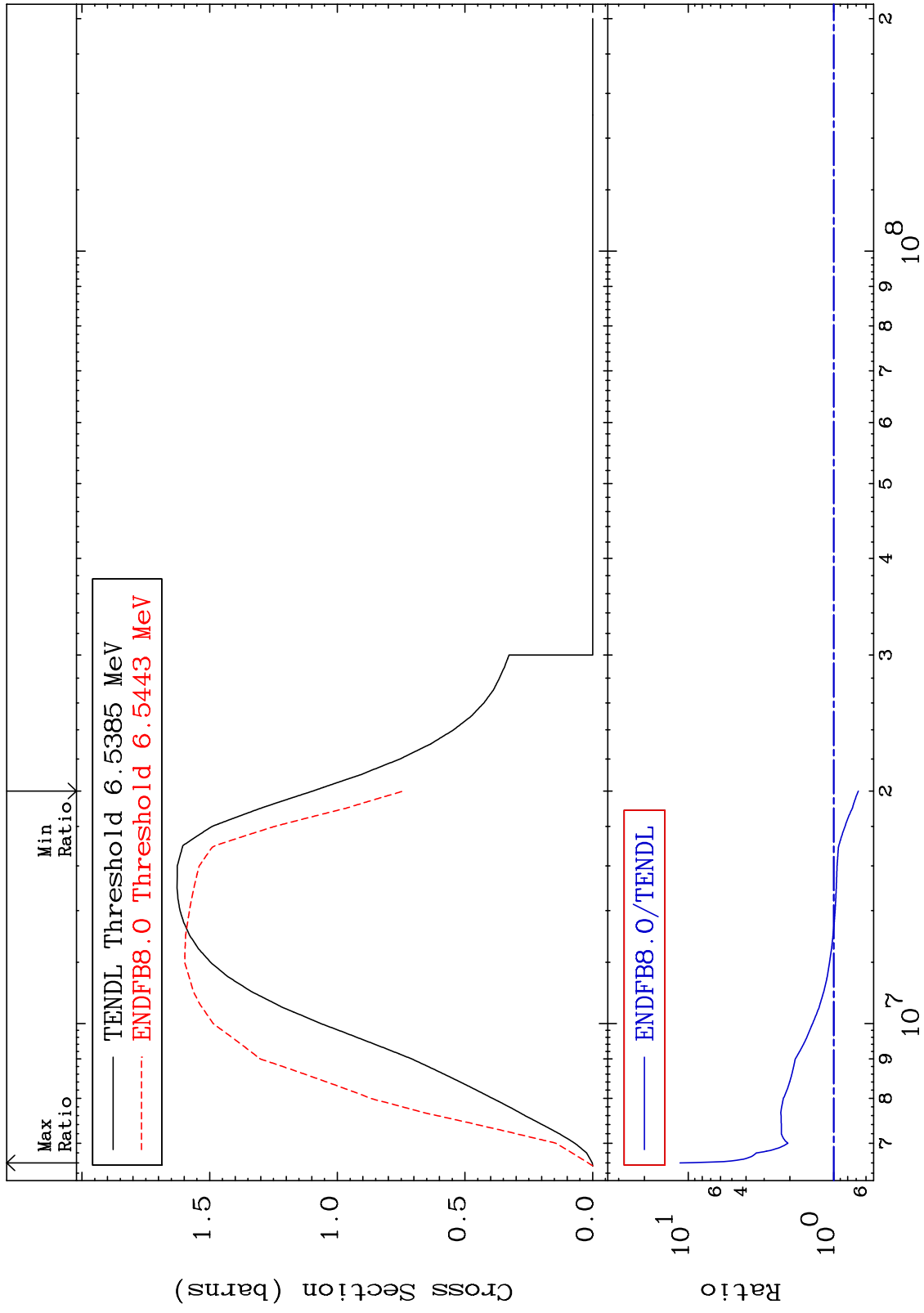
MAT 5046

Inelastic Cross Section
50-Sn-119
-71.34 To 4.183 %



3 Incident Energy (eV) 50-Sn-119

MAT 5046 (n,2n) Cross Section 50-Sn-119 -32.42 To 1038. %



MAT 5046

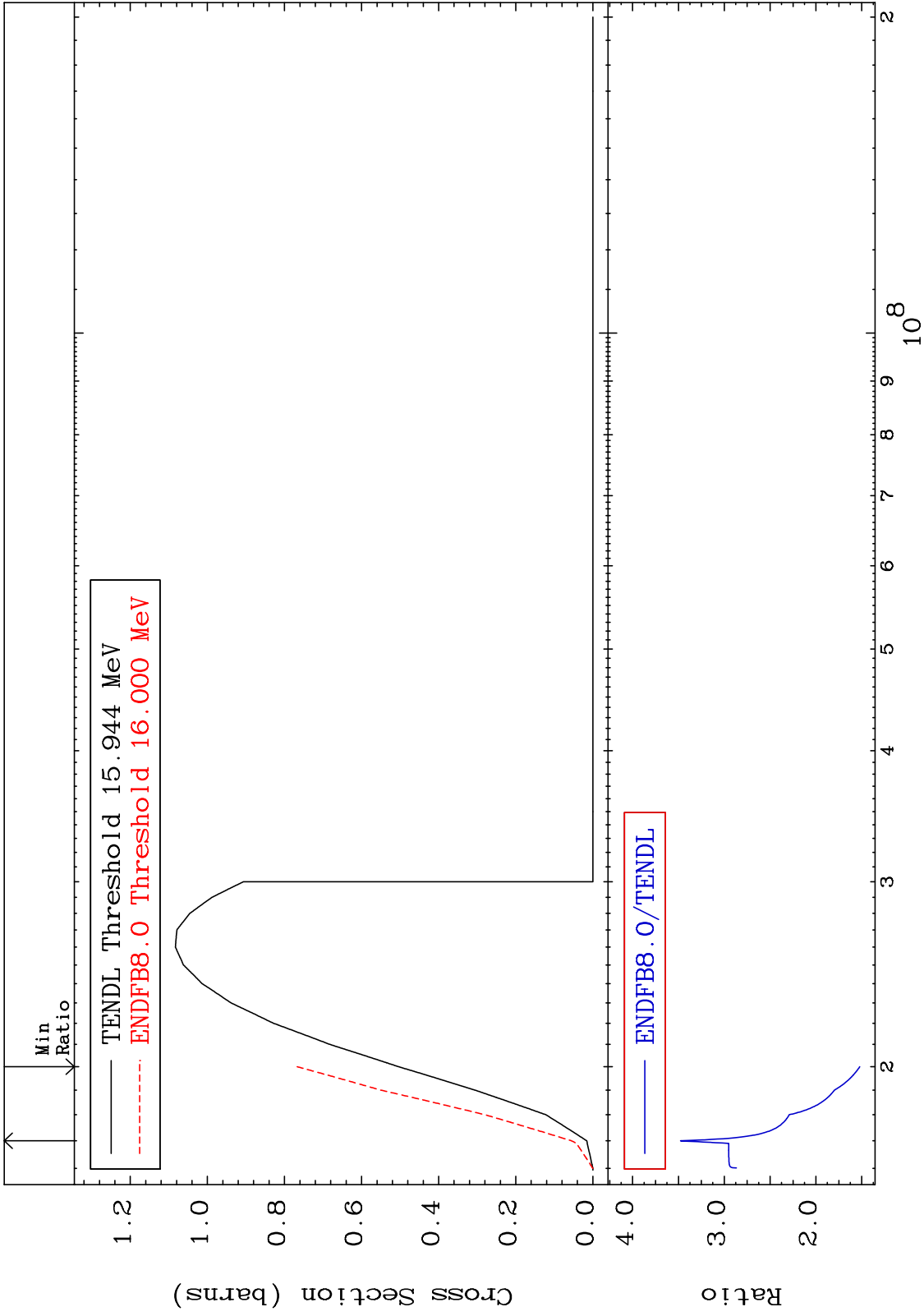
(n,3n)

50-Sn-119

Cross Section

52.16

To 247.7 %



5

Incident Energy (eV)

50-Sn-119

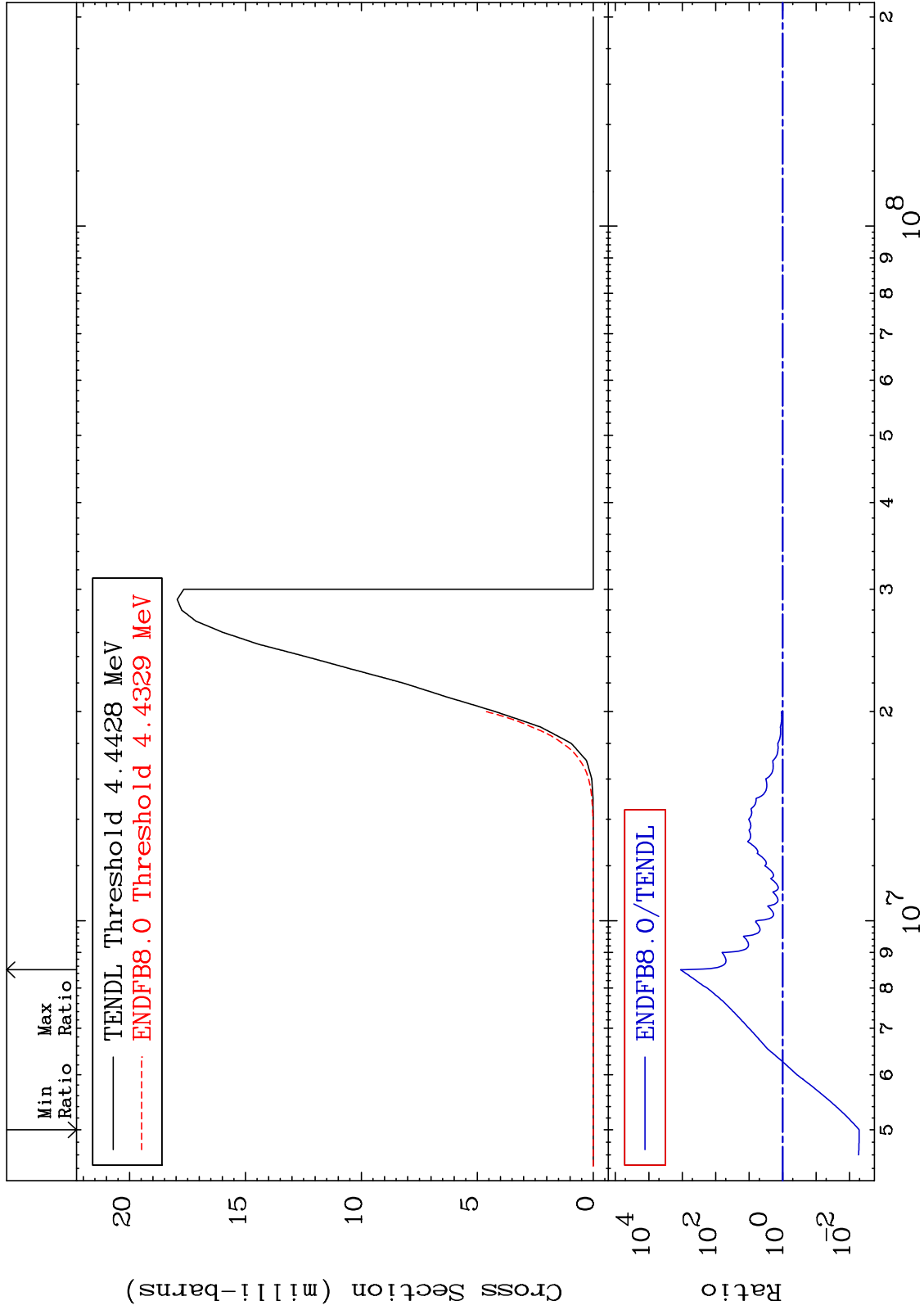
MAT 5046

(n,n') α

50-Sn-119

Cross Section

-99.48 To 9999. %



6

Incident Energy (eV)

50-Sn-119

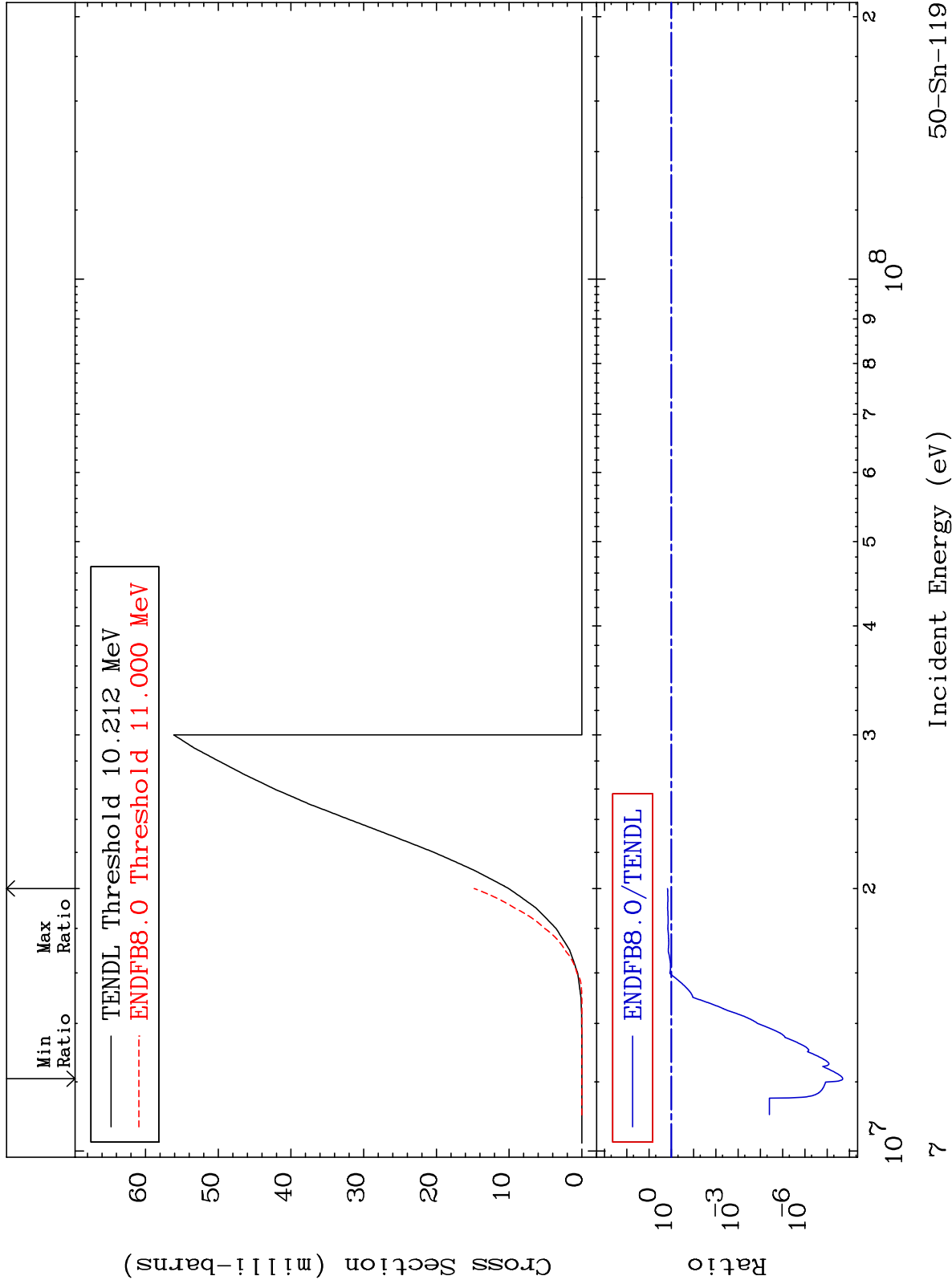
MAT 5046

(n,n') p

50-Sn-119

Cross Section

-100.0 To 47.25 %



Incident Energy (eV)

50-Sn-119

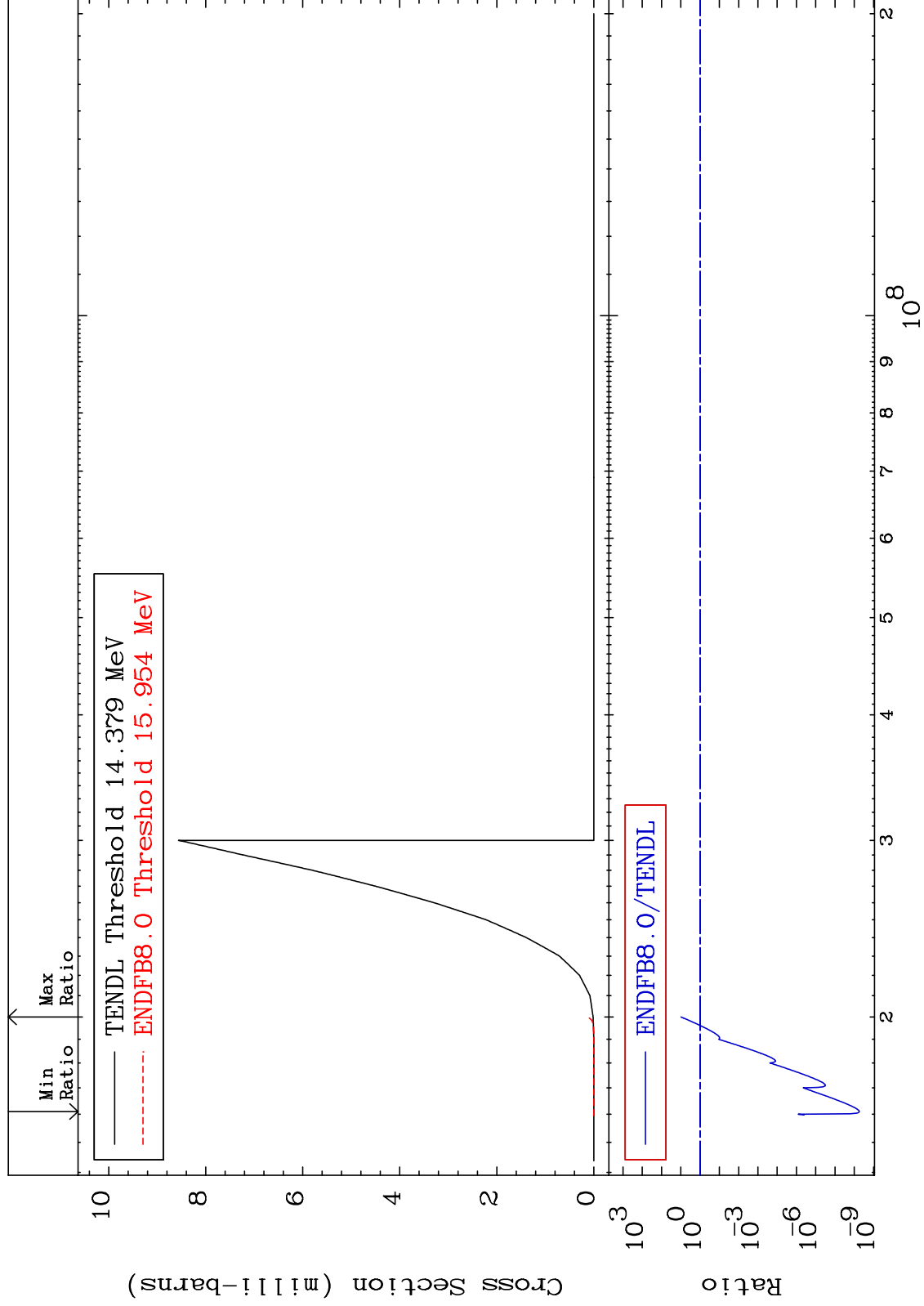
MAT 5046

(n,n') d

50-Sn-119

Cross Section

-100.0 To 869.2 %



8

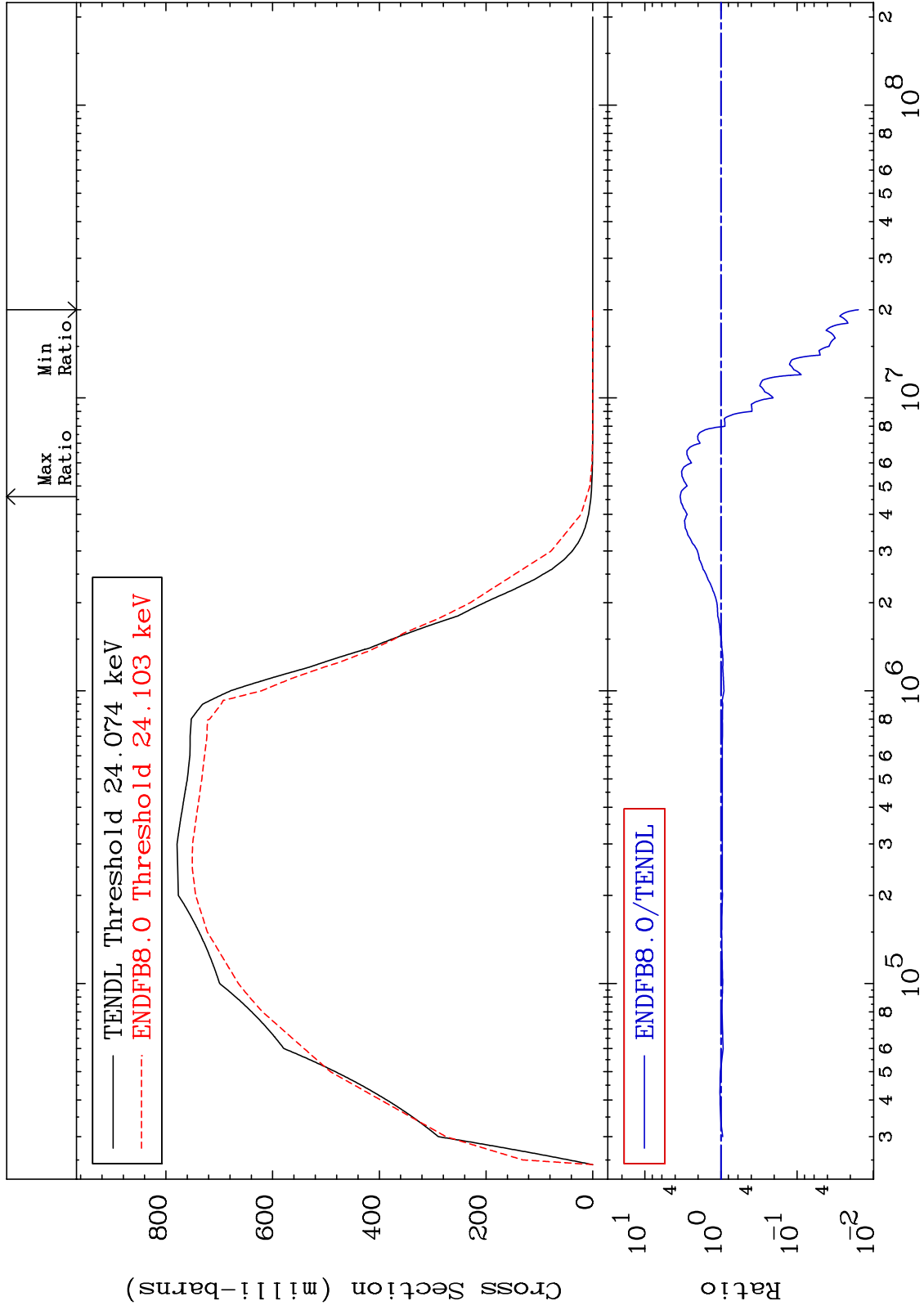
Incident Energy (eV)

50-Sn-119

MAT 5046

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

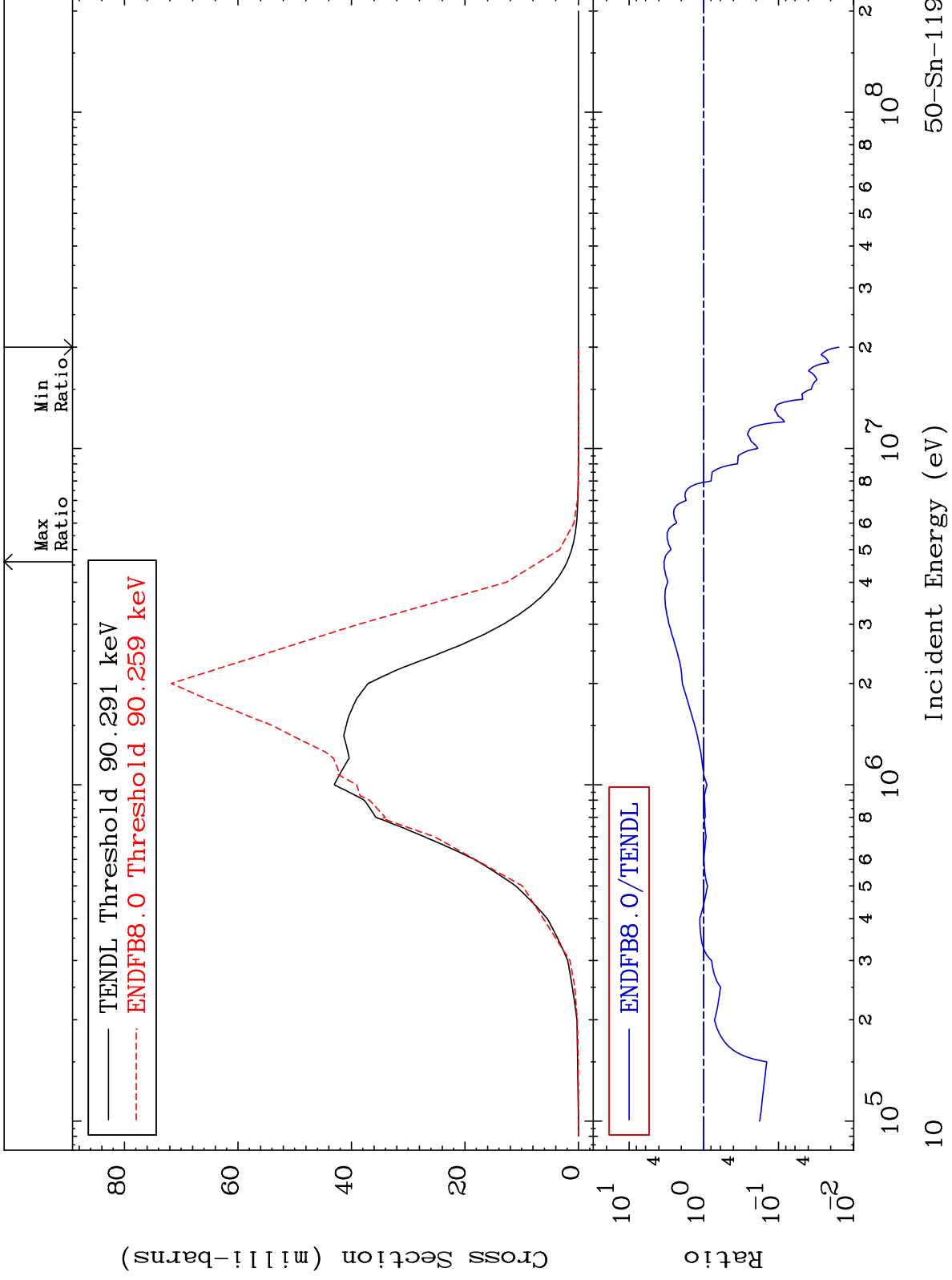
50-Sn-119
-98.43 To 245.4 %



MAT 5046

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

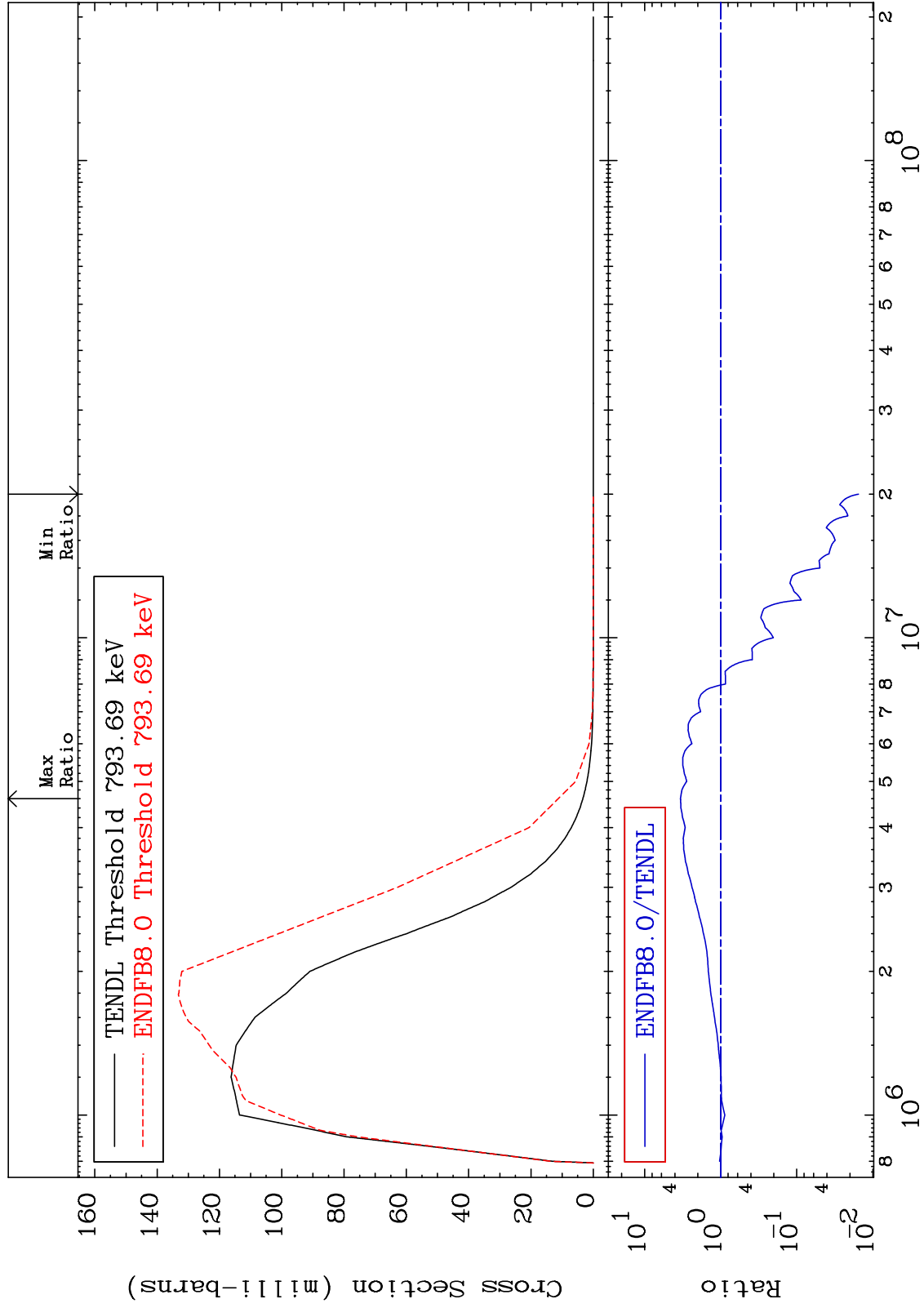
50-Sn-119
-98.44 To 240.3 %



MAT 5046

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

50-Sn-119
-98.46 To 237.8 %



11

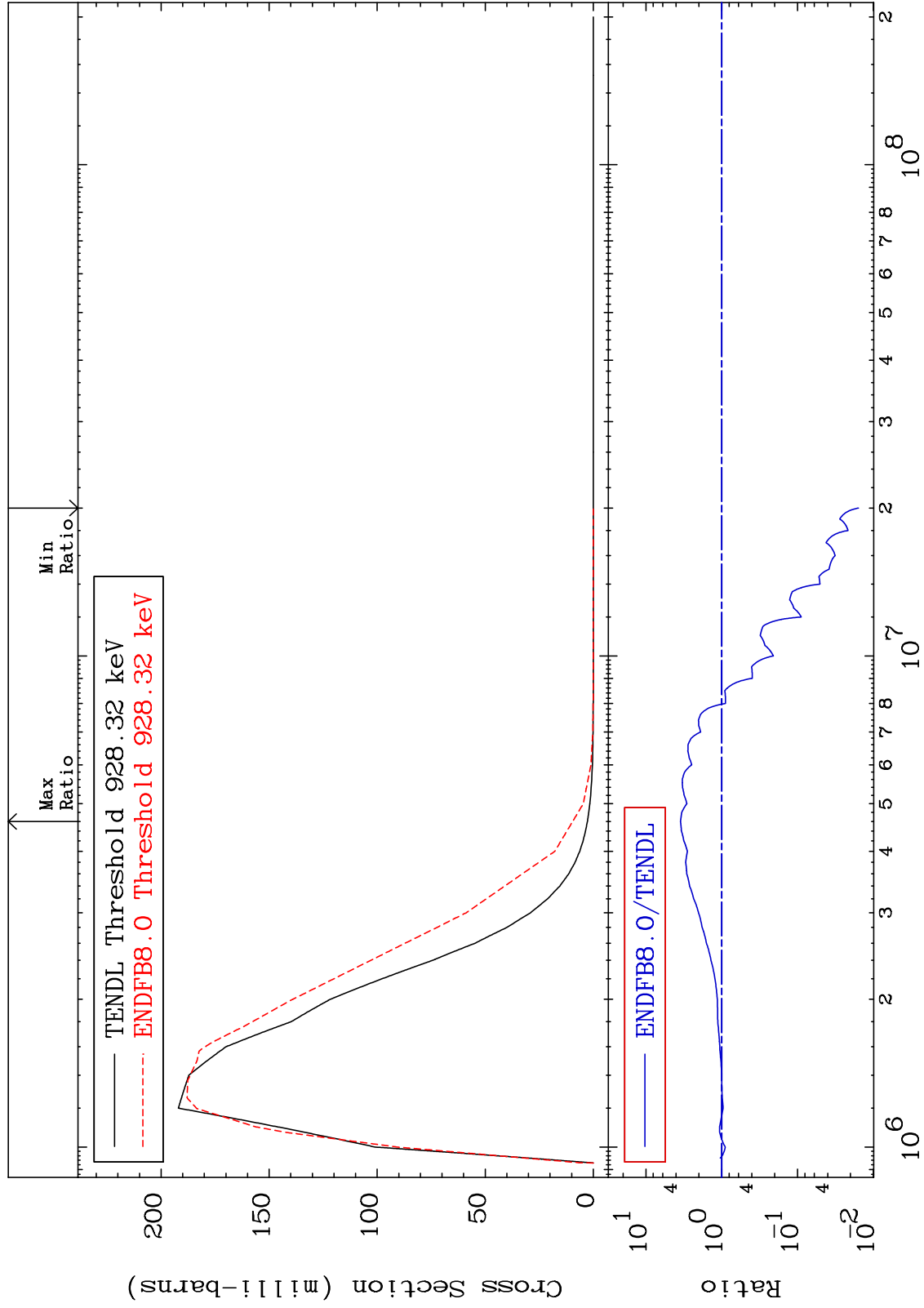
Incident Energy (eV)

50-Sn-119

MAT 5046

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

50-Sn-119
-98.43 To 250.1 %



Incident Energy (eV)

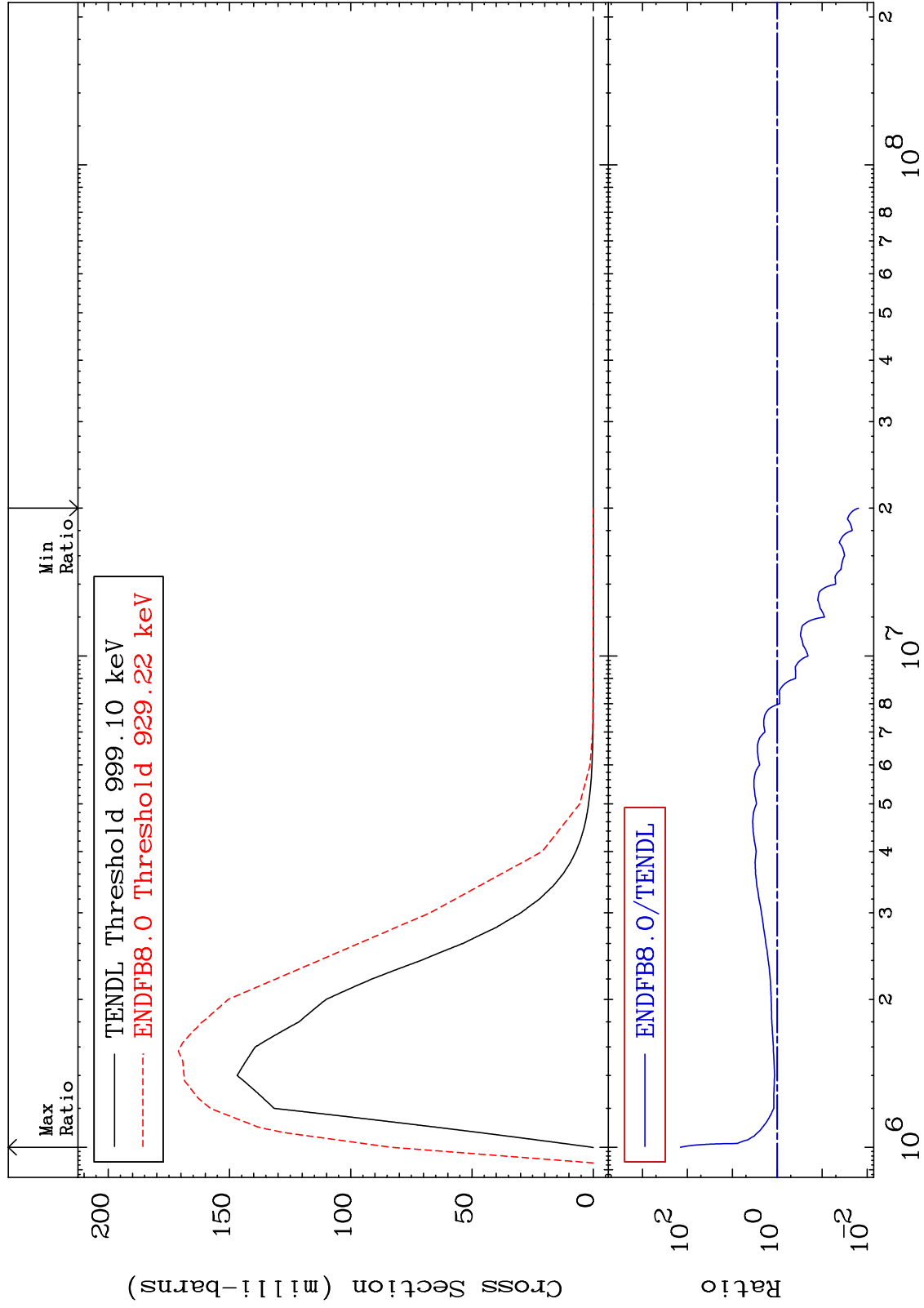
50-Sn-119

12

MAT 5046

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

50-Sn-119
-98.44 To 9999. %

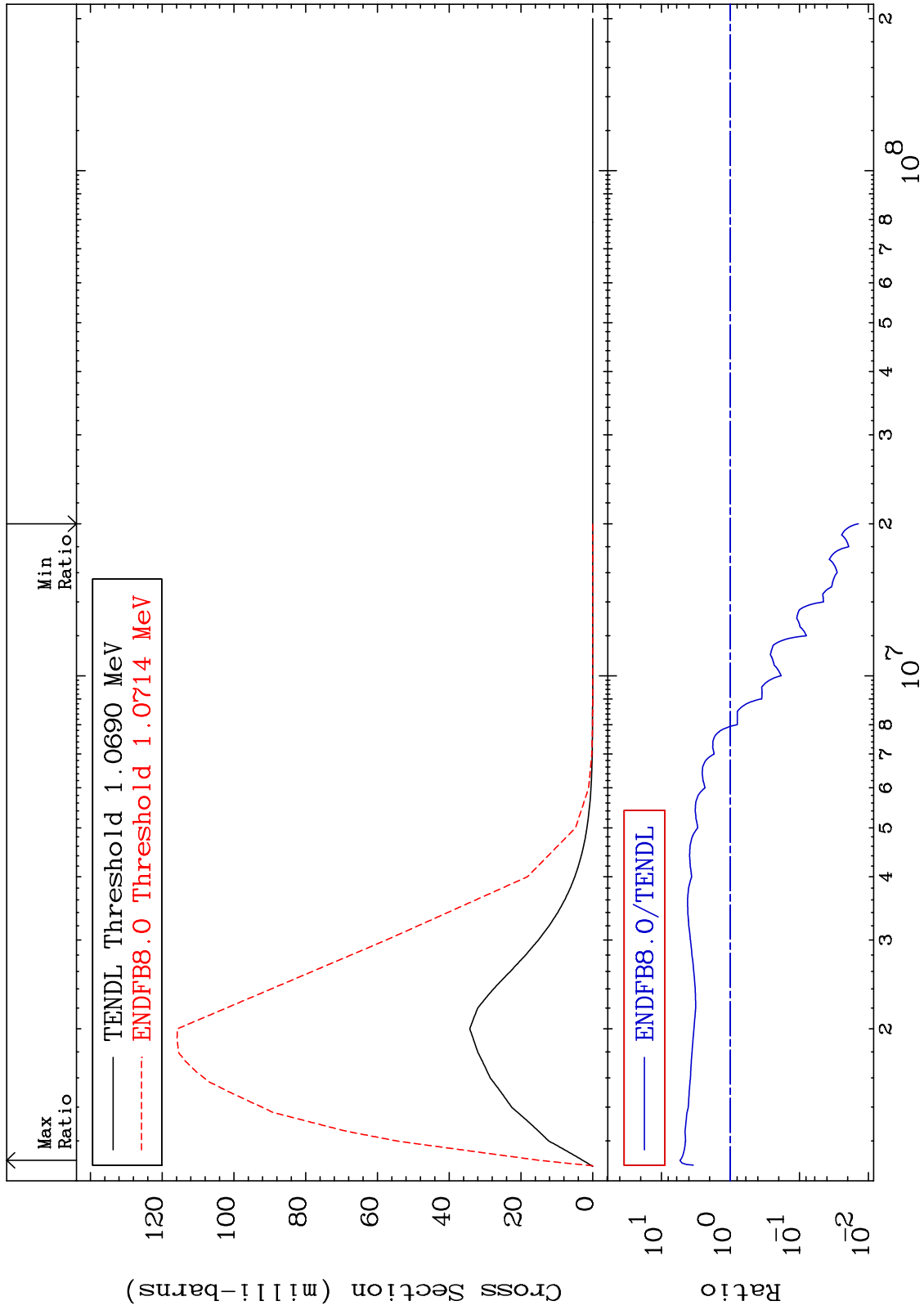


Incident Energy (eV)

50-Sn-119

13

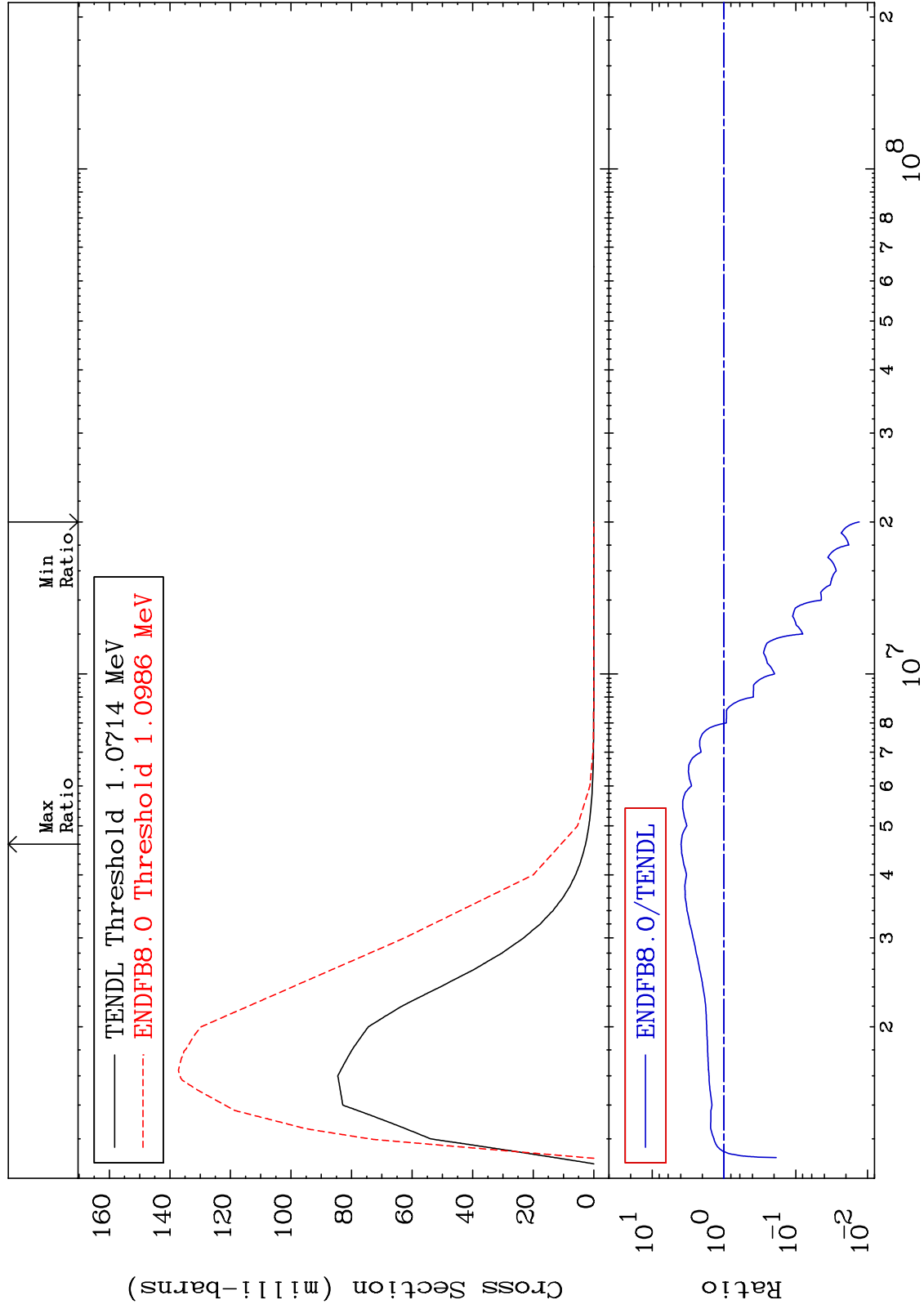
MAT 5046 MT= 56 (n,n') Level Cross Section 50-Sn-119 -98.60 To 437.5 %



MAT 5046

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

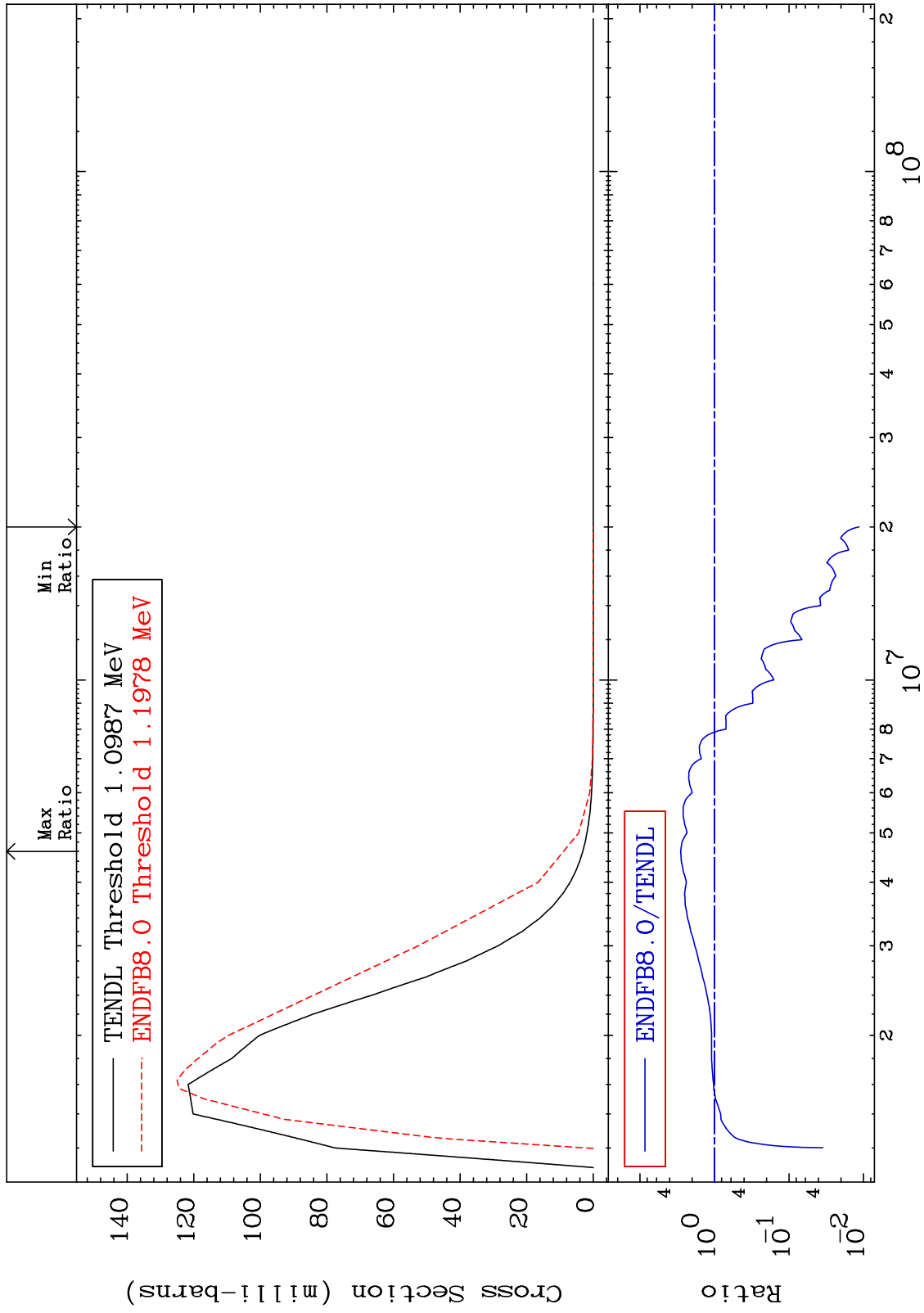
50-Sn-119
-98.70 To 296.3 %

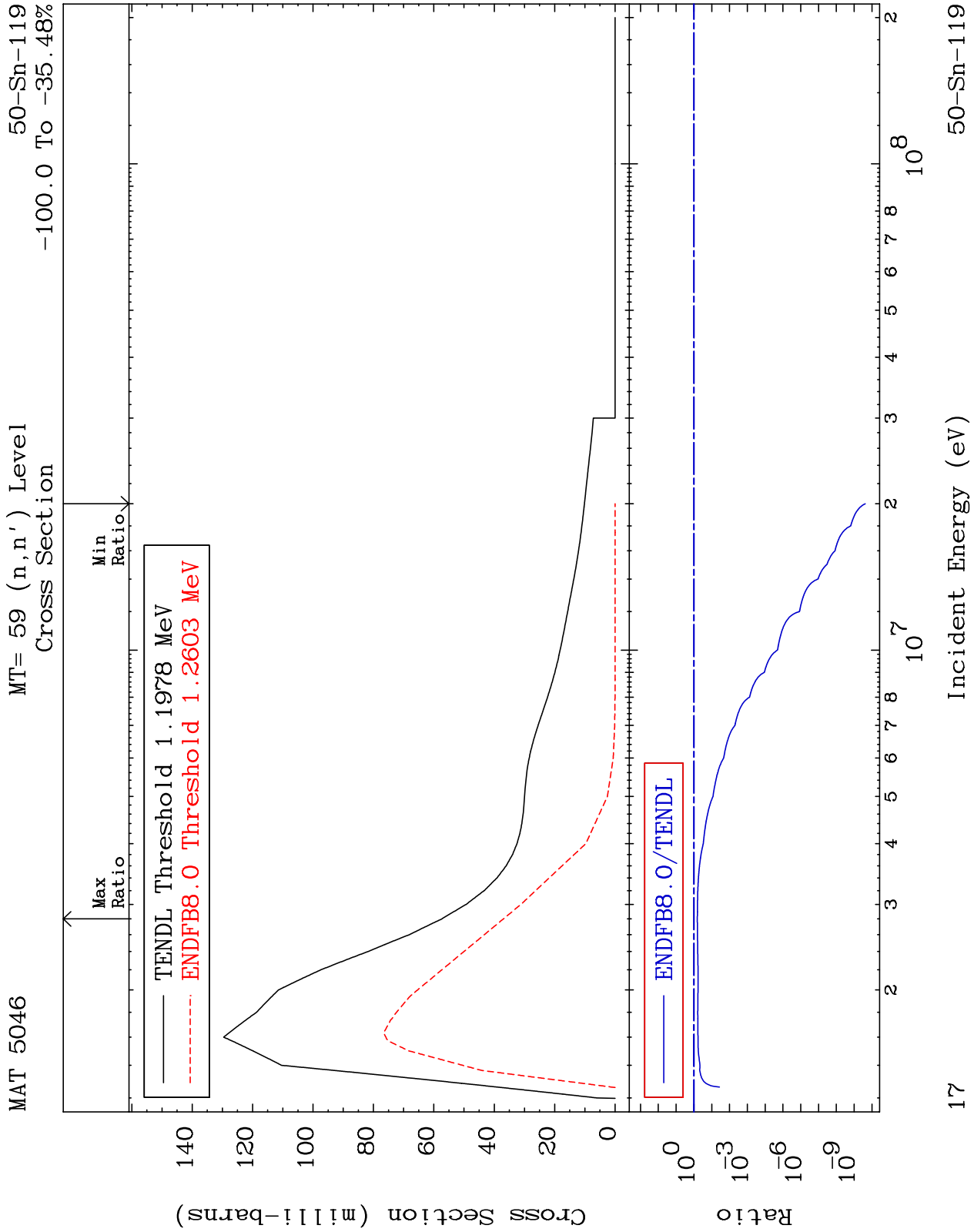


MAT 5046

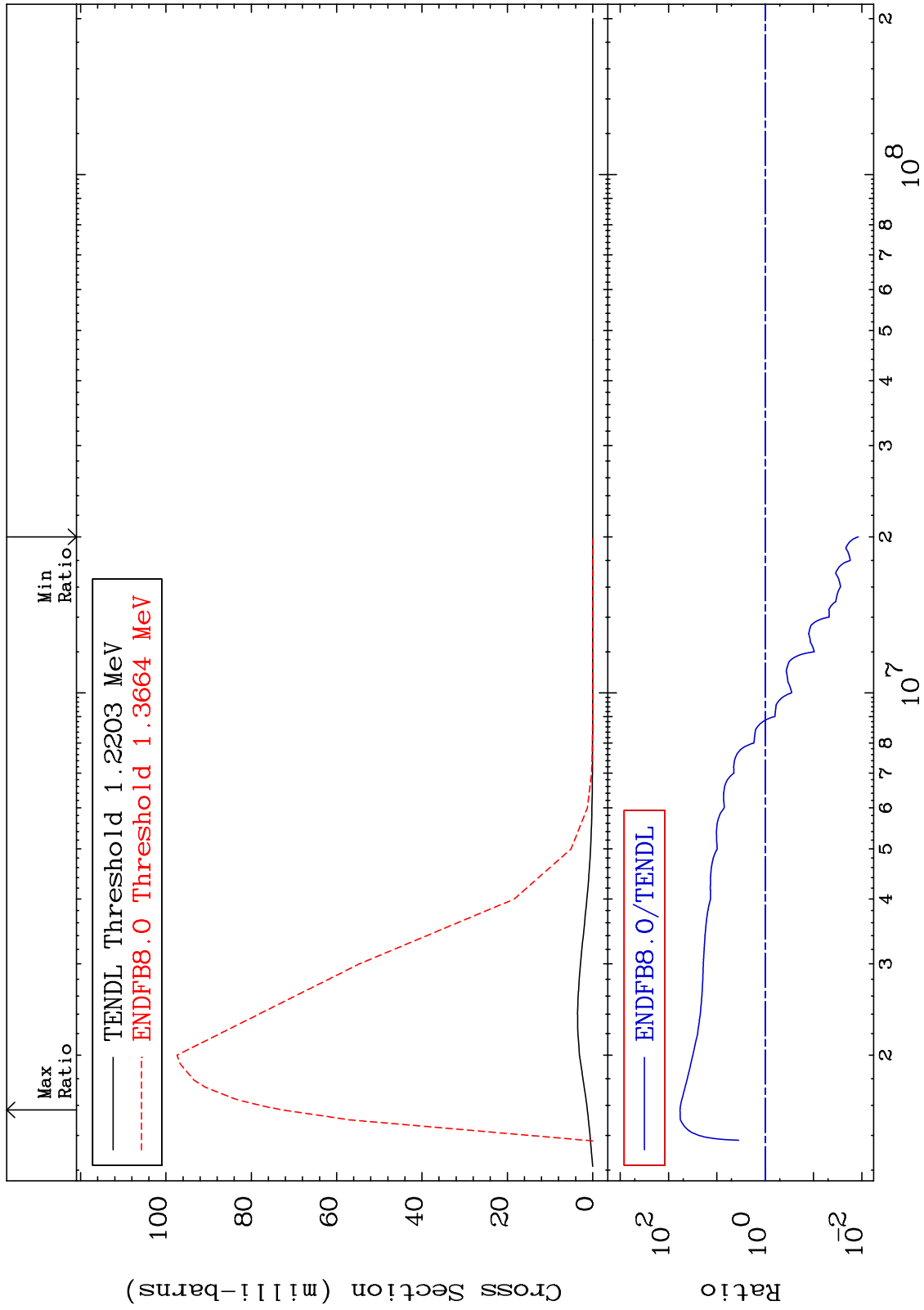
MT= 58 (n,n') Level
Cross Section

50-Sn-119
-98.86 To 185.0 %





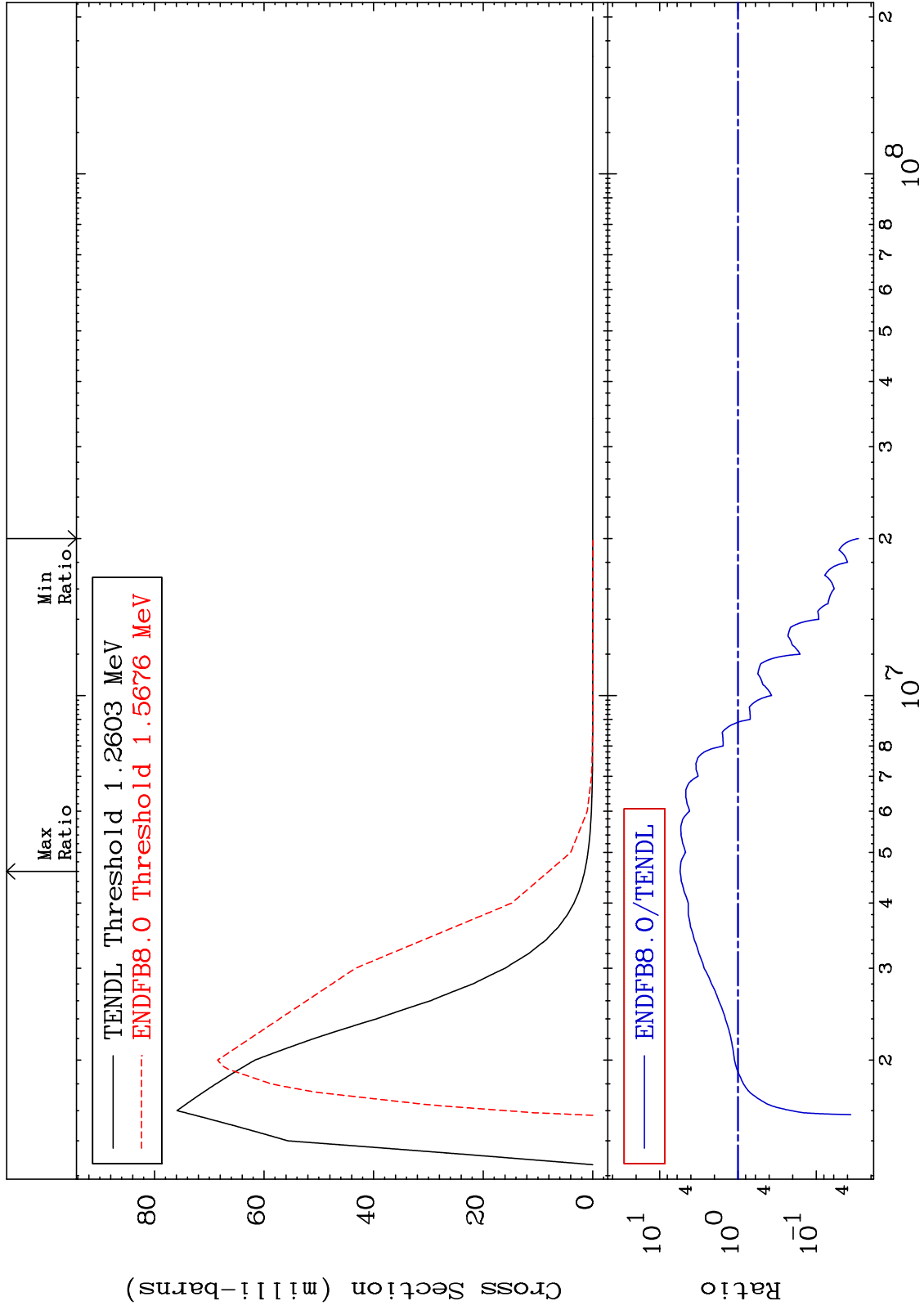
MAT 5046 MT= 60 (n,n') Level Cross Section 50-Sn-119
 -98.82 To 5699. %



MAT 5046

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

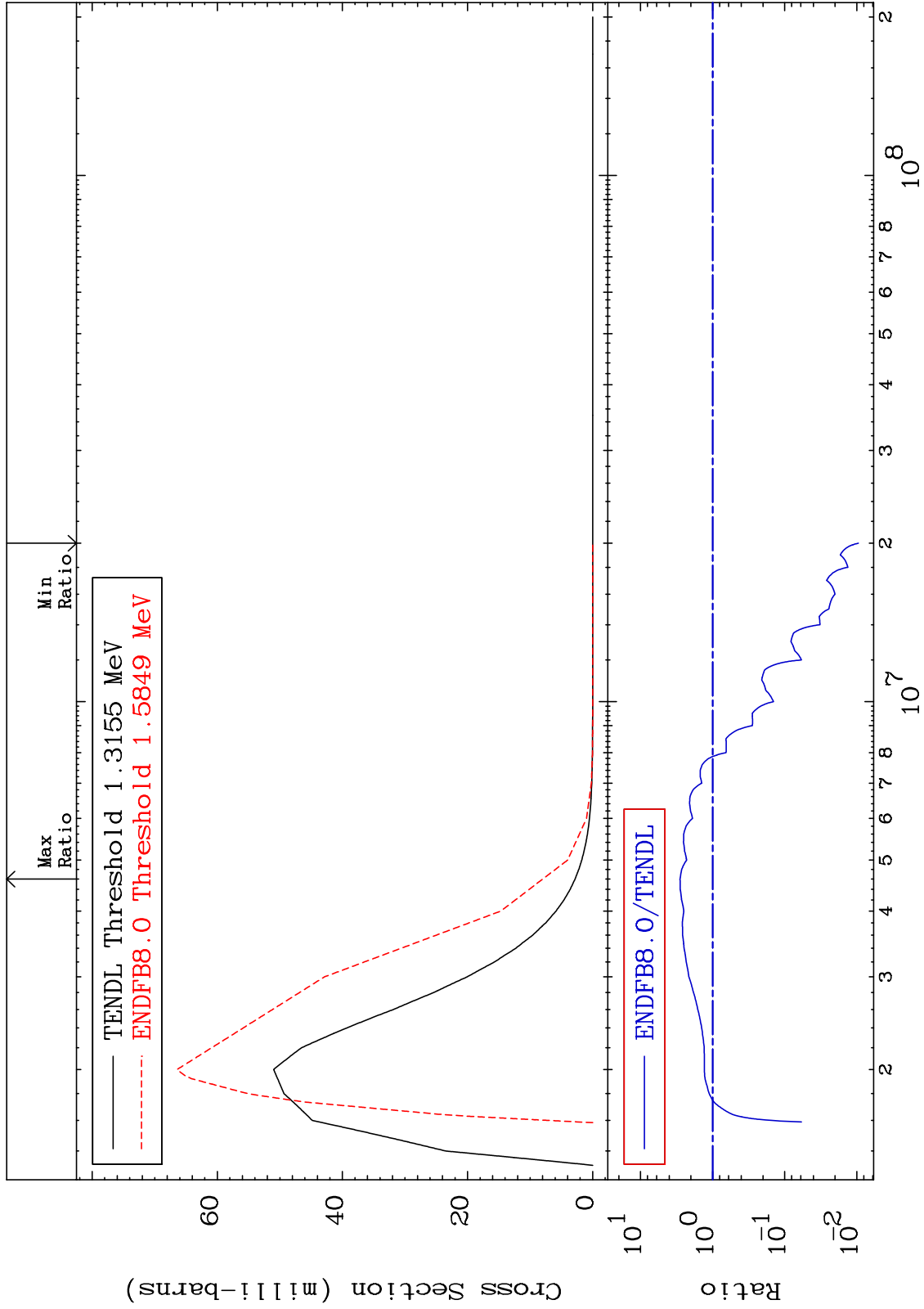
50-Sn-119
-97.10 To 449.7 %



MAT 5046

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

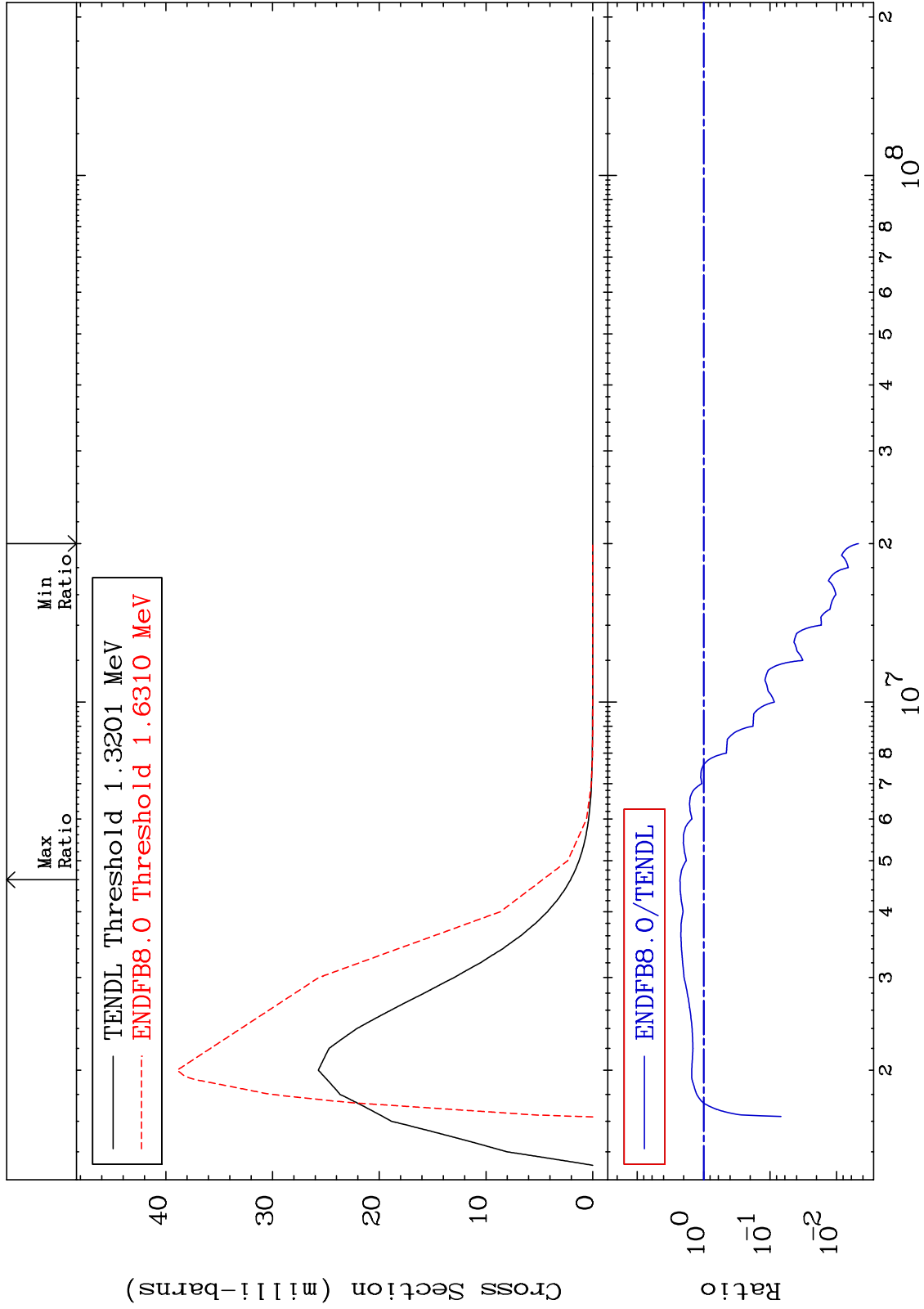
50-Sn-119
-99.05 To 183.4 %



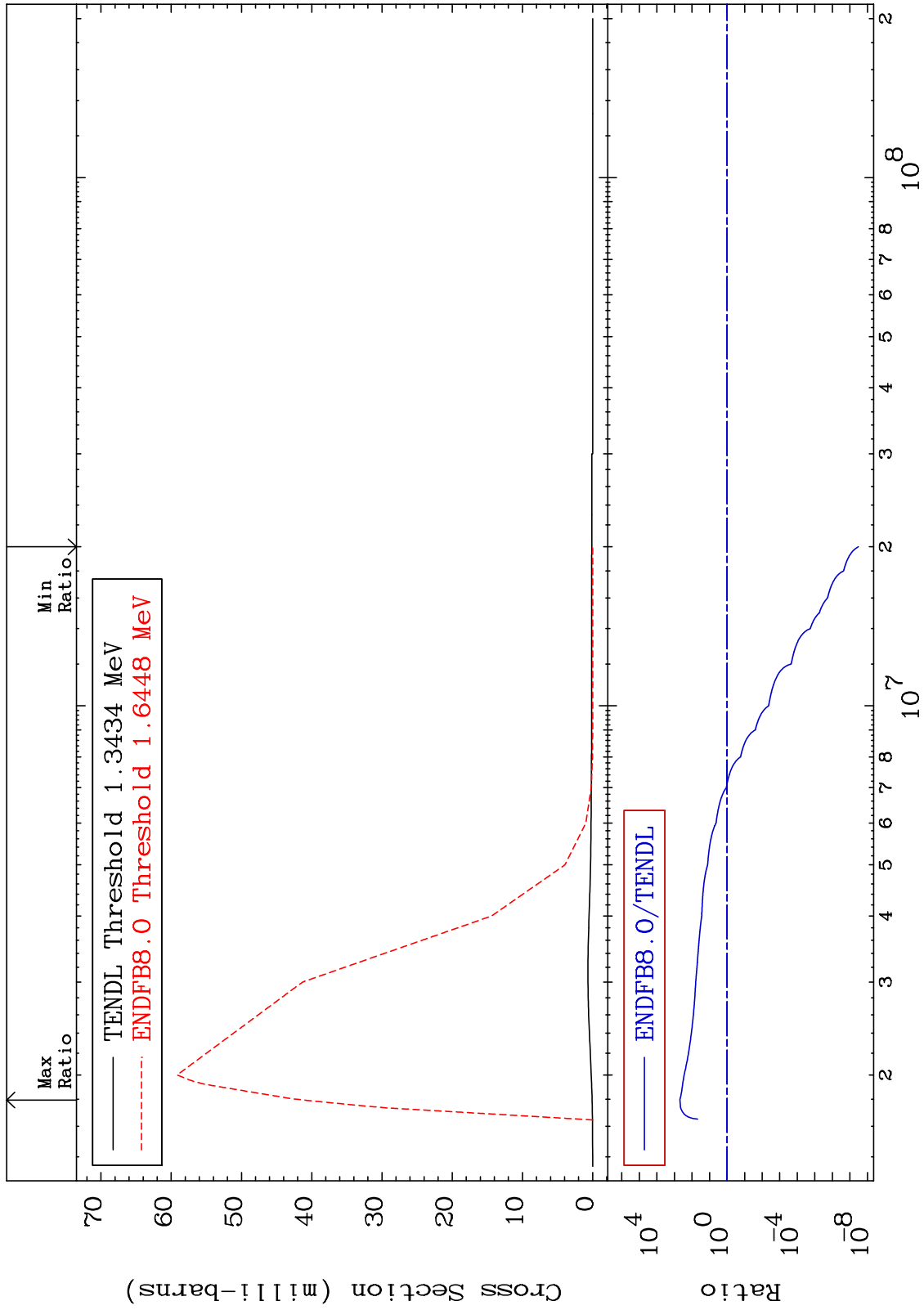
MAT 5046

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

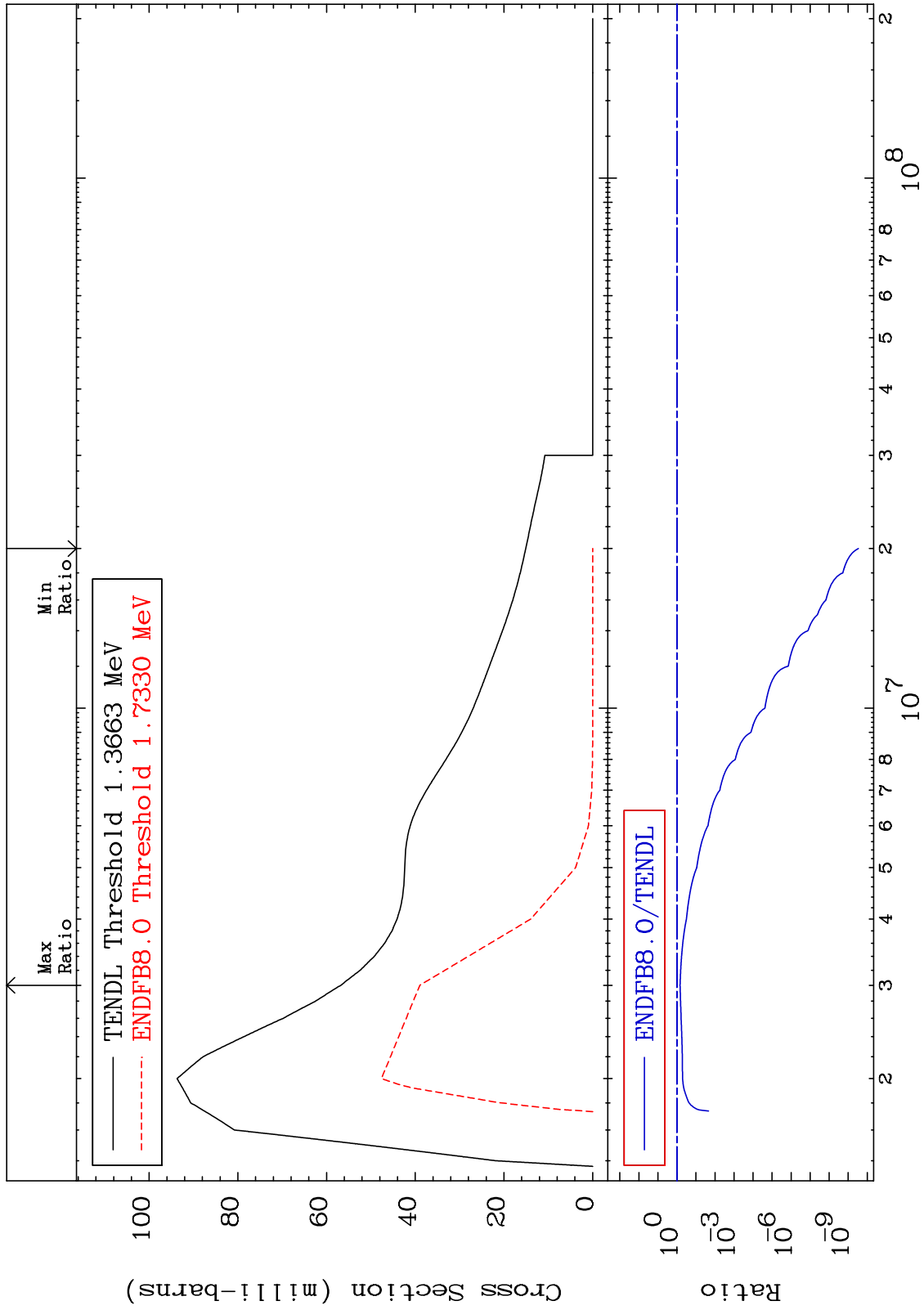
50-Sn-119
-99.53 To 126.9 %



MAT 5046 MT= 64 (n,n') Level Cross Section 50-Sn-119
 -100.0 To 9999. %



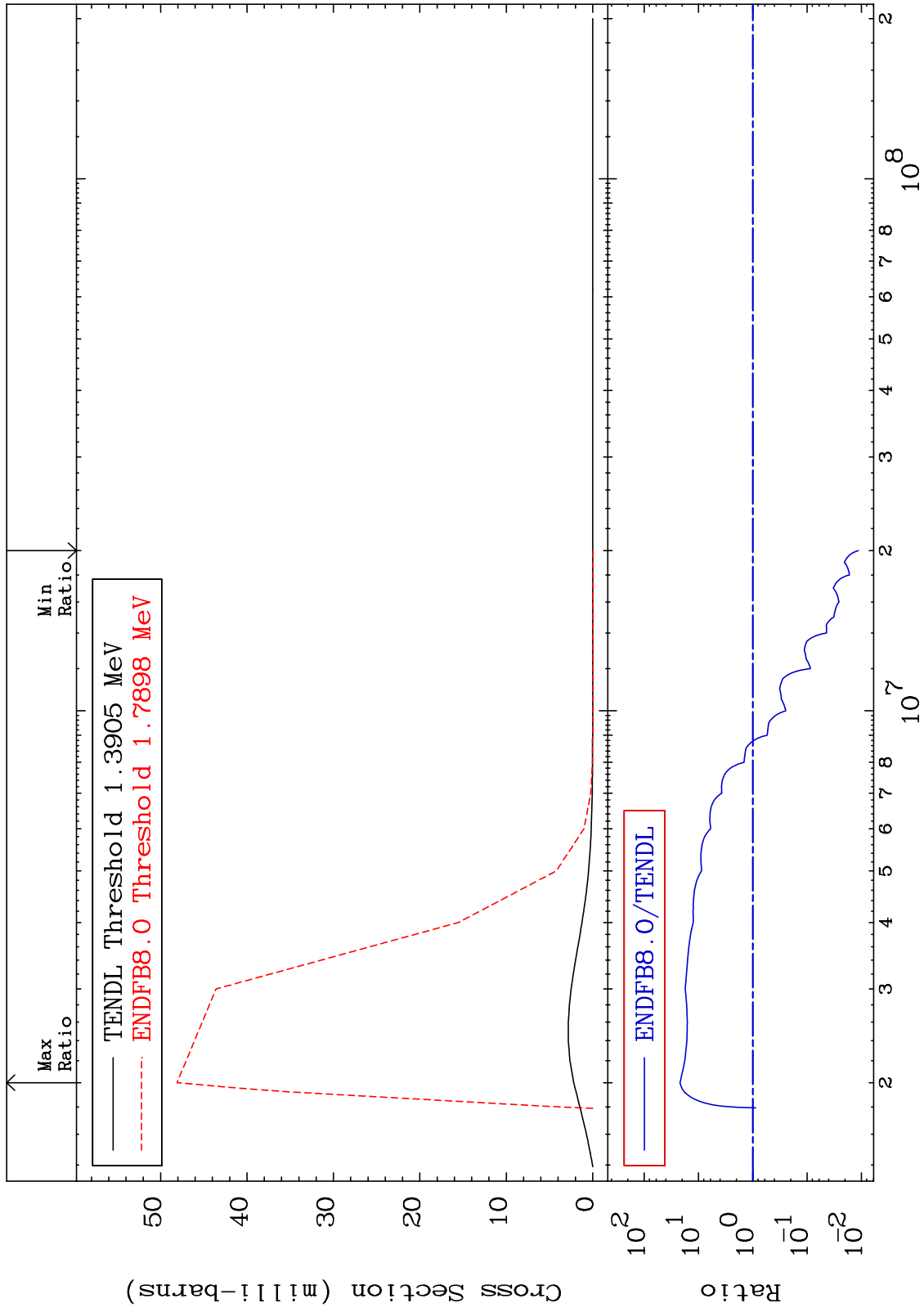
MAT 5046 MT= 65 (n, n') Level Cross Section 50-Sn-119
 -100.0 To -31.35%



MAT 5046

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

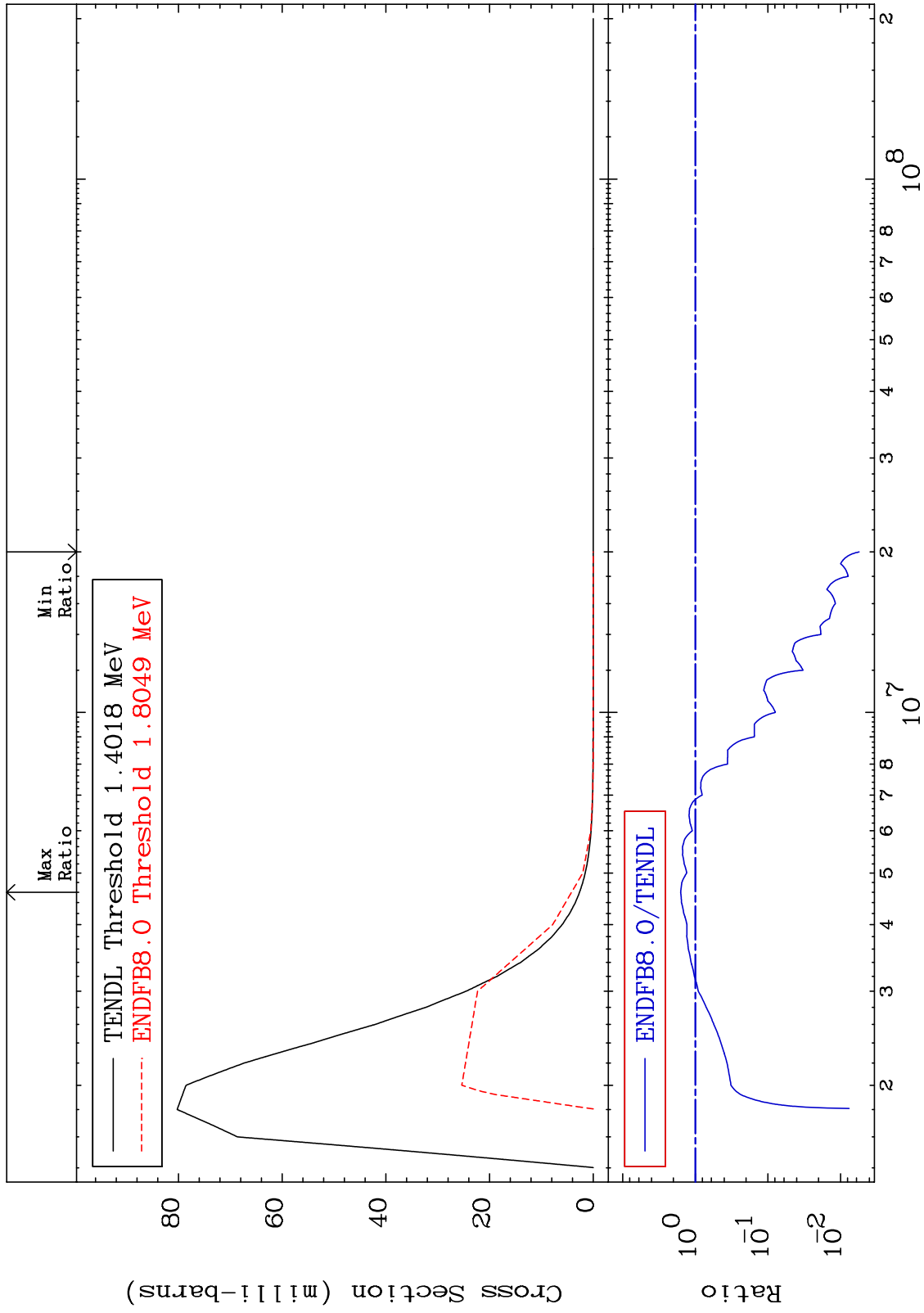
50-Sn-119
-98.87 To 2085. %



MAT 5046

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

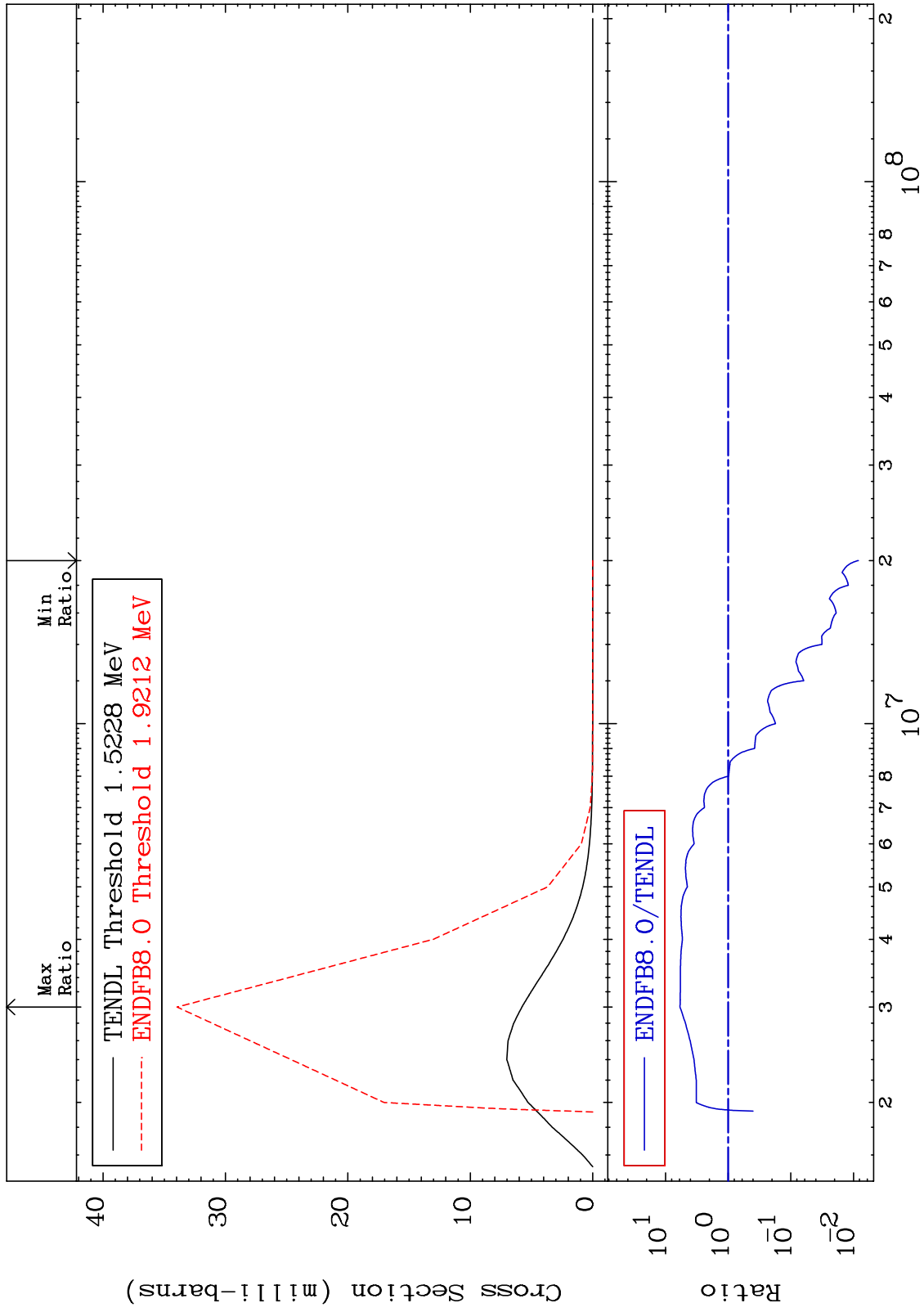
50-Sn-119
-99.45 To 59.24 %



MAT 5046

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

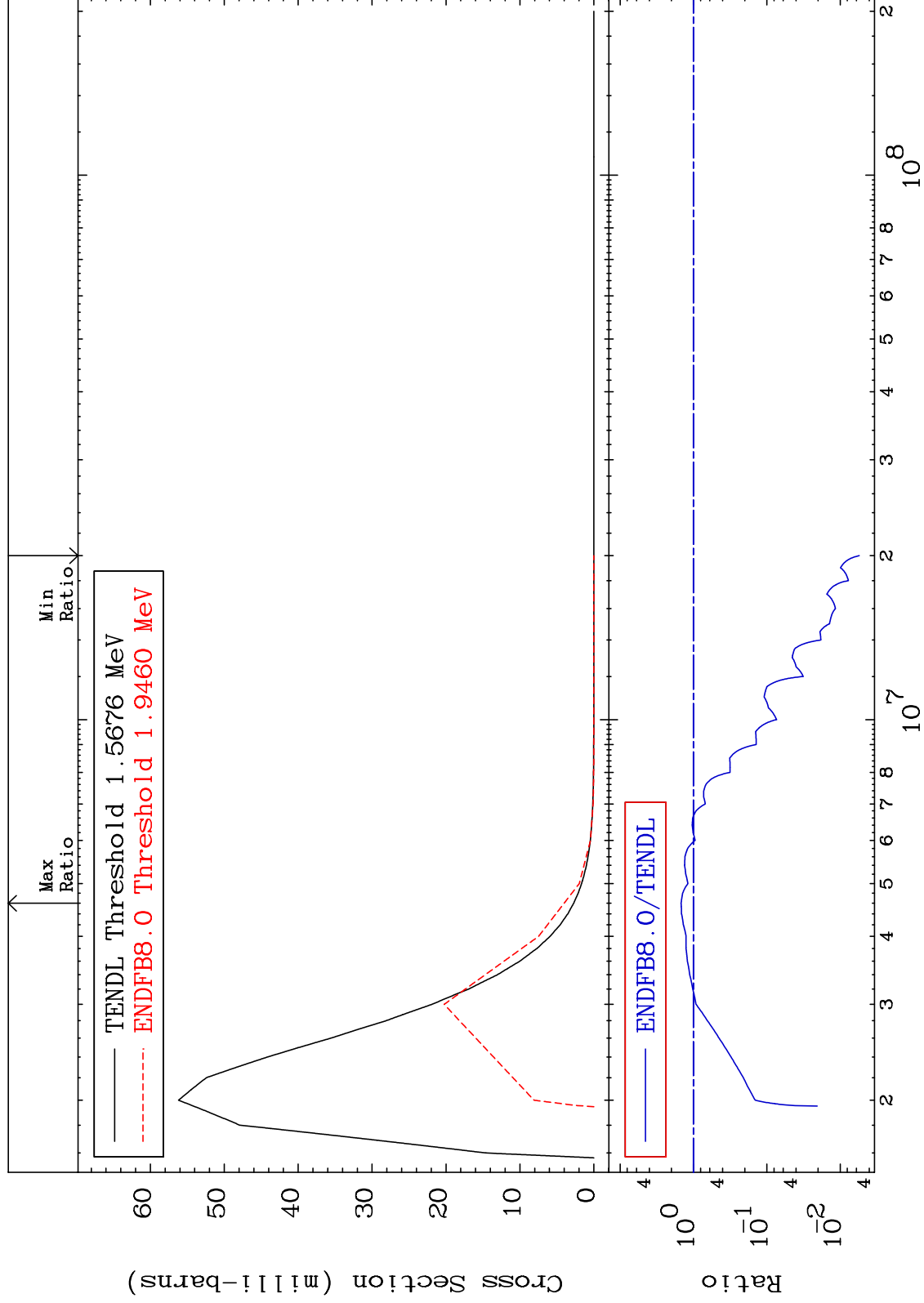
50-Sn-119
-99.17 To 487.2 %



MAT 5046

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

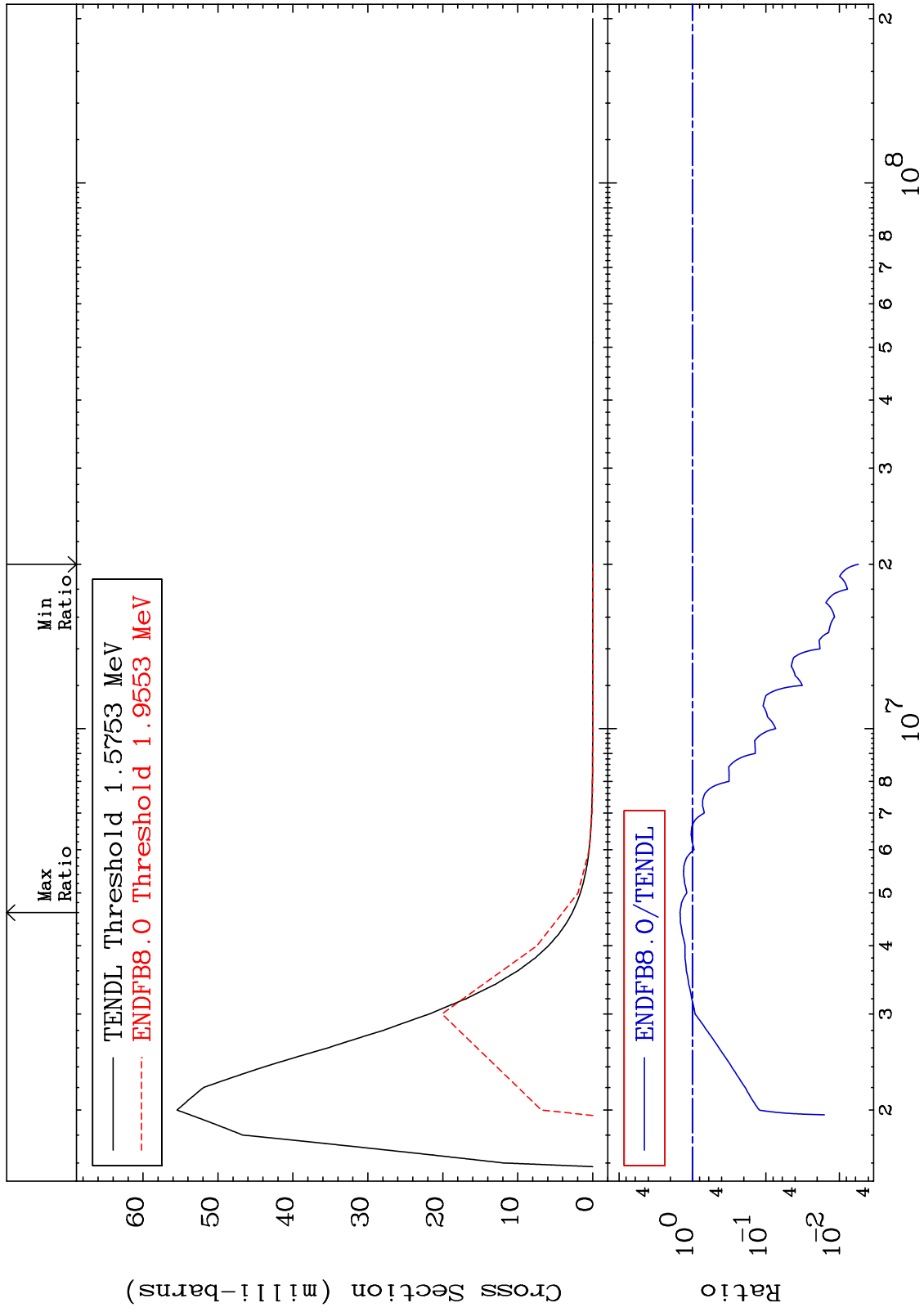
50-Sn-119
-99.45 To 47.80 %



MAT 5046

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

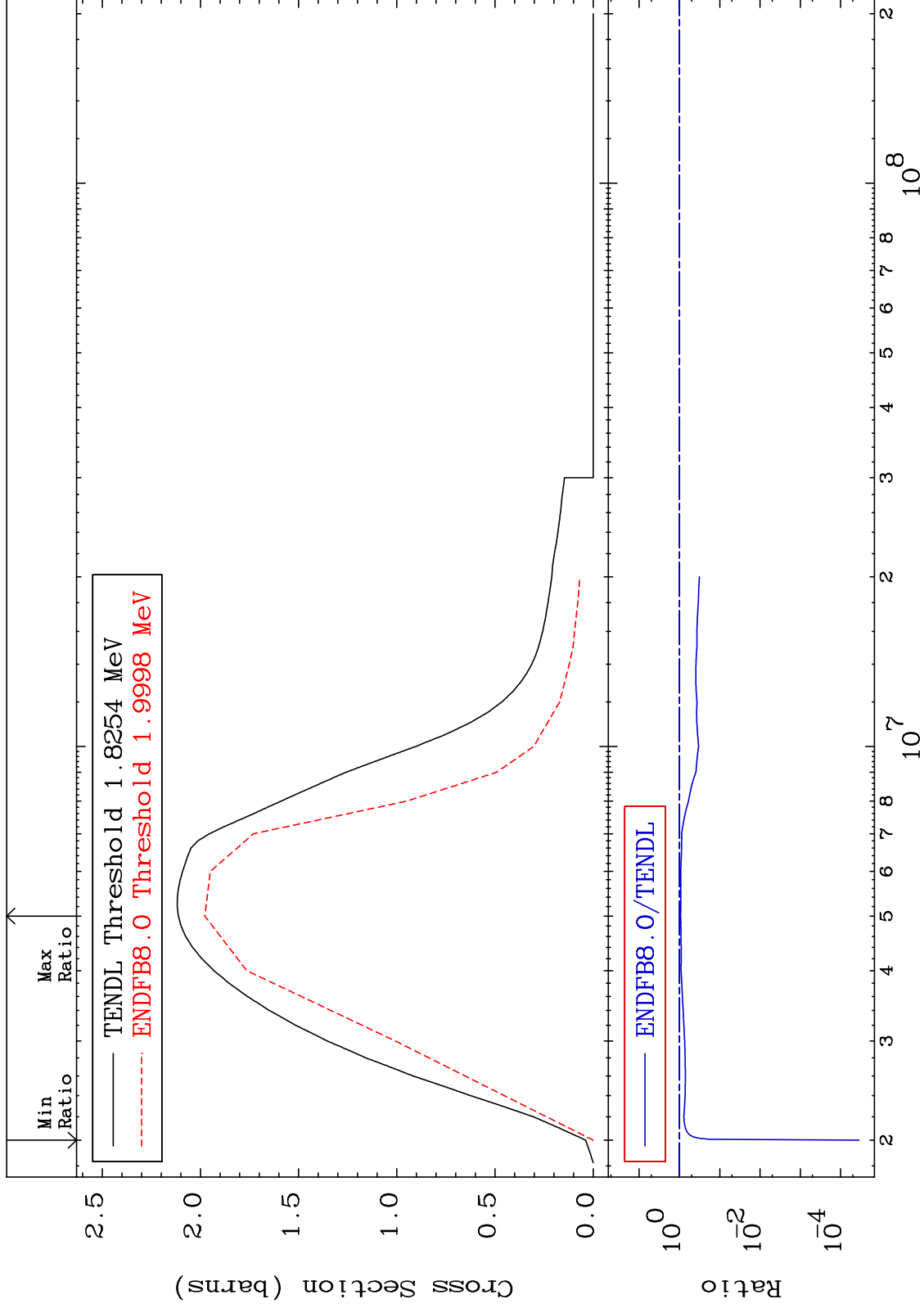
50-Sn-119
-99.45 To 47.75 %



MAT 5046

(n,n') Continuum
Cross Section

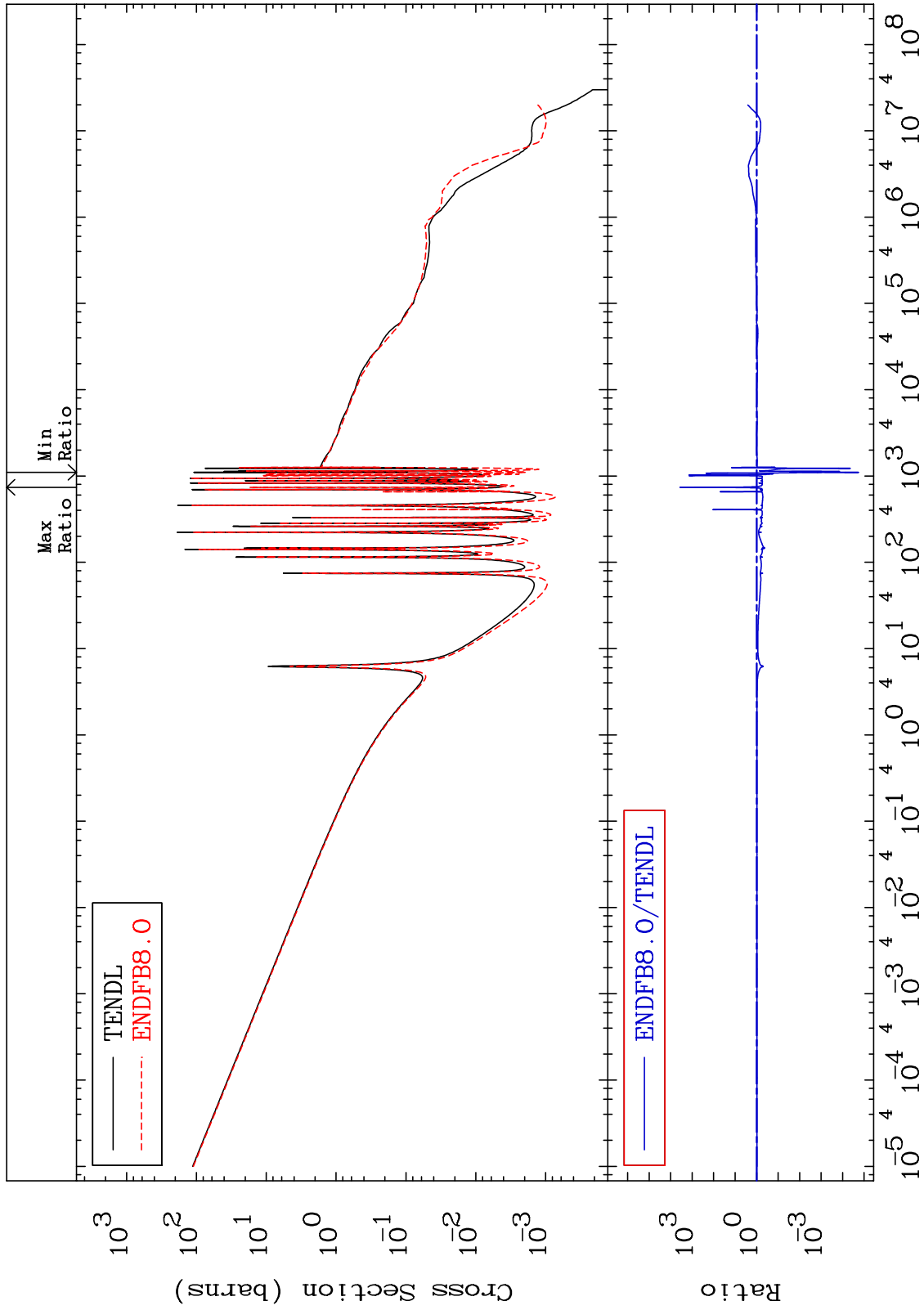
50-Sn-119
-100.0 To -6.386%



MAT 5046

(n, γ)
Cross Section

50-Sn-119
-100.0 To 9999. %



30

Incident Energy (eV)

50-Sn-119

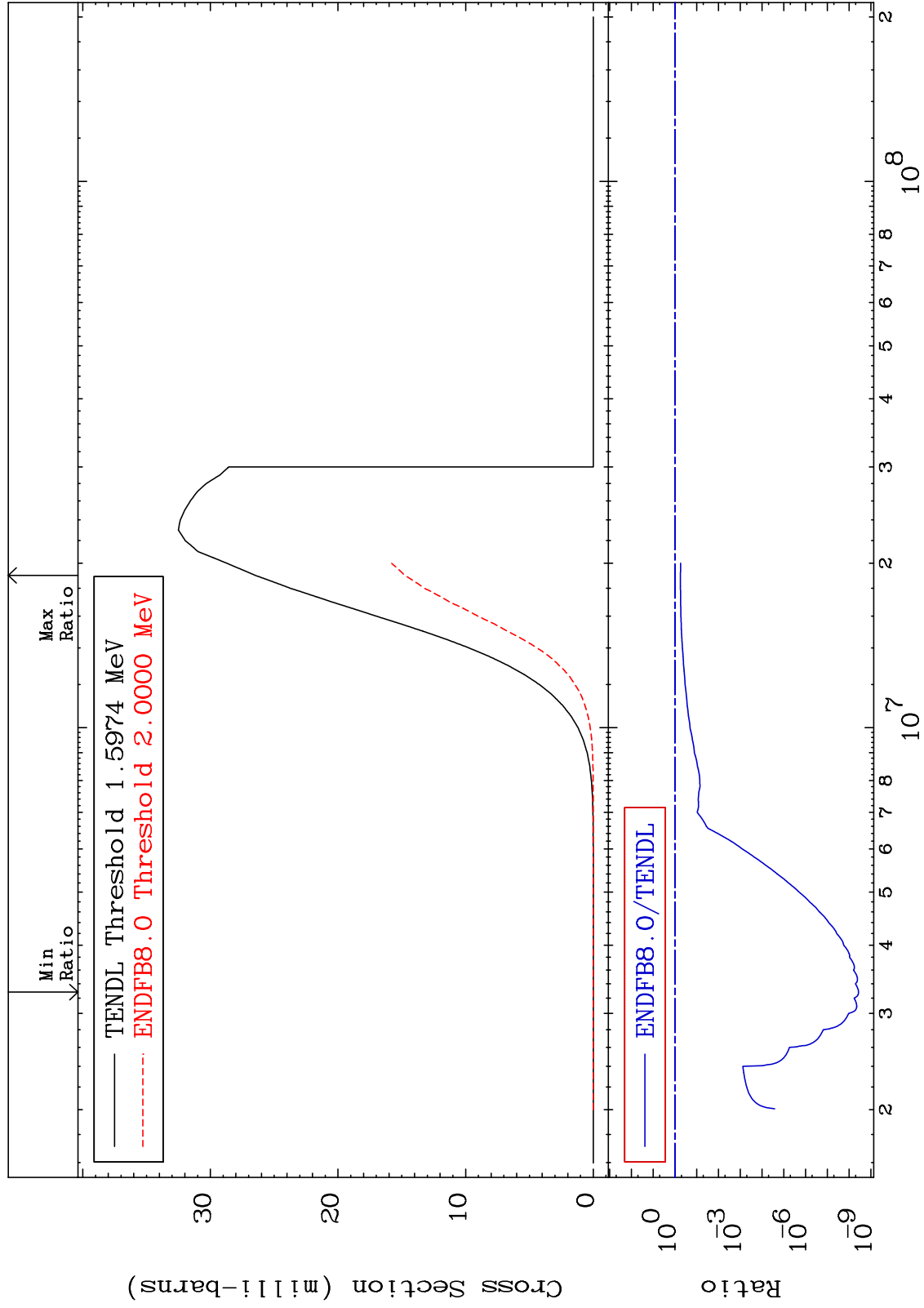
MAT 5046

(n, p)

50-Sn-119

Cross Section

-100.0 To -44.23%



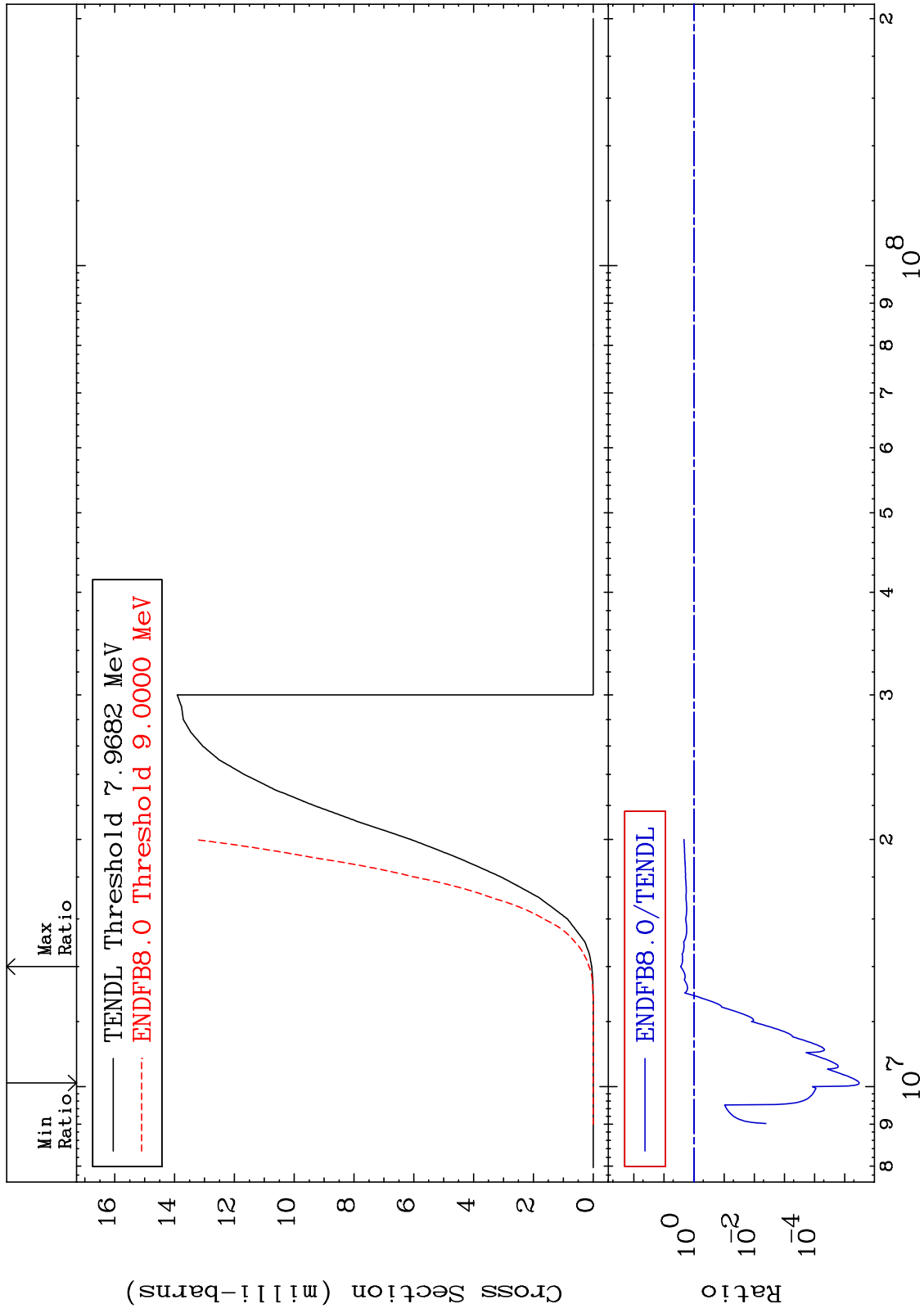
MAT 5046

(n,d)

50-Sn-119

Cross Section

-100.0 To 180.9 %



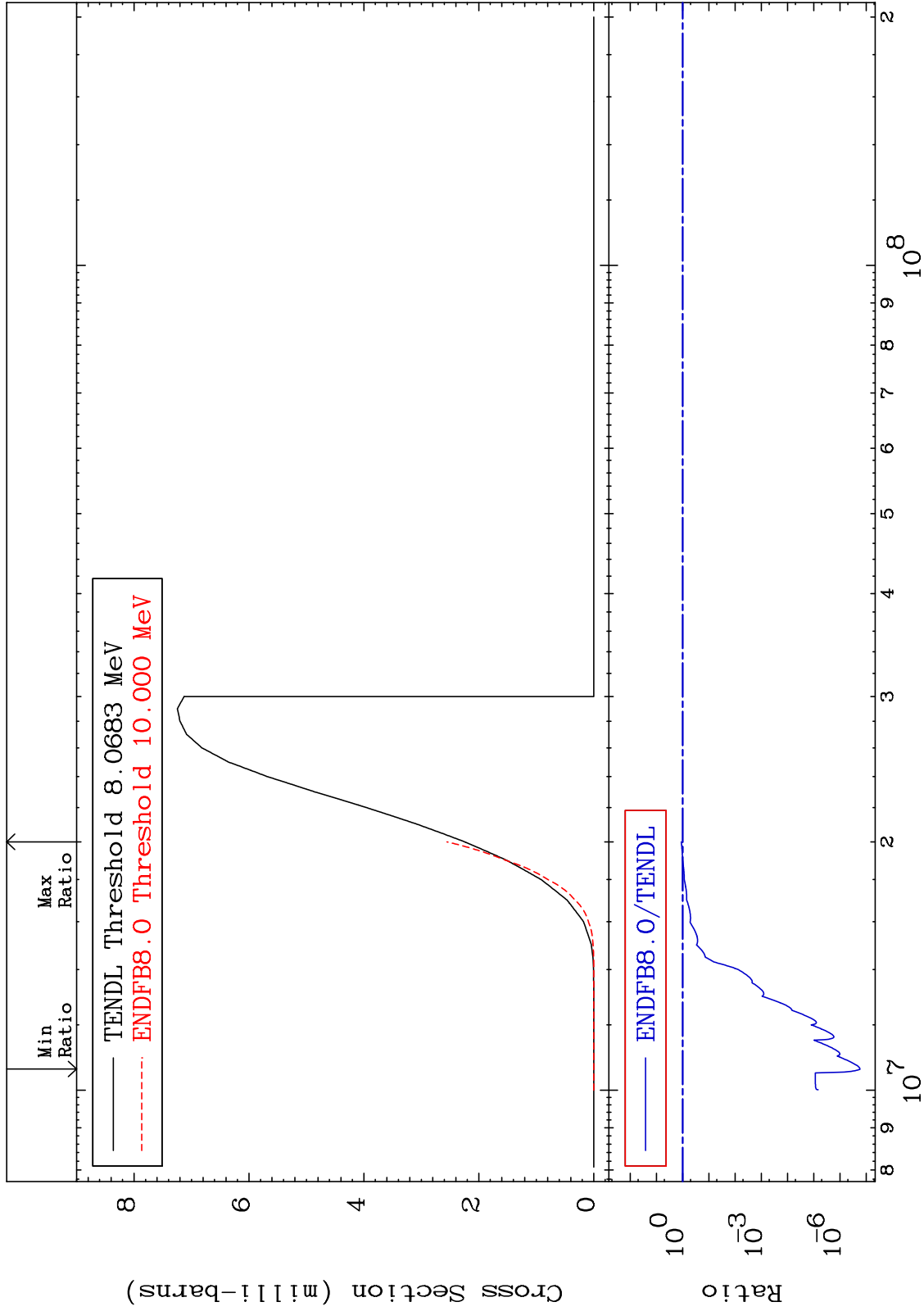
MAT 5046

(n, t)

50-Sn-119

Cross Section

-100.0 To 13.81 %



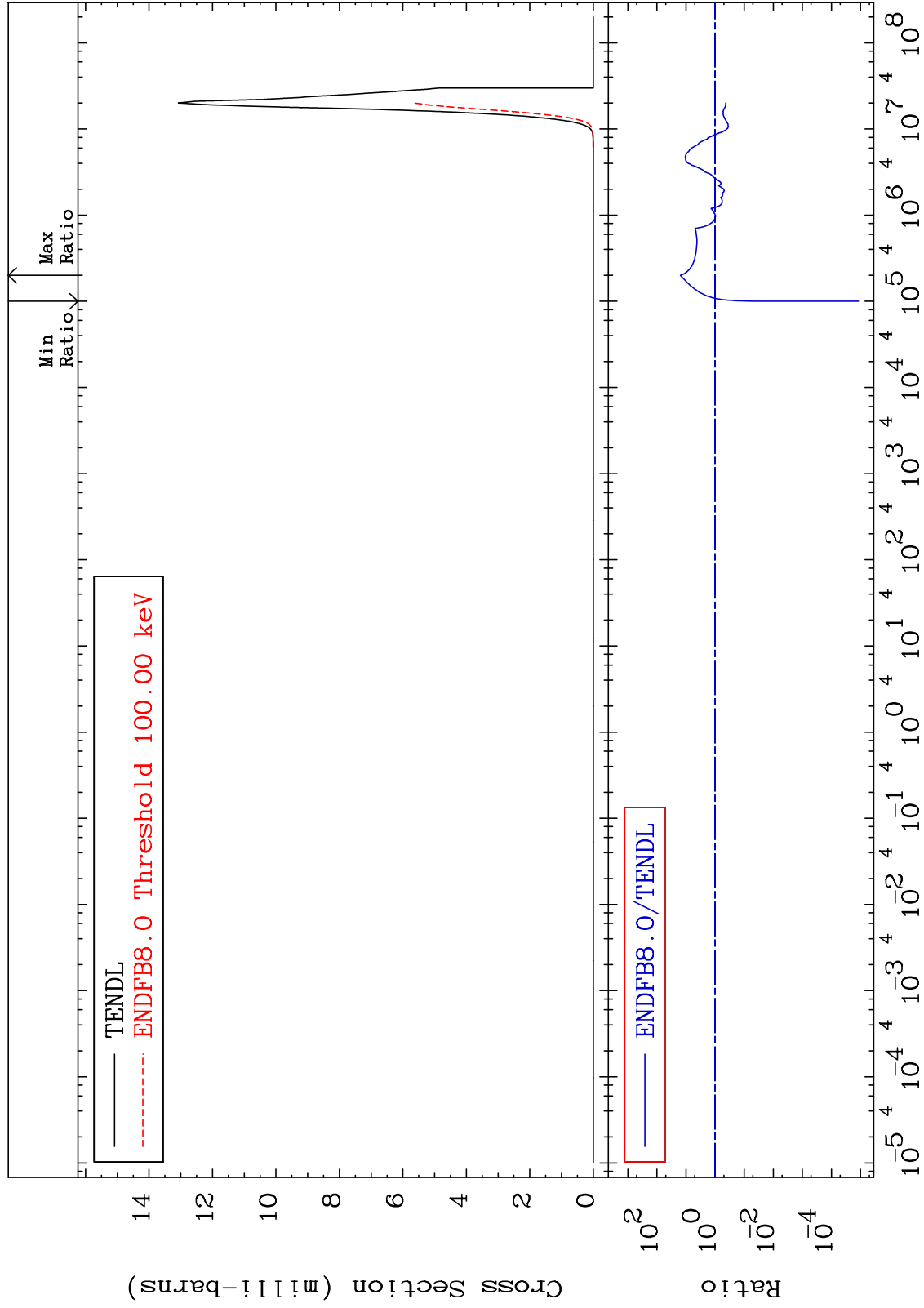
MAT 5046

(n, α)

50-Sn-119

Cross Section

-100.0 To 1454. %



34

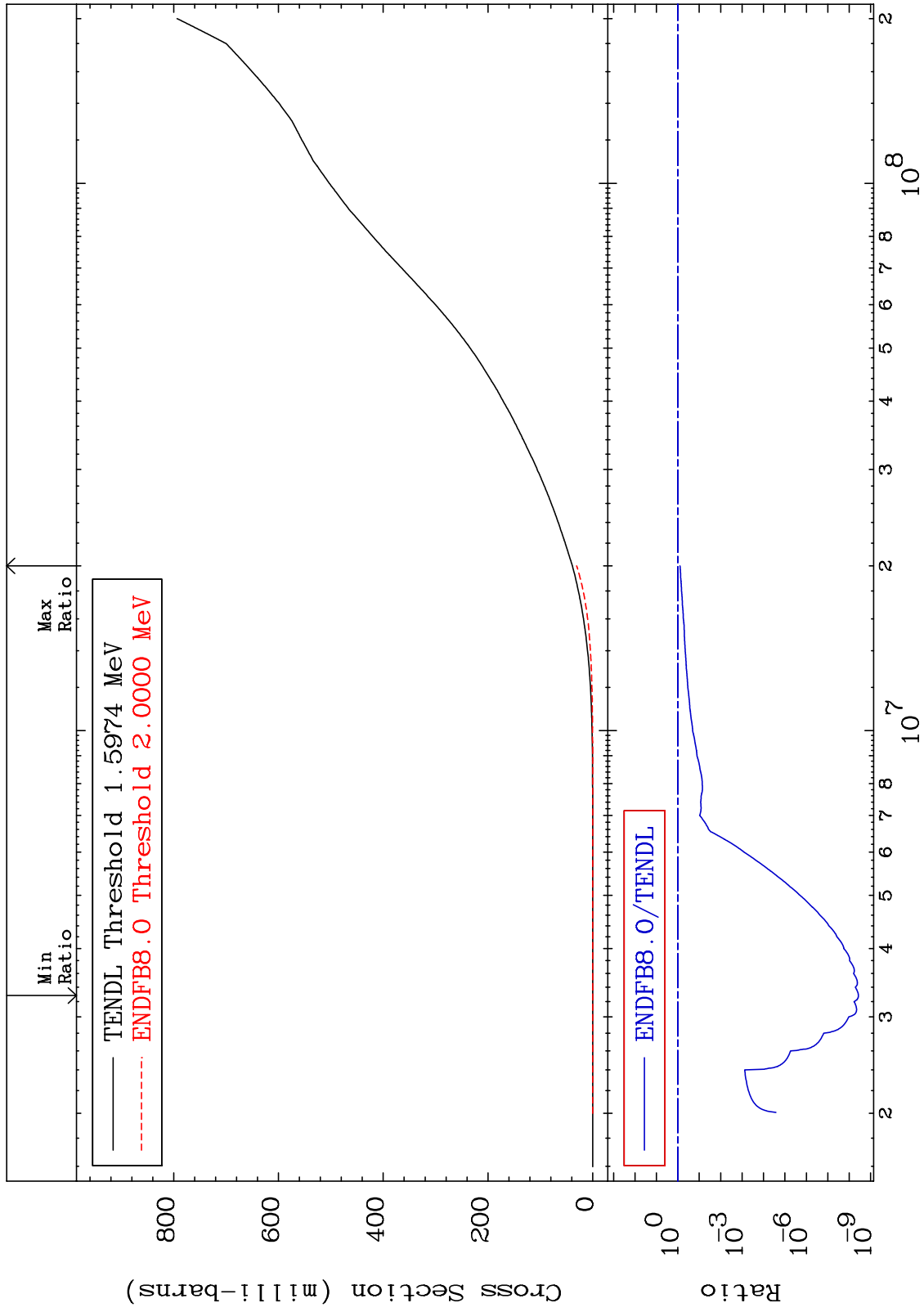
Incident Energy (eV)

50-Sn-119

MAT 5046

Hydrogen Production
Cross Section

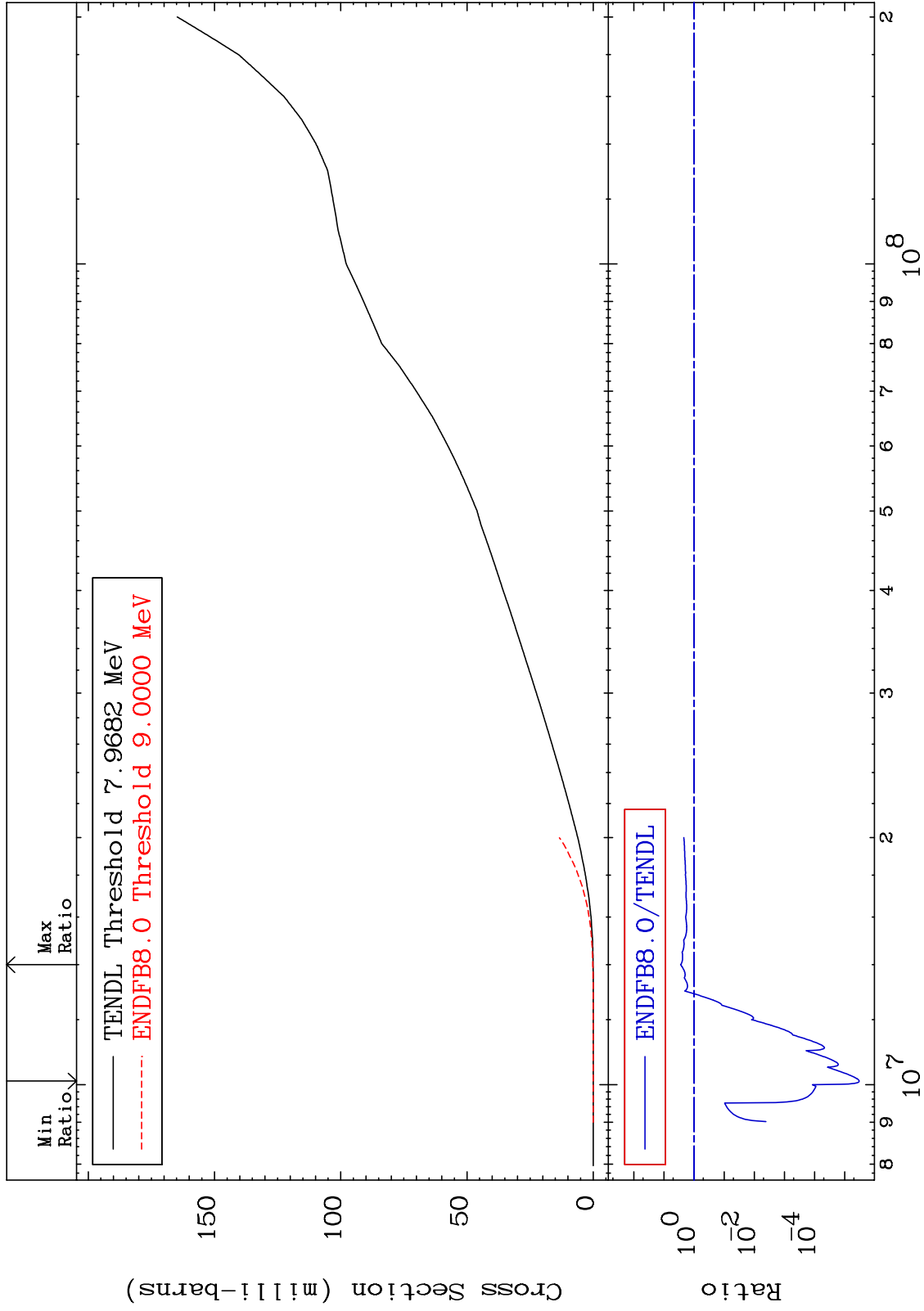
50-Sn-119
-100.0 To -21.03%



MAT 5046

Deuterium Production
Cross Section

50-Sn-119
-100.0 To 180.9 %



36

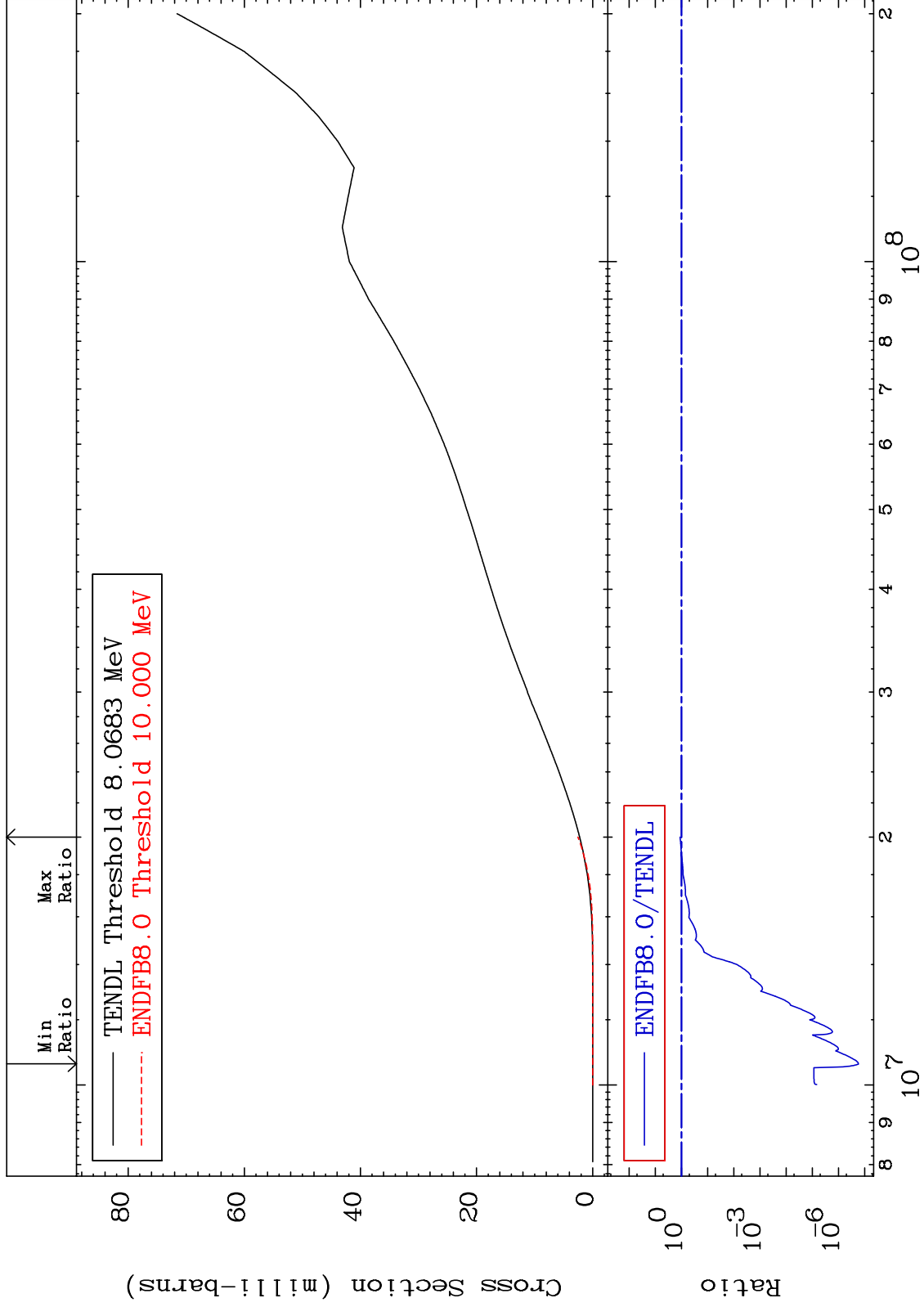
Incident Energy (eV)

50-Sn-119

MAT 5046

Tritium Production
Cross Section

50-Sn-119
-100.0 To 13.81 %



37

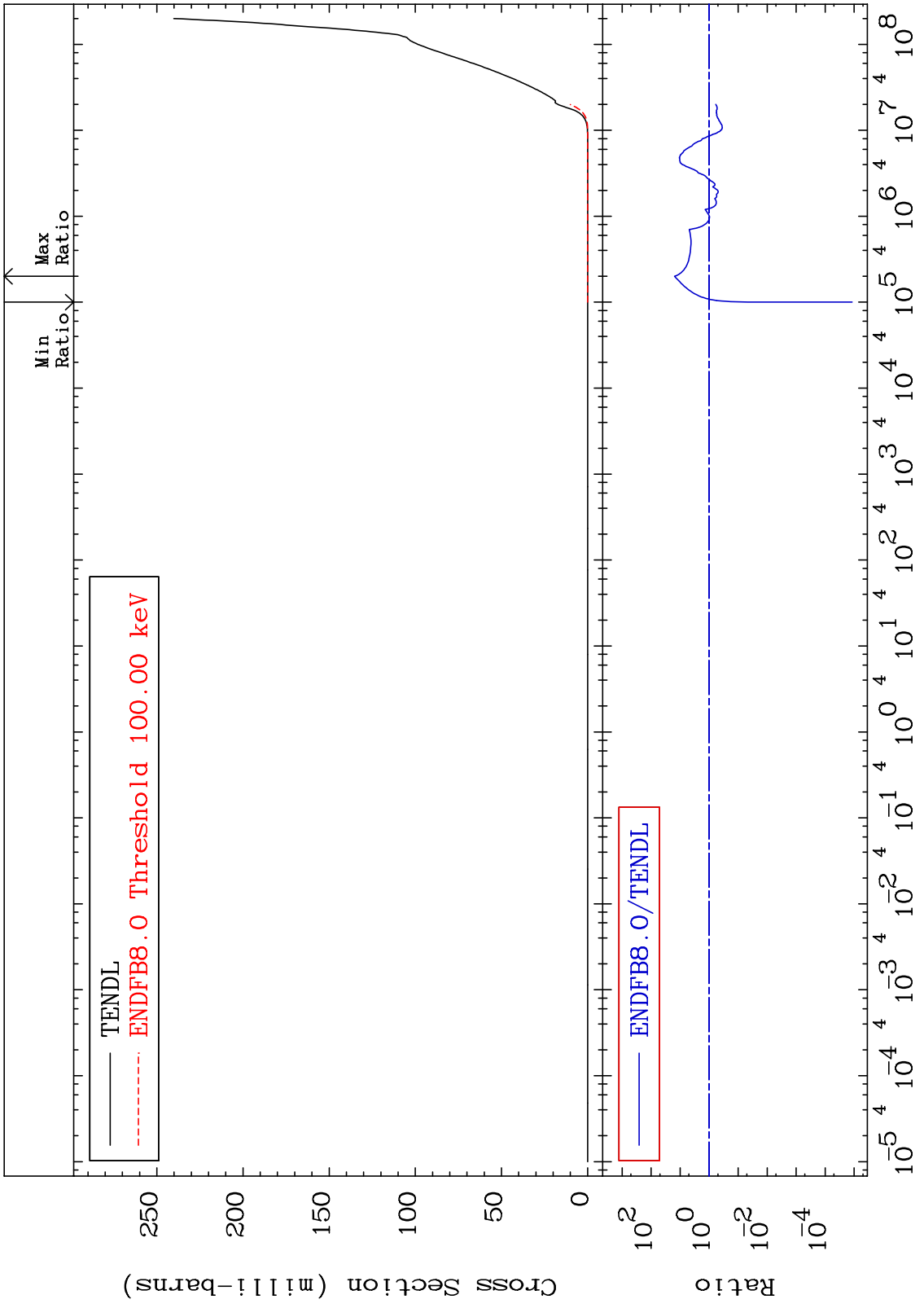
Incident Energy (eV)

50-Sn-119

MAT 5046

He-4 Production
Cross Section

50-Sn-119
-100.0 To 1454. %



38

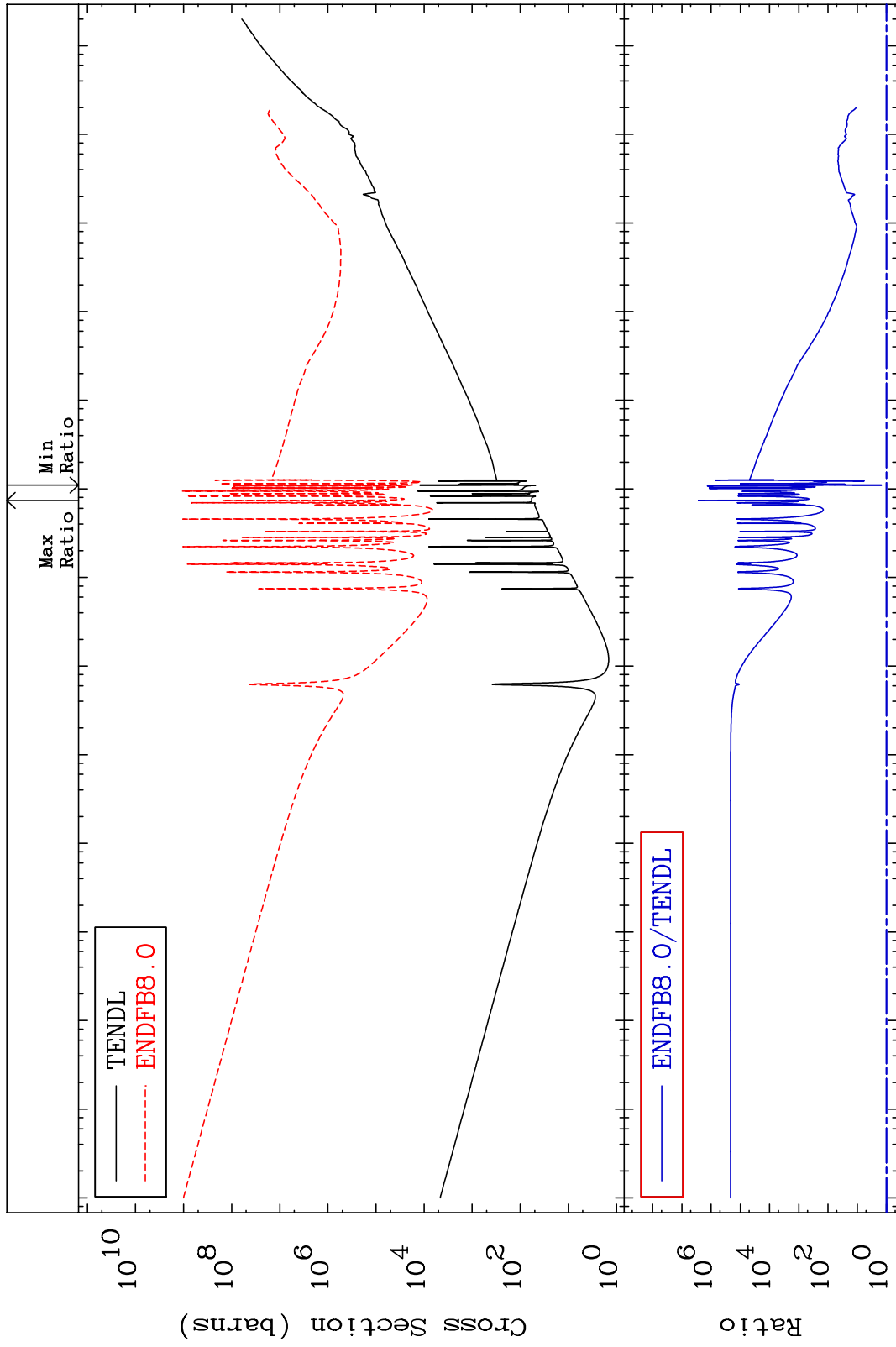
Incident Energy (eV)

50-Sn-119

MAT 5046

Kerma total (eV-barns)
Cross Section

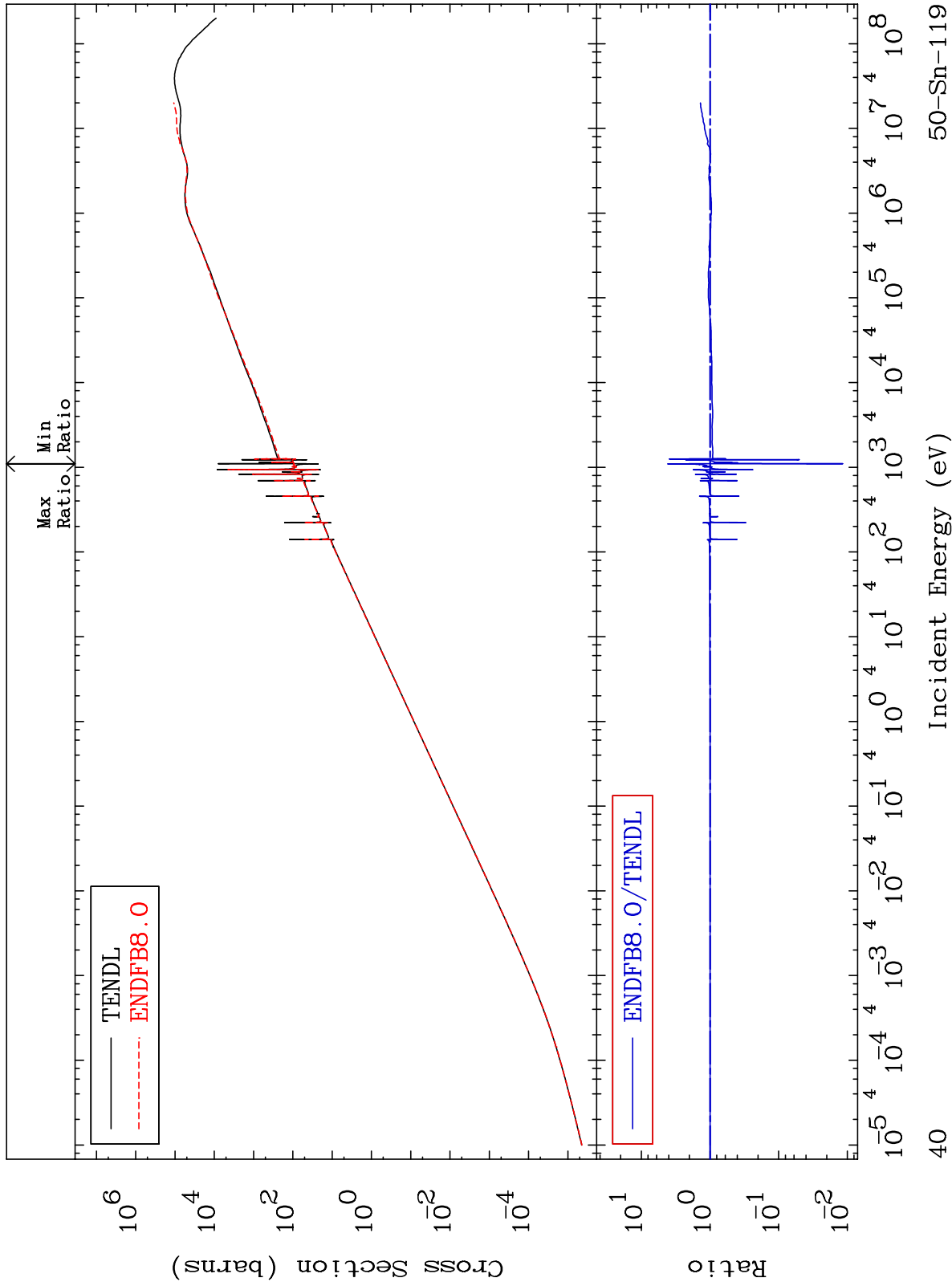
50-Sn-119
47.20 To 9999. %



MAT 5046

Kerma elastic
Cross Section

50-Sn-119
-98.83 To 315.5 %



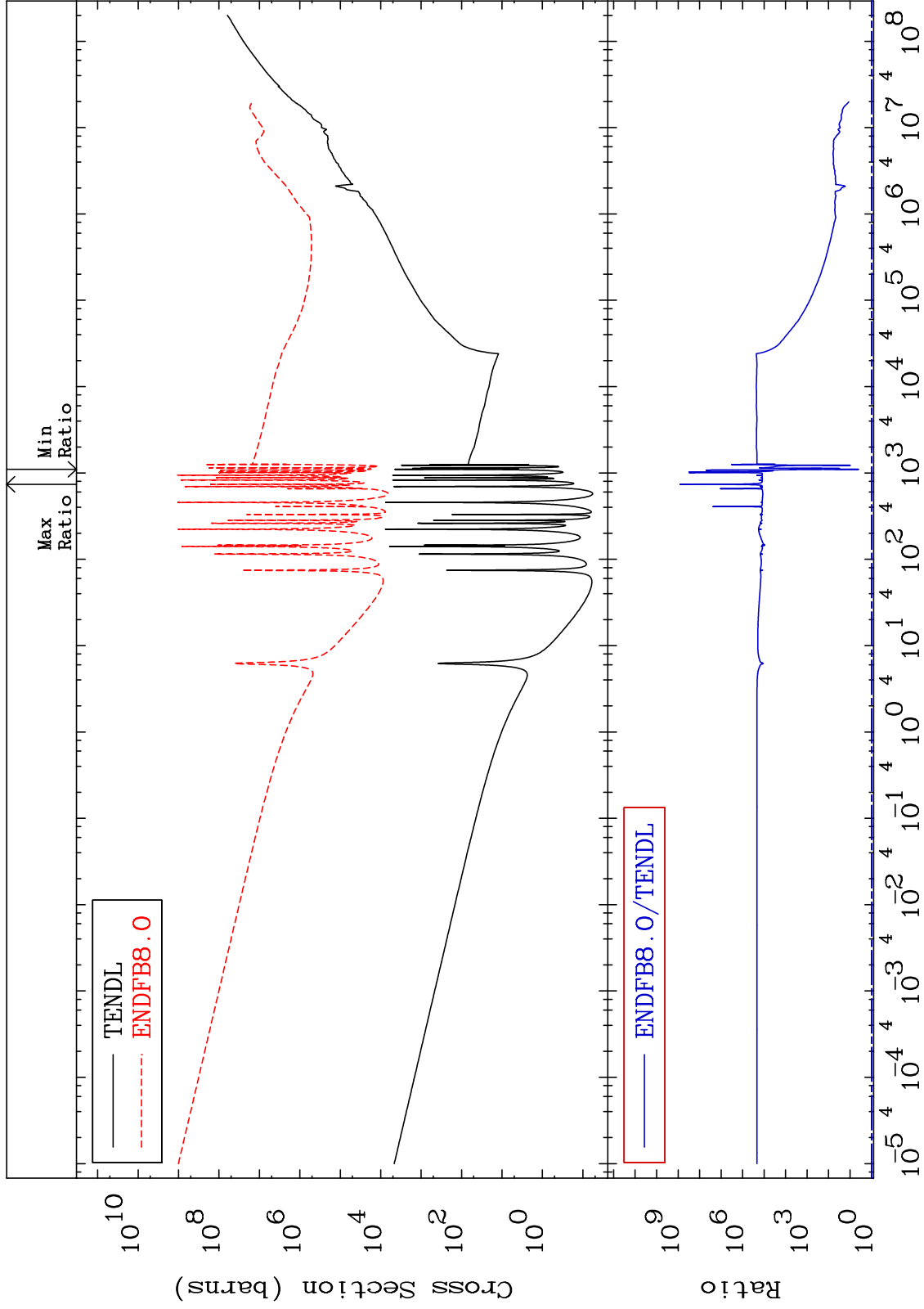
40

50-Sn-119

MAT 5046

Kerma non-elastic (all but mt2)
Cross Section

50-Sn-119
309.4 To 9999. %



41

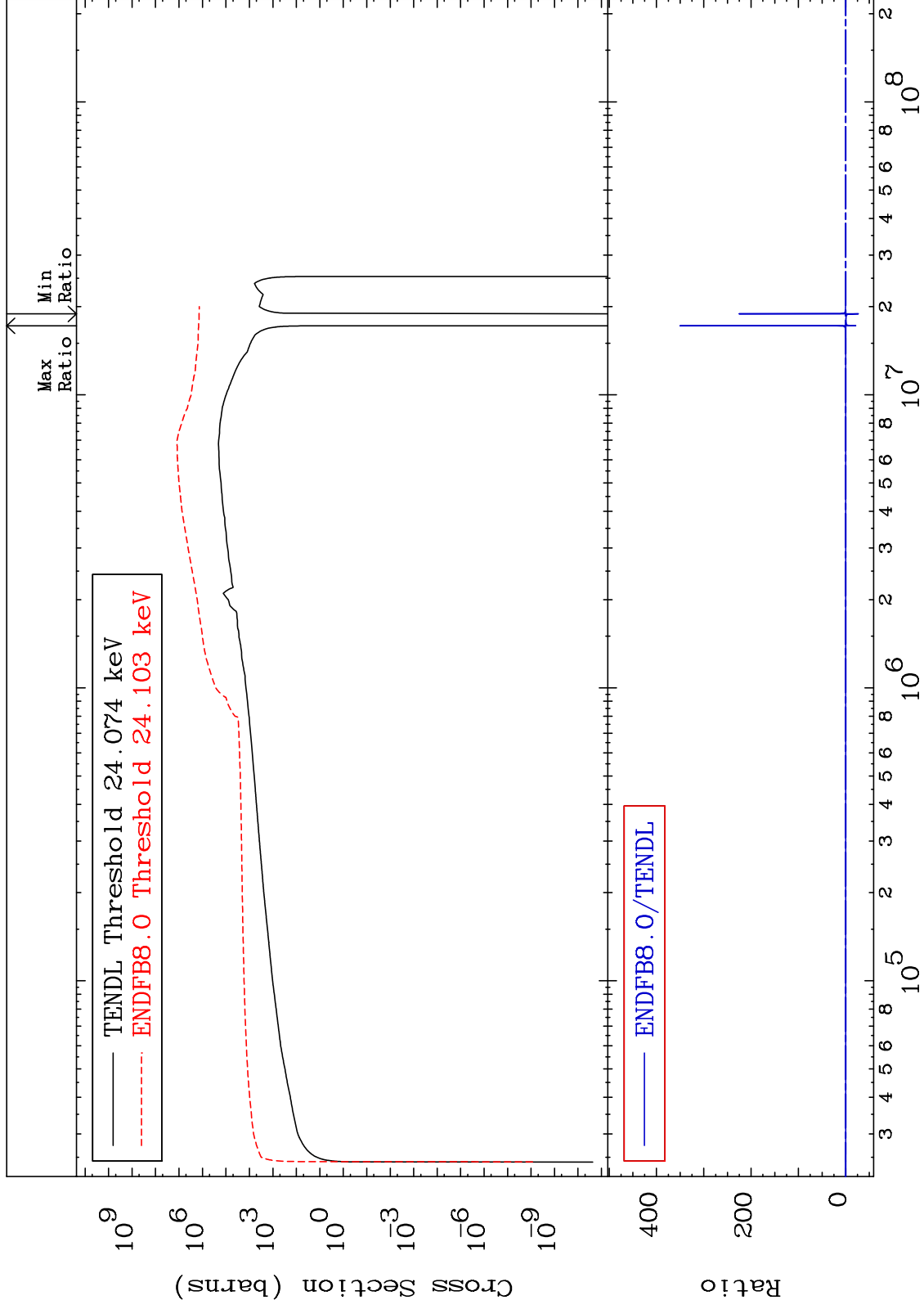
Incident Energy (eV)

50-Sn-119

MAT 5046

Kerma inelastic (mt51-91)
Cross Section

50-Sn-119
-9999. To 9999. %



42

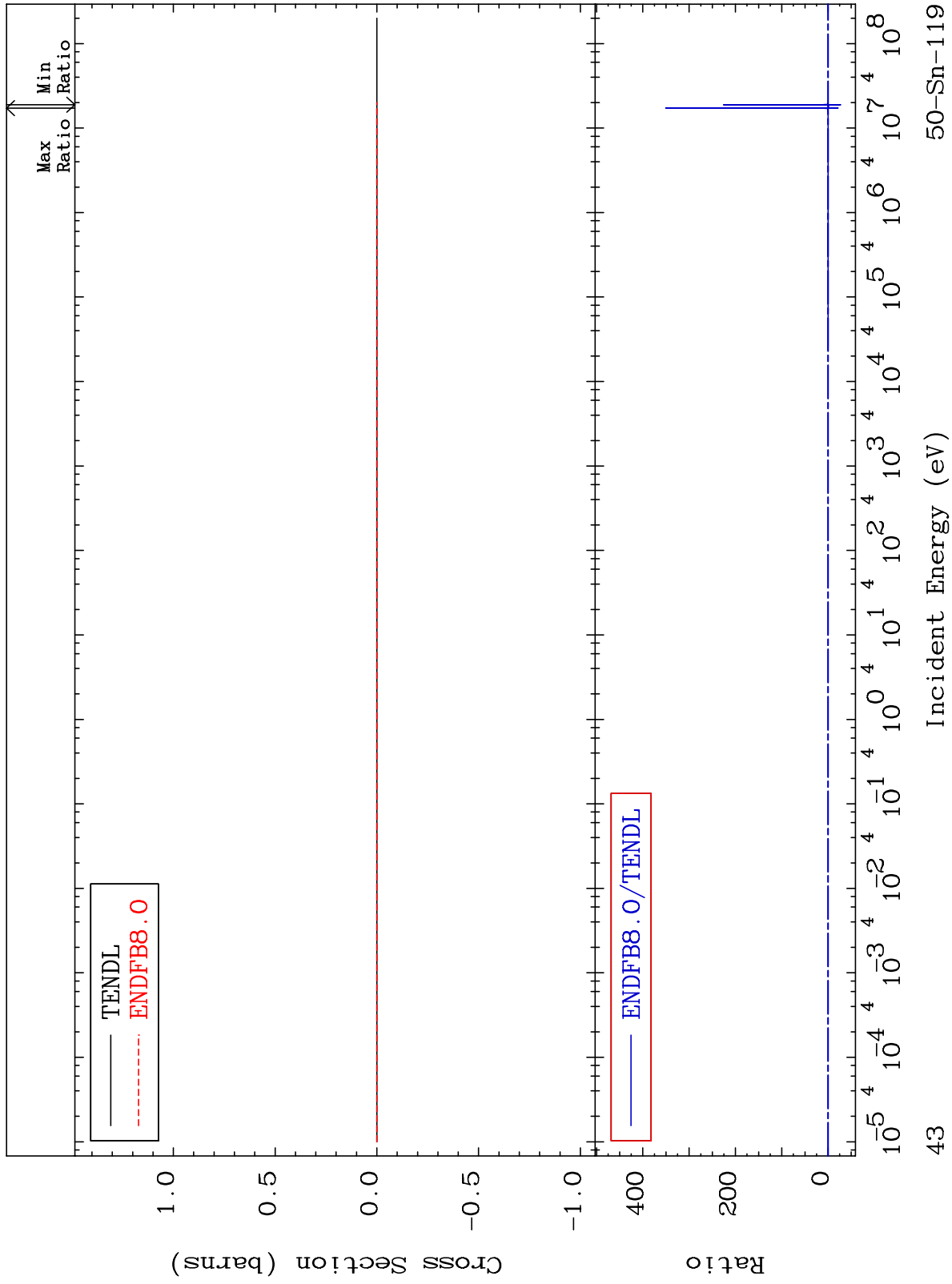
Incident Energy (eV)

50-Sn-119

MAT 5046

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

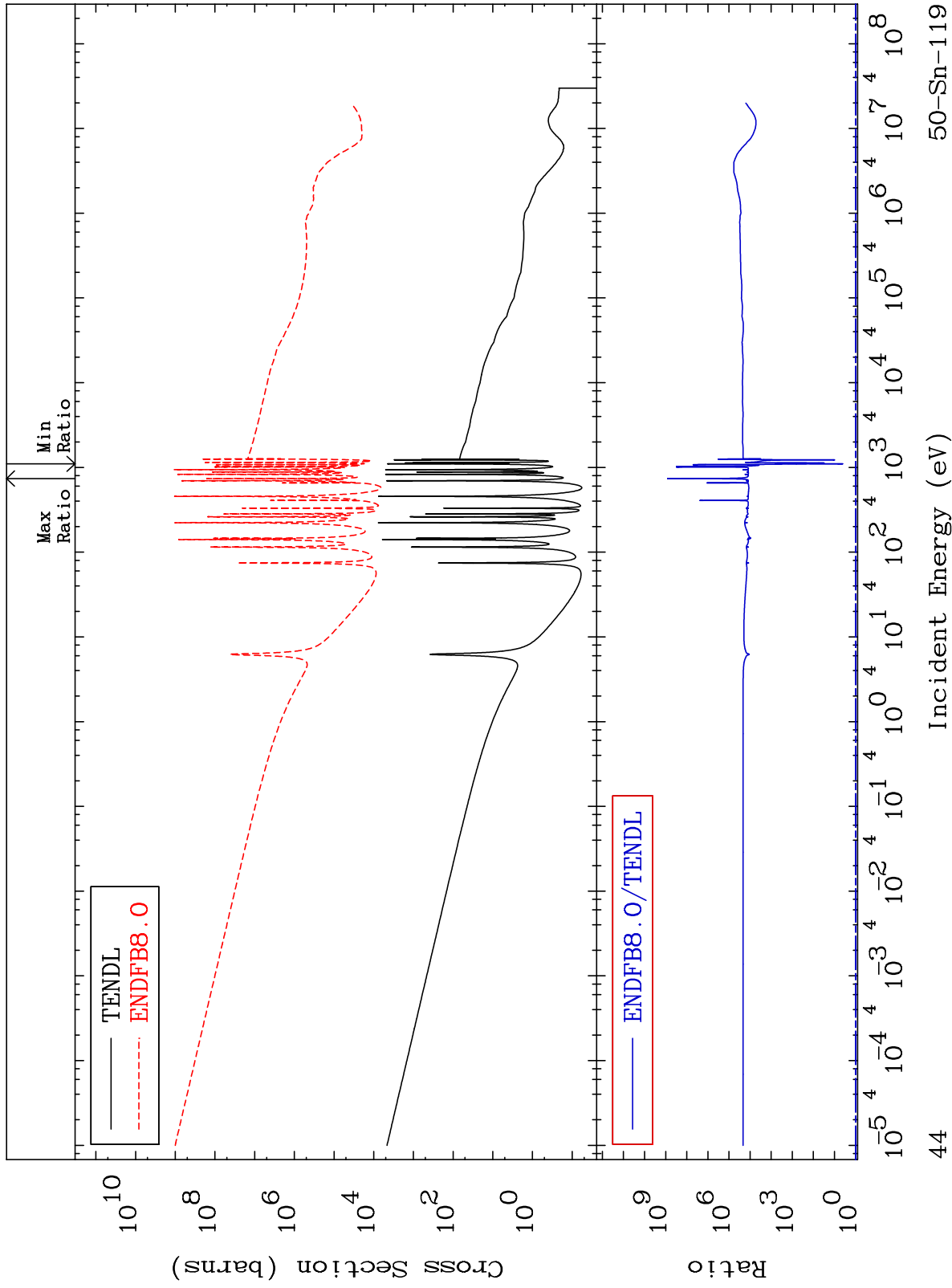
50-Sn-119
-9999. To 9999. %



MAT 5046

Kerma capture (mt102)
Cross Section

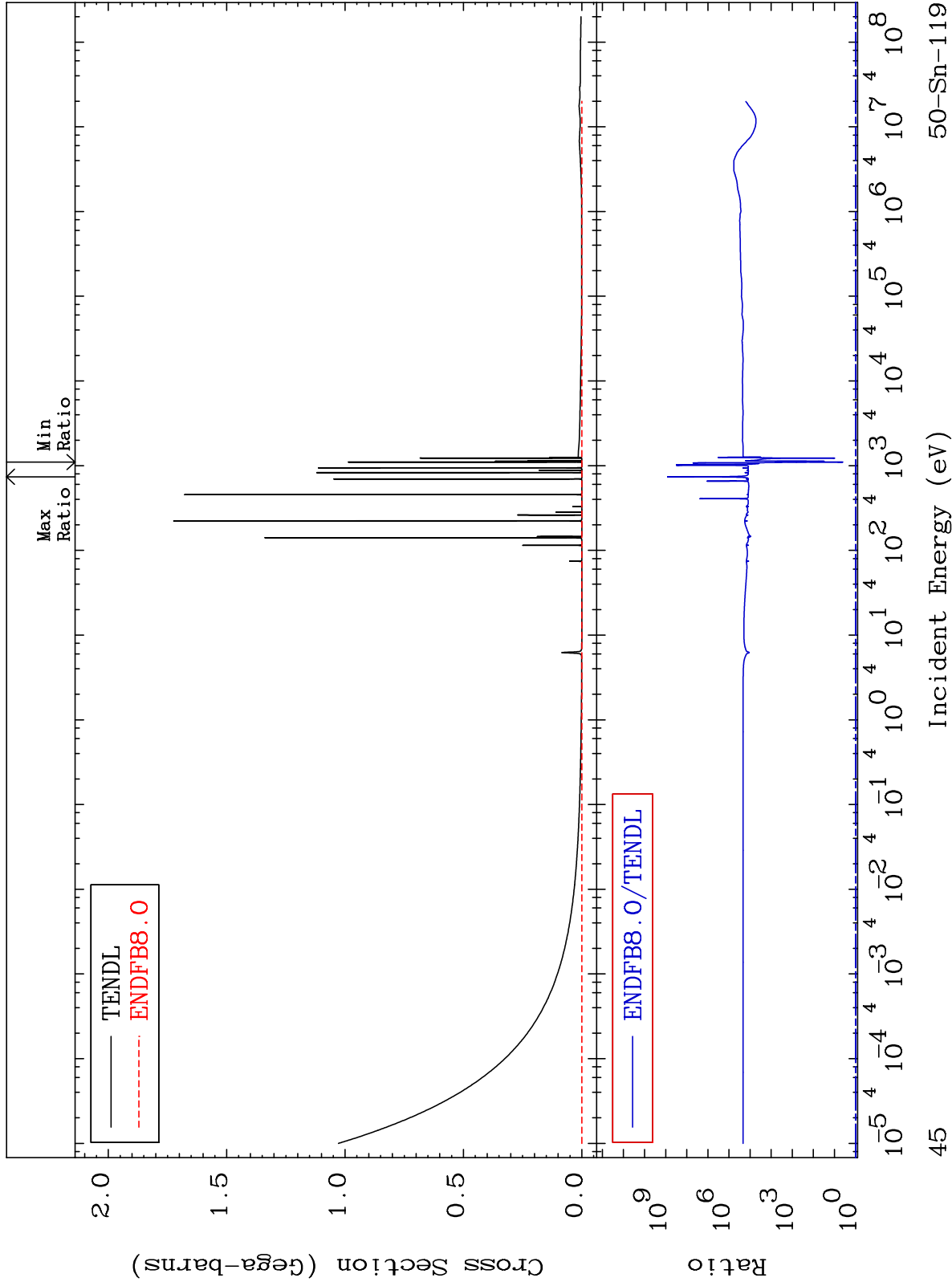
50-Sn-119
309.4 To 9999. %



MAT 5046

Total photon (eV-barns)
Cross Section

50-Sn-119
309.4 To 9999. %



45

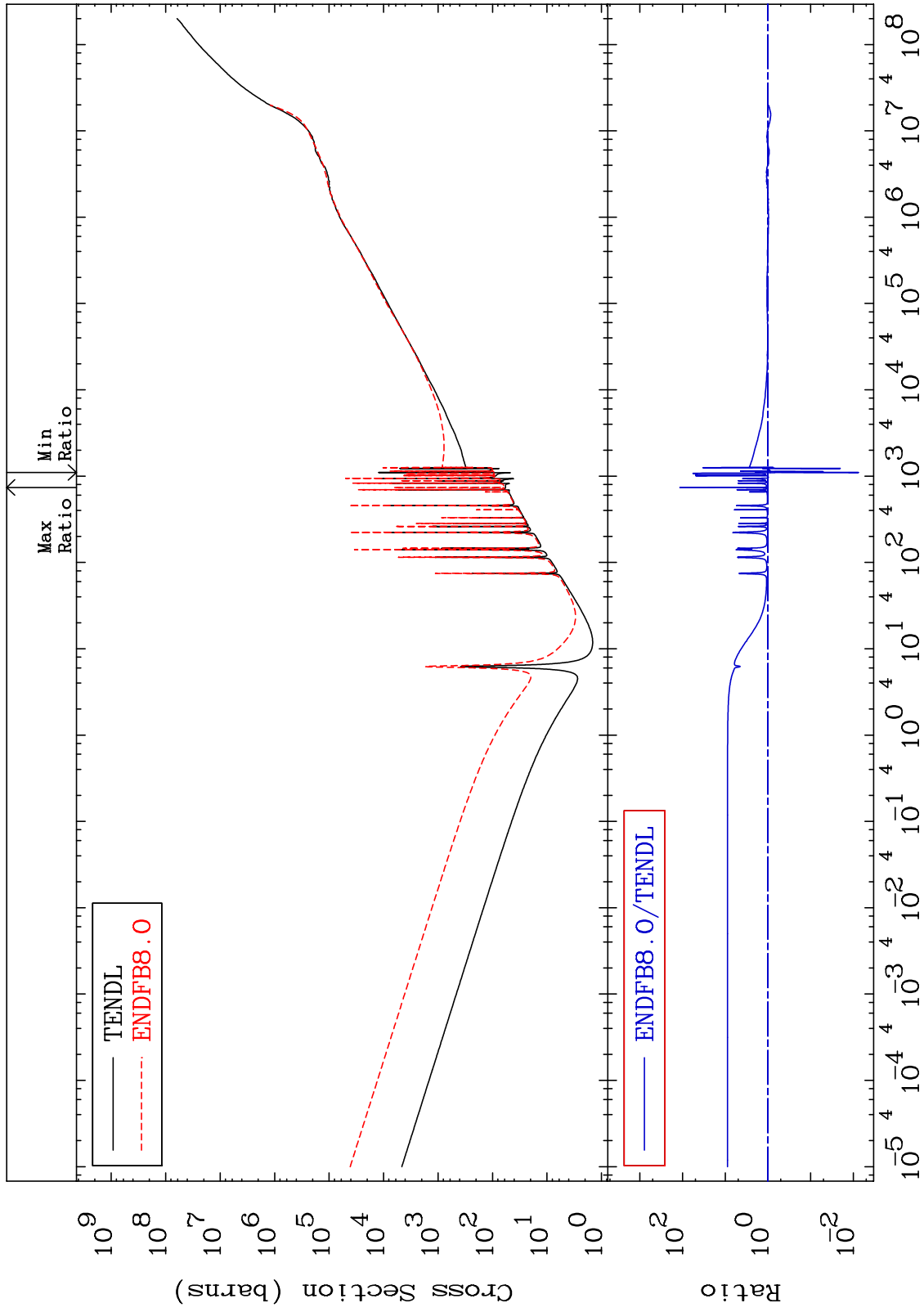
Incident Energy (eV)

50-Sn-119

MAT 5046

Total kinematic kerma (high limit)
Cross Section

50-Sn-119
-99.24 To 9999. %



46

Incident Energy (eV)

50-Sn-119

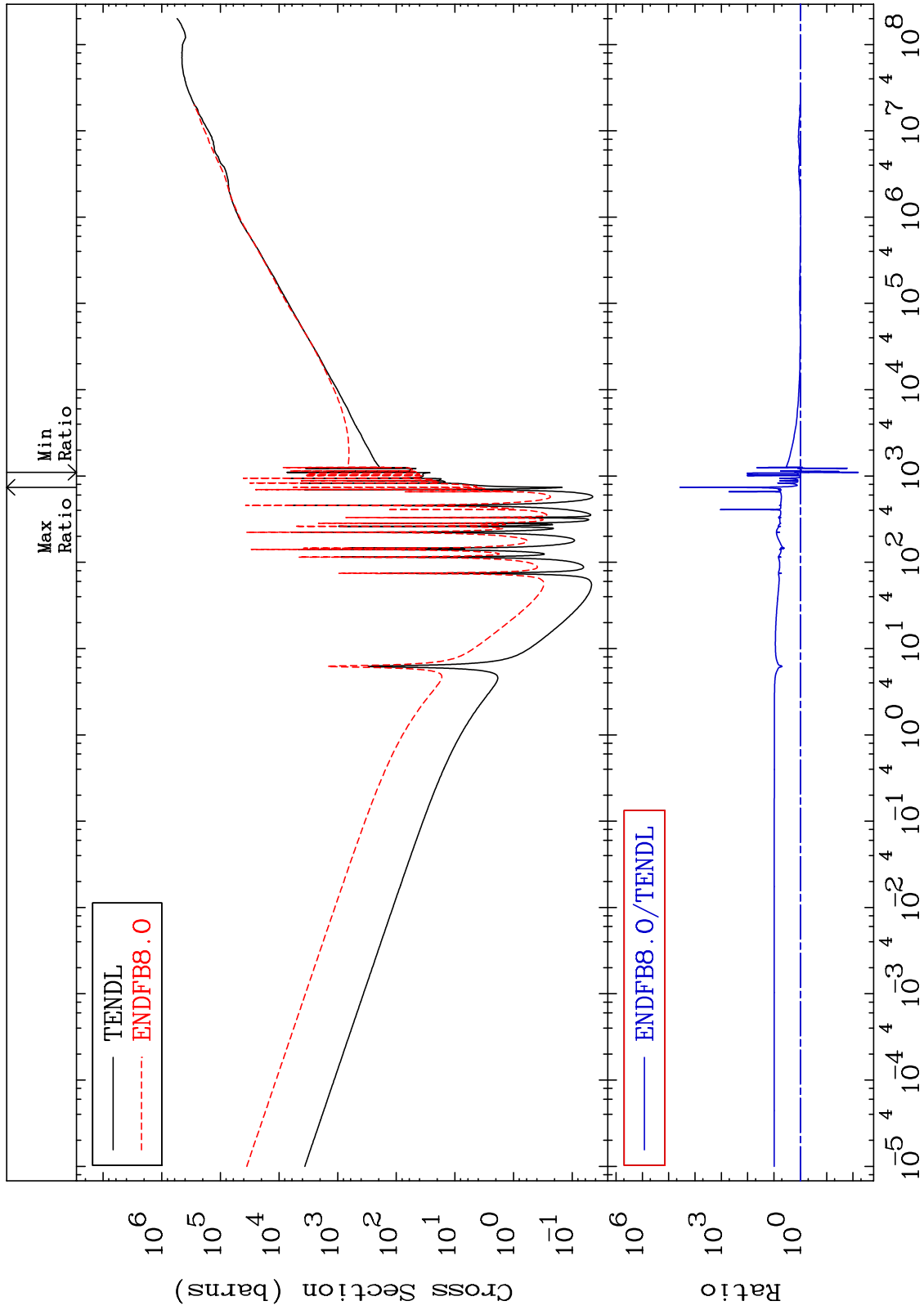
MAT 5046

Dpa total (eV-barns)

50-Sn-119

-99.38 To 9999. %

Cross Section



47

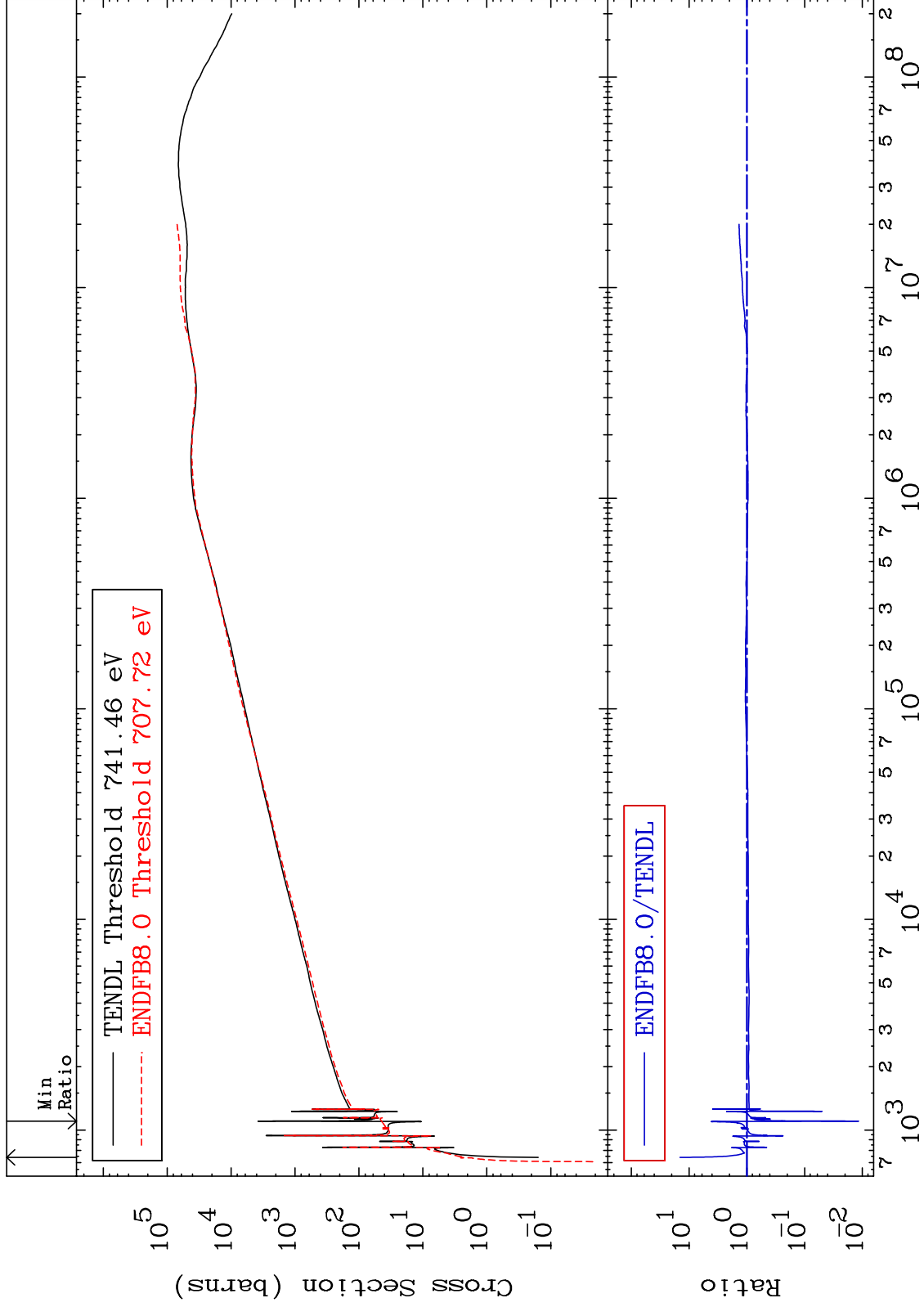
Incident Energy (eV)

50-Sn-119

MAT 5046

Dpa elastic (mt2)
Cross Section

50-Sn-119
-98.83 To 1334. %



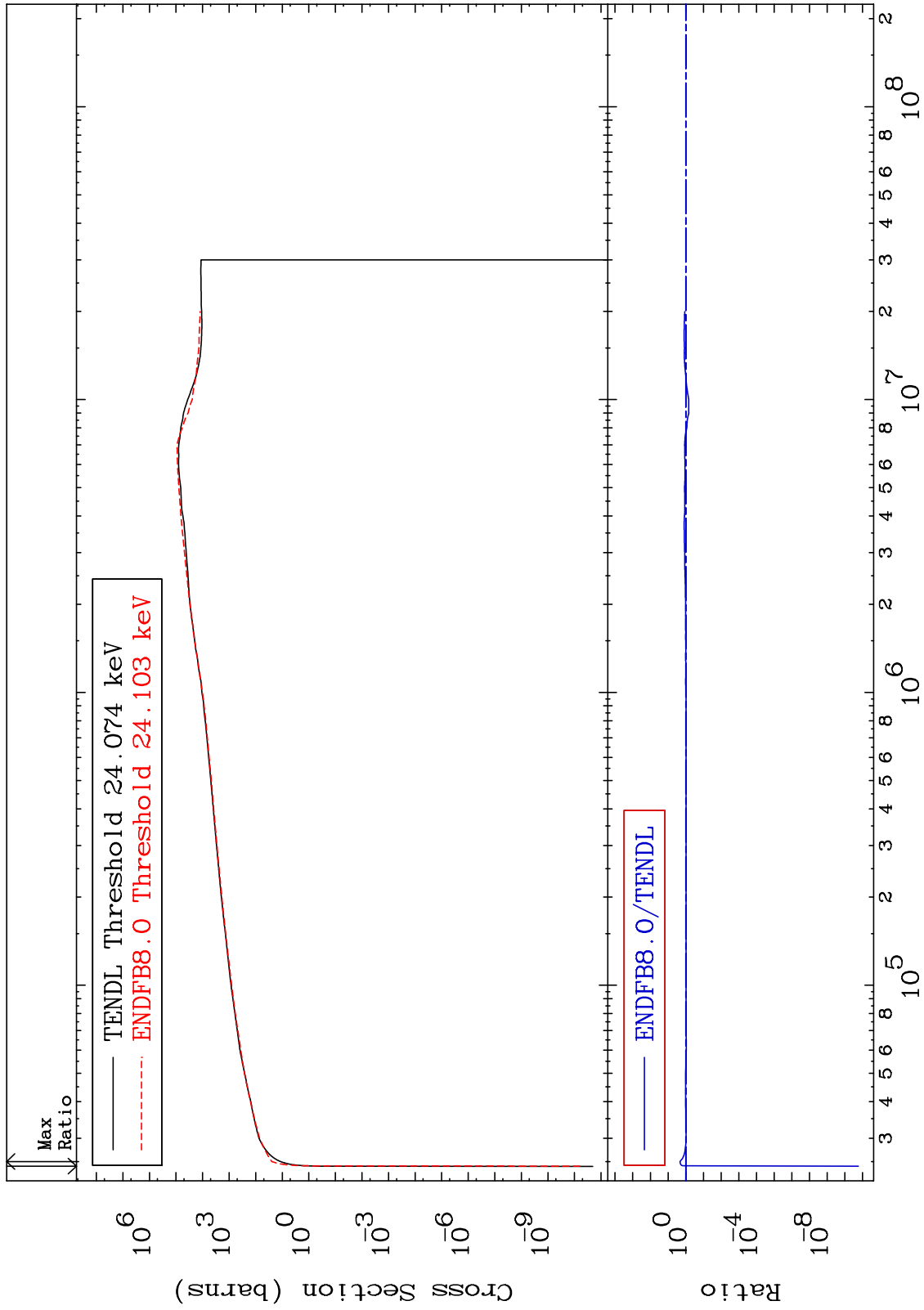
48

50-Sn-119

MAT 5046

Dpa inelastic (mt51-91)
Cross Section

50-Sn-119
-100.0 To 111.1 %



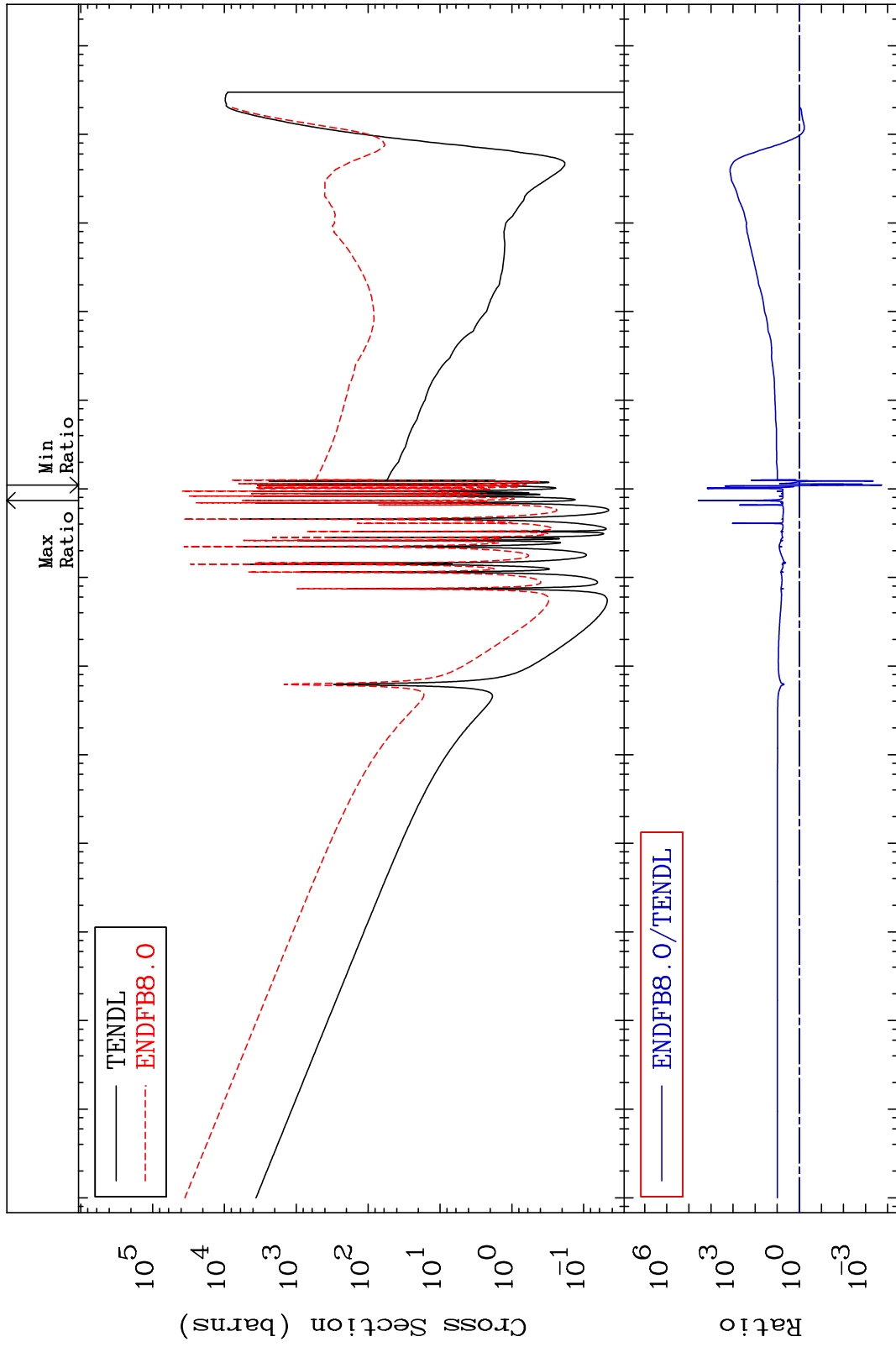
MAT 5046

Dpa disappearance (mt102 -120)

50-Sn-119

-99.98 To 9999. %

Cross Section



50

Incident Energy (eV)

50-Sn-119