

Program Complot
(Version 2018-1)

by

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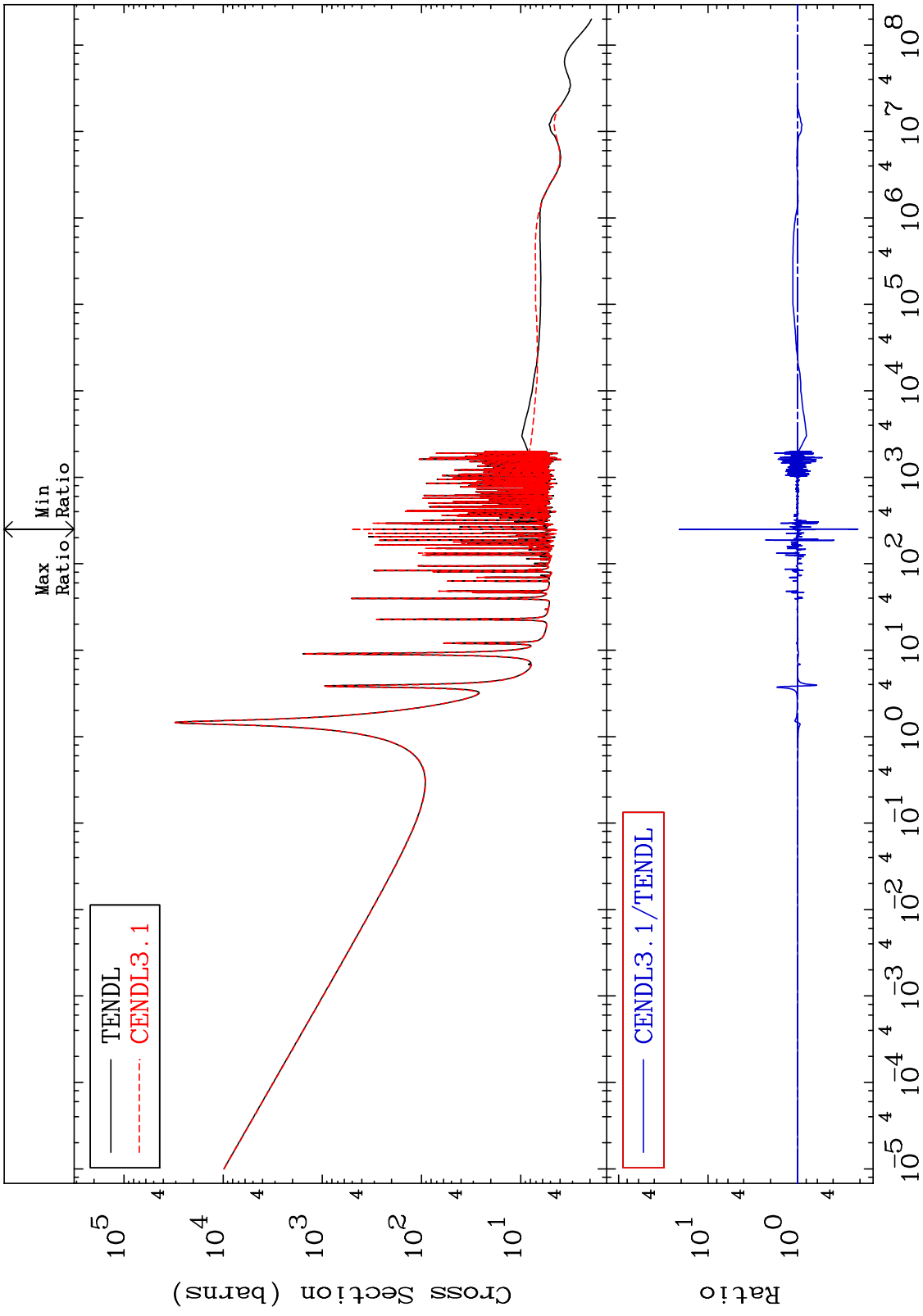
U.S.A.

Tele: 925-443-1911

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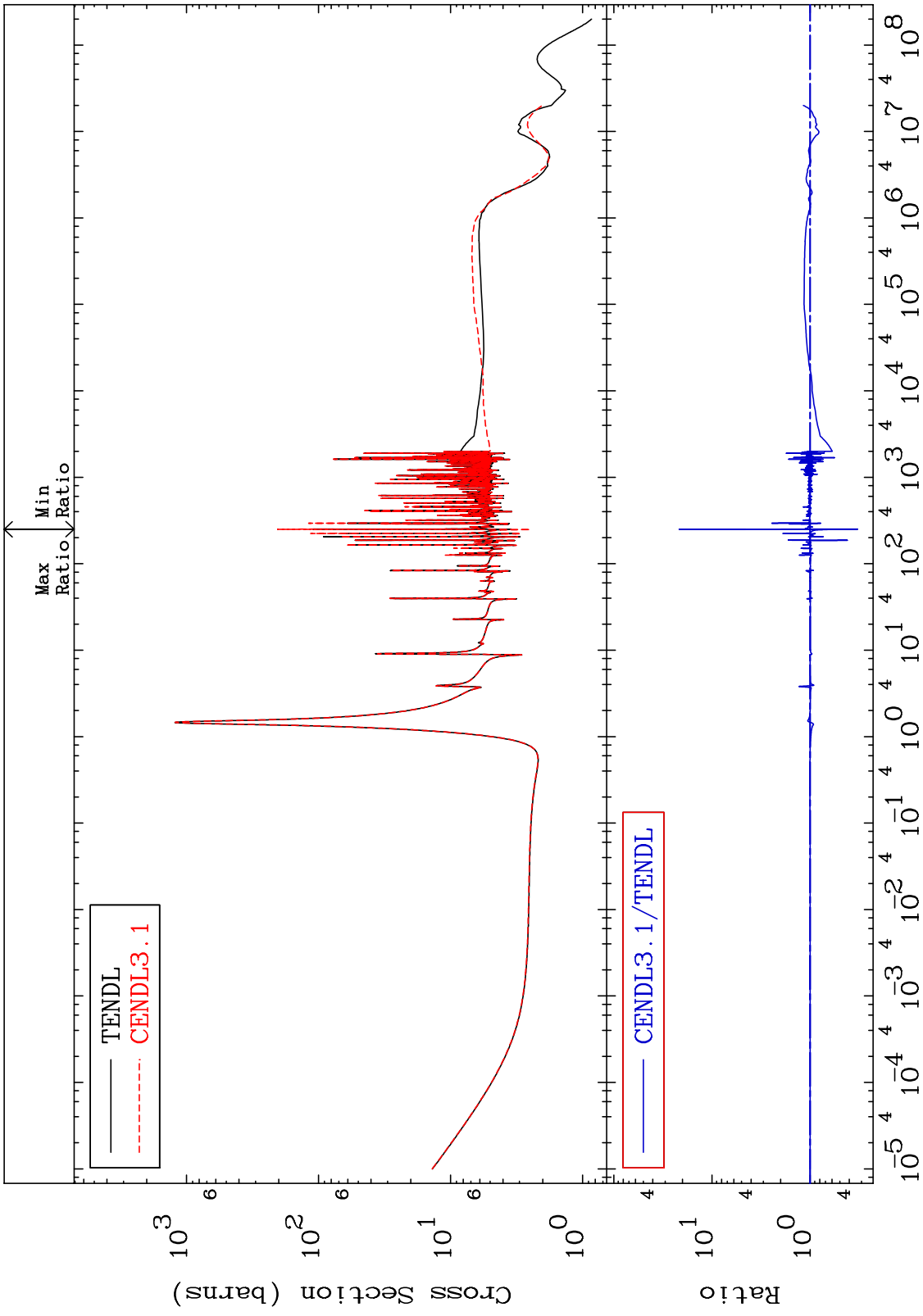
Press Mouse Button to Start

MAT 4931 49-In-115
Total -78.86 To 2009. %
Cross Section



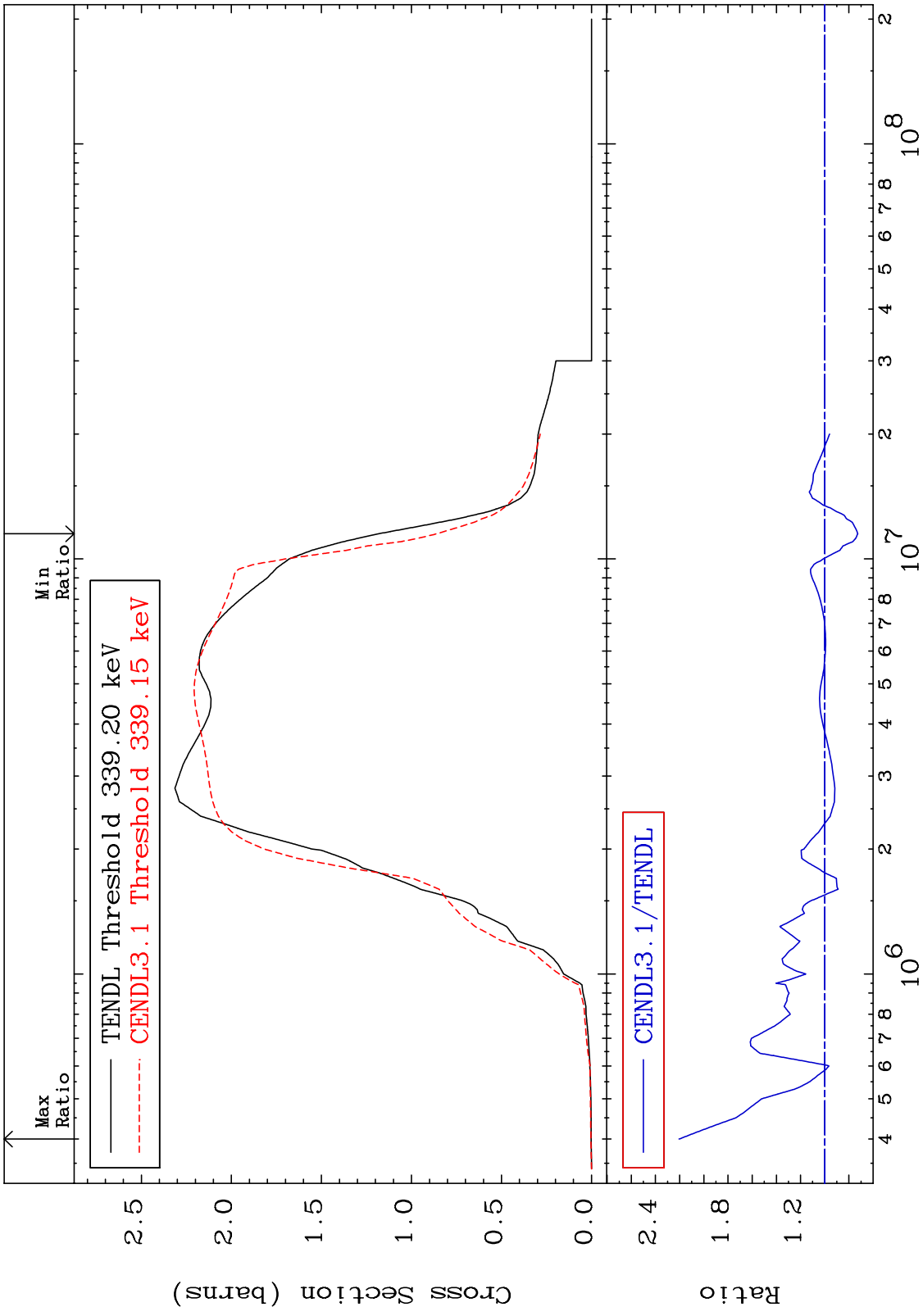
1 49-In-115

MAT 4931 Elastic Cross Section 49-In-115 -67.24 To 2064. %

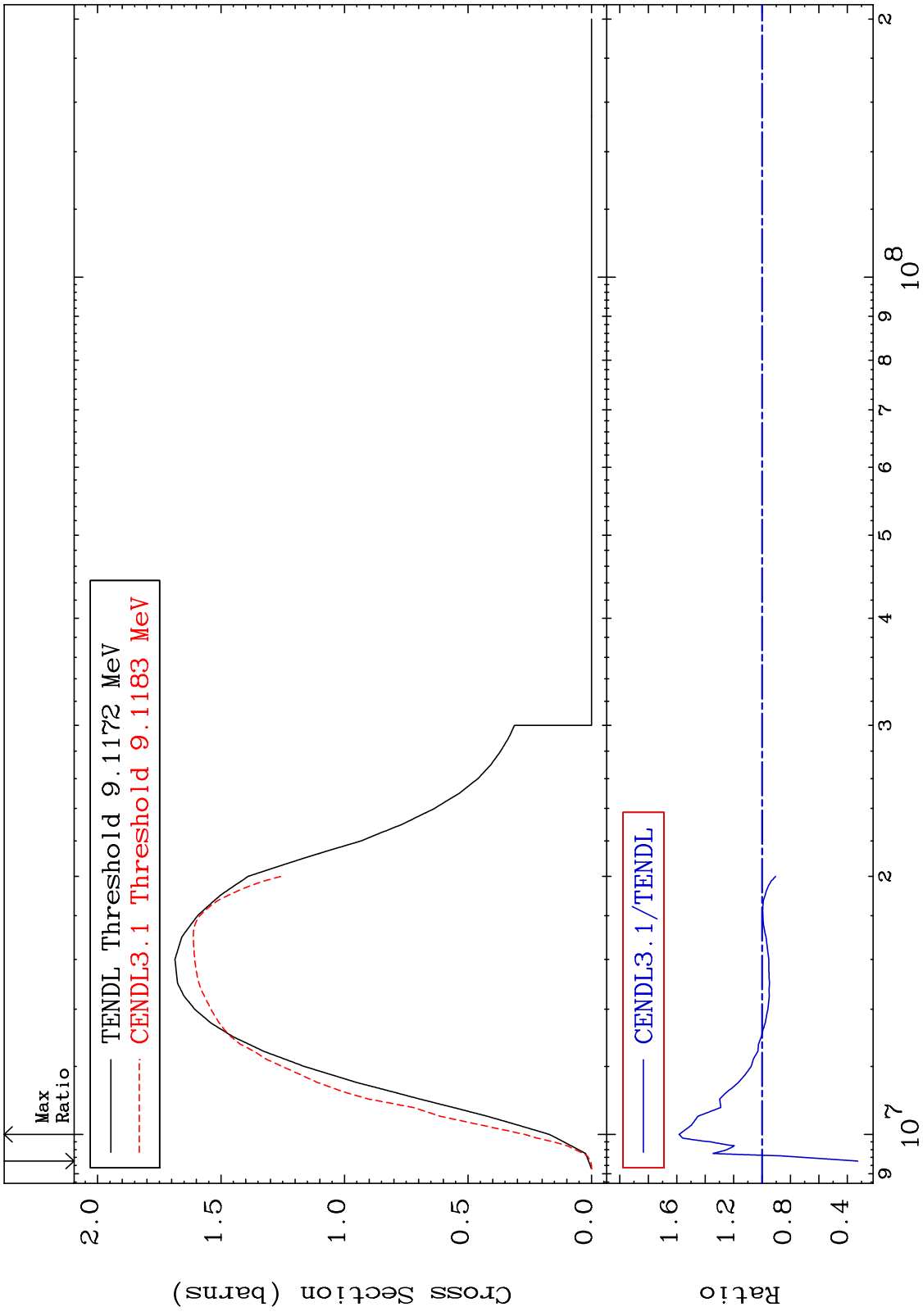


2 49-In-115

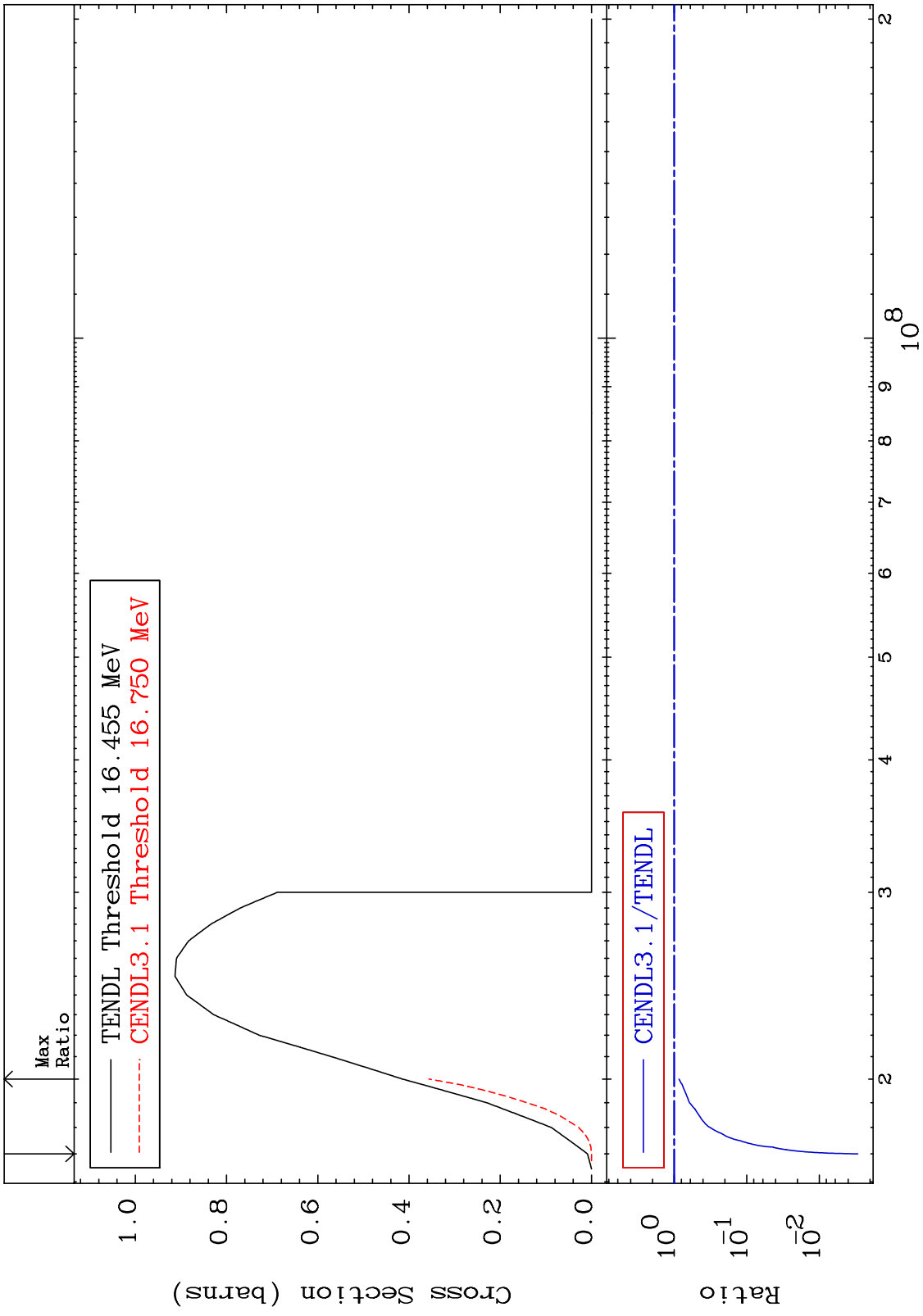
MAT 4931 Inelastic Cross Section 49-In-115 -27.38 To 120.5 %



MAT 4931 (n,2n) Cross Section 49-In-115 -67.36 To 58.36 %



4 Incident Energy (eV) 49-In-115



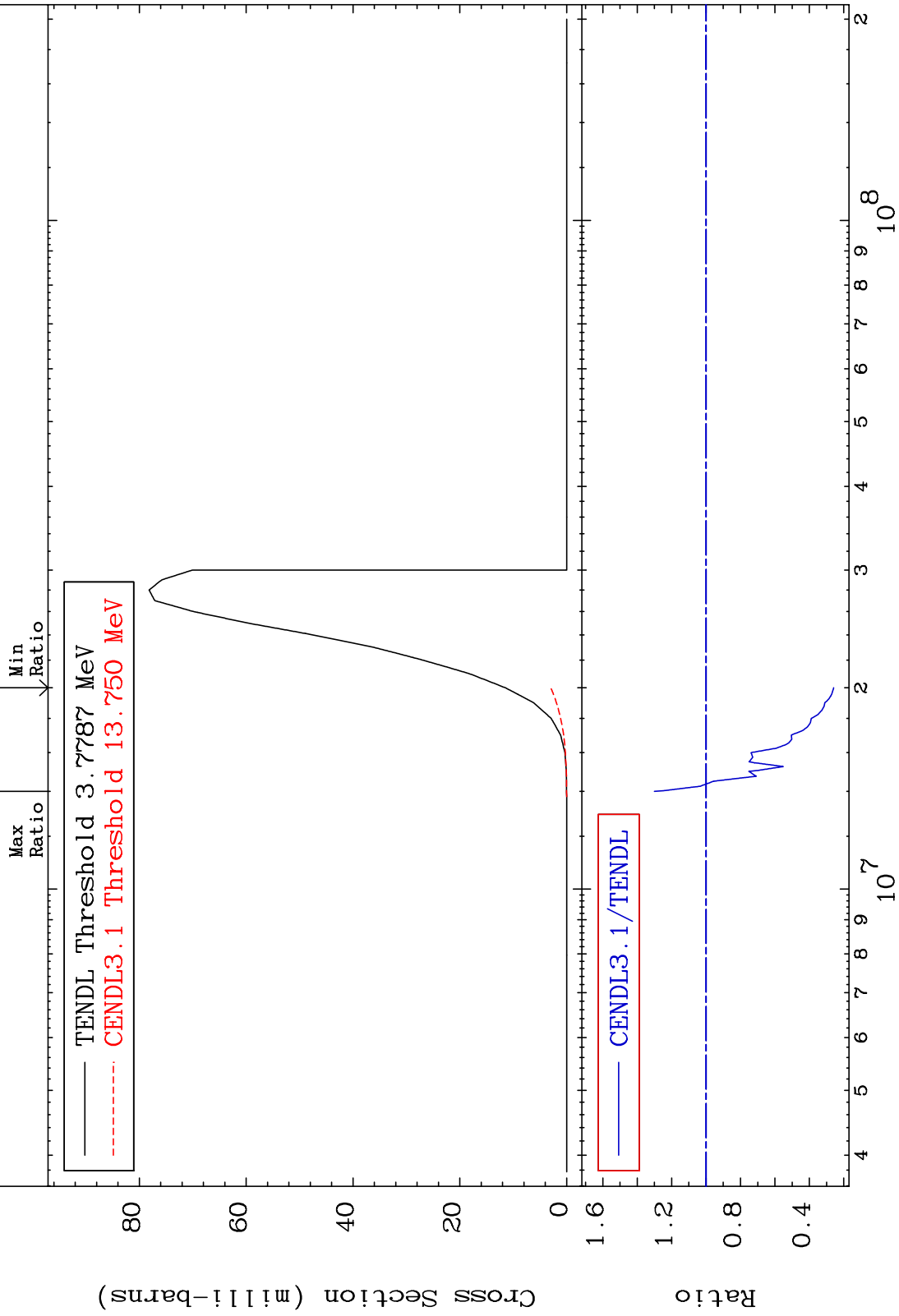
MAT 4931

(n, n') α

49-In-115

-74.14 To 30.00 %

Cross Section

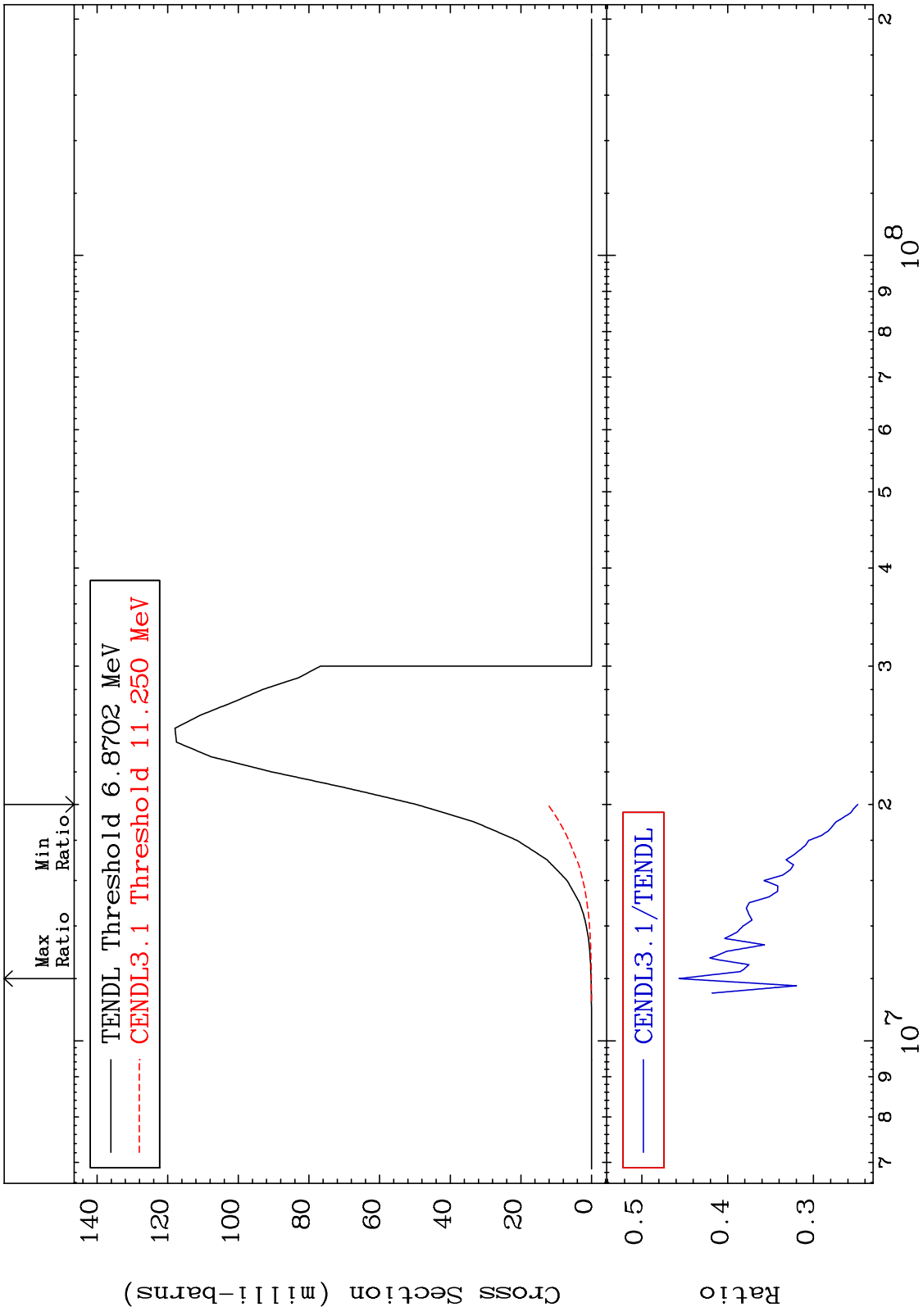


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Incident Energy (eV)

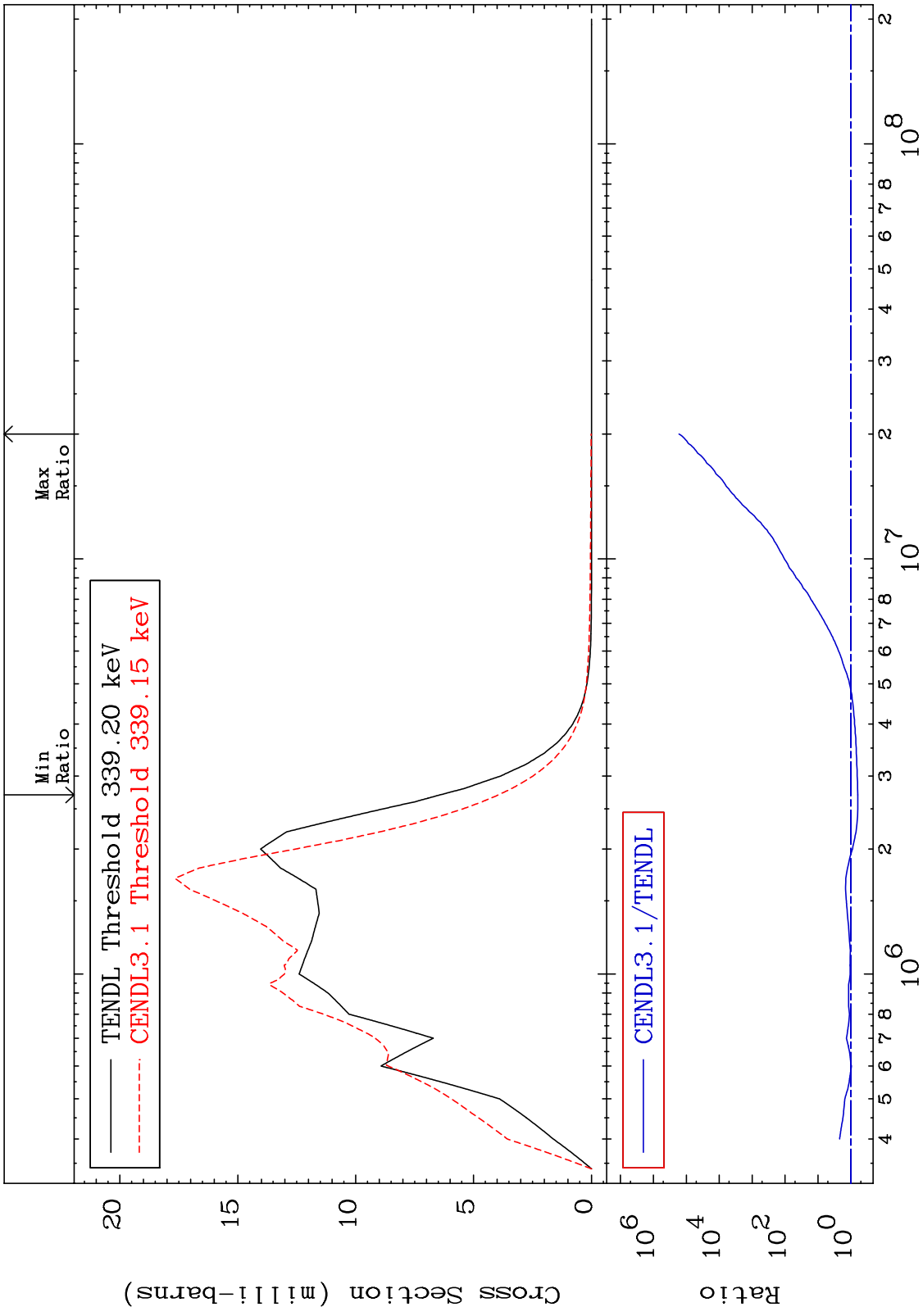
49-In-115

MAT 4931 (n,n') p 49-In-115
 Cross Section -75.16 To -54.34%



7 49-In-115

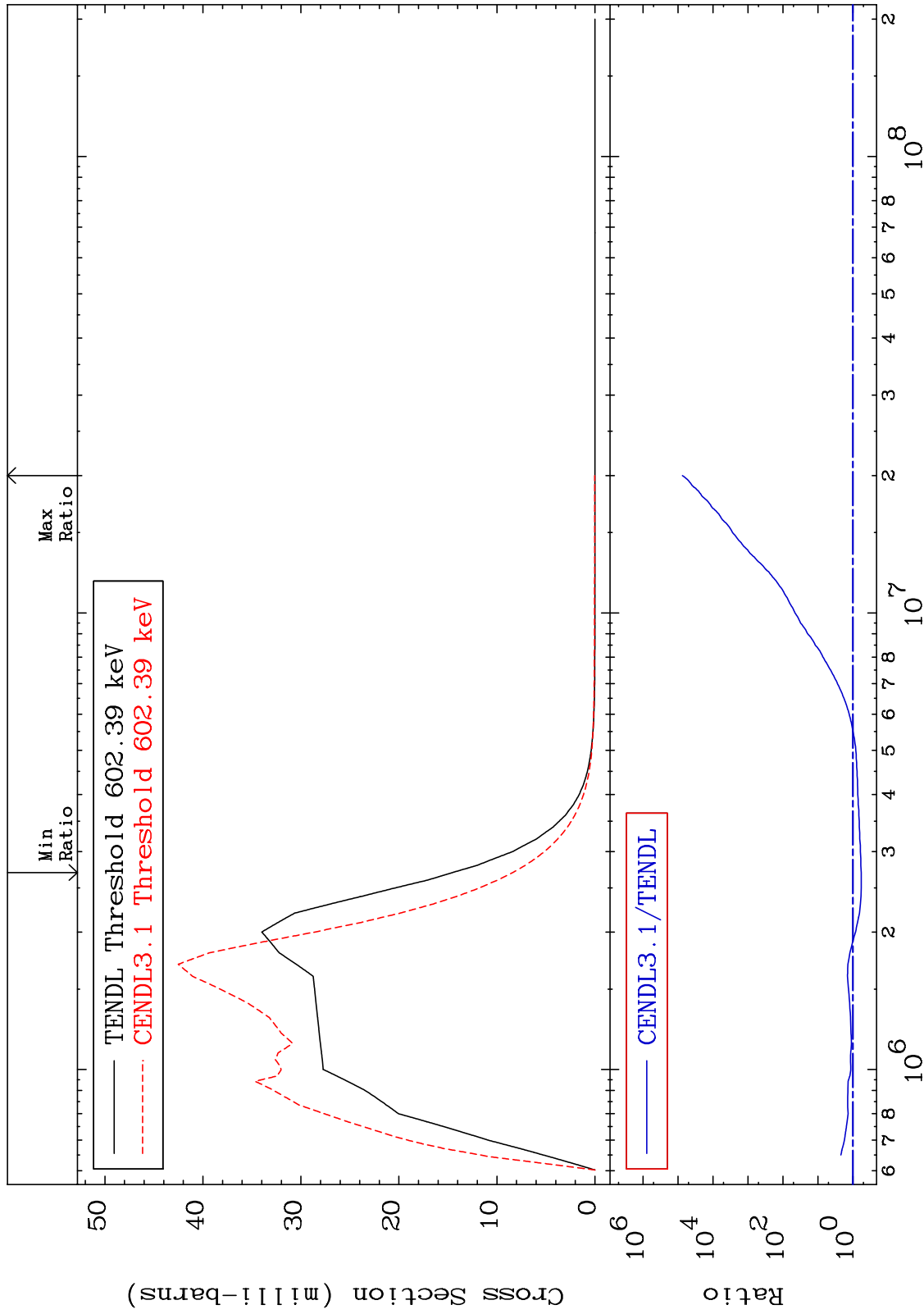
MAT 4931 MT= 51 (n,n') Level Cross Section 49-In-115
 -38.60 To 9999. %



MAT 4931

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

49-In-115
-42.32 To 9999. %



9

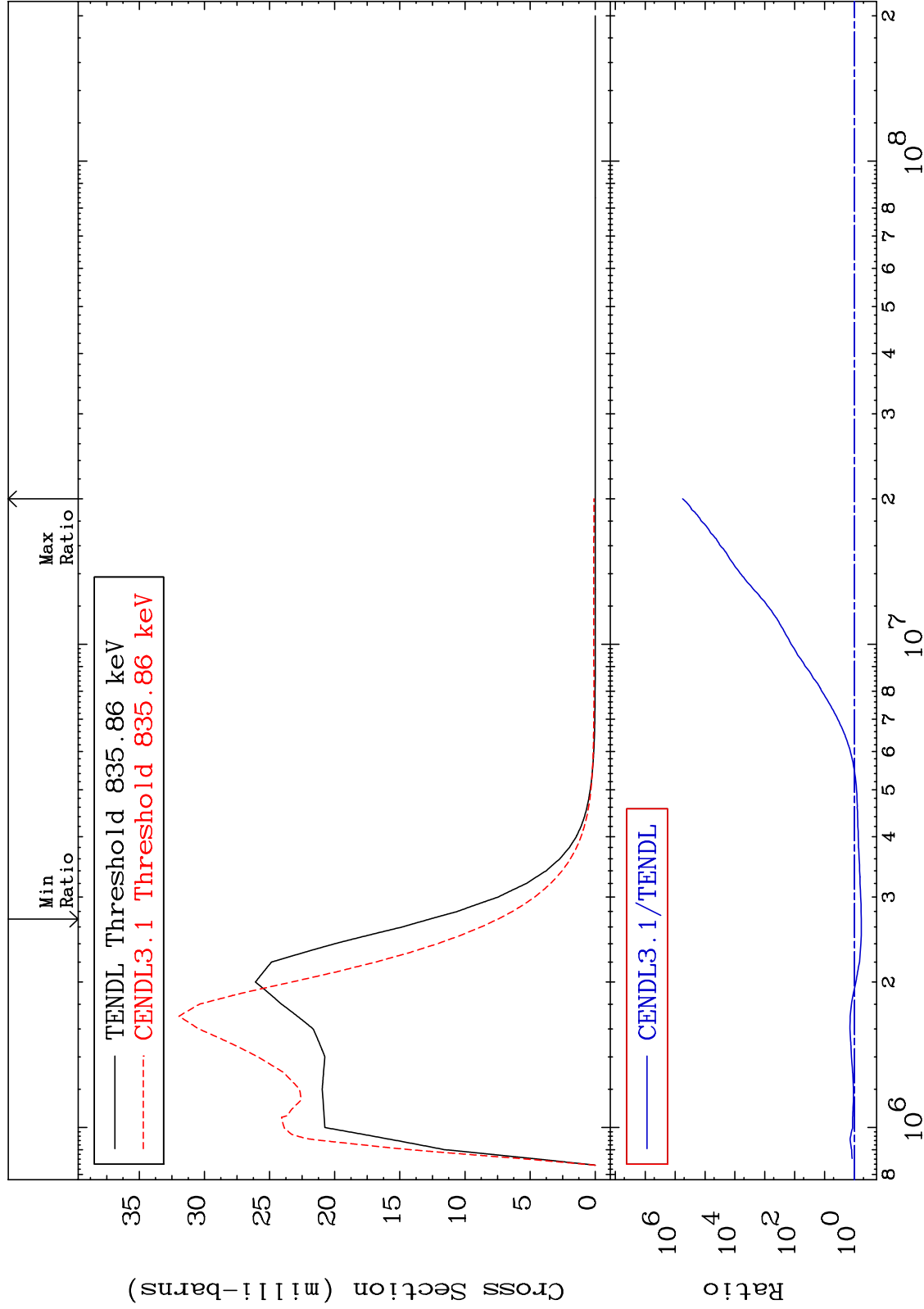
Incident Energy (eV)

49-In-115

MAT 4931

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

49-In-115
-41.29 To 9999. %

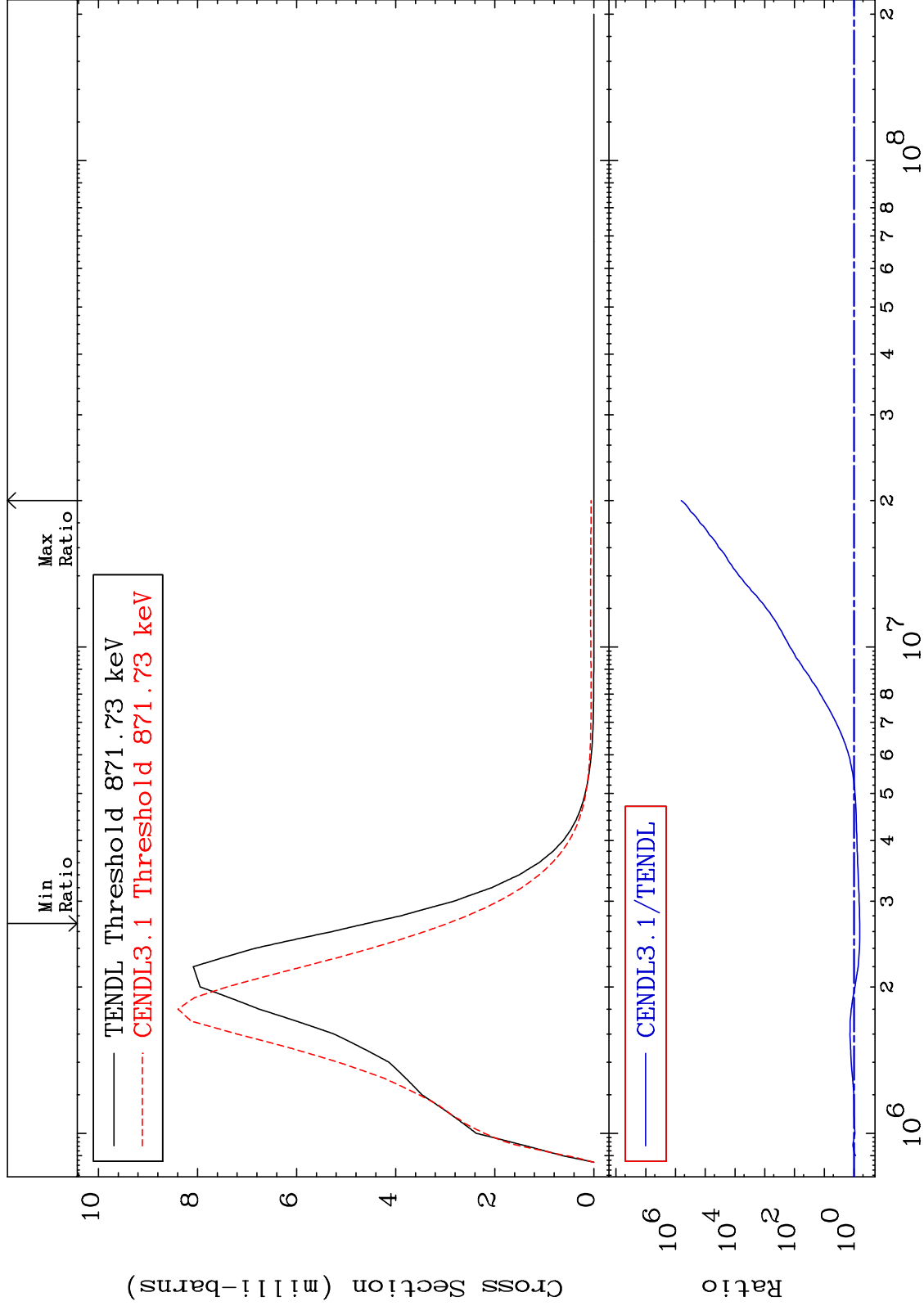


49-In-115

MAT 4931

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

49-In-115
-35.61 To 9999. %



11

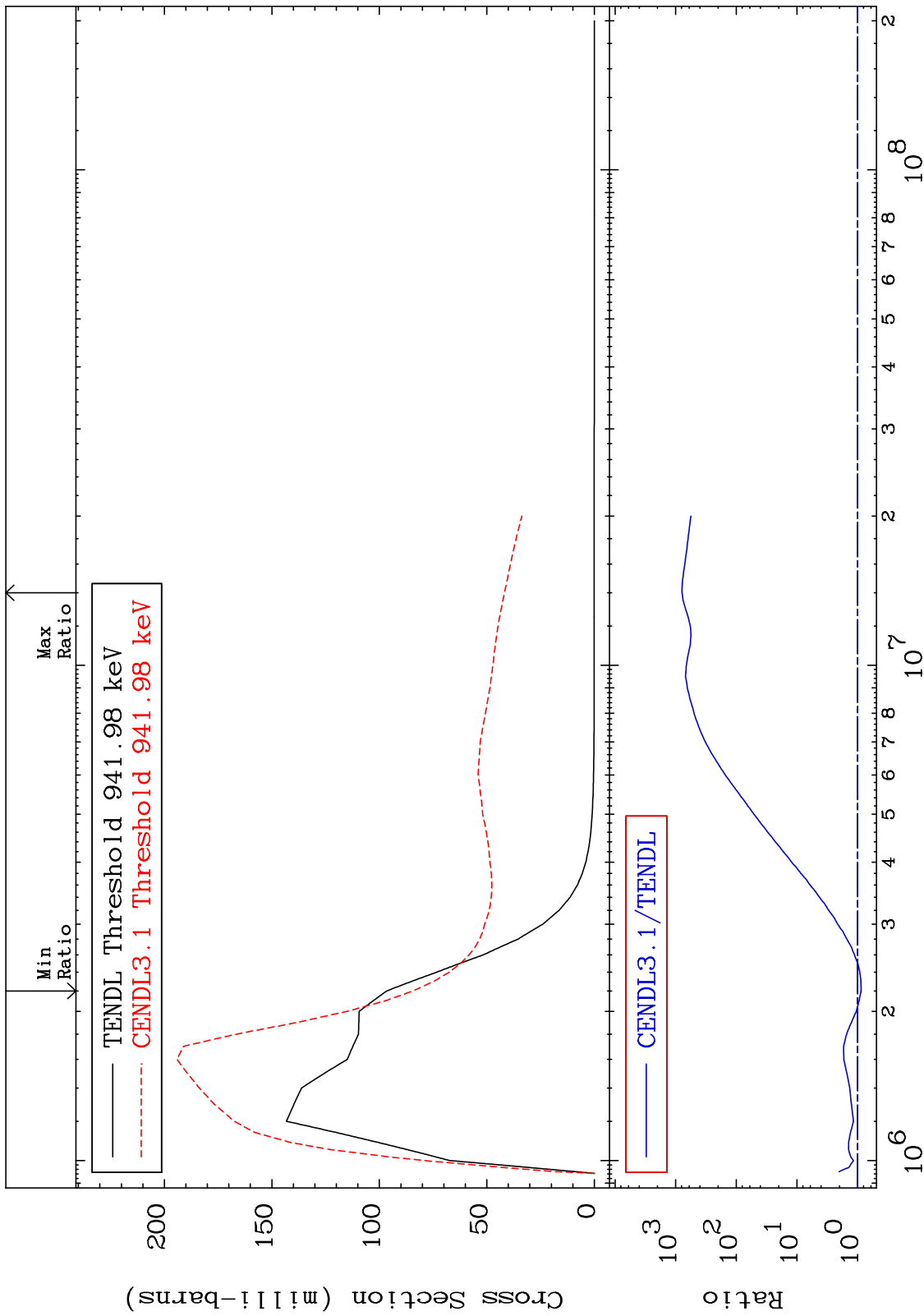
Incident Energy (eV)

49-In-115

MAT 4931

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

49-In-115
-12.71 To 9999. %

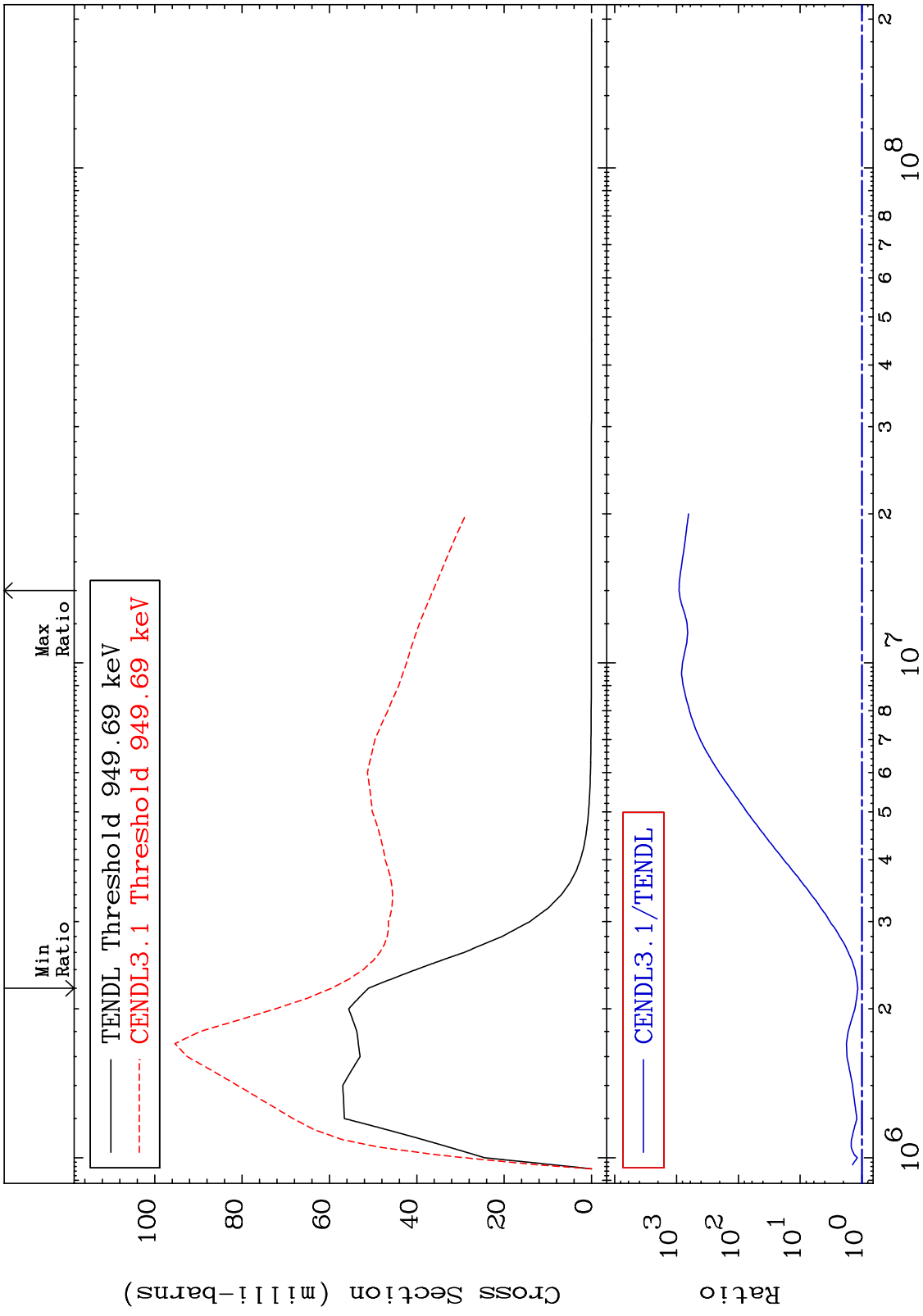


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Incident Energy (eV)

49-In-115

MAT 4931 MT= 56 (n,n') Level 49-In-115
 Cross Section 16.53 To 9999. %

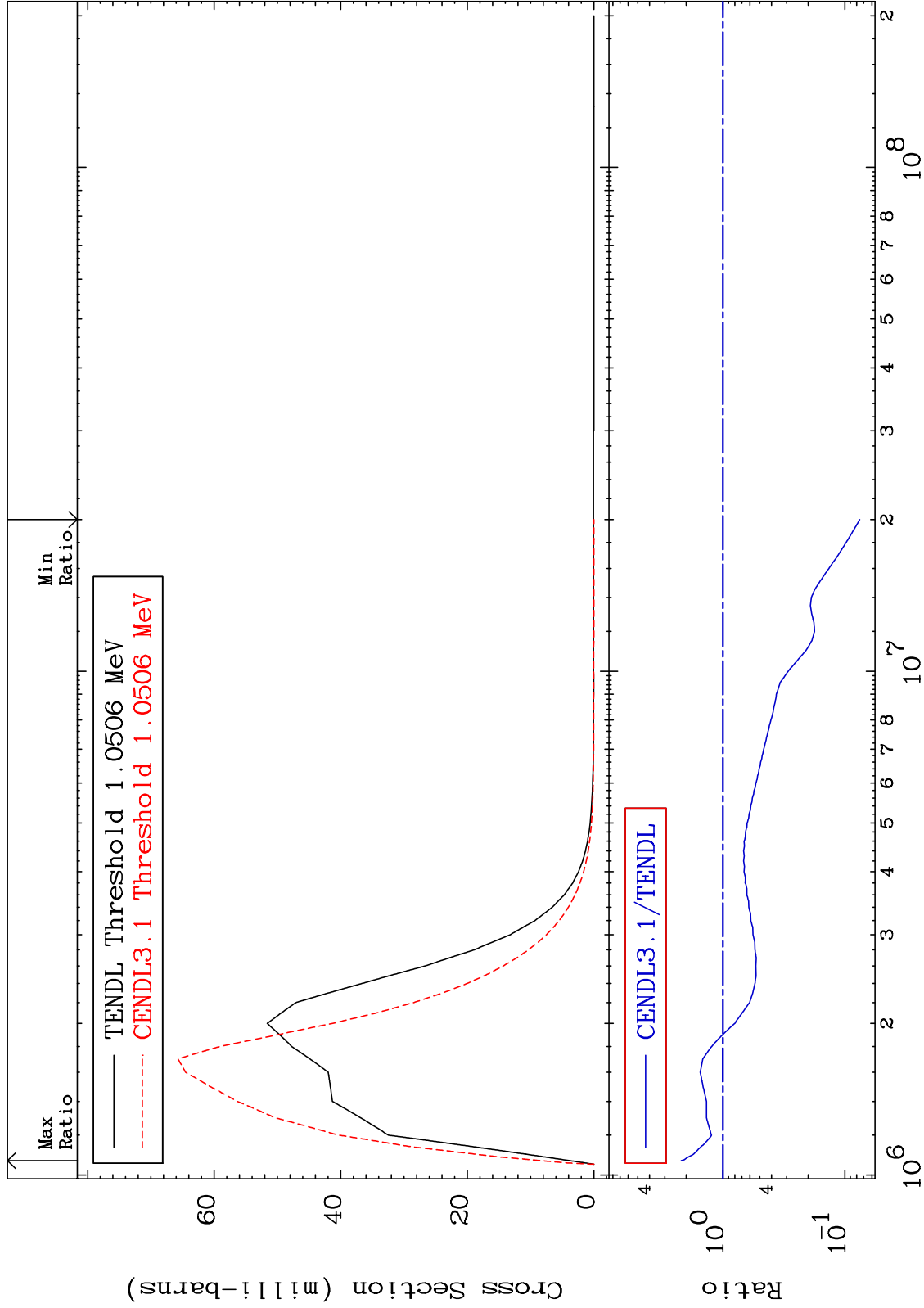


13 Incident Energy (eV) 49-In-115

MAT 4931

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

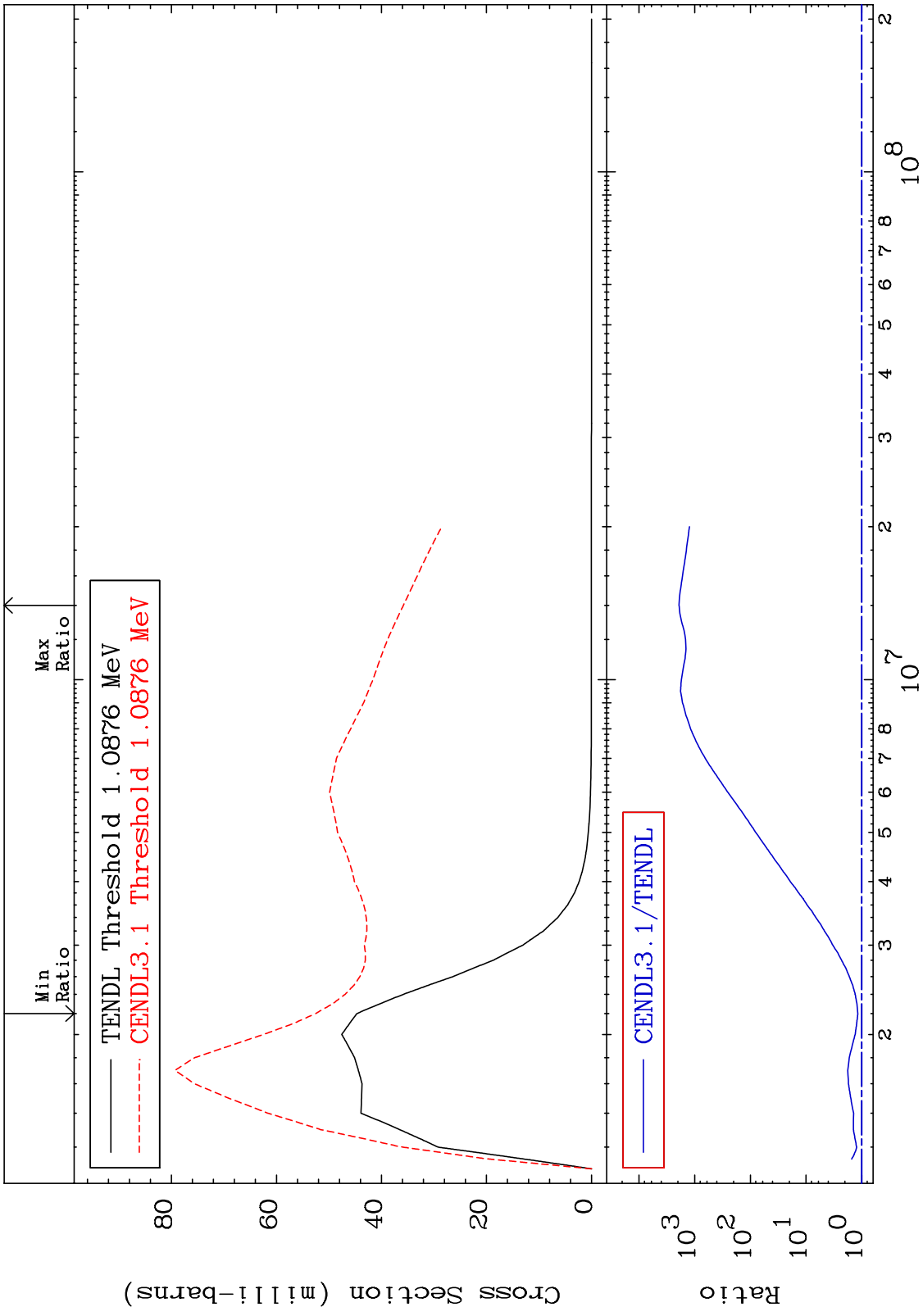
49-In-115
-92.46 To 120.0 %



14

49-In-115

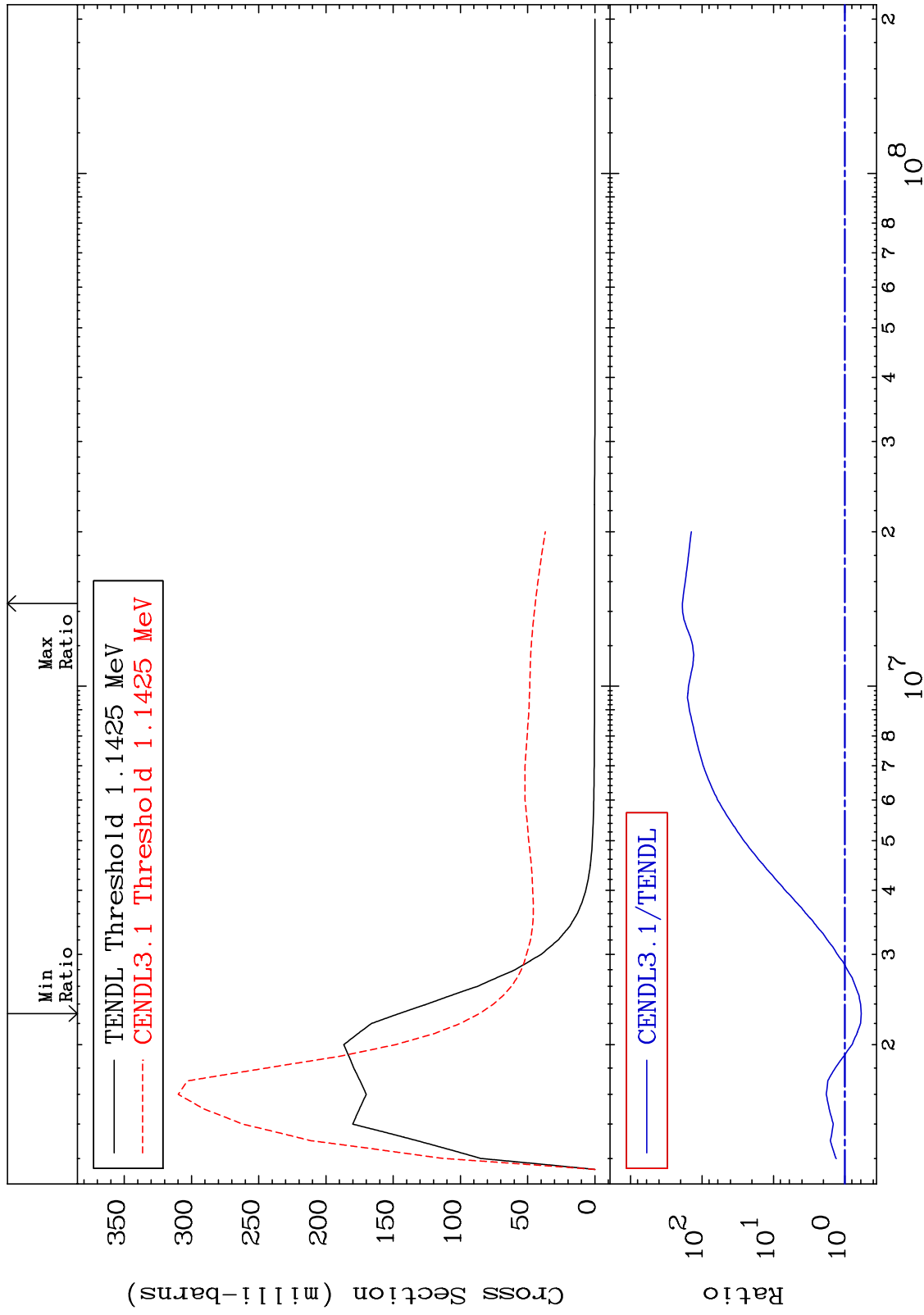
MAT 4931 MT= 58 (n,n') Level 49-In-115
 Cross Section 17.57 To 9999. %



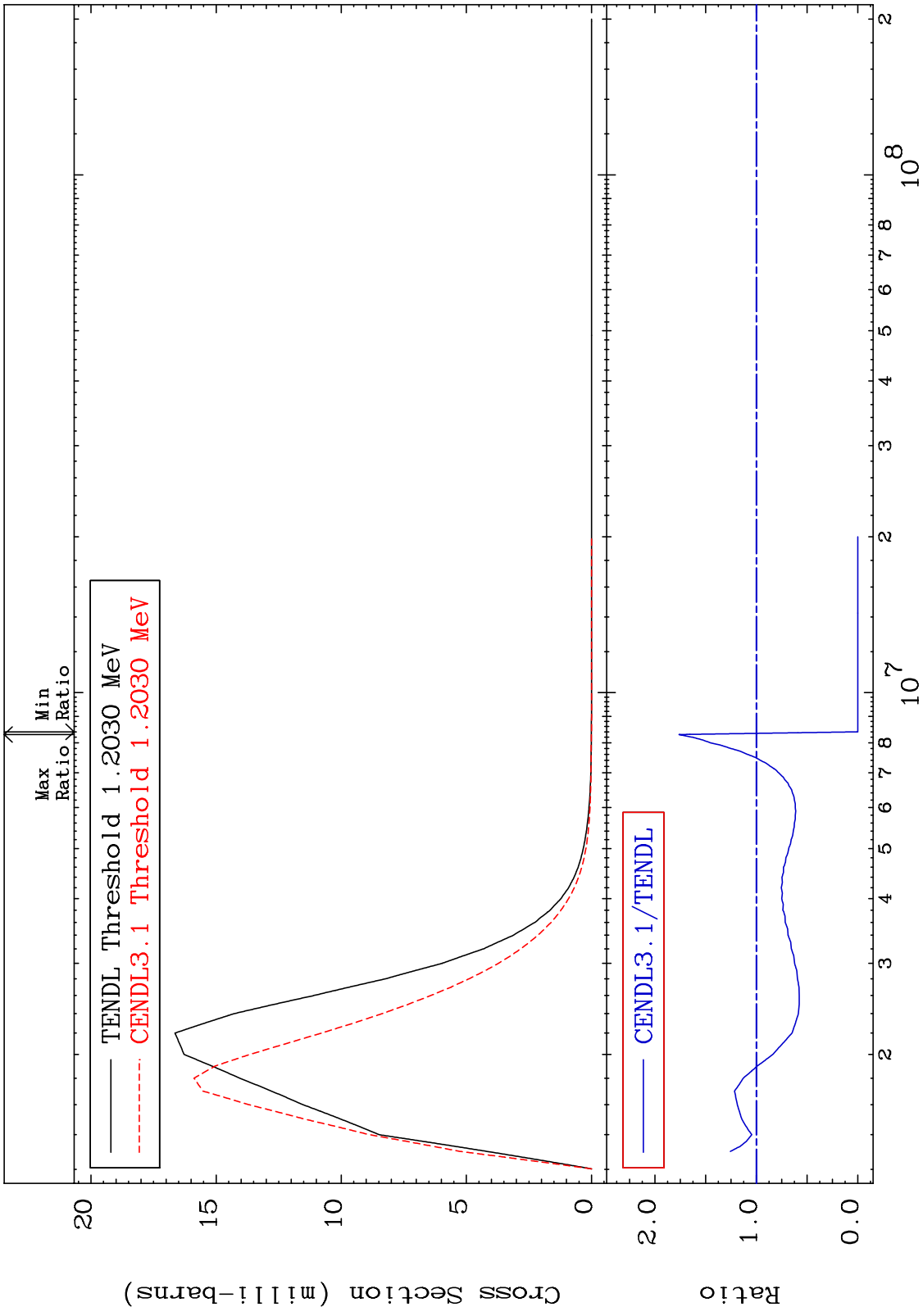
MAT 4931

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

49-In-115
-41.06 To 9999. %



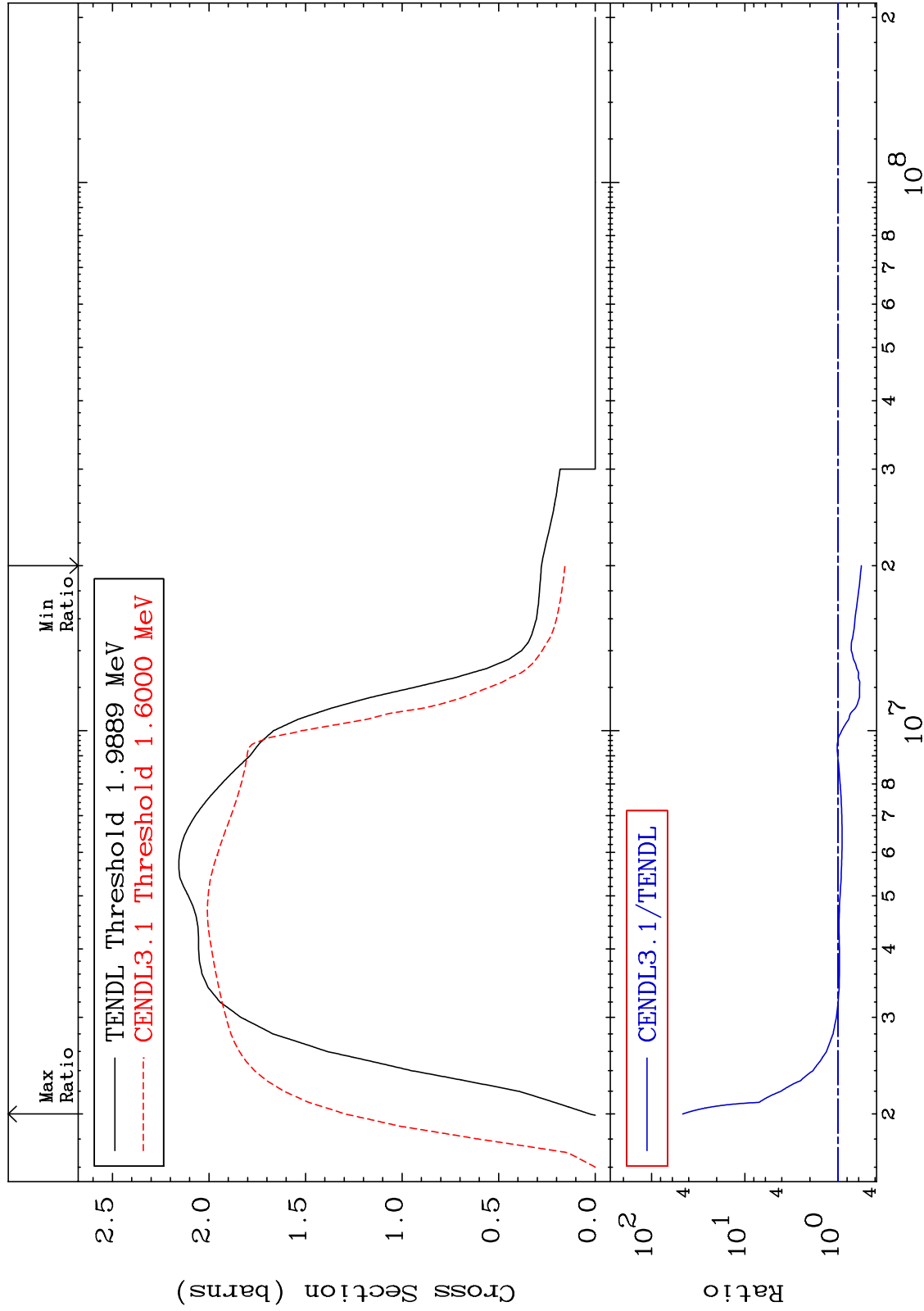
MAT 4931 MT= 60 (n,n') Level Cross Section 49-In-115
 -100.0 To 76.15 %



MAT 4931

(n,n') Continuum
Cross Section

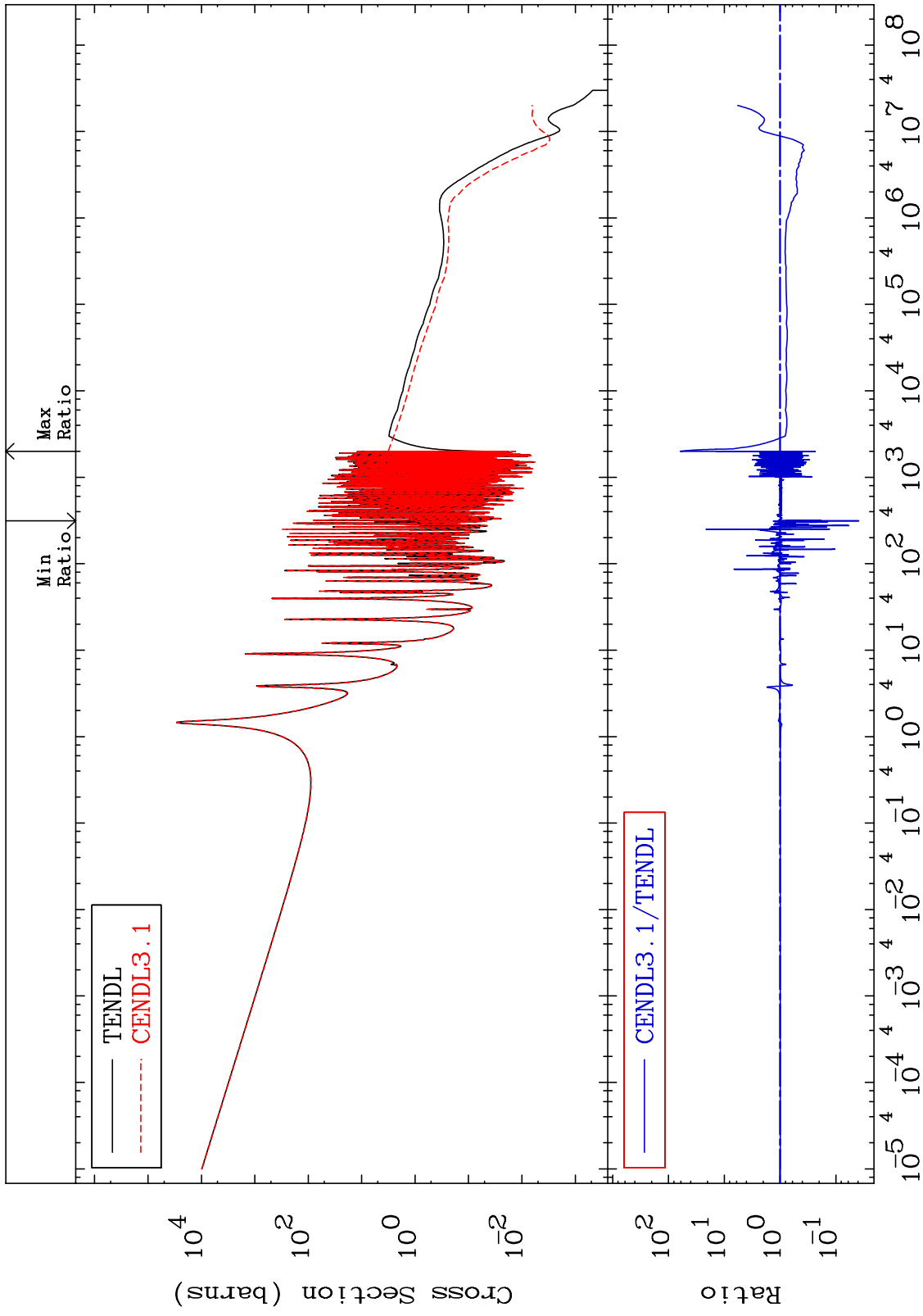
49-In-115
-43.81 To 4536. %



MAT 4931

(n, γ)
Cross Section

49-In-115
-96.10 To 6094. %

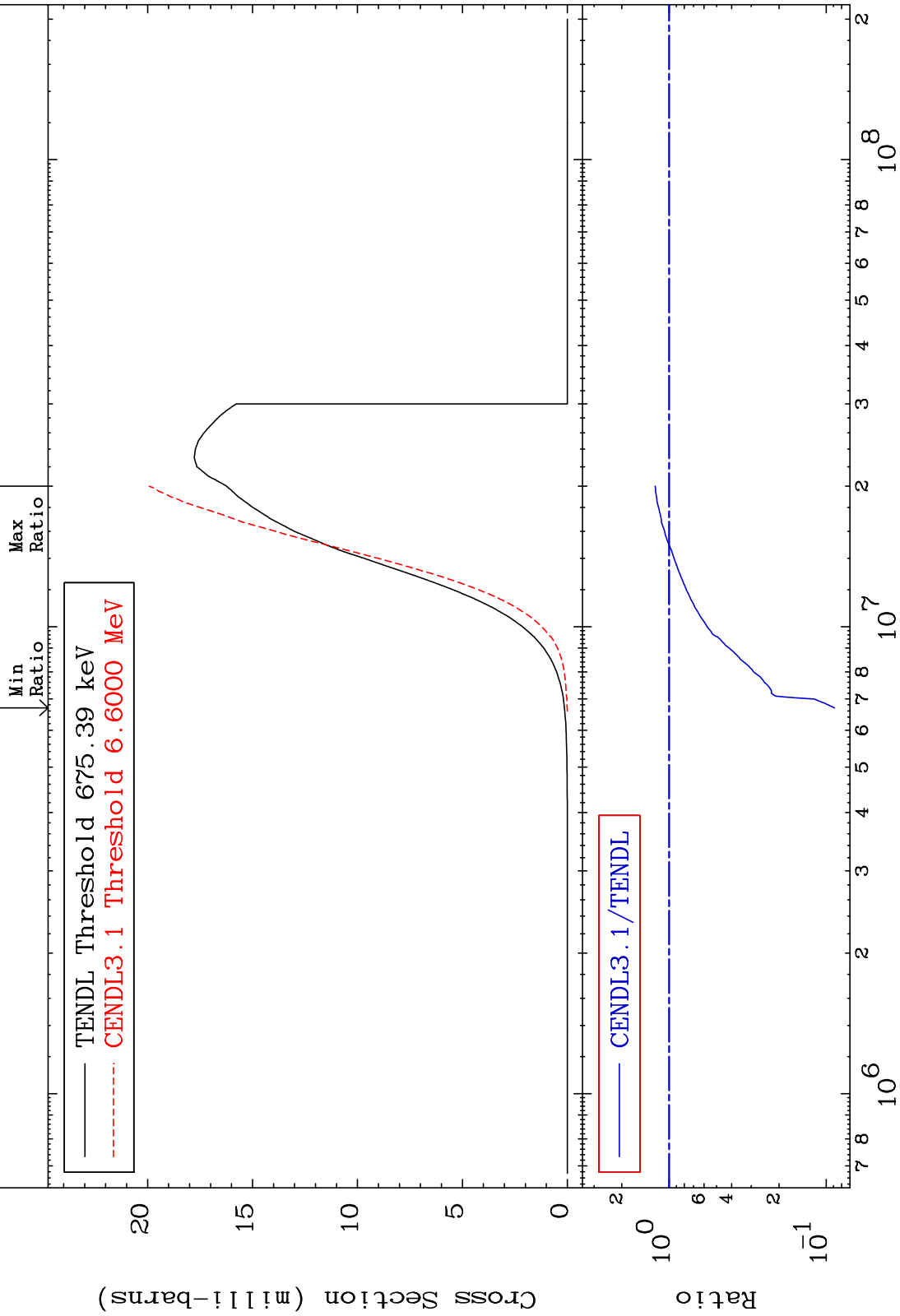


MAT 4931

49-In-115

-91.15 To 22.68 %

(n,p)
Cross Section



20

Incident Energy (eV)

49-In-115

MAT 4931

(n,d)

49-In-115

-99.21 To -42.27%

Cross Section

Min Ratio

Max Ratio

TENDL Threshold 4.6261 MeV
CENDL3.1 Threshold 14.000 MeV

Cross Section (milli-barns)

20

15

10

5

0

10^0

Ratio

10^{-1}

10^{-2}

10^7

10^8

2

21

Incident Energy (eV)

49-In-115

CENDL3.1/TENDL

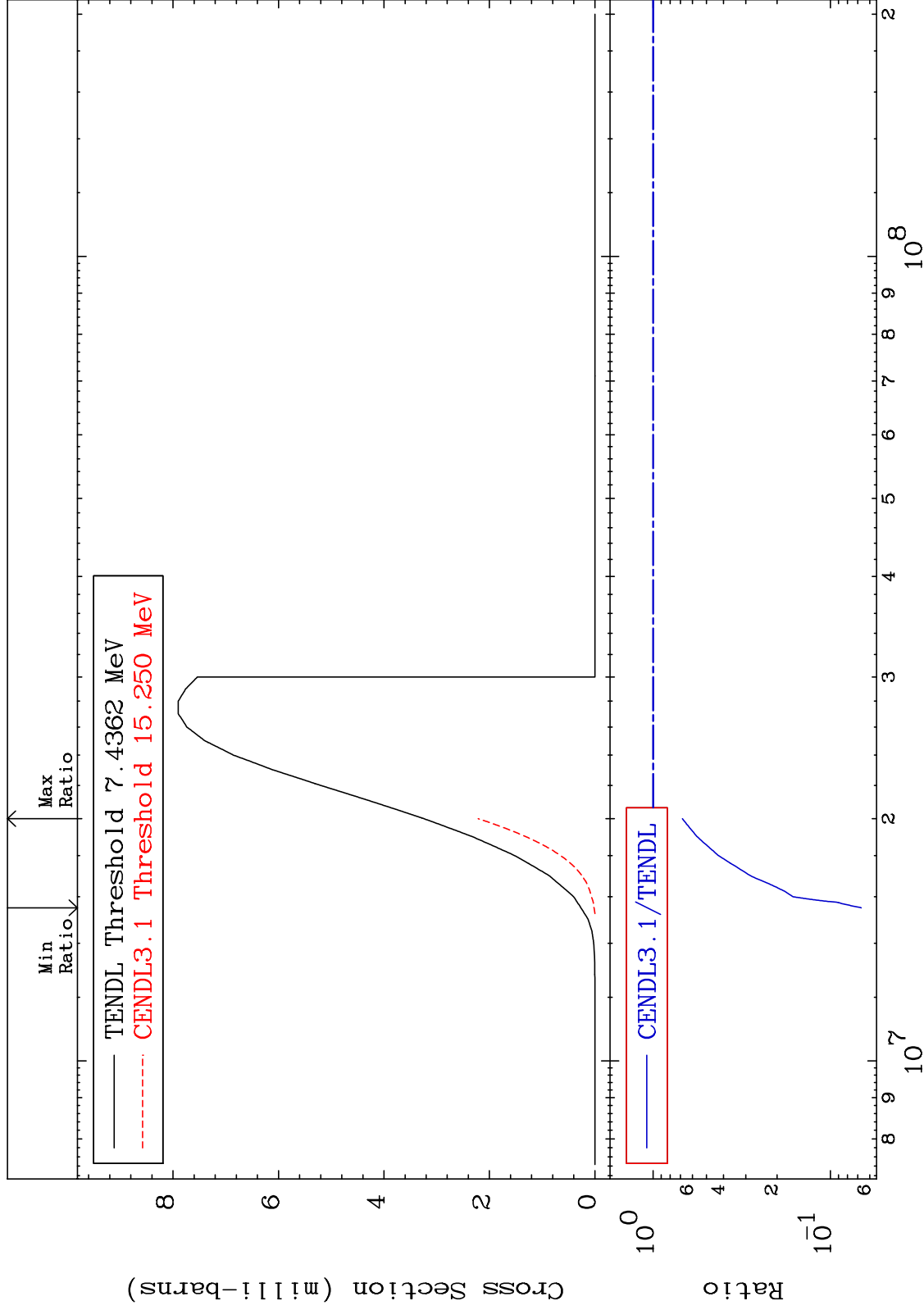
MAT 4931

(n,t)

49-In-115

Cross Section

-93.31 To -31.76%



22

Incident Energy (eV)

49-In-115

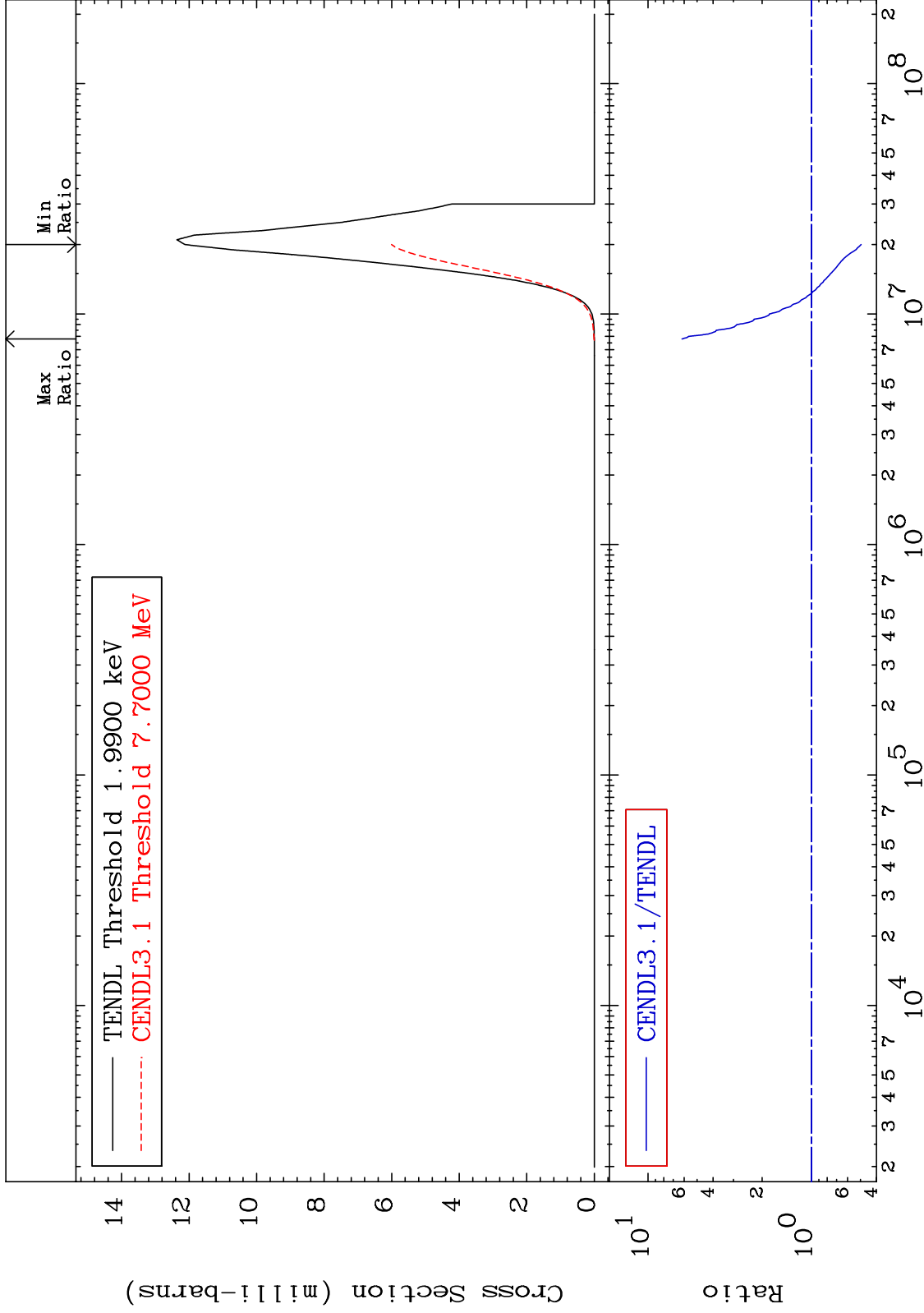
MAT 4931

(n, α)

49-In-115

Cross Section

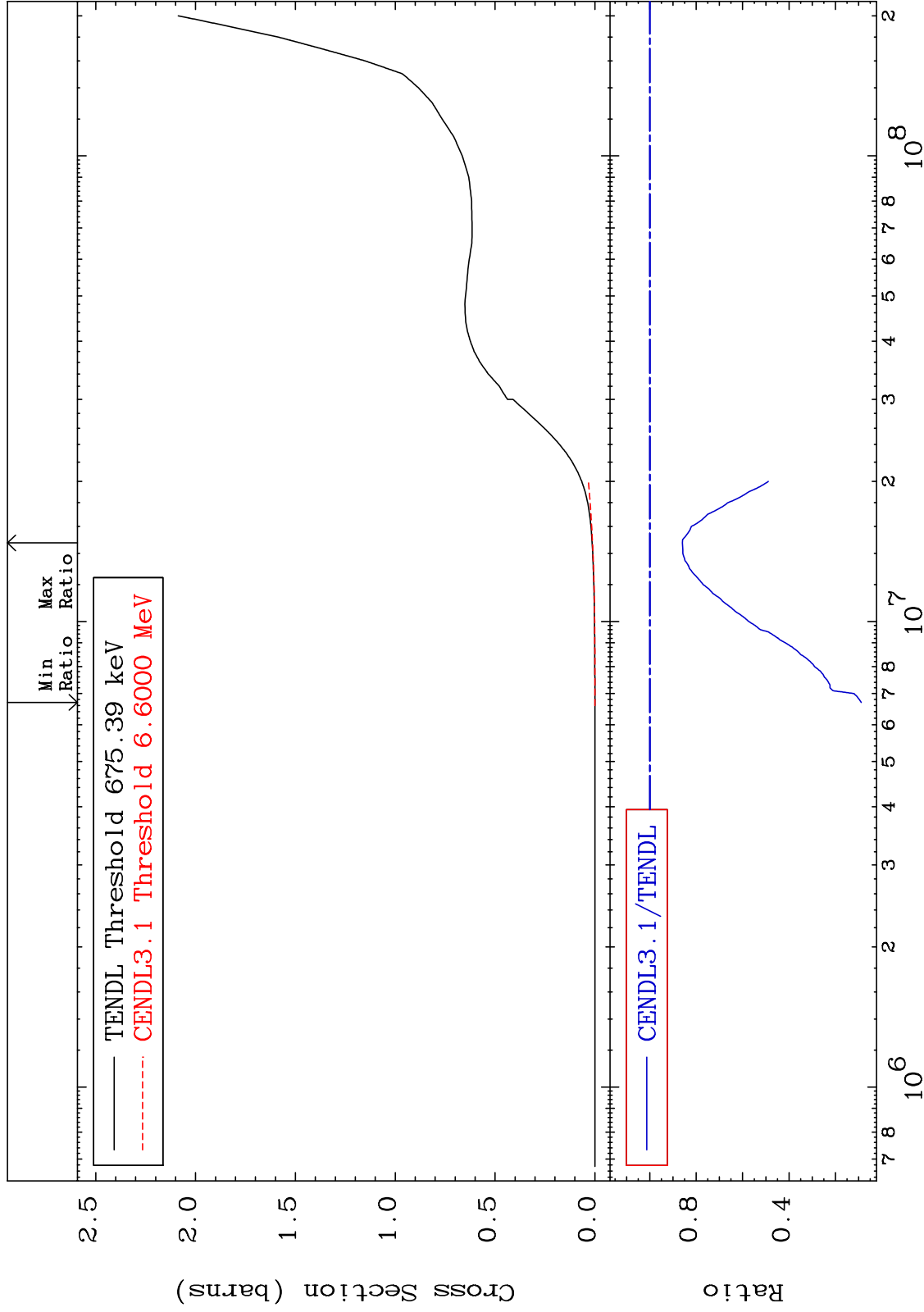
-50.48 To 519.0 %



MAT 4931

Hydrogen Production
Cross Section

49-In-115
-91.15 To -14.07%



24

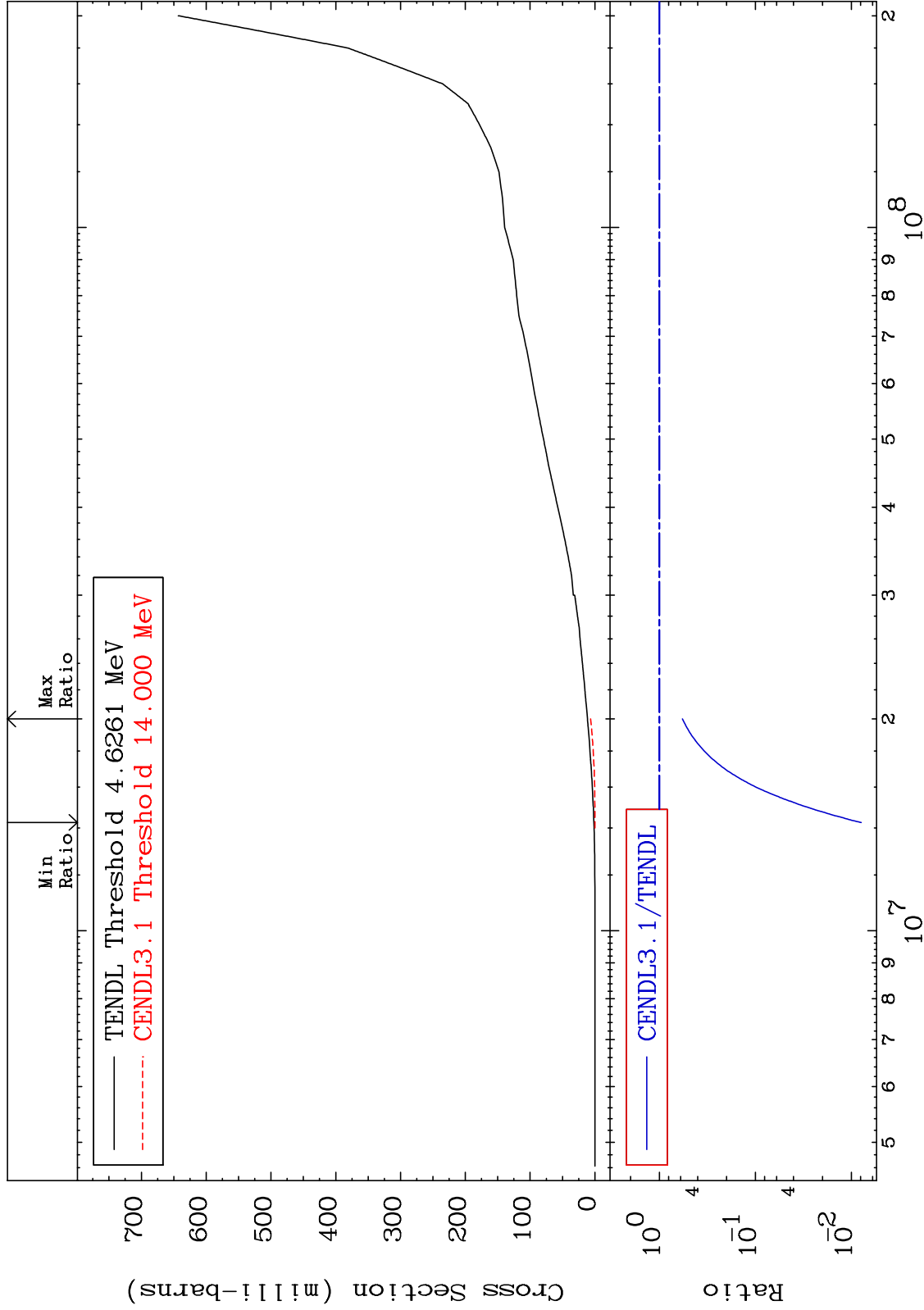
Incident Energy (eV)

49-In-115

MAT 4931

Deuterium Production
Cross Section

49-In-115
-99.21 To -42.47%



25

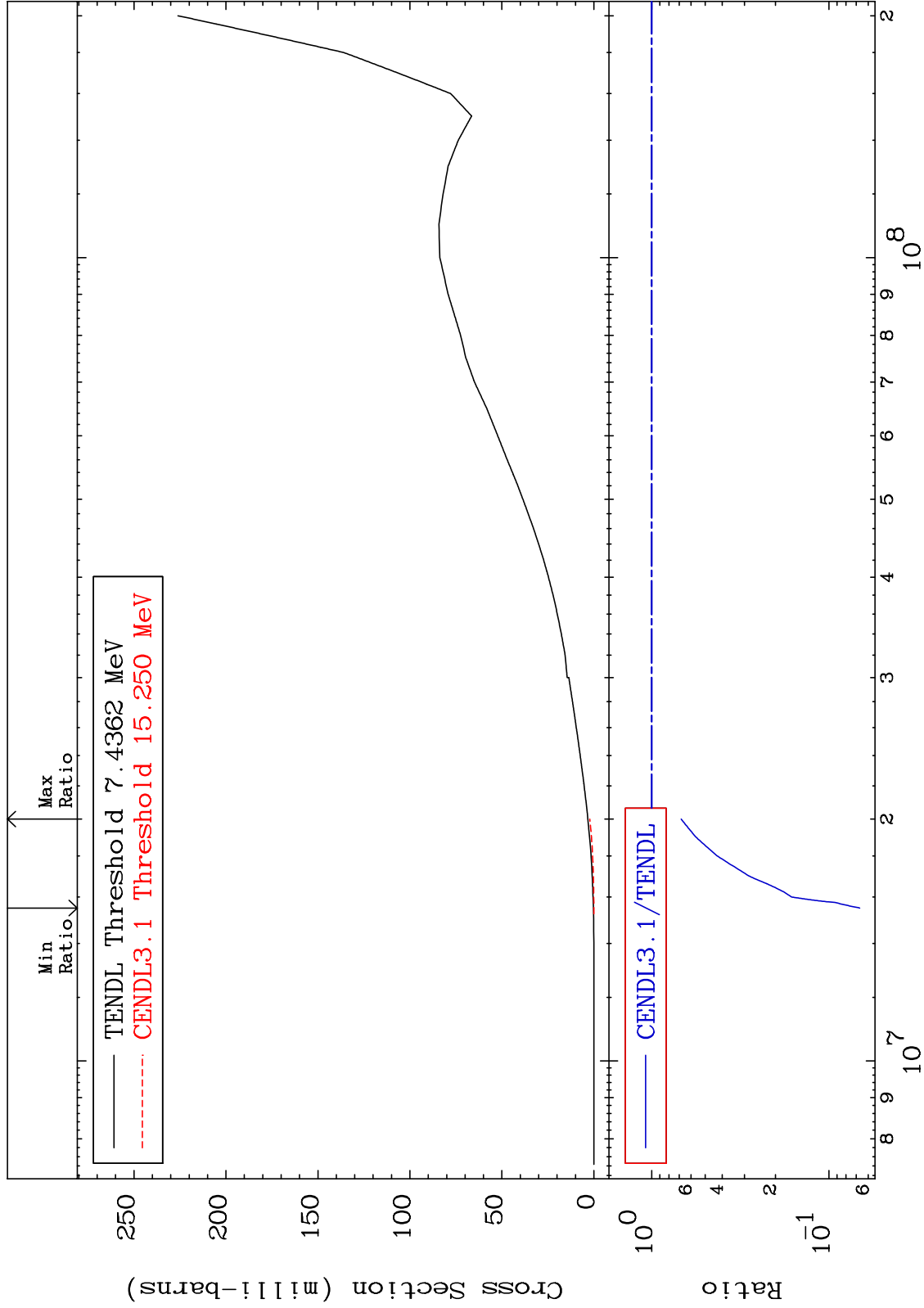
Incident Energy (eV)

49-In-115

MAT 4931

Tritium Production
Cross Section

49-In-115
-93.31 To -31.82%



26

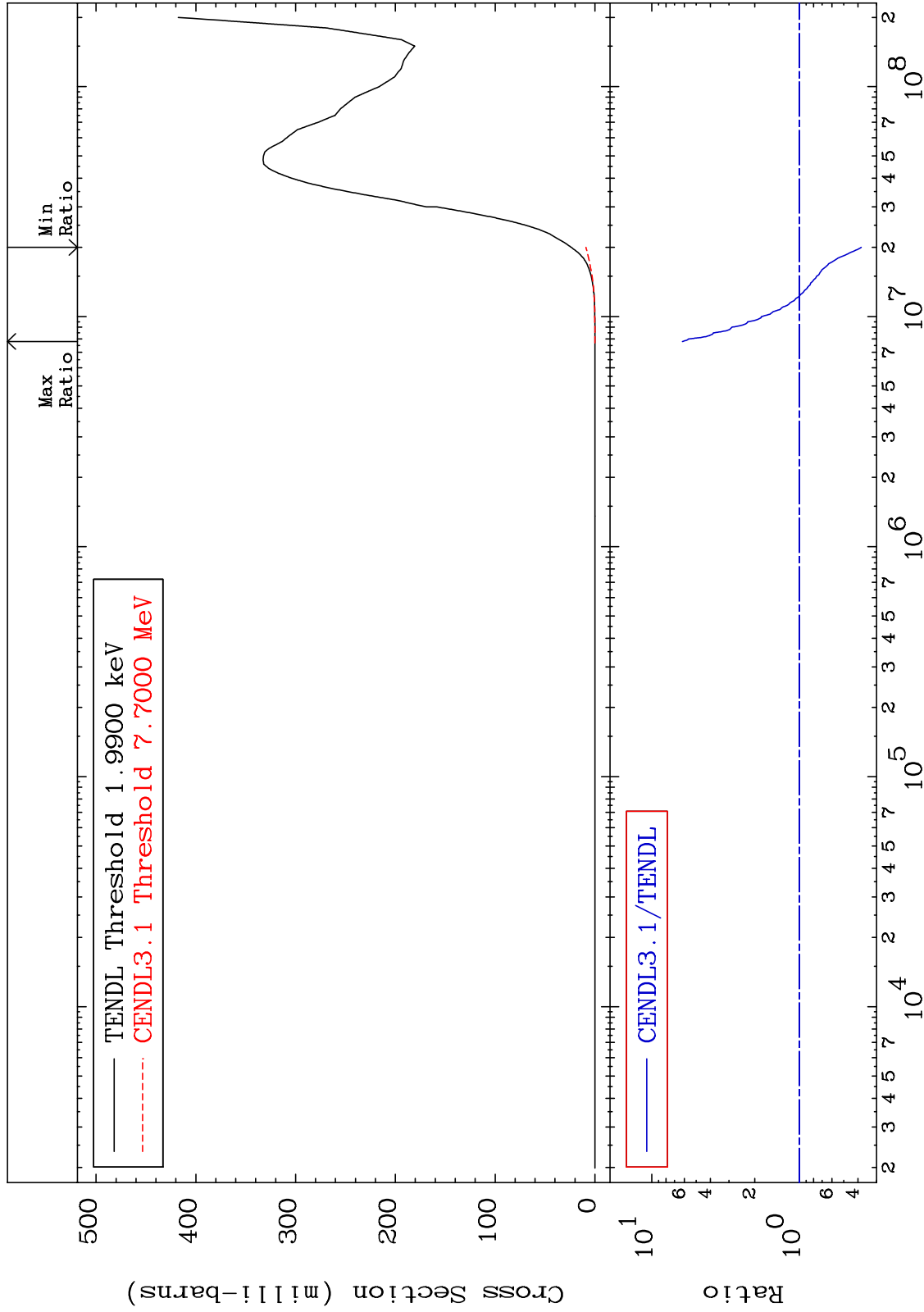
Incident Energy (eV)

49-In-115

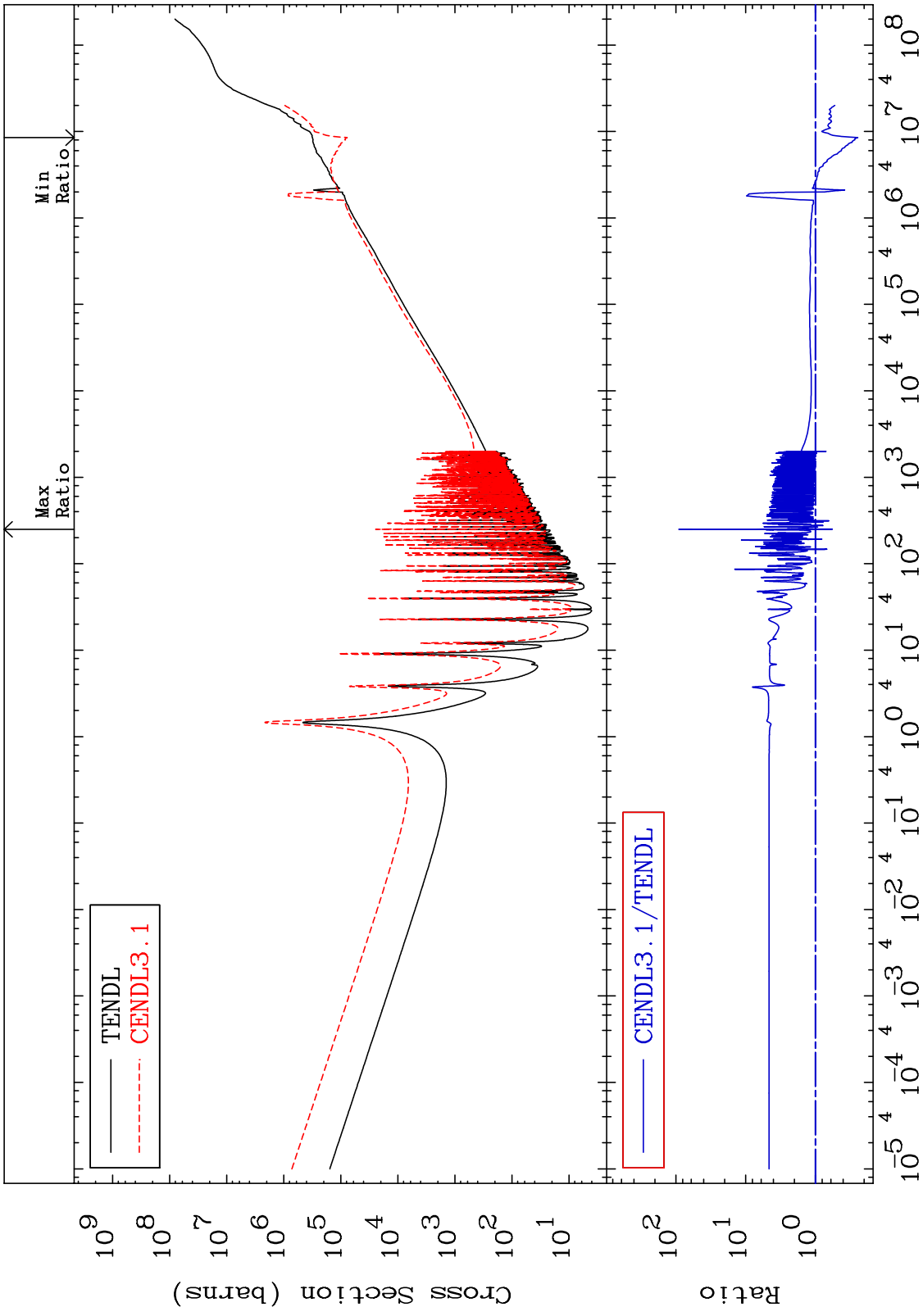
MAT 4931

He-4 Production
Cross Section

49-In-115
-61.99 To 519.0 %



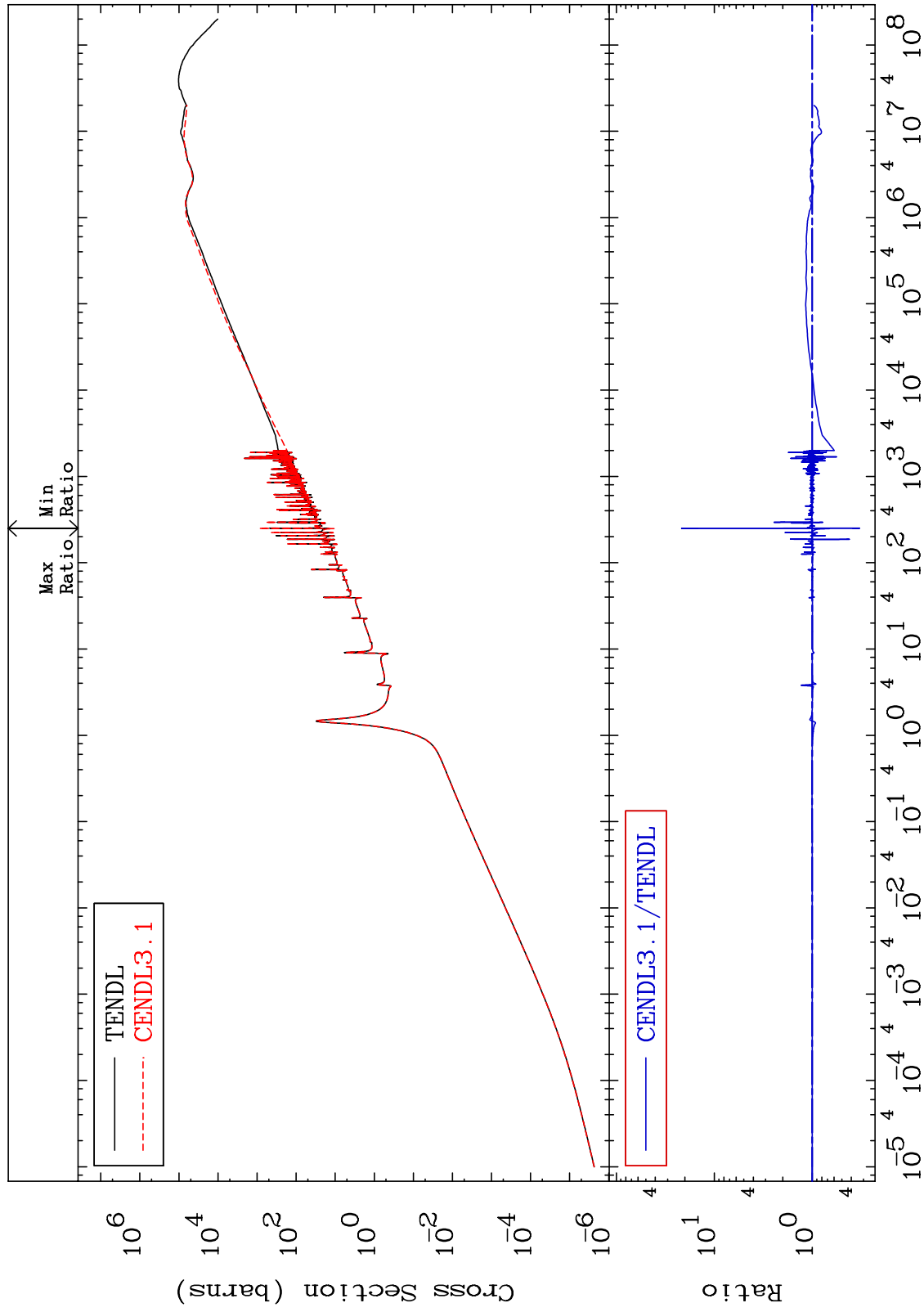
MAT 4931 Kerma total (eV-barns) 49-In-115
 Cross Section -75.38 To 8899. %



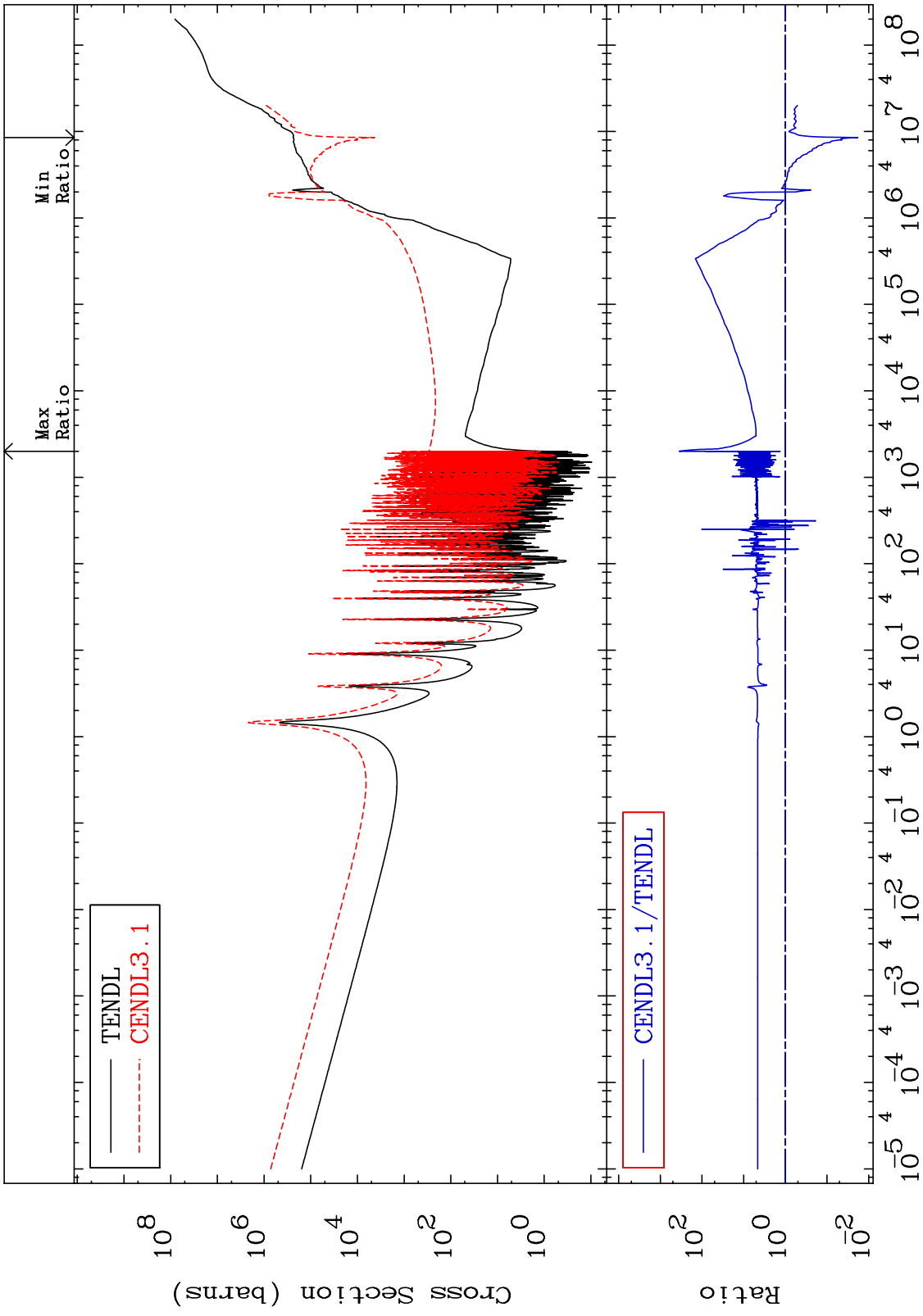
MAT 4931

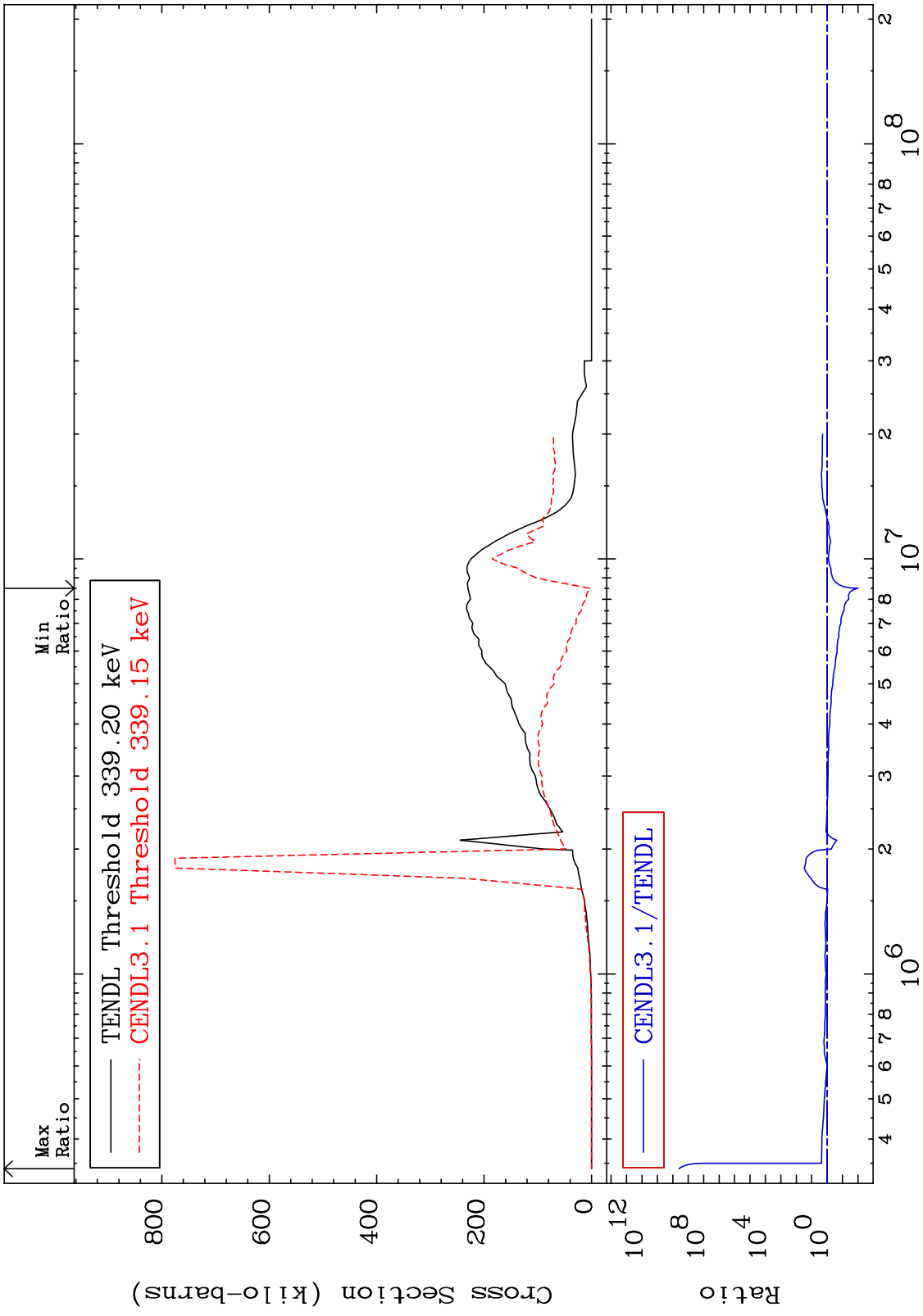
Kerma elastic
Cross Section

49-In-115
-67.23 To 2064. %



MAT 4931 Kerma non-elastic (all but mt2) 49-In-115
 Cross Section -98.19 To 9999. %

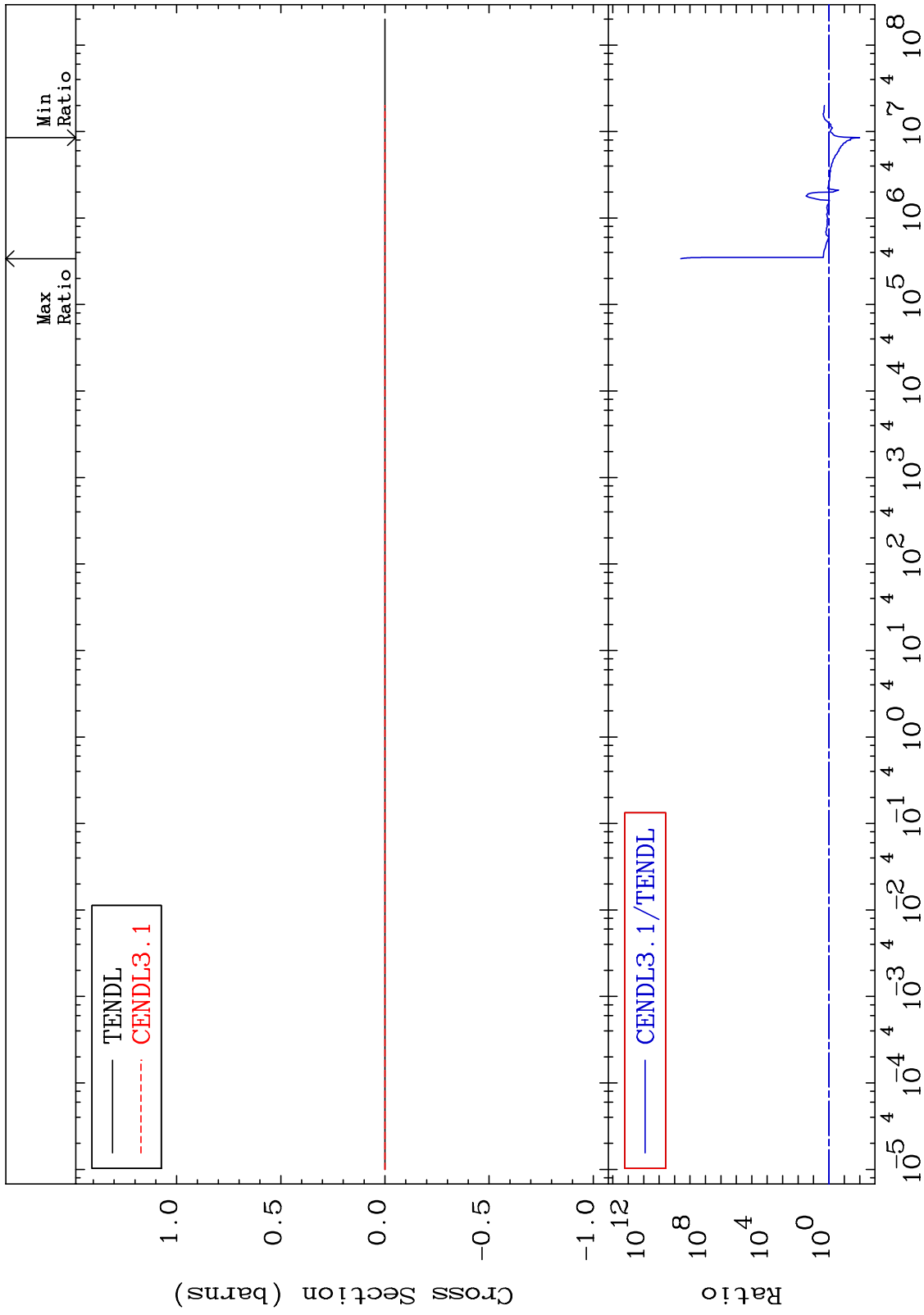




MAT 4931

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

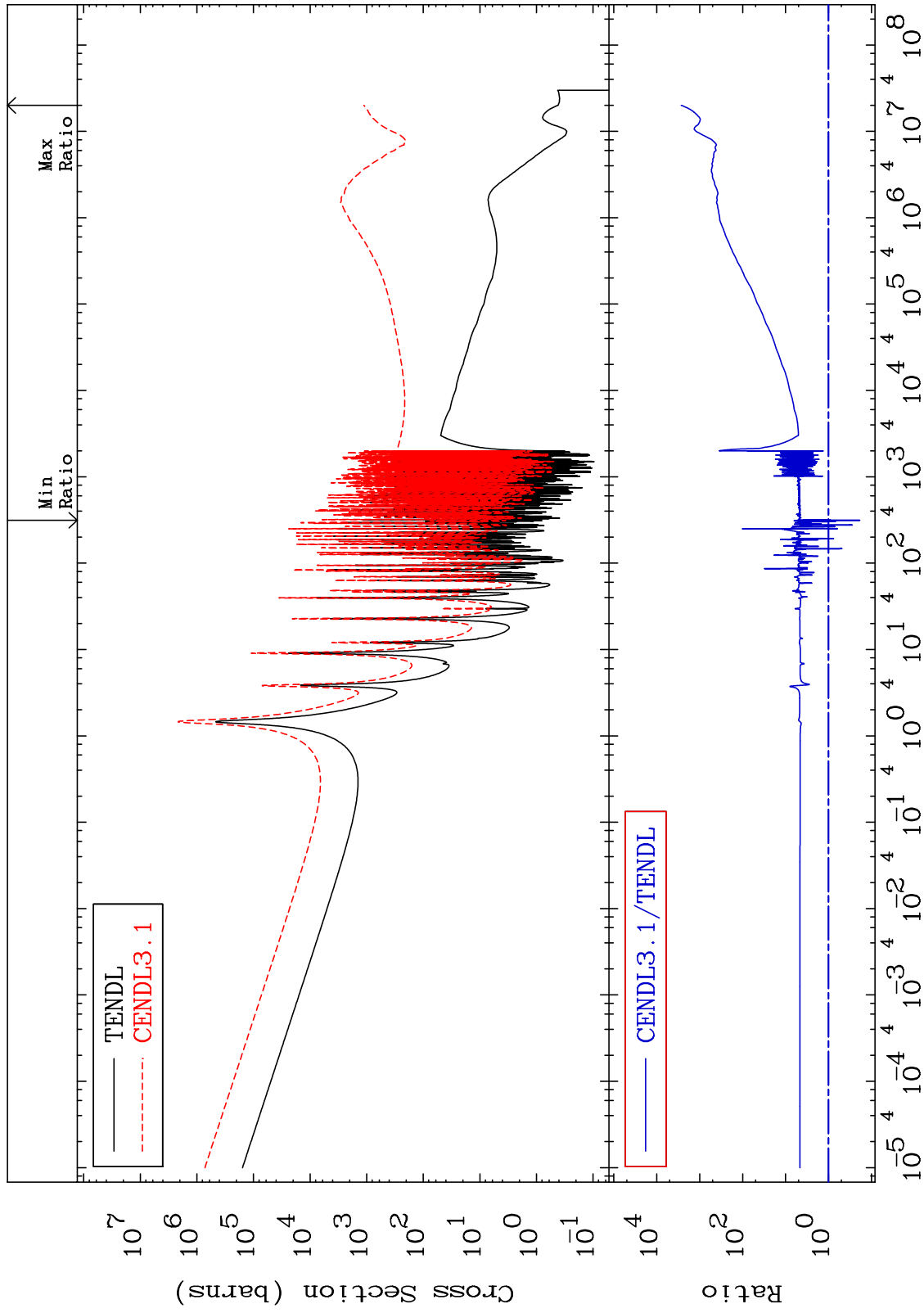
49-In-115
-98.97 To 9999. %



MAT 4931

Kerma capture (mt102)
Cross Section

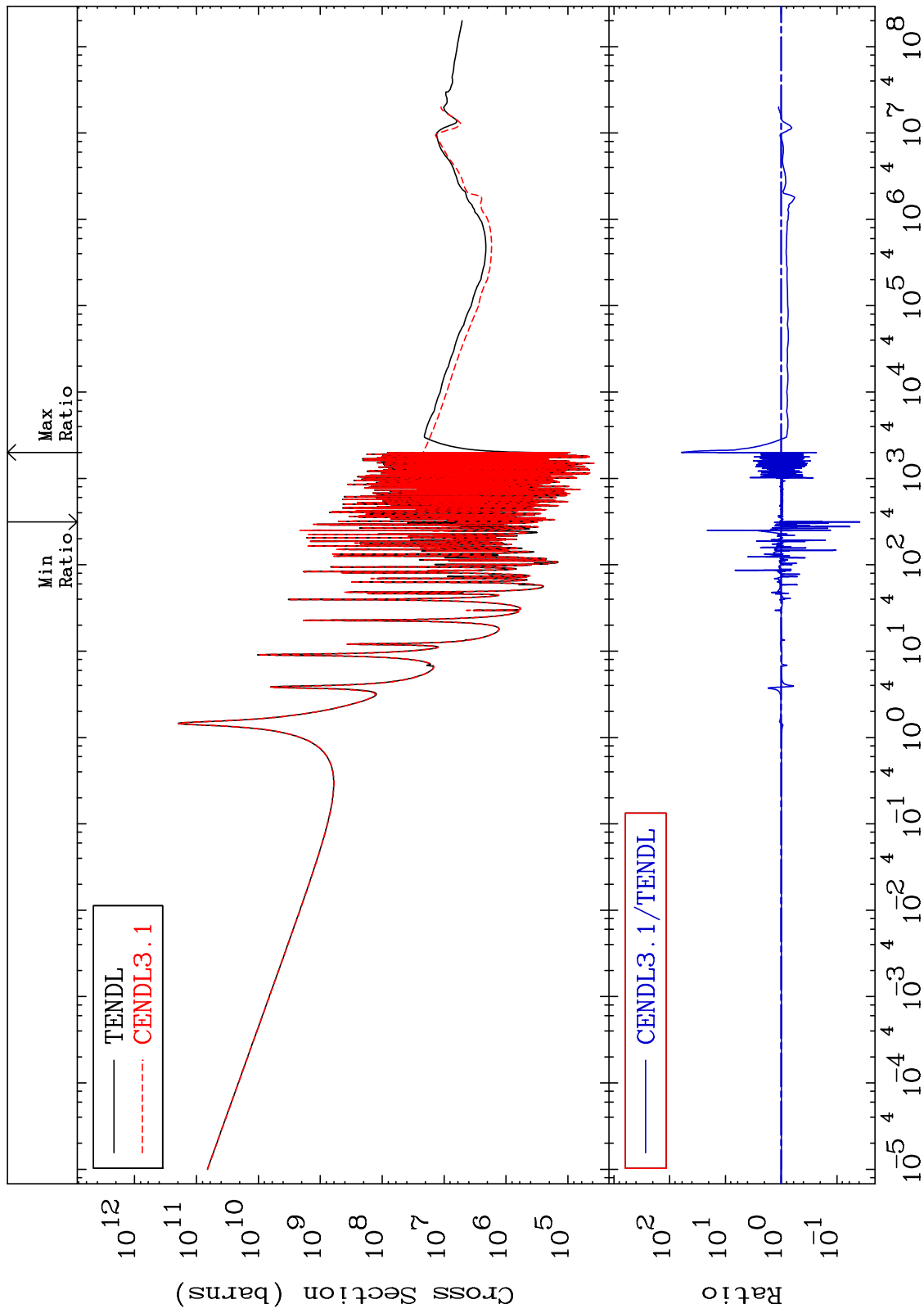
49-In-115
-81.26 To 9999. %



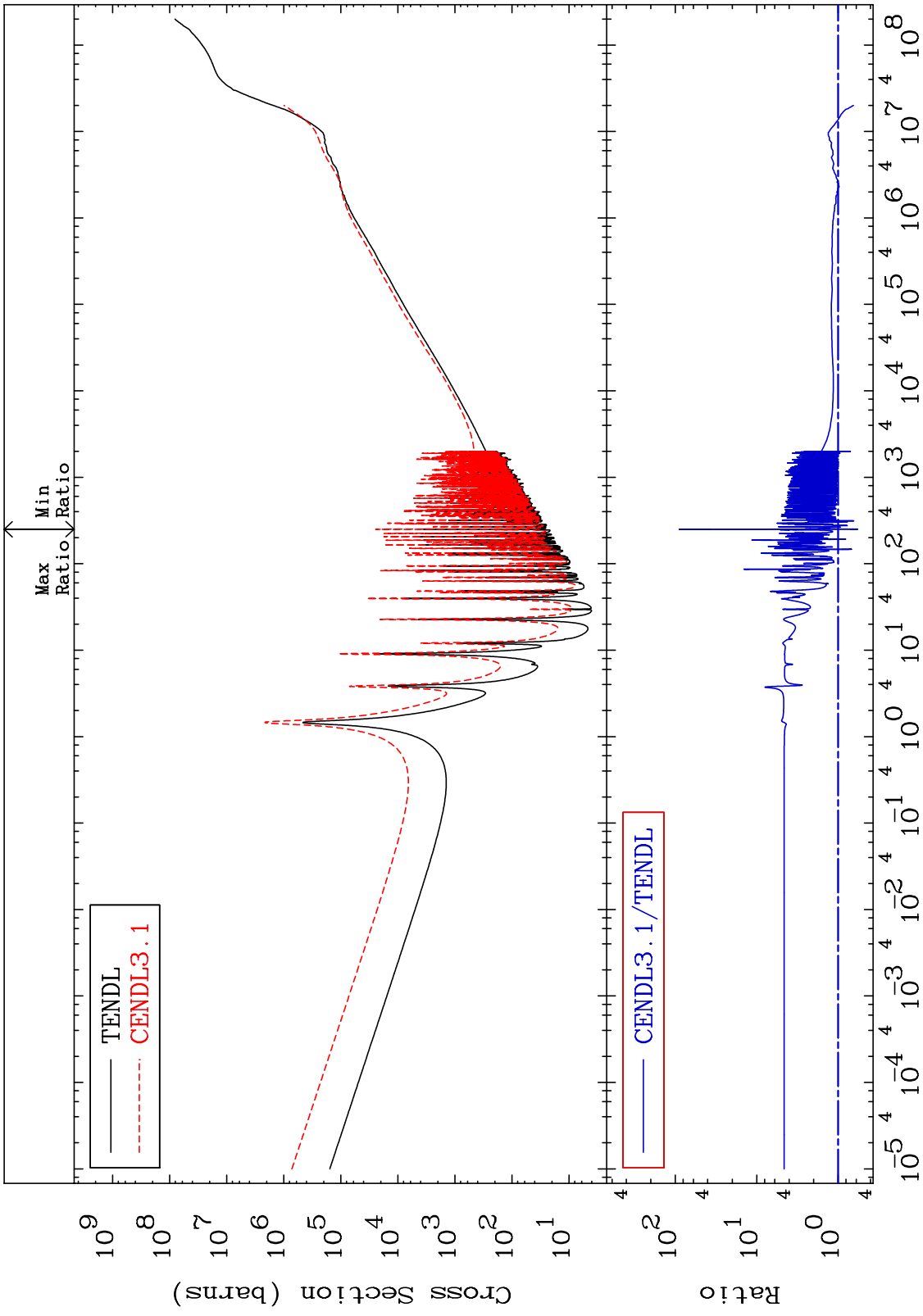
MAT 4931

Total photon (eV-barns)
Cross Section

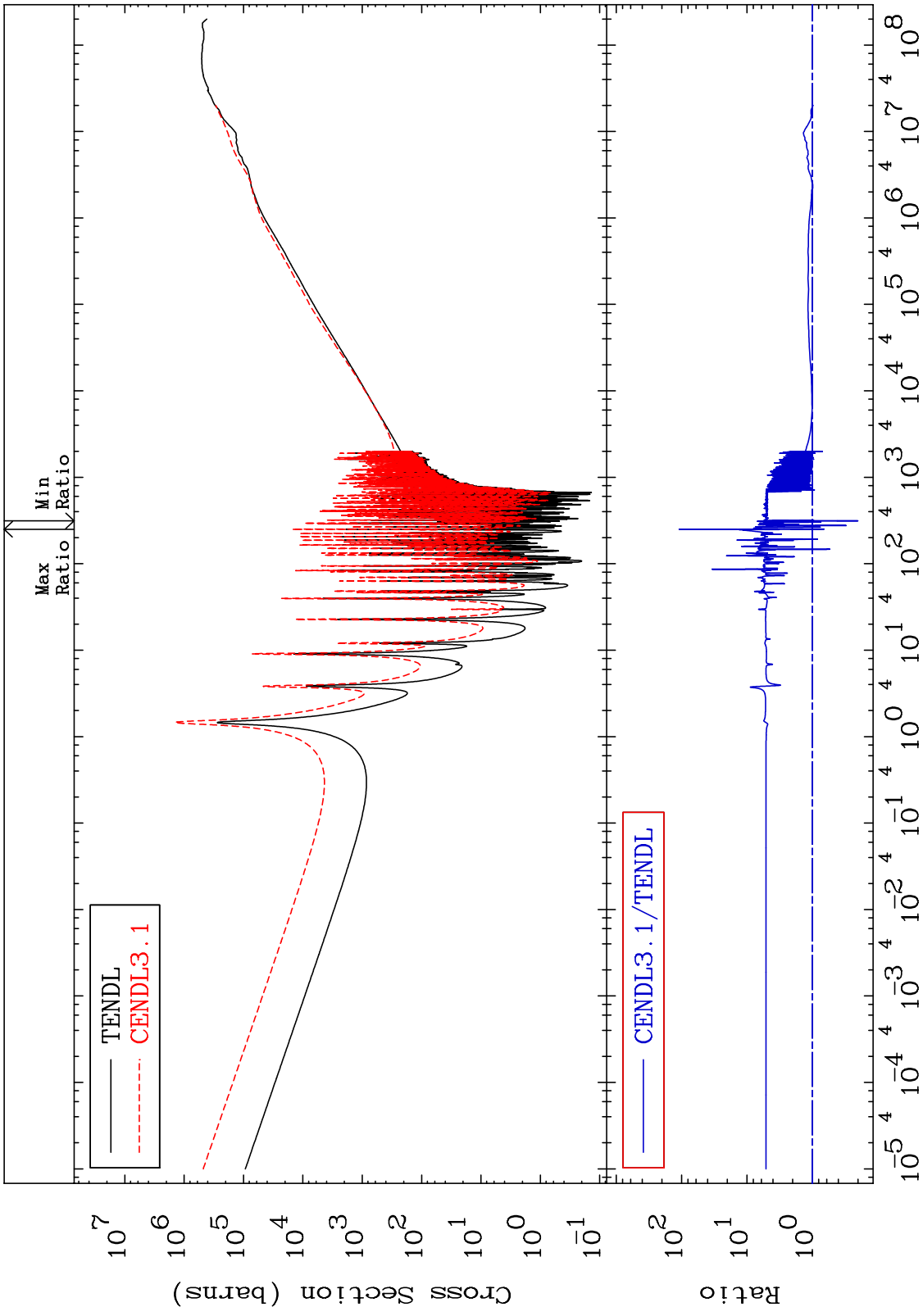
49-In-115
-96.10 To 6094. %



MAT 4931 Total kinematic kerma (high limit) 49-In-115
 Cross Section -42.78 To 8899. %



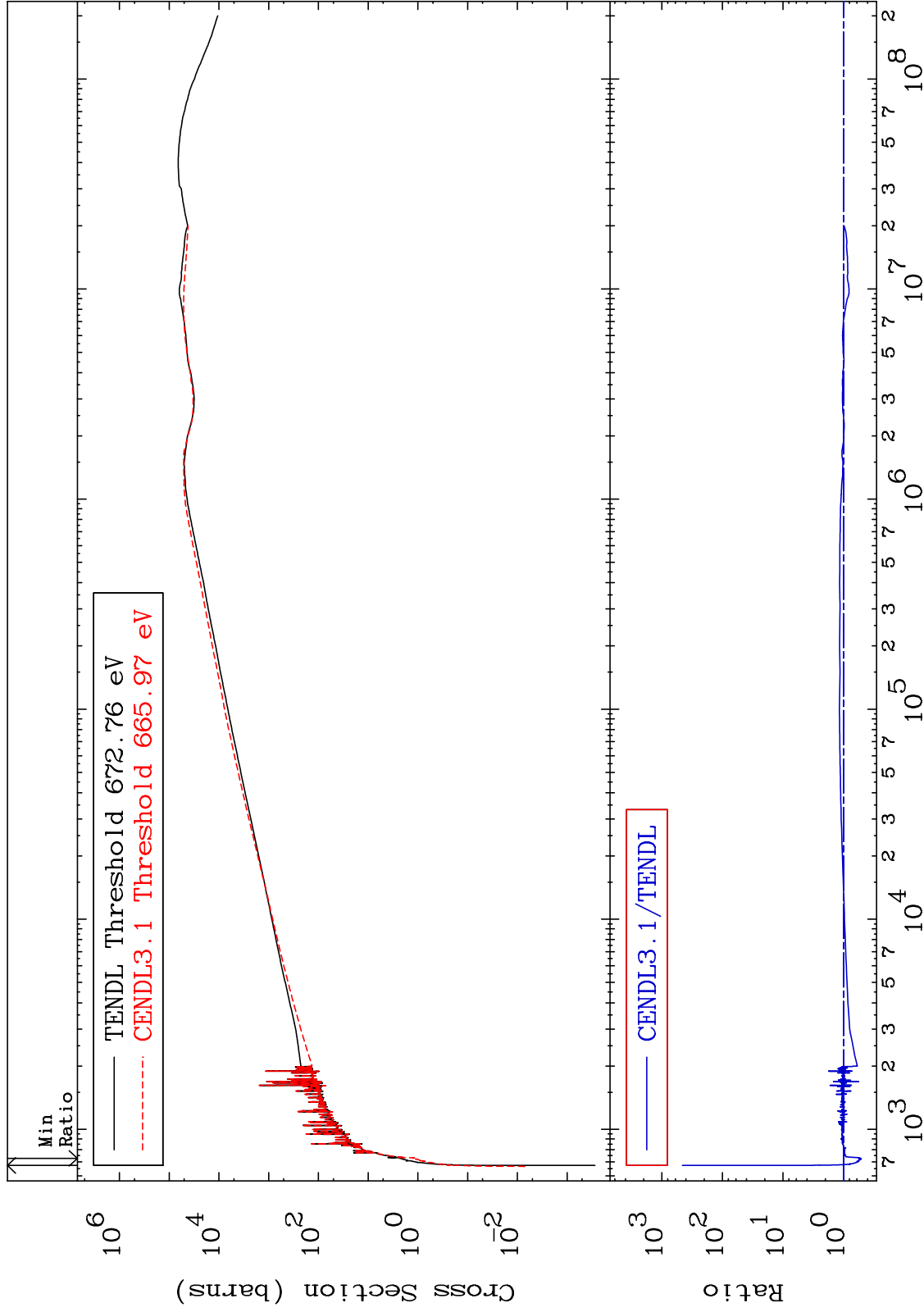
MAT 4931 Dpa total (eV-barns) 49-In-115
 Cross Section -79.90 To 9999. %



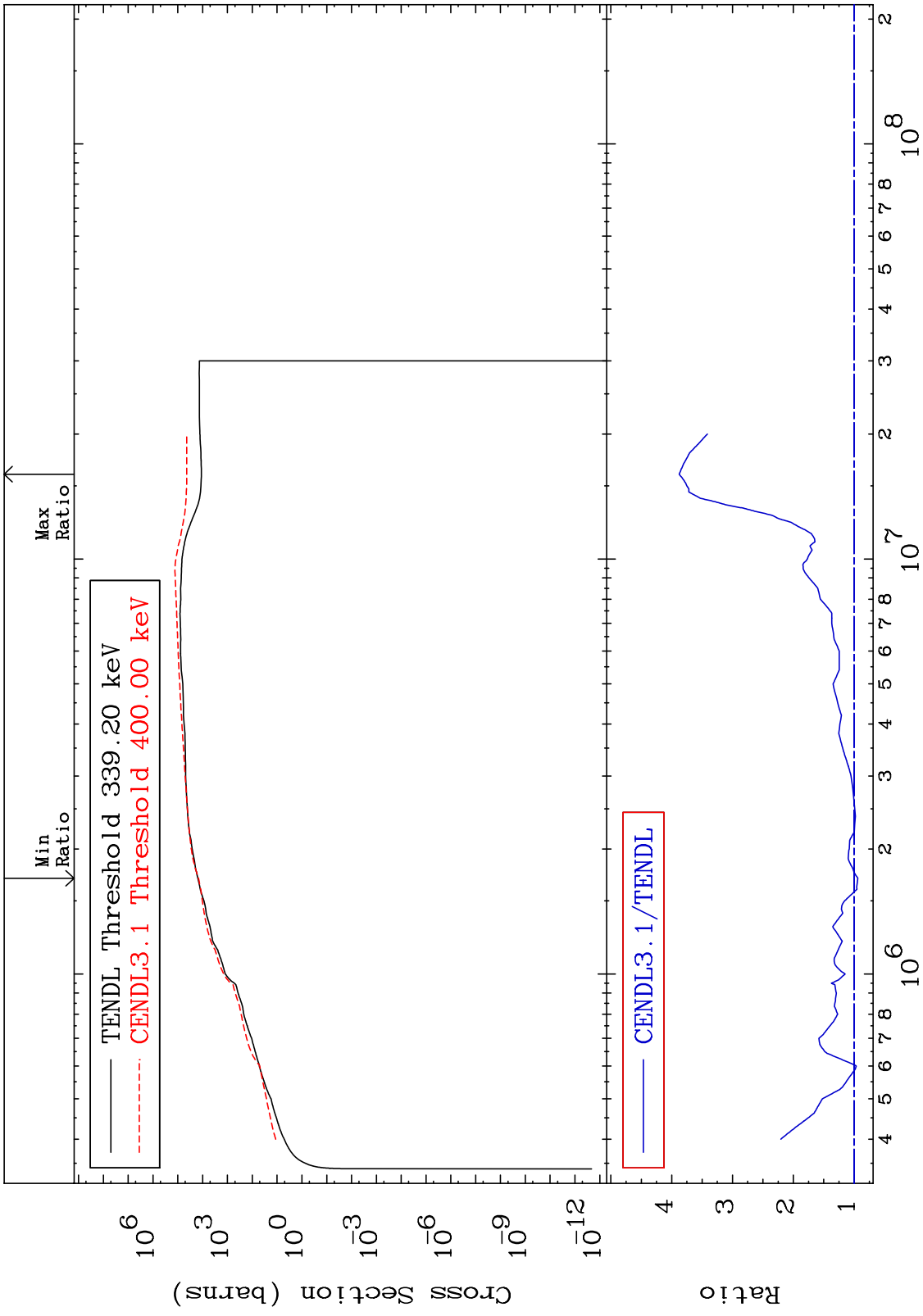
MAT 4931

Dpa elastic (mt2)
Cross Section

49-In-115
-49.15 To 9999. %



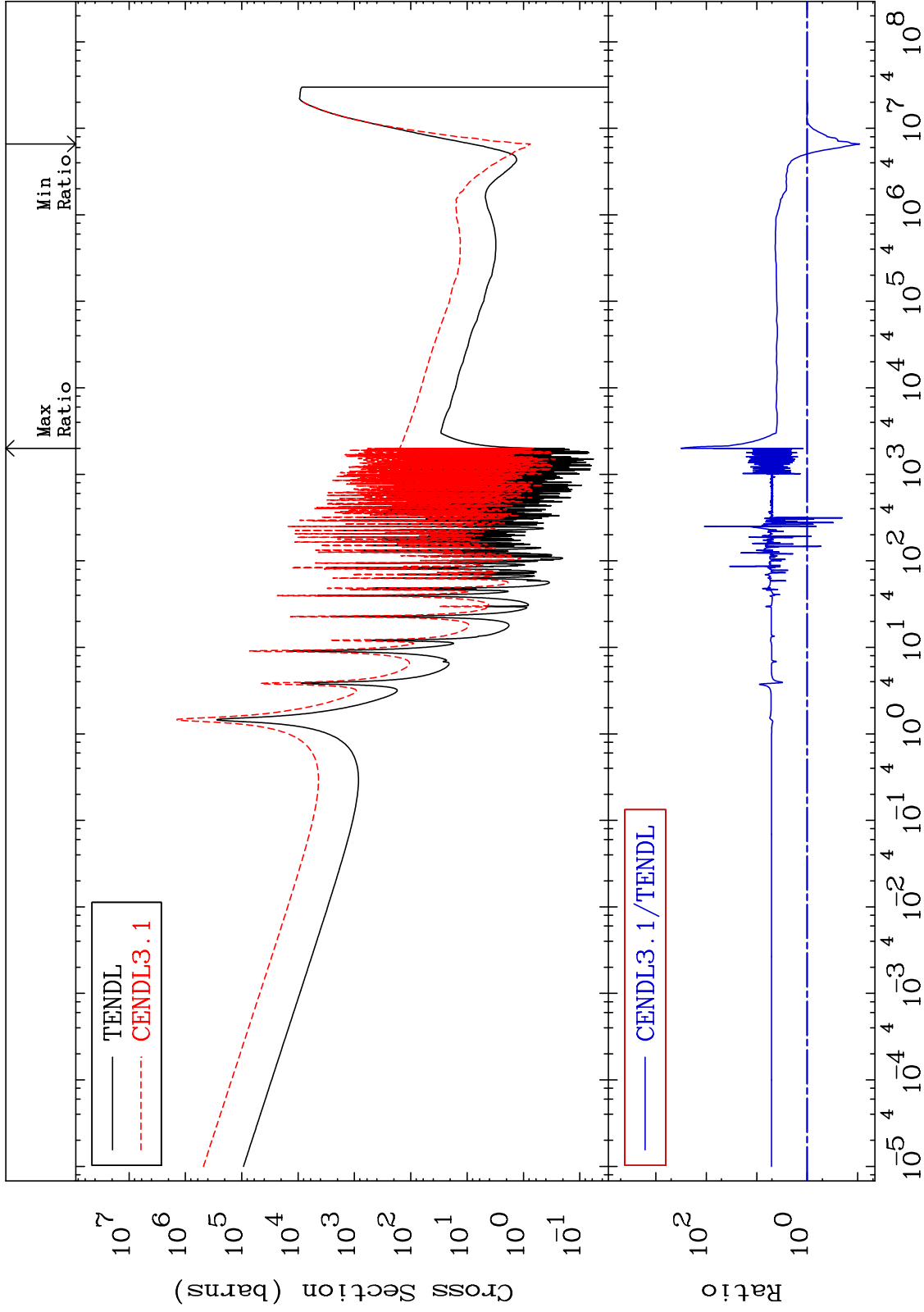
MAT 4931 Dpa inelastic (mt51-91) 49-In-115
 Cross Section -6.066 To 287.9 %



MAT 4931

Dpa disappearance (mt102 -120)
Cross Section

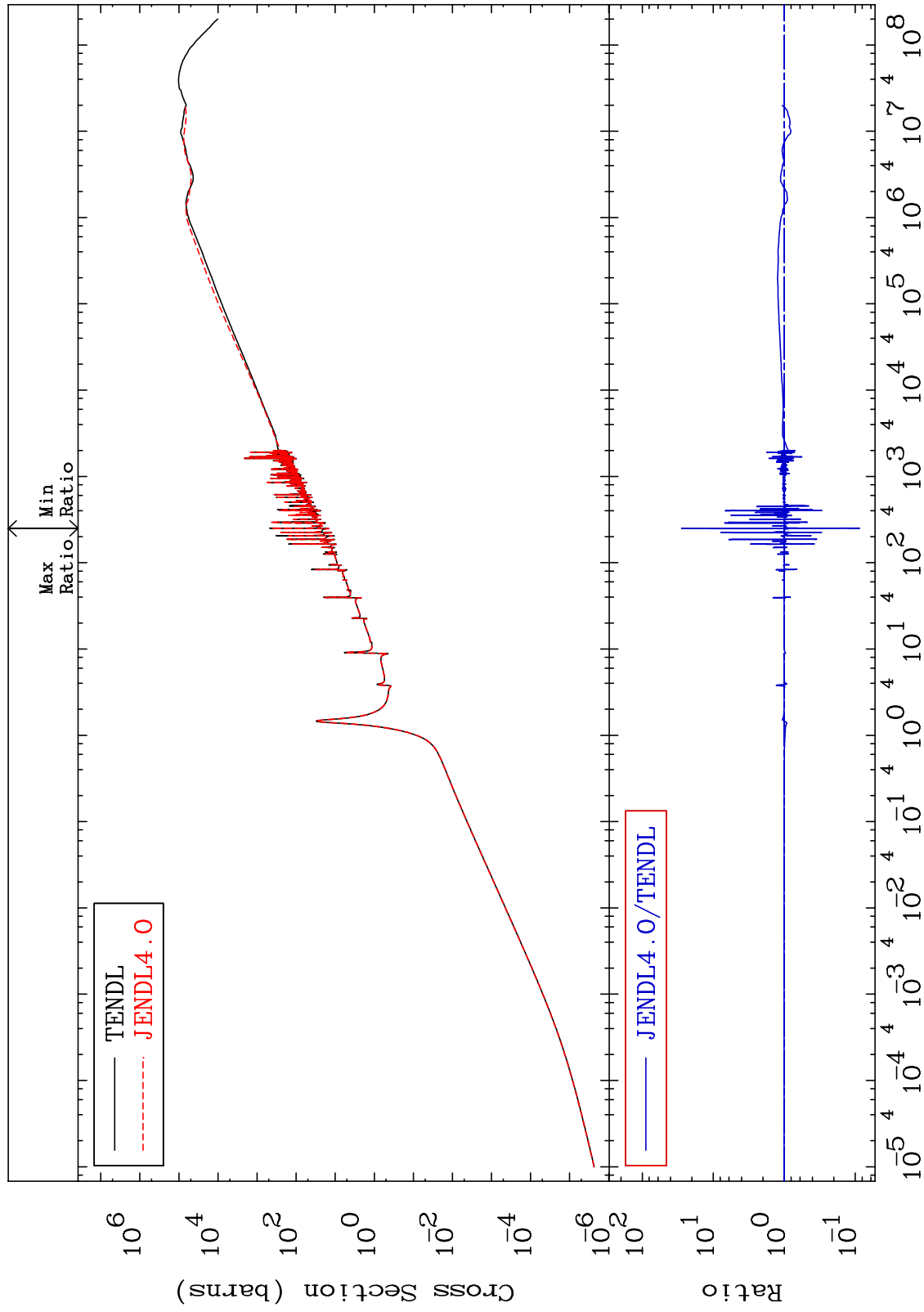
49-In-115
-90.87 To 9999. %



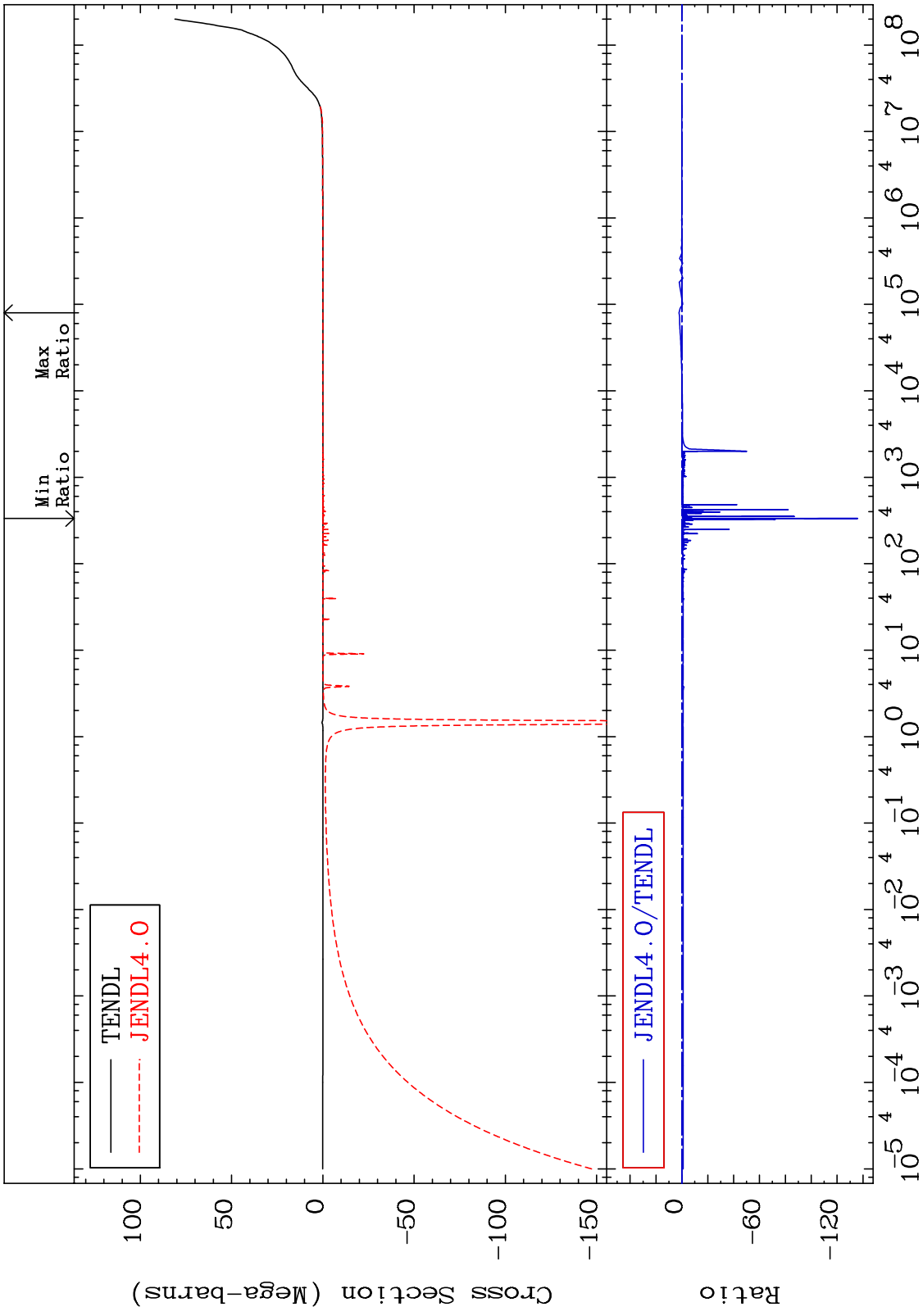
MAT 4931

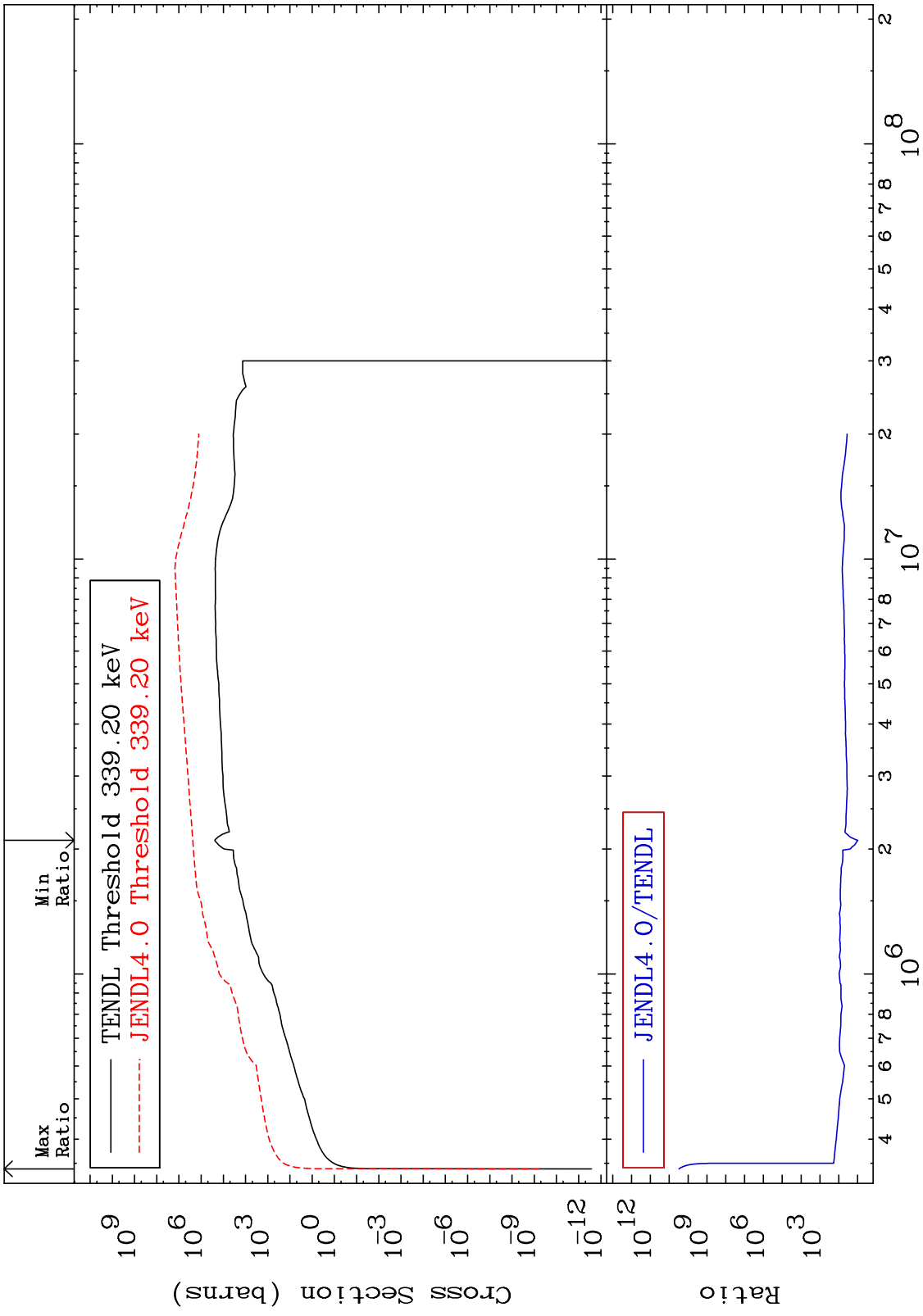
Kerma elastic
Cross Section

49-In-115
-91.38 To 2708. %



MAT 4931 Kerma non-elastic (all but mt2) 49-In-115
 Cross Section -9999. To 9999. %

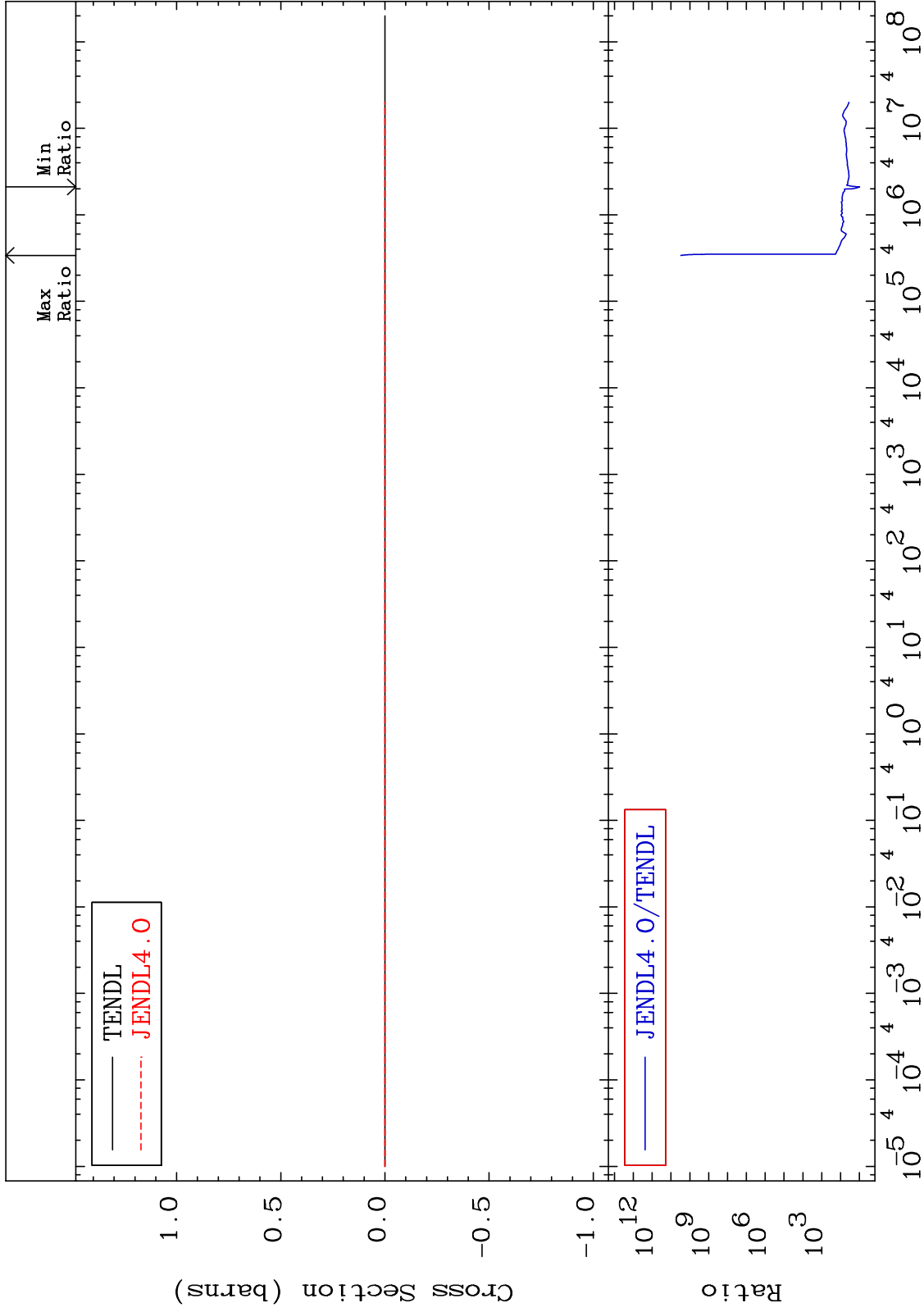




MAT 4931

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

49-In-115
871.6 To 9999. %



43

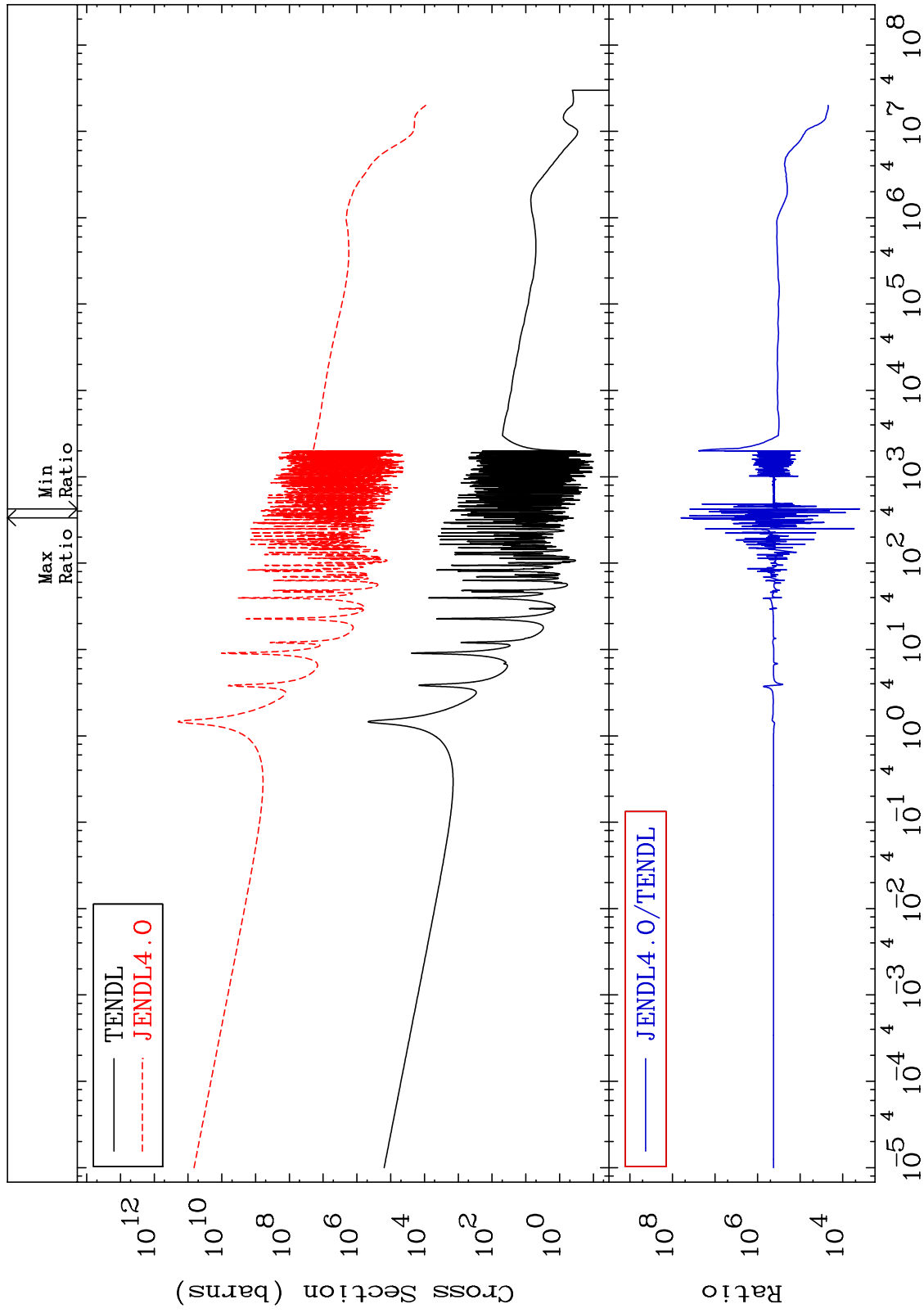
Incident Energy (eV)

49-In-115

MAT 4931

Kerma capture (mt102)
Cross Section

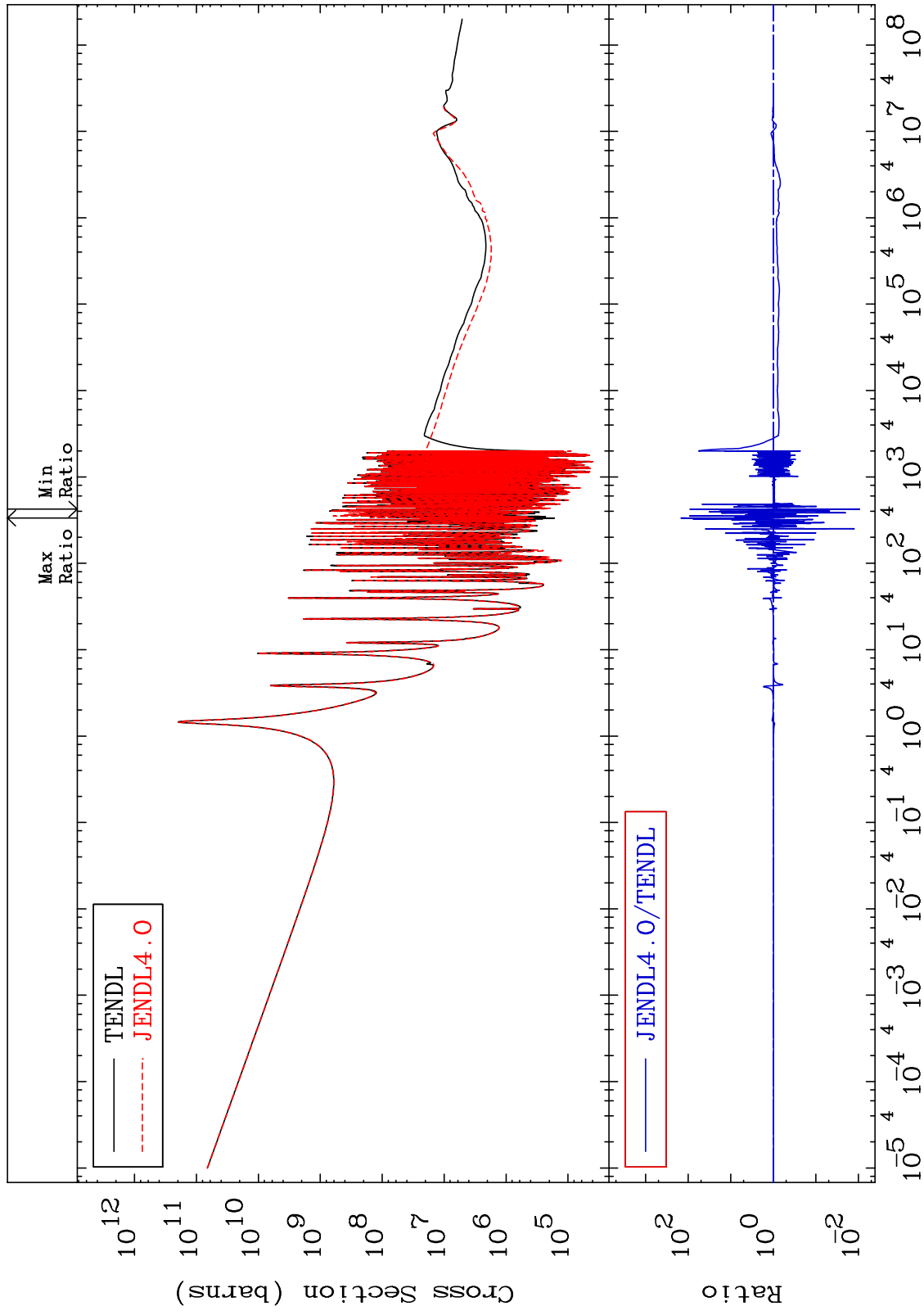
49-In-115
9999. To 9999. %



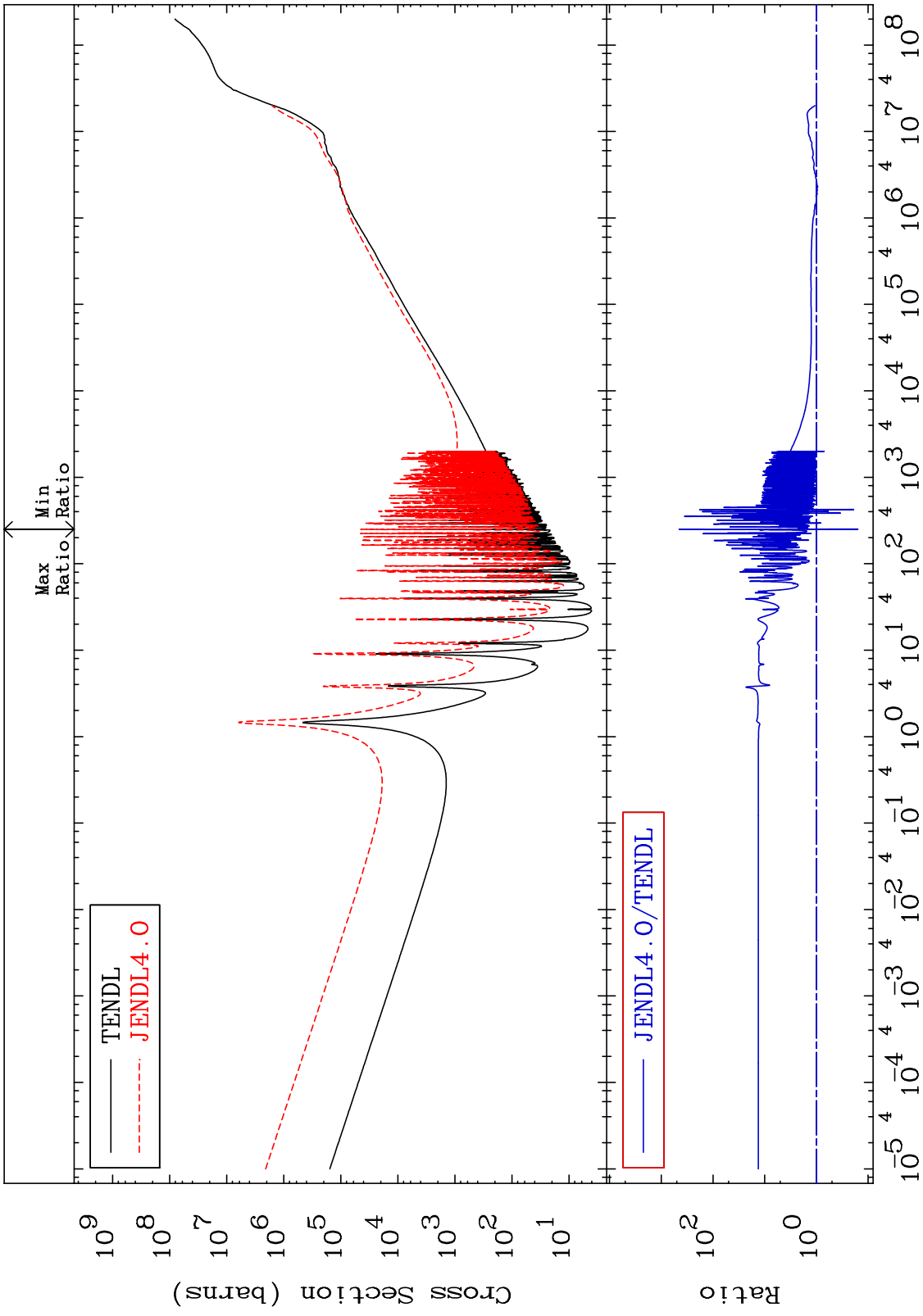
MAT 4931

Total photon (eV-barns)
Cross Section

49-In-115
-99.07 To 9999. %



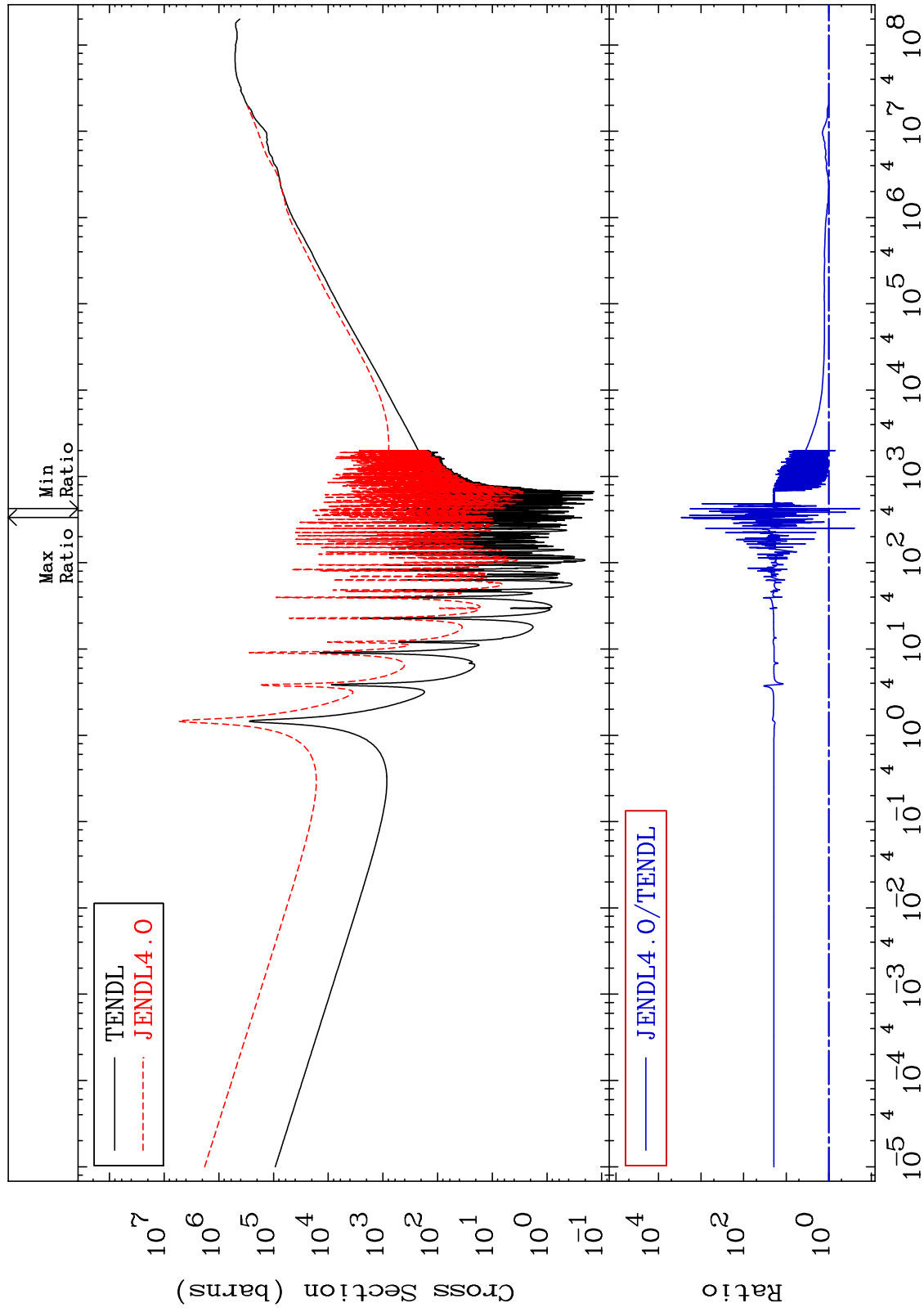
MAT 4931 Total kinematic kerma (high limit) 49-In-115
 Cross Section -84.19 To 9999. %



MAT 4931

Dpa total (eV-barns)
Cross Section

49-In-115
-81.39 To 9999. %

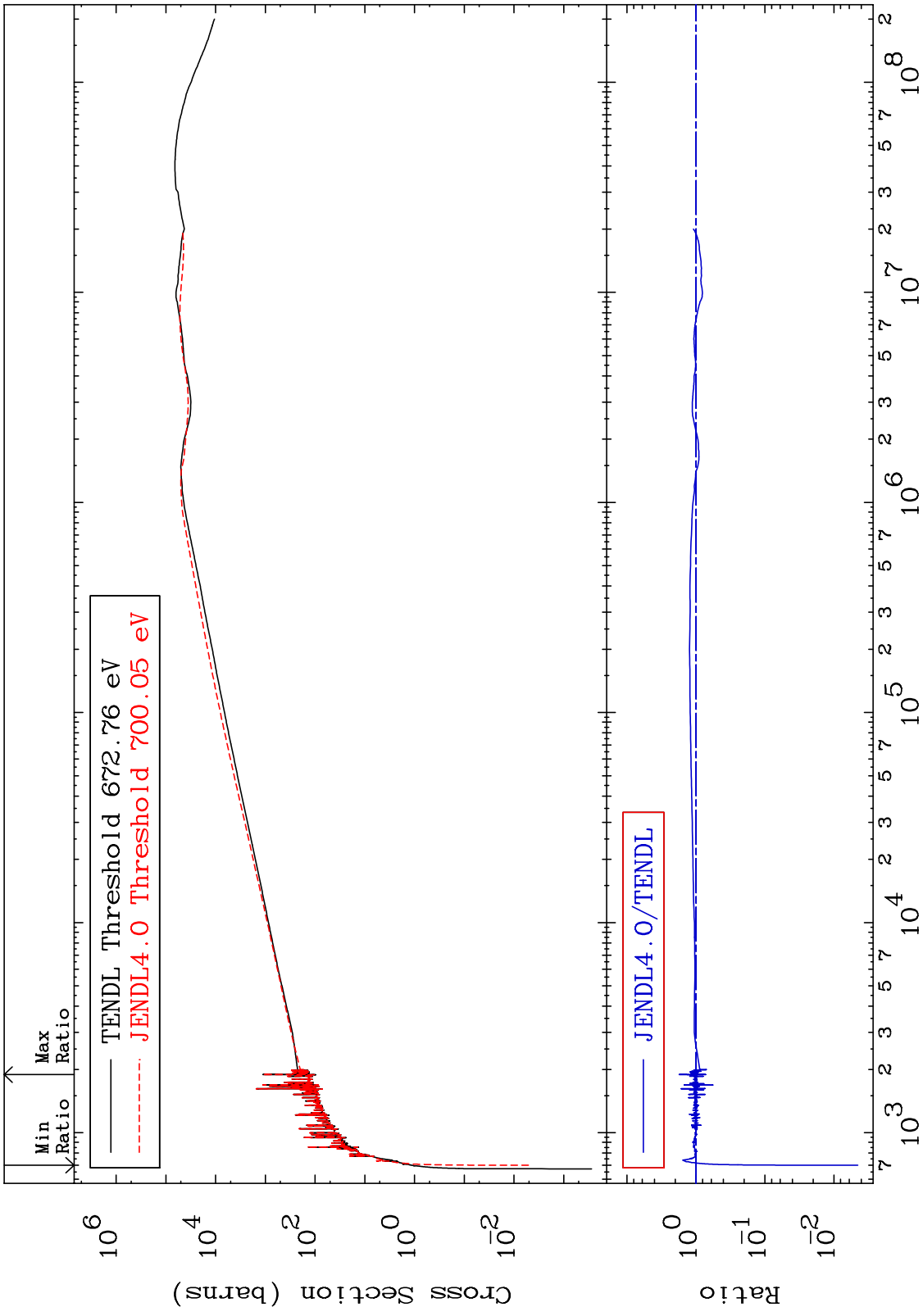


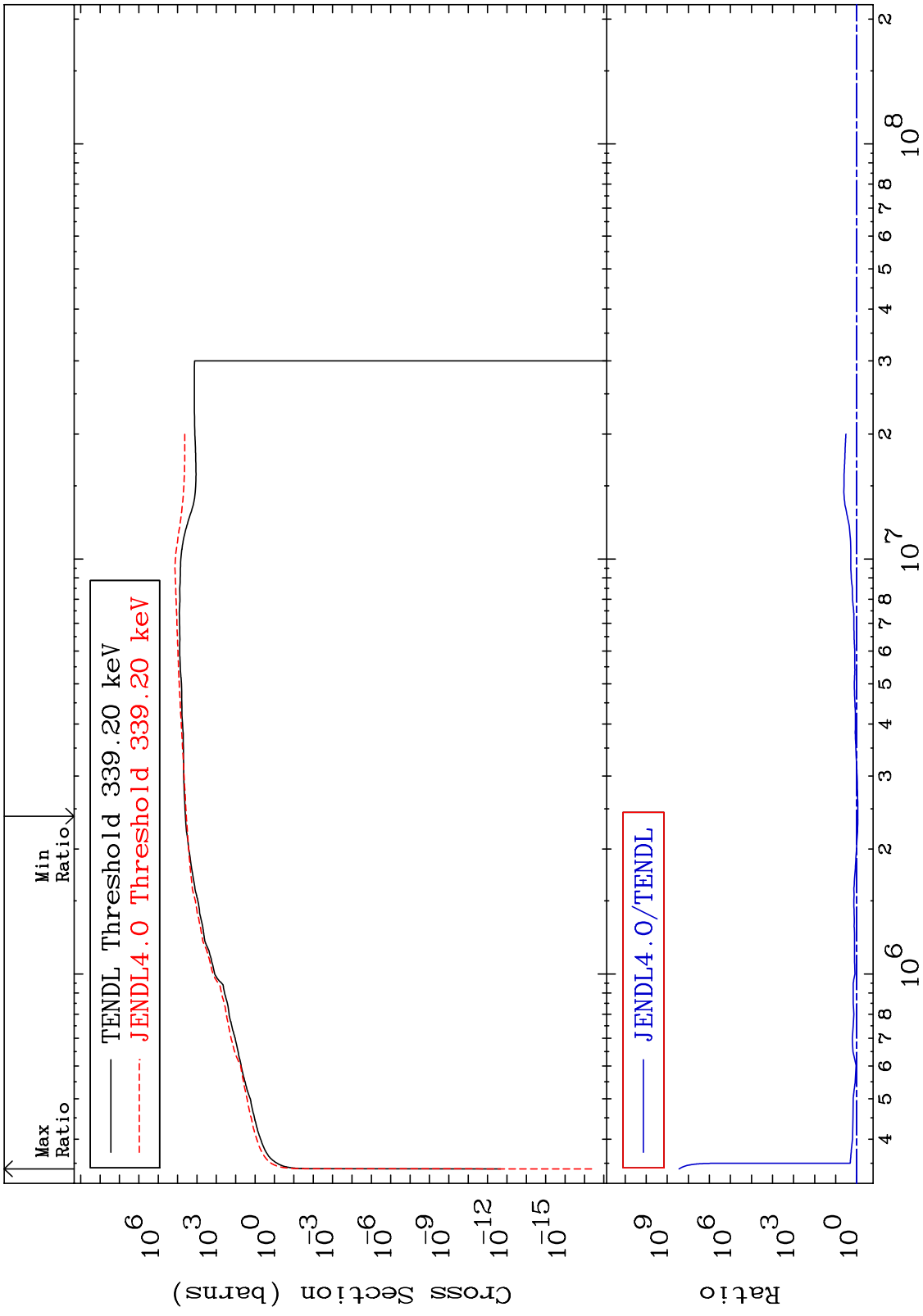
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Incident Energy (eV)

49-In-115

MAT 4931 Dpa elastic (mt2) 49-In-115
Cross Section -99.55 To 75.95 %





MAT 4931

Dpa disappearance (mt102 -120)
Cross Section

49-In-115
-81.39 To 9999. %

