

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

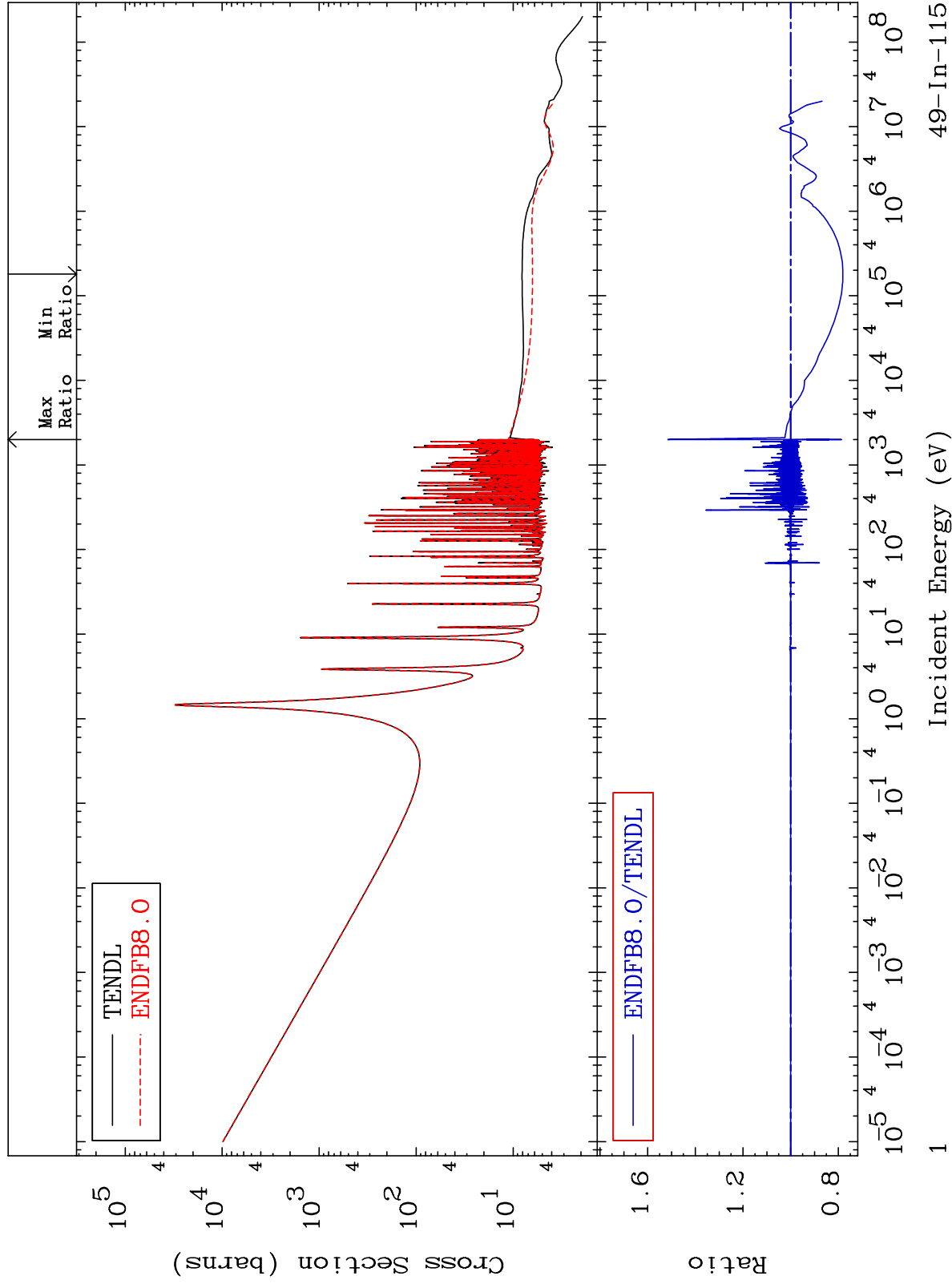
MAT 4931

Total

49-In-115

Cross Section

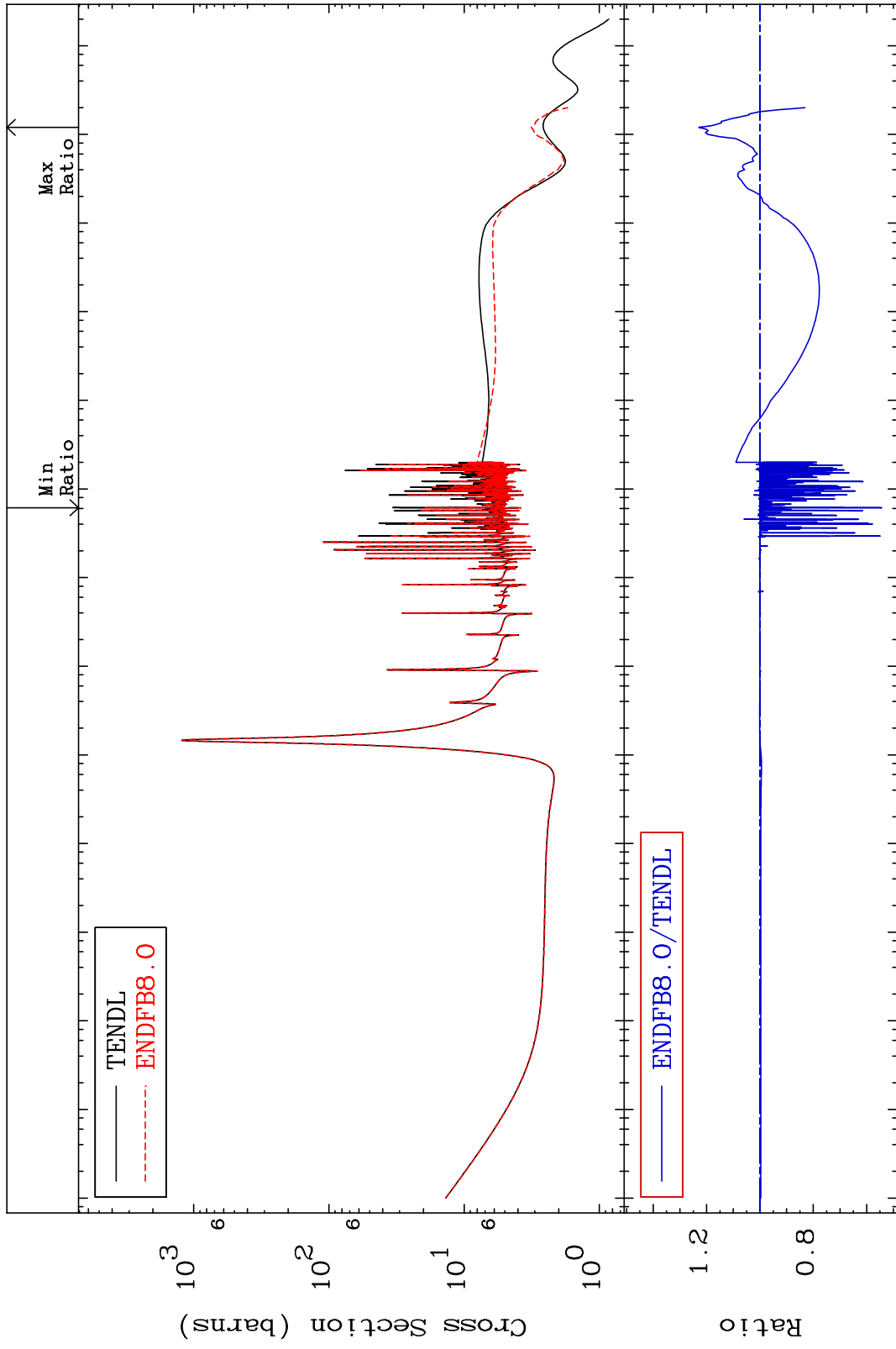
-21.90 To 51.47 %



MAT 4931

Elastic
Cross Section

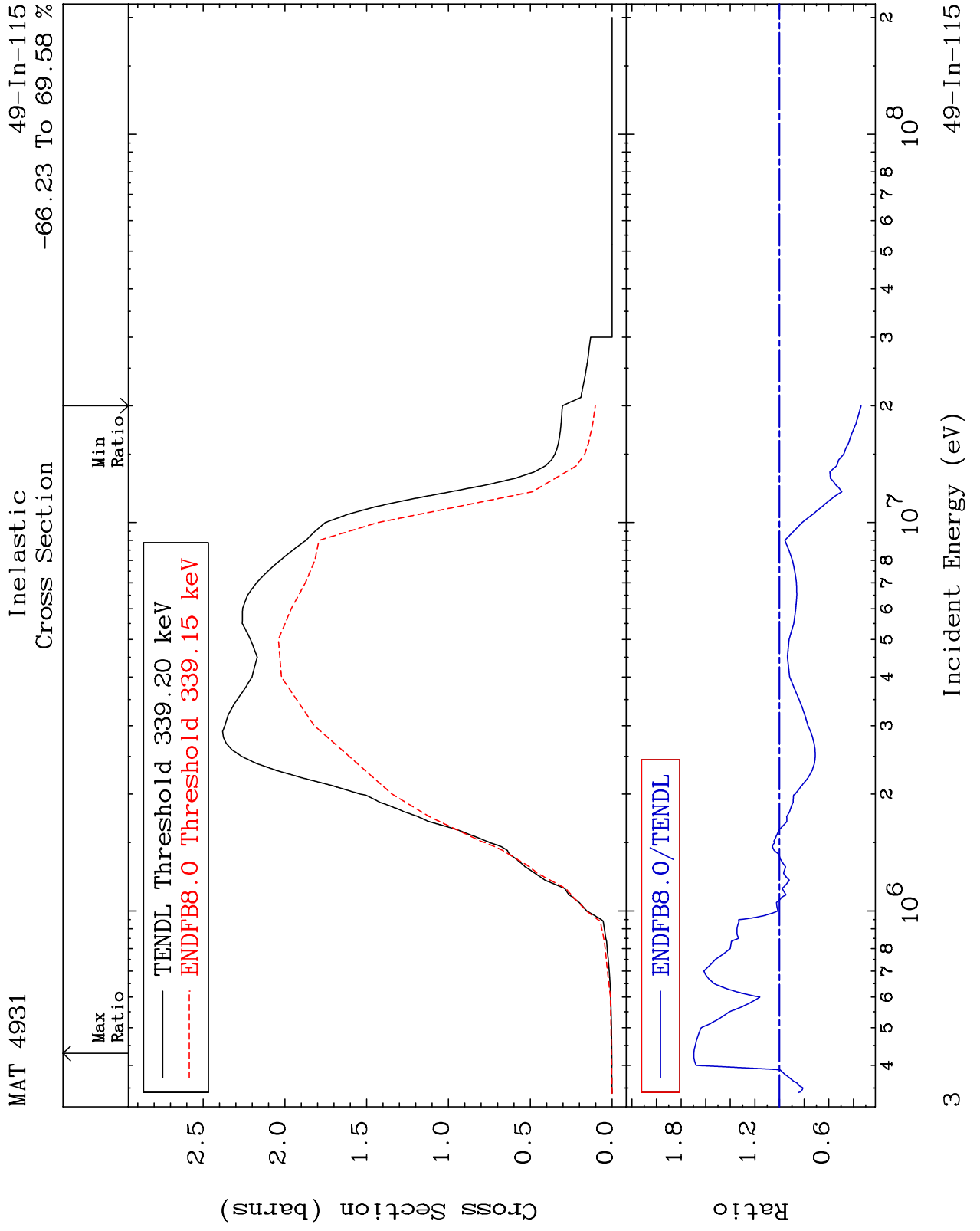
49-In-115
-45.59 To 23.09 %



2

Incident Energy (eV)

49-In-115



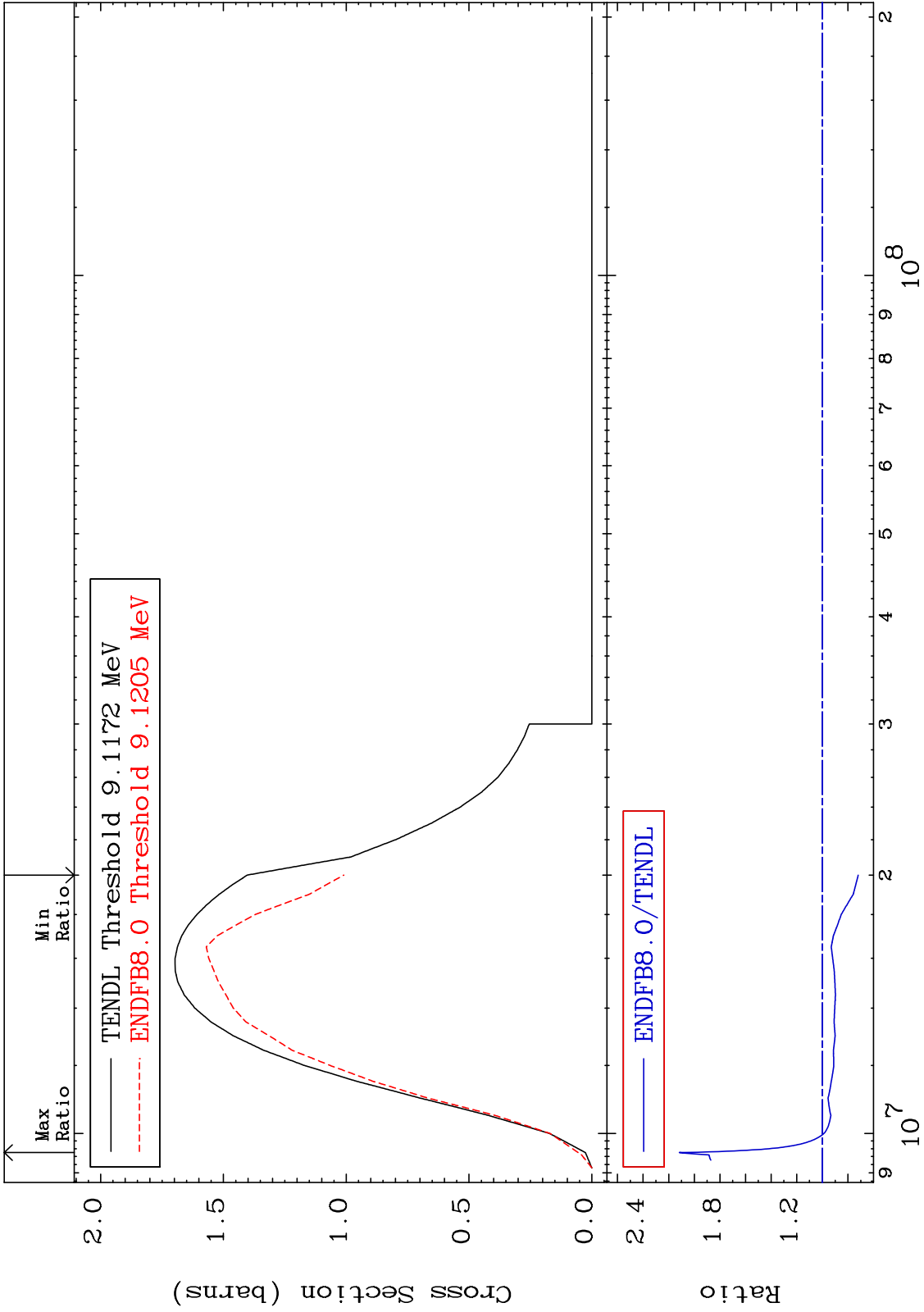
MAT 4931

(n,2n)

49-In-115

Cross Section

-28.05 To 111.7 %



4

Incident Energy (eV)

49-In-115

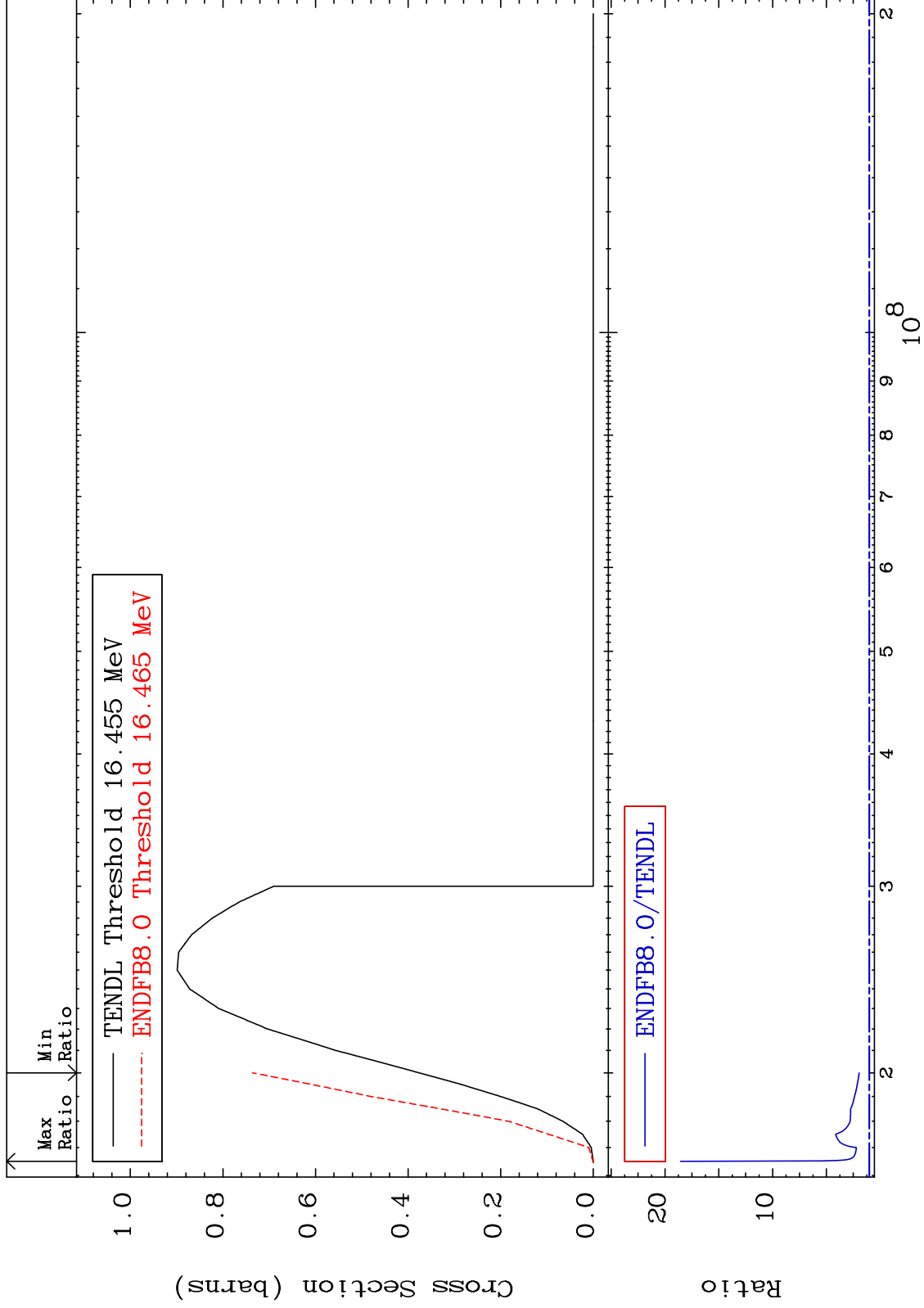
MAT 4931

(n,3n)

49-In-115

Cross Section

95.63 To 1755. %



Incident Energy (eV)

49-In-115

5

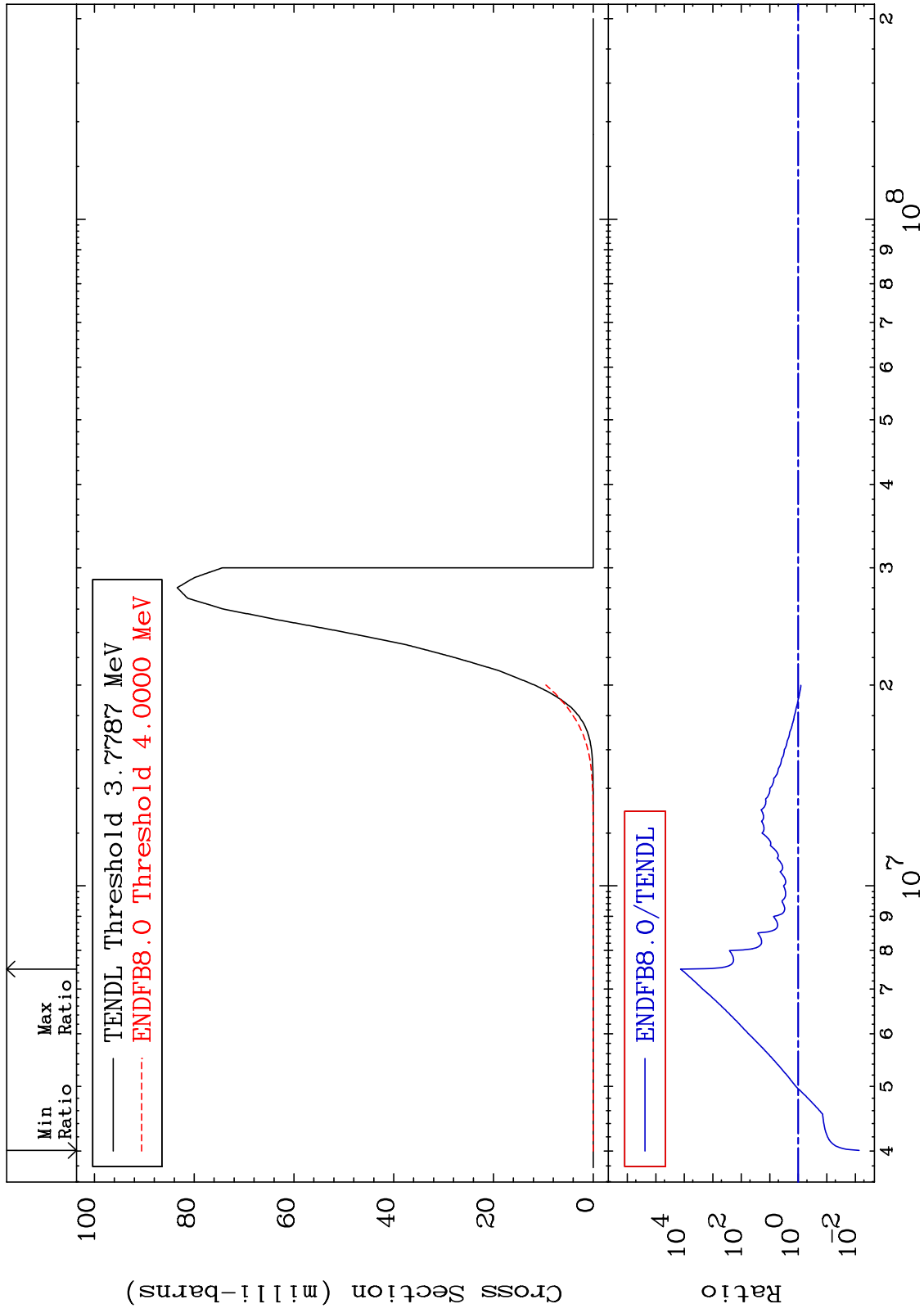
MAT 4931

(n,n') α

49-In-115

Cross Section

-99.27 To 9999. %



6

Incident Energy (eV)

49-In-115

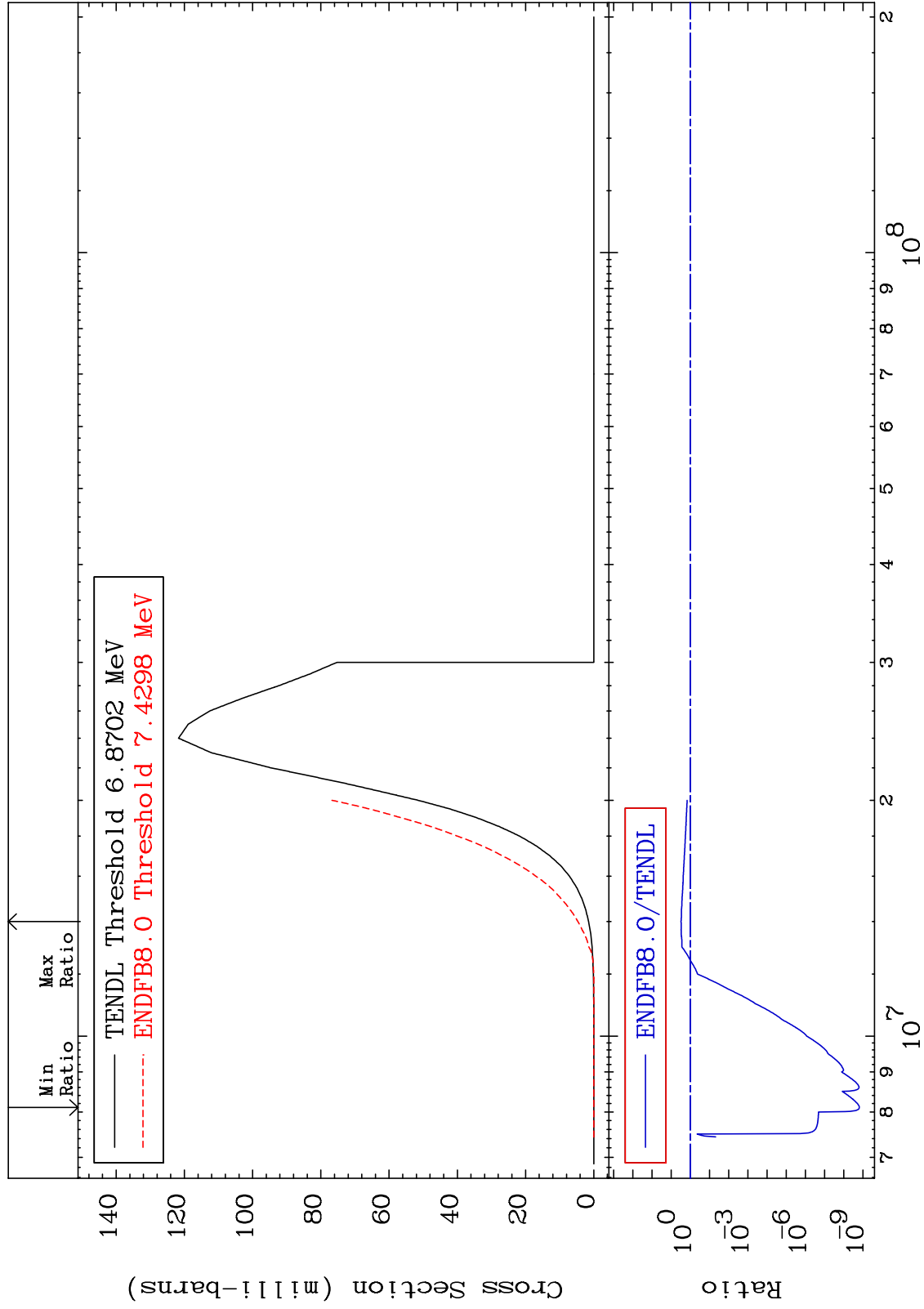
MAT 4931

(n,n') p

49-In-115

Cross Section

-100.0 To 207.3 %



7

Incident Energy (eV)

49-In-115

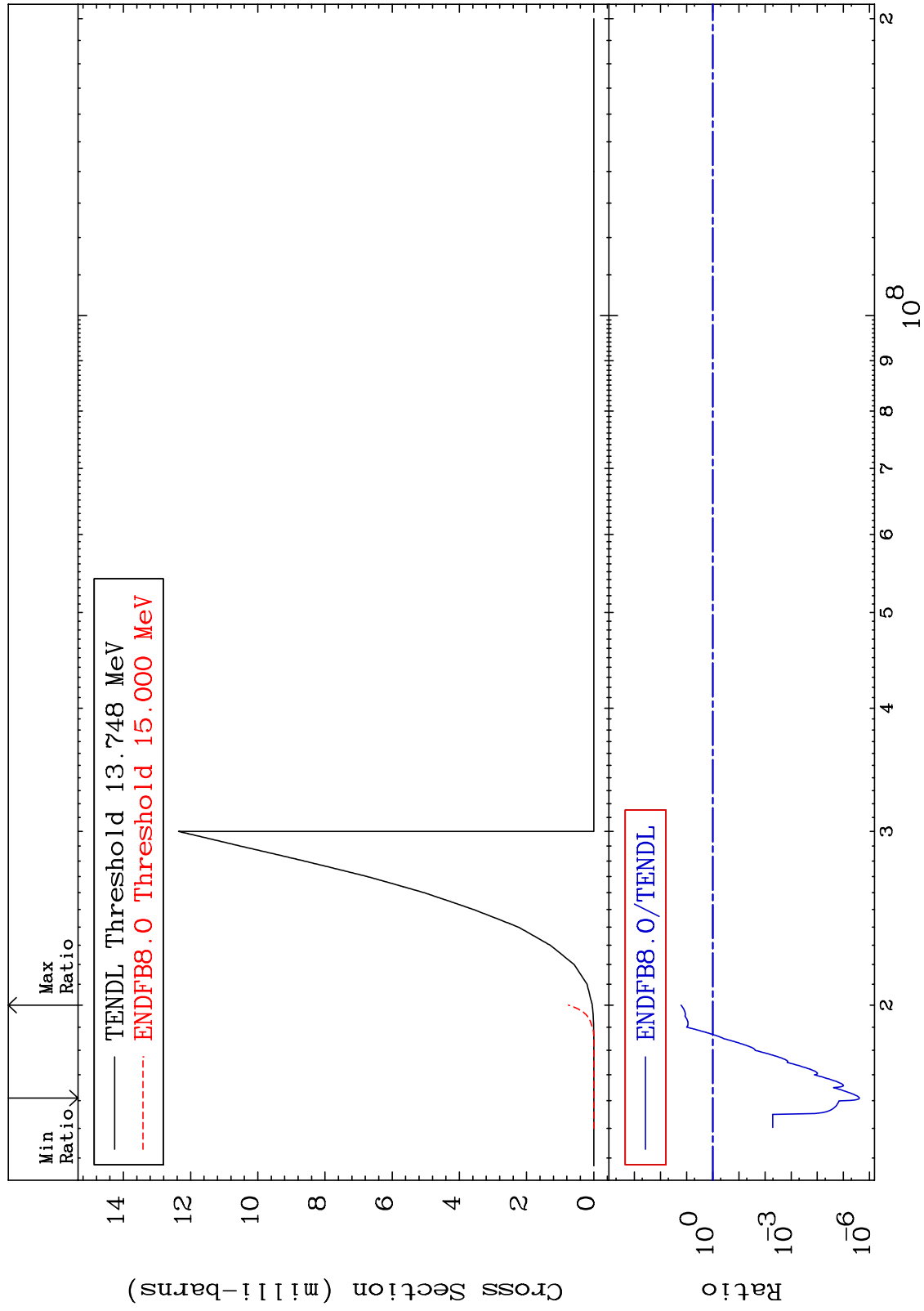
MAT 4931

(n,n') d

49-In-115

Cross Section

-100.0 To 1528. %



8

Incident Energy (eV)

49-In-115

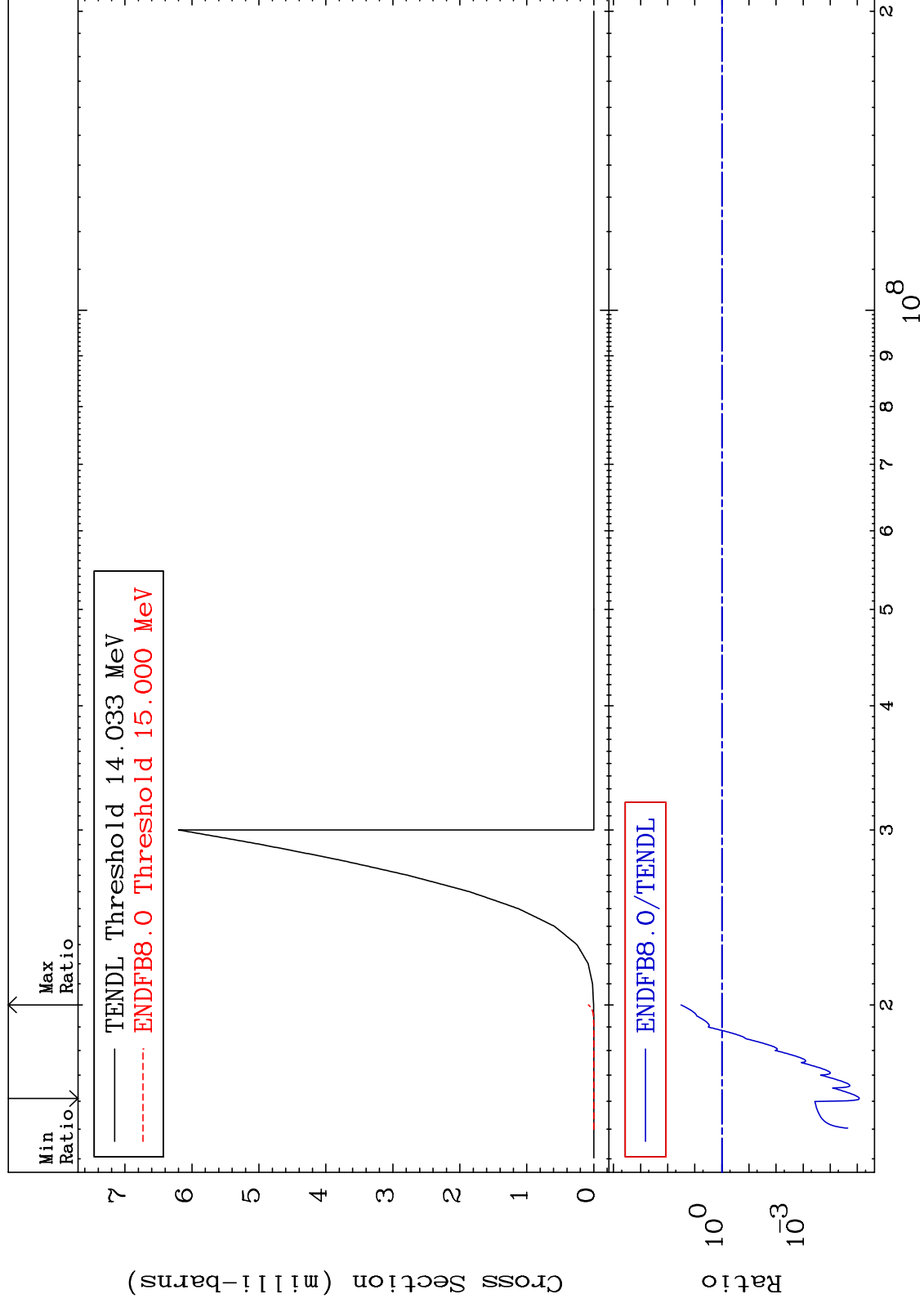
MAT 4931

(n,n') t

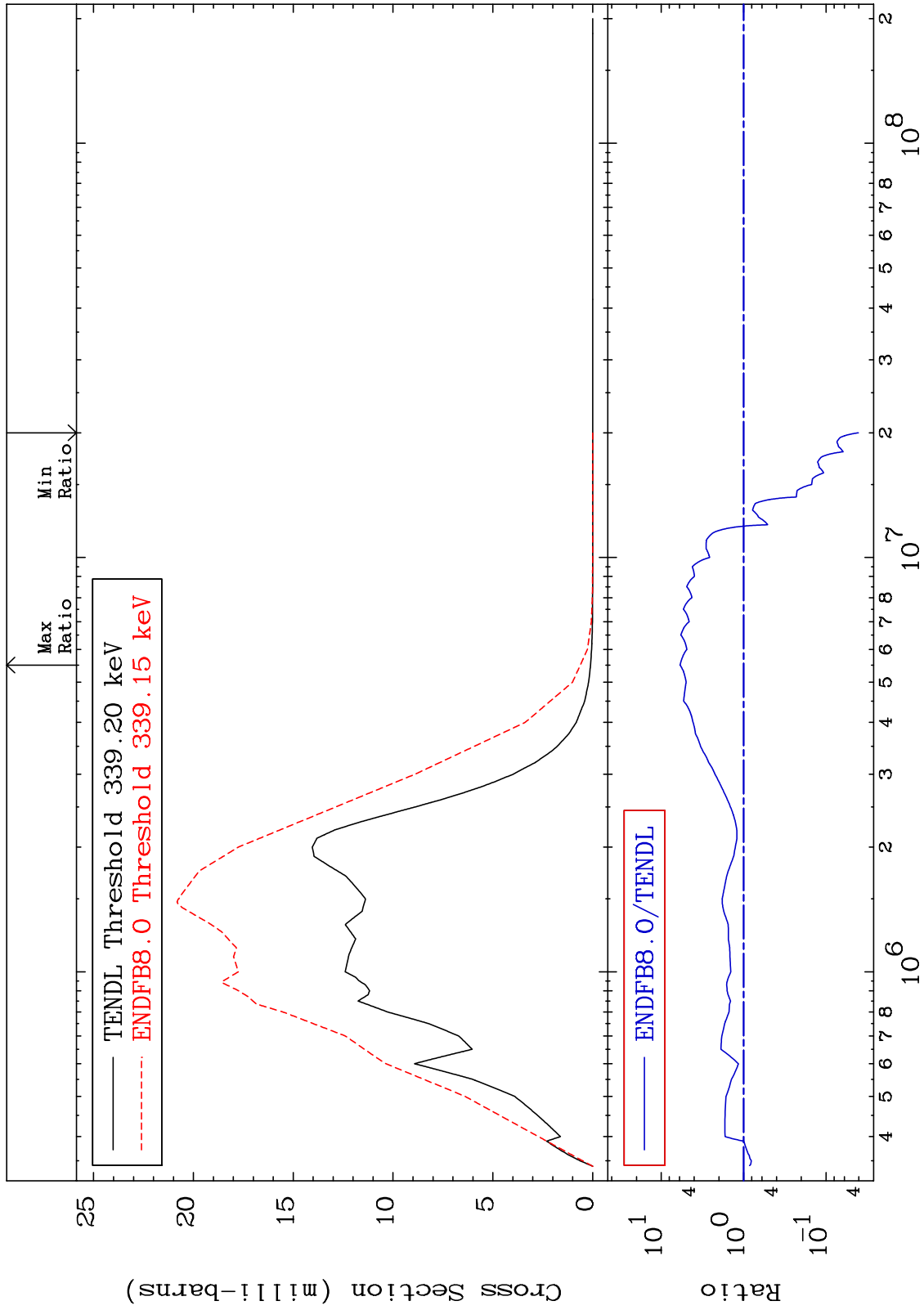
49-In-115

Cross Section

-100.0 To 3112. %



MAT 4931 MT= 51 (n,n') Level Cross Section 49-In-115
 -95.95 To 492.6 %

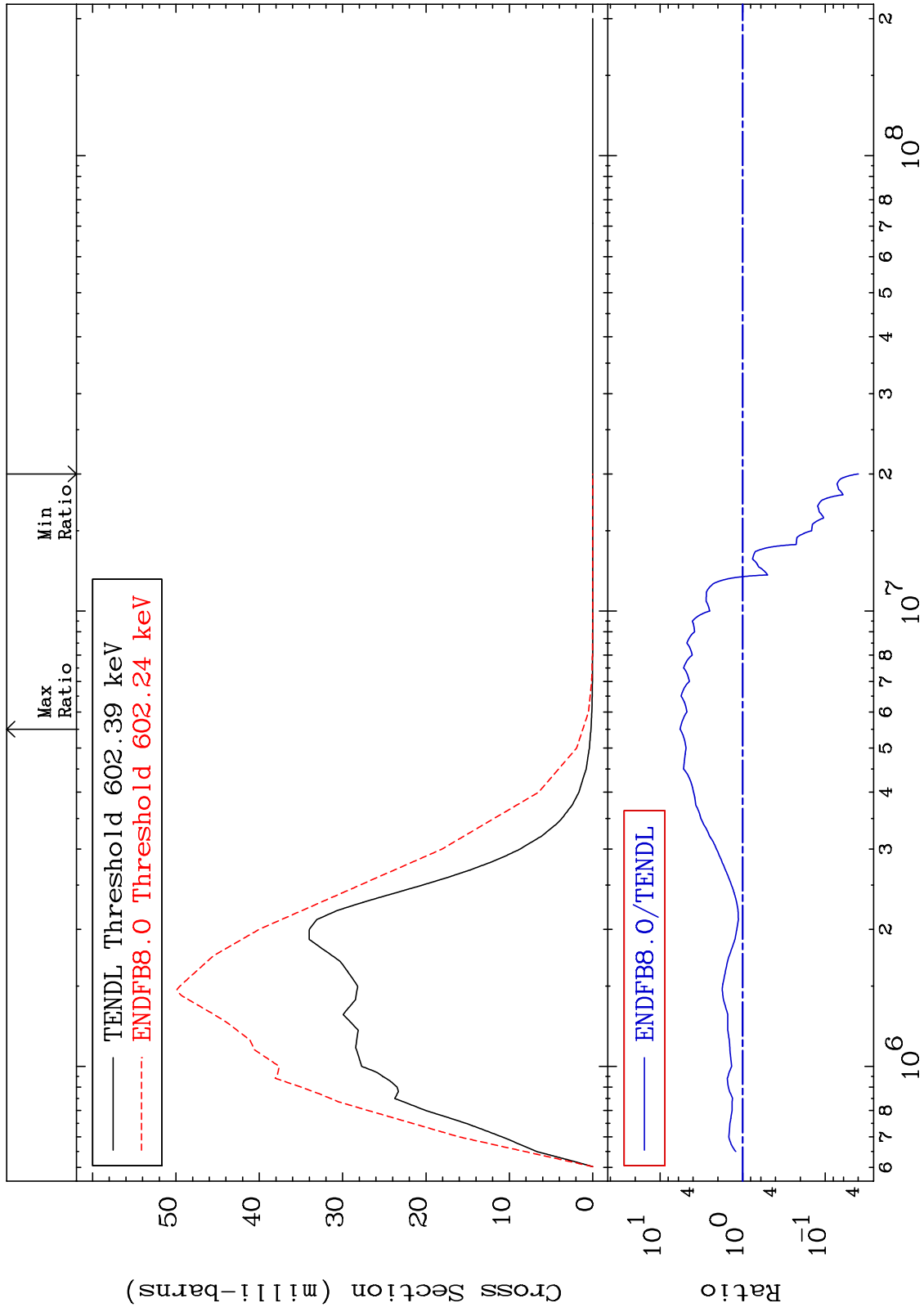


10 Incident Energy (eV) 49-In-115

MAT 4931

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

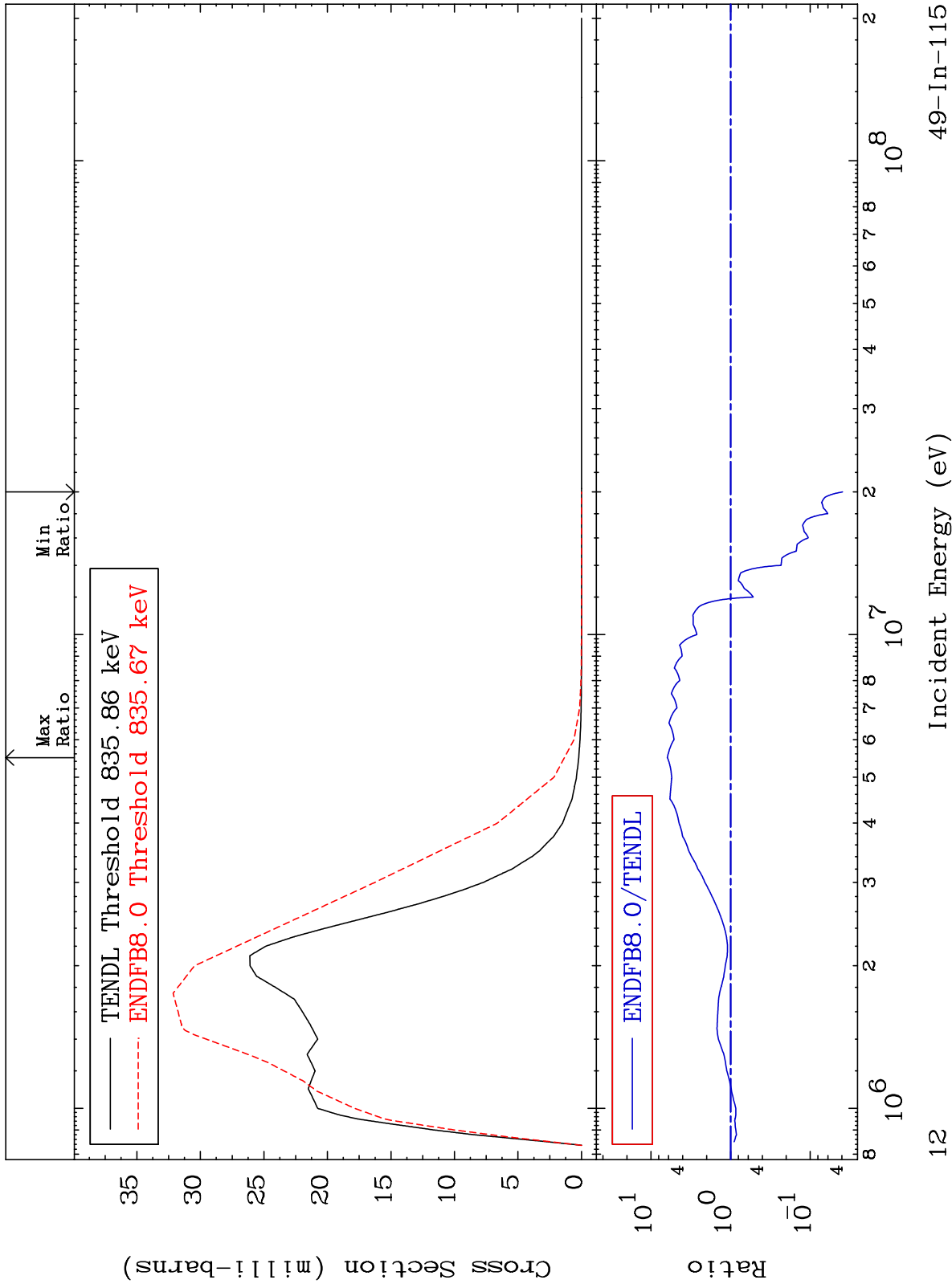
49-In-115
-96.04 To 473.8 %



MAT 4931

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

49-In-115
-96.07 To 523.3 %



12

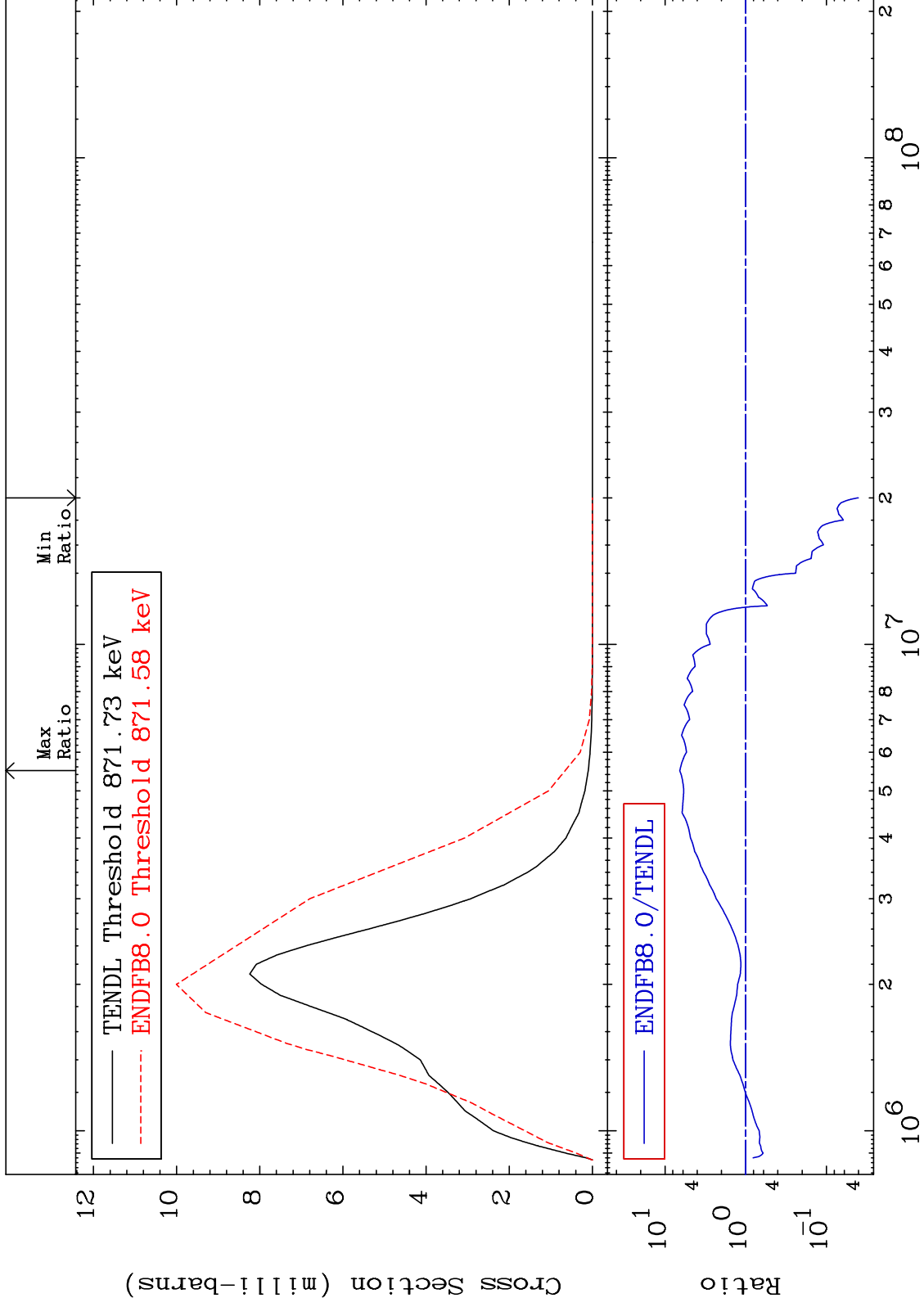
Incident Energy (eV)

49-In-115

MAT 4931

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

49-In-115
-95.98 To 555.5 %



13

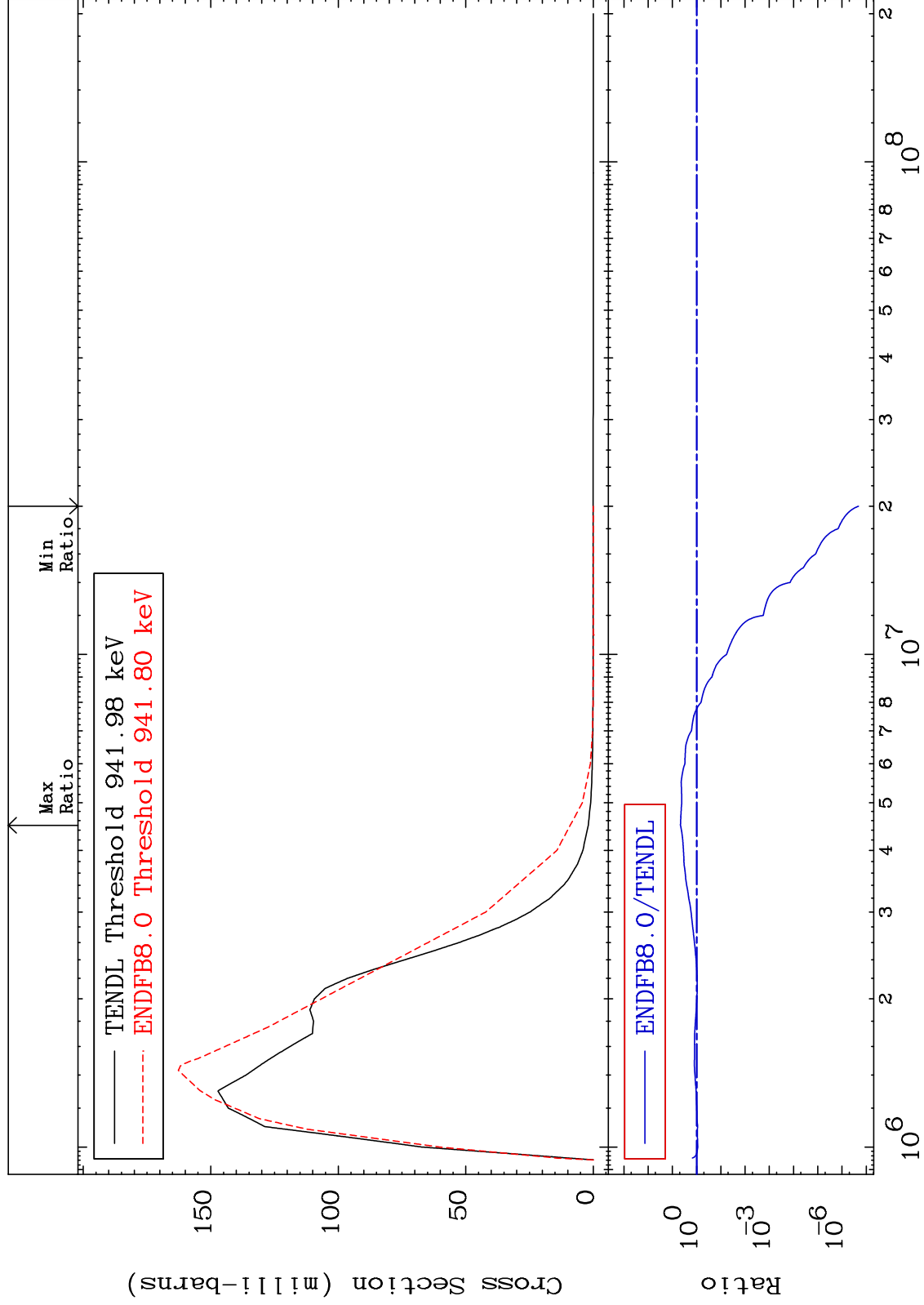
Incident Energy (eV)

49-In-115

MAT 4931

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

49-In-115
-100.0 To 364.1 %



14

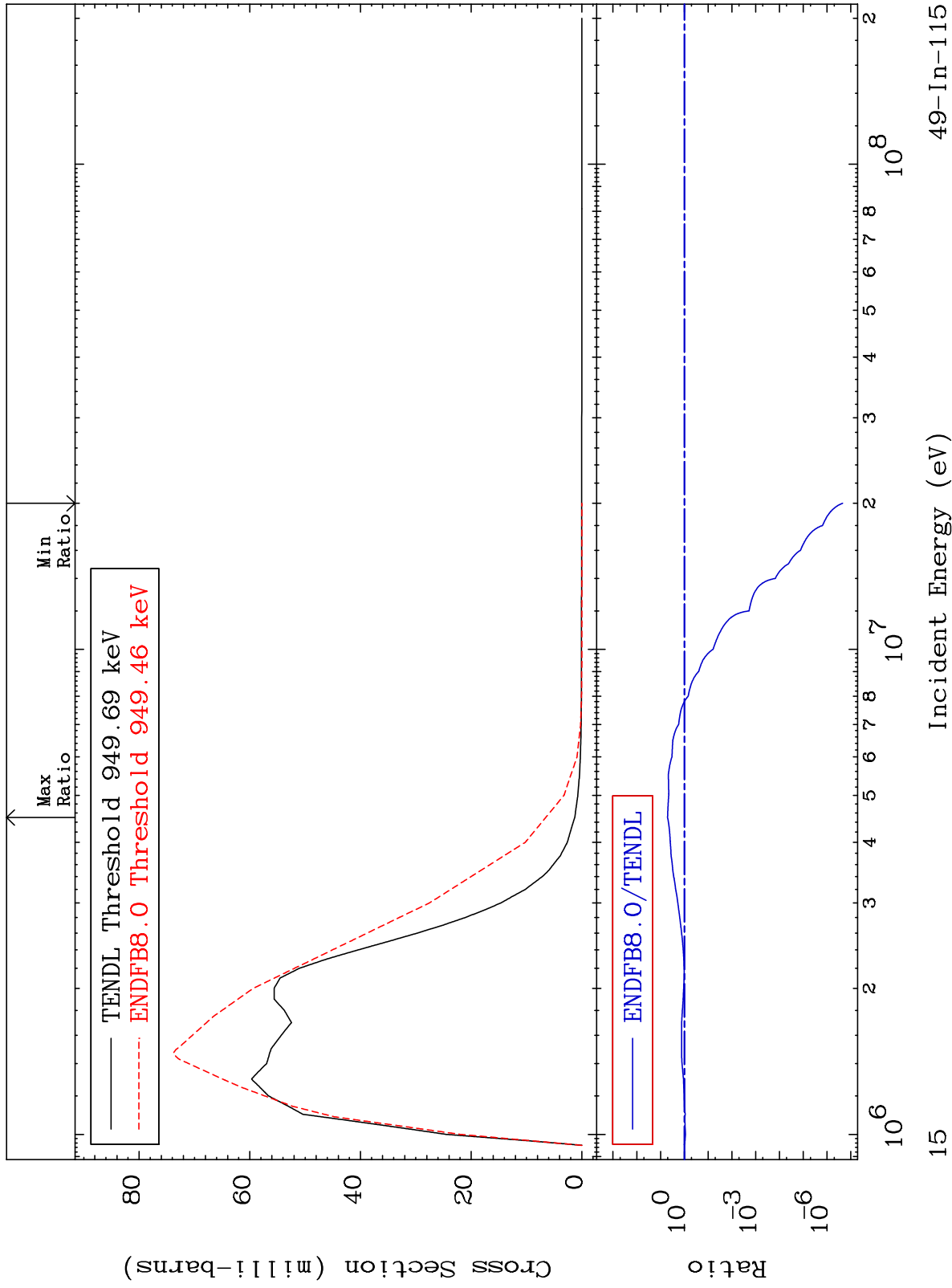
Incident Energy (eV)

49-In-115

MAT 4931

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

49-In-115
-100.0 To 407.7 %



49-In-115

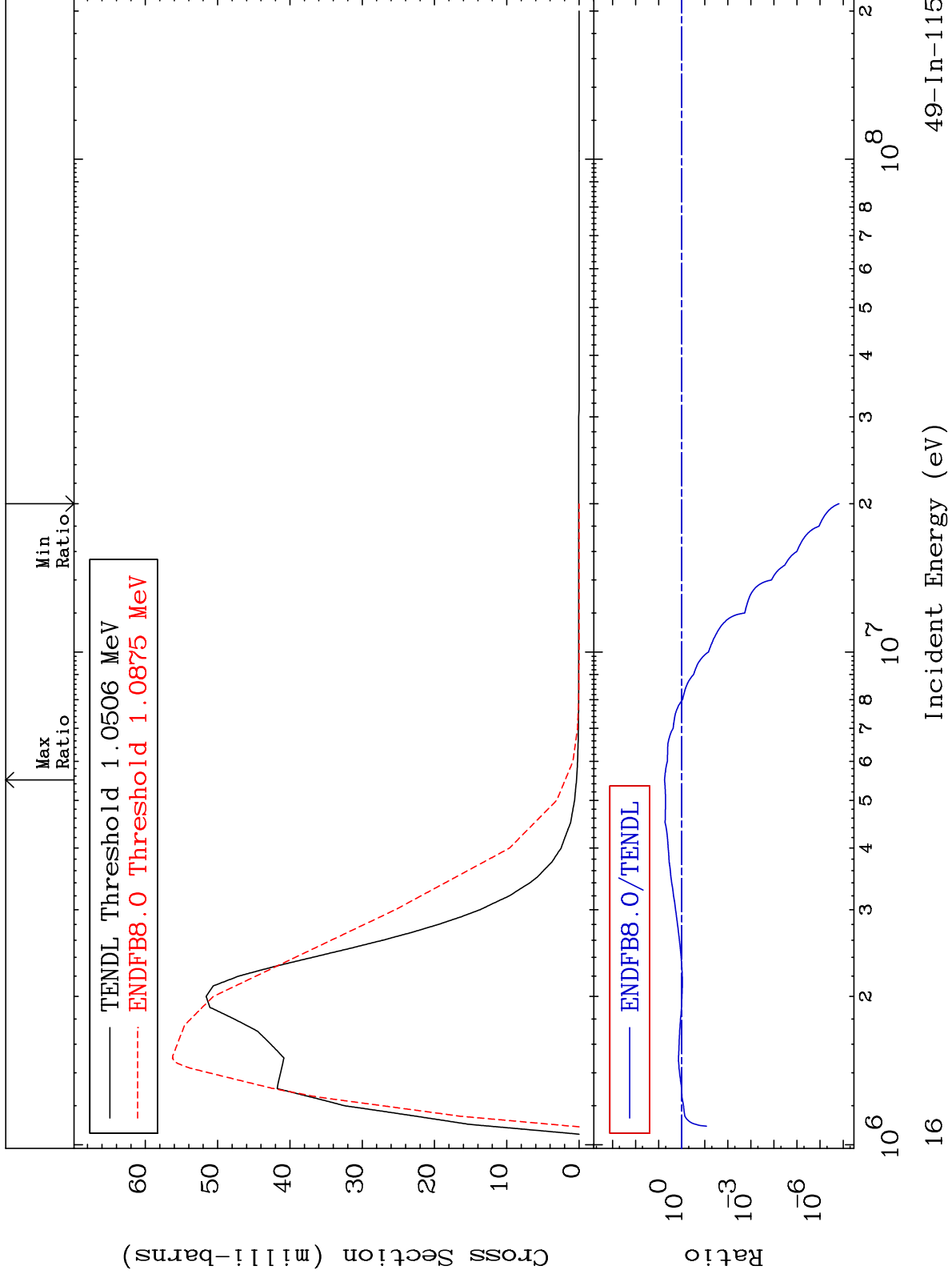
Incident Energy (eV)

15

MAT 4931

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

49-In-115
-100.0 To 458.6 %



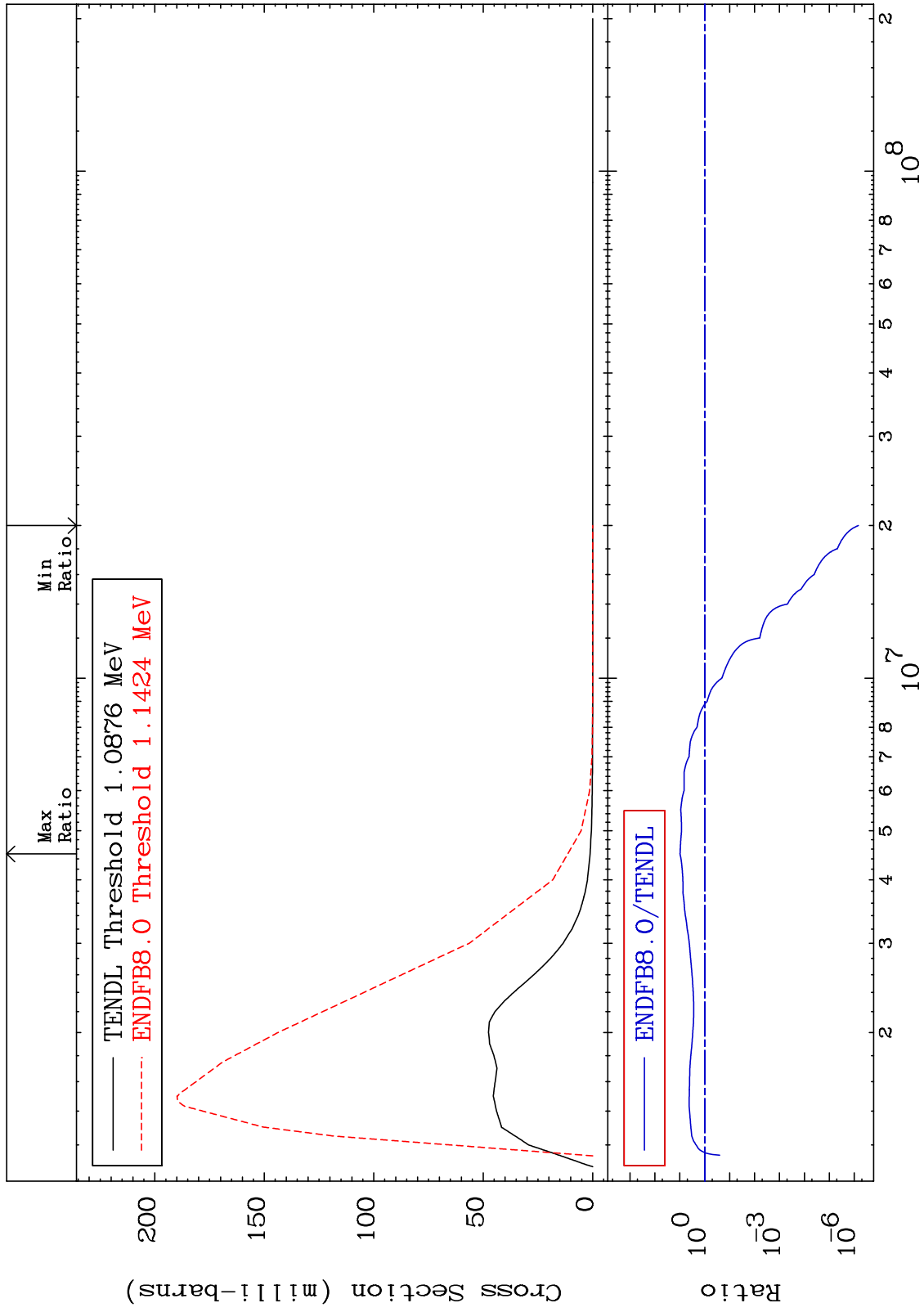
49-In-115
Incident Energy (eV)

16

MAT 4931

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

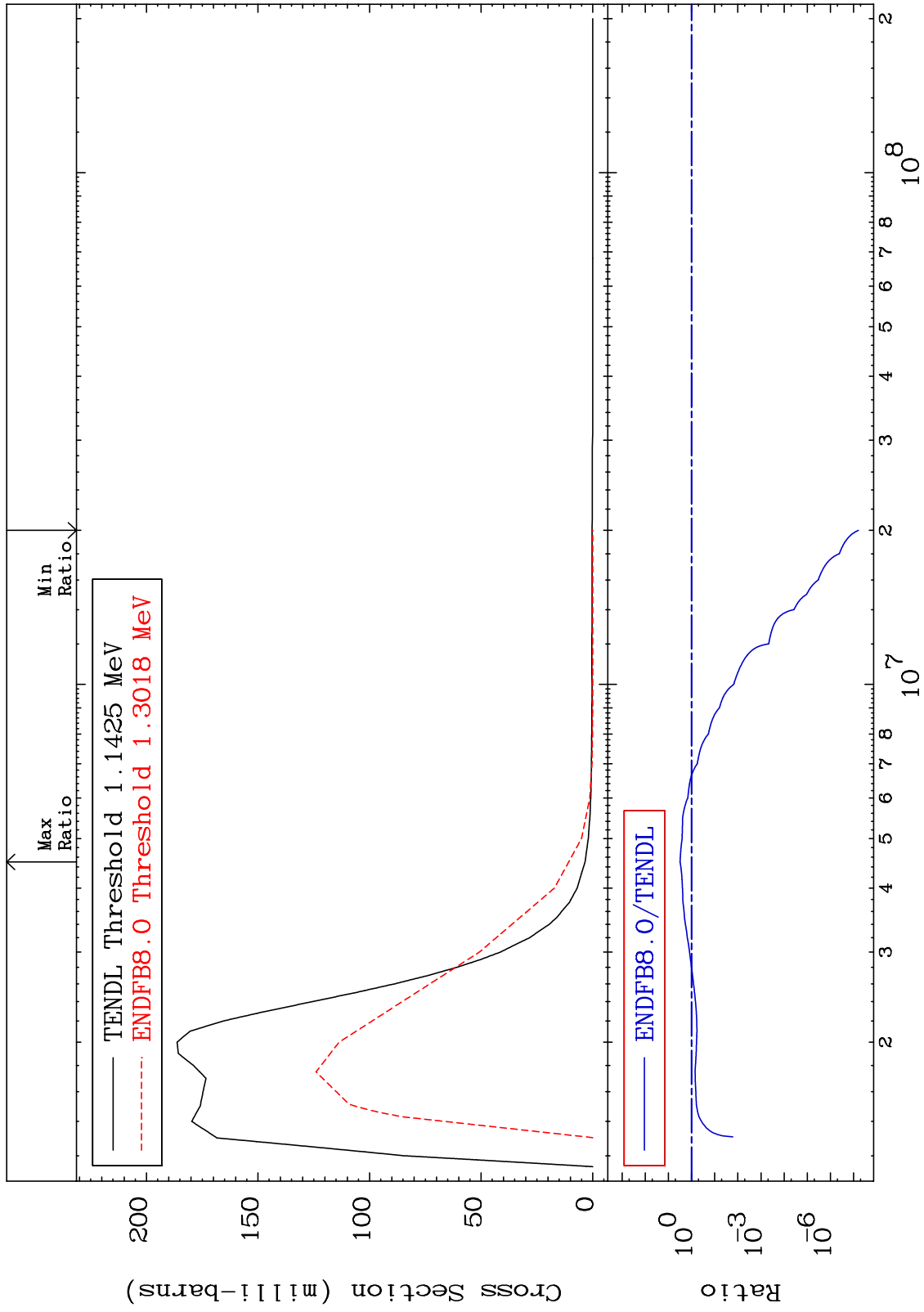
49-In-115
-100.0 To 879.8 %



MAT 4931

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

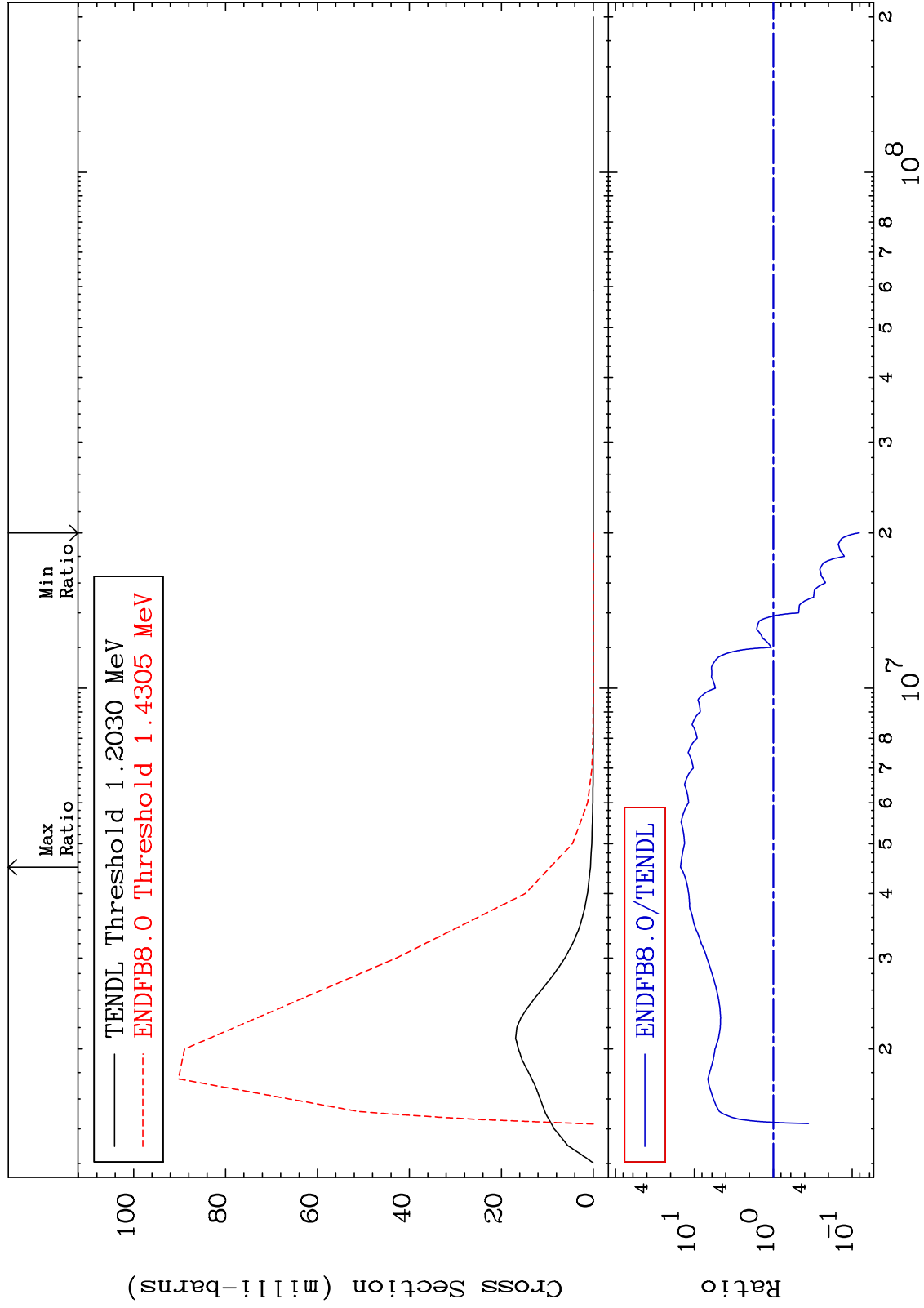
49-In-115
-100.0 To 215.3 %



MAT 4931

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

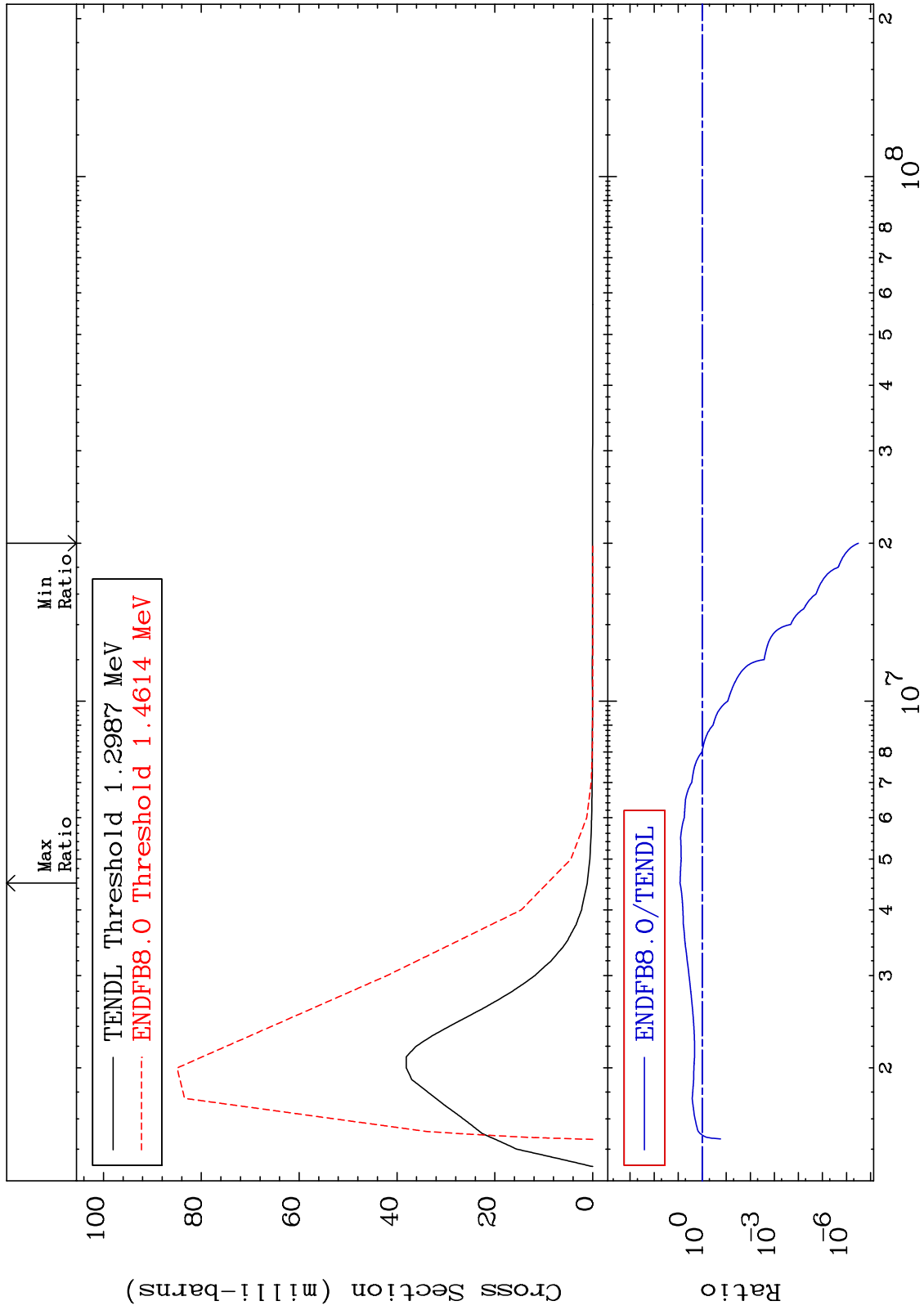
49-In-115
-91.70 To 1400. %



MAT 4931

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

49-In-115
-100.0 To 738.8 %



20

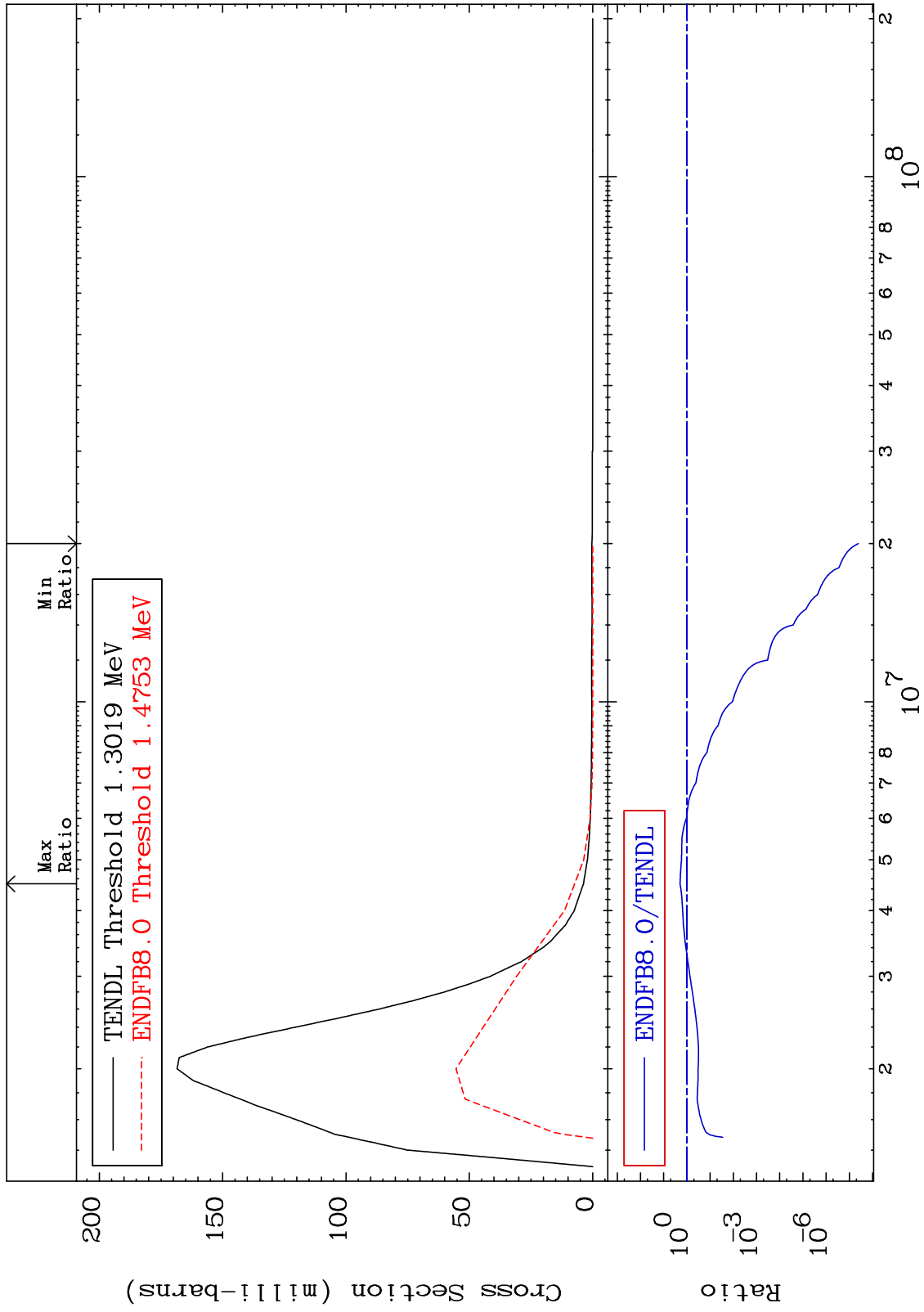
Incident Energy (eV)

49-In-115

MAT 4931

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

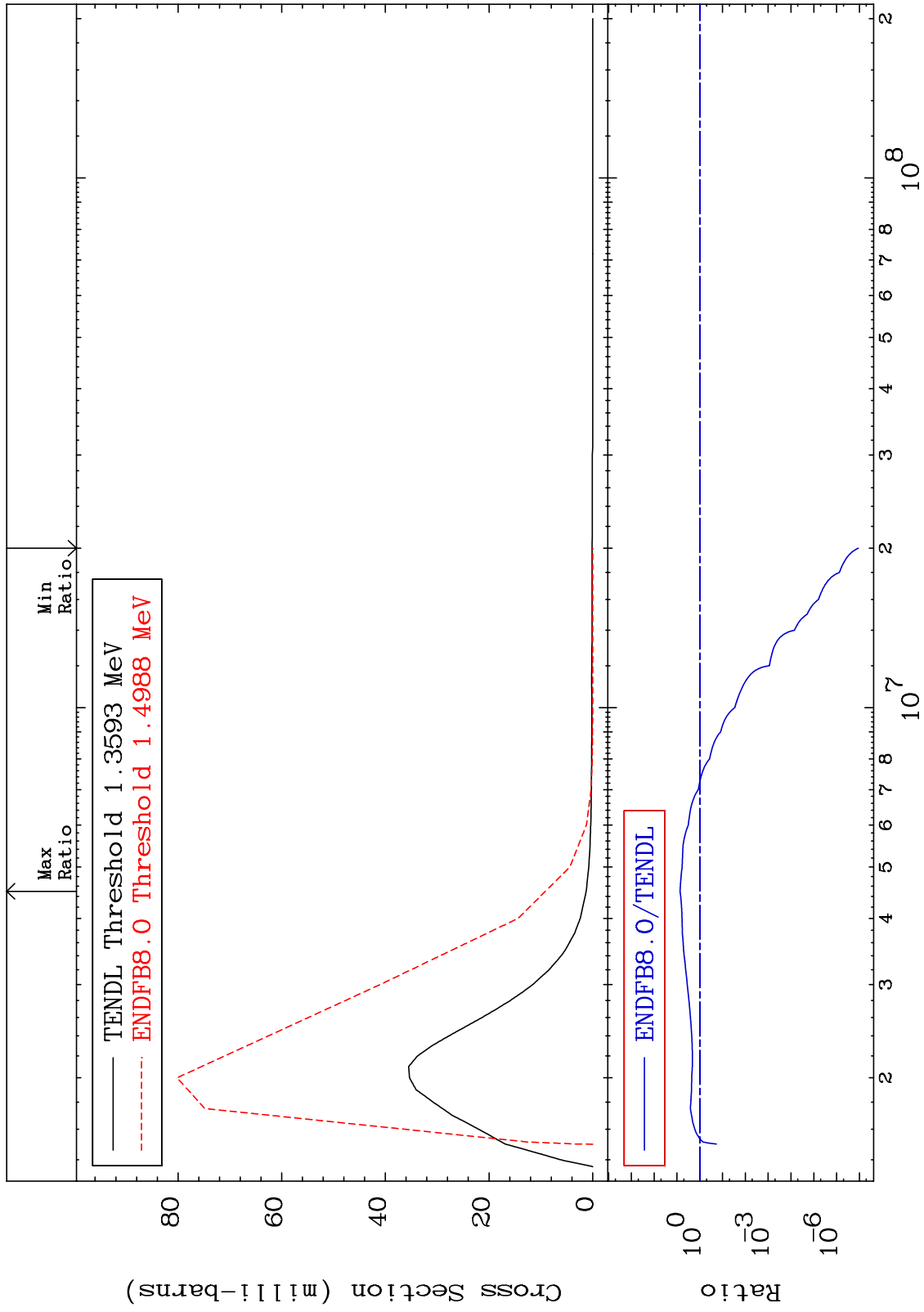
49-In-115
-100.0 To 97.40 %



MAT 4931

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

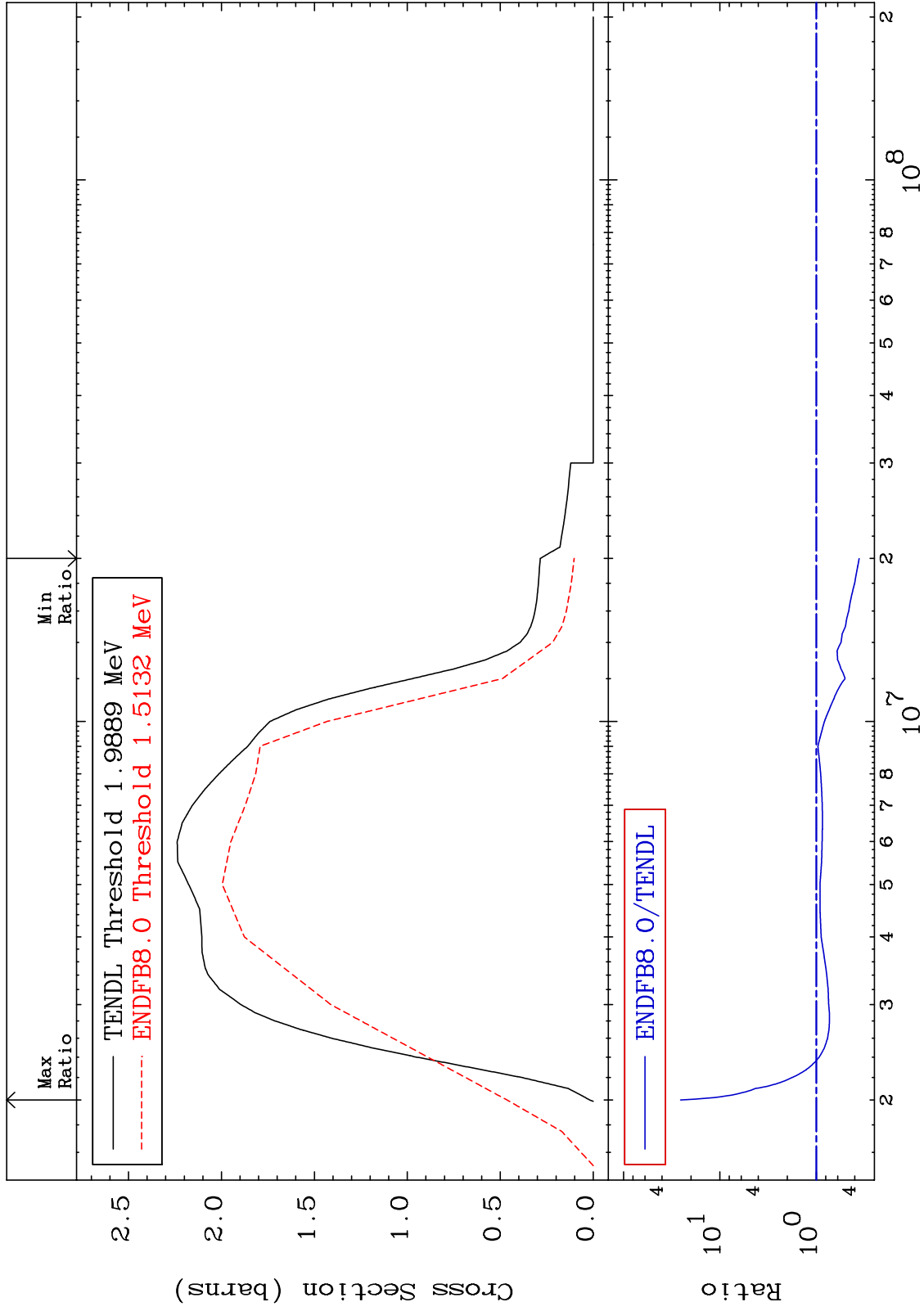
49-In-115
-100.0 To 634.5 %



MAT 4931

(n, n') Continuum
Cross Section

49-In-115
-64.06 To 2458. %



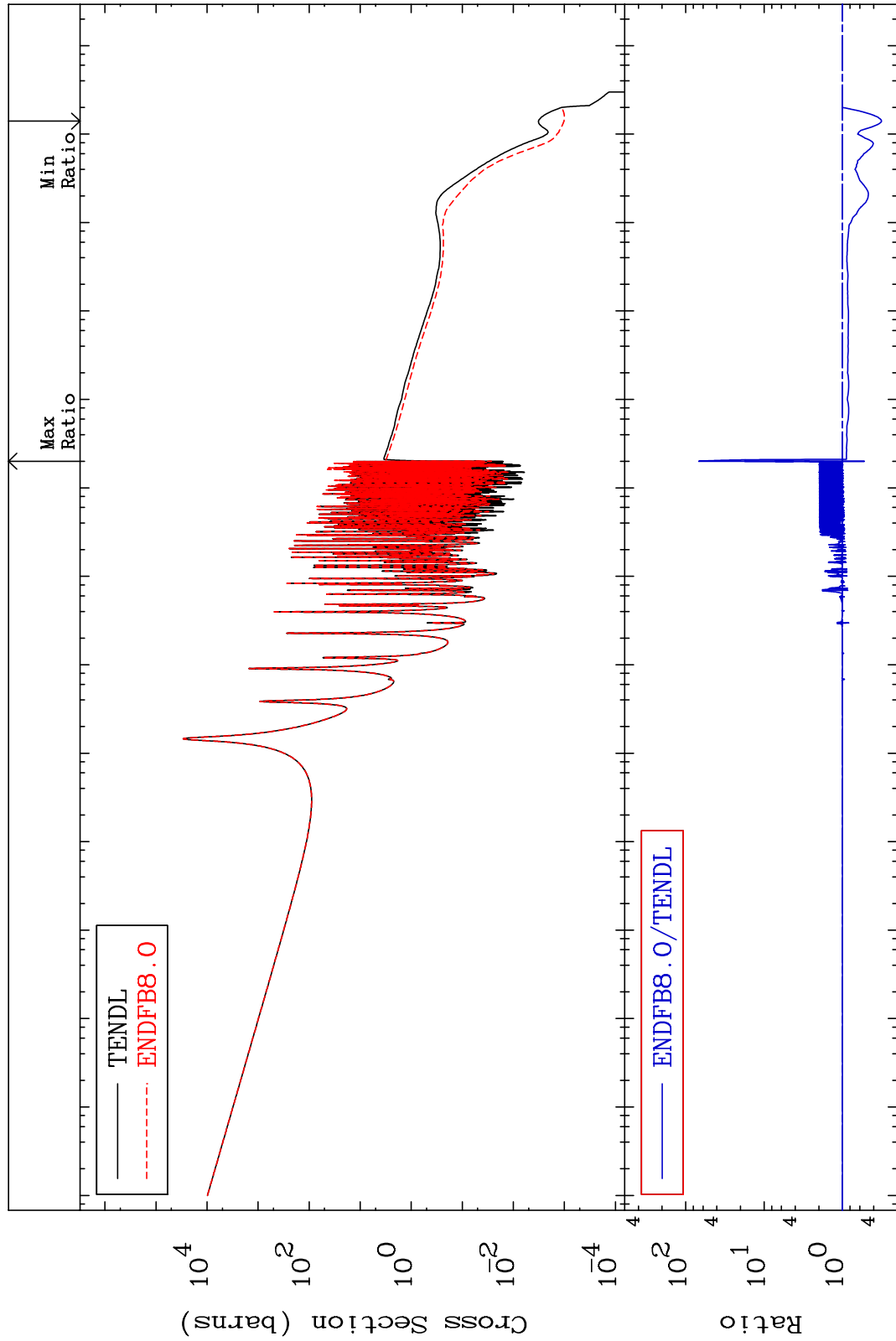
MAT 4931

49-In-115

(n, γ)

Cross Section

-68.33 To 6716. %



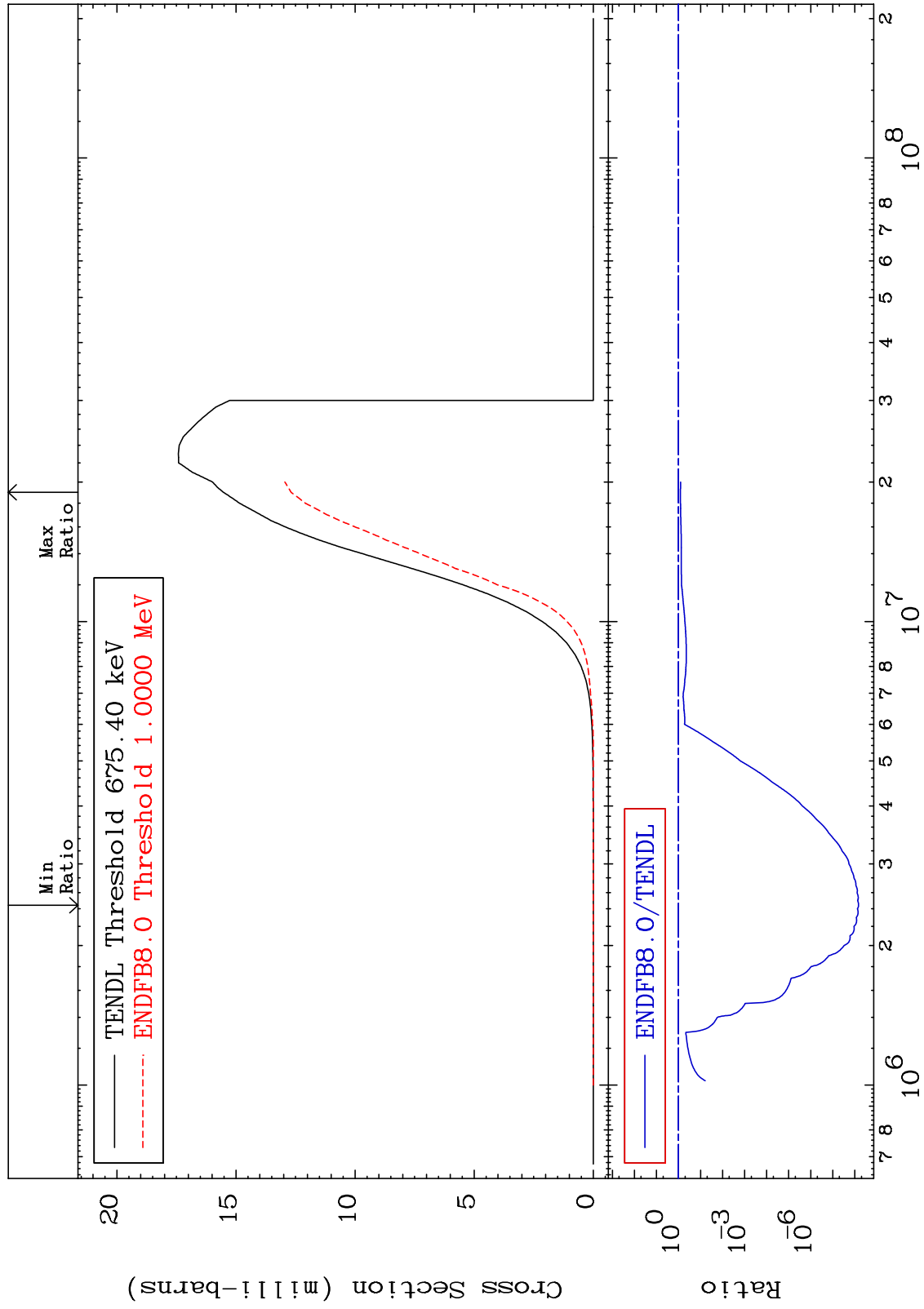
Incident Energy (eV)

49-In-115

MAT 4931

(n, p)
Cross Section

49-In-115
-100.0 To -18.31%



25

Incident Energy (eV)

49-In-115

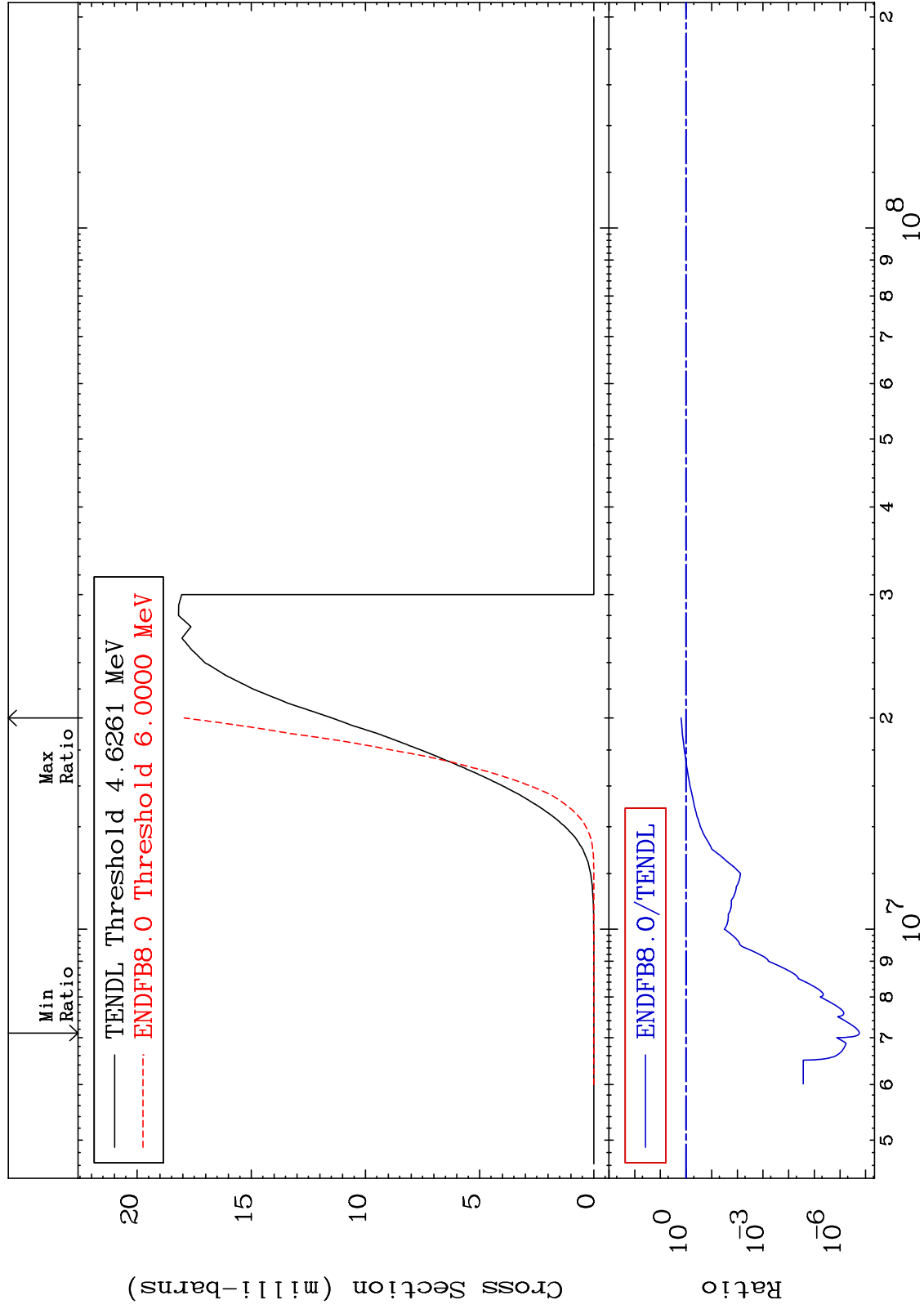
MAT 4931

(n, d)

49-In-115

Cross Section

-100.0 To 56.49 %



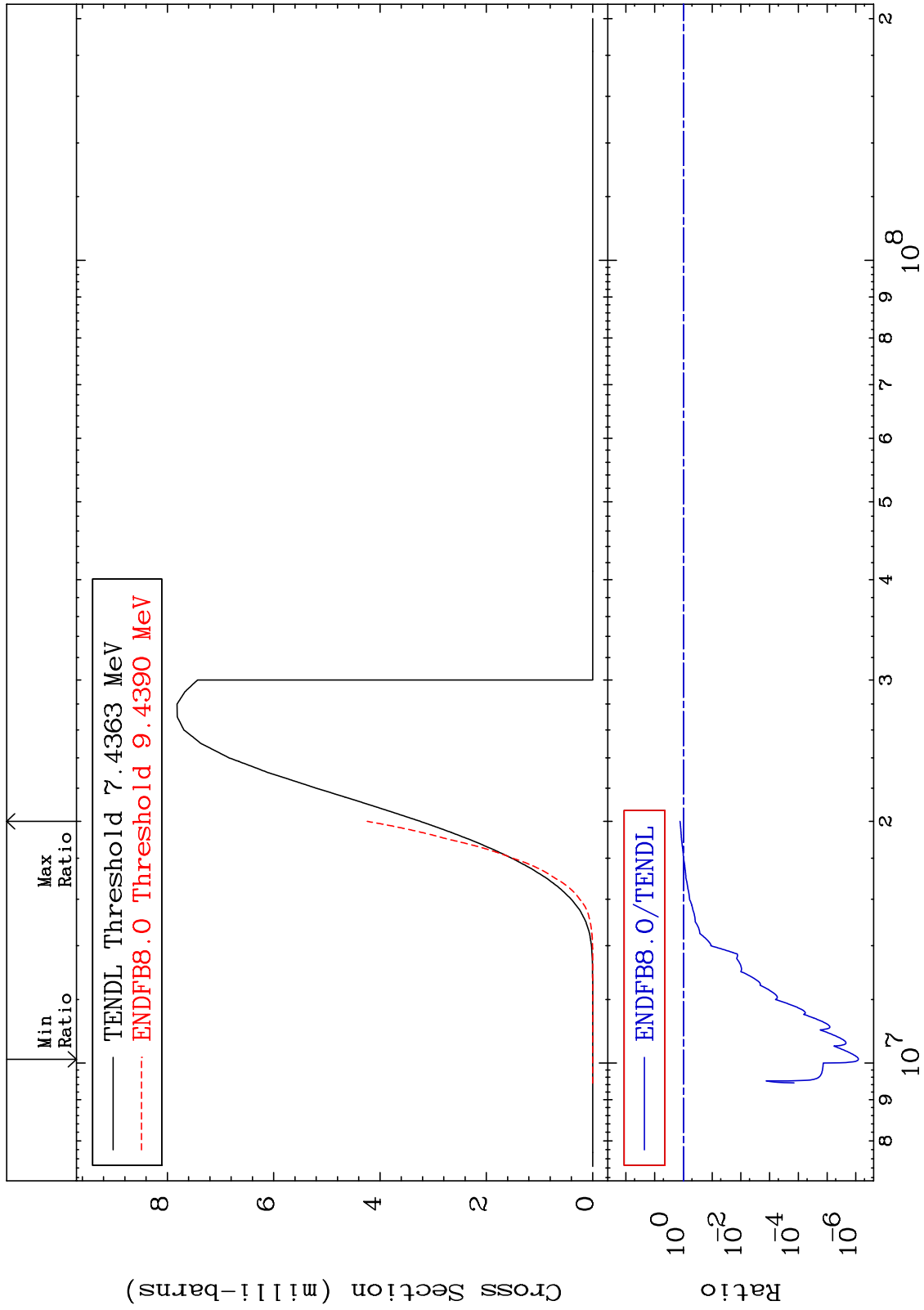
MAT 4931

(n, t)

49-In-115

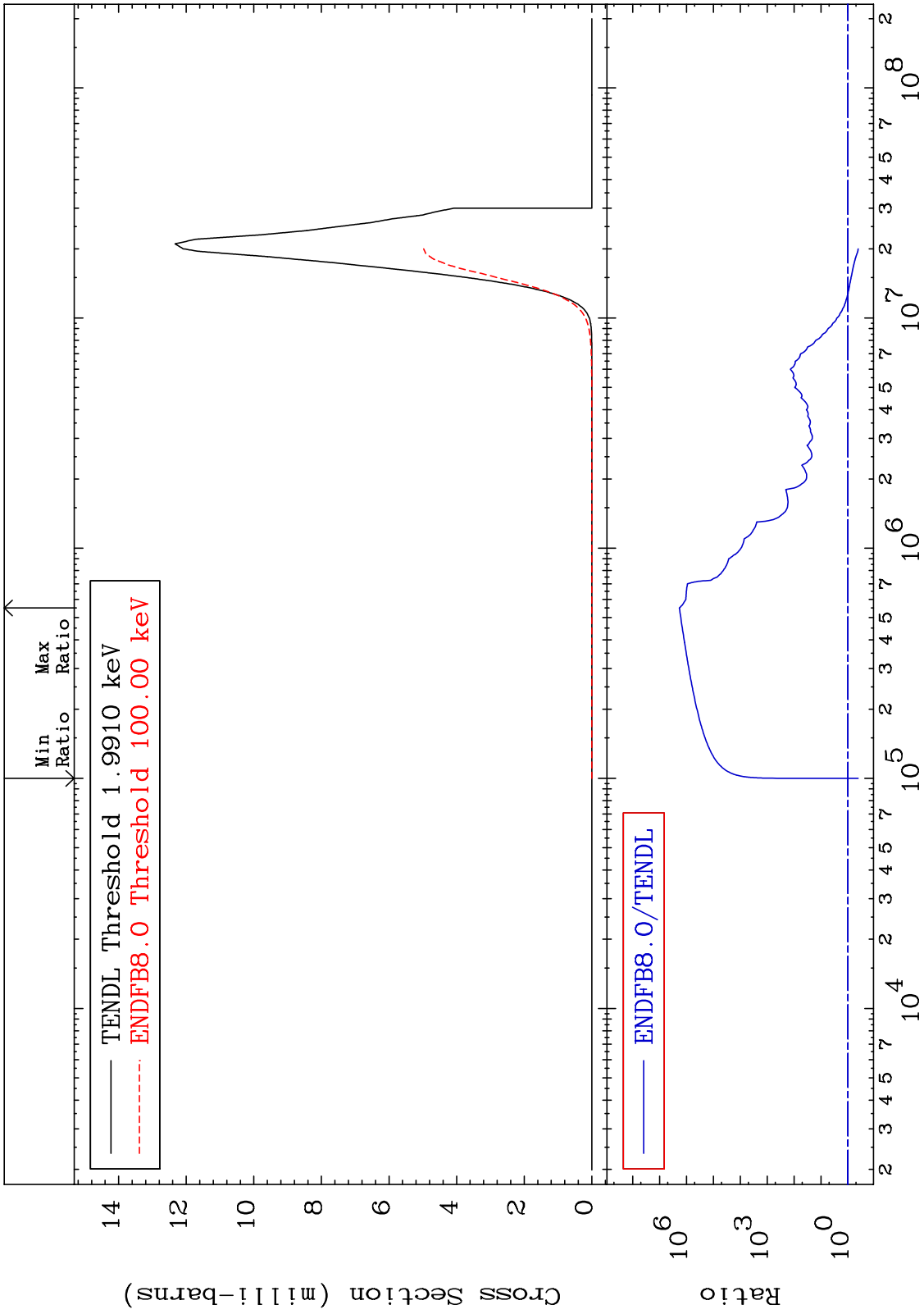
Cross Section

-100.0 To 30.86 %



MAT 4931

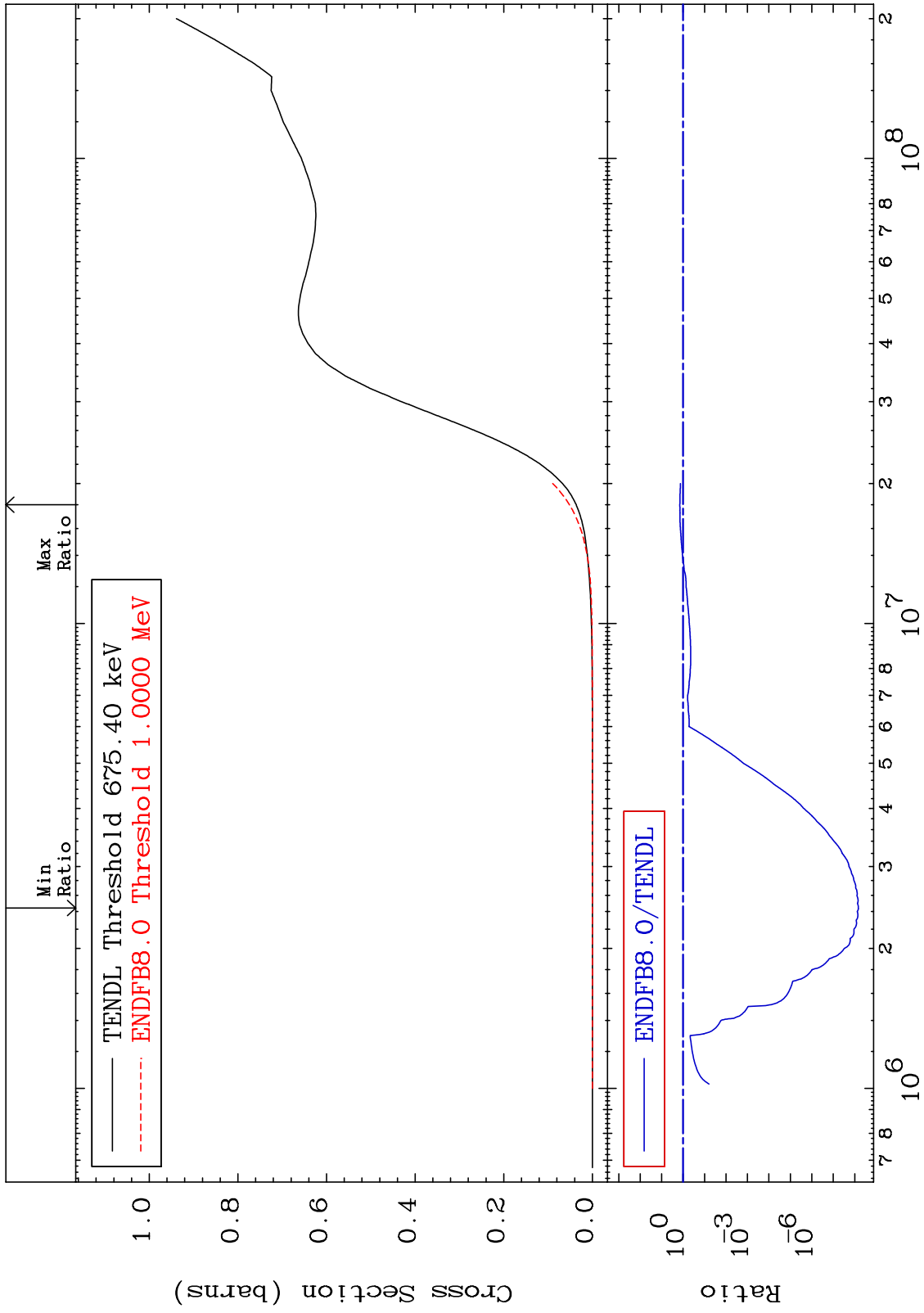
(n, α)
Cross Section
49-In-115
-59.00 To 9999. %



MAT 4931

Hydrogen Production
Cross Section

49-In-115
-100.0 To 42.41 %



29

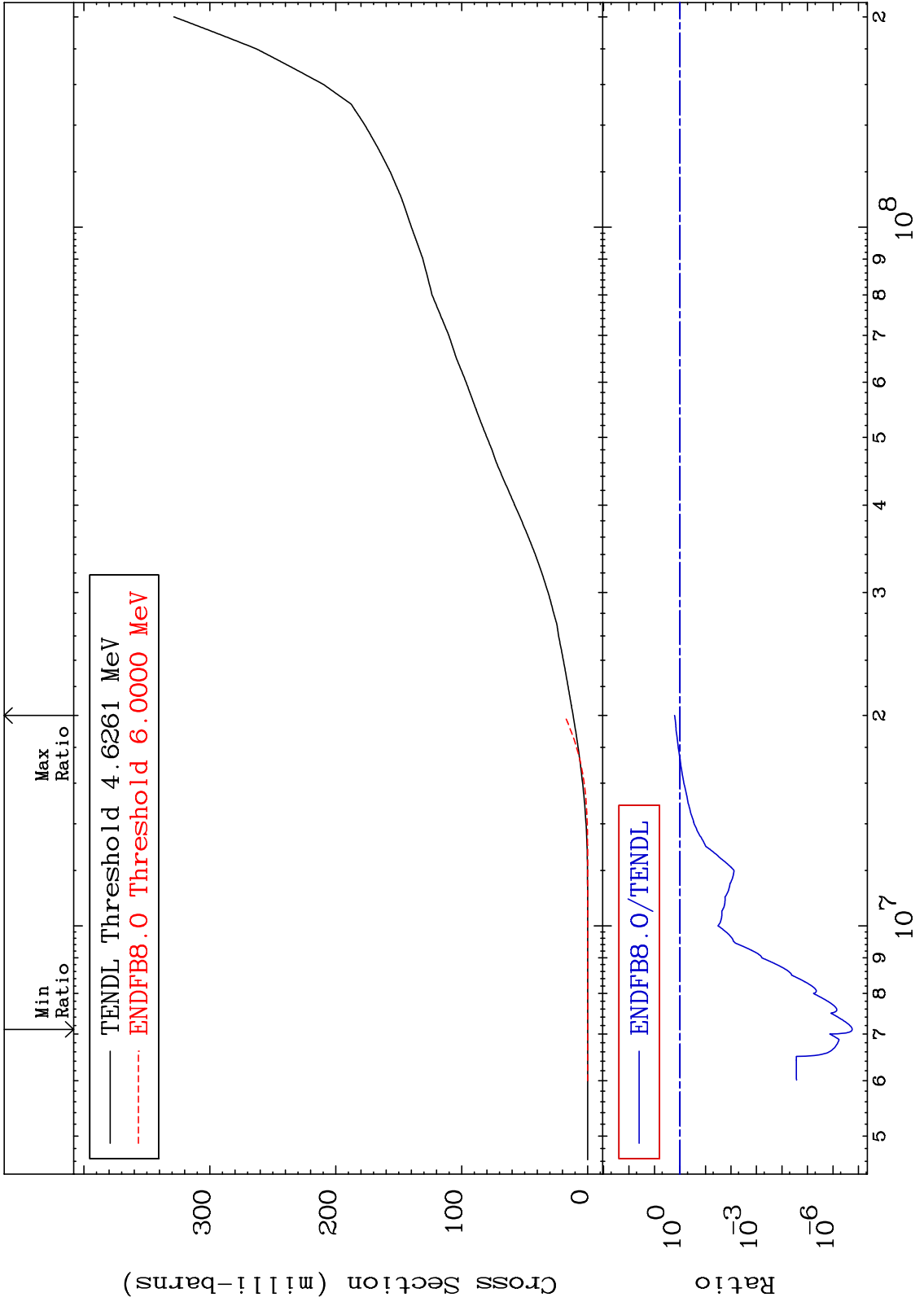
Incident Energy (eV)

49-In-115

MAT 4931

Deuterium Production
Cross Section

49-In-115
-100.0 To 62.42 %



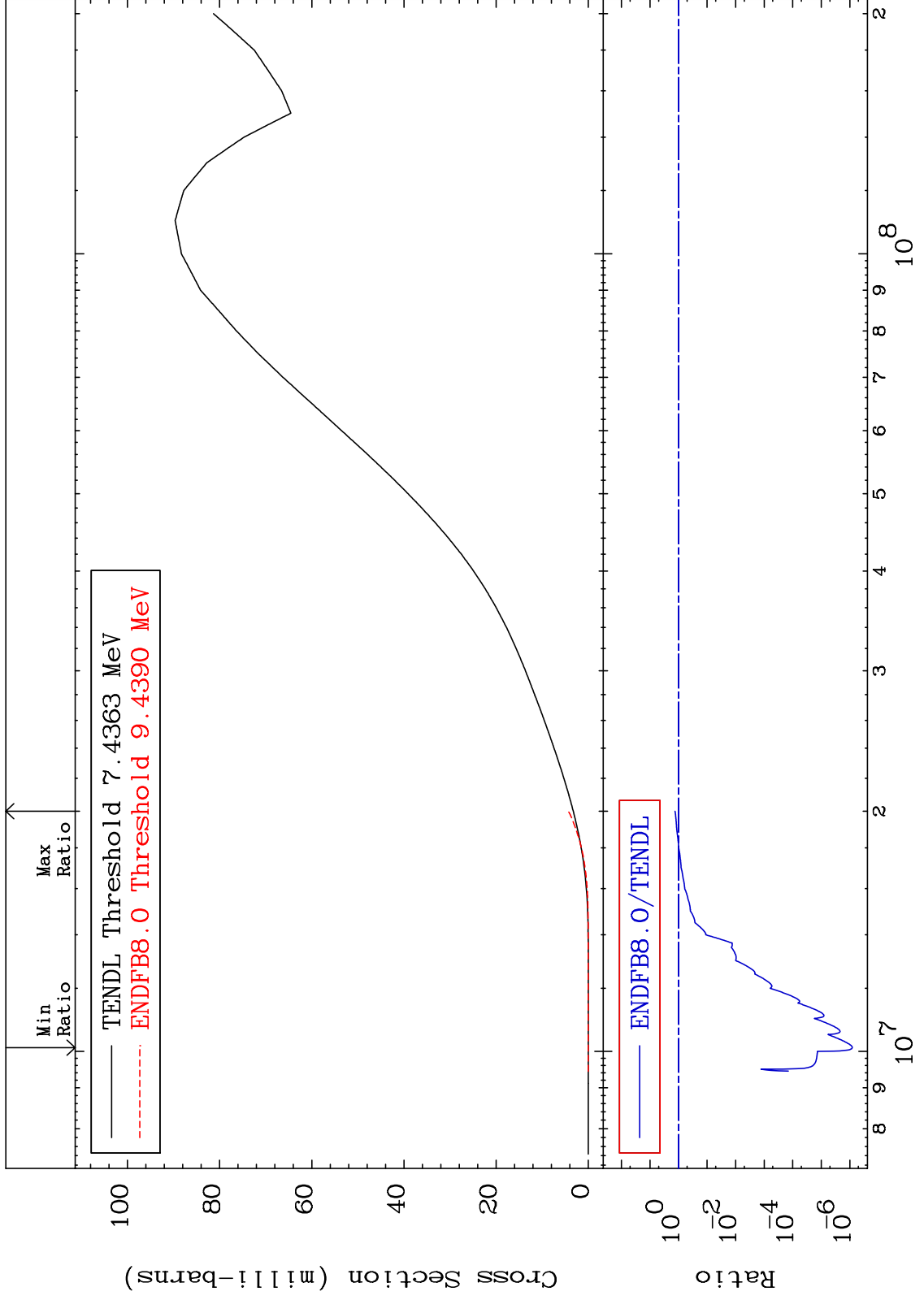
30

49-In-115

MAT 4931

Tritium Production
Cross Section

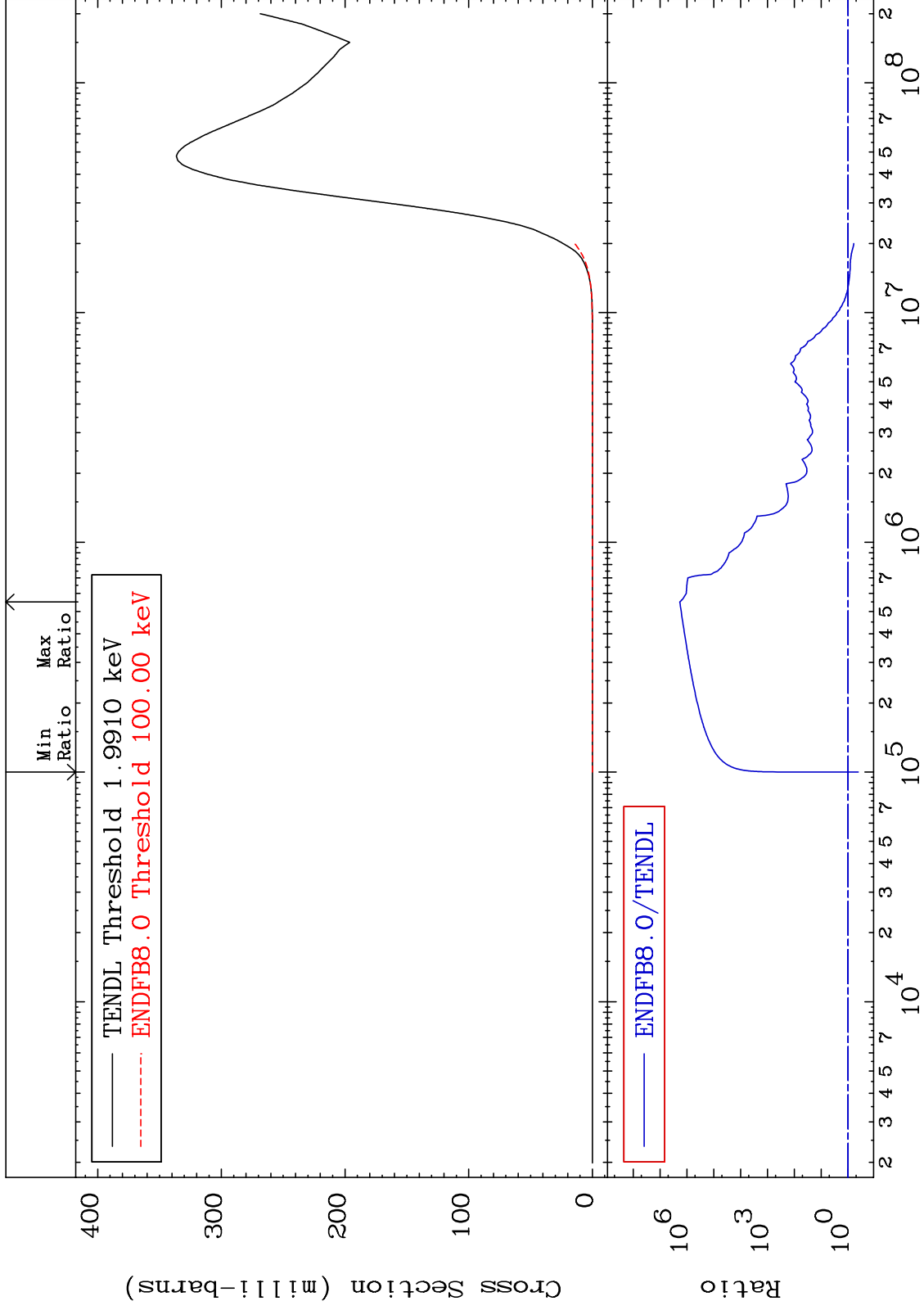
49-In-115
-100.0 To 33.23 %



MAT 4931

He-4 Production
Cross Section

49-In-115
-59.00 To 9999. %



32

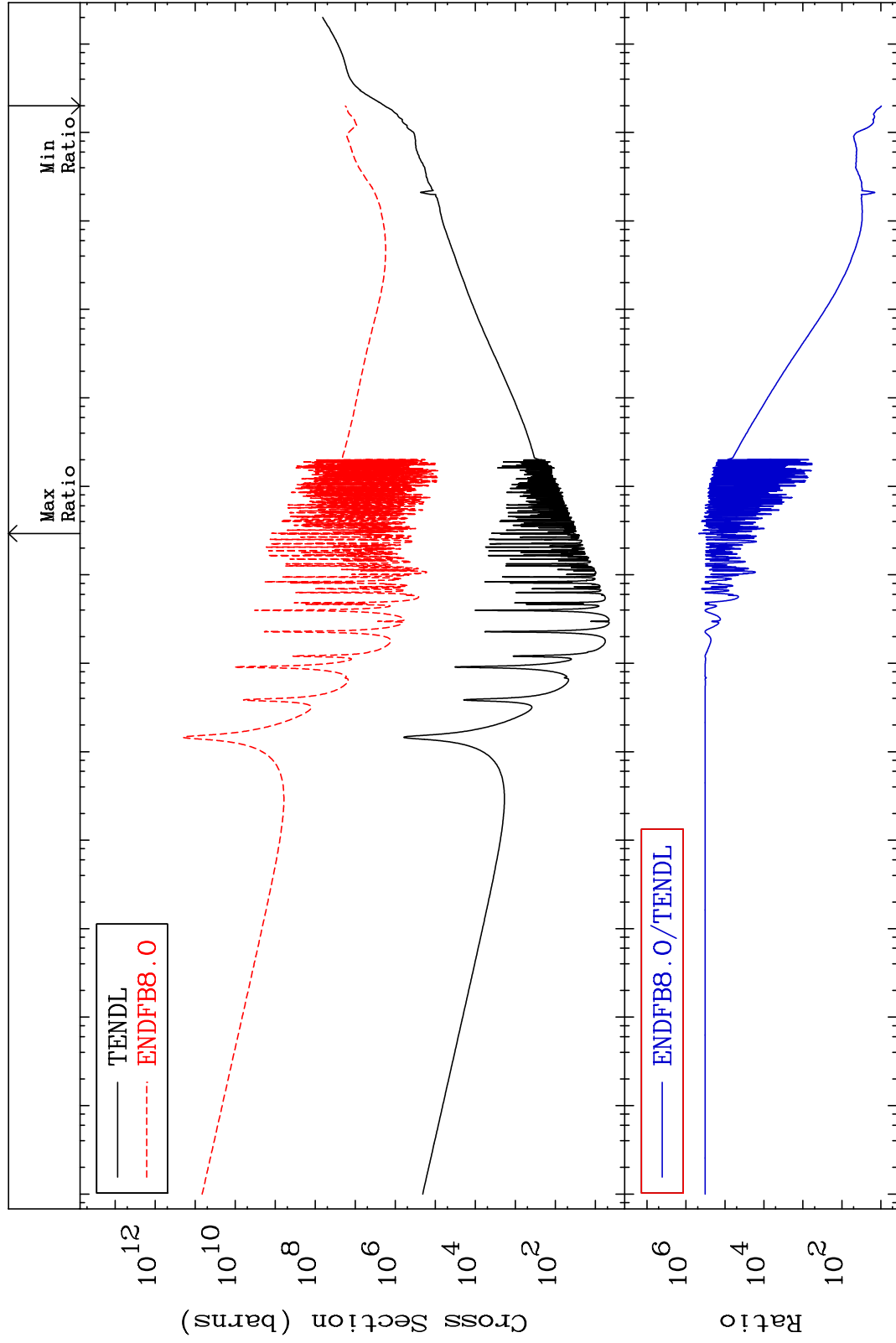
Incident Energy (eV)

49-In-115

MAT 4931

Kerma total (eV-barns)
Cross Section

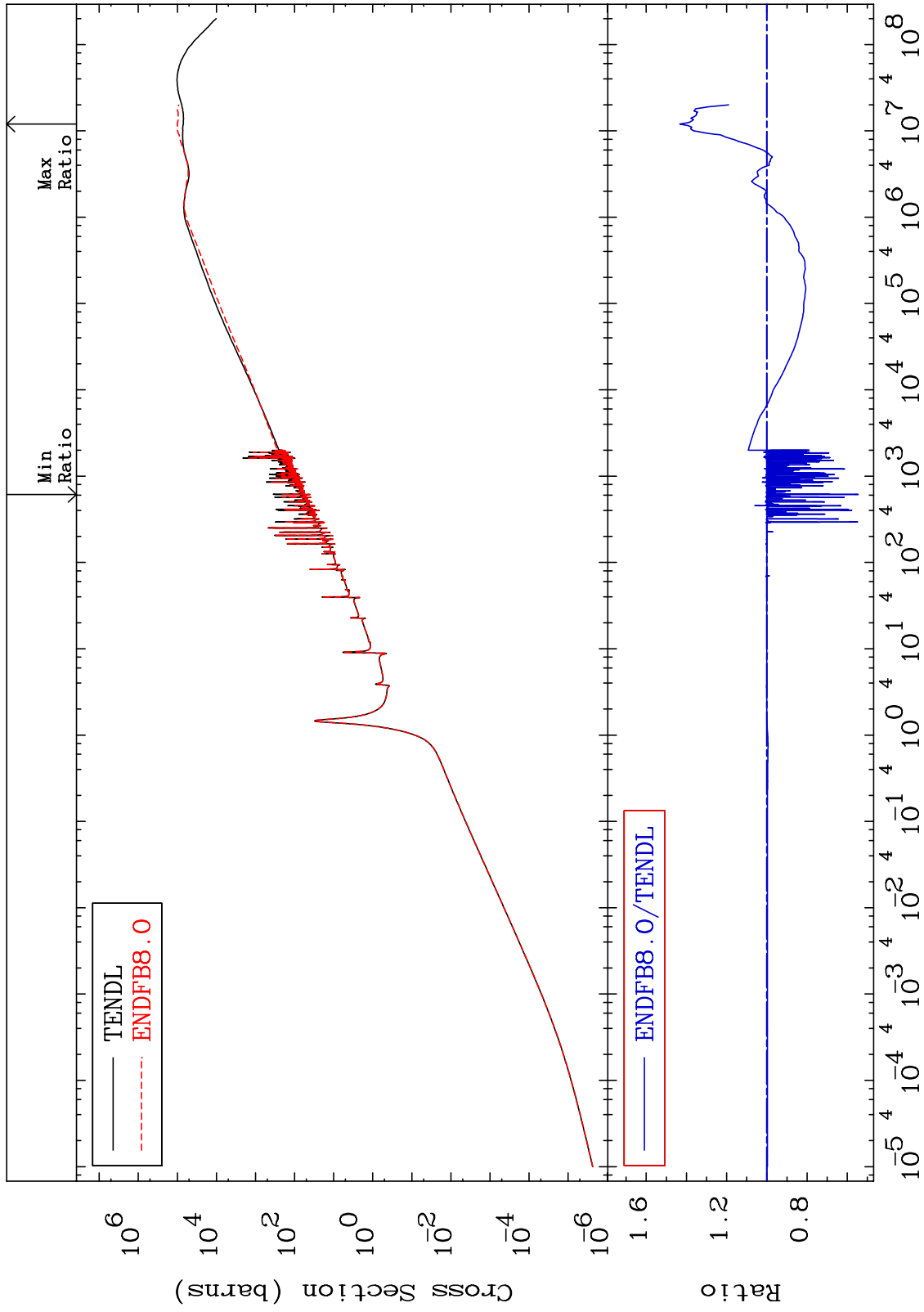
49-In-115
856.7 To 9999. %



MAT 4931

Kerma elastic
Cross Section

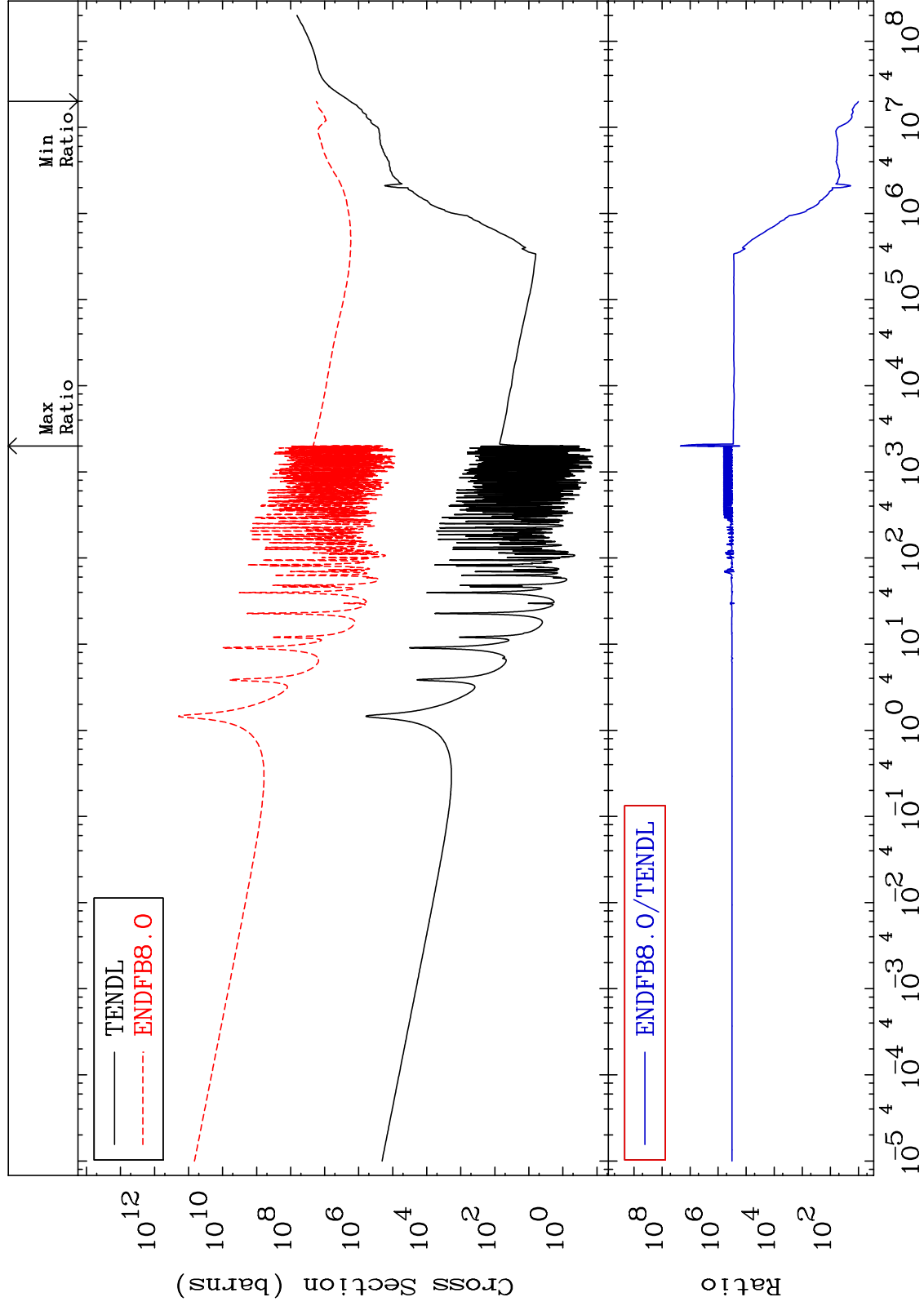
49-In-115
-45.56 To 43.19 %



MAT 4931

Kerma non-elastic (all but mt2)
Cross Section

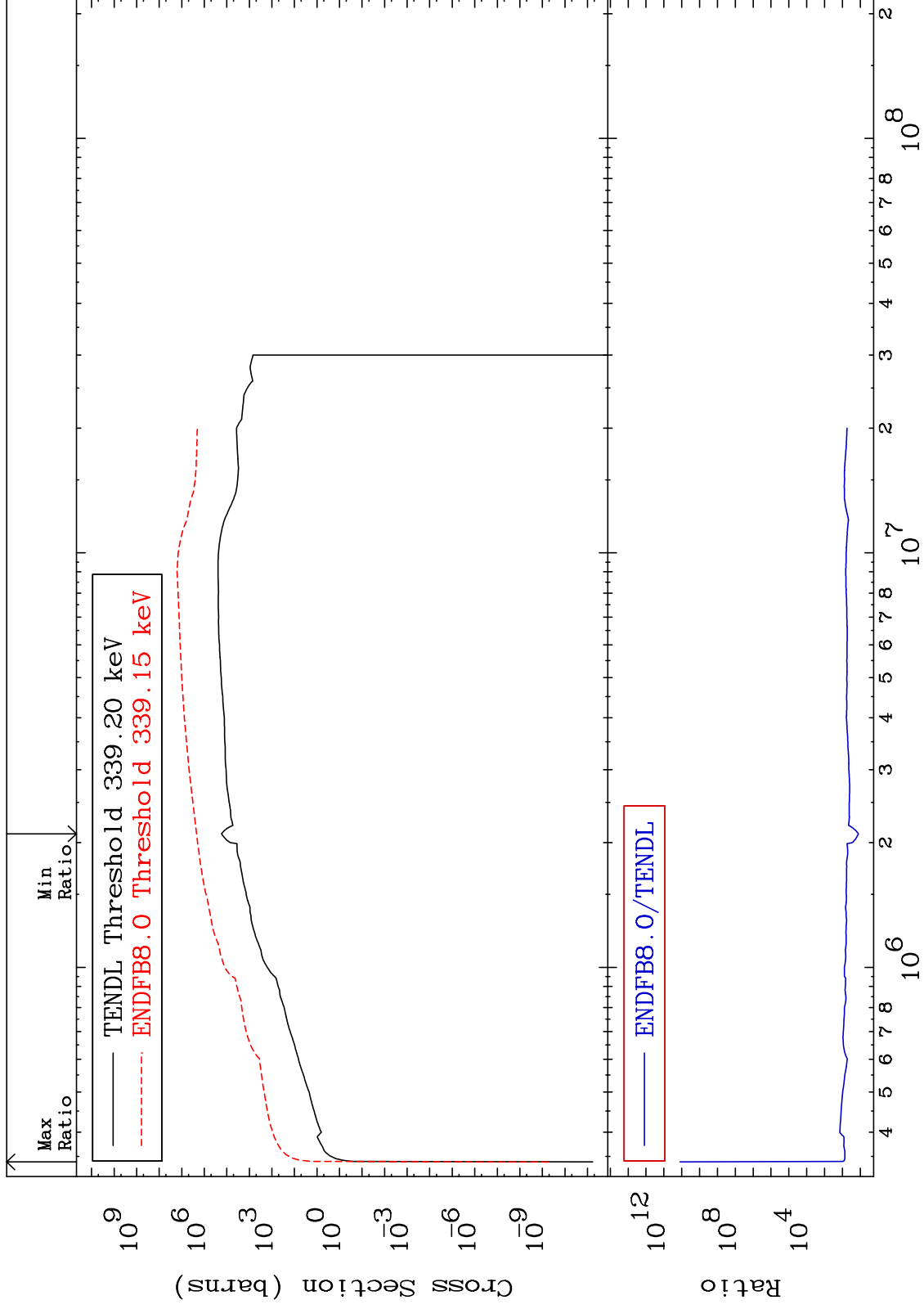
49-In-115
893.1 To 9999. %



MAT 4931

Kerma inelastic (mt51-91)
Cross Section

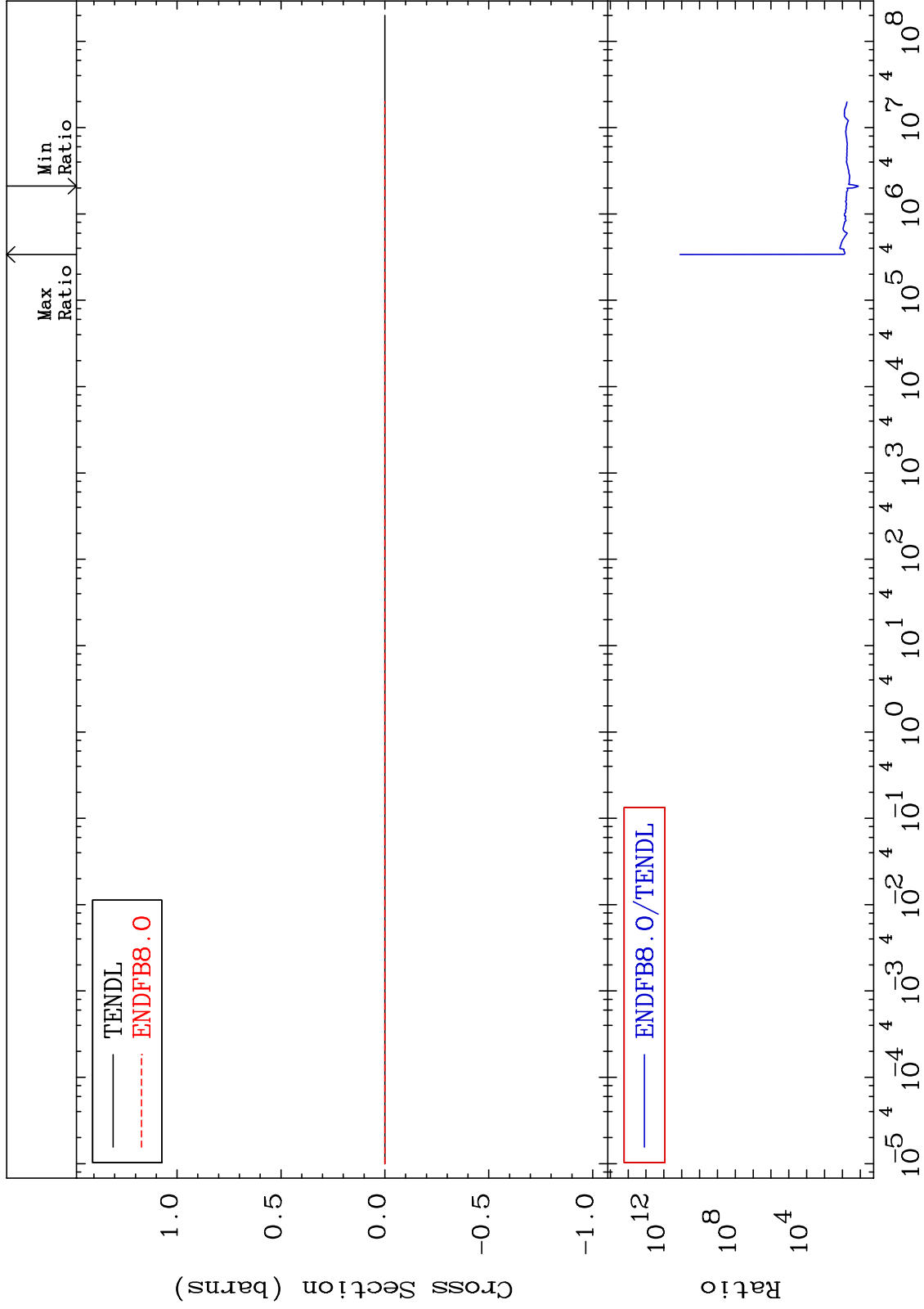
49-In-115
1172. To 9999. %



MAT 4931

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

49-In-115
1172. To 9999. %



37

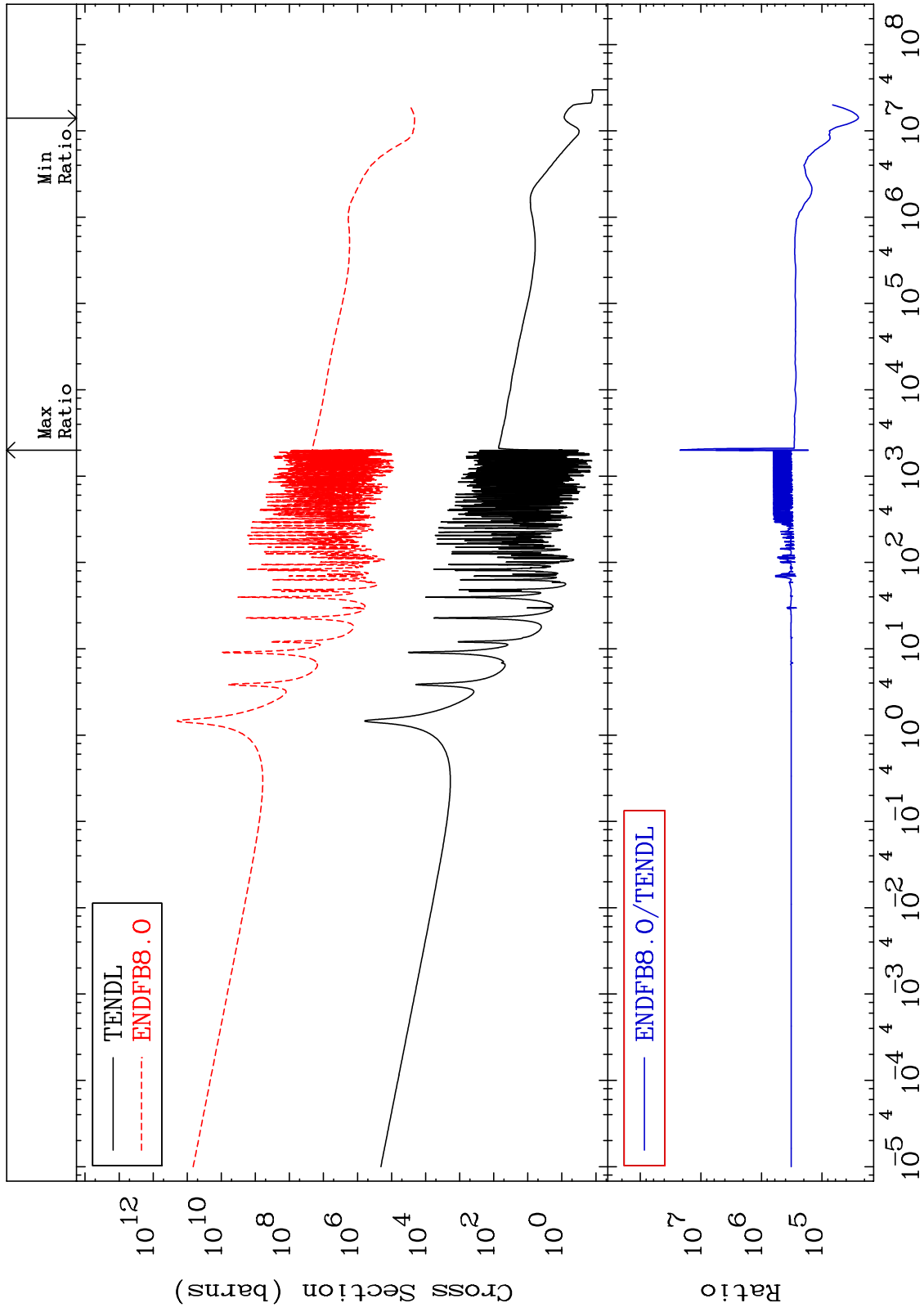
Incident Energy (eV)

49-In-115

MAT 4931

Kerma capture (mt102)
Cross Section

49-In-115
9999. To 9999. %



38

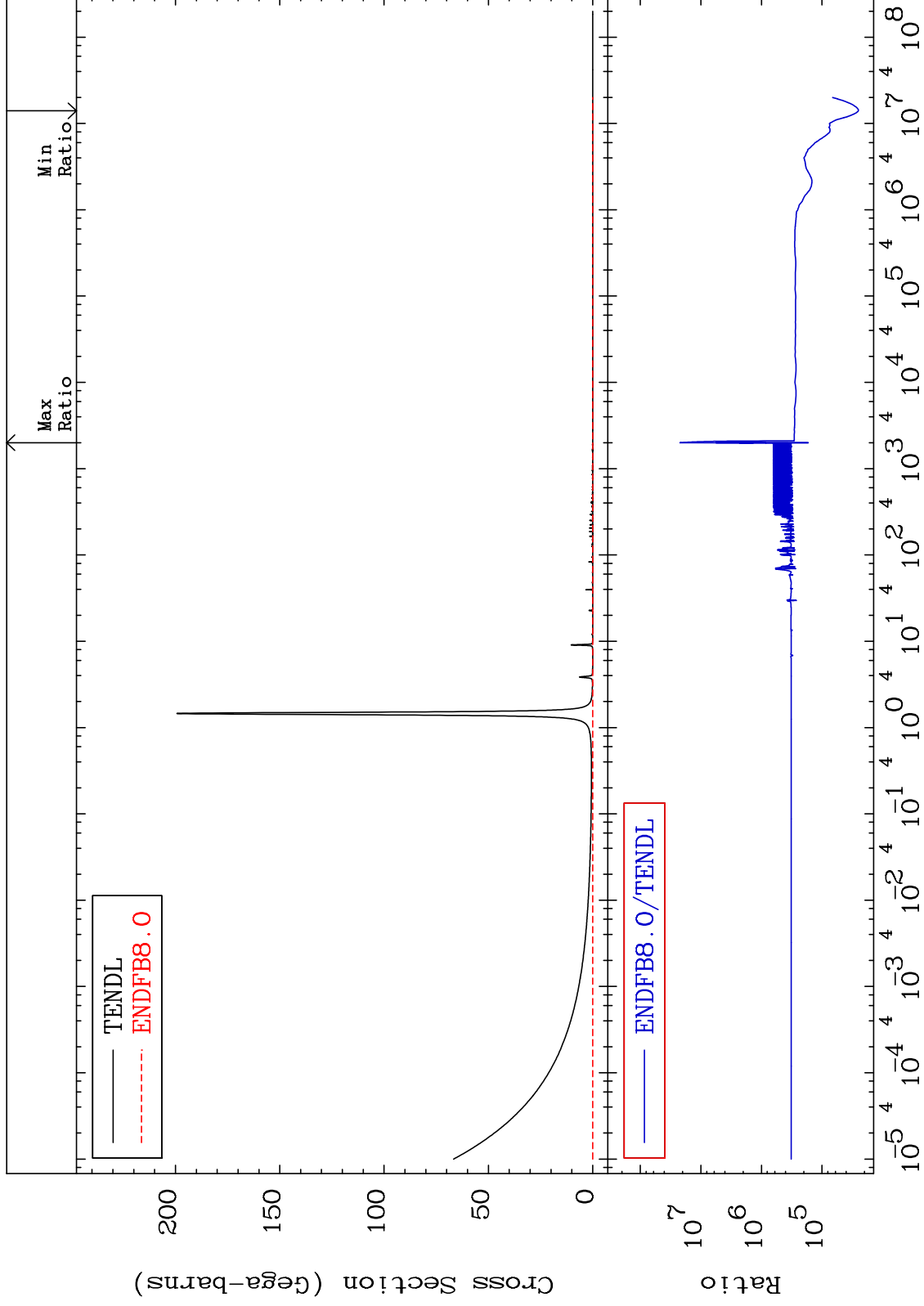
Incident Energy (eV)

49-In-115

MAT 4931

Total photon (eV-barns)
Cross Section

49-In-115
9999. To 9999. %



39

Incident Energy (eV)

49-In-115

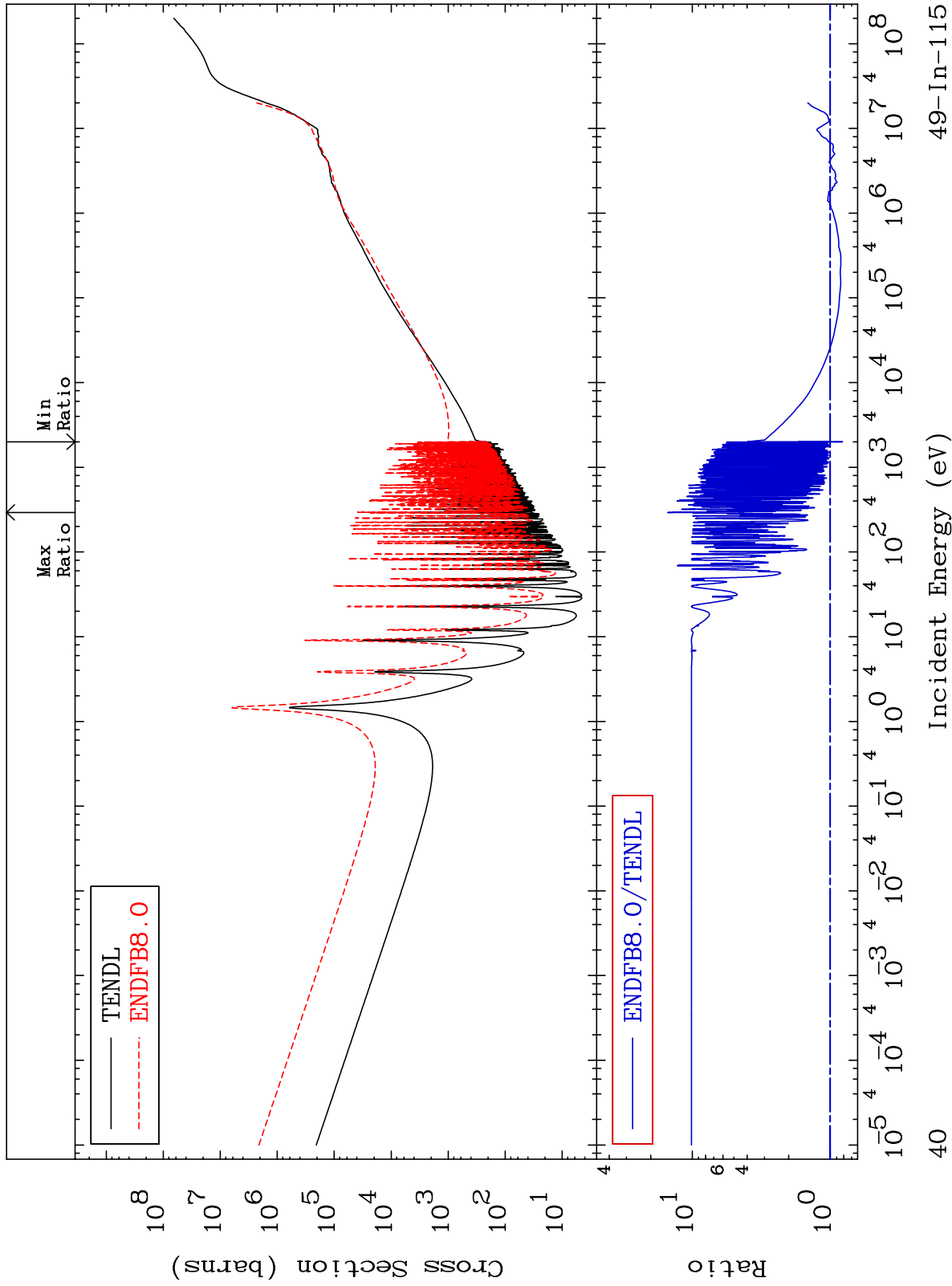
MAT 4931

Total kinematic kerma (high limit)

49-In-115

-18.75 To 1410. %

Cross Section



40

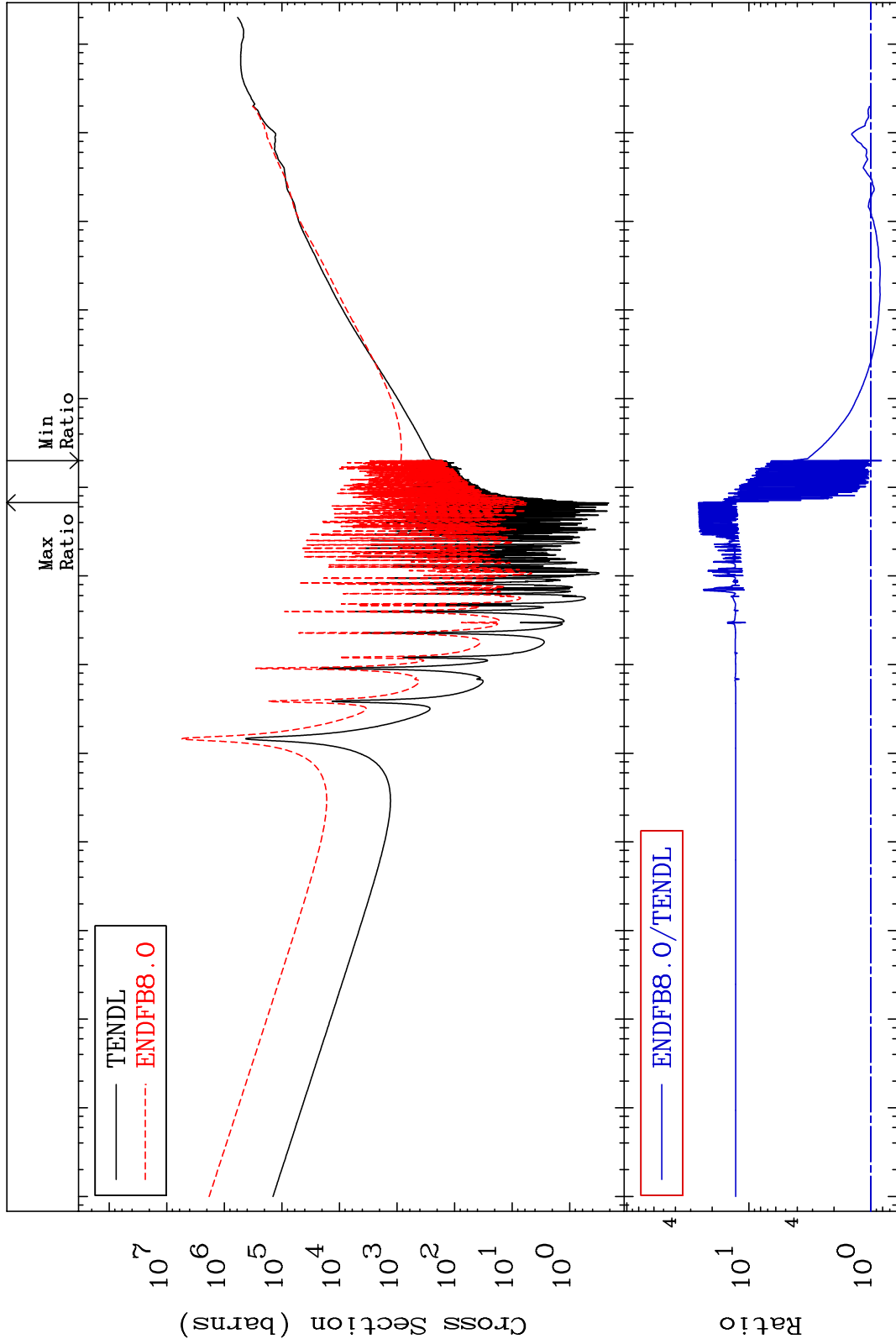
Incident Energy (eV)

49-In-115

MAT 4931

Dpa total (eV-barns)
Cross Section

49-In-115
-18.37 To 2492. %



41

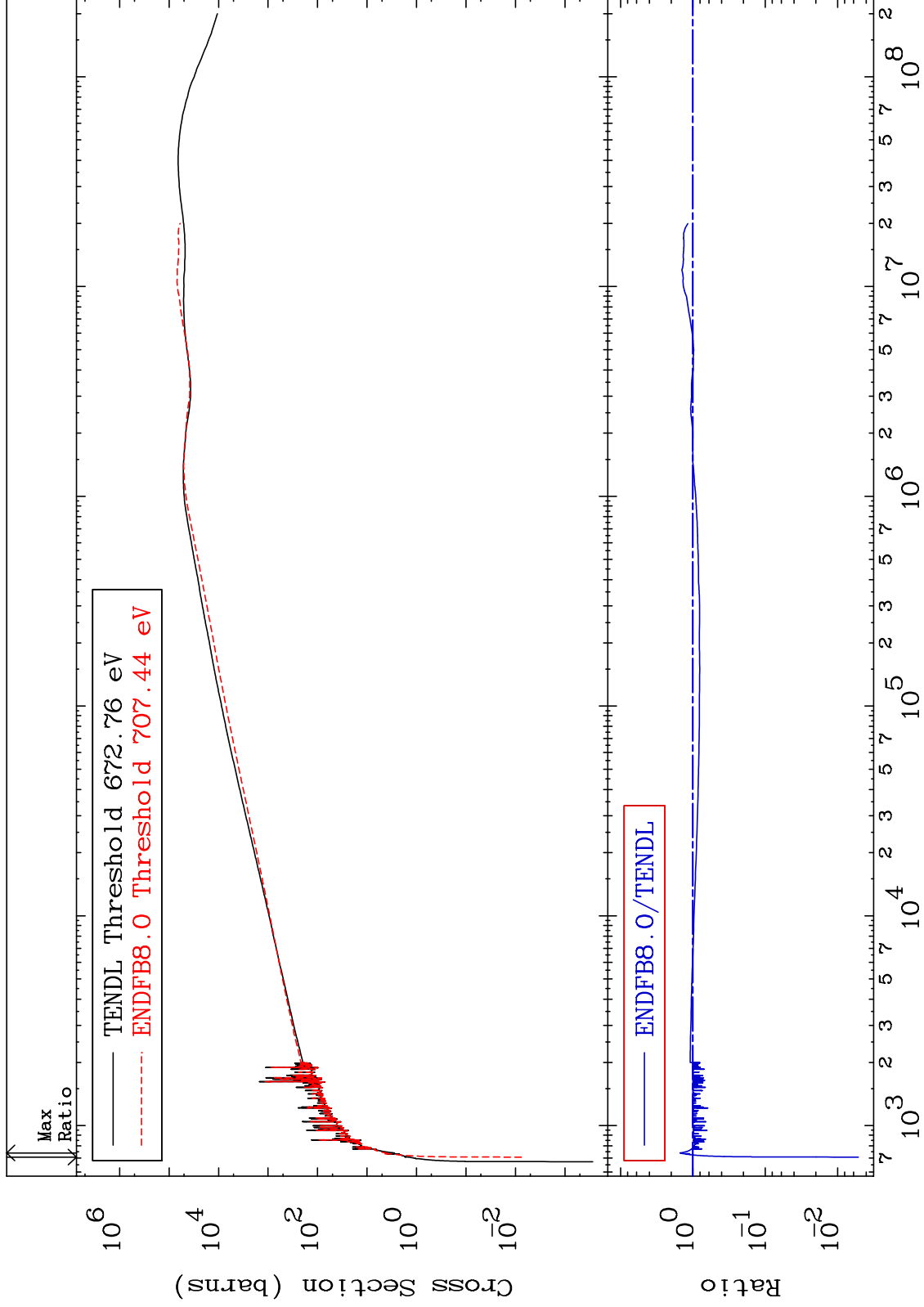
Incident Energy (eV)

49-In-115

MAT 4931

Dpa elastic (mt2)
Cross Section

49-In-115
-99.49 To 50.80 %



42

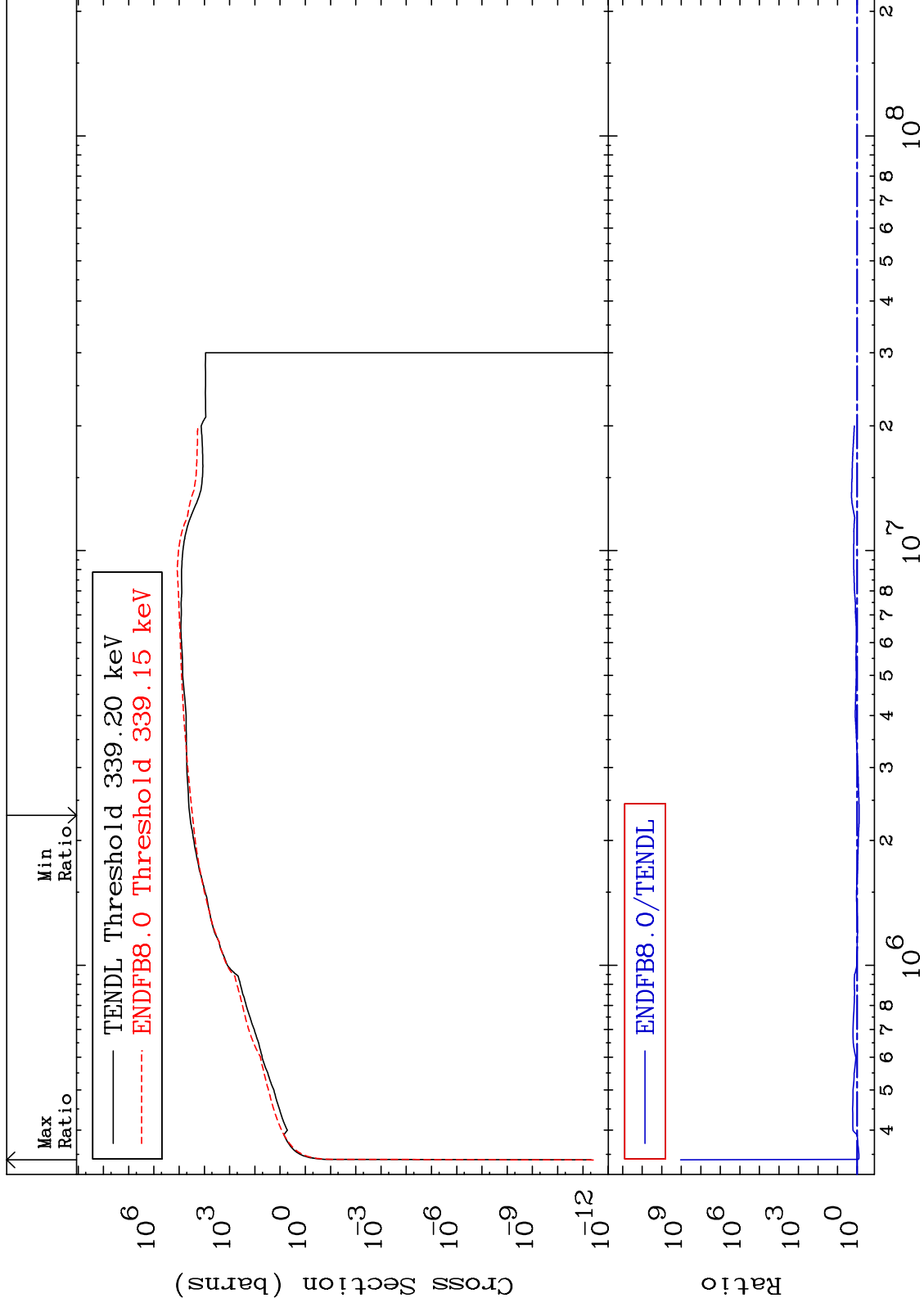
49-In-115

49-In-115

MAT 4931

Dpa inelastic (mt51-91)
Cross Section

49-In-115
-21.59 To 9999. %



43

Incident Energy (eV)

49-In-115

MAT 4931

Dpa disappearance (mt102 -120)
Cross Section

49-In-115
-8.065 To 9999. %

