

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

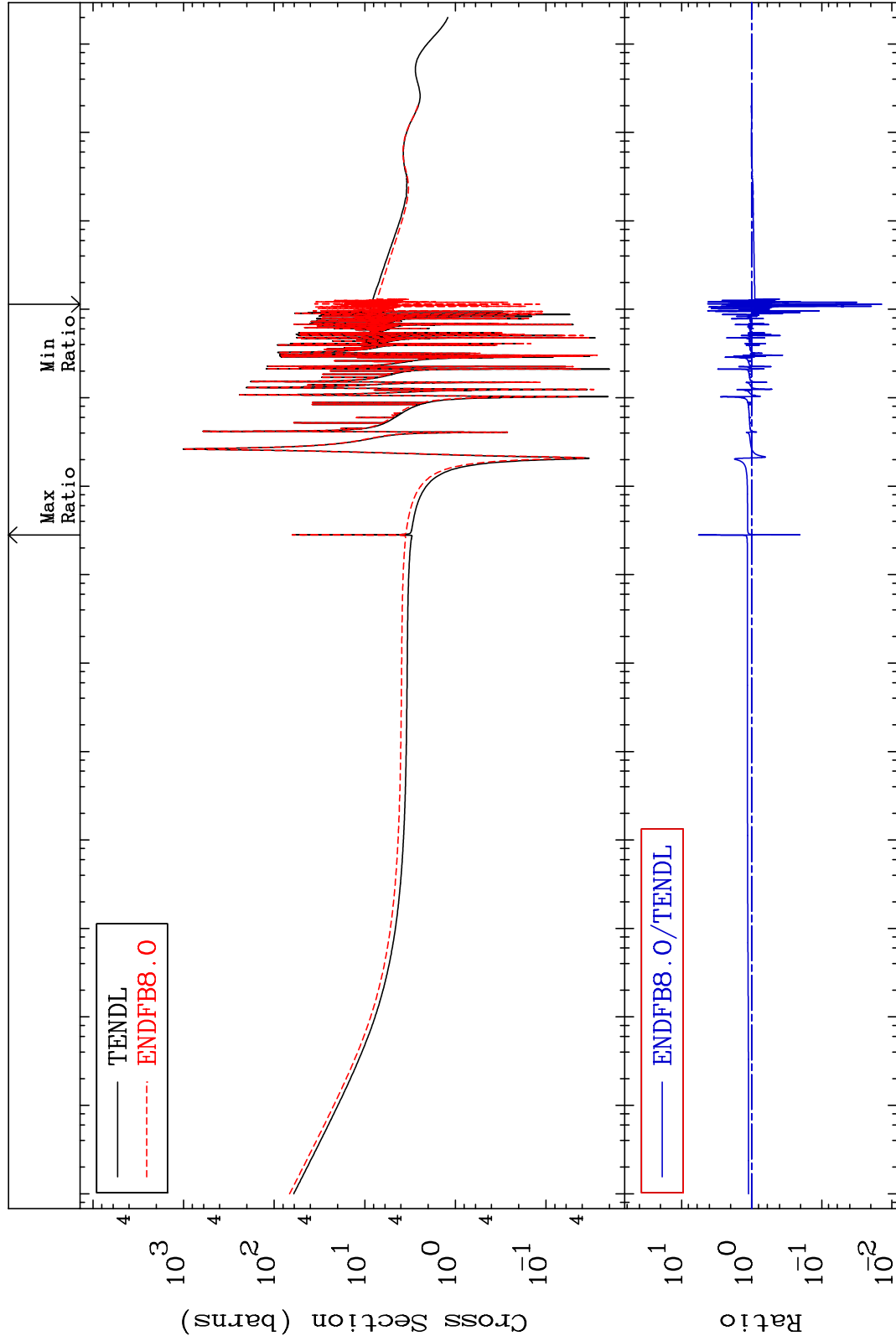
MAT 3025

Total

30-Zn-64

Cross Section

-98.60 To 469.7 %



30-Zn-64

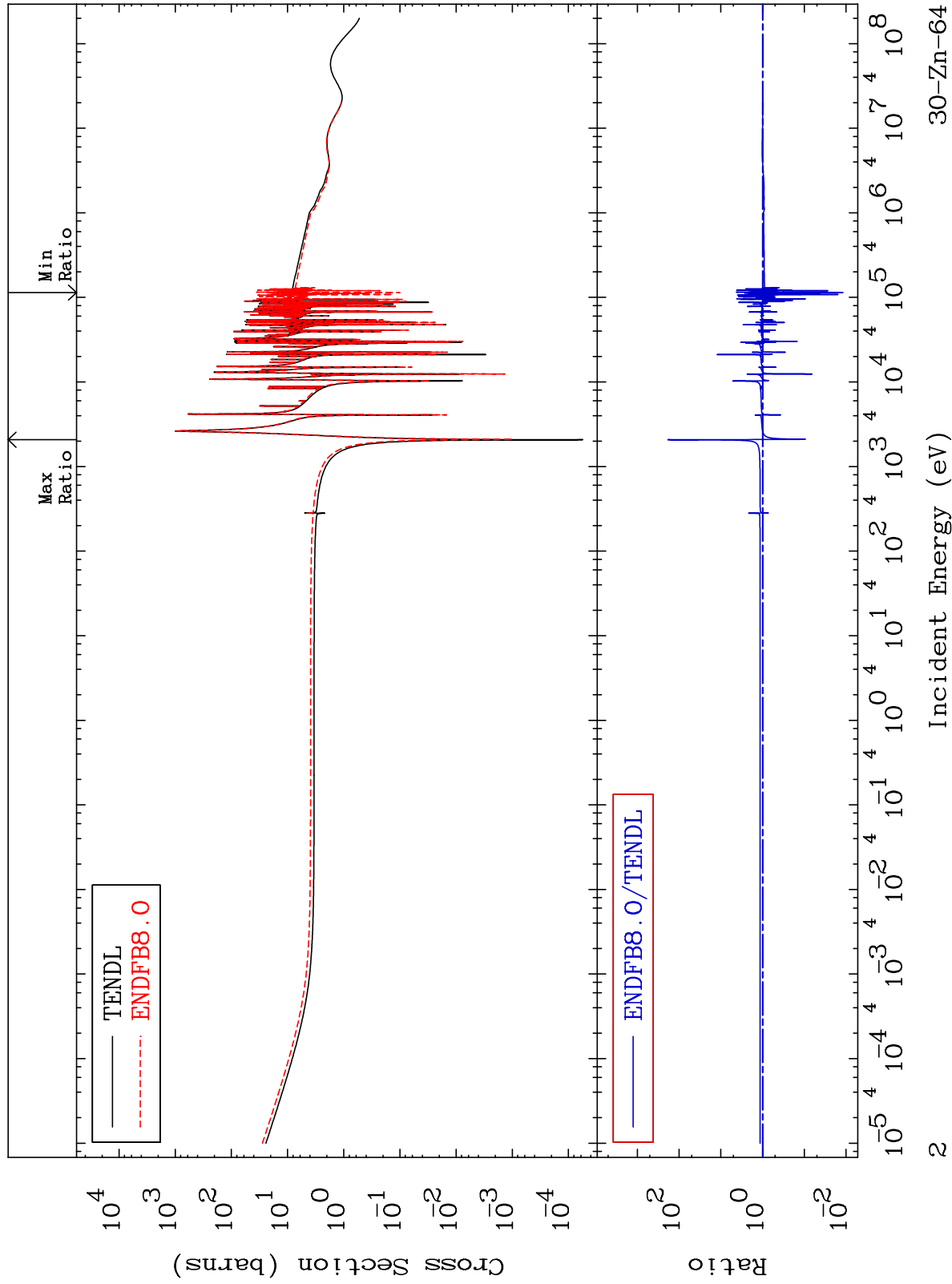
Incident Energy (eV)

1

MAT 3025

Elastic
Cross Section

30-Zn-64
-98.80 To 9999. %

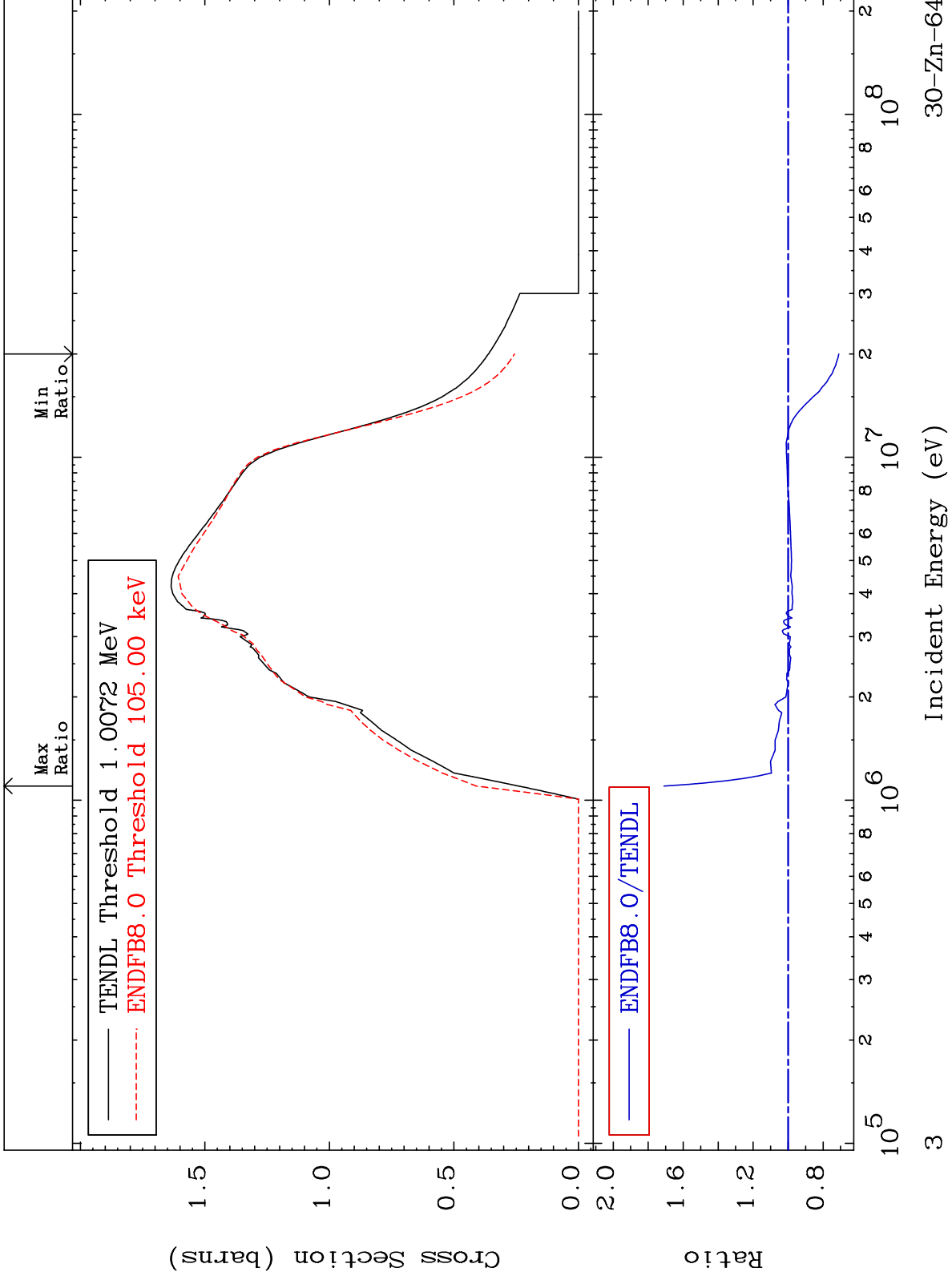


MAT 3025

Inelastic
Cross Section

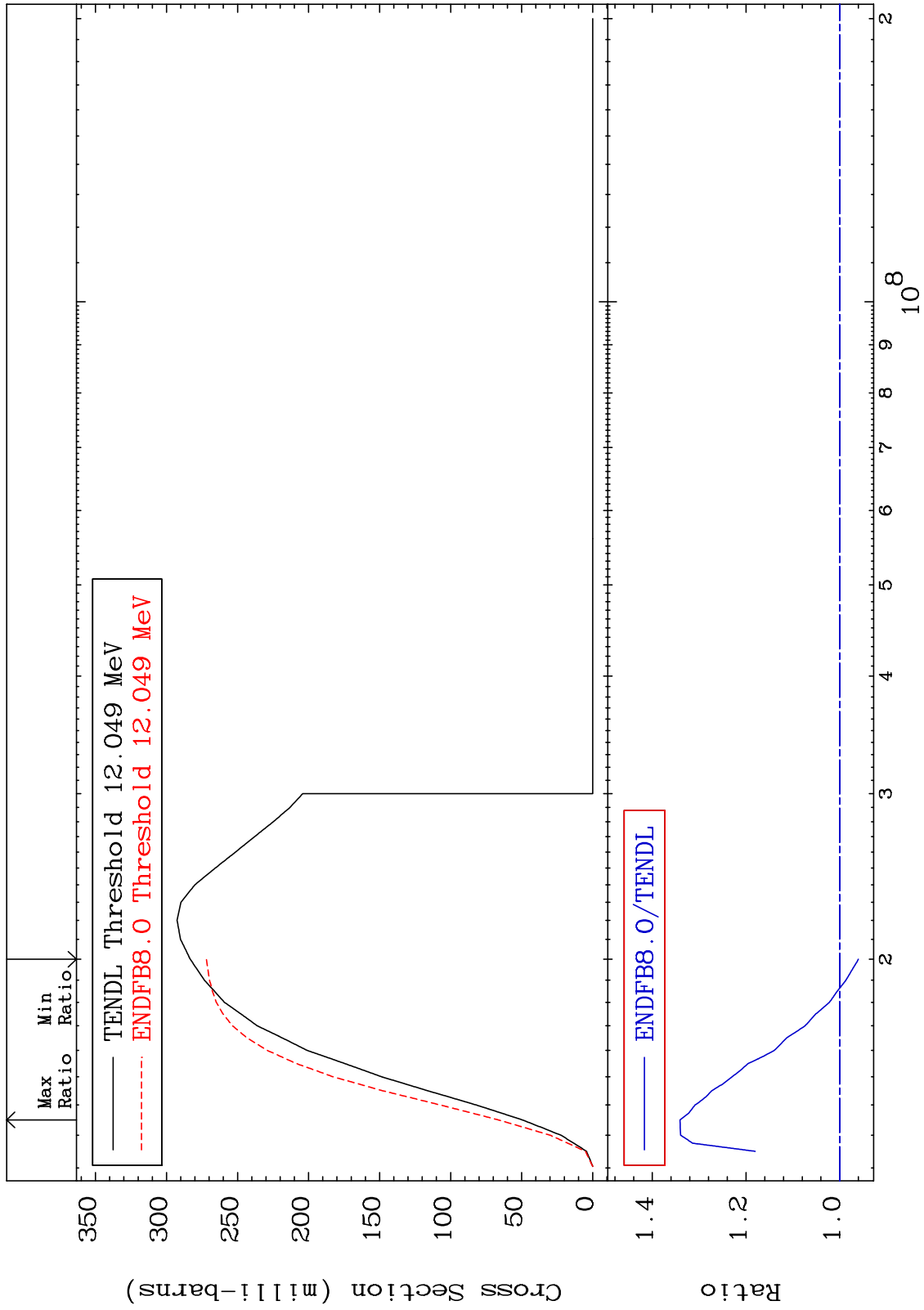
30-Zn-64

-29.00 To 70.95 %



30-Zn-64

MAT 3025 (n,2n) 30-Zn-64
 Cross Section -3.997 To 34.09 %



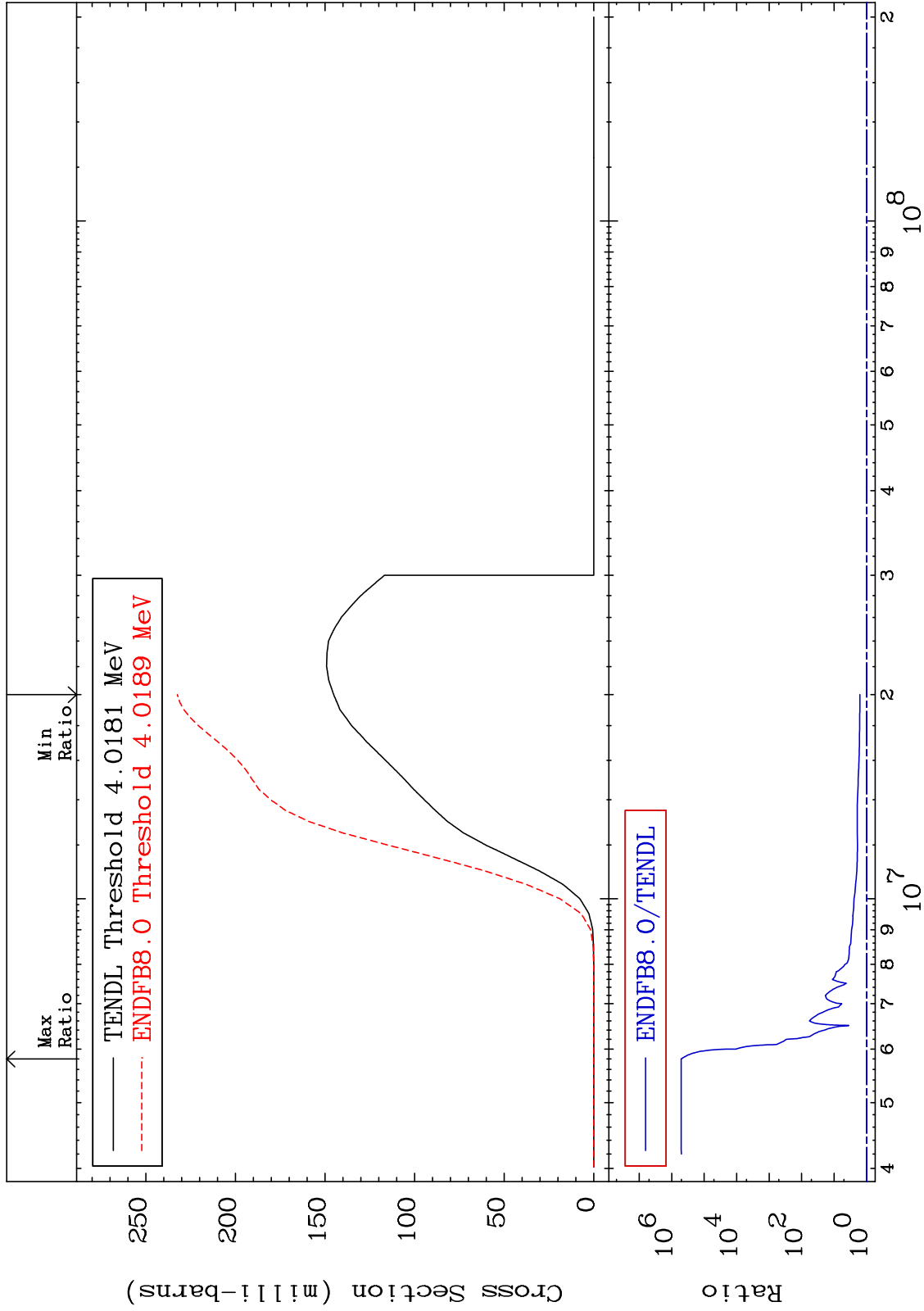
MAT 3025

(n,n') α

30-Zn-64

60.10 To 9999. %

Cross Section



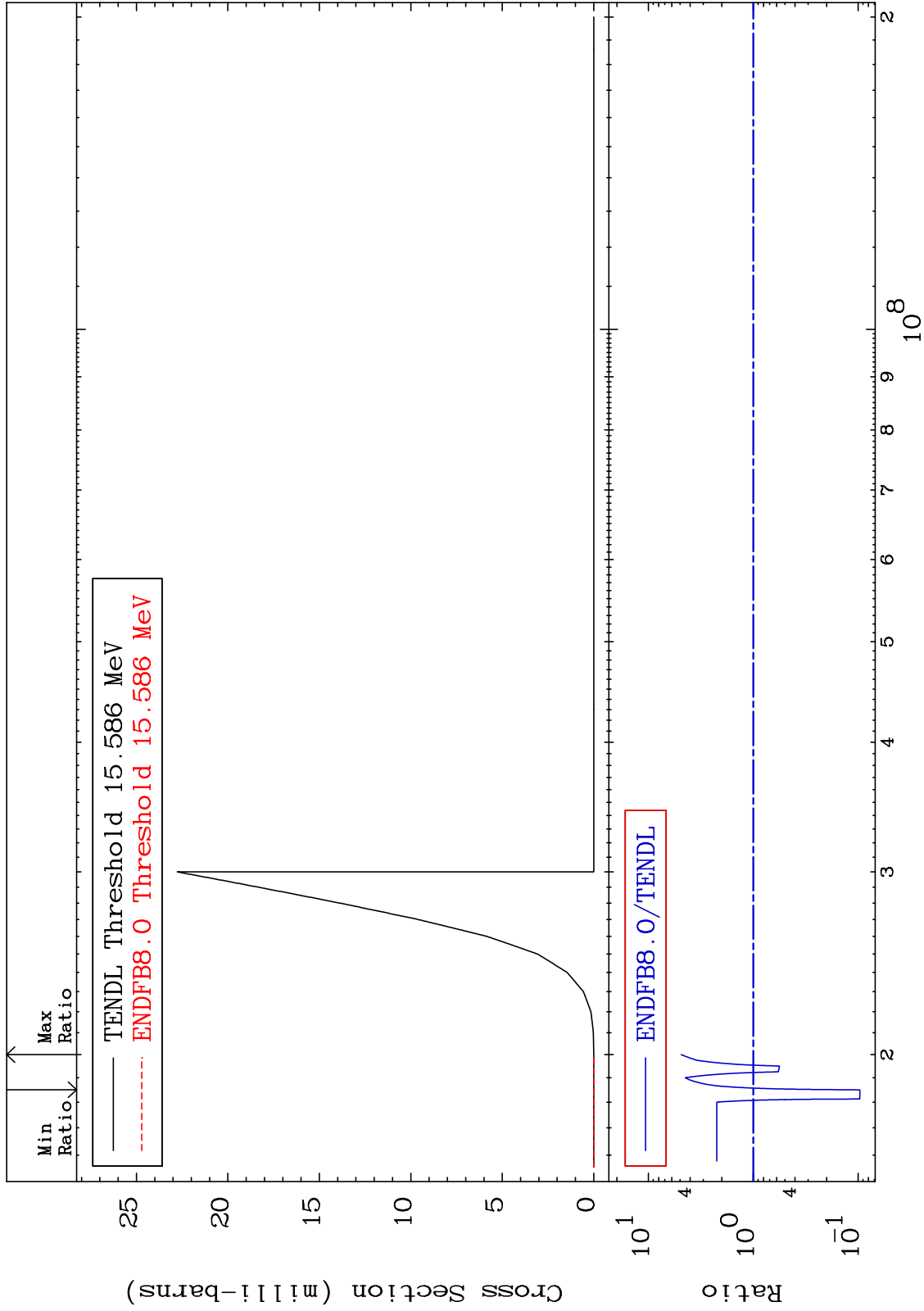
MAT 3025

(n,2n) α

30-Zn-64

Cross Section

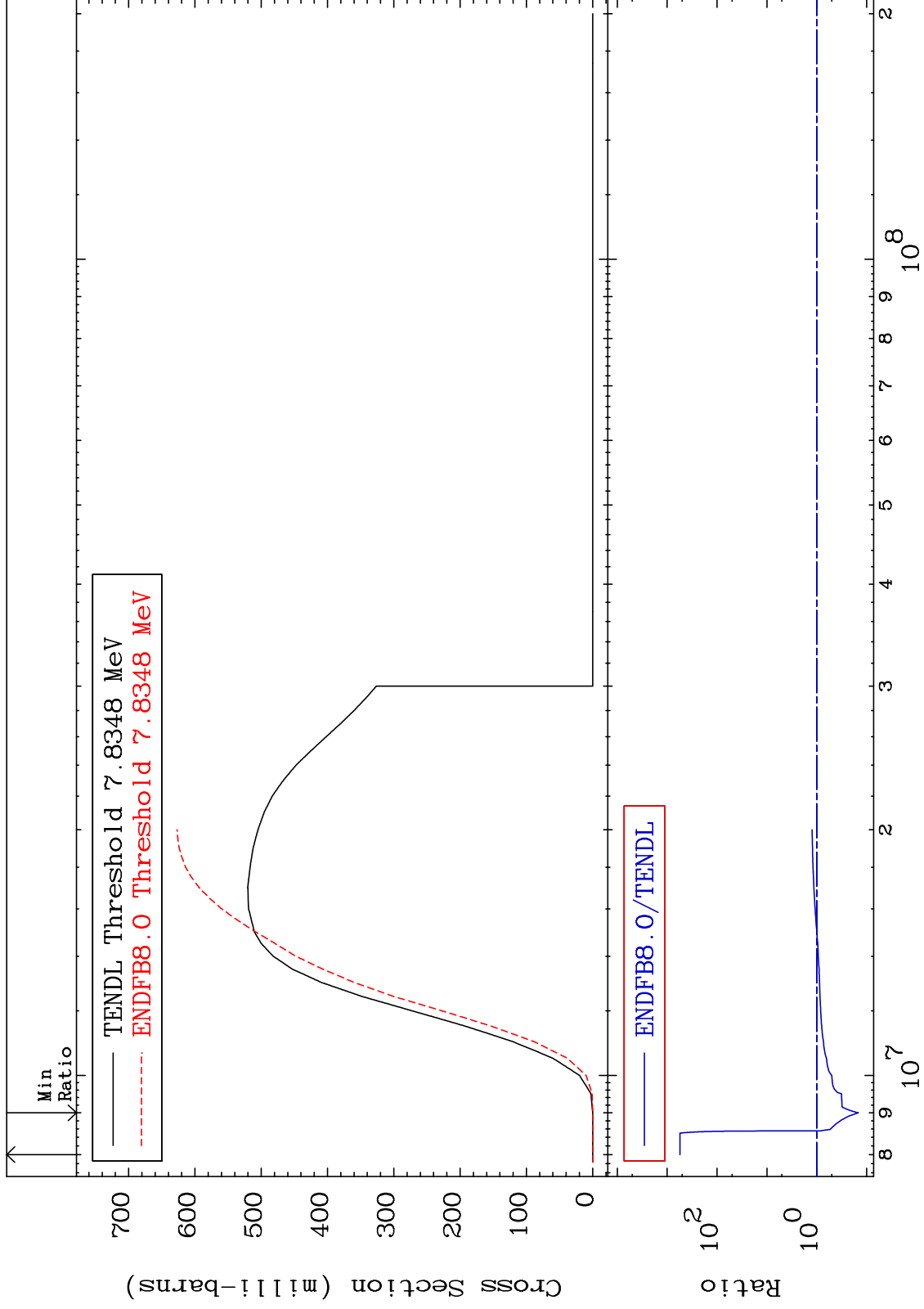
-90.39 To 387.1 %



MAT 3025

(n,n') p
Cross Section

30-Zn-64
-85.39 To 9999. %



7

Incident Energy (eV)

30-Zn-64

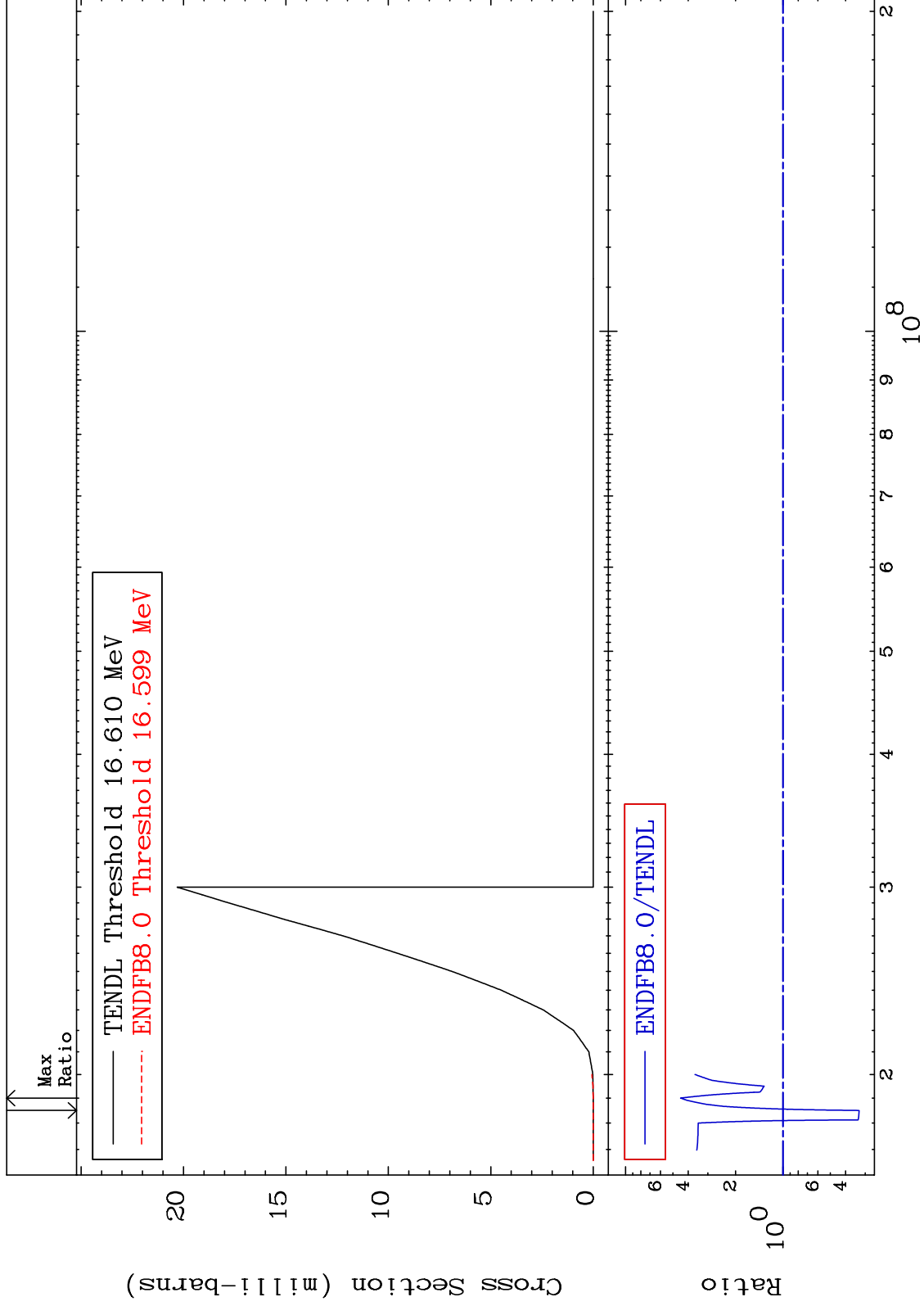
MAT 3025

(n,n') d

30-Zn-64

Cross Section

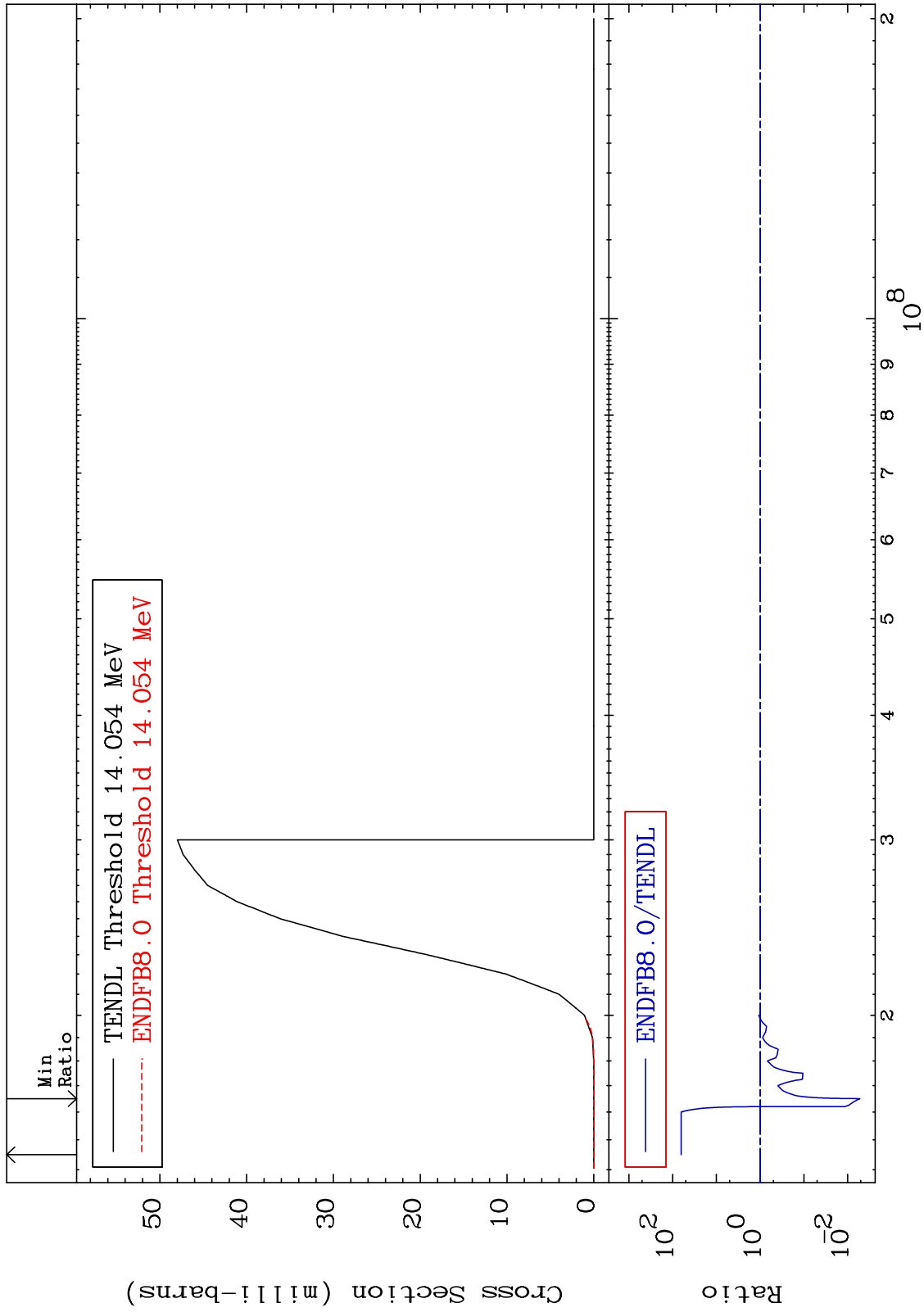
-67.17 To 347.1 %



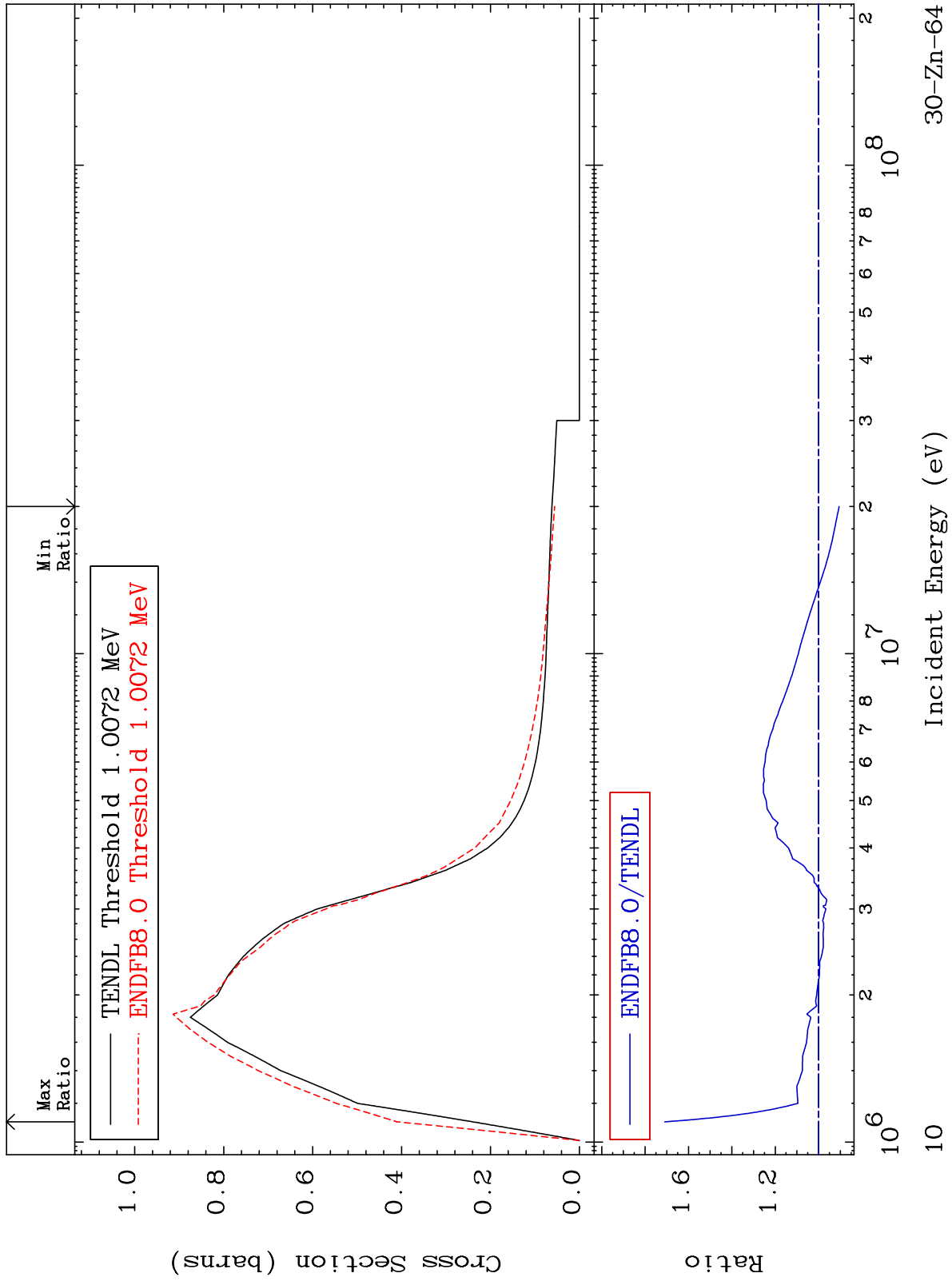
MAT 3025

(n,2n) p
Cross Section

30-Zn-64
-99.48 To 6258. %



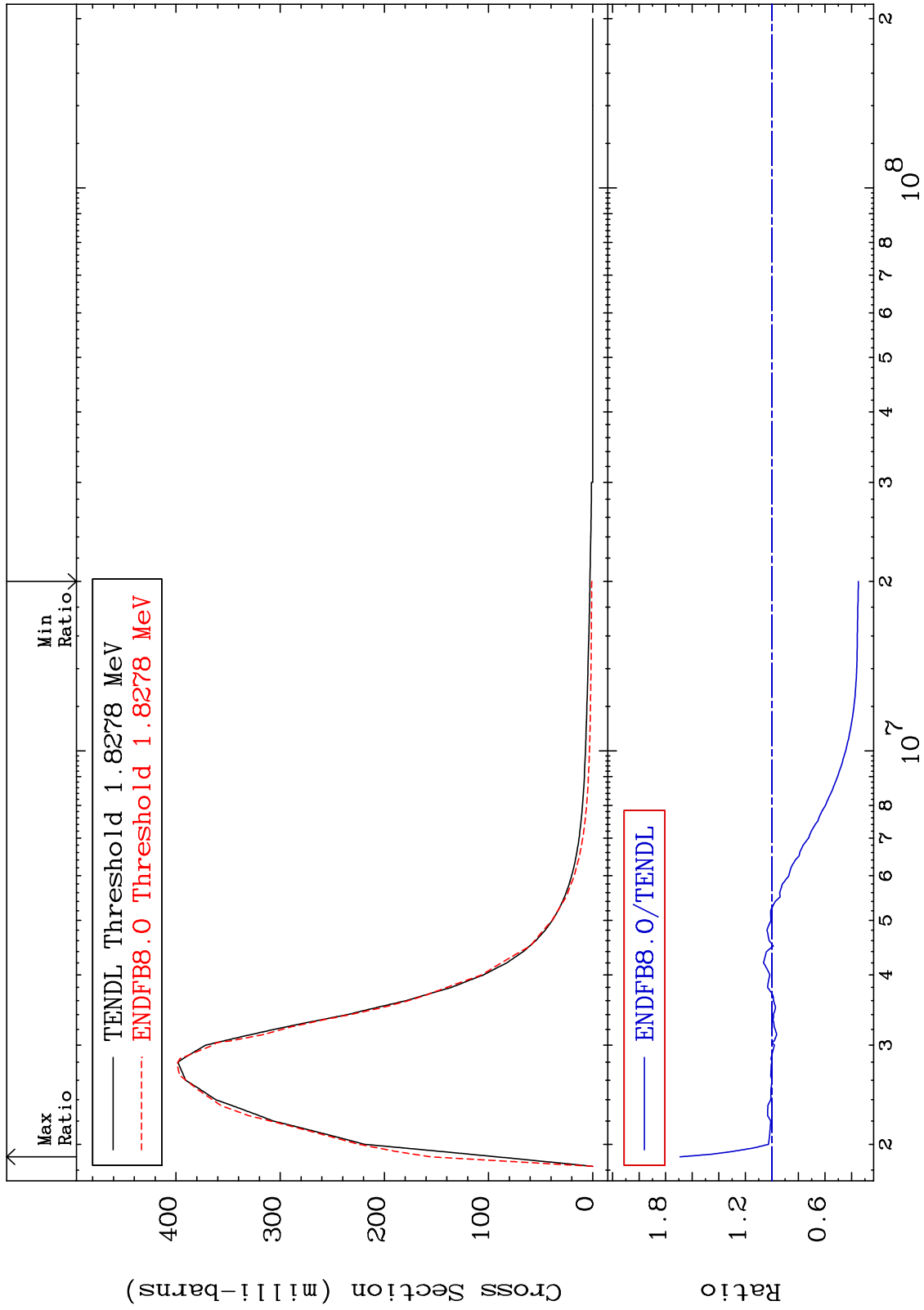
MAT 3025 MT= 51 (n,n') Level 30-Zn-64
 Cross Section -9.461 To 70.94 %



MAT 3025

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

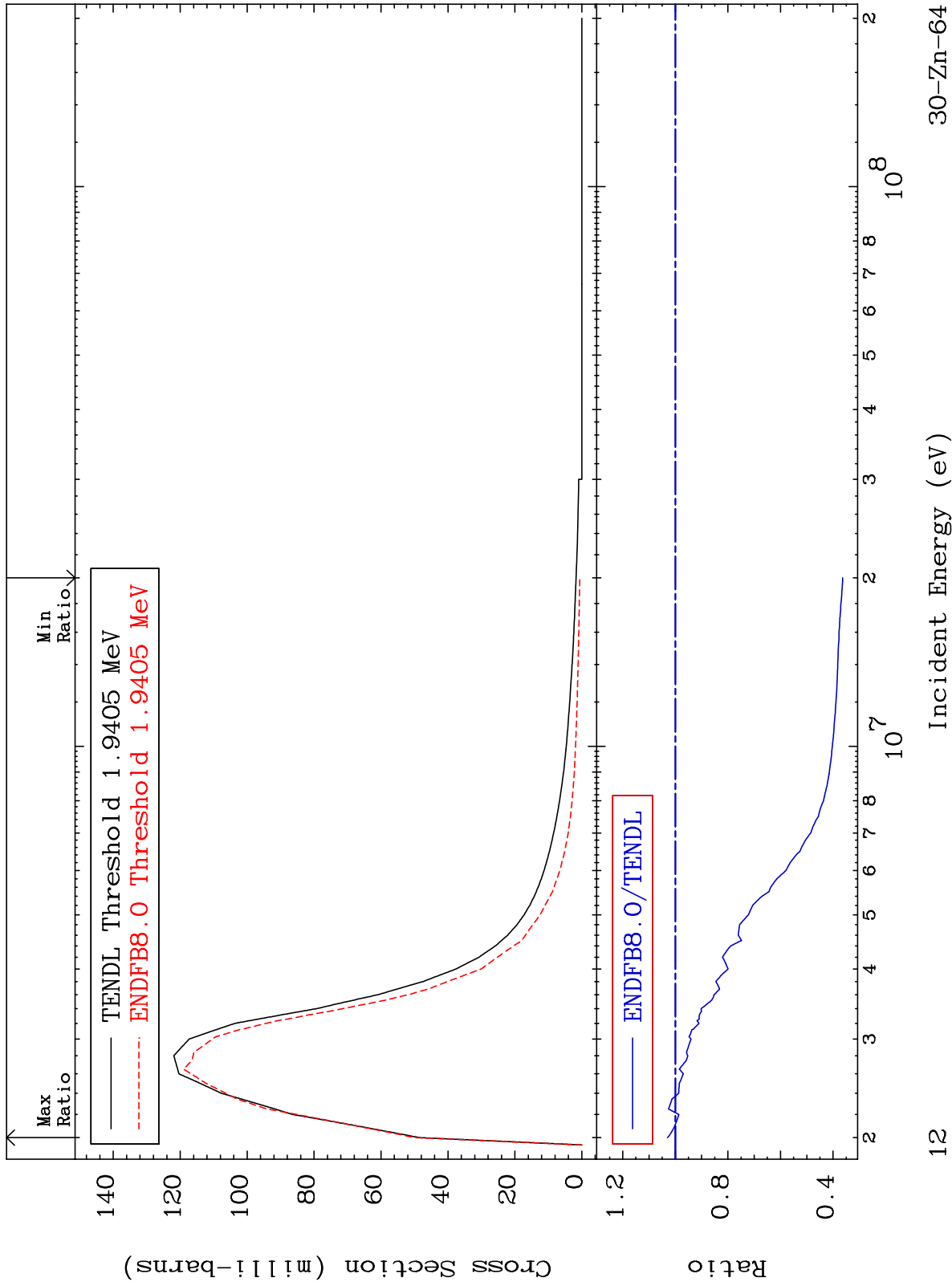
30-Zn-64
-65.15 To 69.18 %



MAT 3025

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

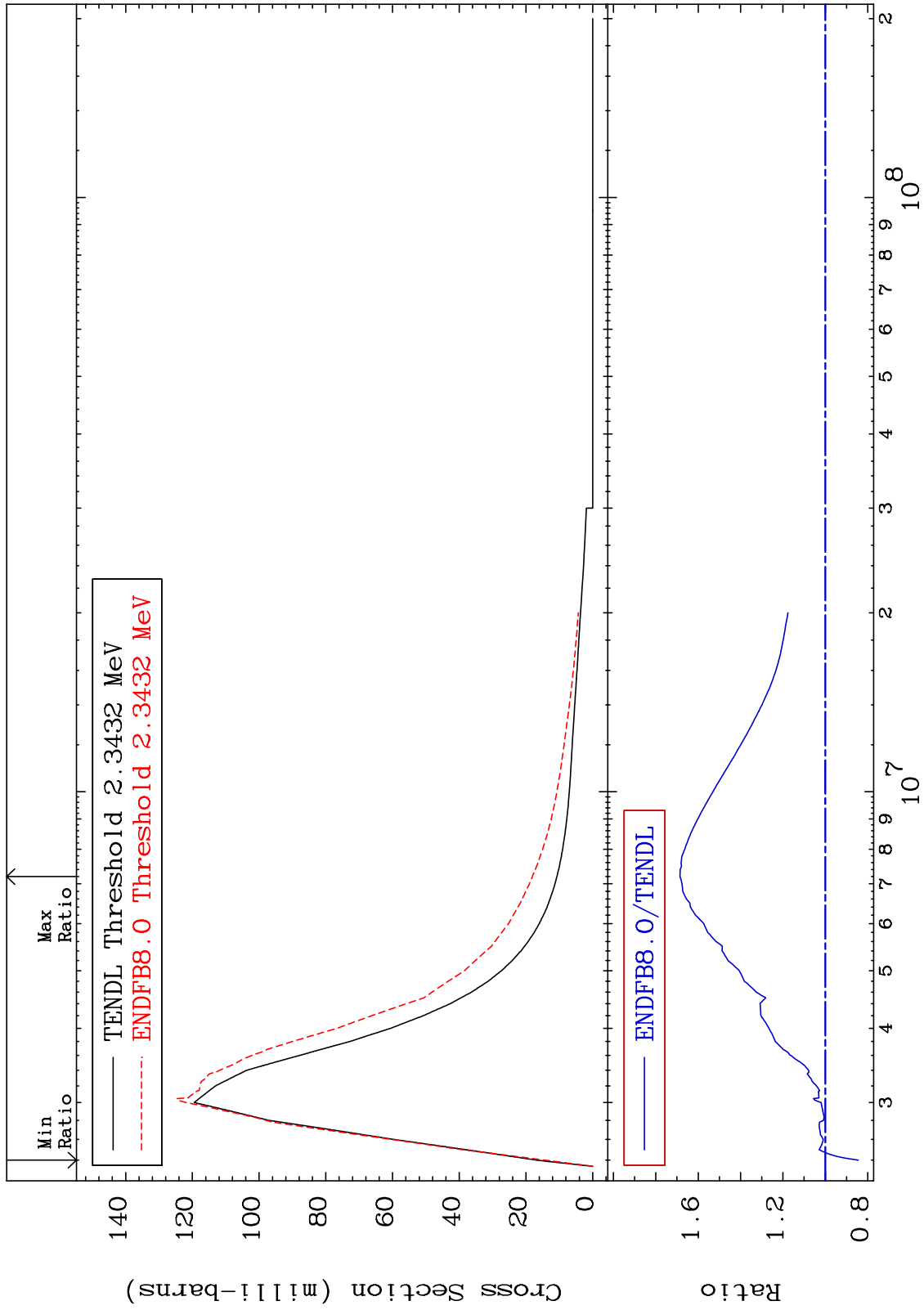
30-Zn-64
-63.65 To 2.959 %



MAT 3025

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

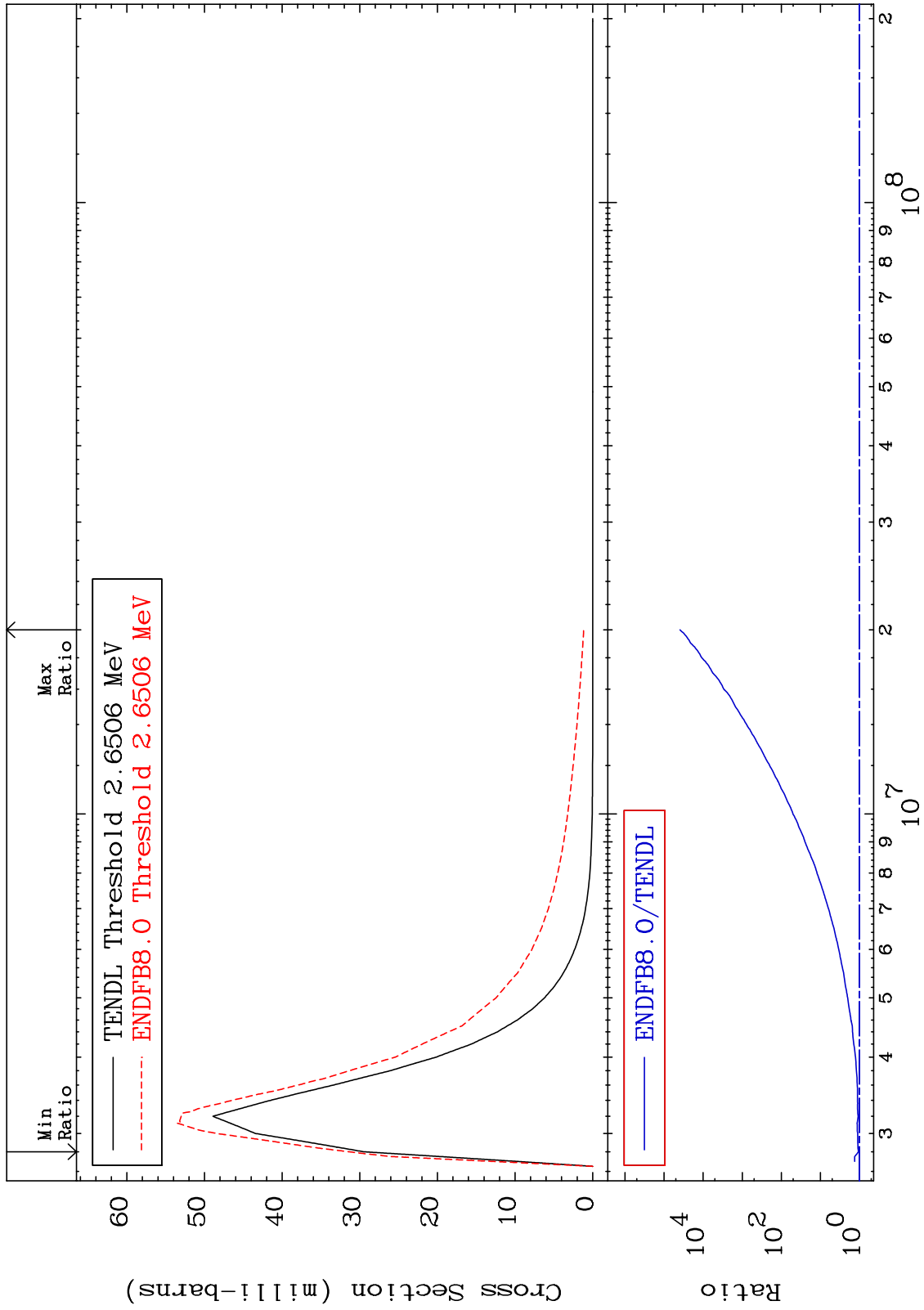
30-Zn-64
-15.61 To 68.57 %



MAT 3025

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

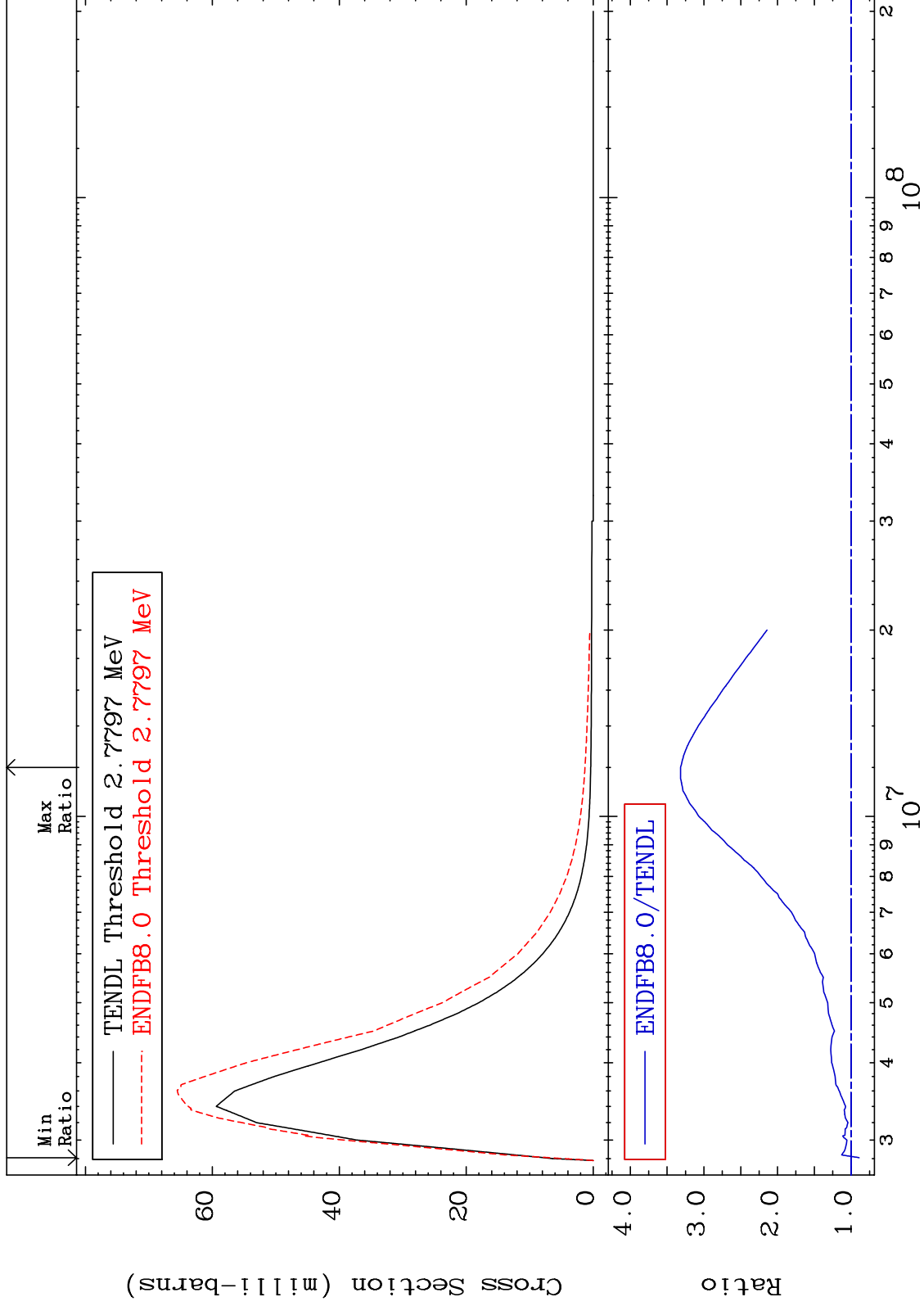
30-Zn-64
6.434 To 9999. %



MAT 3025

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

30-Zn-64
-10.96 To 231.7 %



15

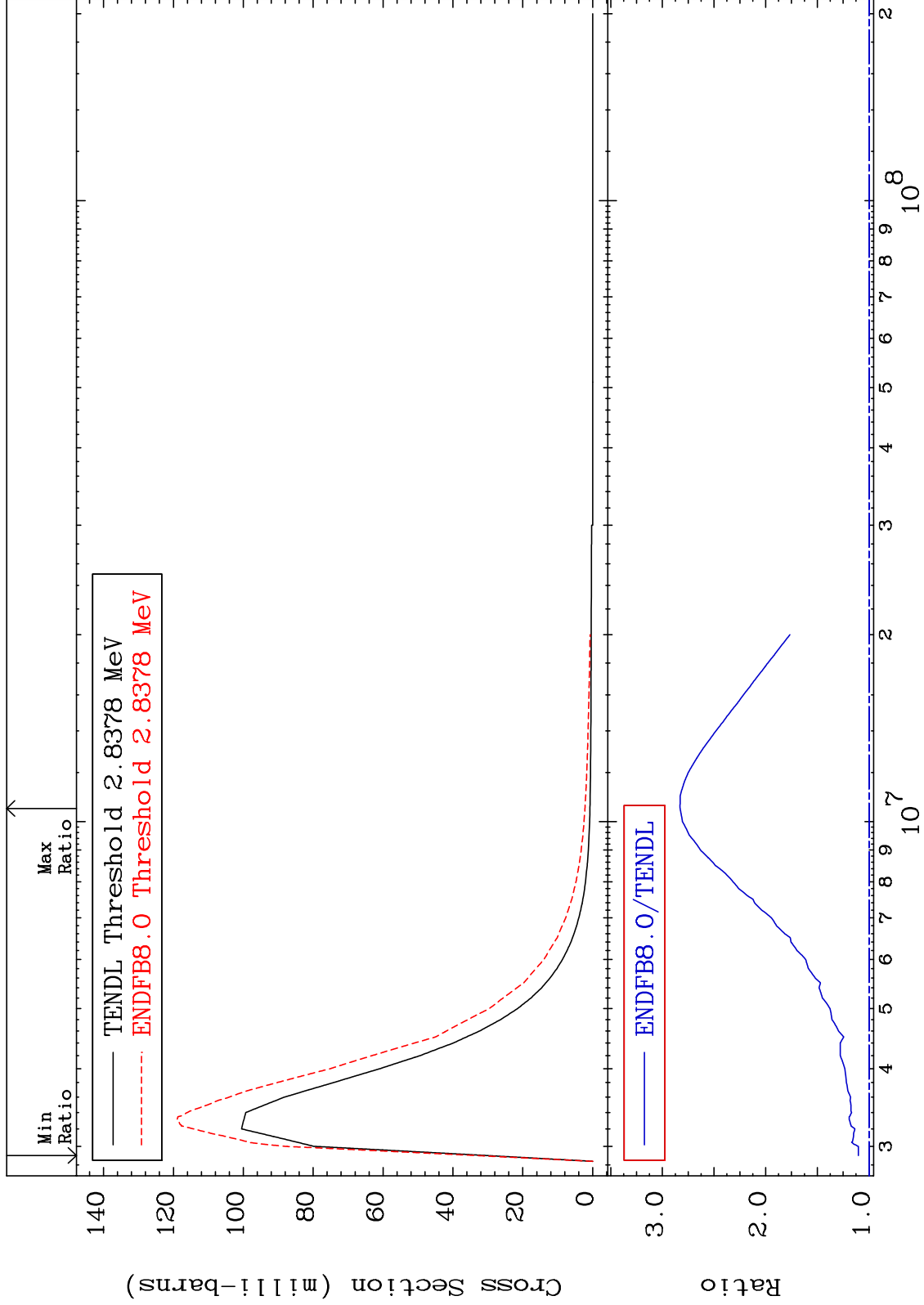
30-Zn-64

30-Zn-64

MAT 3025

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

30-Zn-64
10.21 To 182.9 %

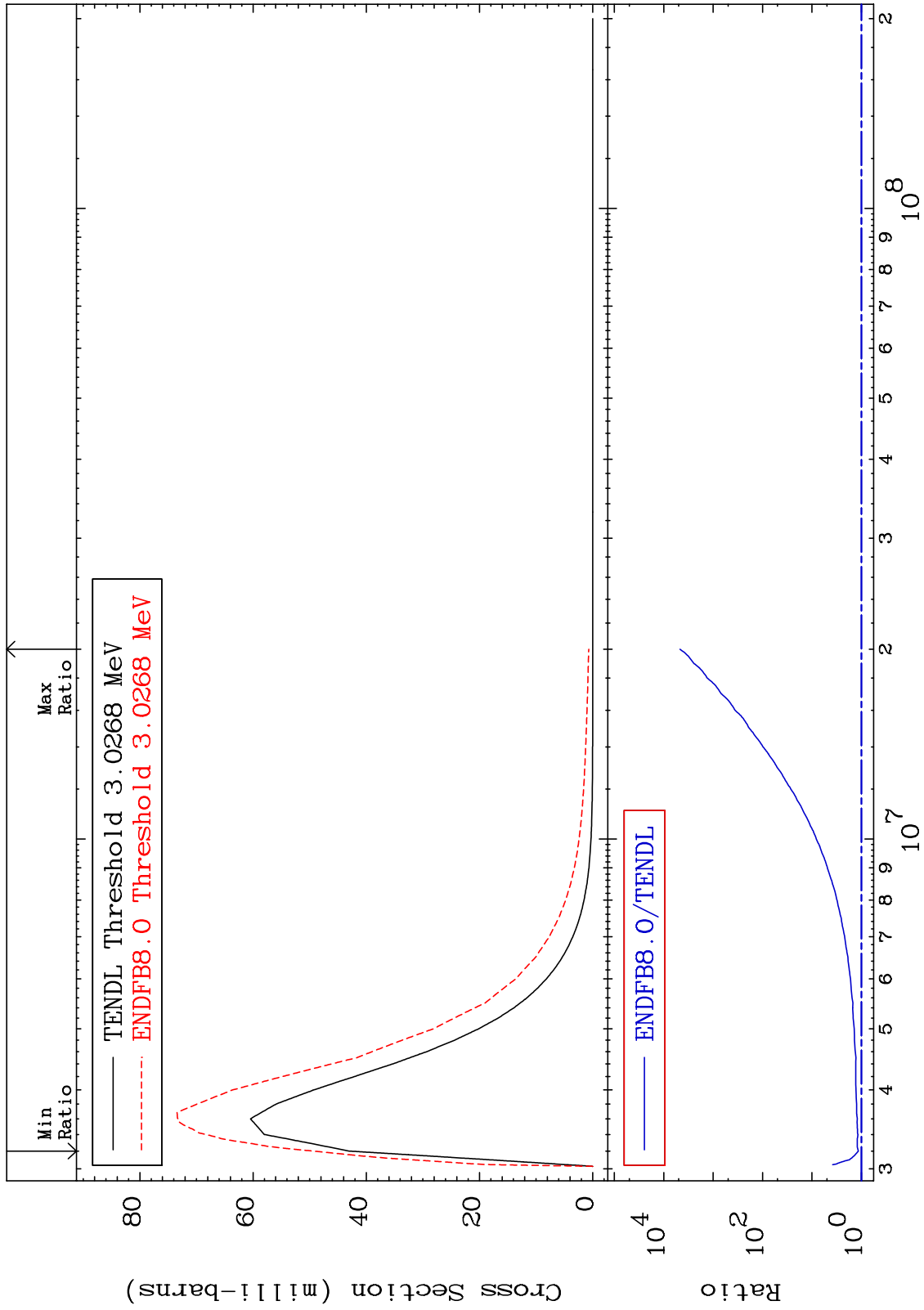


16

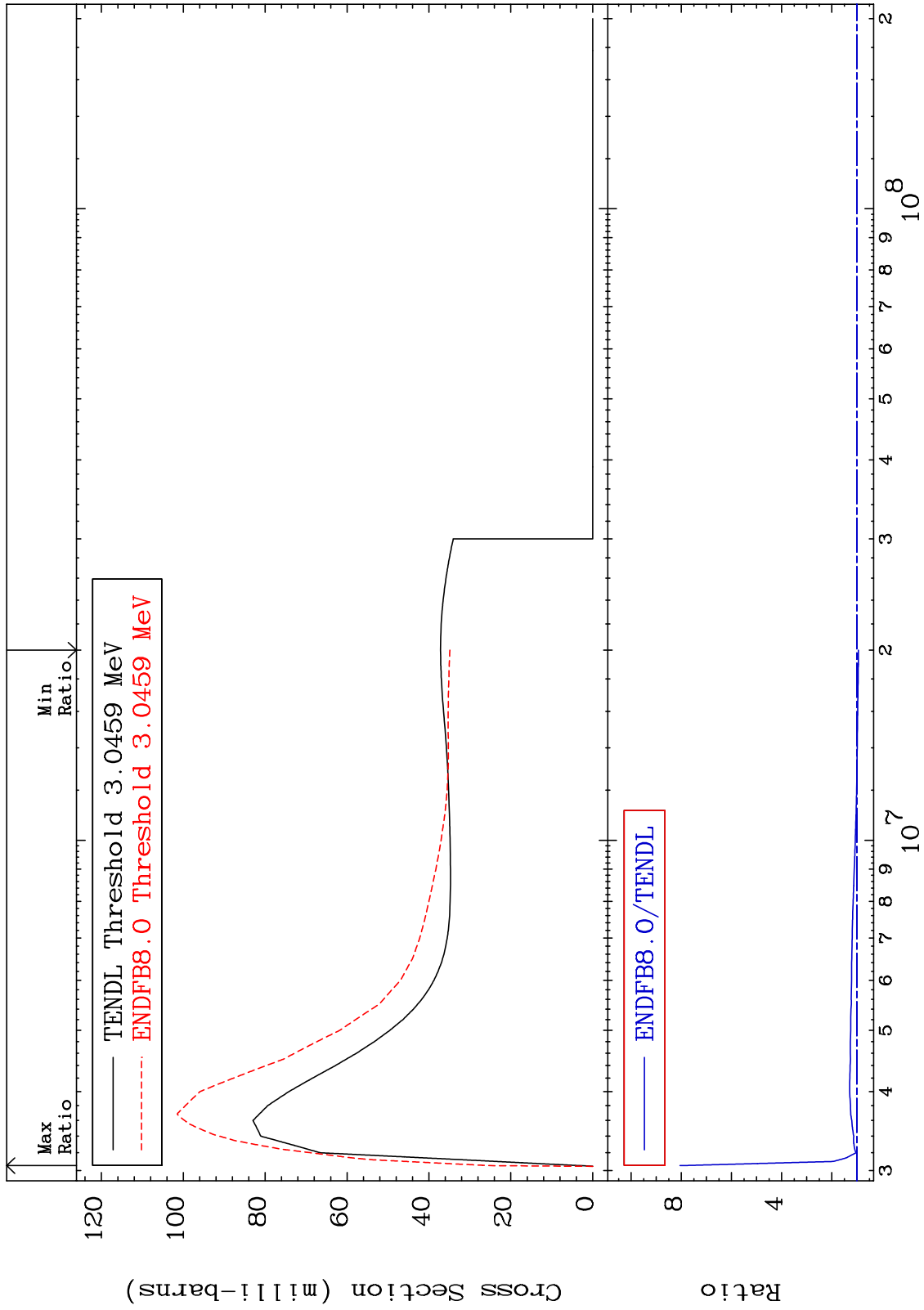
Incident Energy (eV)

30-Zn-64

MAT 3025 MT= 58 (n,n') Level Cross Section 30-Zn-64
 14.84 To 9999. %



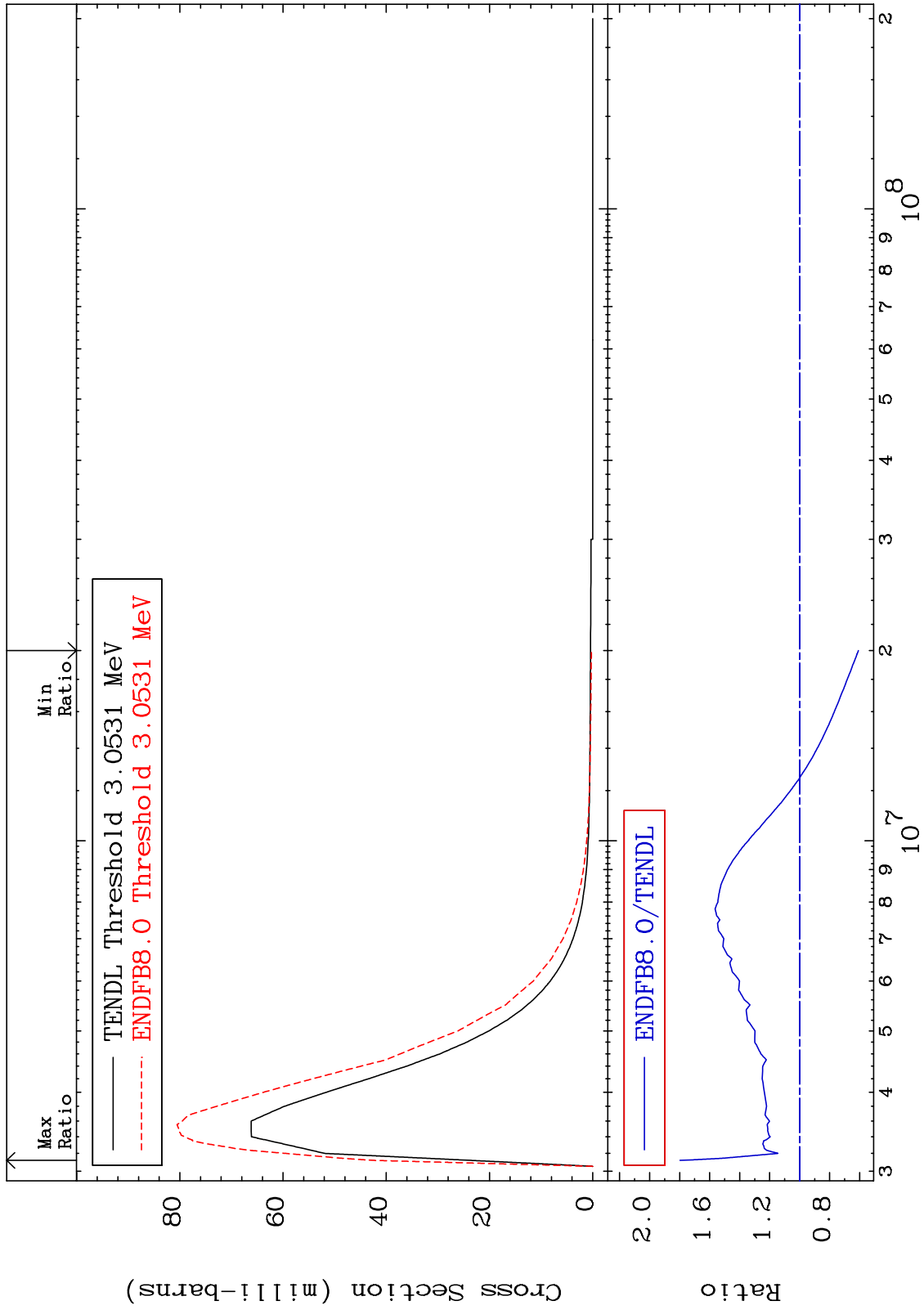
MAT 3025 MT= 59 (n,n') Level Cross Section 30-Zn-64
 -6.076 To 705.2 %



MAT 3025

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

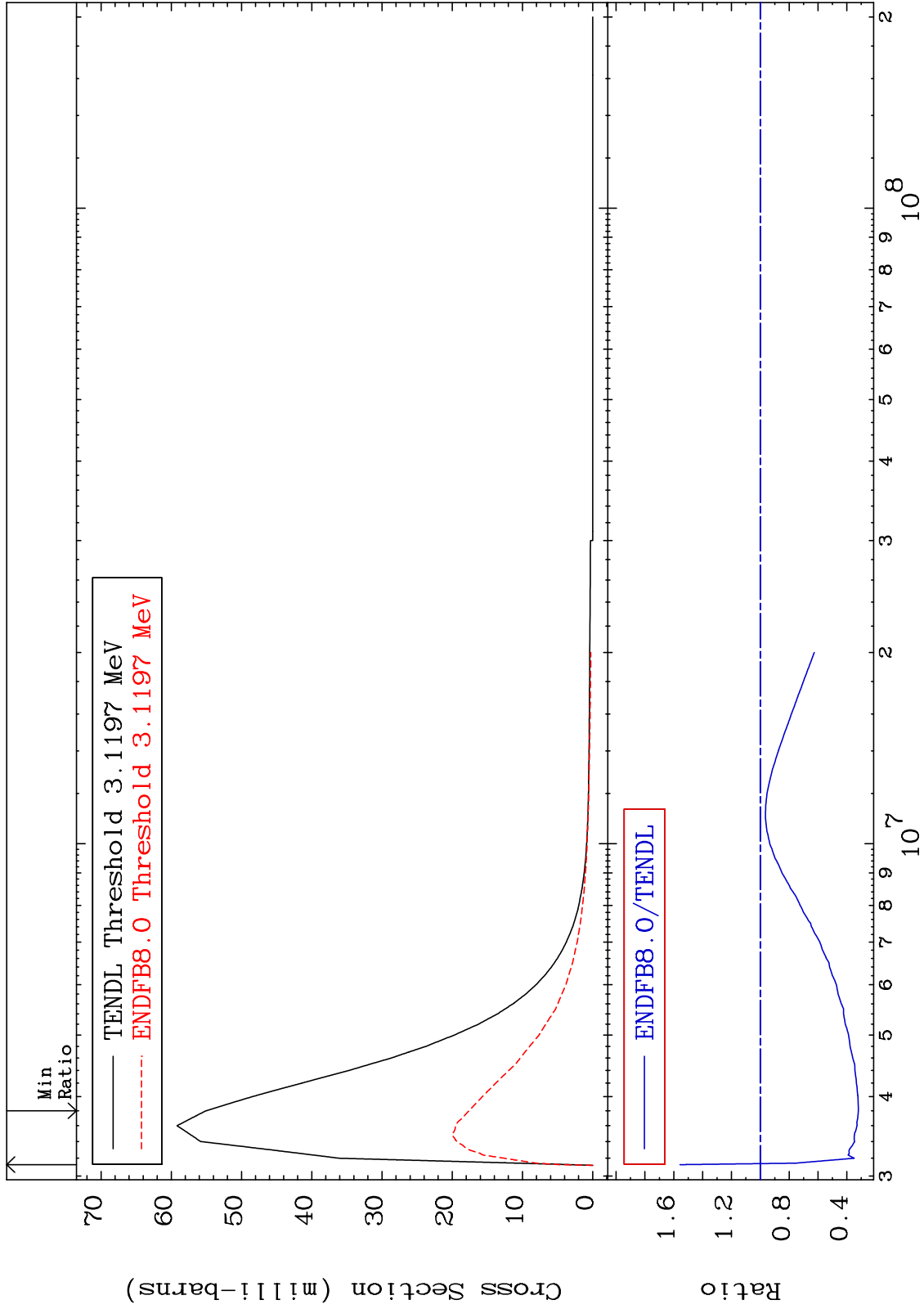
30-Zn-64
-39.15 To 79.75 %



MAT 3025

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

30-Zn-64
-68.00 To 55.67 %



20

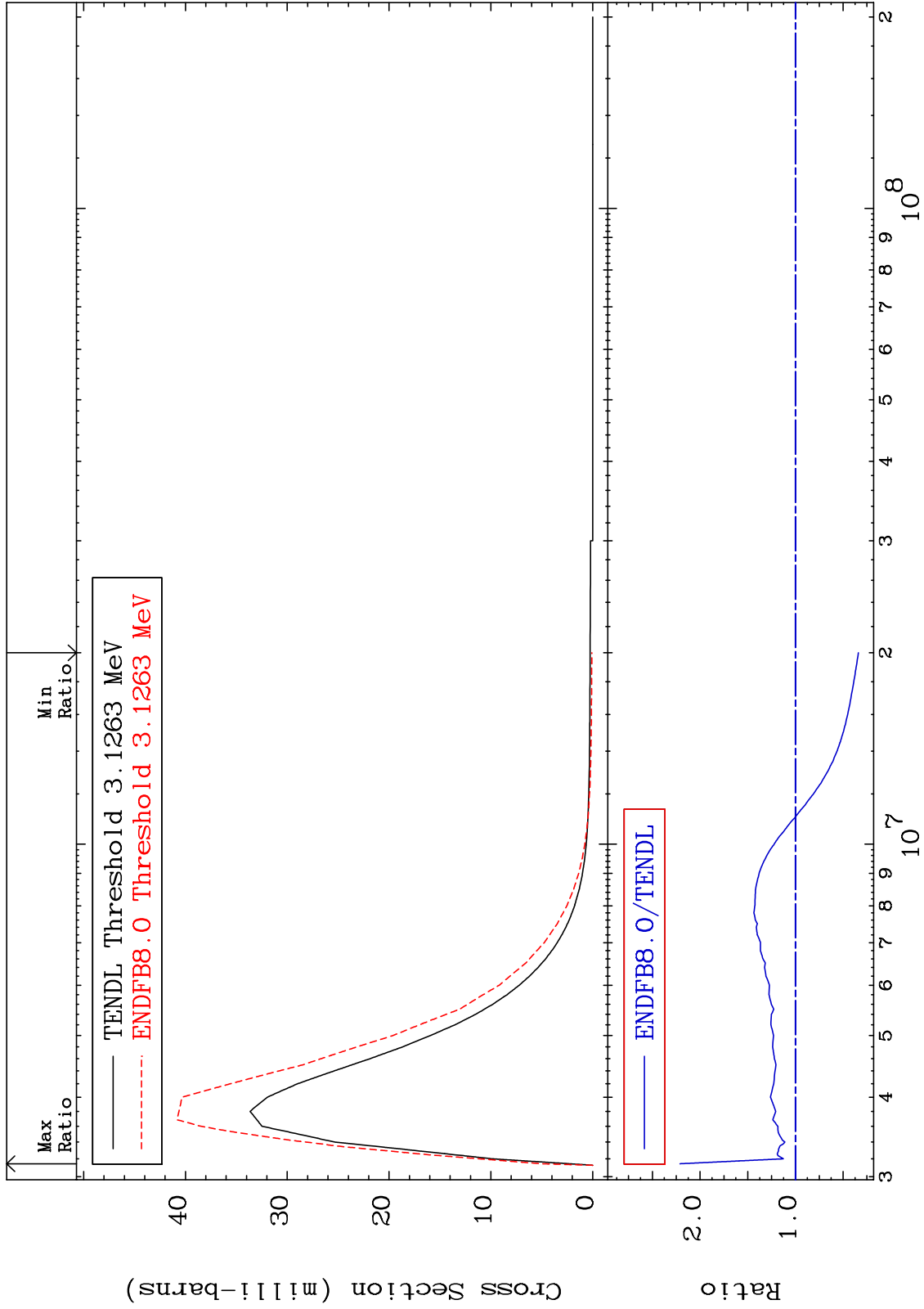
Incident Energy (eV)

30-Zn-64

MAT 3025

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

30-Zn-64
-66.03 To 121.0 %



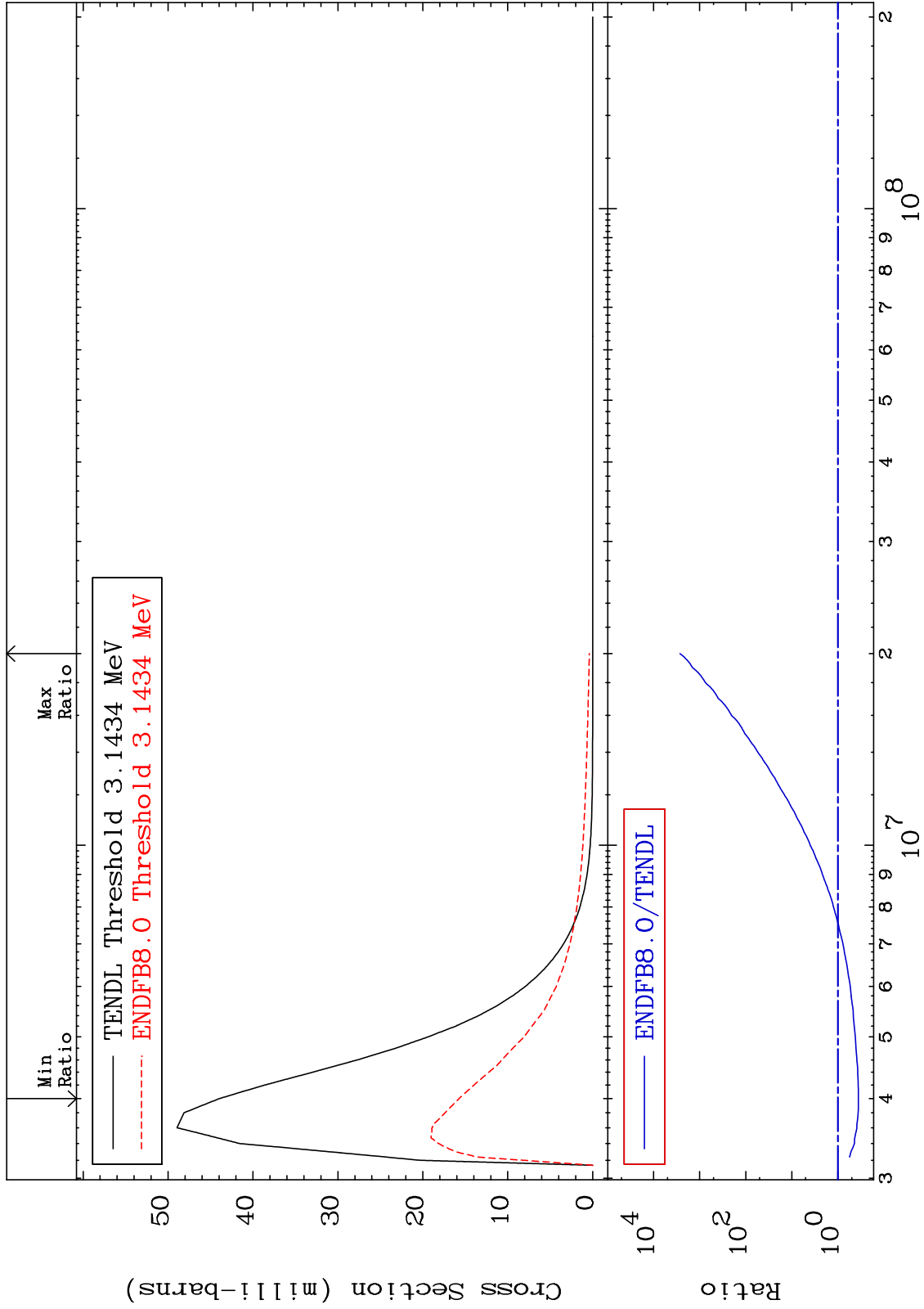
30-Zn-64

Incident Energy (eV)

MAT 3025

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

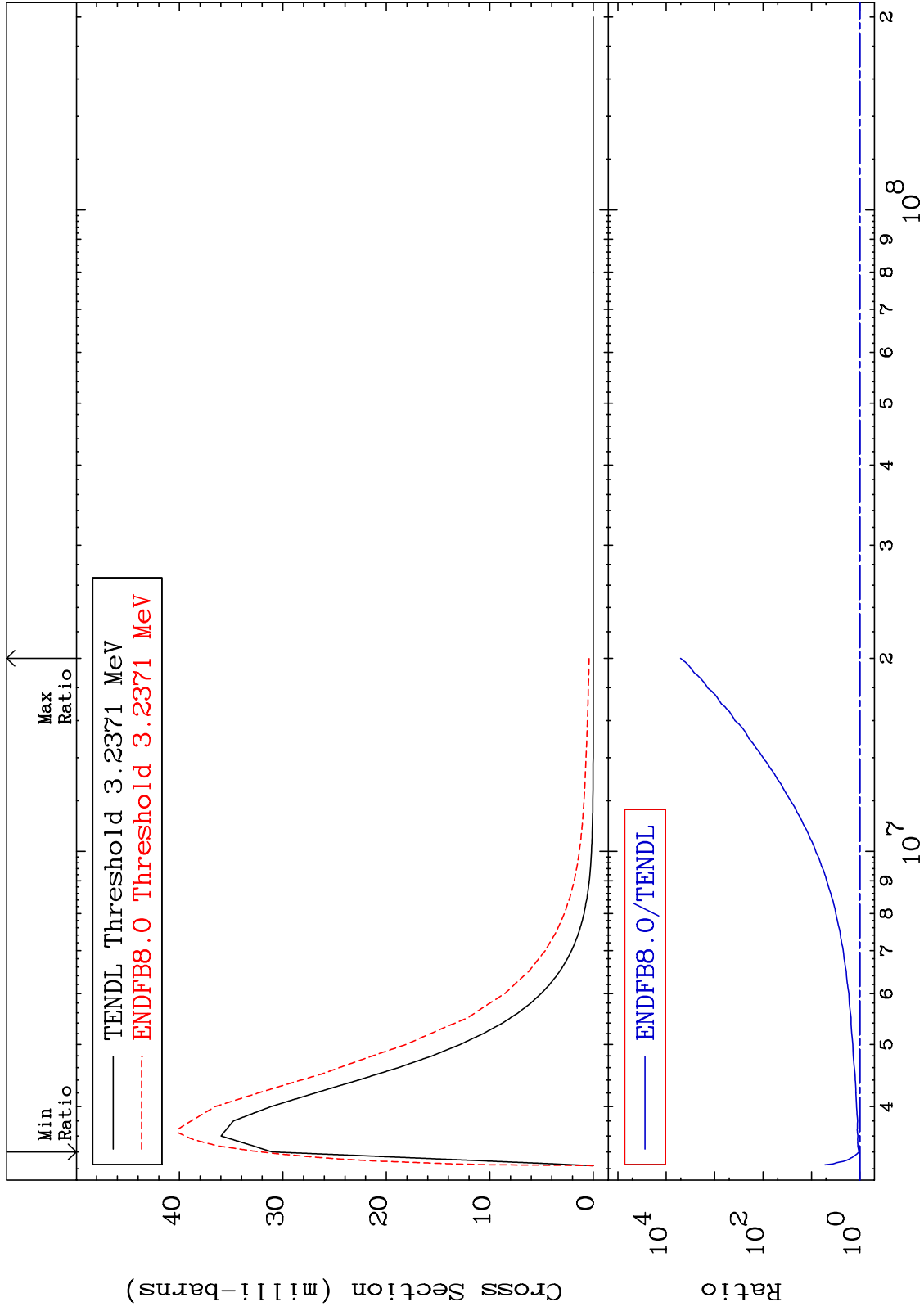
30-Zn-64
-64.20 To 9999. %



MAT 3025

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

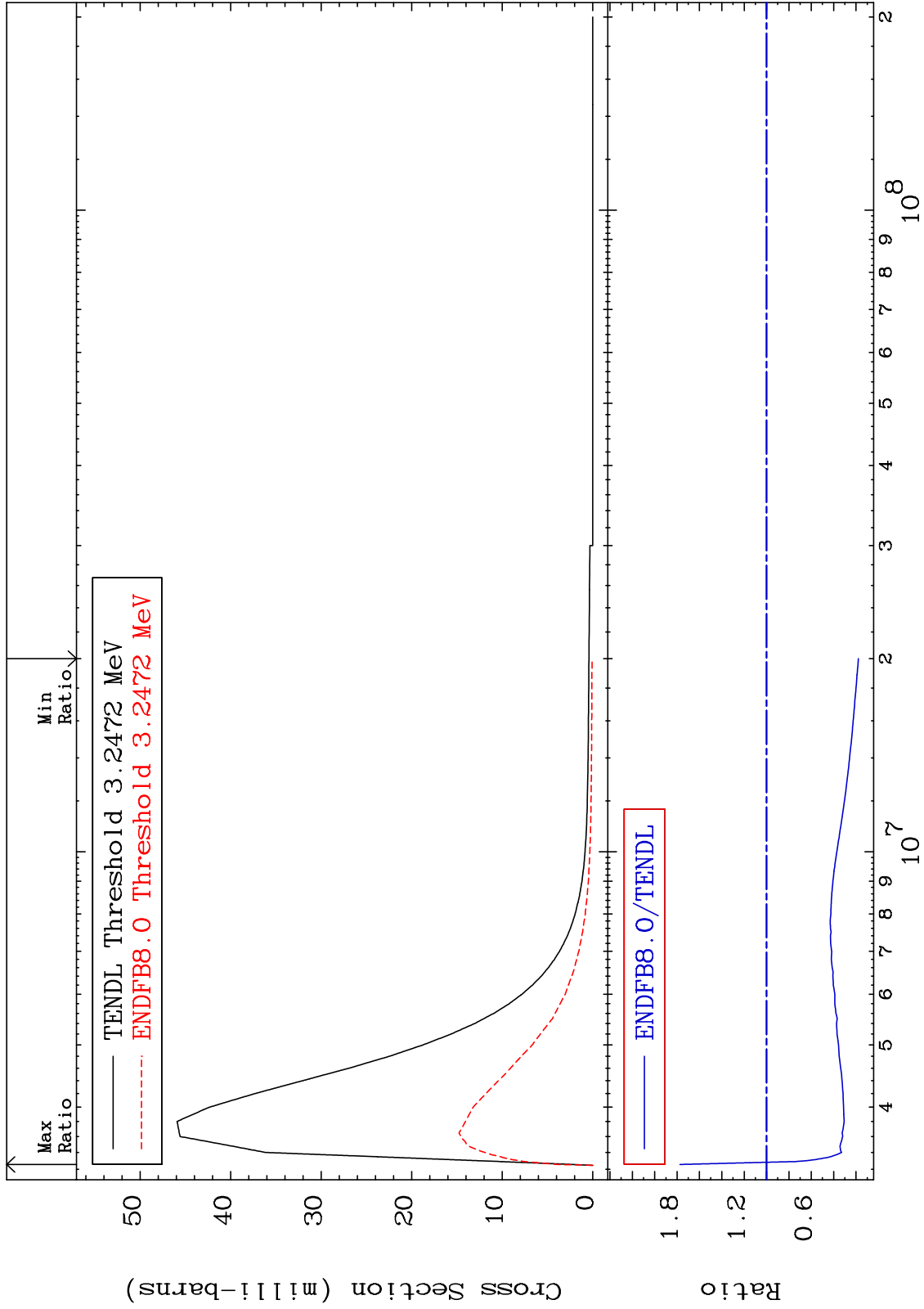
30-Zn-64
3.347 To 9999. %



MAT 3025

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

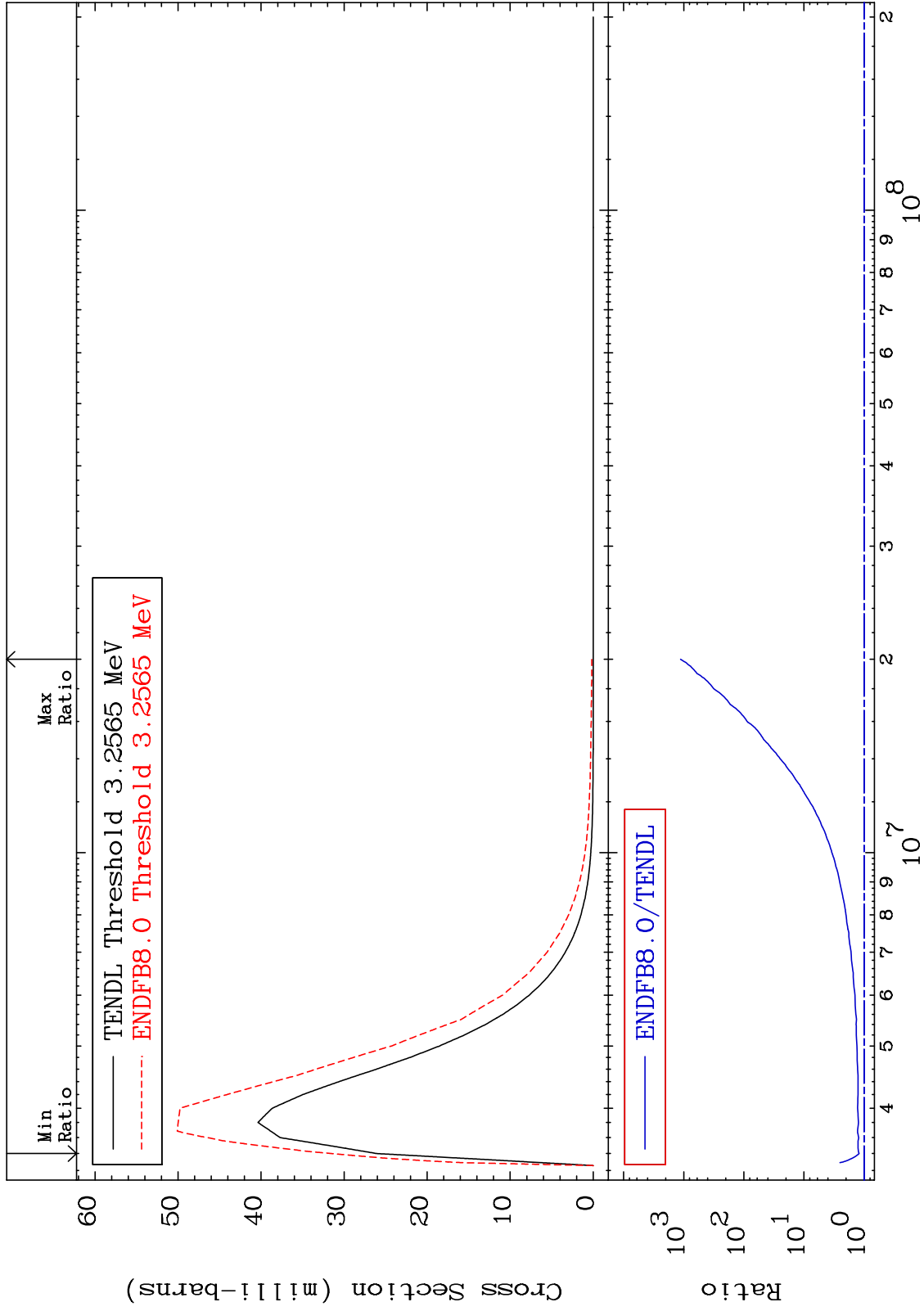
30-Zn-64
-82.12 To 77.37 %



MAT 3025

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

30-Zn-64
20.86 To 9999. %



25

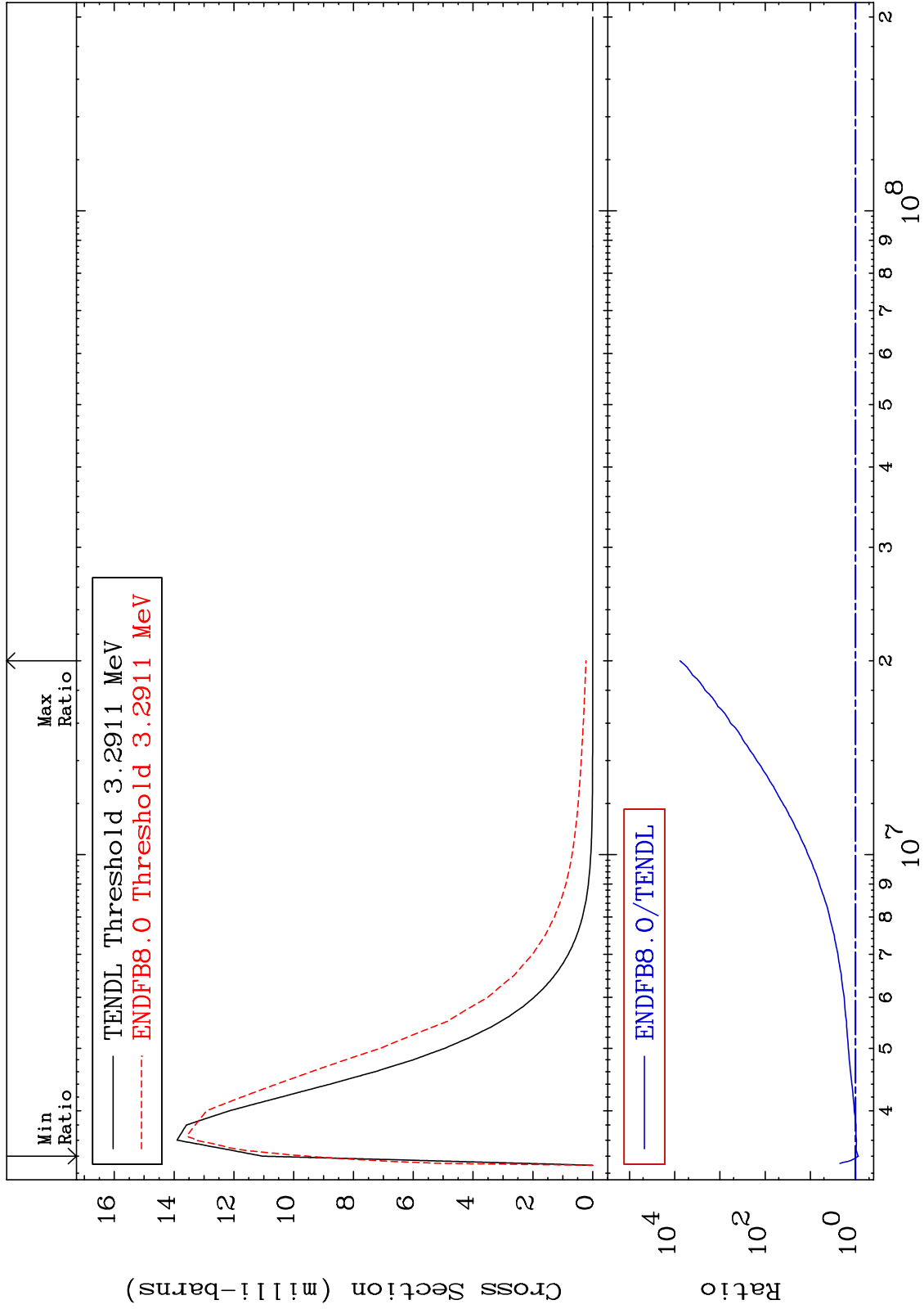
Incident Energy (eV)

30-Zn-64

MAT 3025

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

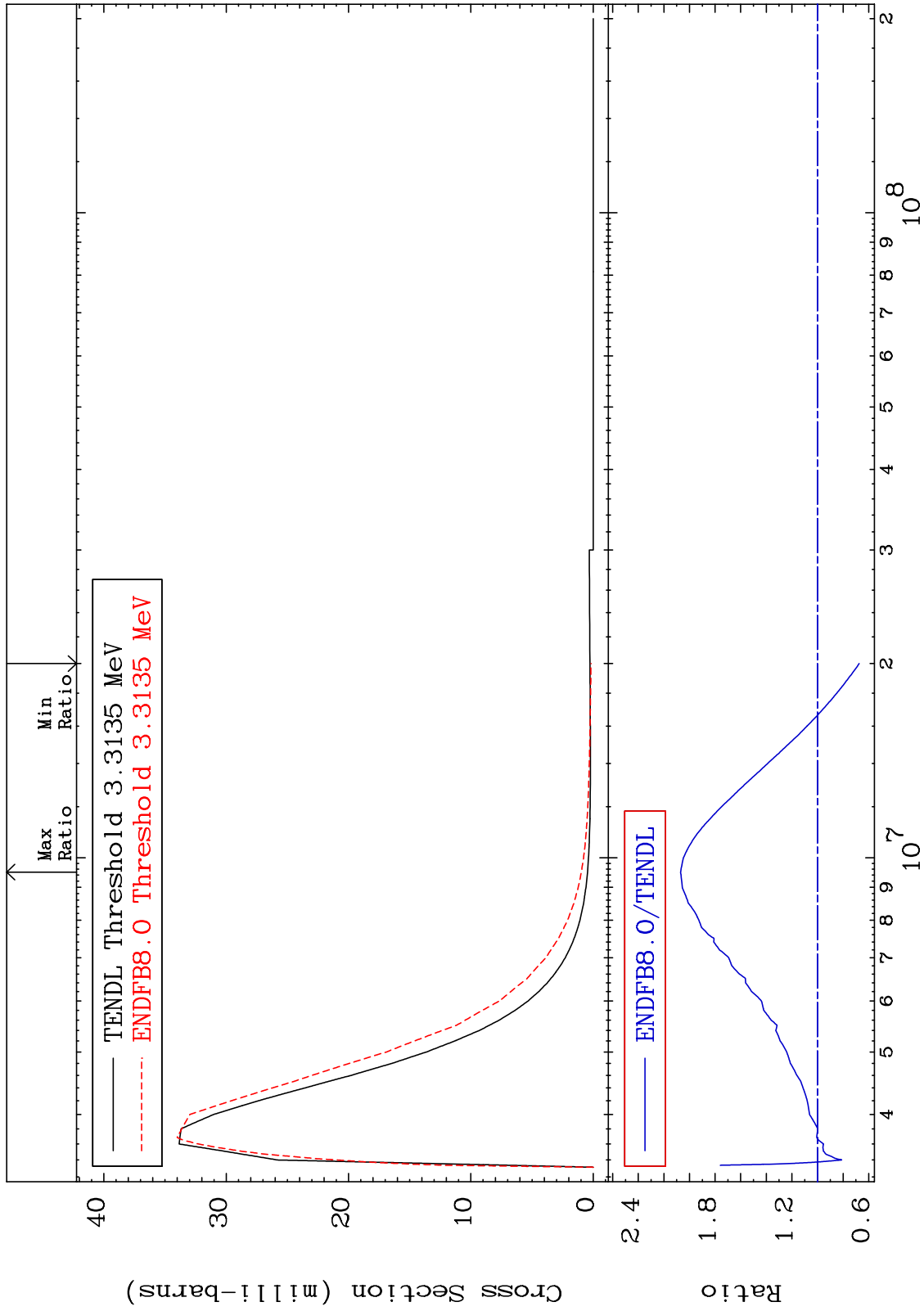
30-Zn-64
-13.64 To 9999. %



MAT 3025

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

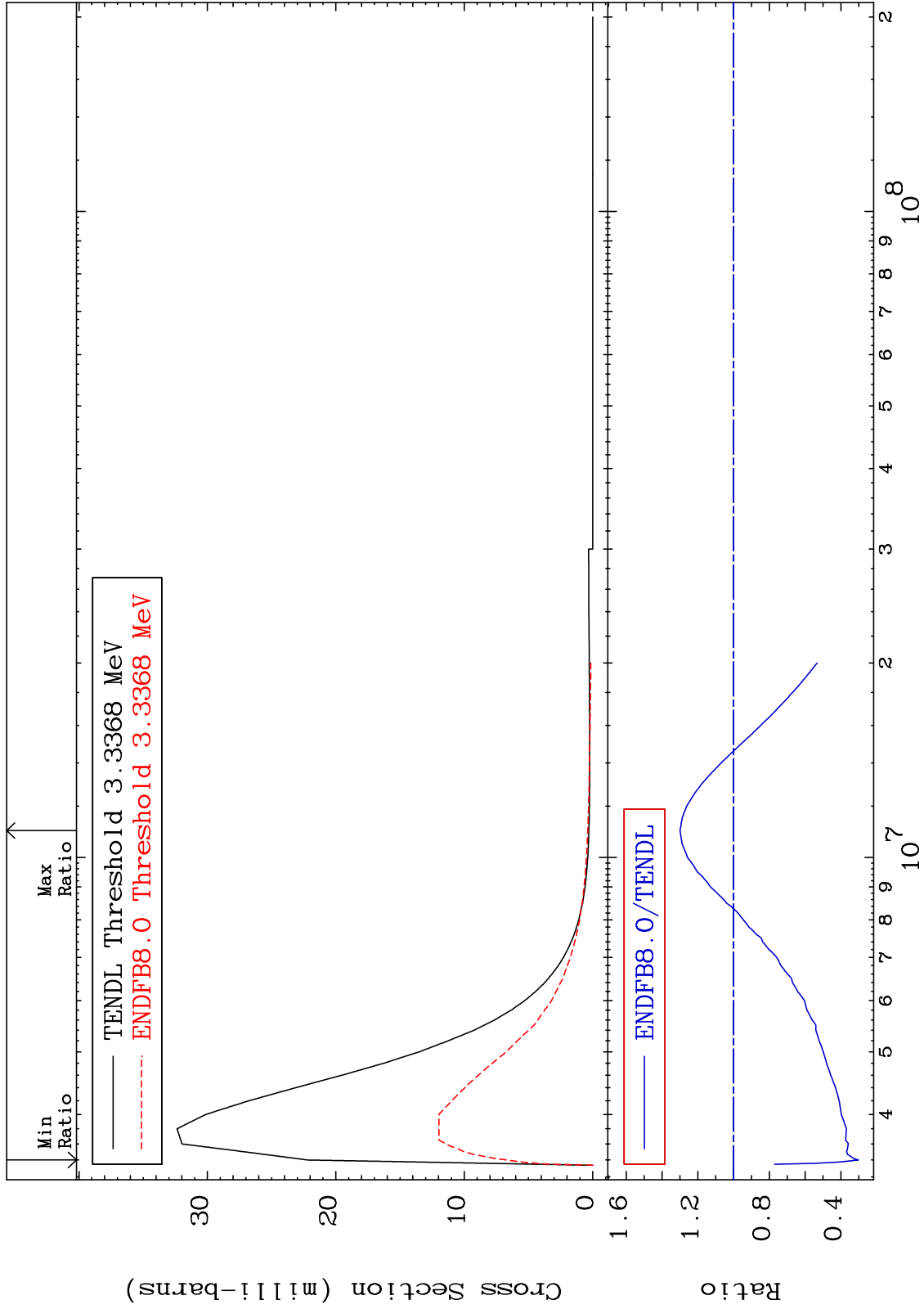
30-Zn-64
-32.53 To 106.9 %



MAT 3025

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

30-Zn-64
-69.81 To 29.92 %



28

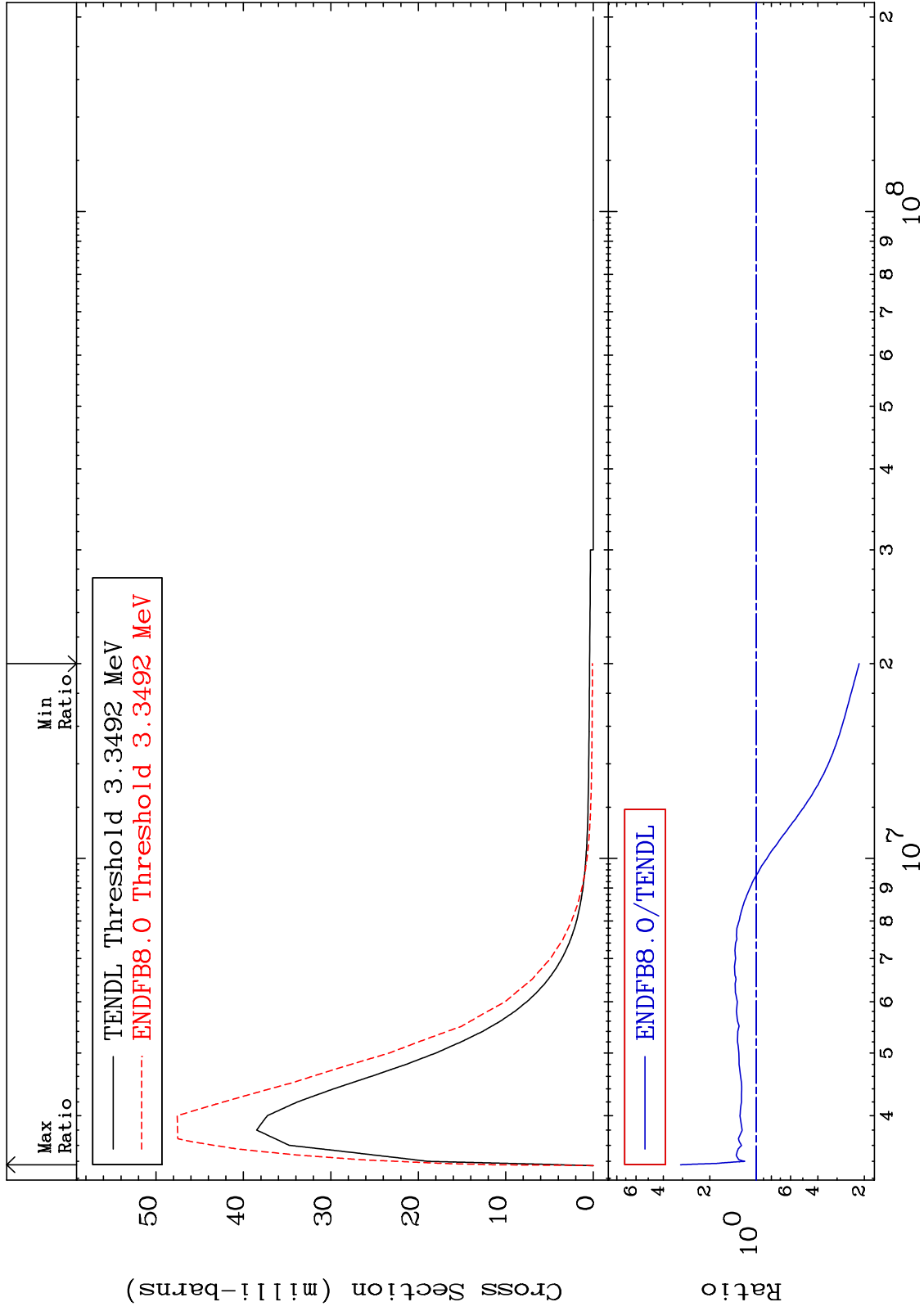
Incident Energy (eV)

30-Zn-64

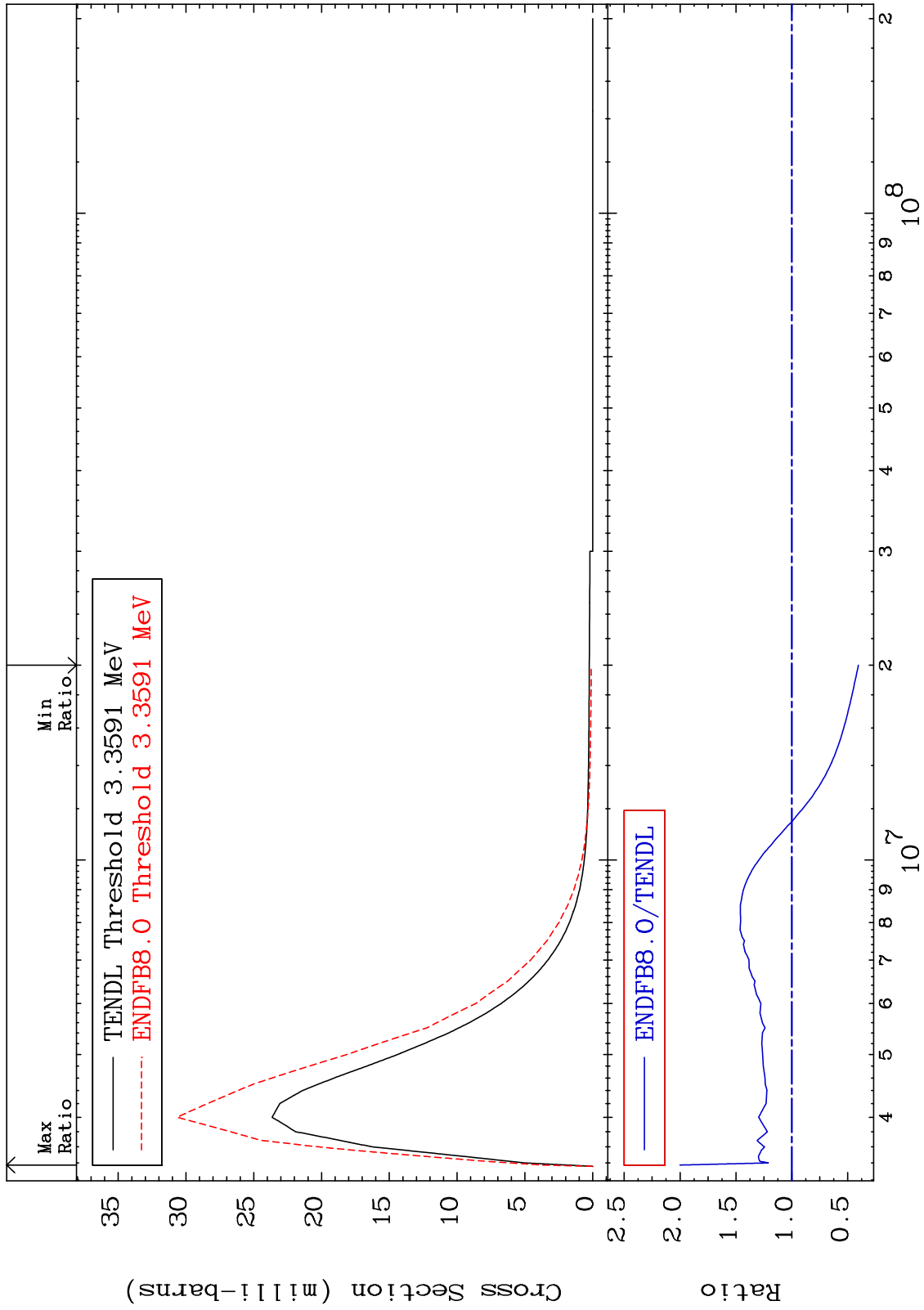
MAT 3025

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

30-Zn-64
-78.40 To 209.0 %



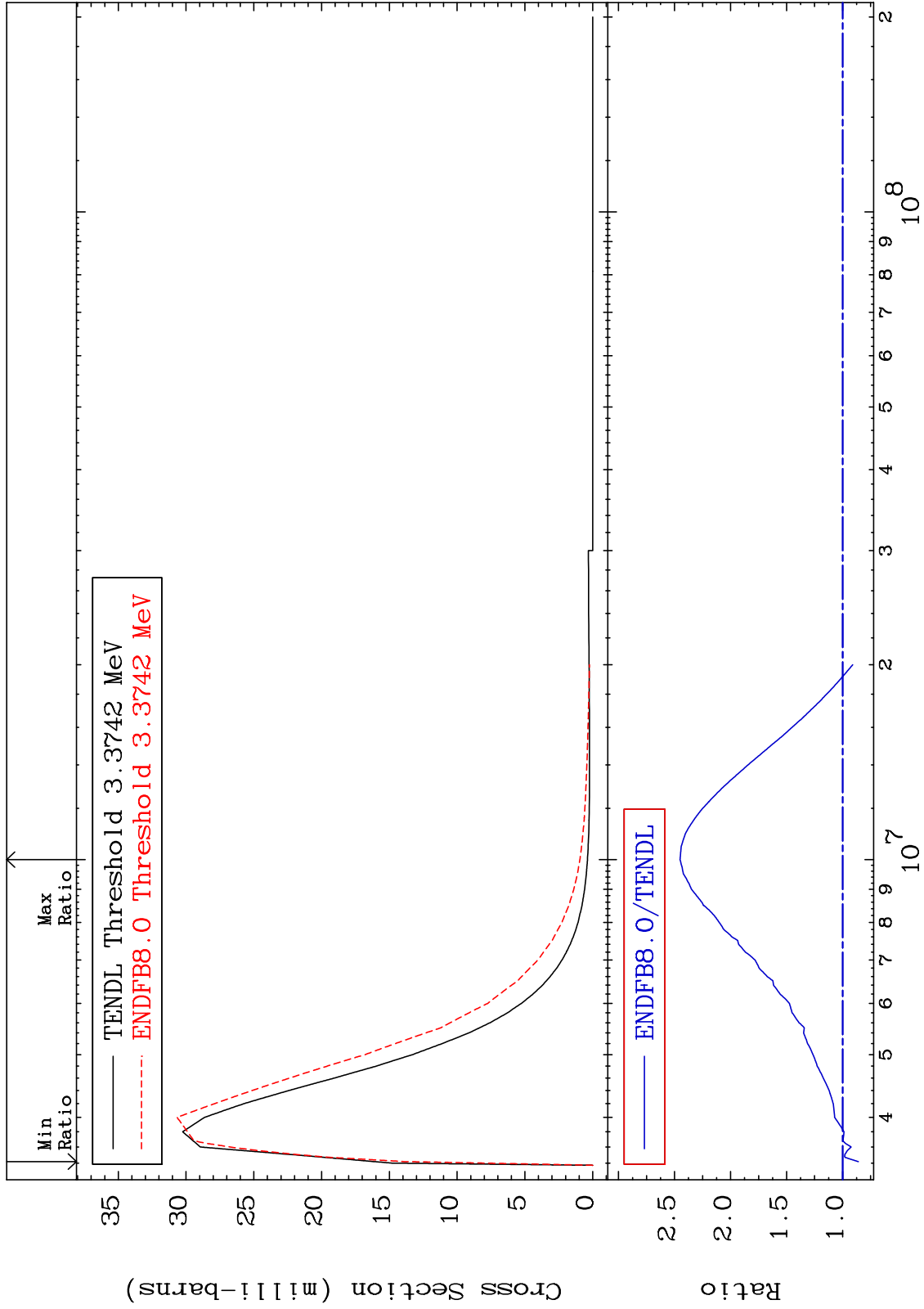
MAT 3025 MT= 71 (n,n') Level Cross Section 30-Zn-64 -59.53 To 100.0 %



MAT 3025

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

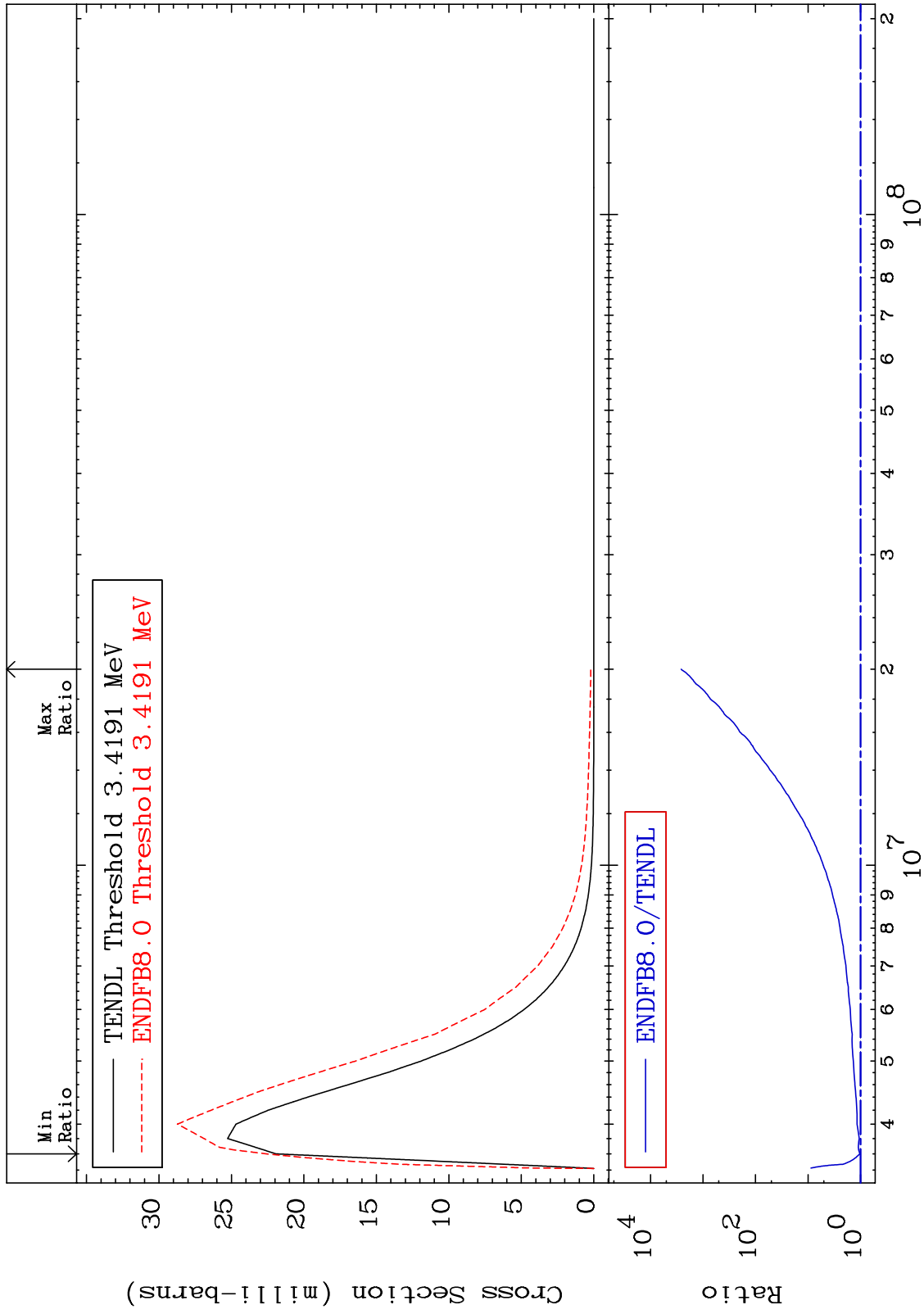
30-Zn-64
-14.09 To 145.1 %



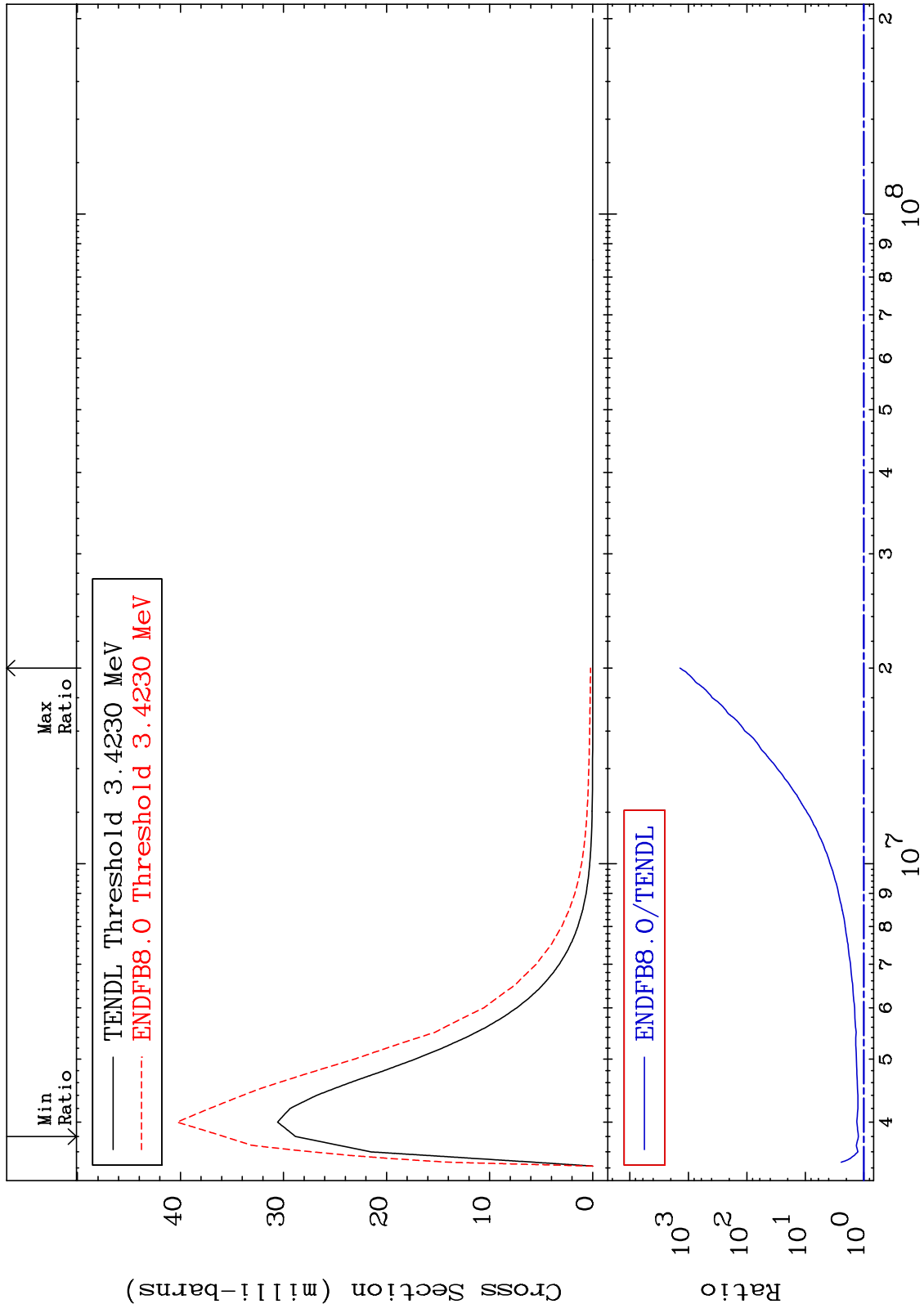
MAT 3025

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

30-Zn-64
2.875 To 9999. %



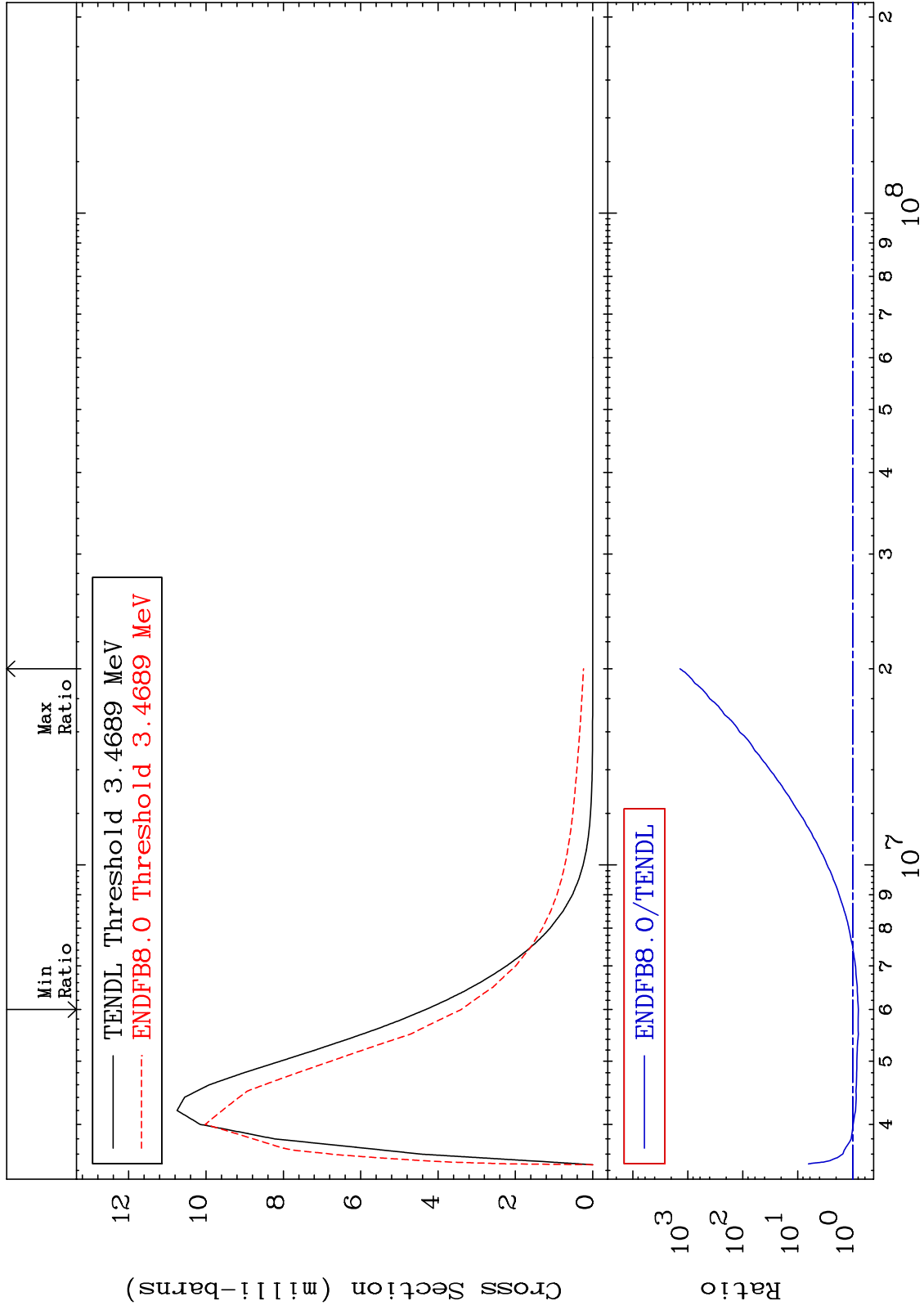
MAT 3025 MT= 74 (n,n') Level Cross Section 30-Zn-64 23.98 To 9999. %



MAT 3025

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

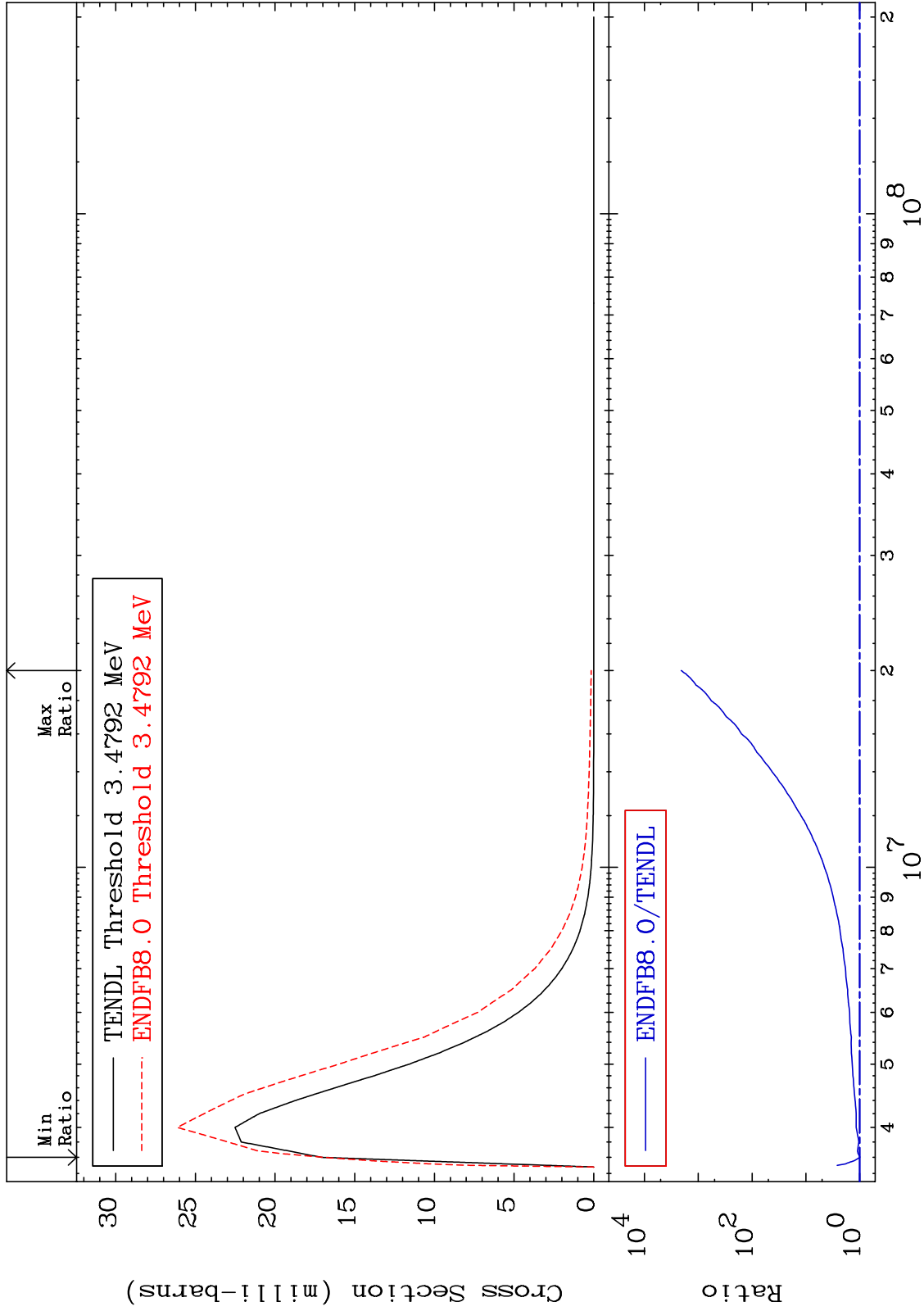
30-Zn-64
-21.19 To 9999. %



MAT 3025

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

30-Zn-64
-0.960 To 9999. %



35

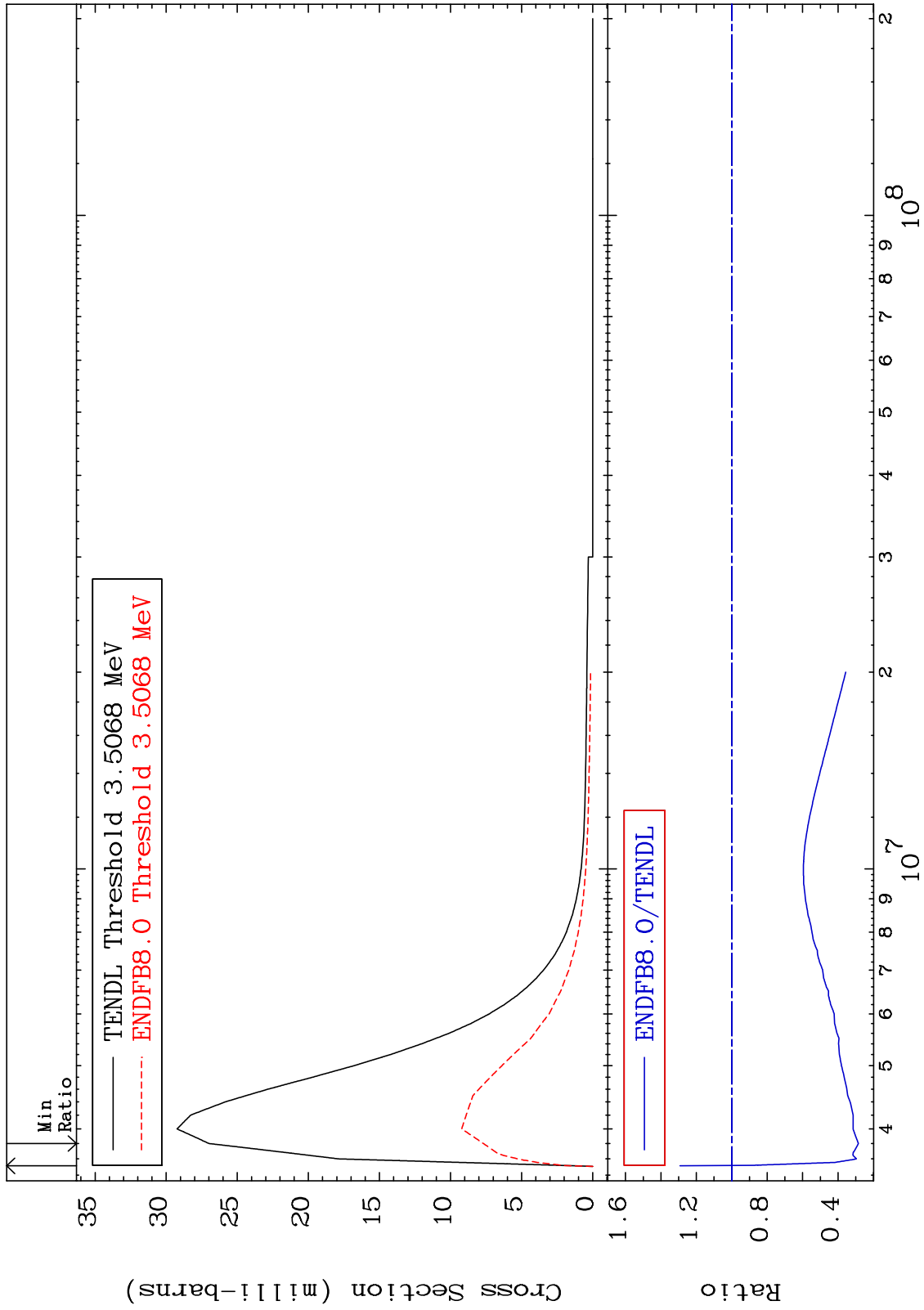
Incident Energy (eV)

30-Zn-64

MAT 3025

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

30-Zn-64
-71.52 To 29.23 %



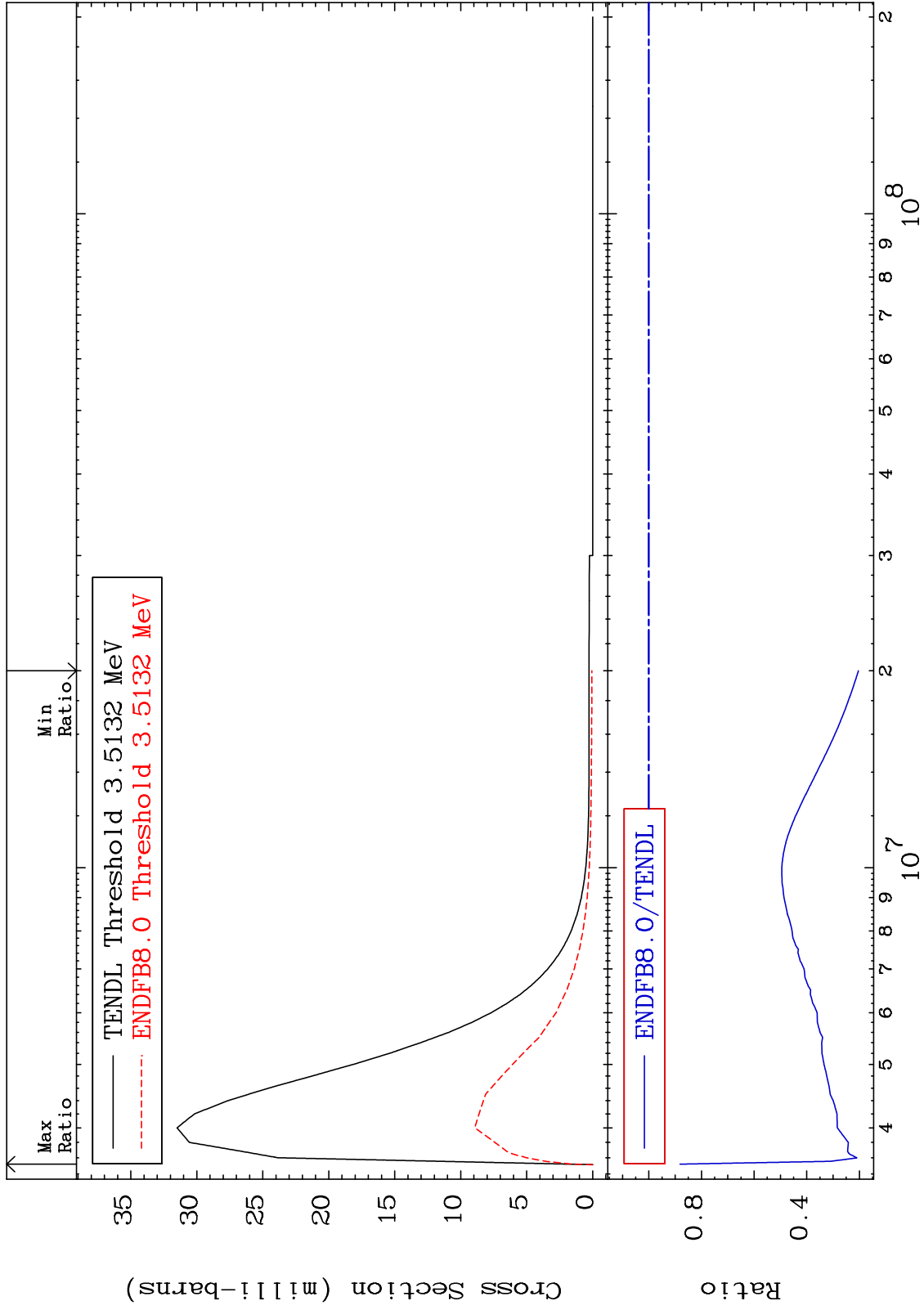
36

30-Zn-64

MAT 3025

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

30-Zn-64
-79.63 To -11.86%



37

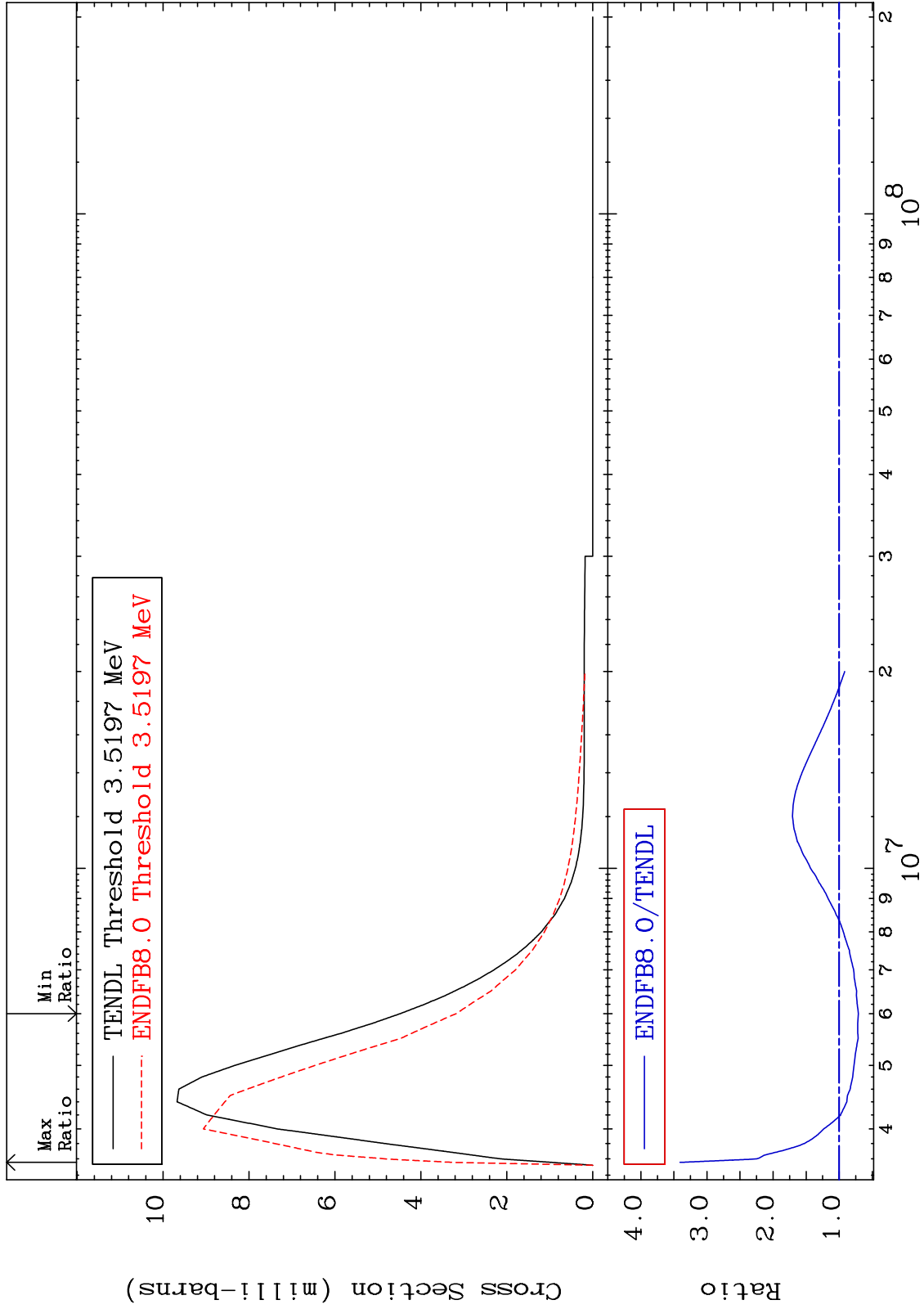
Incident Energy (eV)

30-Zn-64

MAT 3025

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

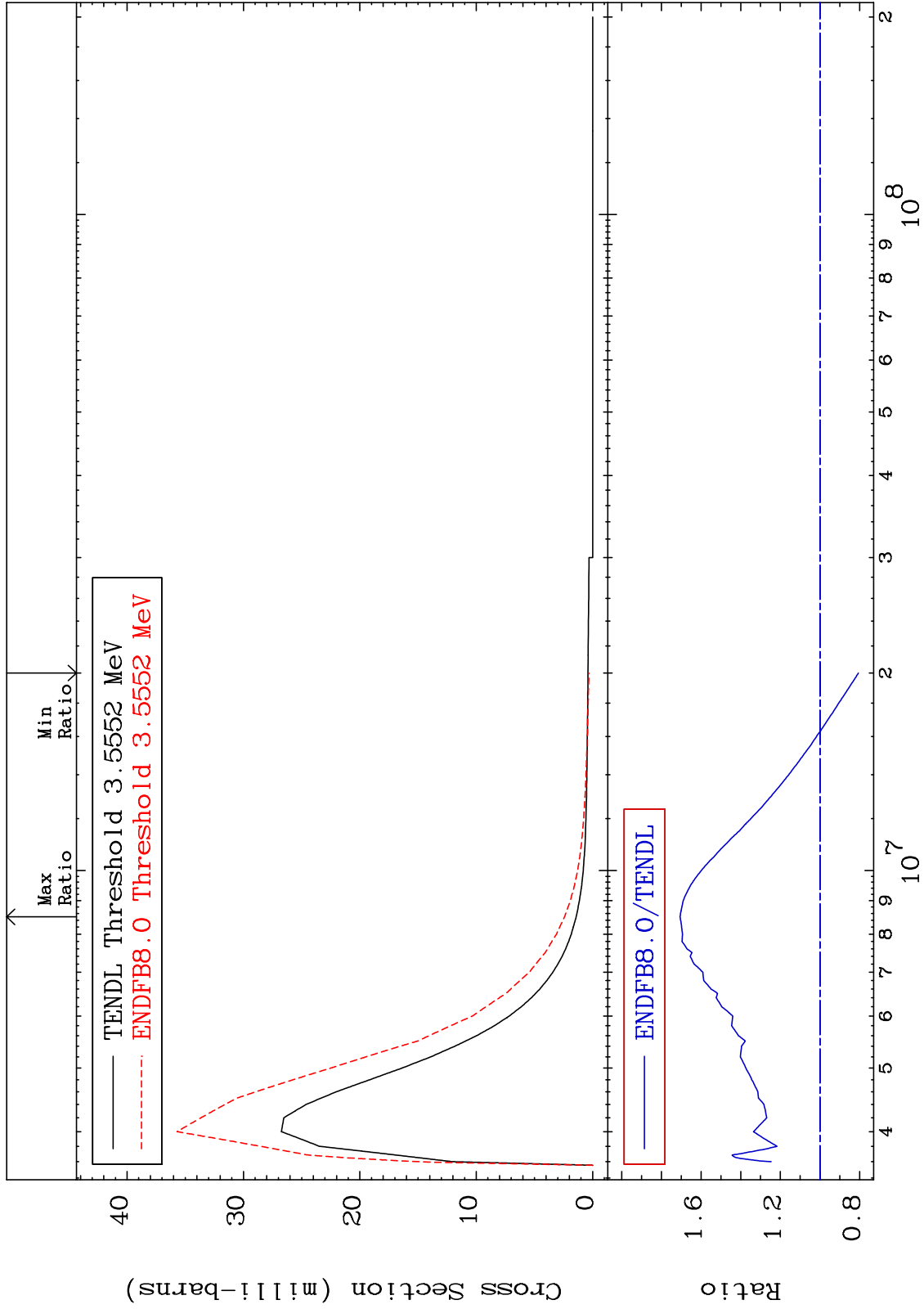
30-Zn-64
-29.04 To 240.8 %



MAT 3025

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

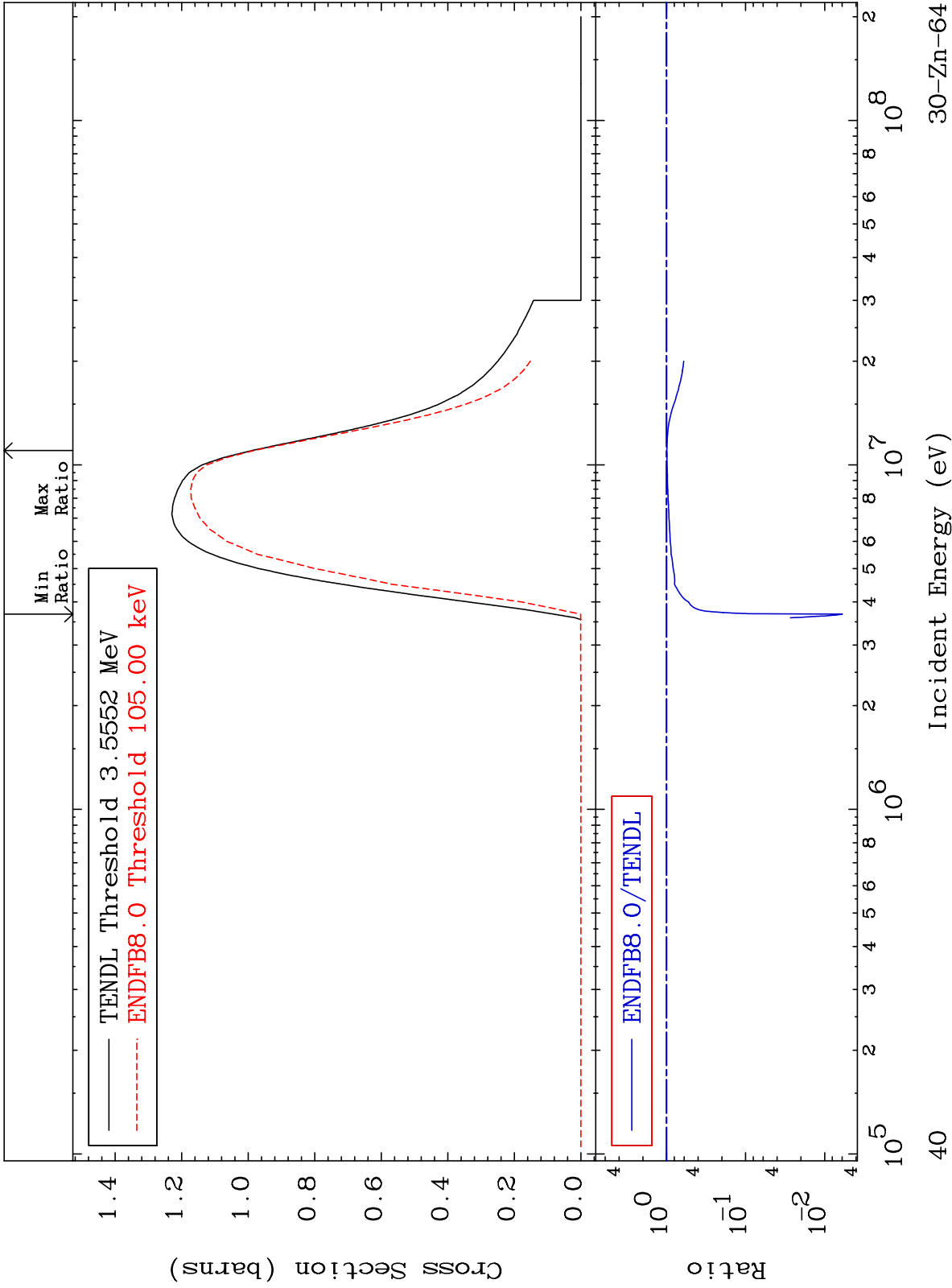
30-Zn-64
-19.40 To 70.62 %



MAT 3025

(n, n') Continuum
Cross Section

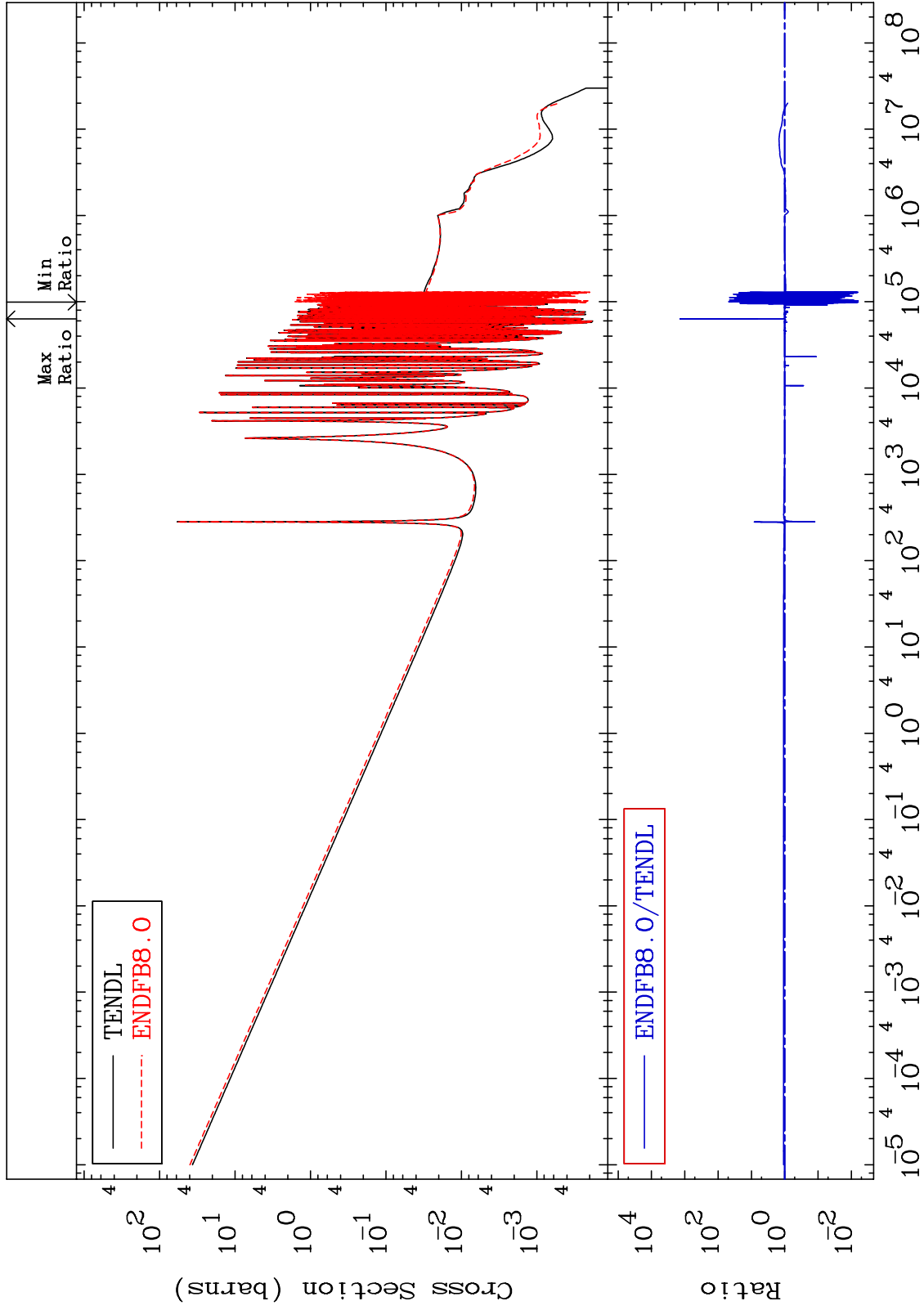
30-Zn-64
-99.40 To -0.599%



MAT 3025

(n, γ)
Cross Section

30-Zn-64
-99.39 To 9999. %



41

Incident Energy (eV)

30-Zn-64

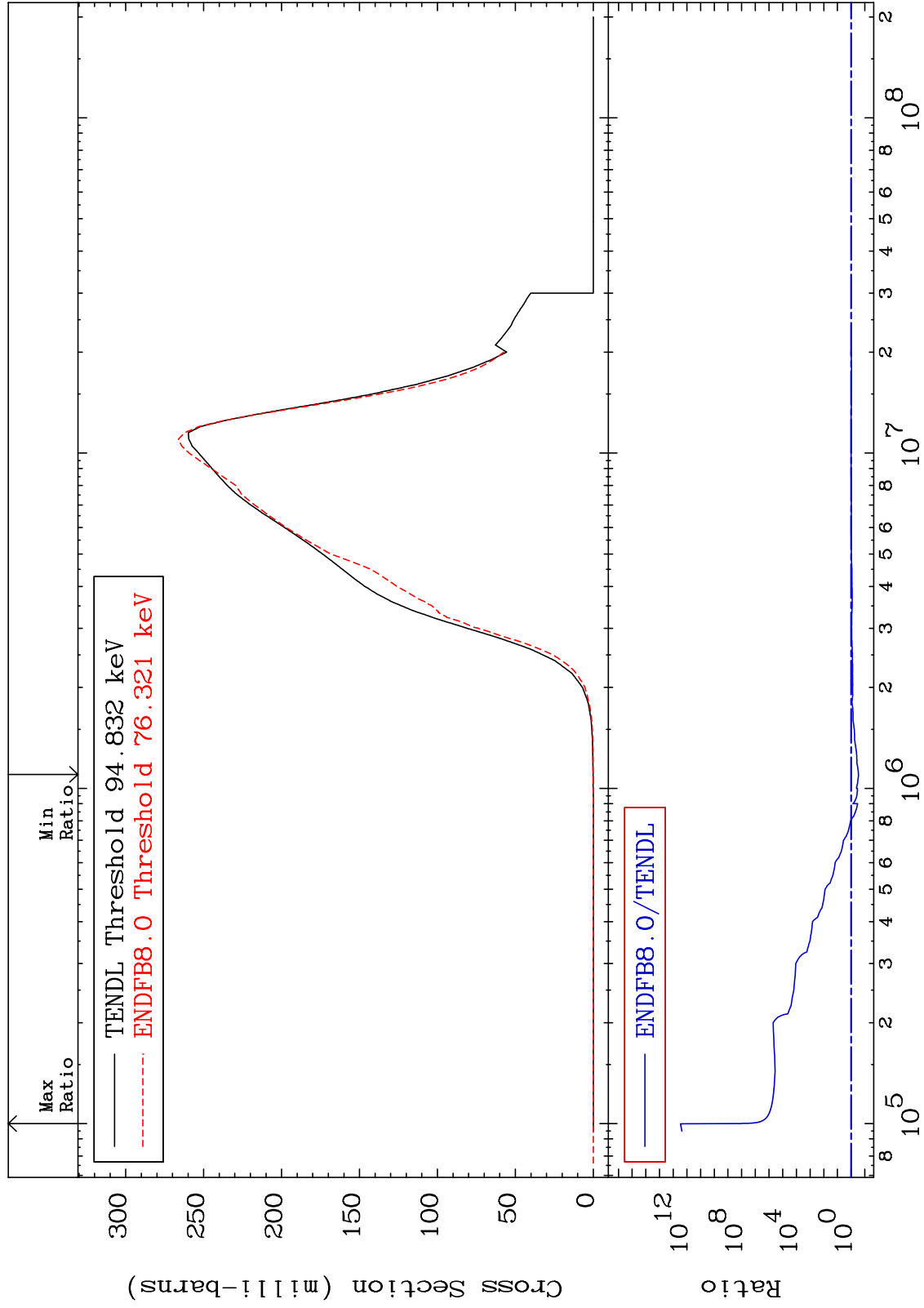
MAT 3025

(n,p)

30-Zn-64

Cross Section

-71.15 To 9999. %



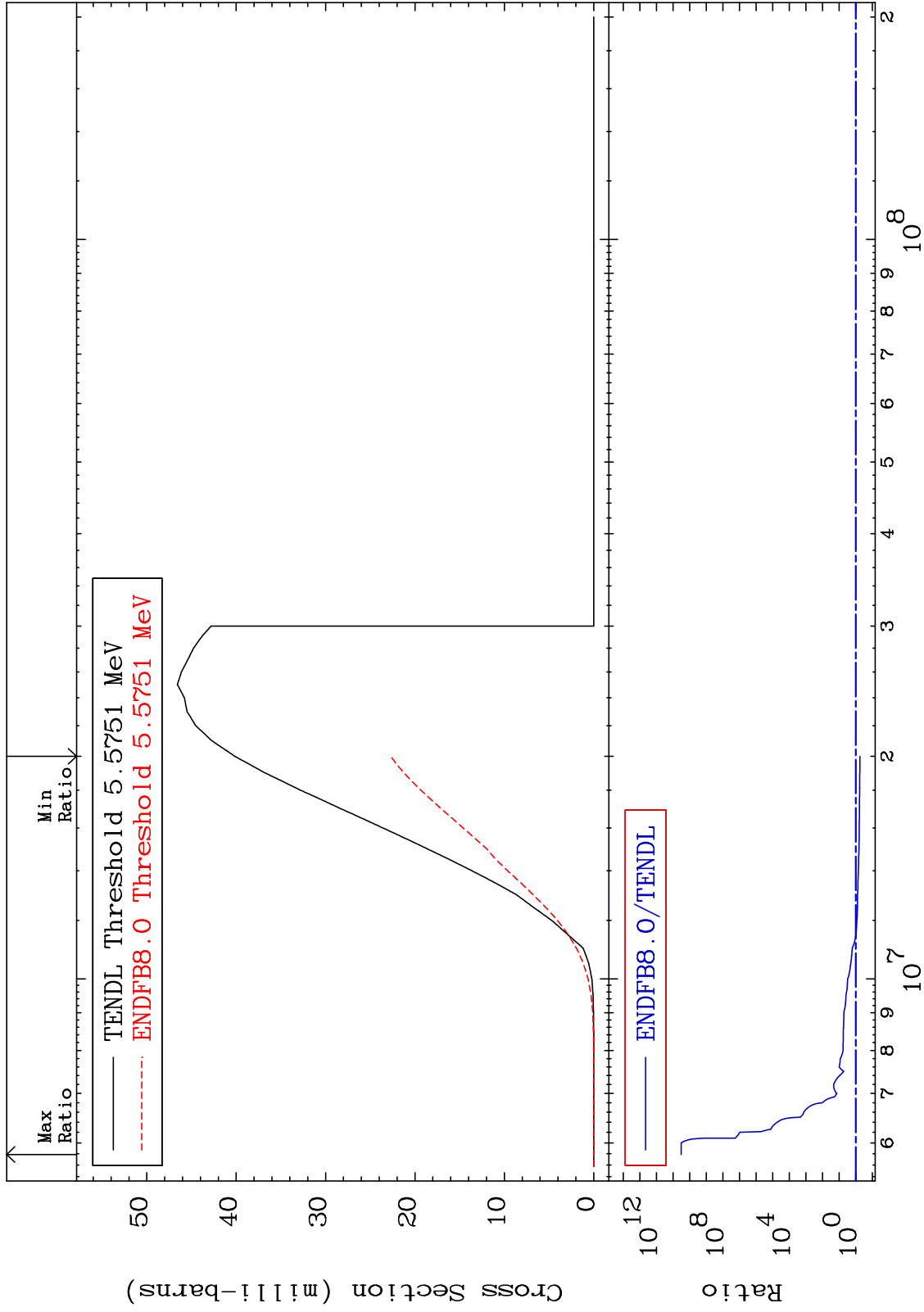
MAT 3025

(n,d)

30-Zn-64

Cross Section

-43.43 To 9999. %



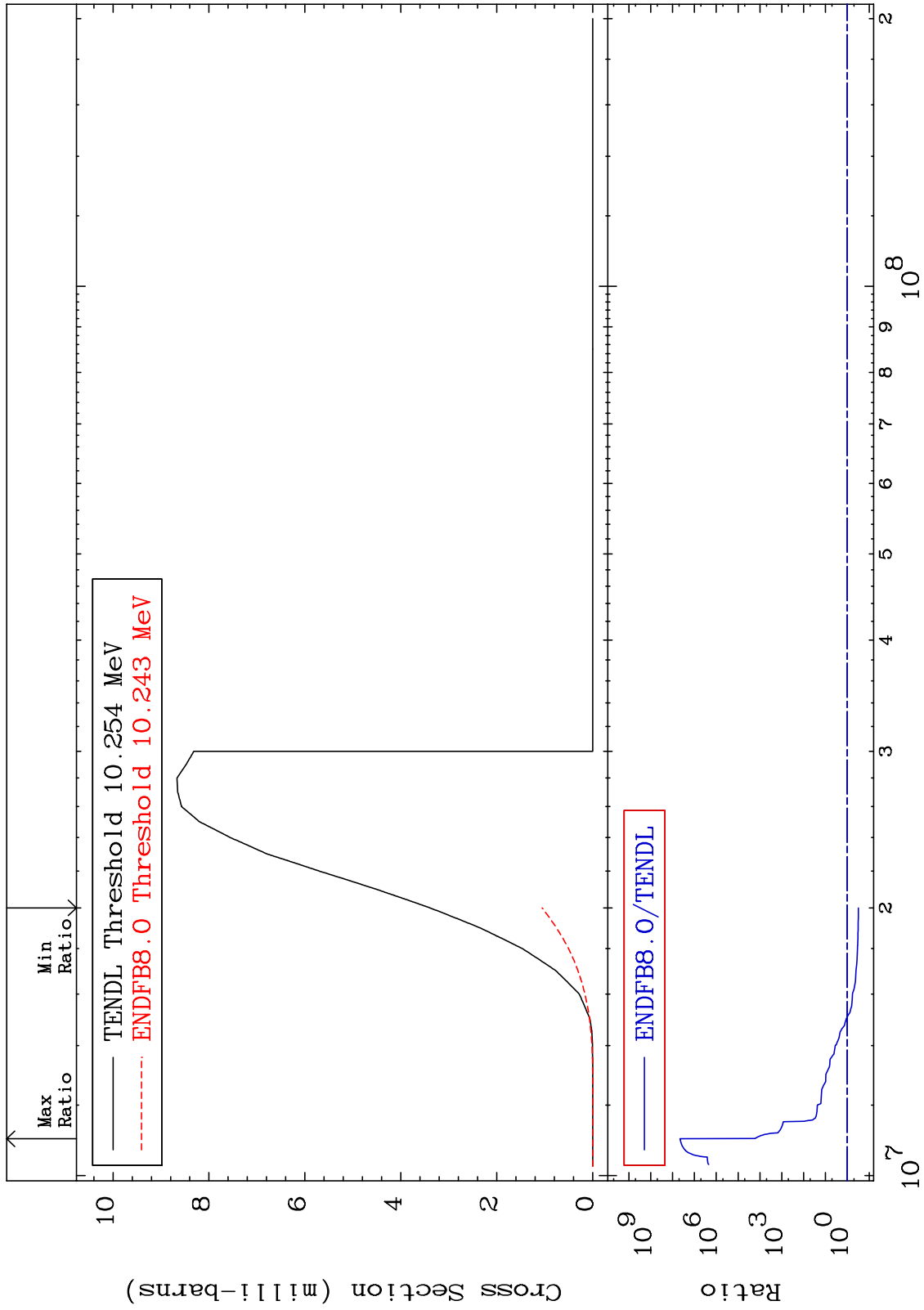
MAT 3025

(n, t)

30-Zn-64

Cross Section

-68.94 To 9999. %



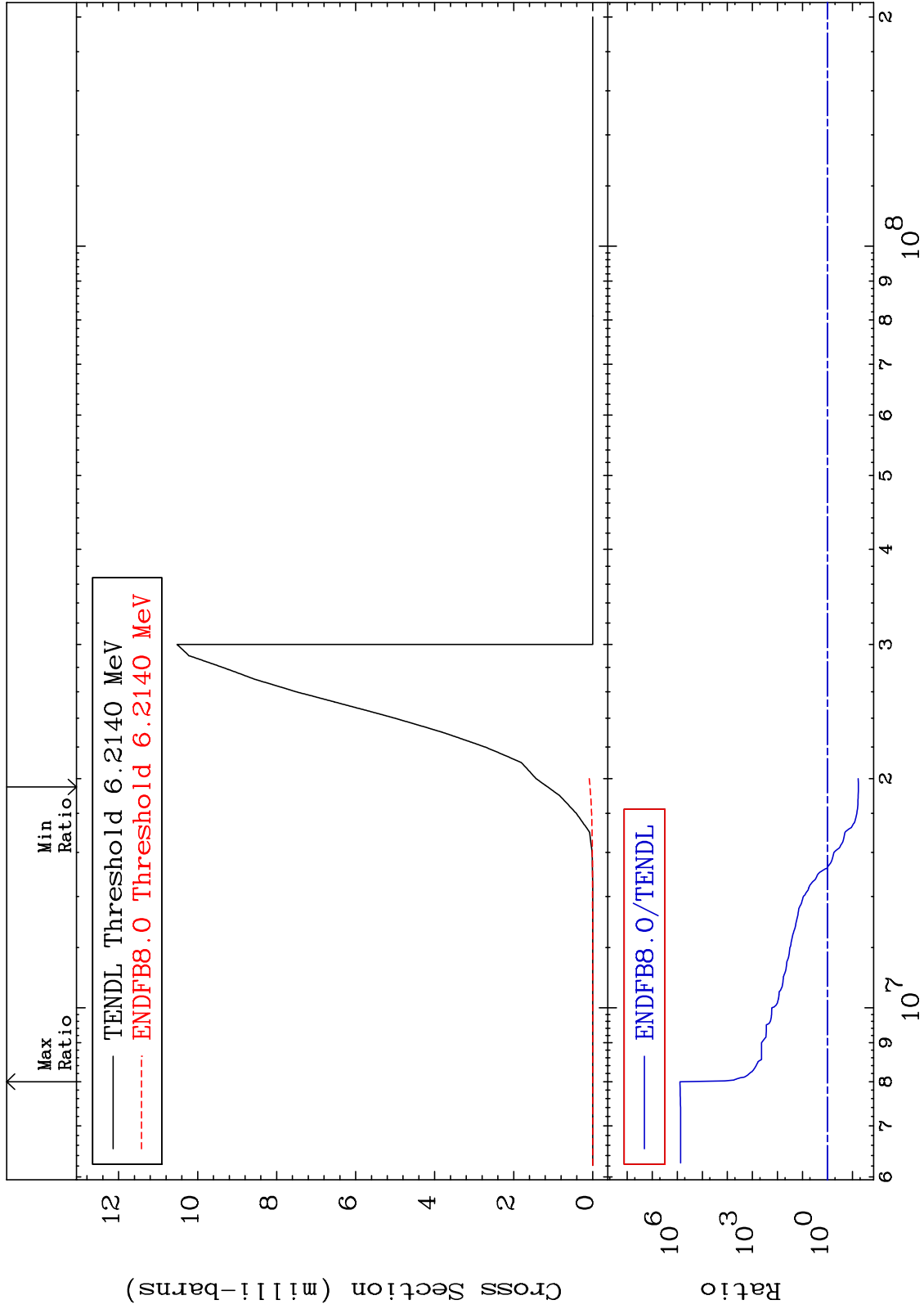
MAT 3025

(n, He-3)

30-Zn-64

Cross Section

-94.18 To 9999. %



45

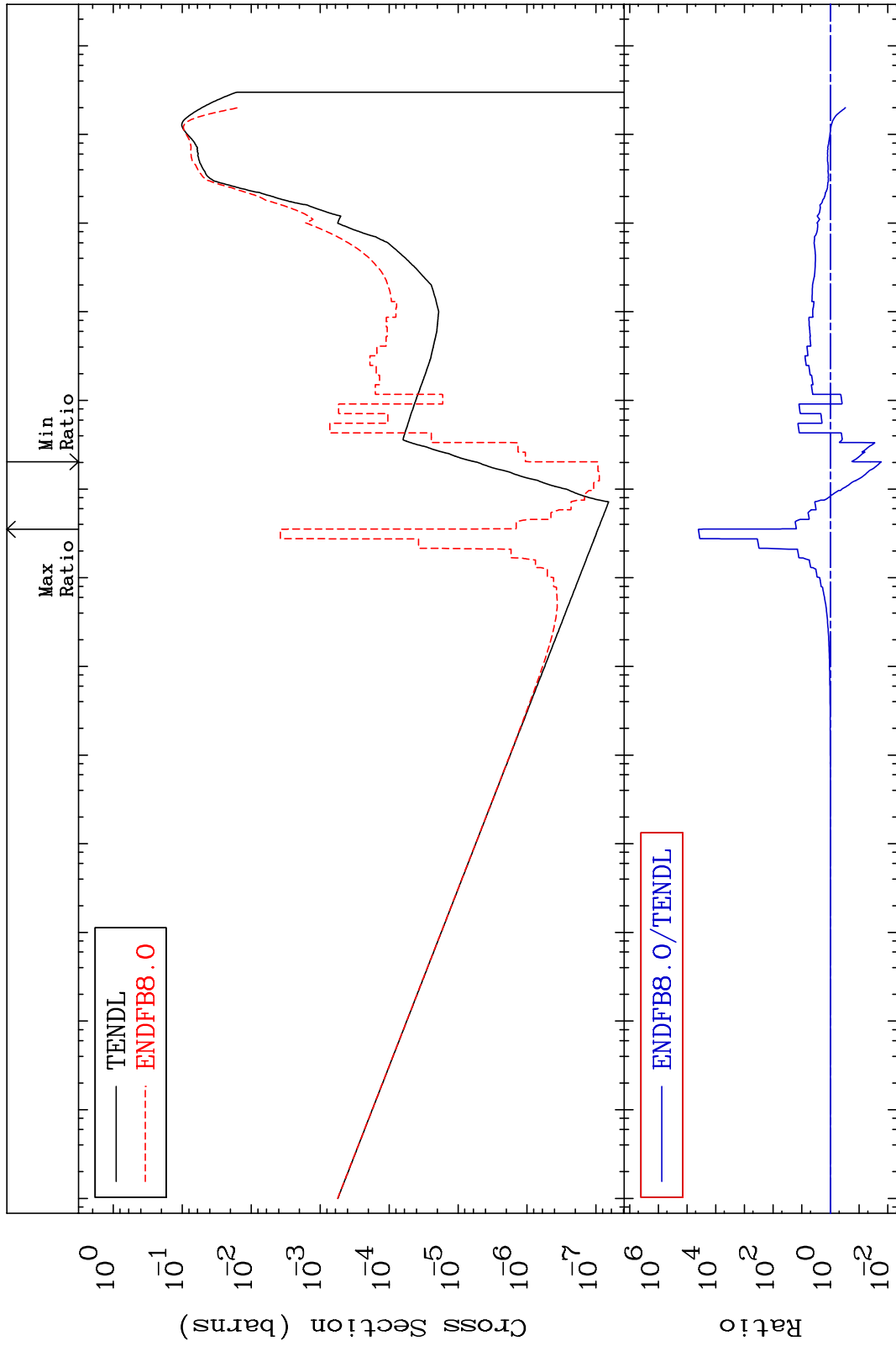
Incident Energy (eV)

30-Zn-64

MAT 3025

(n, α)
Cross Section

30-Zn-64
-98.35 To 9999. %



46

Incident Energy (eV)

30-Zn-64

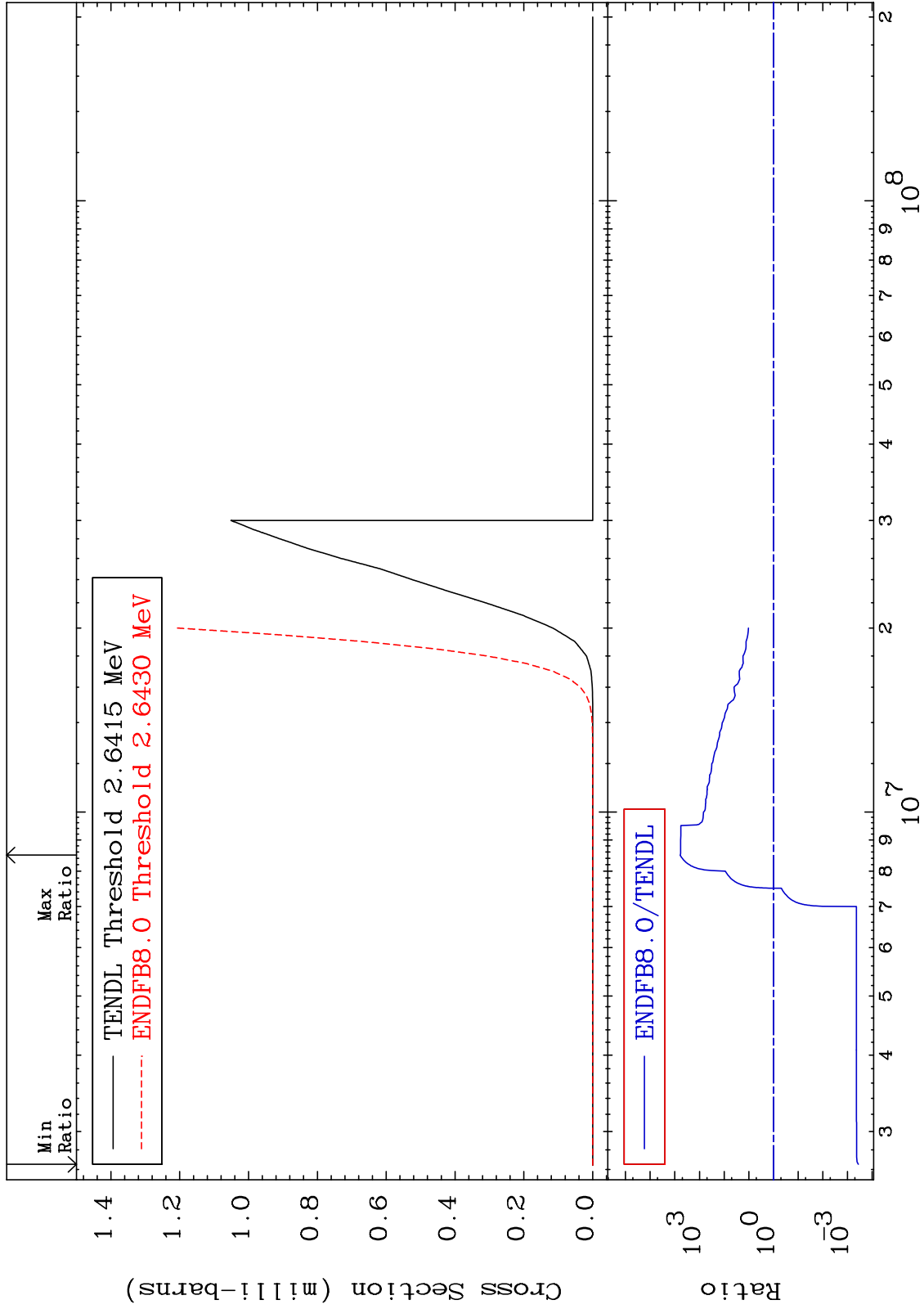
MAT 3025

(n,2α)

30-Zn-64

Cross Section

-99.96 To 9999. %



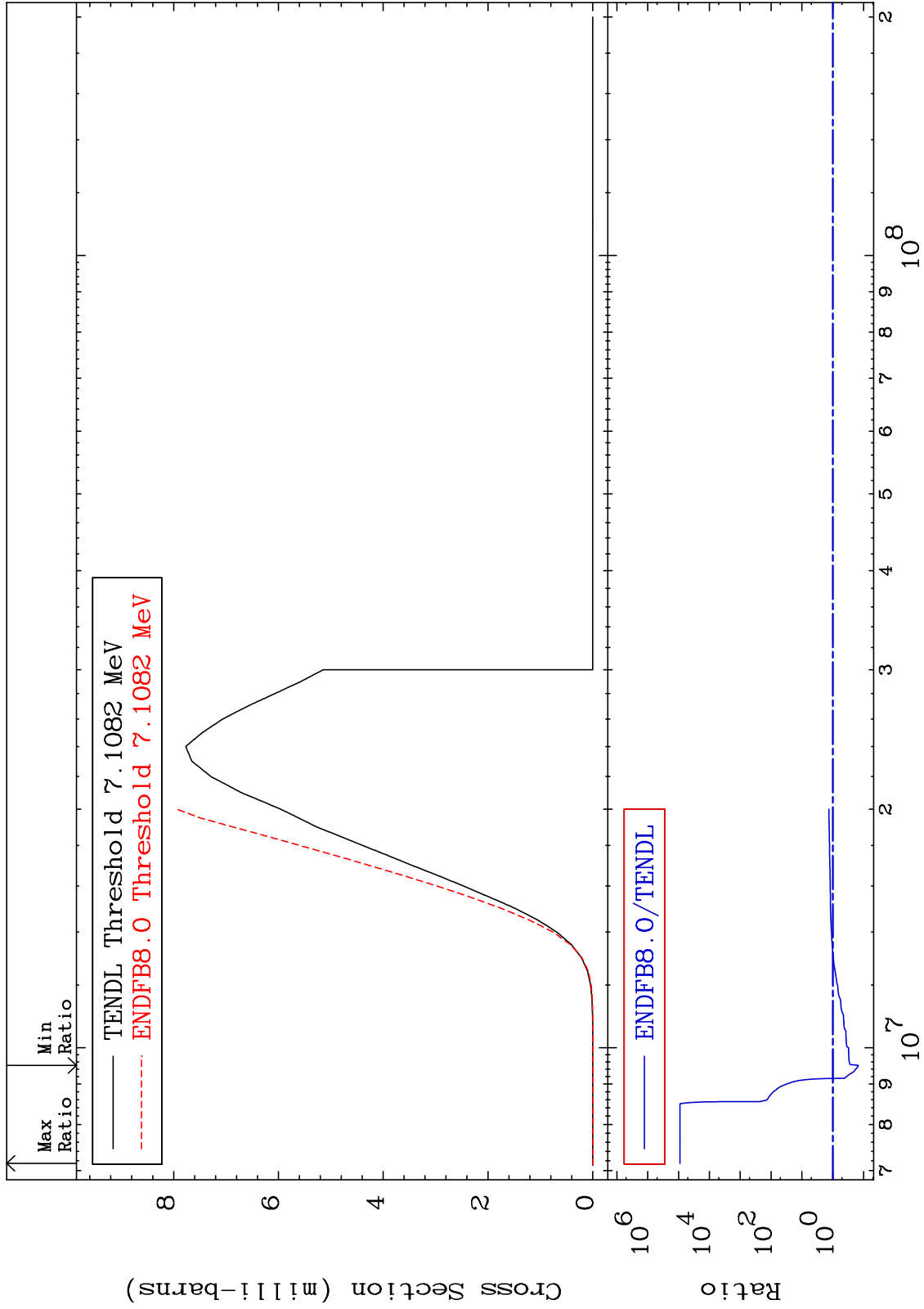
MAT 3025

(n,2p)

30-Zn-64

Cross Section

-85.28 To 9999. %



30-Zn-64

Incident Energy (eV)

48

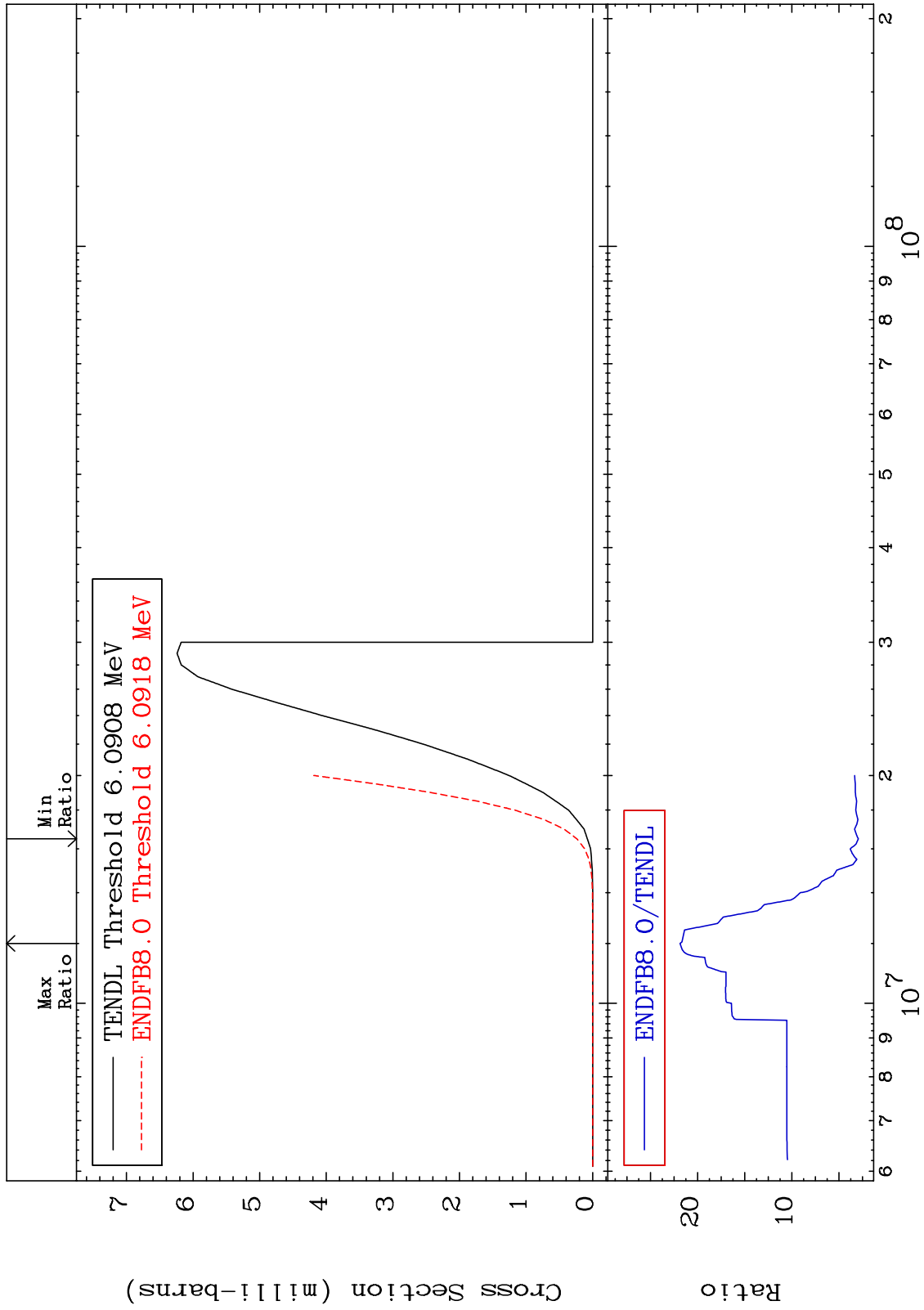
MAT 3025

(n,p) α

30-Zn-64

Cross Section

193.5 To 2086. %



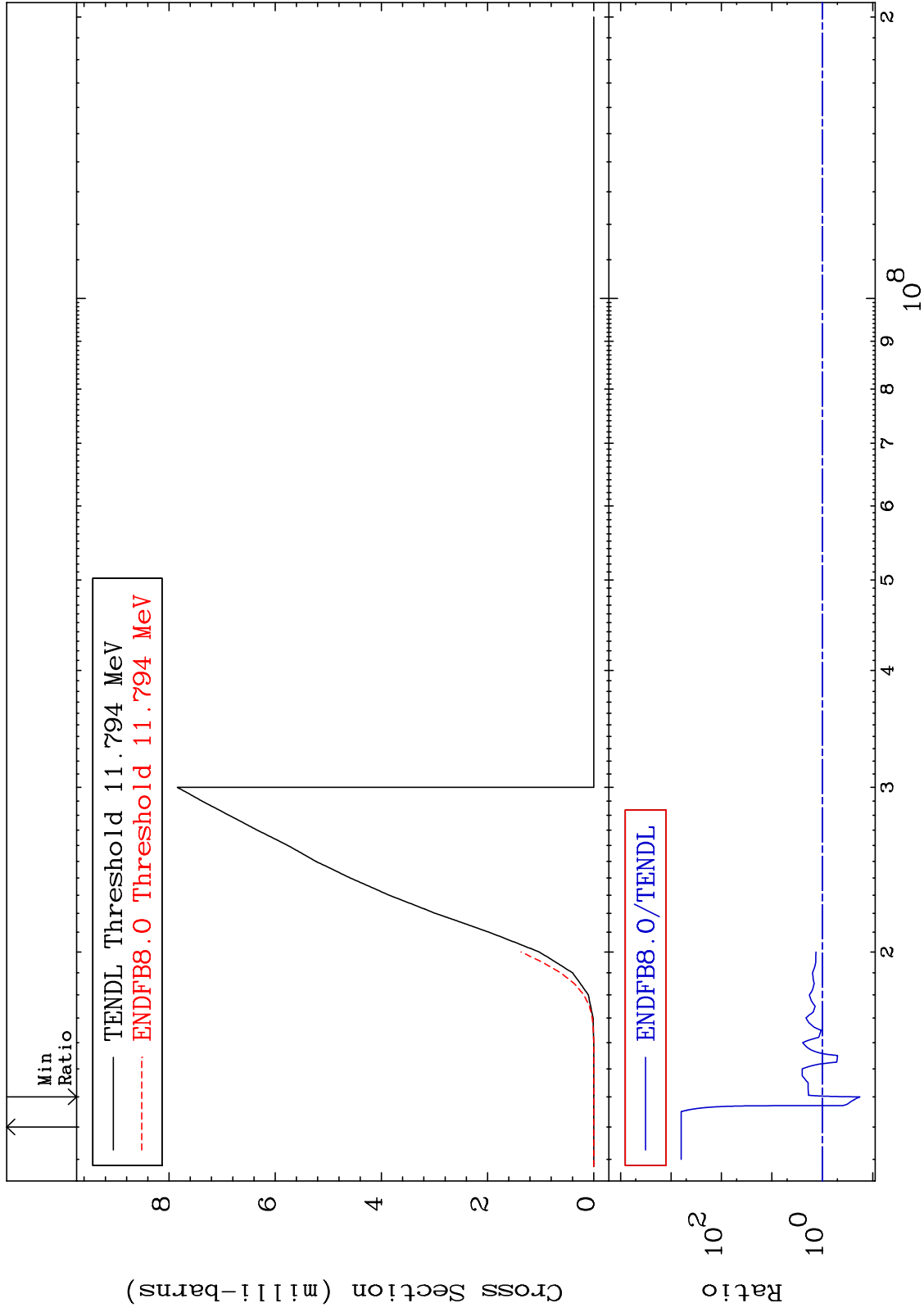
MAT 3025

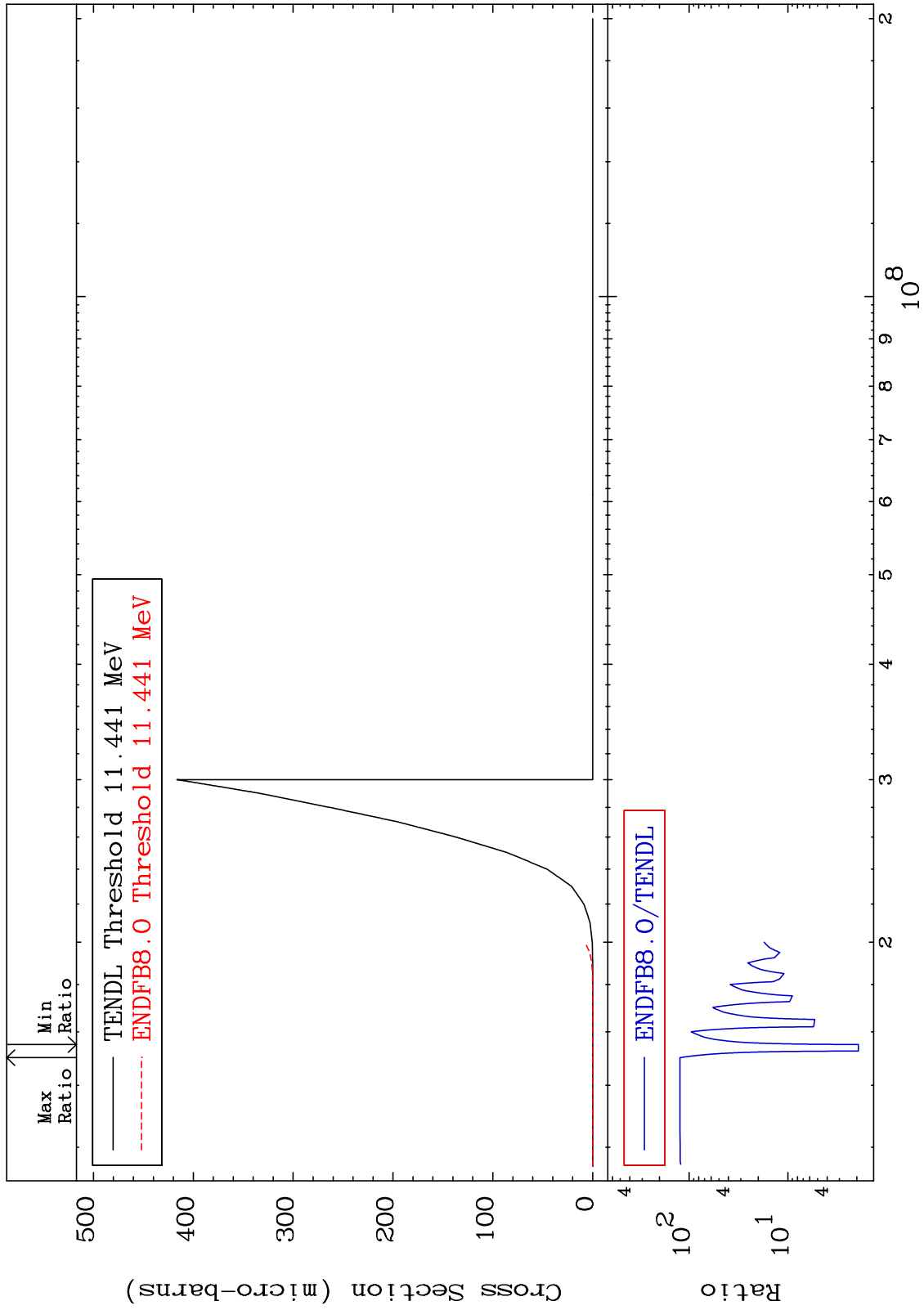
(n,p) d

30-Zn-64

Cross Section

-82.06 To 9999. %

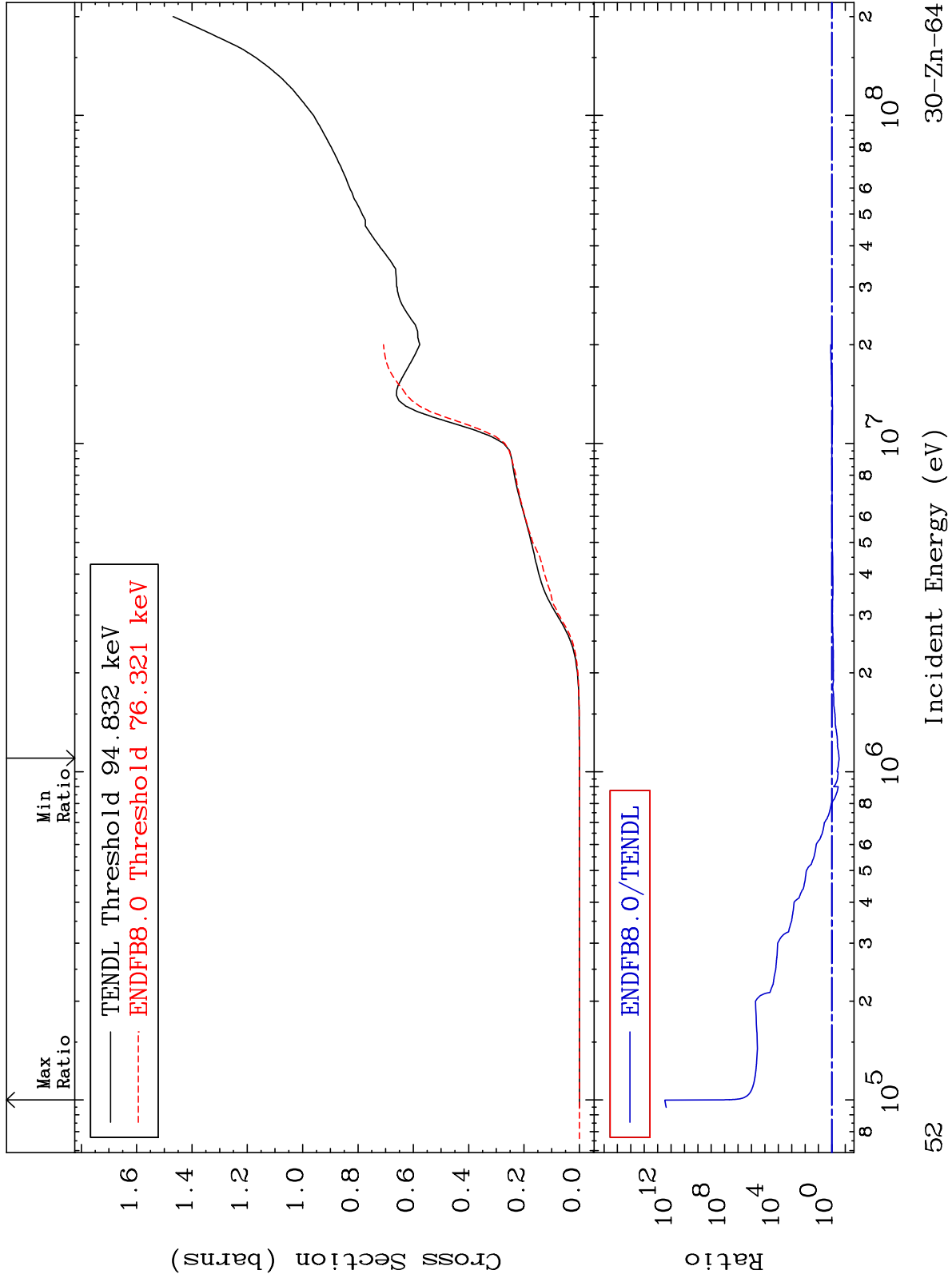




MAT 3025

Hydrogen Production
Cross Section

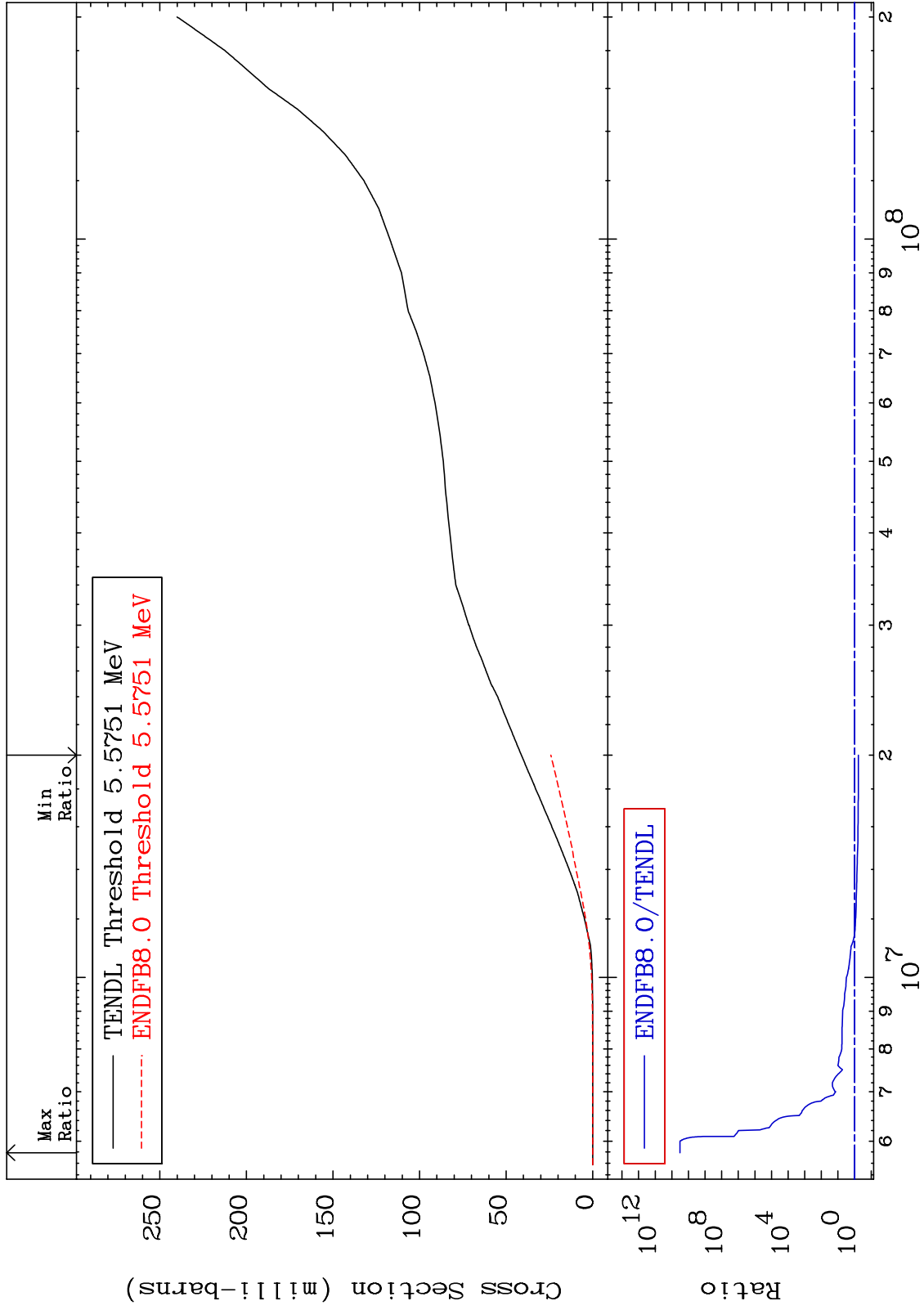
30-Zn-64
-71.15 To 9999. %



MAT 3025

Deuterium Production
Cross Section

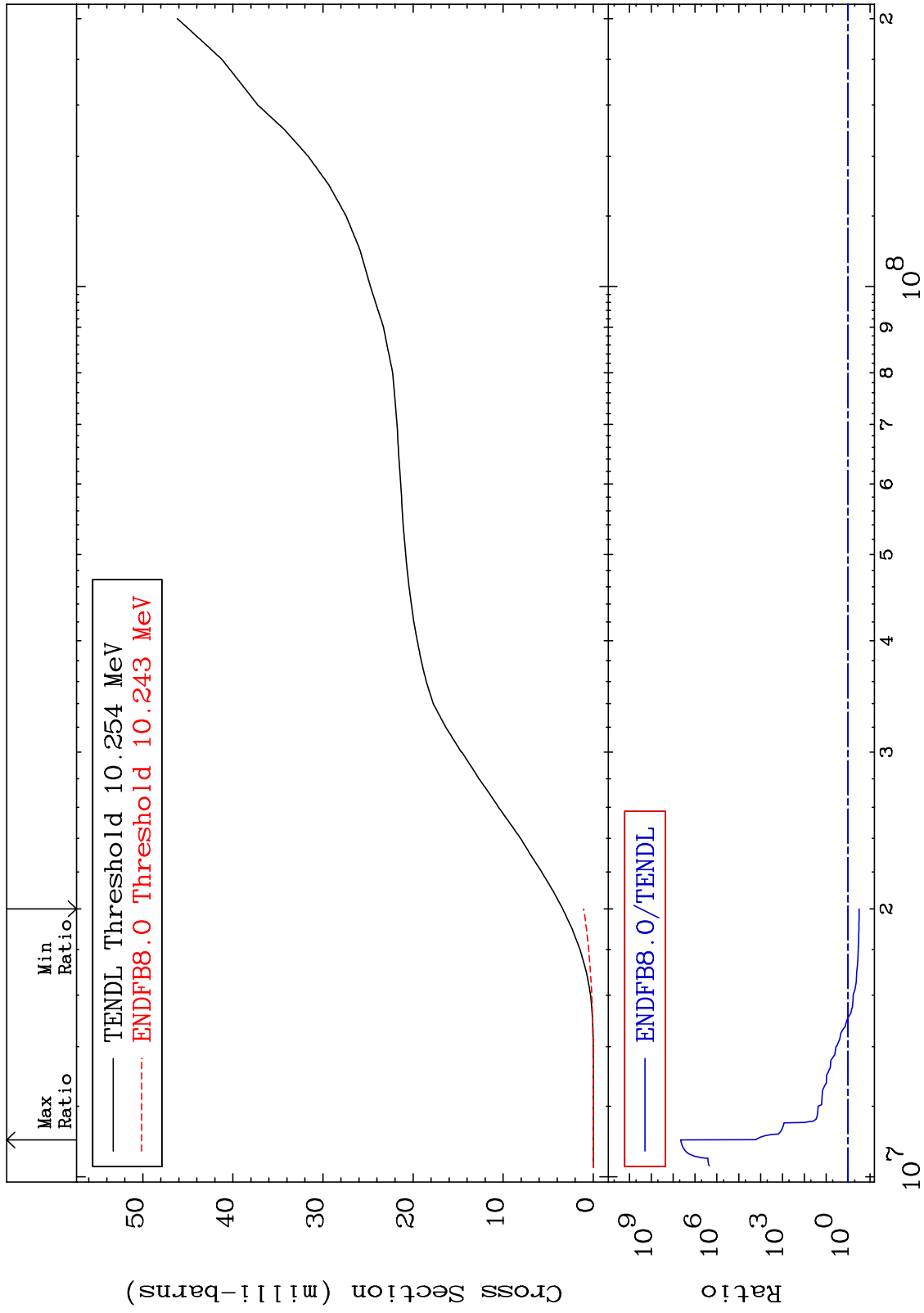
30-Zn-64
-41.36 To 9999. %



MAT 3025

Tritium Production
Cross Section

30-Zn-64
-68.94 To 9999. %



54

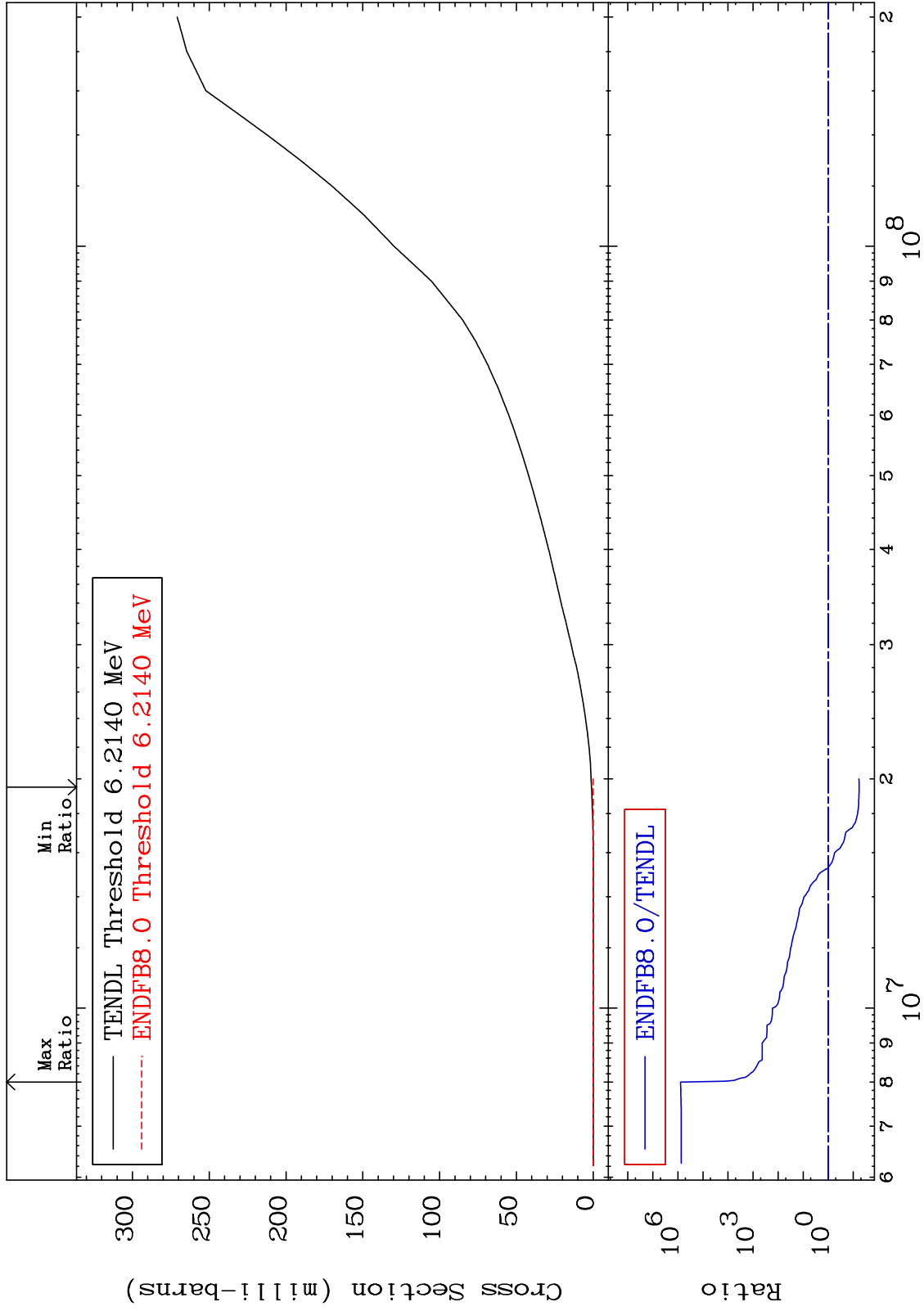
Incident Energy (eV)

30-Zn-64

MAT 3025

He-3 Production
Cross Section

30-Zn-64
-94.18 To 9999. %



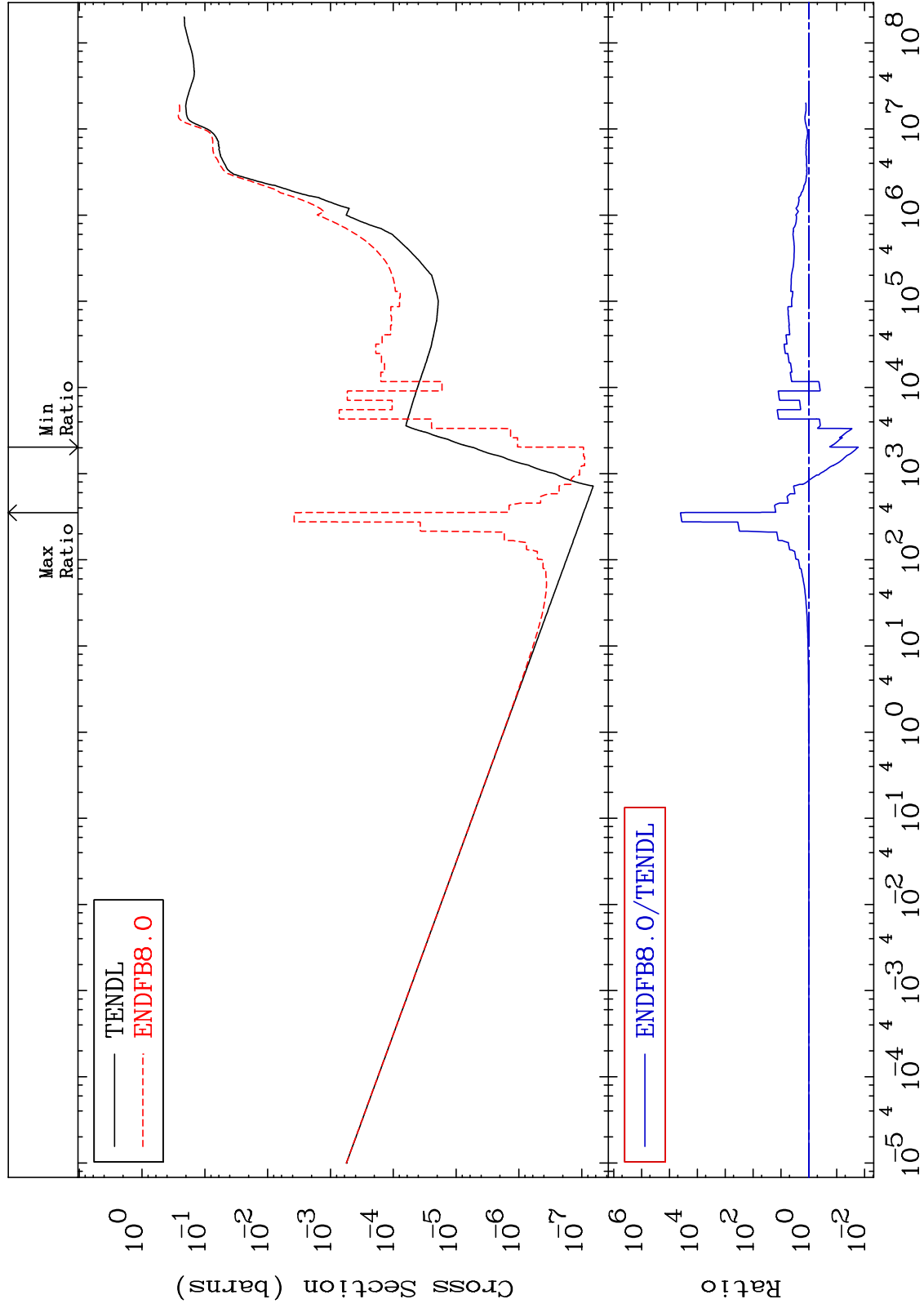
55

30-Zn-64

MAT 3025

He-4 Production
Cross Section

30-Zn-64
-98.35 To 9999. %



56

Incident Energy (eV)

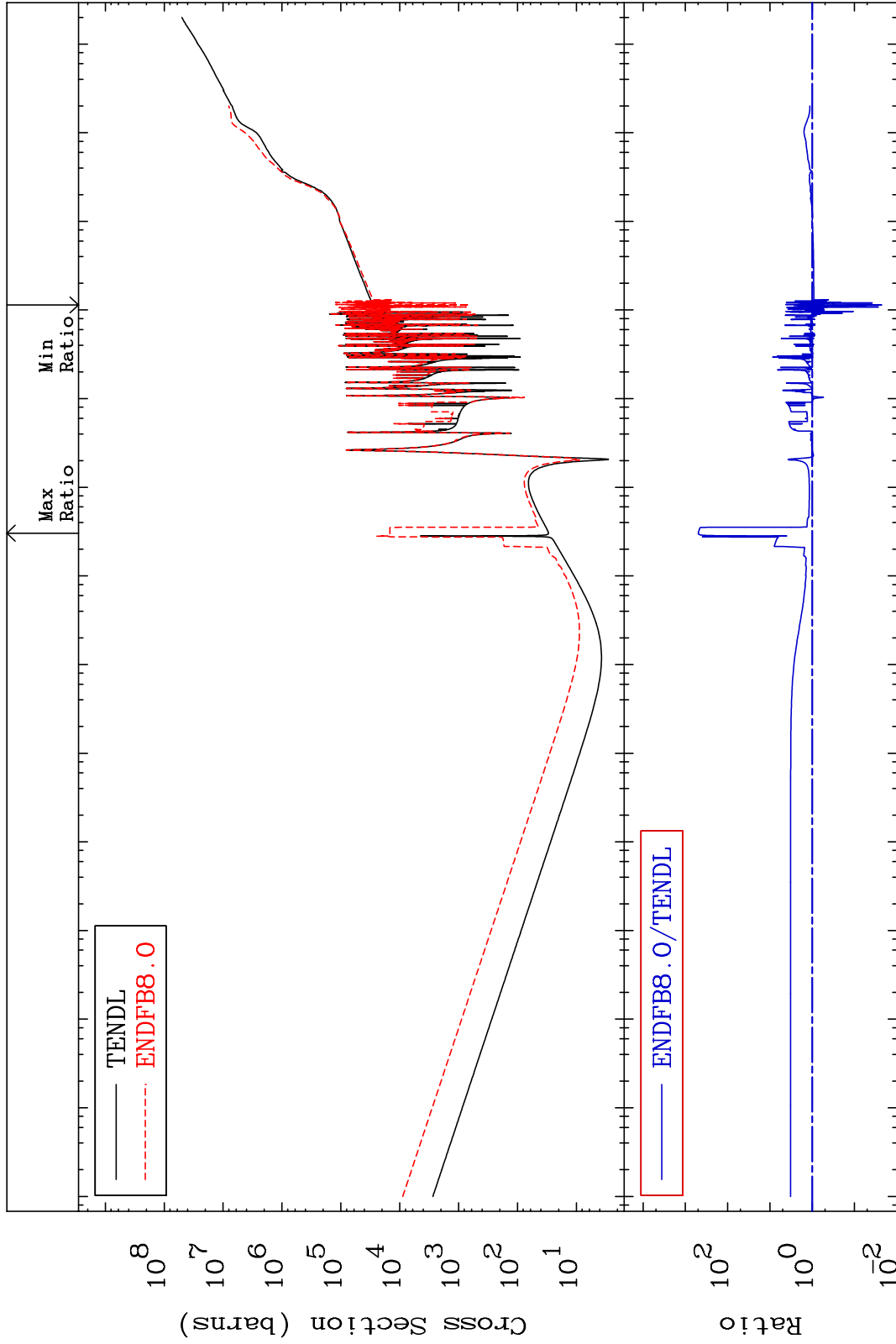
30-Zn-64

MAT 3025

Kerma total (eV-barns)
Cross Section

30-Zn-64

-97.71 To 9999. %



57

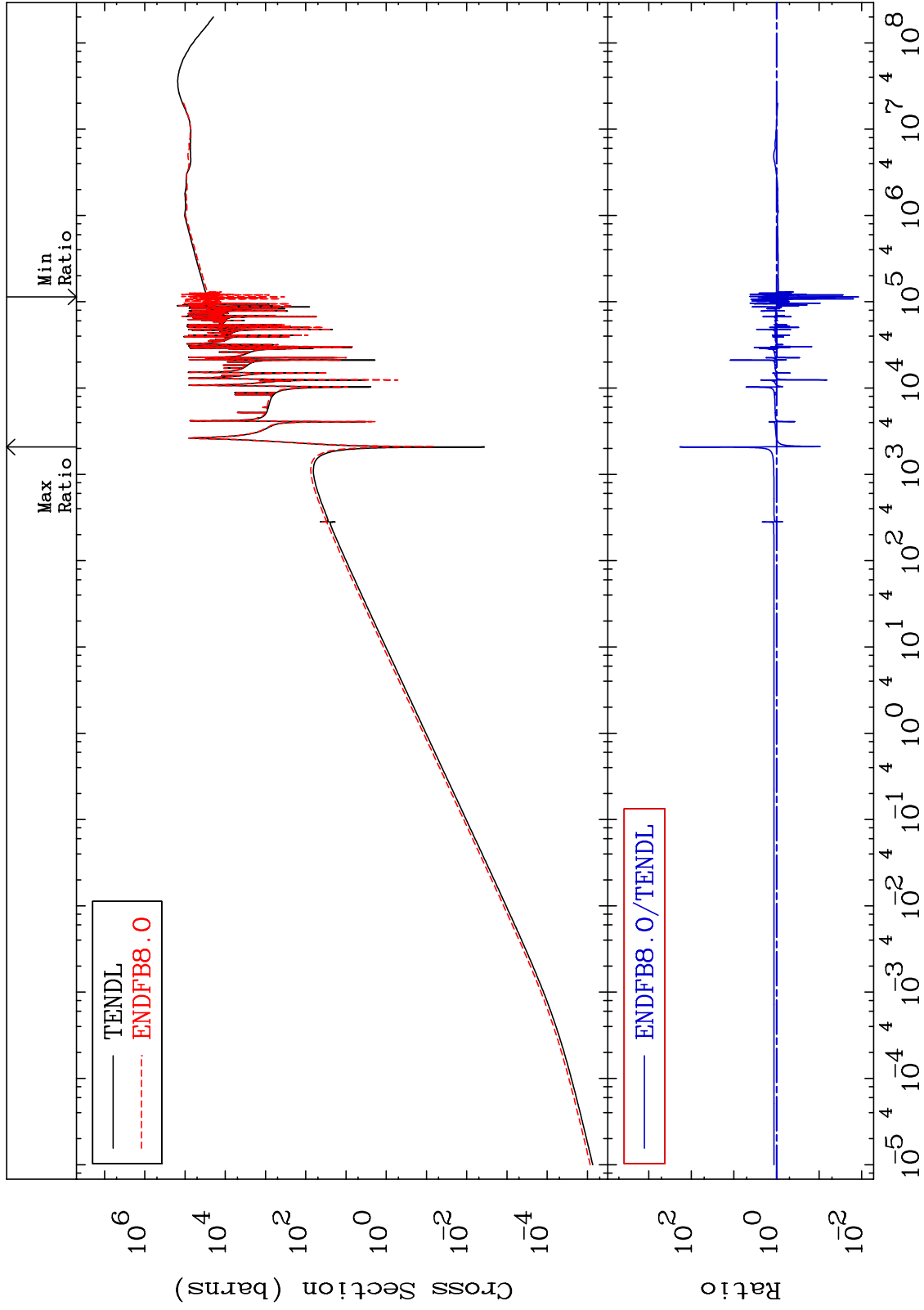
Incident Energy (eV)

30-Zn-64

MAT 3025

Kerma elastic
Cross Section

30-Zn-64
-98.80 To 9999. %



58

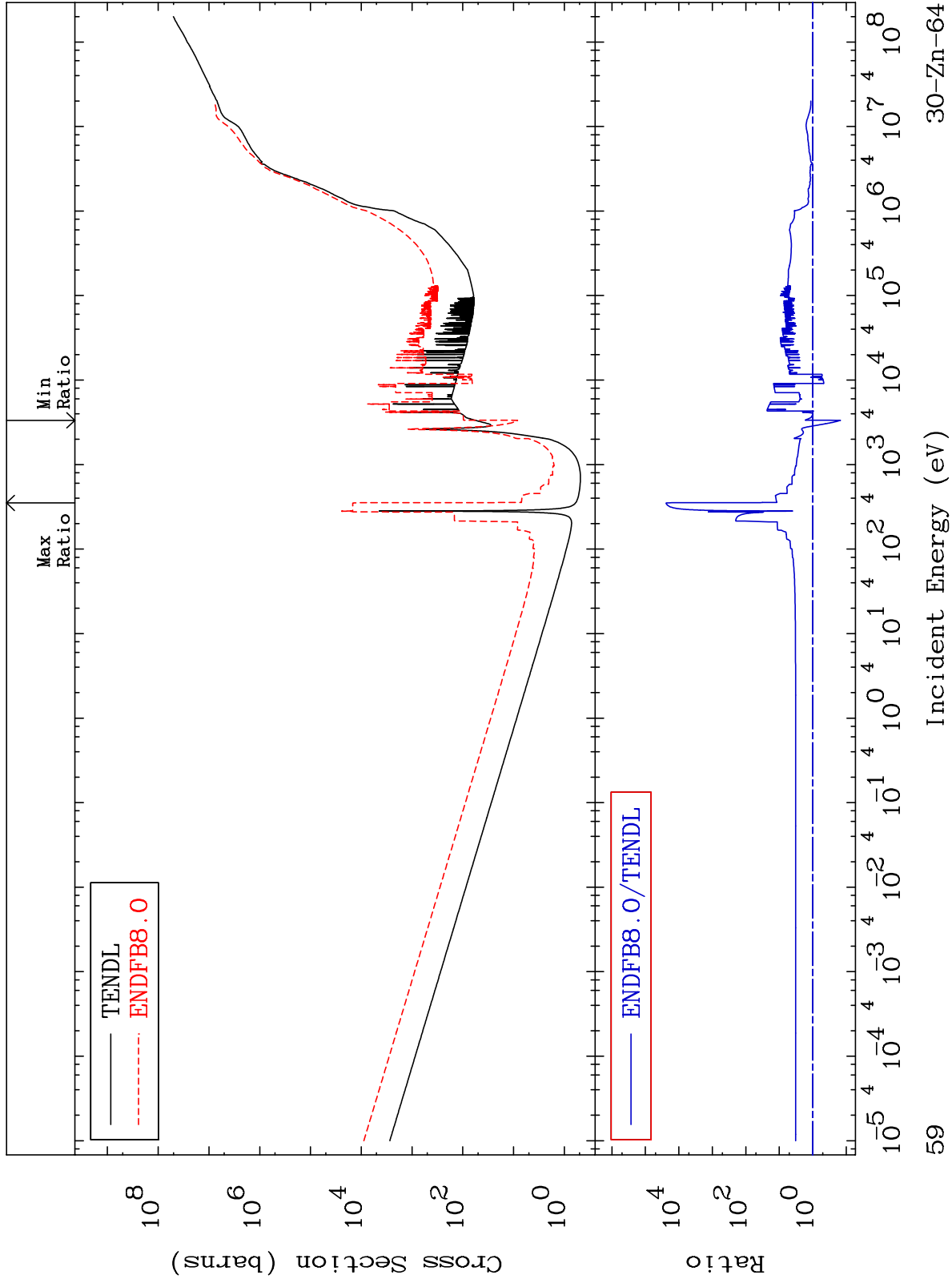
Incident Energy (eV)

30-Zn-64

MAT 3025

Kerma non-elastic (all but mt2)
Cross Section

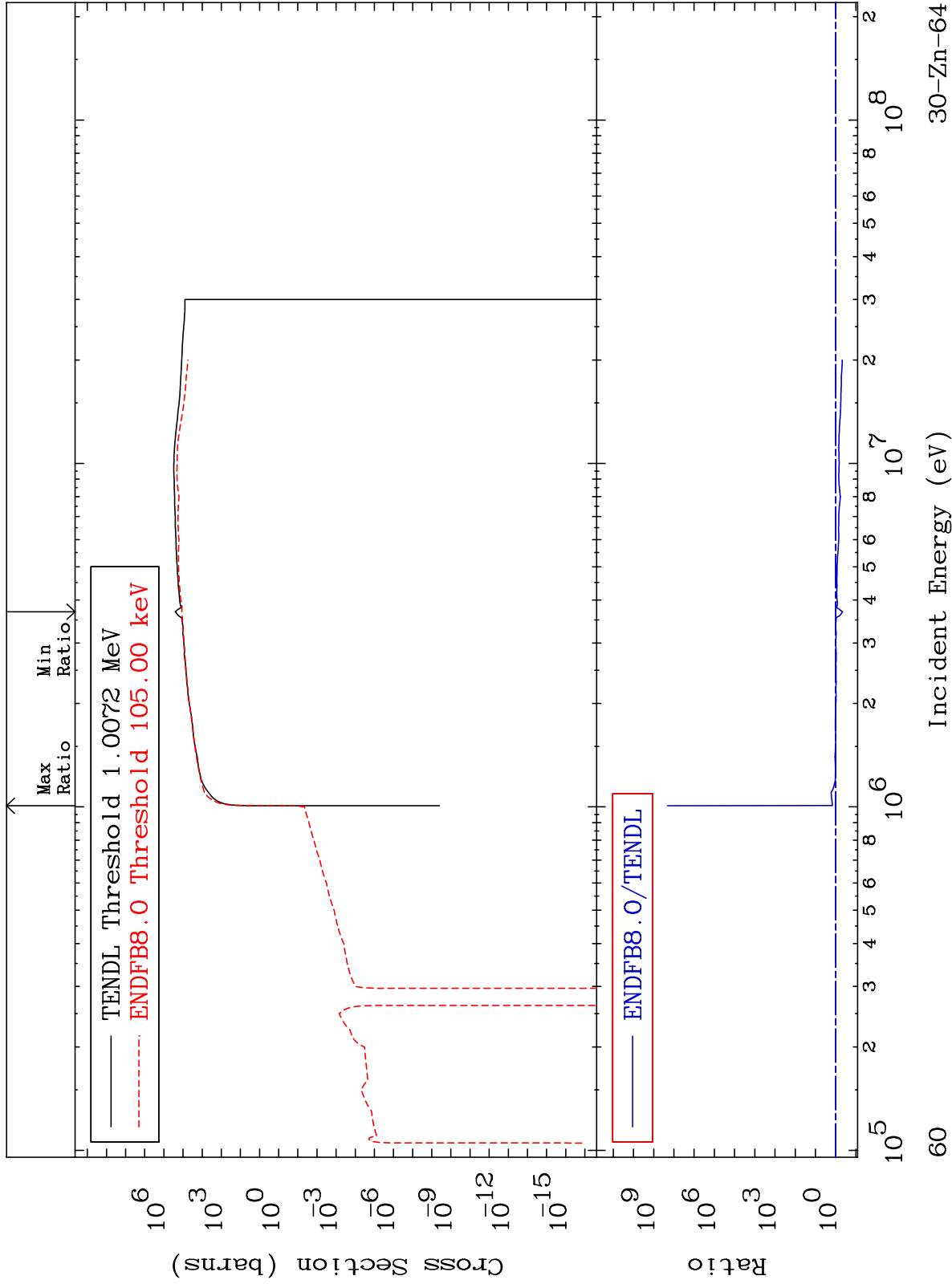
30-Zn-64
-85.23 To 9999. %



MAT 3025

Kerma inelastic (mt51-91)
Cross Section

30-Zn-64
-54.74 To 9999. %



30-Zn-64

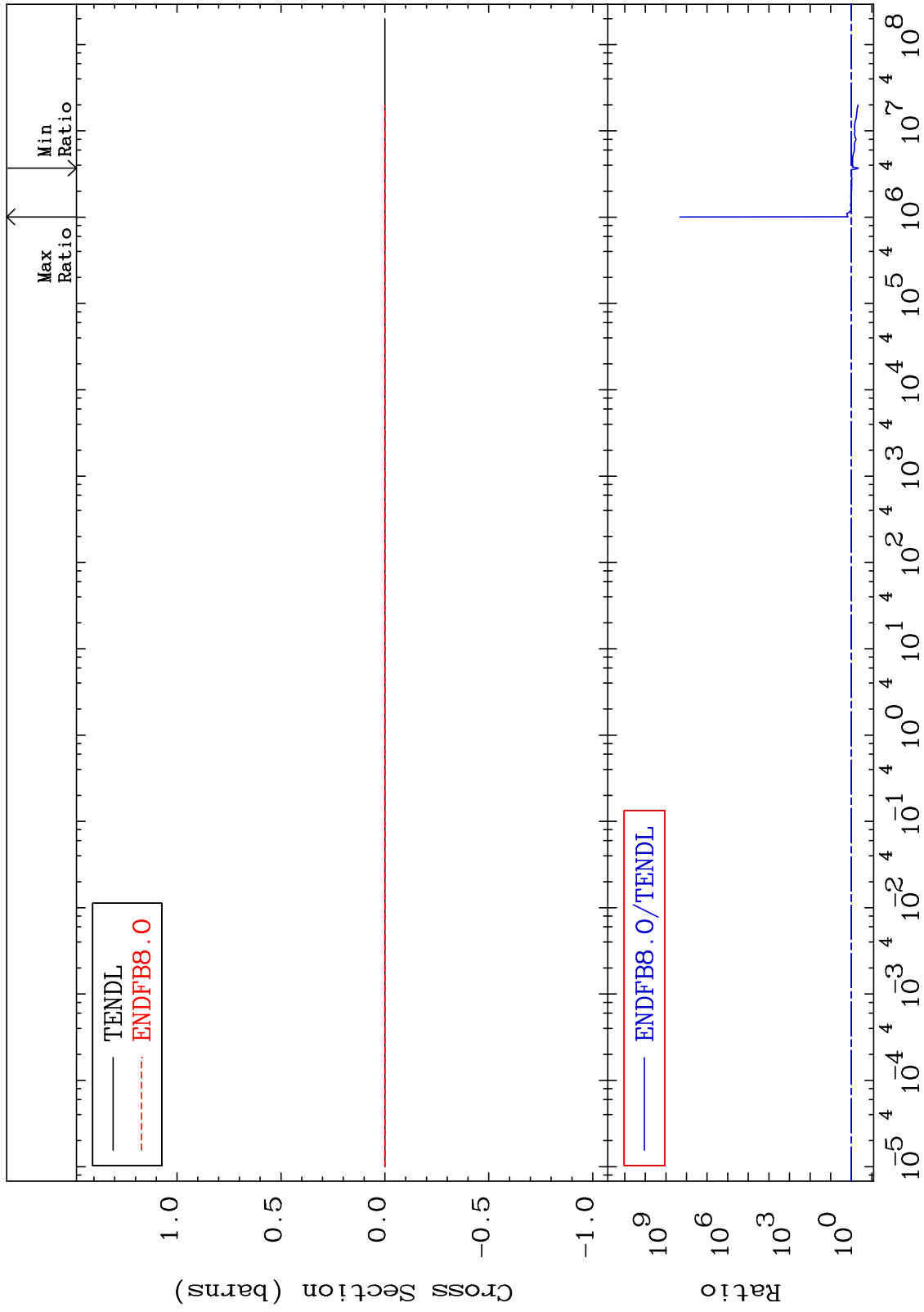
Incident Energy (eV)

60

MAT 3025

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

30-Zn-64
-54.74 To 9999. %



61

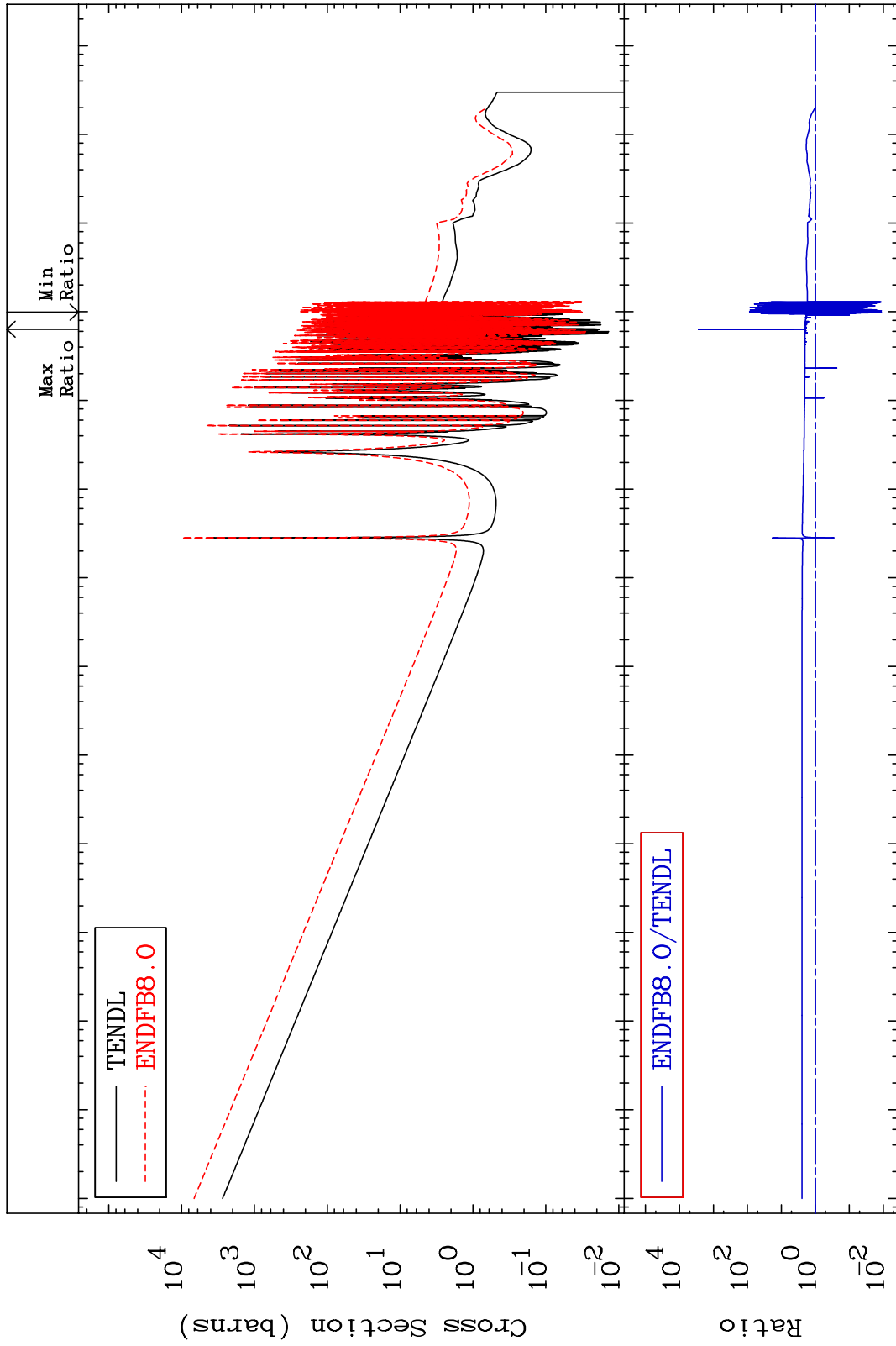
Incident Energy (eV)

30-Zn-64

MAT 3025

Kerma capture (mt102)
Cross Section

30-Zn-64
-98.88 To 9999. %



62

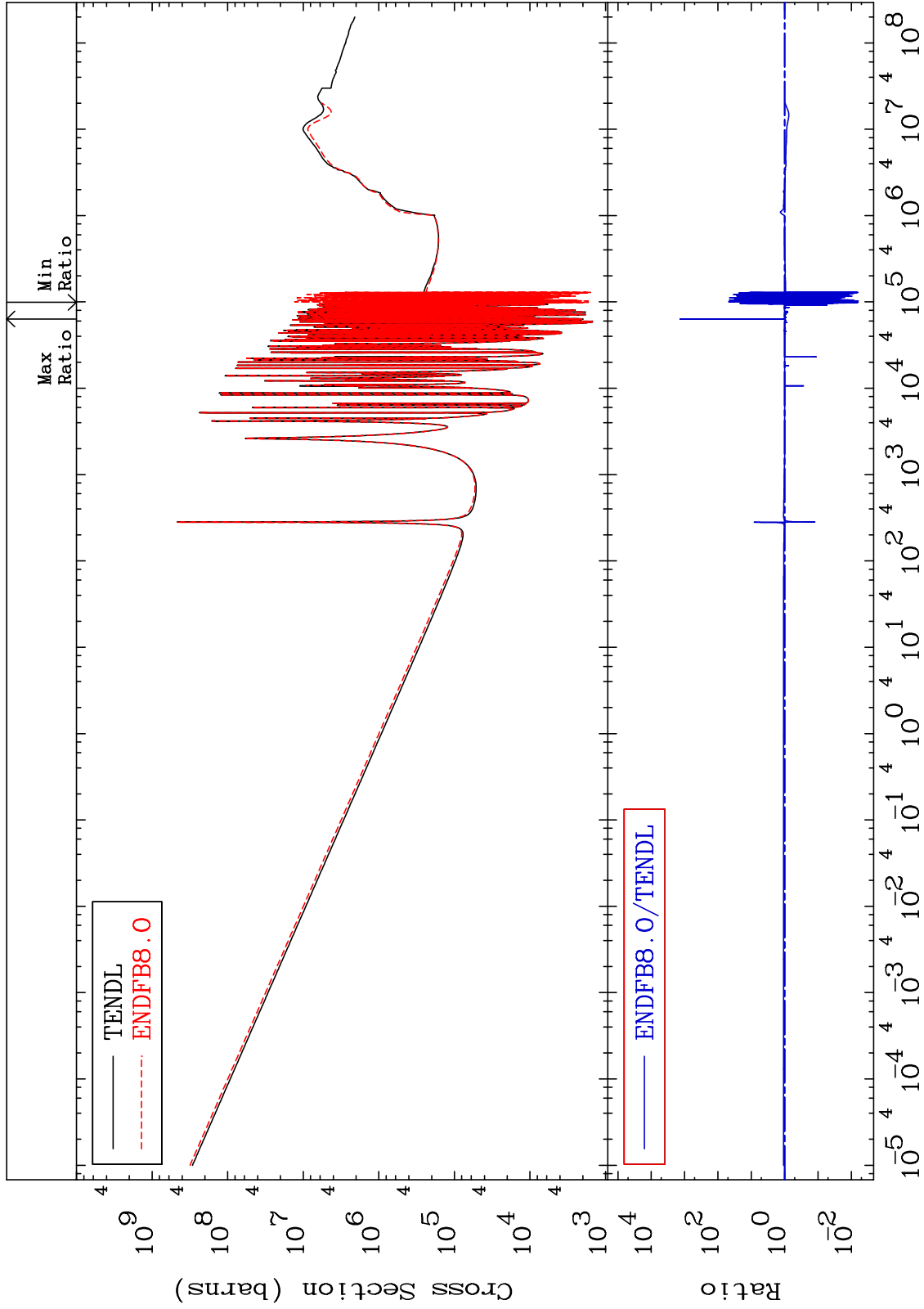
Incident Energy (eV)

30-Zn-64

MAT 3025

Total photon (eV-barns)
Cross Section

30-Zn-64
-99.39 To 9999. %



63

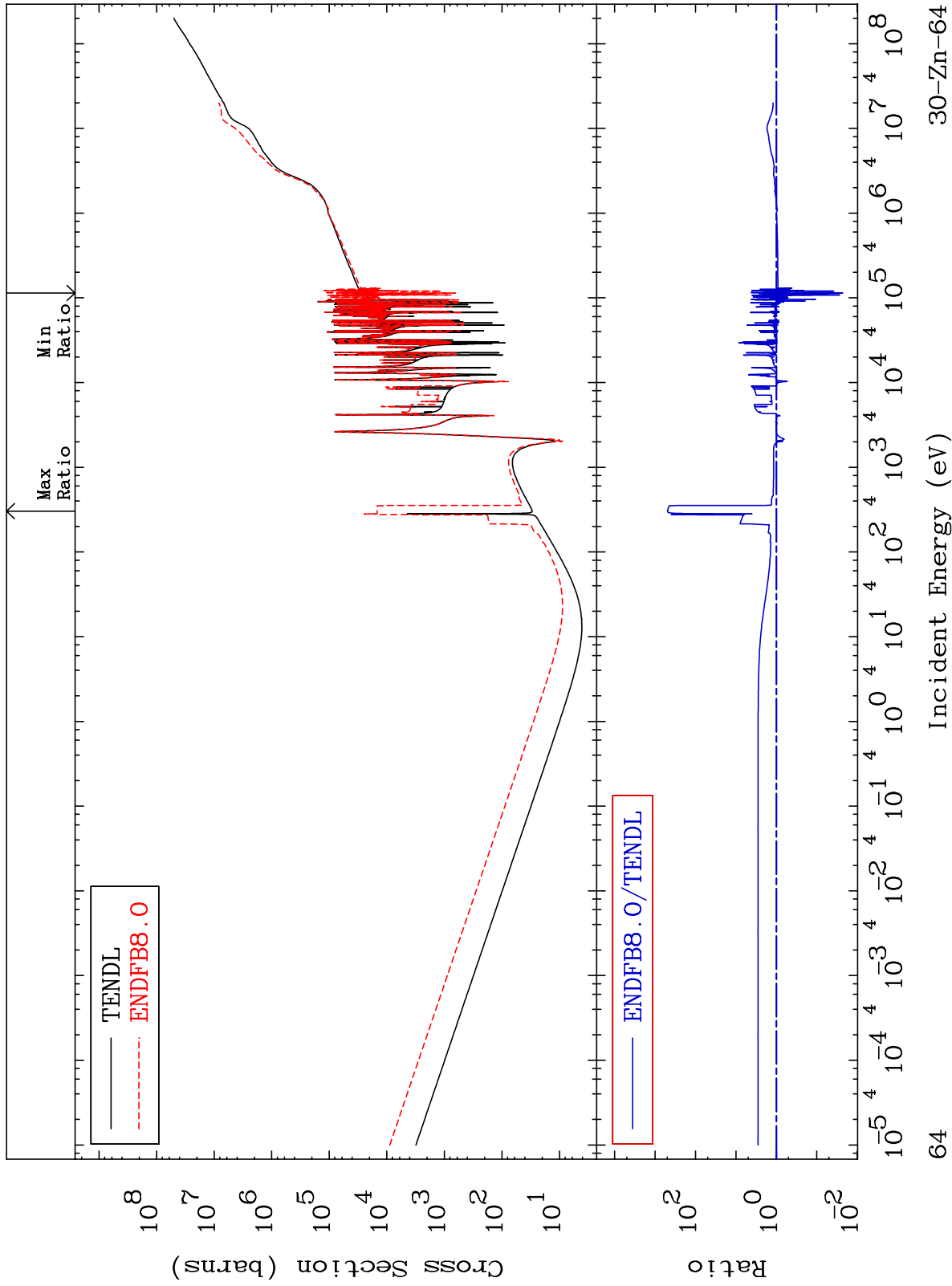
Incident Energy (eV)

30-Zn-64

MAT 3025

Total kinematic kerma (high limit)
Cross Section

30-Zn-64
-97.71 To 9999. %



64

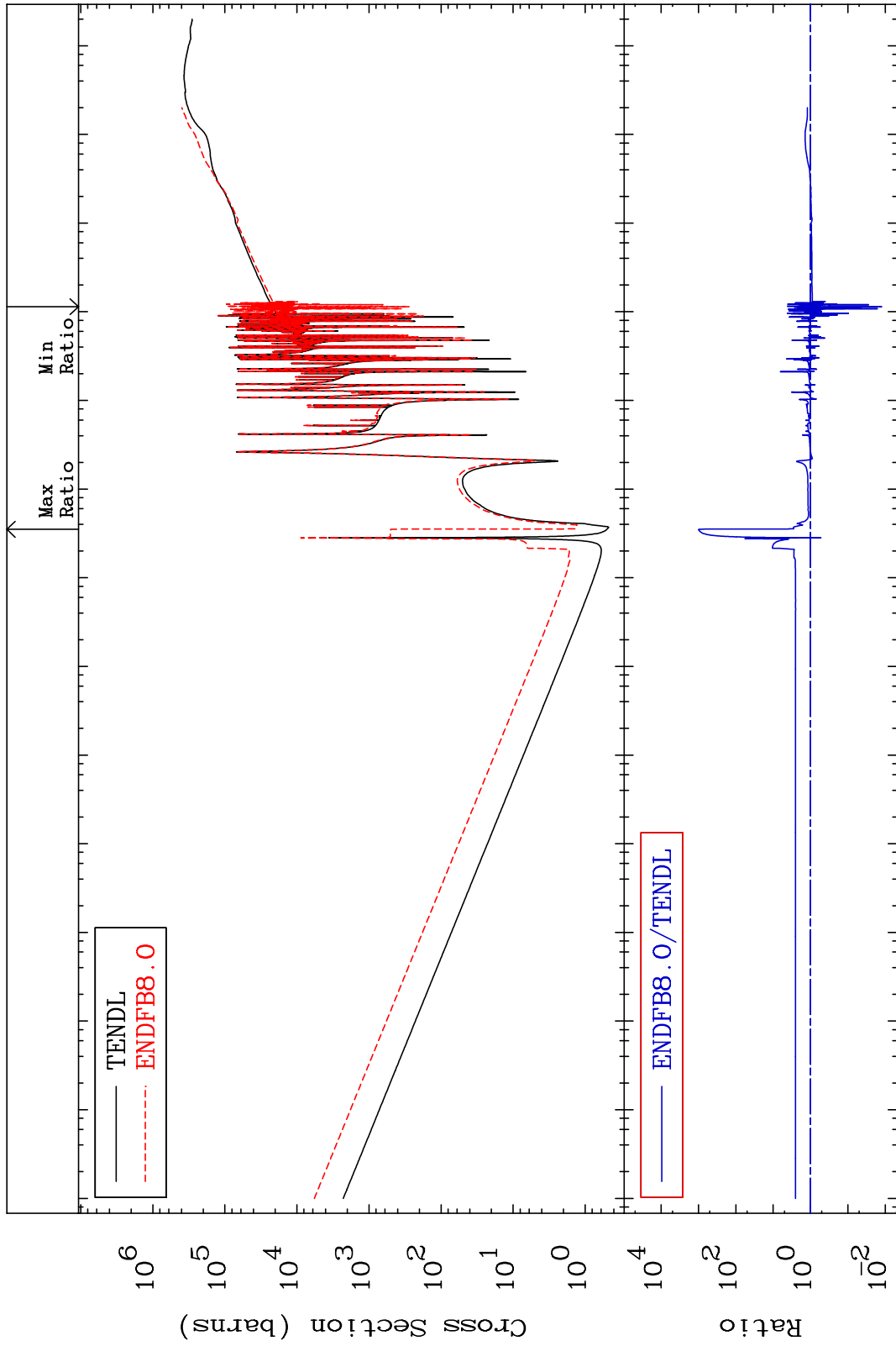
Incident Energy (eV)

30-Zn-64

MAT 3025

Dpa total (eV-barns)
Cross Section

30-Zn-64
-98.75 To 9999. %



65

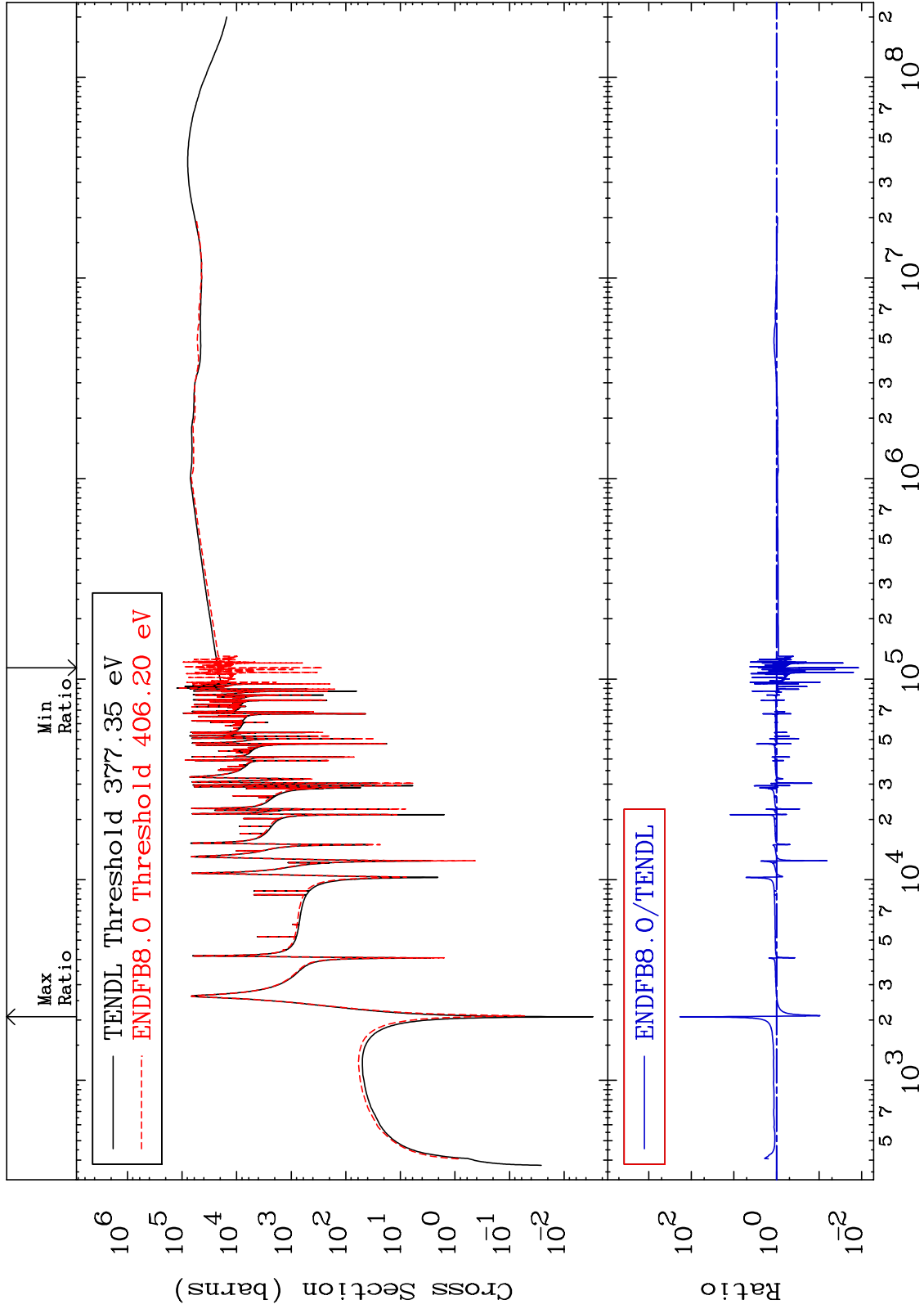
Incident Energy (eV)

30-Zn-64

MAT 3025

Dpa elastic (mt2)
Cross Section

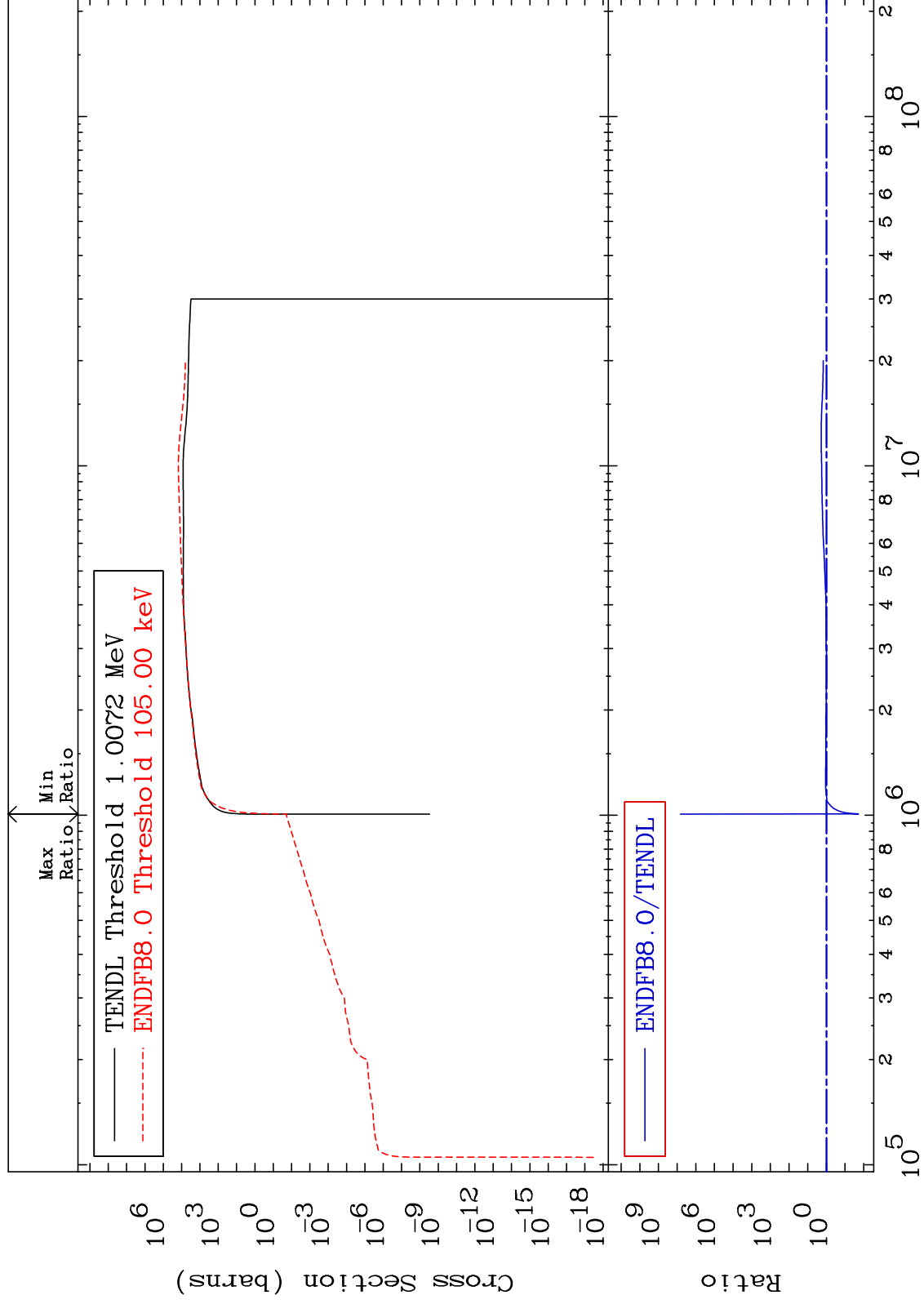
30-Zn-64
-98.80 To 9999. %



MAT 3025

Dpa inelastic (mt51-91)
Cross Section

30-Zn-64
-98.11 To 9999. %



67

Incident Energy (eV)

30-Zn-64

MAT 3025

Dpa disappearance (mt102 -120)
Cross Section

30-Zn-64
-57.13 To 9999. %

