

Program Complot
(Version 2018-1)

by

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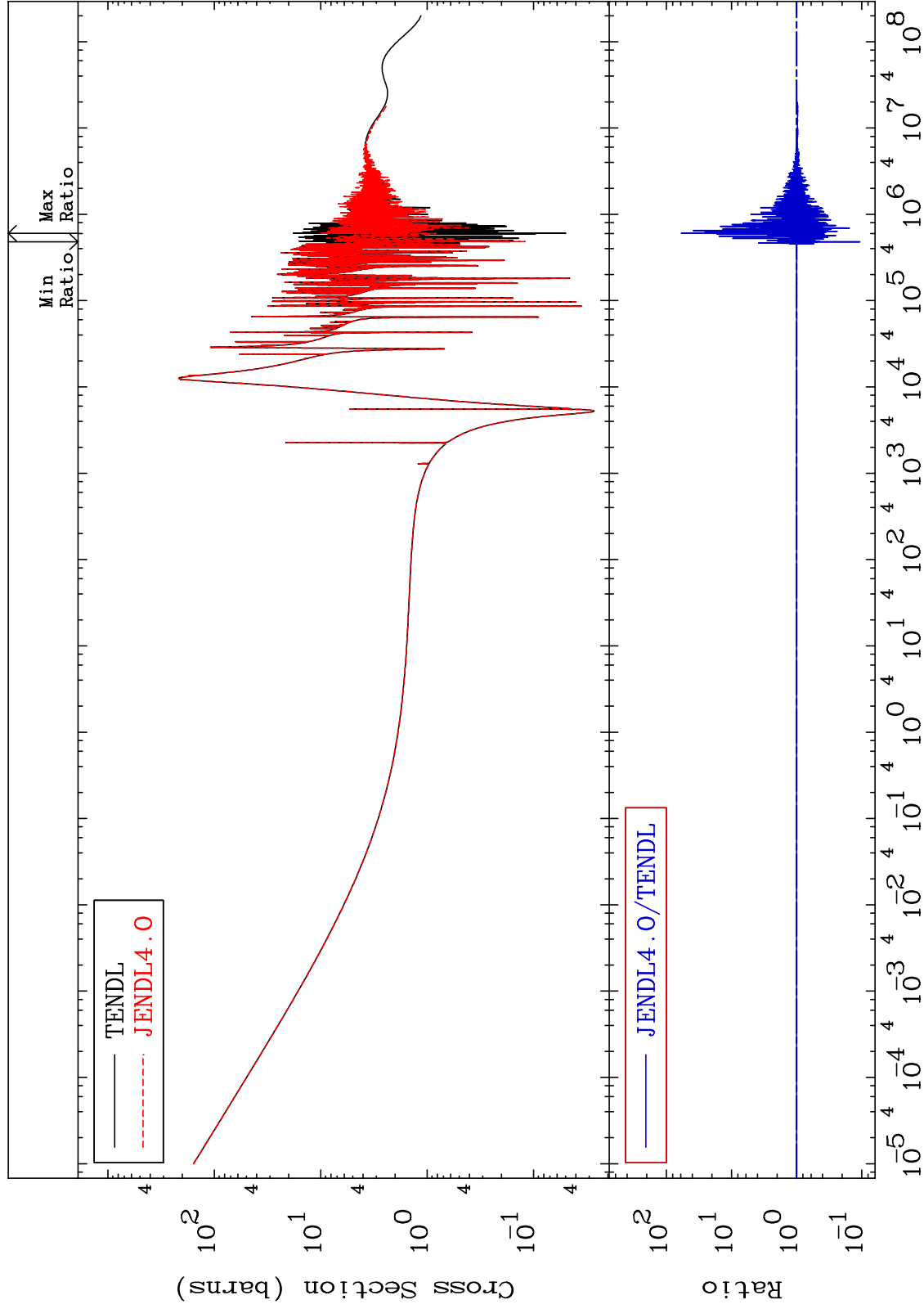
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2831

Total
Cross Section

28-Ni-60
-89.27 To 5755. %



1

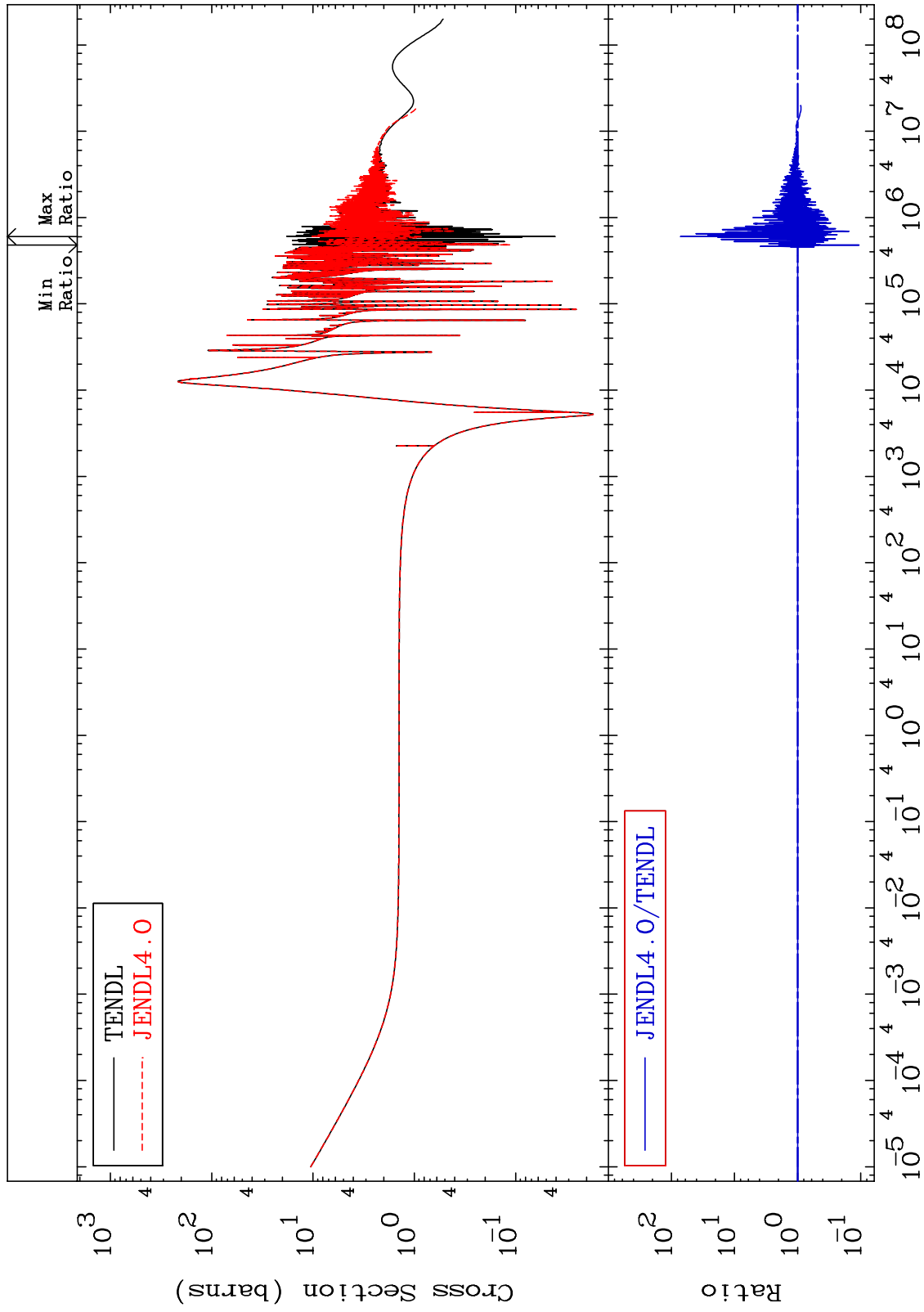
Incident Energy (eV)

28-Ni-60

MAT 2831

Elastic
Cross Section

28-Ni-60
-89.37 To 7033. %

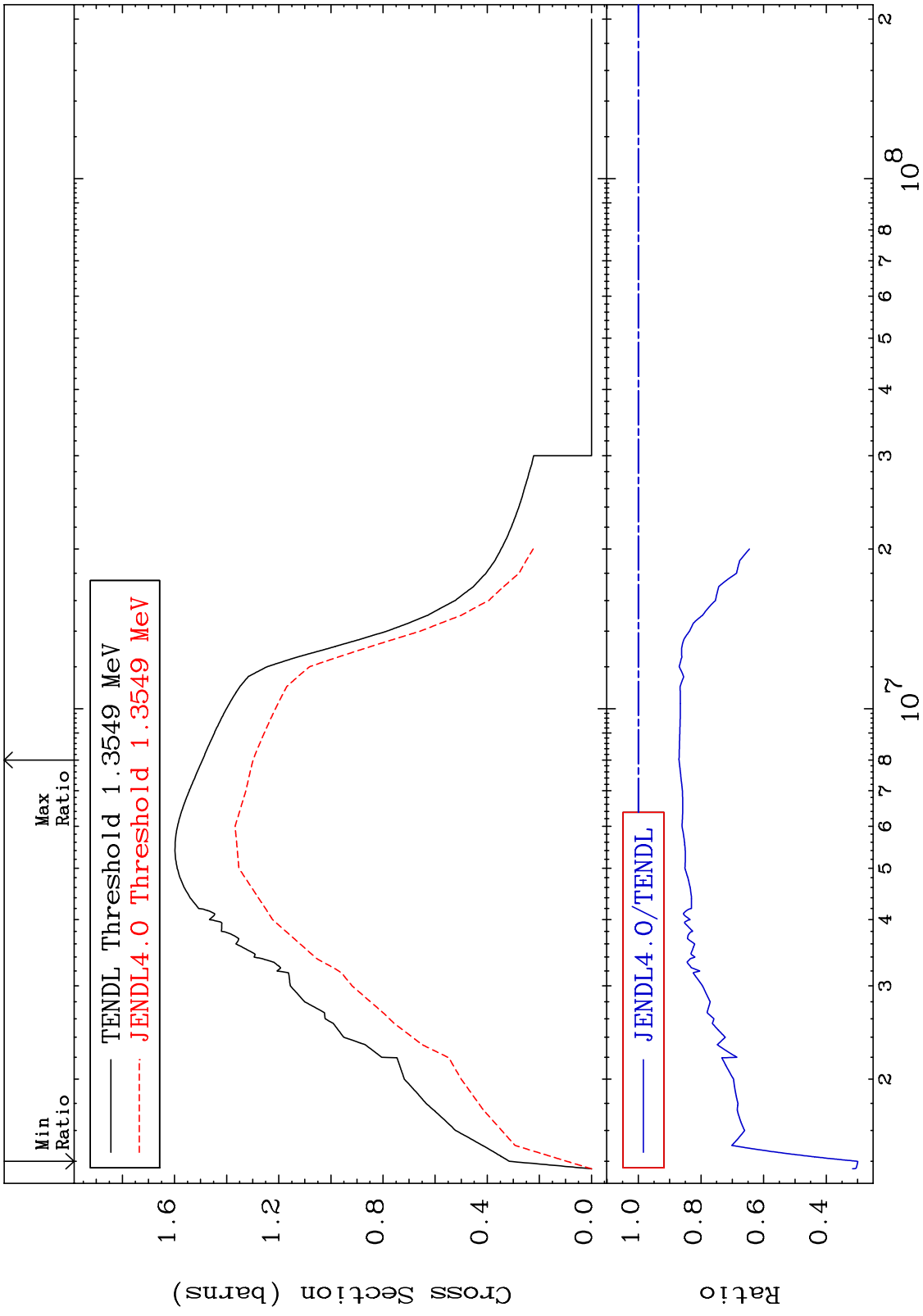


2

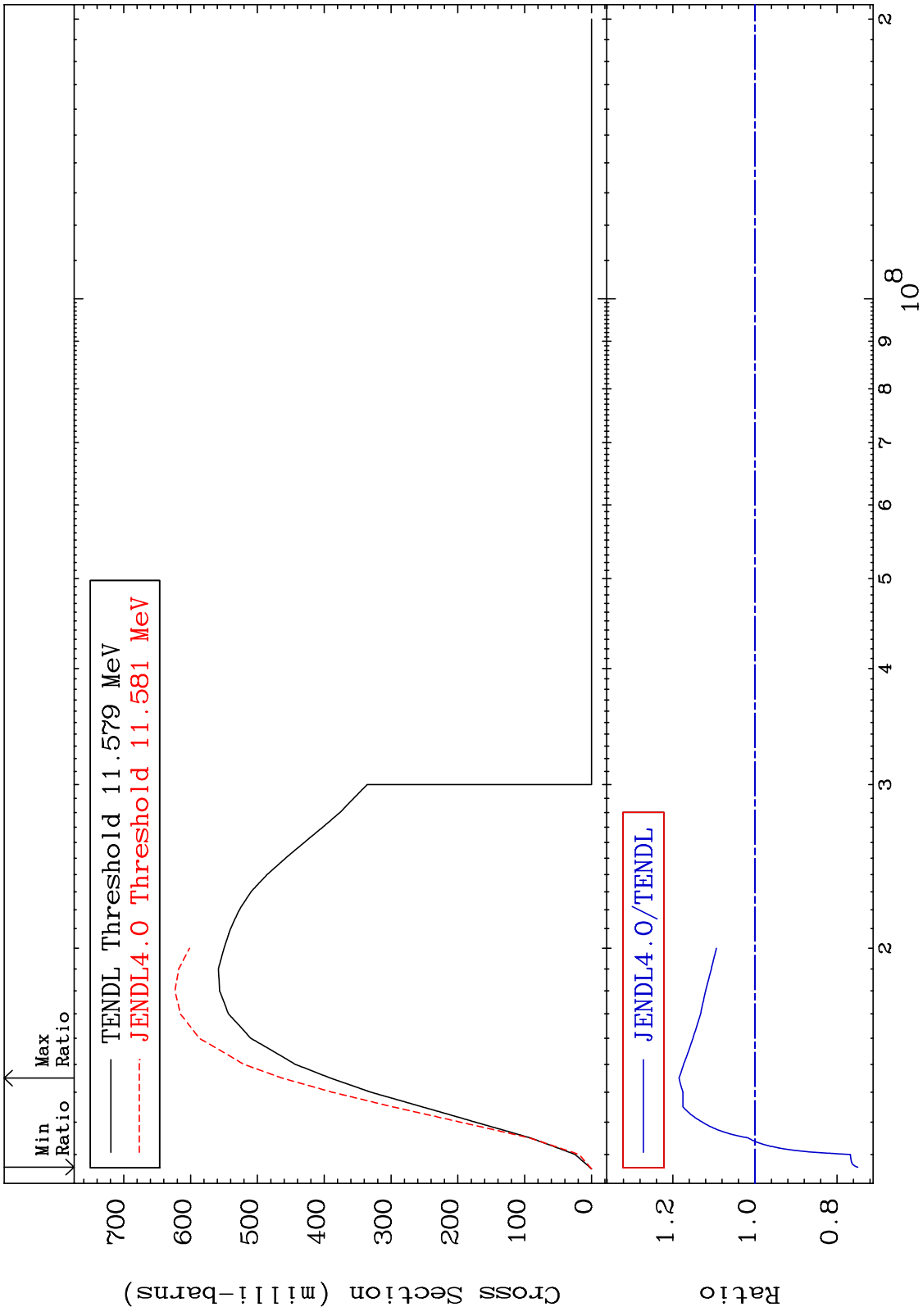
Incident Energy (eV)

28-Ni-60

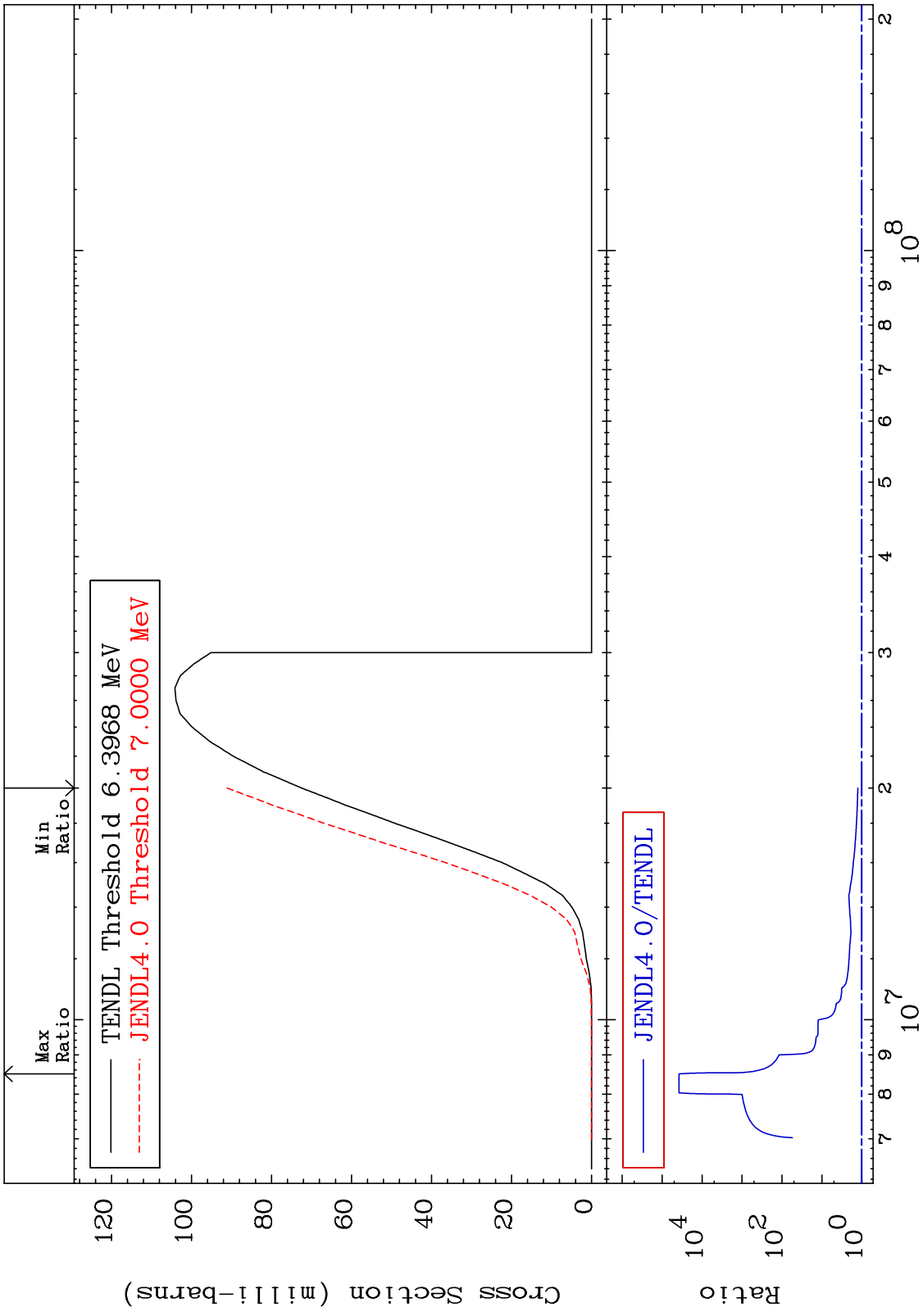
MAT 2831 Inelastic Cross Section 28-Ni-60 -70.06 To -13.00%



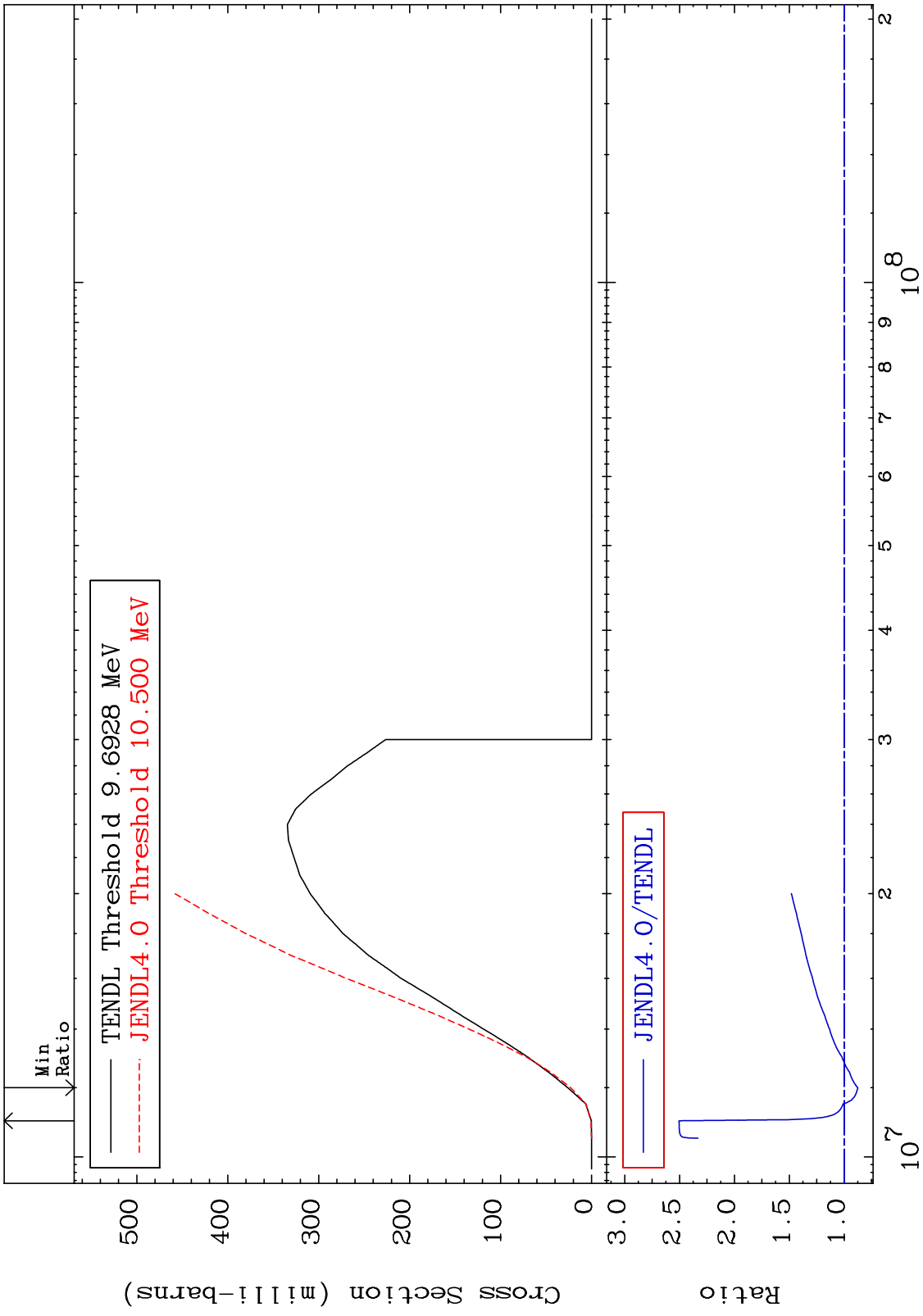
MAT 2831 (n,2n) Cross Section 28-Ni-60 -25.06 To 18.48 %



MAT 2831 $(n, n') \alpha$ Cross Section 28-Ni-60 25.73 To 9999. %

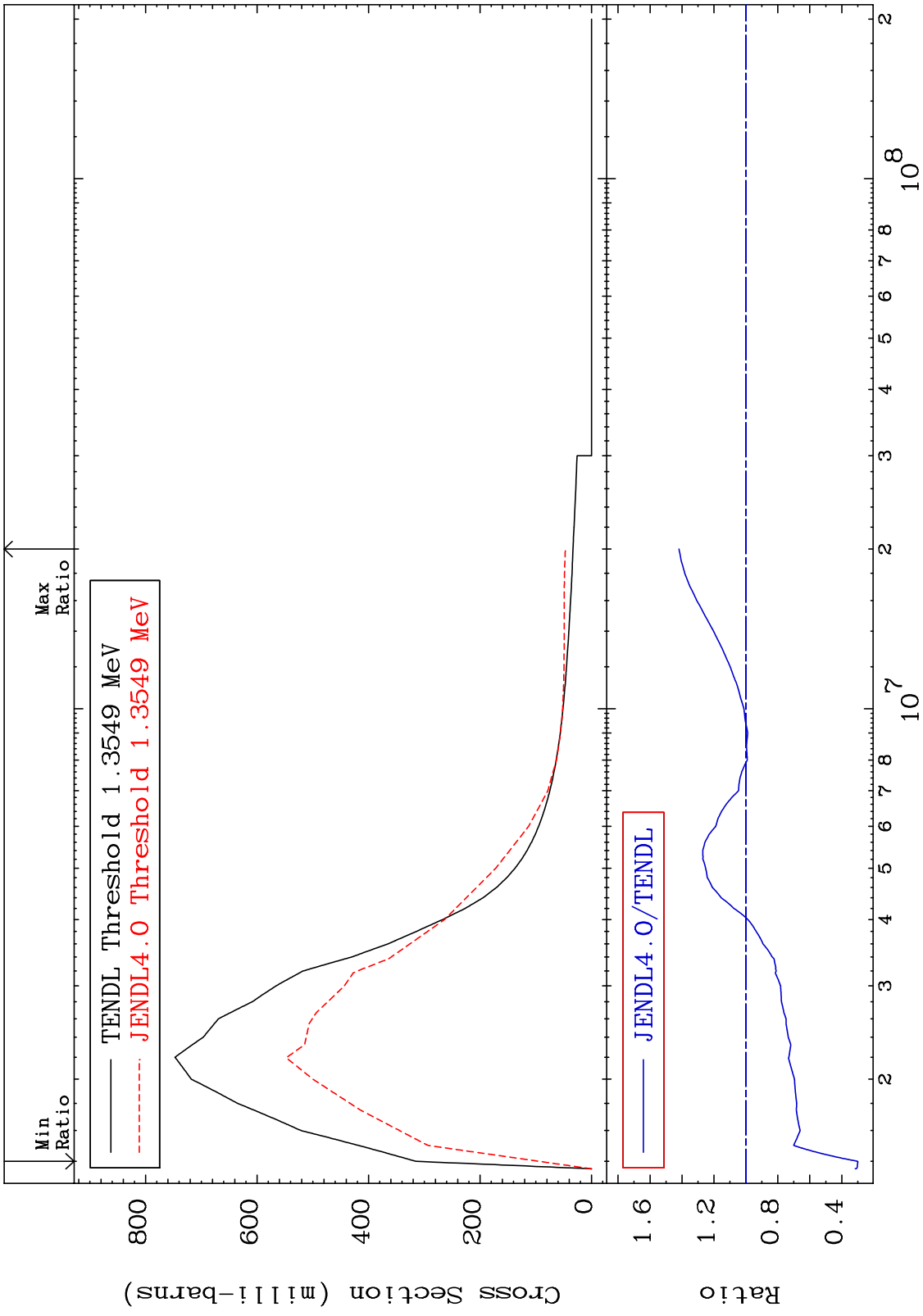


MAT 2831 (n,n') p 28-Ni-60
Cross Section -12.46 To 150.5 %



28-Ni-60 Incident Energy (eV)

MAT 2831 MT= 51 (n,n') Level Cross Section -70.06 To 41.84 % 28-Ni-60

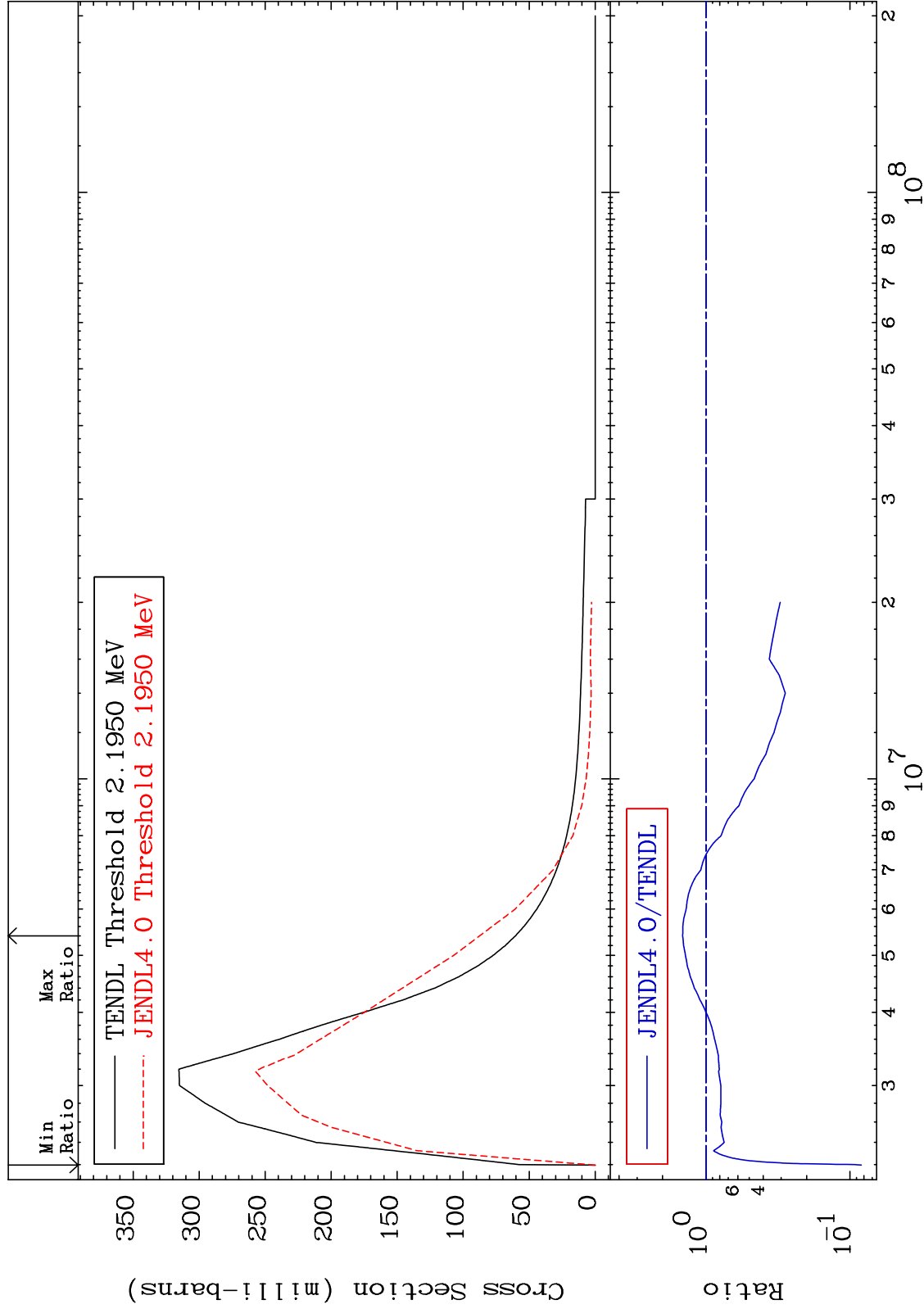


7 28-Ni-60

MAT 2831

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

28-Ni-60
-91.66 To 44.89 %

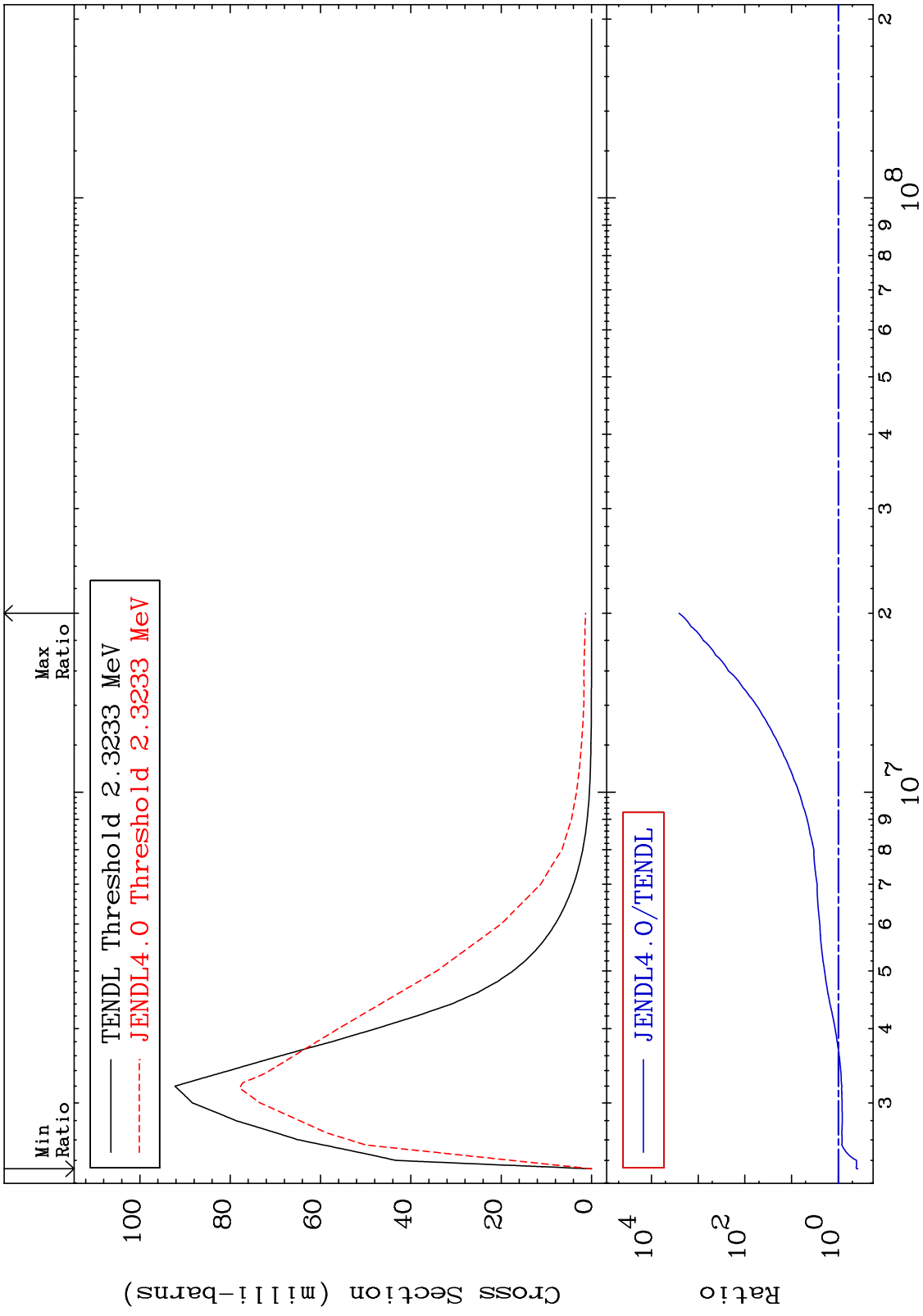


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Incident Energy (eV)

28-Ni-60

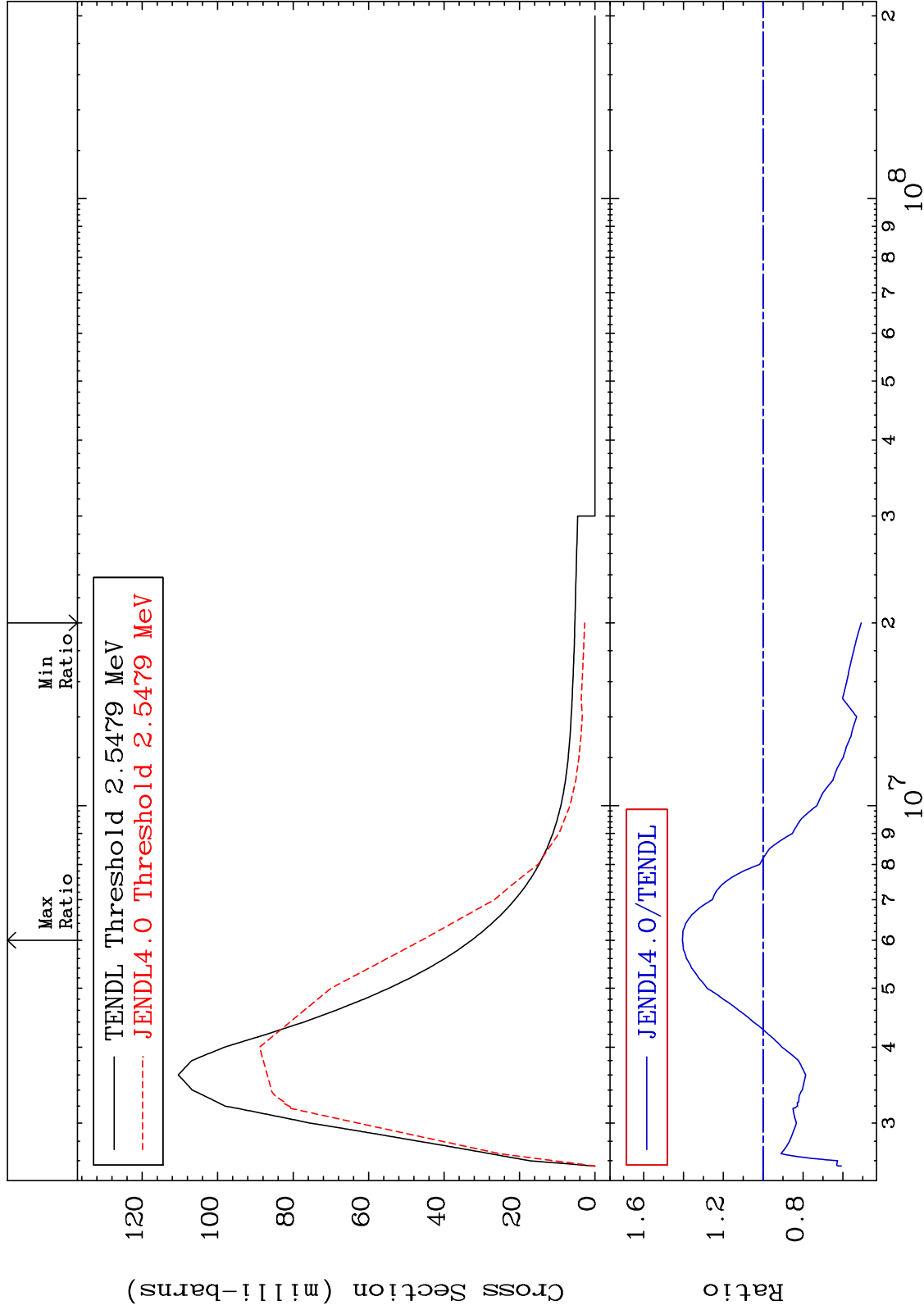
MAT 2831 MT= 53 (n,n') Level Cross Section -61.80 To 9999. % 28-Ni-60



MAT 2831

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

28-Ni-60
-49.27 To 40.49 %

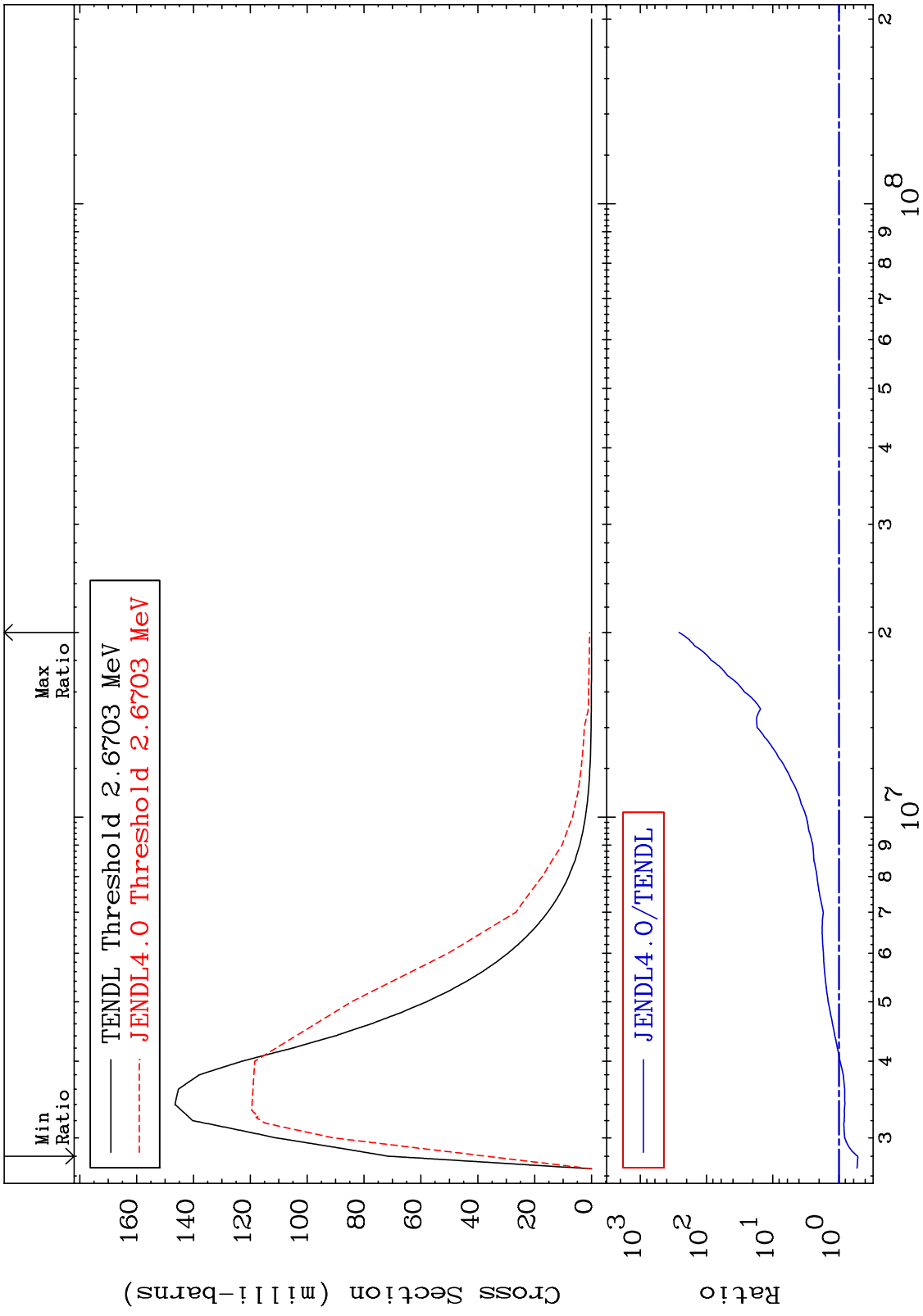


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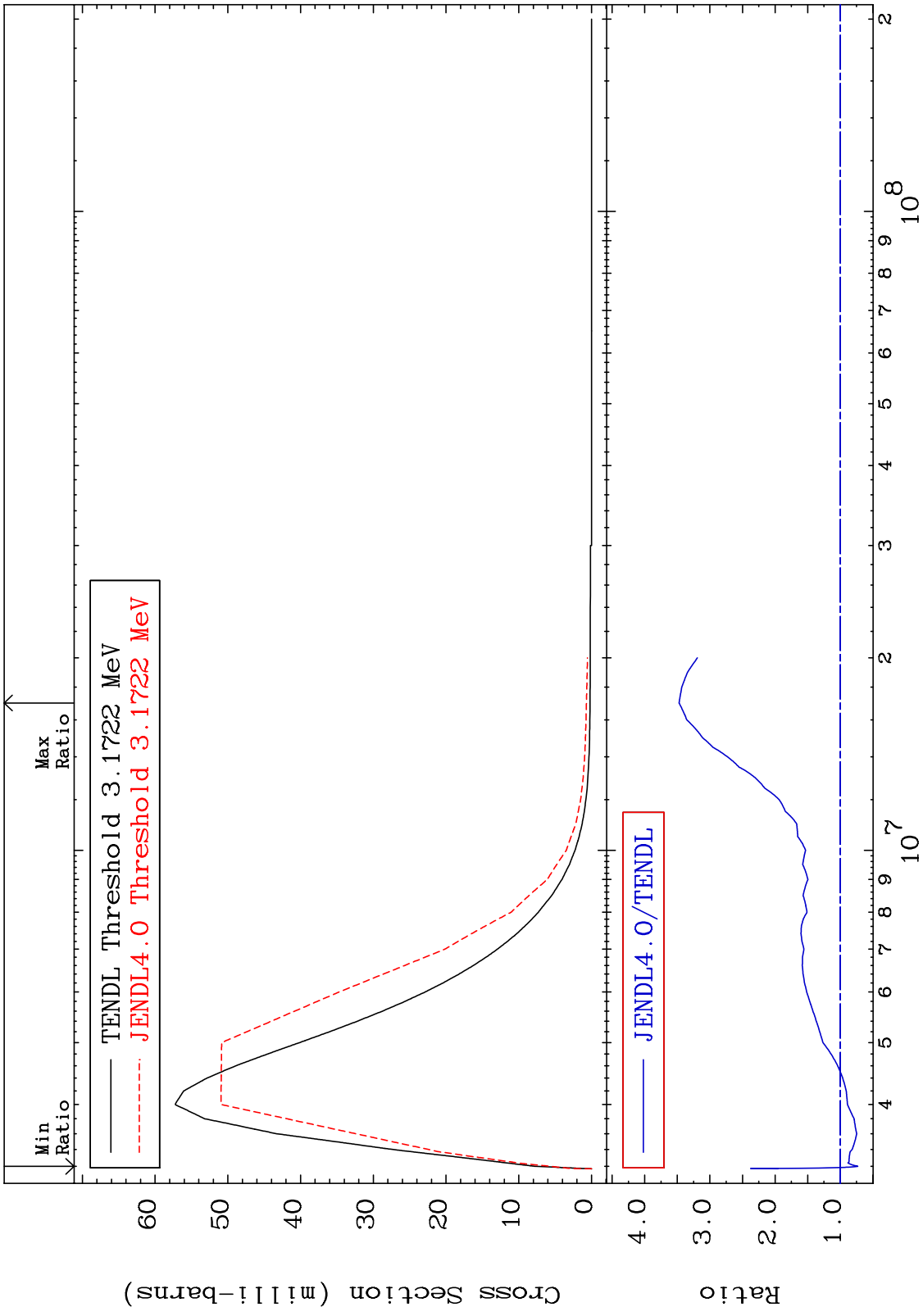
Incident Energy (eV)

28-Ni-60

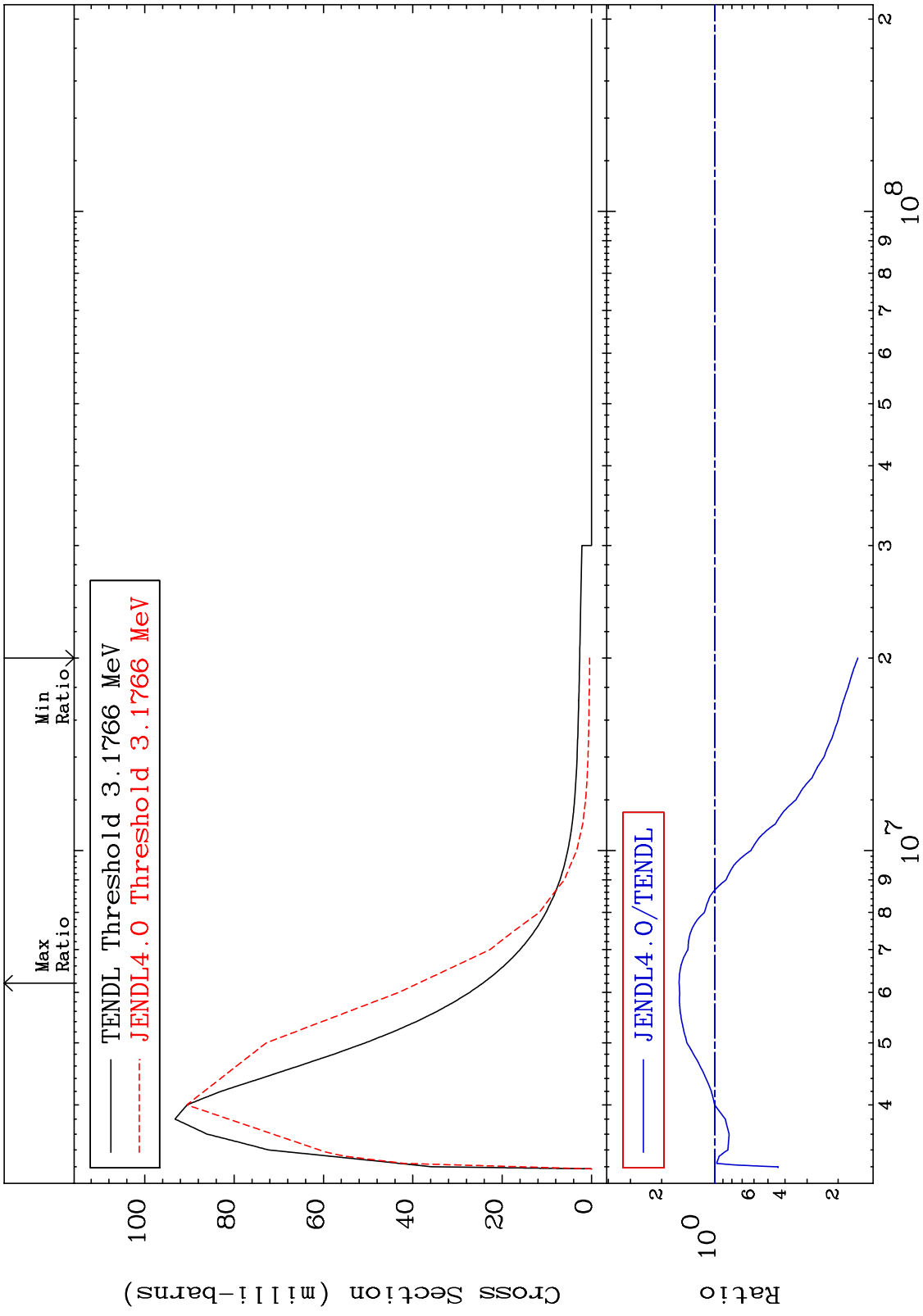
MAT 2831 MT= 55 (n,n') Level Cross Section -48.20 To 9999. % 28-Ni-60



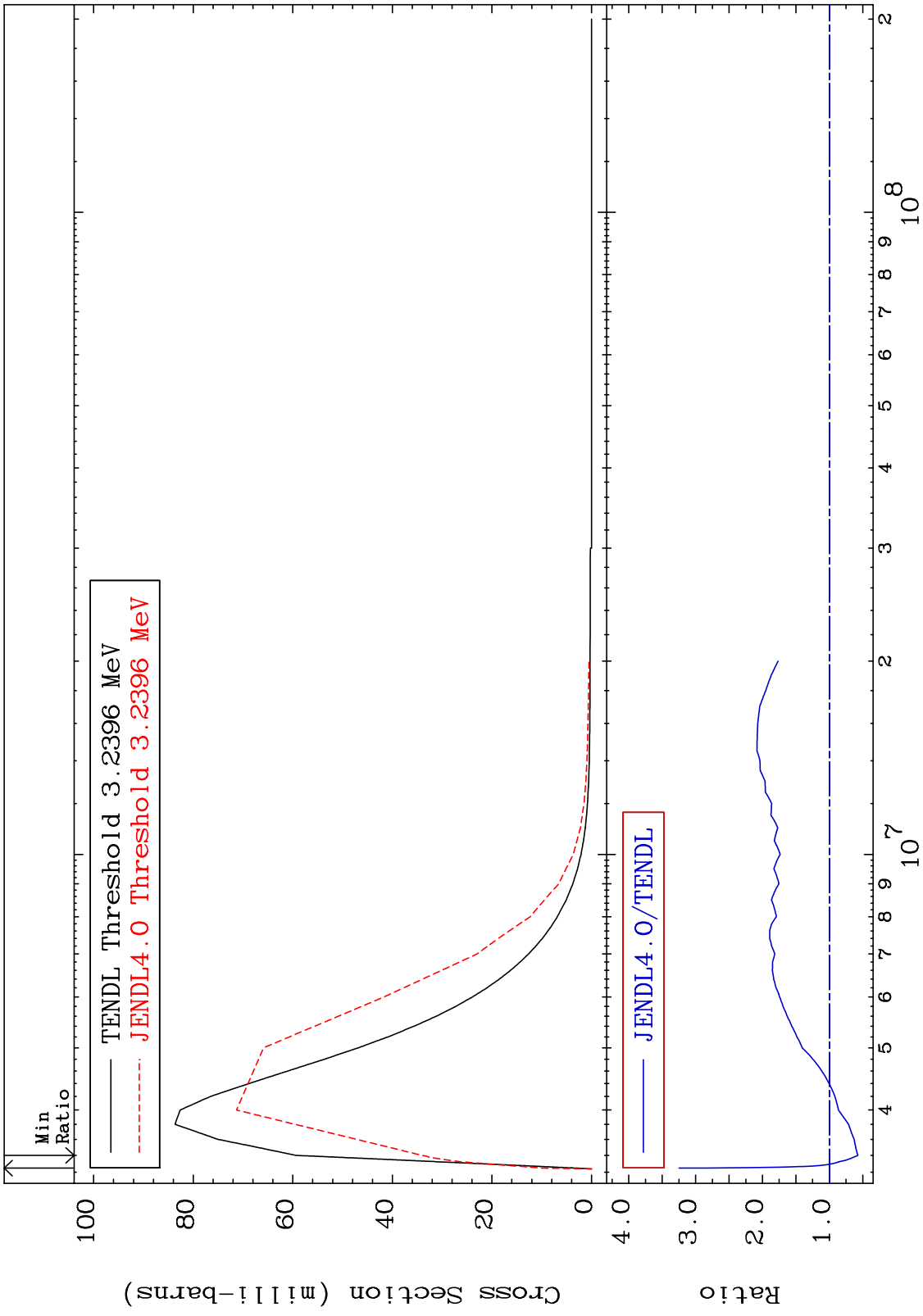
MAT 2831 MT= 56 (n,n') Level Cross Section 28-Ni-60 -26.93 To 247.3 %



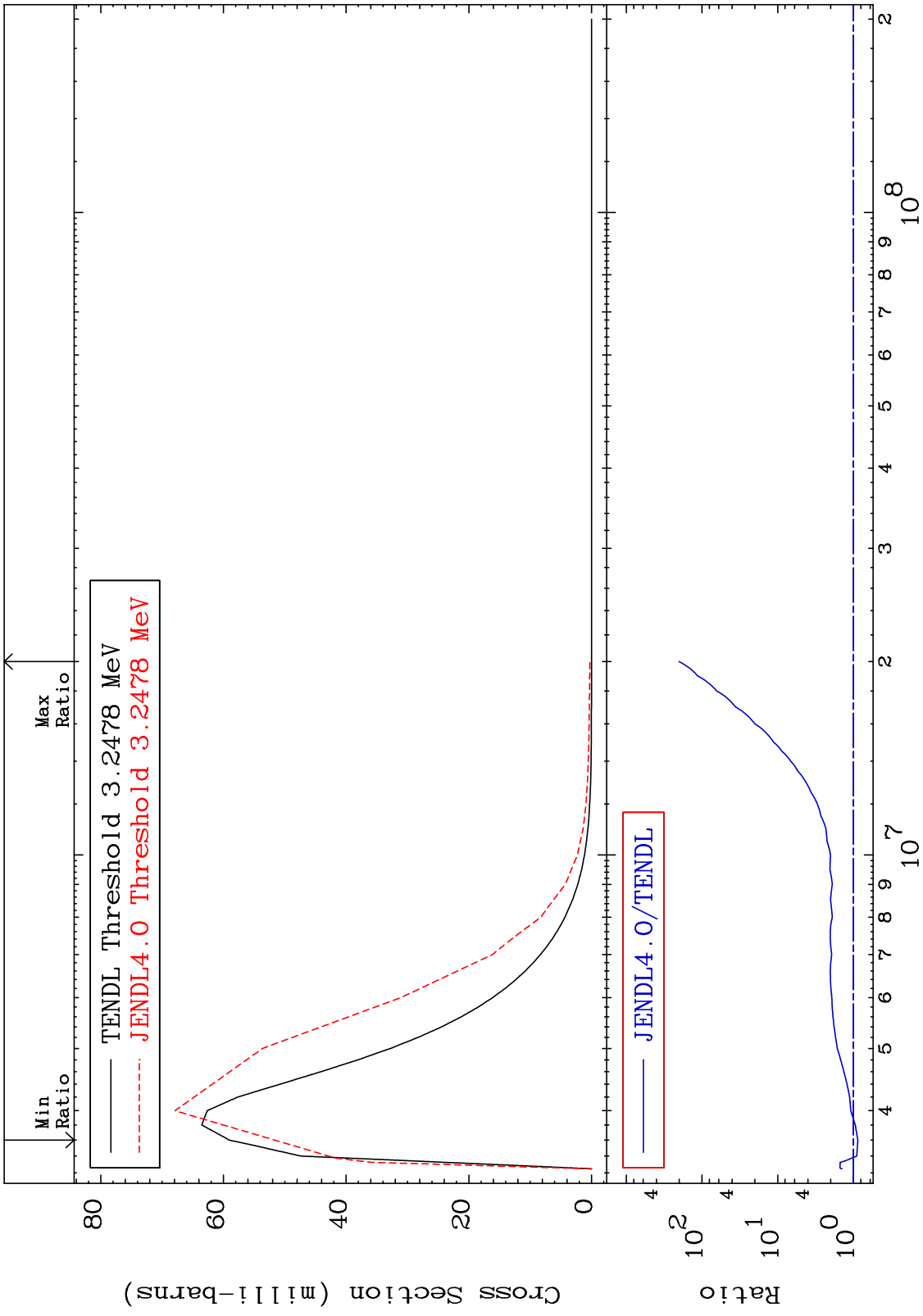
MAT 2831 MT= 57 (n,n') Level Cross Section 28-Ni-60
 -84.53 To 59.30 %



MAT 2831 MT= 58 (n,n') Level Cross Section -42.67 To 224.8 % 28-Ni-60



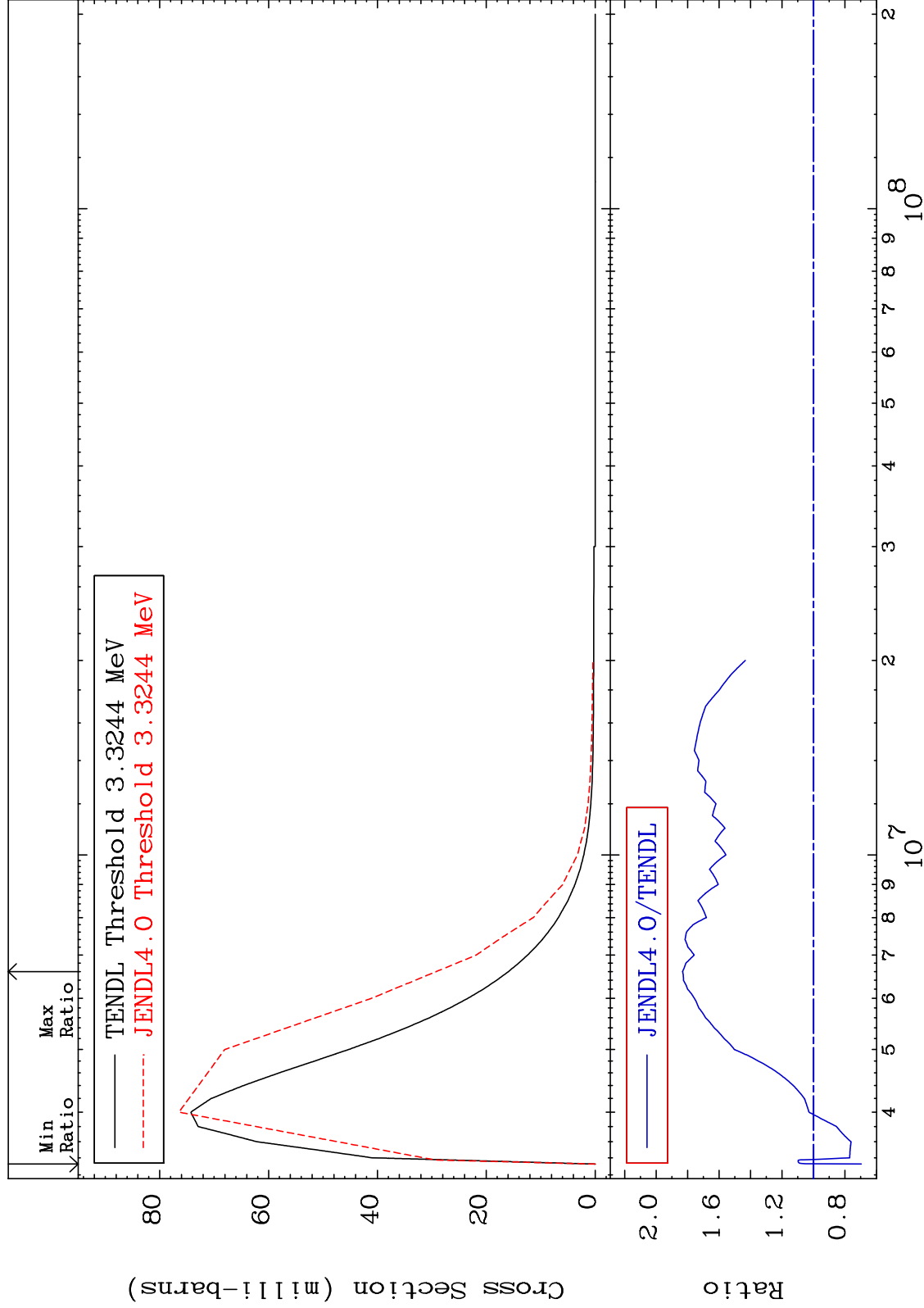
MAT 2831 MT= 59 (n,n') Level Cross Section -12.51 To 9999. % 28-Ni-60



MAT 2831

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

28-Ni-60
-30.38 To 83.19 %



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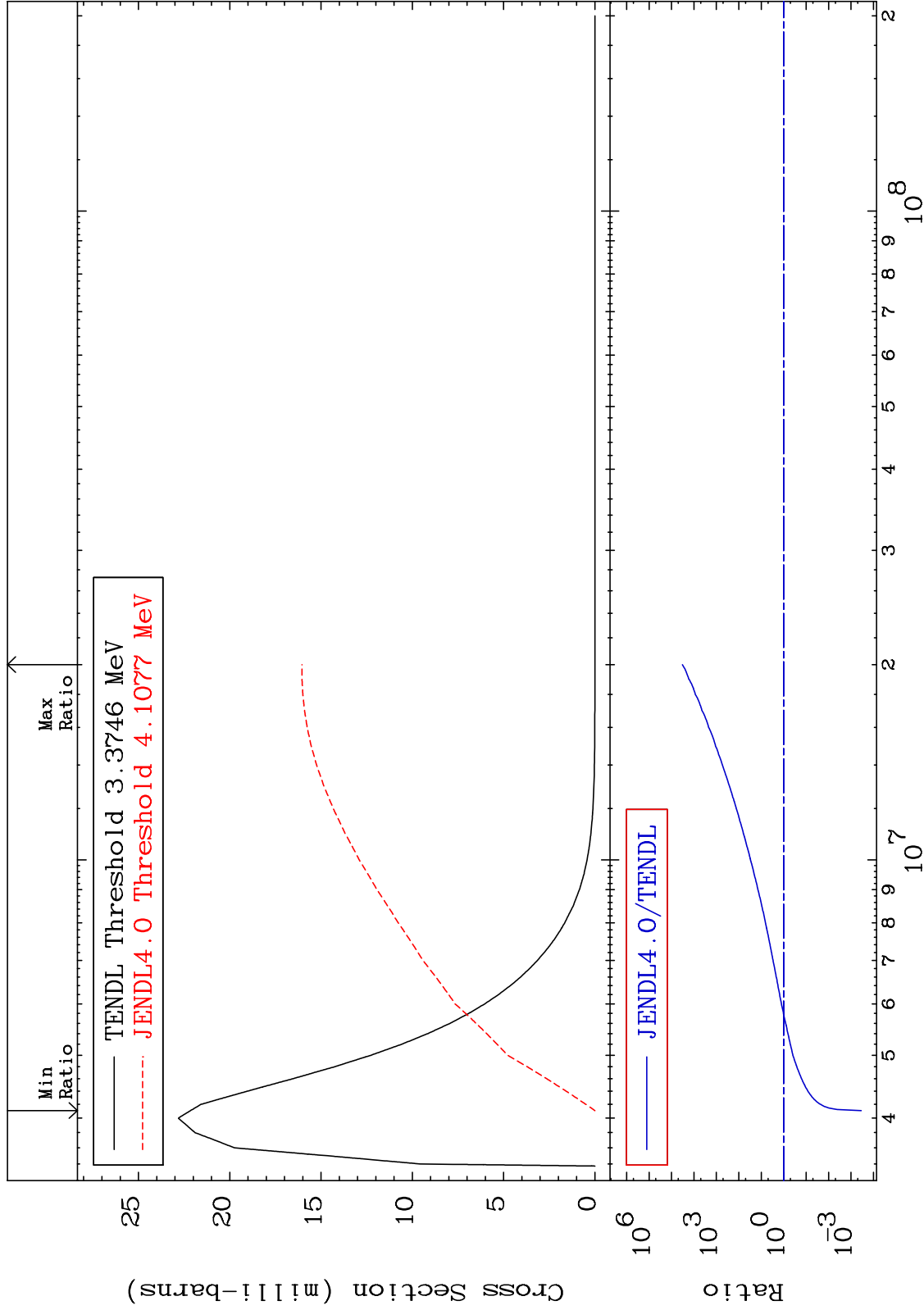
Incident Energy (eV)

28-Ni-60

MAT 2831

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

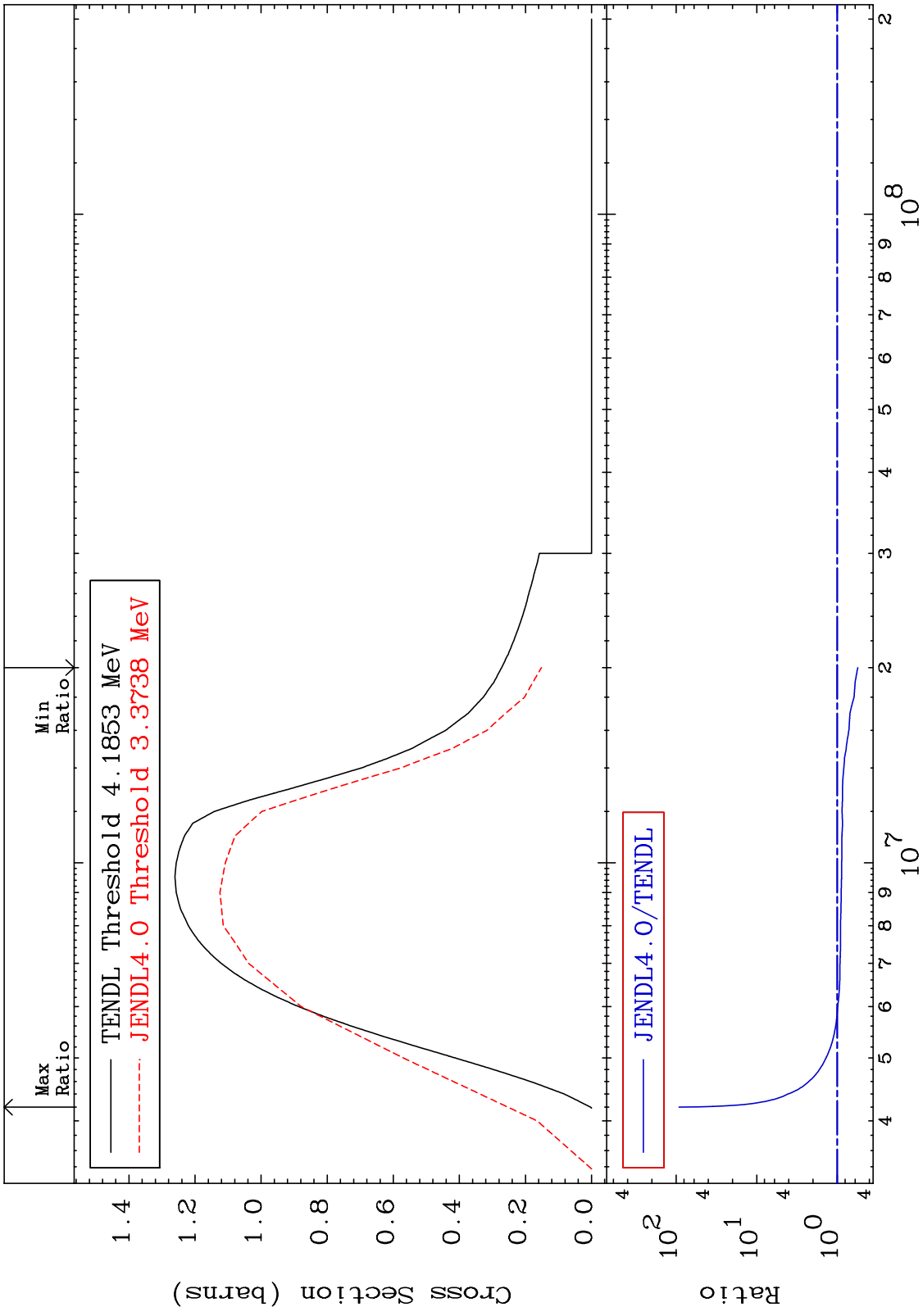
28-Ni-60
-99.97 To 9999. %



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Incident Energy (eV)

28-Ni-60



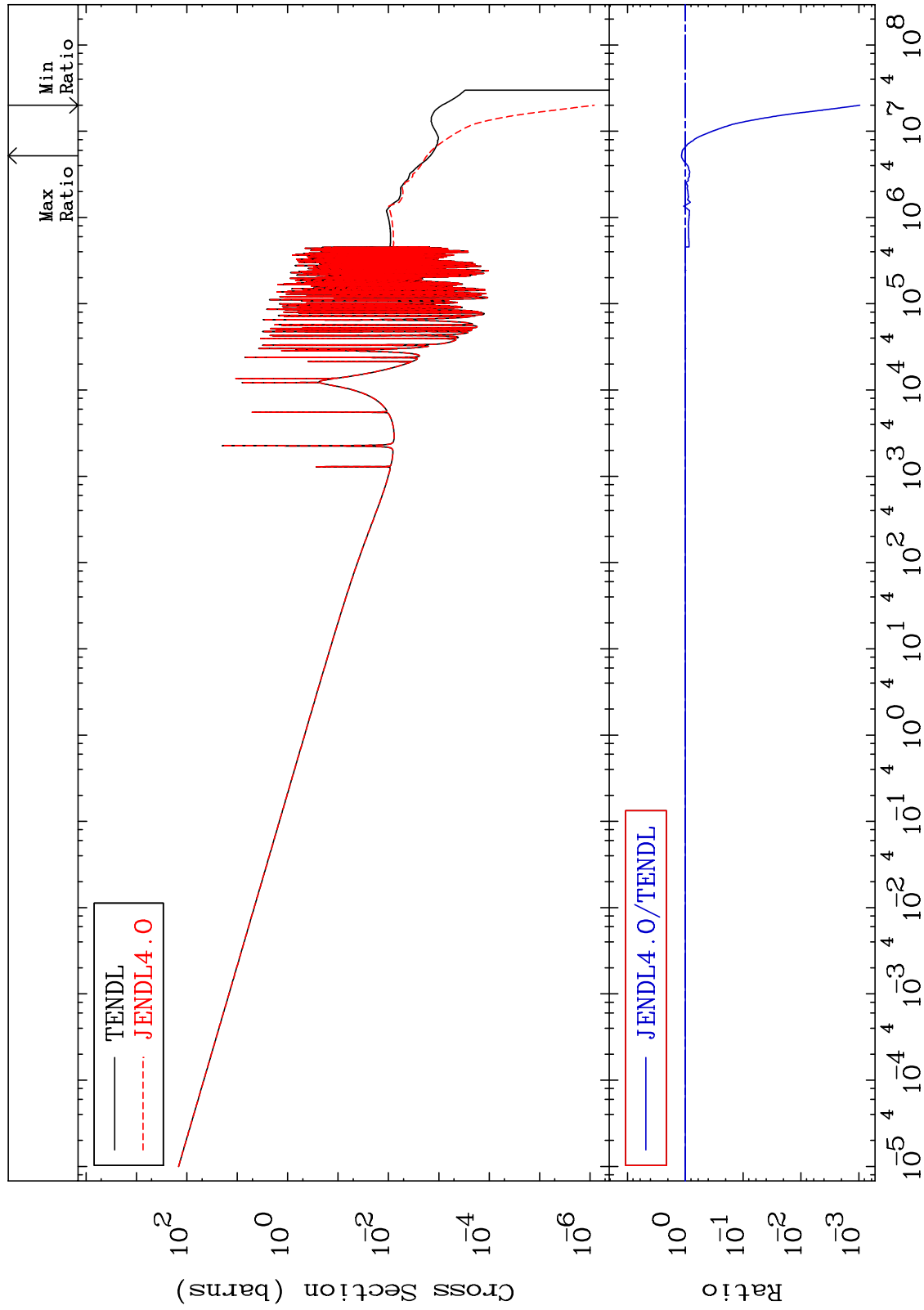
MAT 2831

(n, γ)

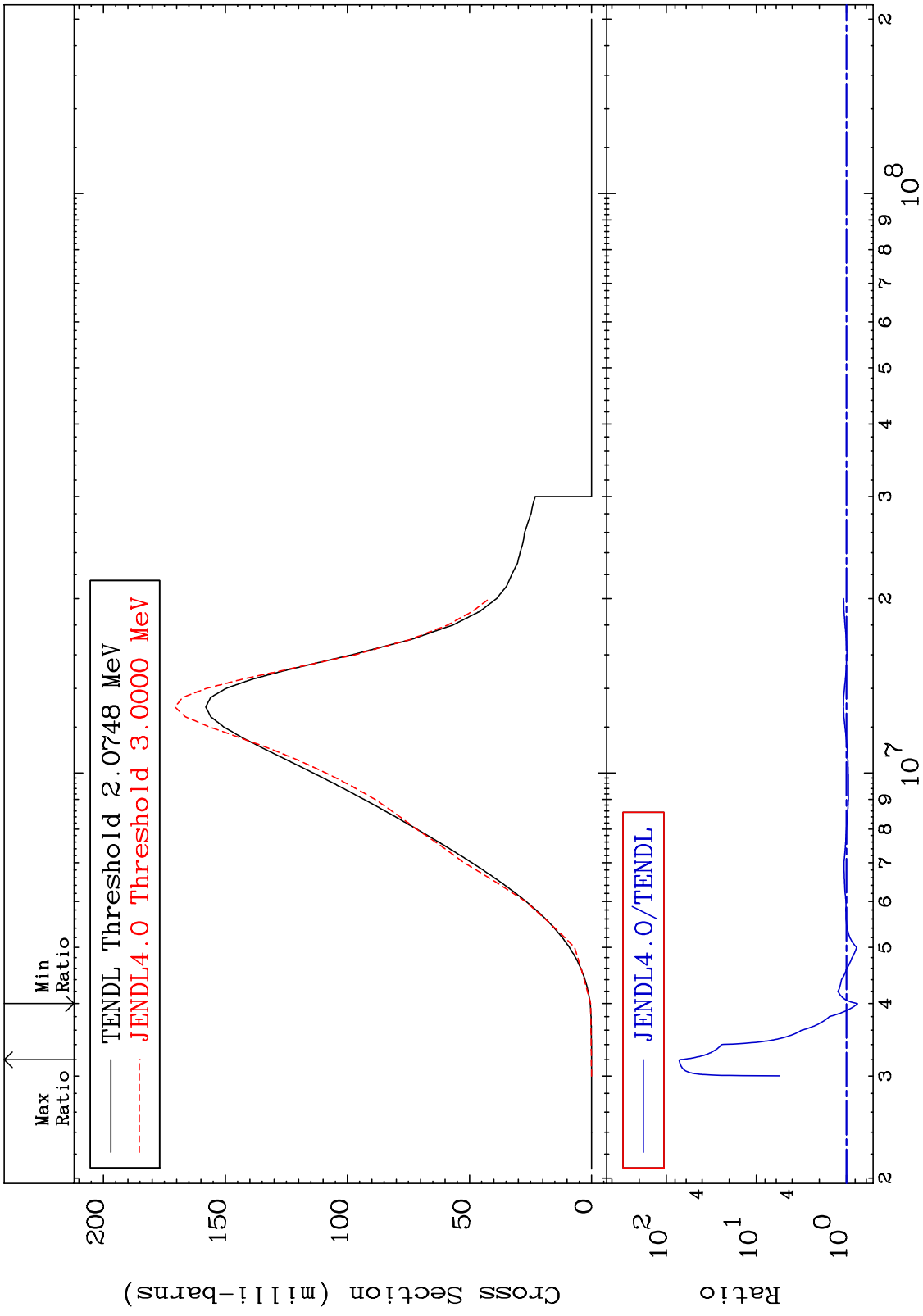
28-Ni-60

Cross Section

-99.90 To 16.45 %

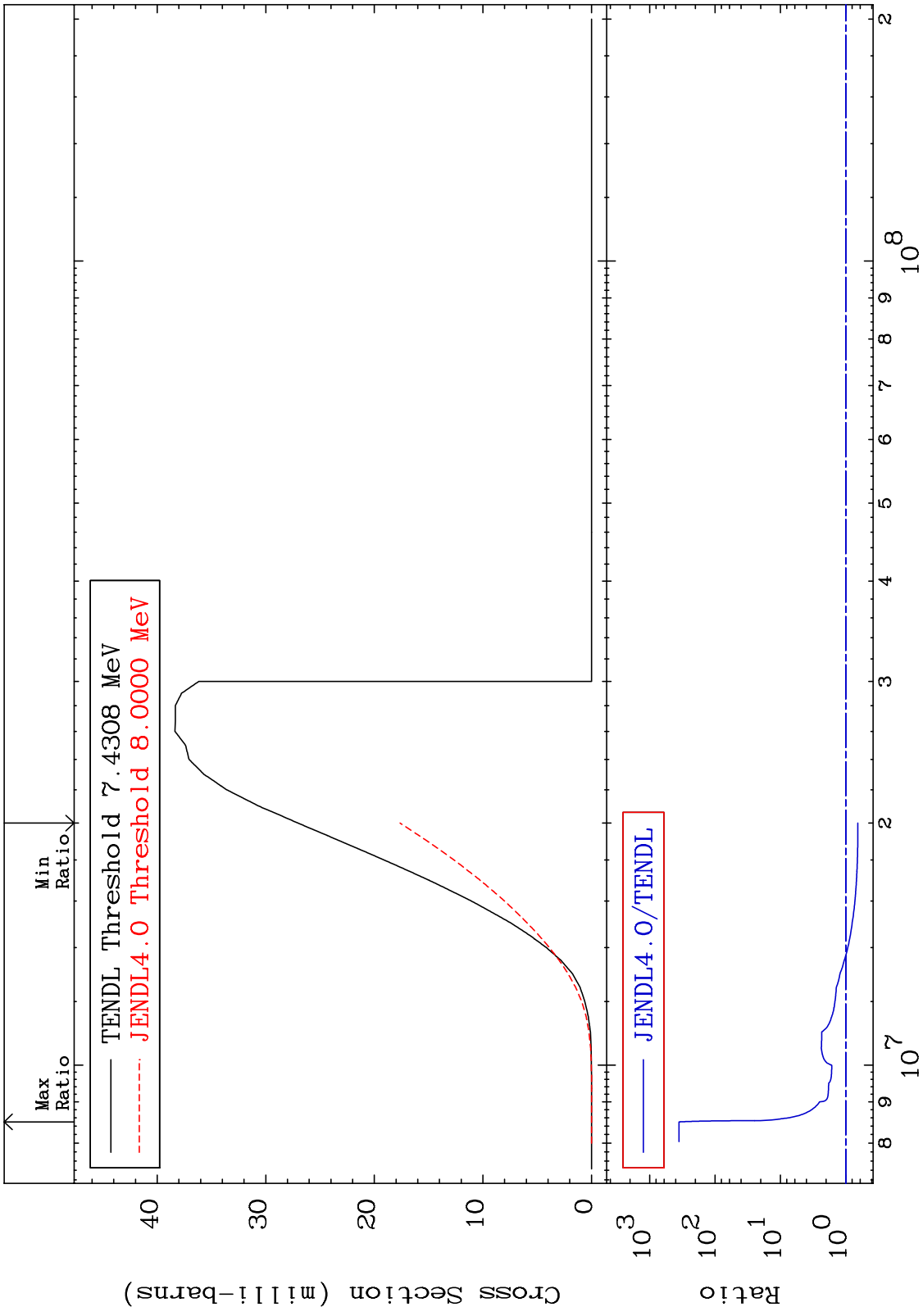


MAT 2831 (n,p) 28-Ni-60
 Cross Section -25.29 To 7105. %

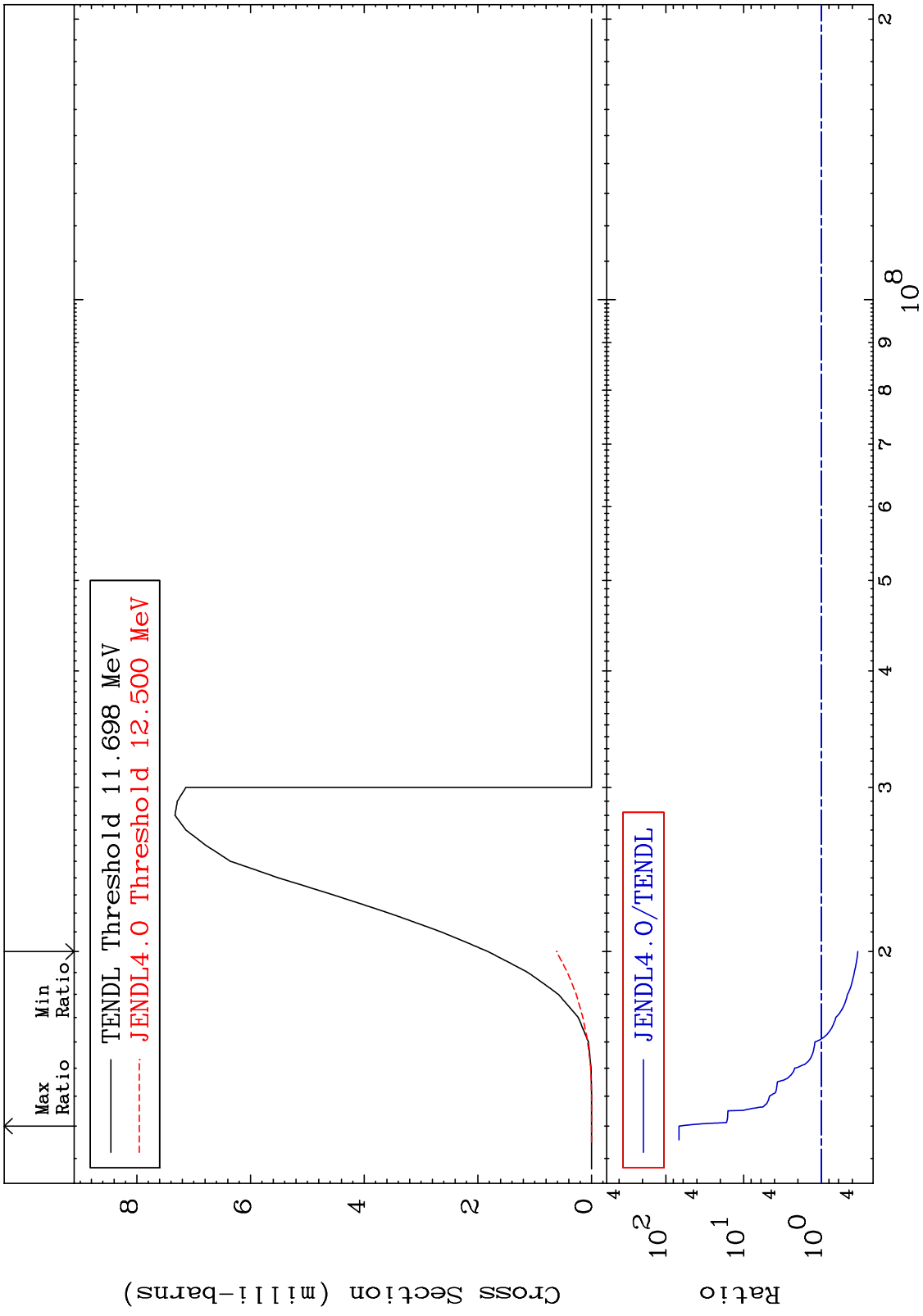


20 28-Ni-60

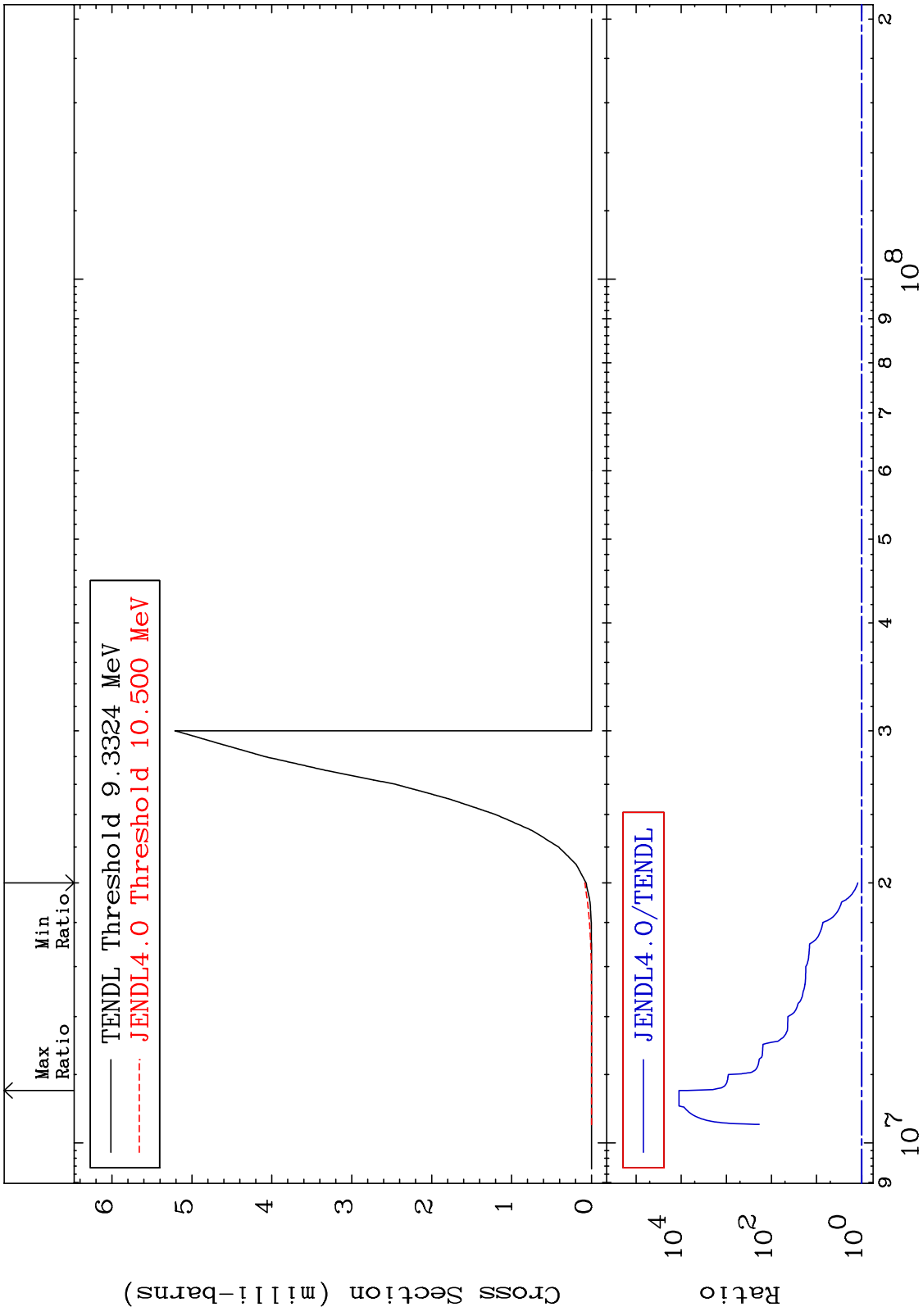
MAT 2831 (n,d) 28-Ni-60
 Cross Section -34.76 To 9999. %



21 28-Ni-60

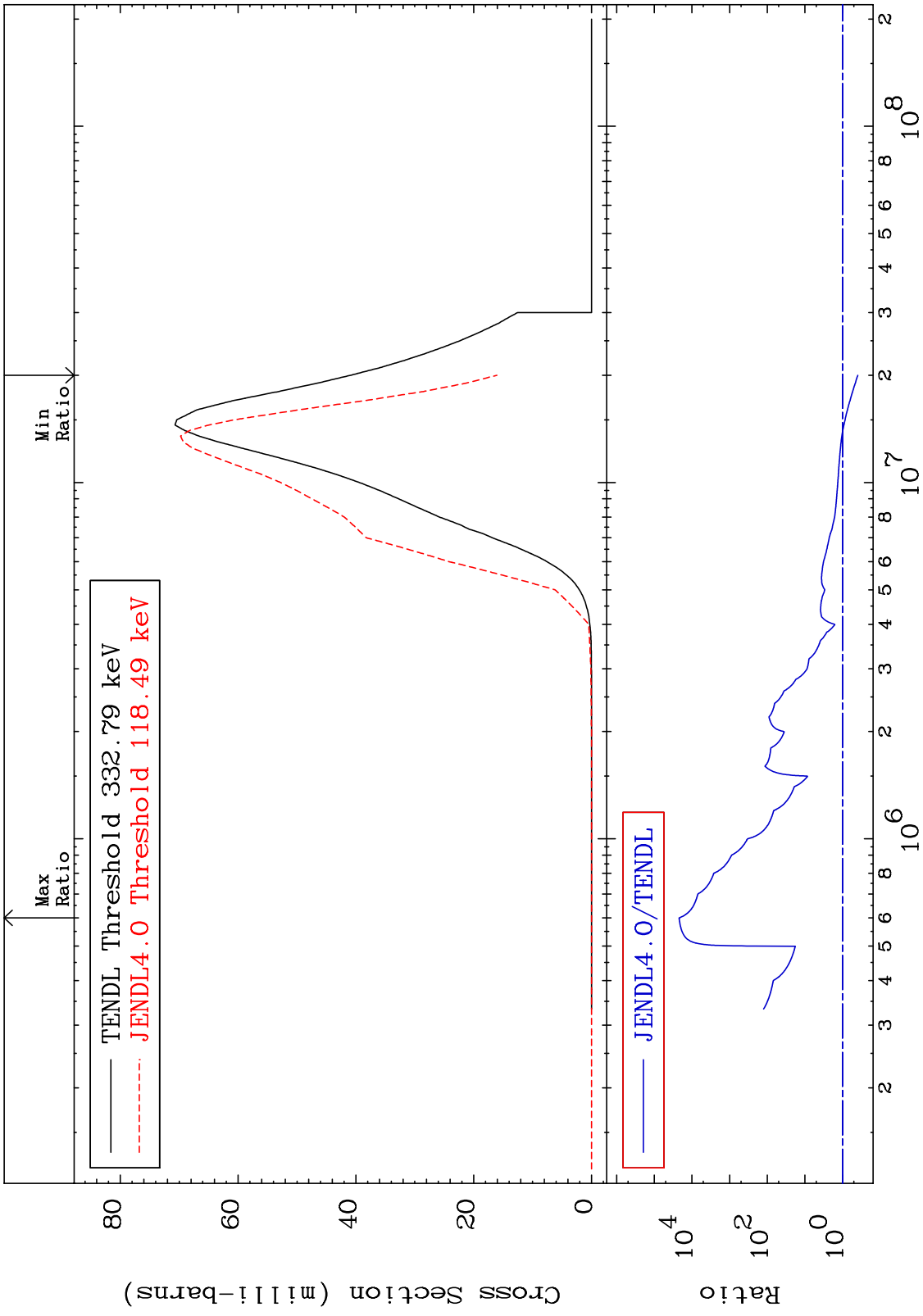


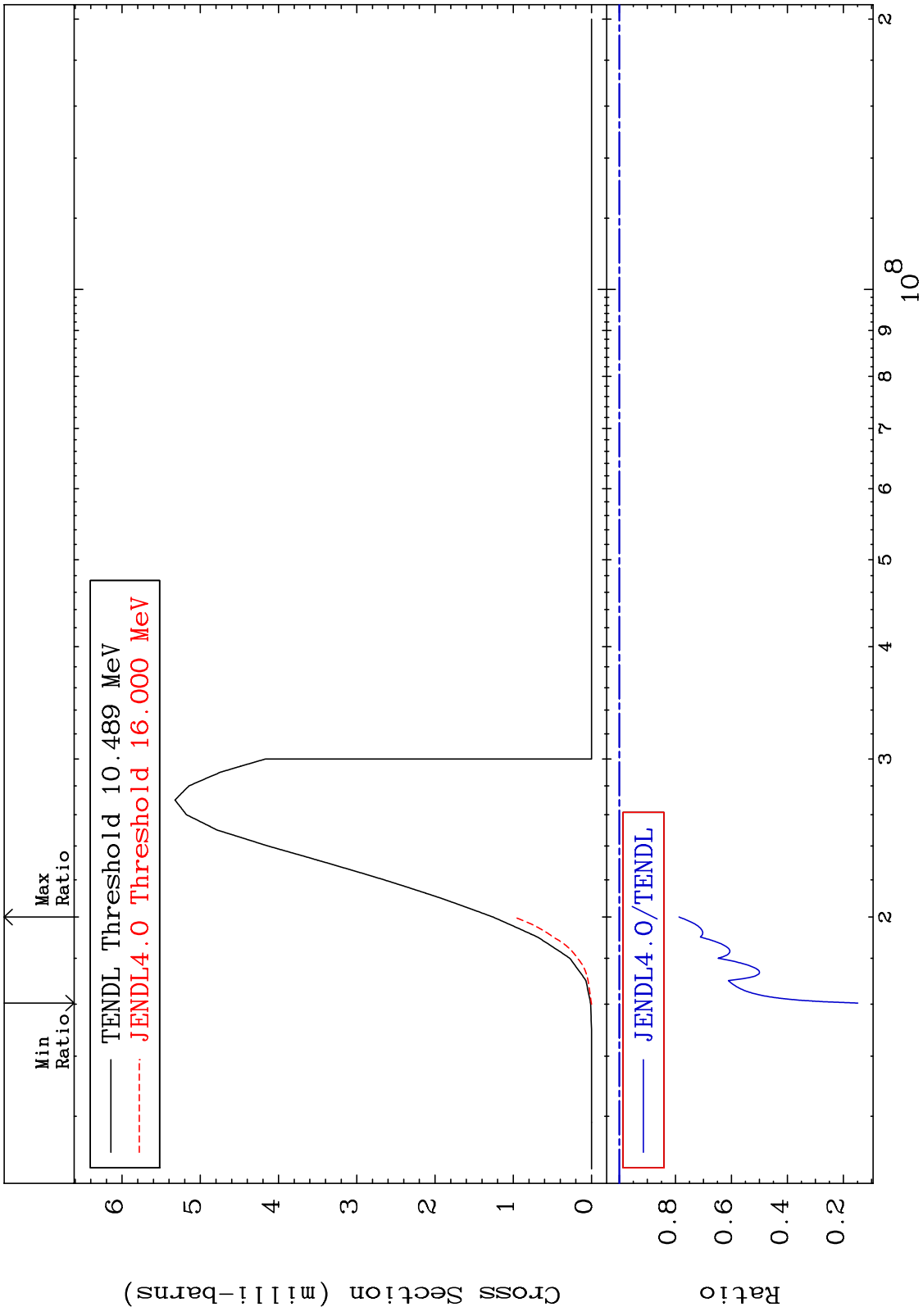
MAT 2831 (n,He-3) 28-Ni-60
 Cross Section 21.59 To 9999. %

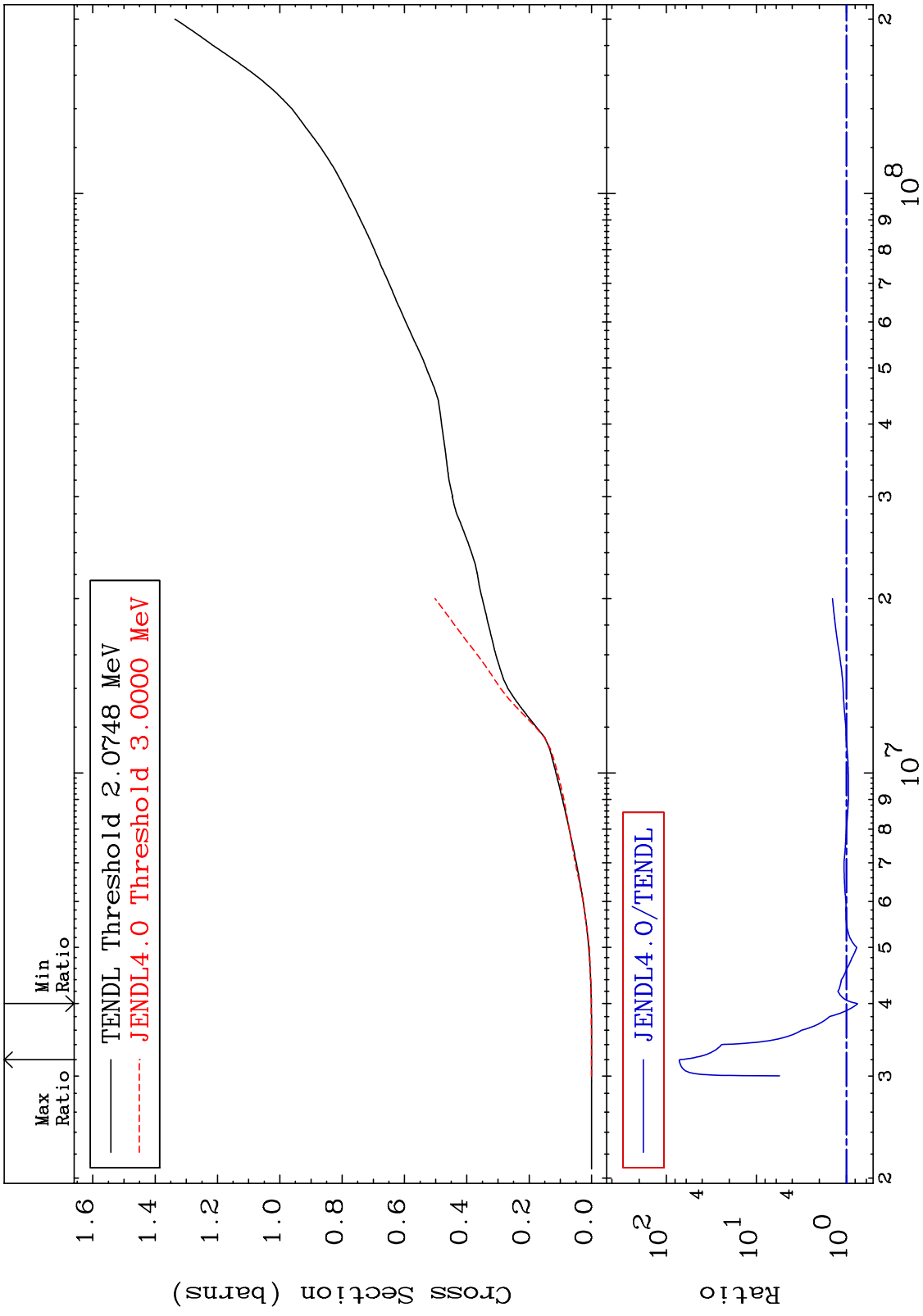


23 28-Ni-60

MAT 2831 28-Ni-60
 (n, α) -60.72 To 9999. %
 Cross Section



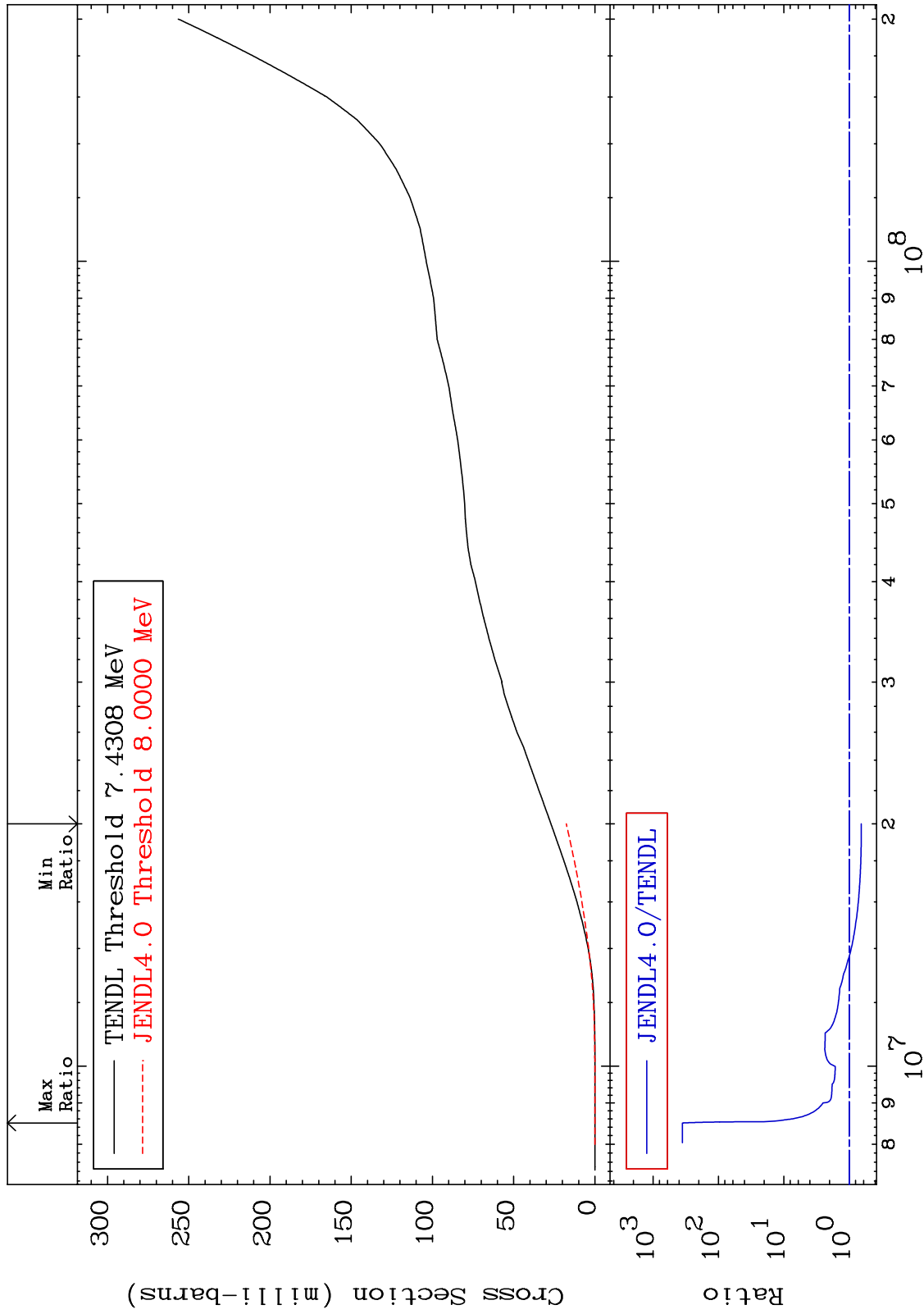




MAT 2831

Deuterium Production
Cross Section

28-Ni-60
-34.81 To 9999. %



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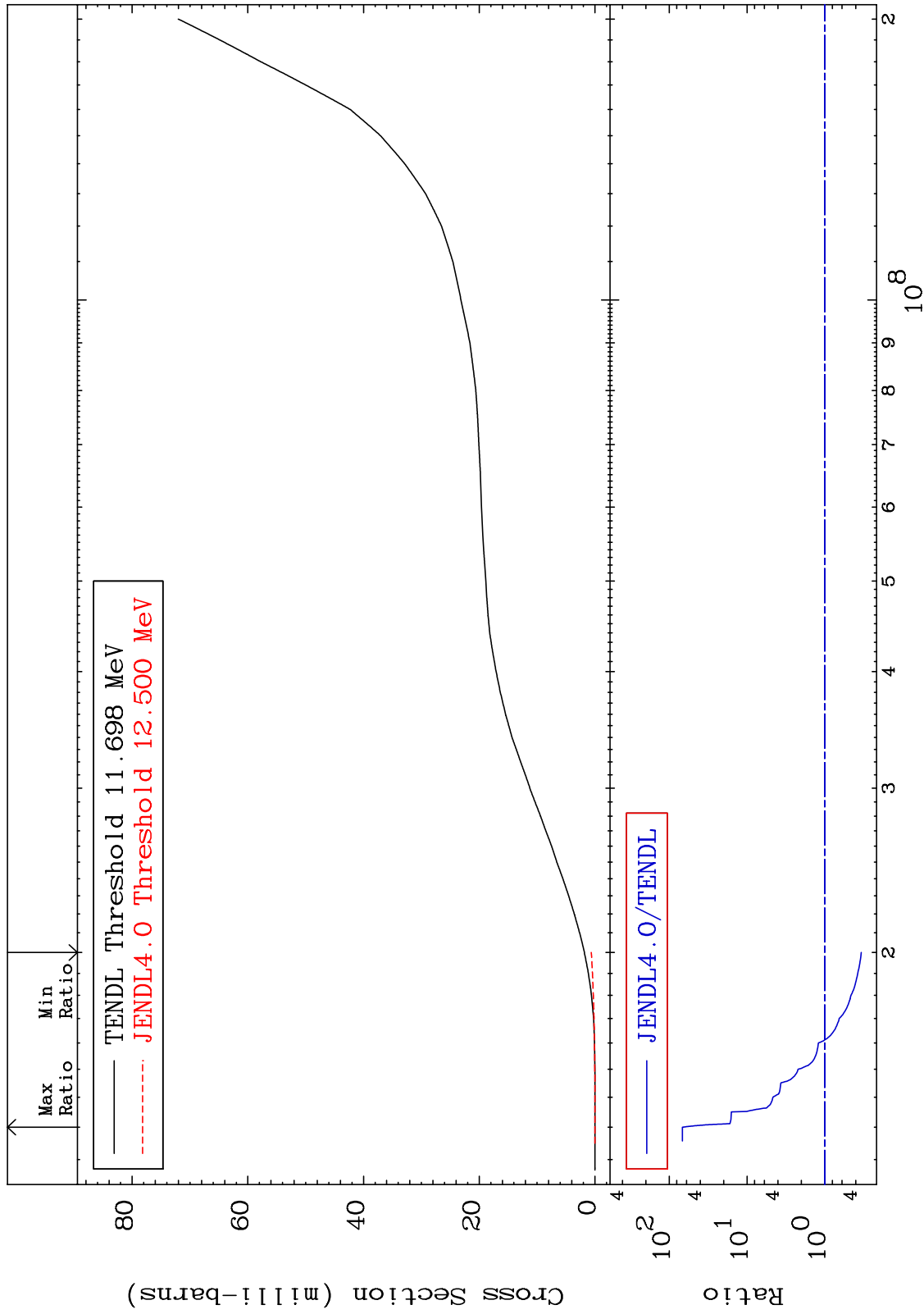
Incident Energy (eV)

28-Ni-60

MAT 2831

Tritium Production
Cross Section

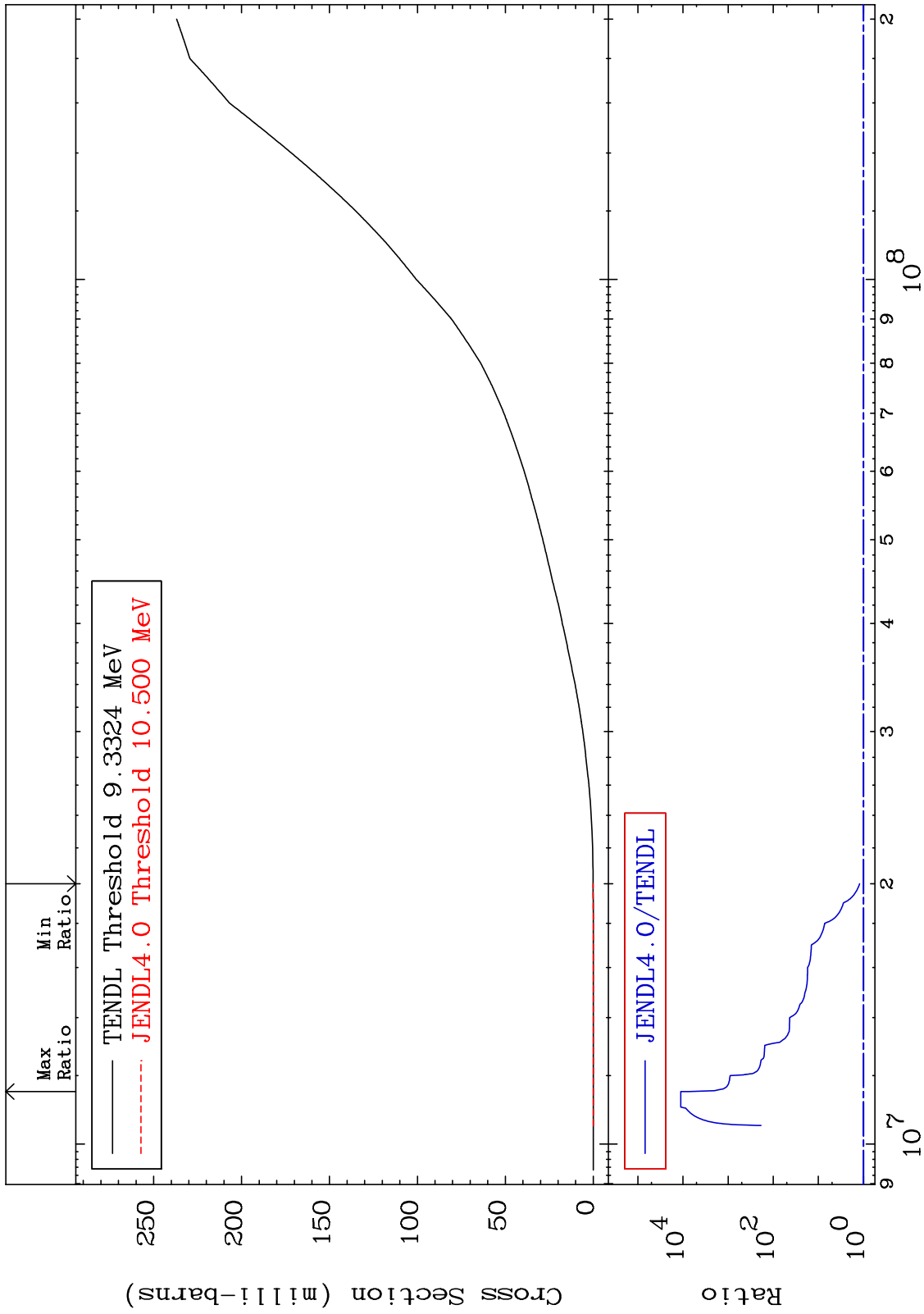
28-Ni-60
-66.07 To 6666. %



MAT 2831

He-3 Production
Cross Section

28-Ni-60
21.59 To 9999. %

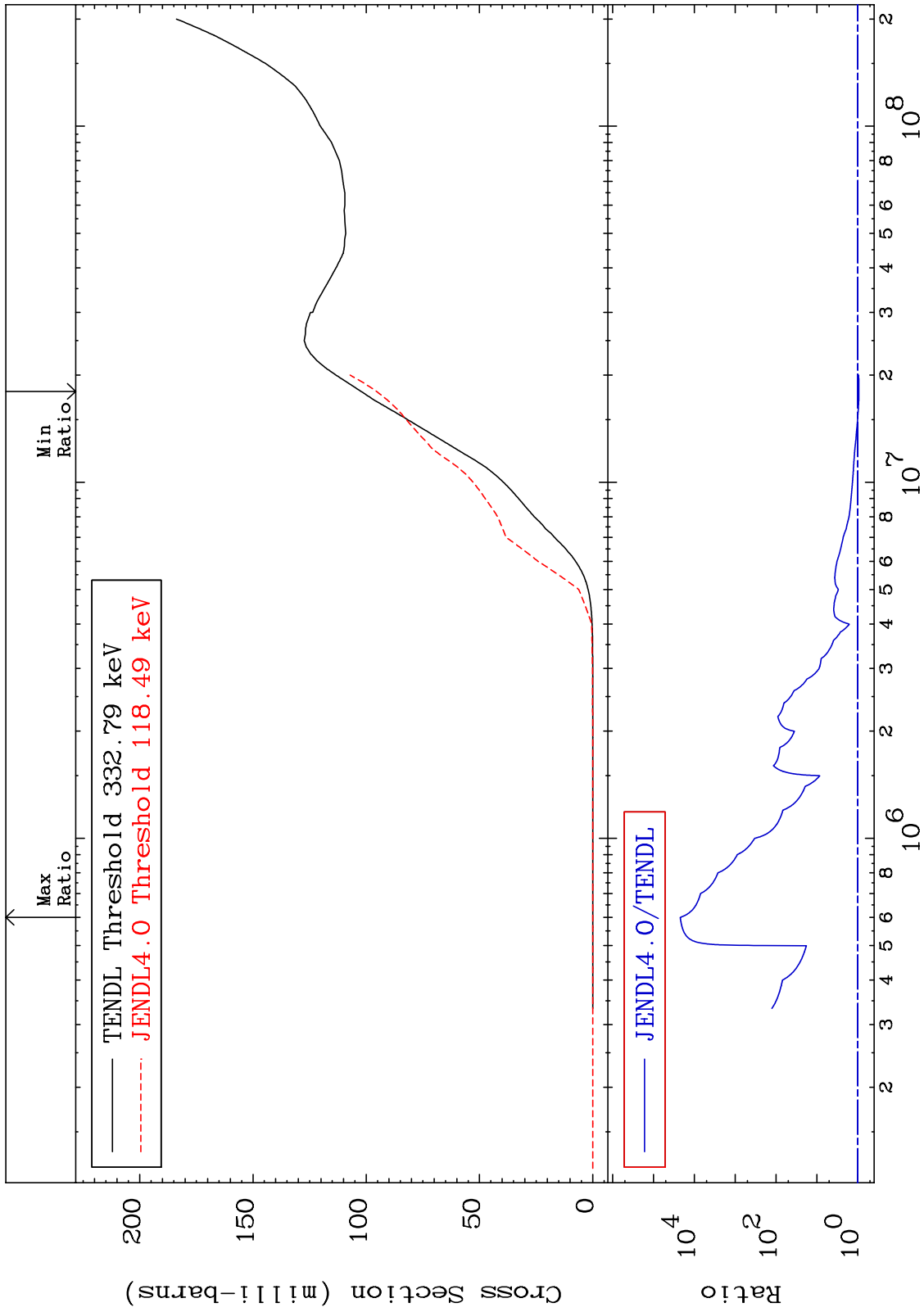


29

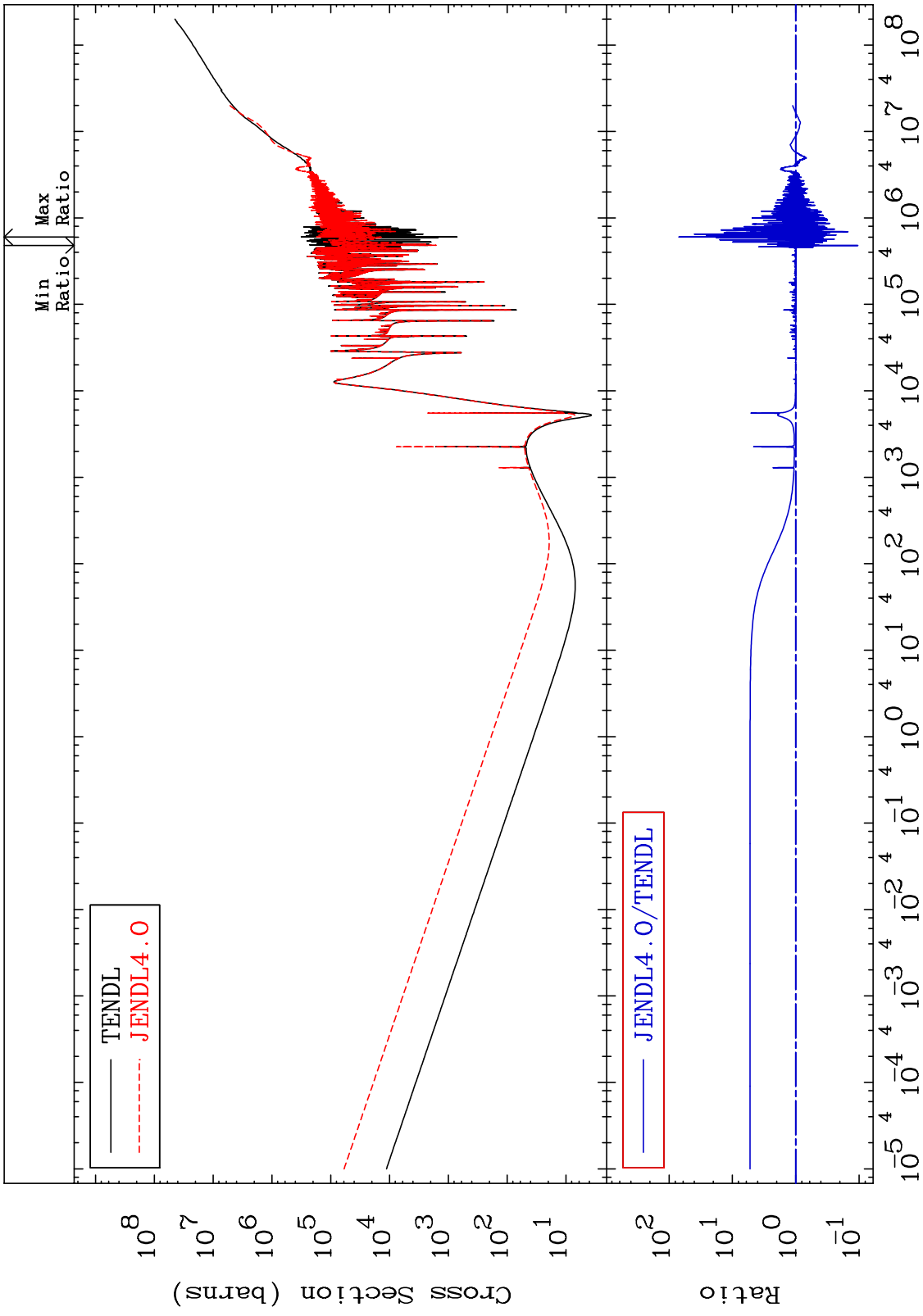
Incident Energy (eV)

28-Ni-60

MAT 2831 He-4 Production Cross Section 28-Ni-60 -6.701 To 9999. %



MAT 2831
 Kerma total (eV-barns)
 Cross Section
 28-Ni-60
 -89.56 To 6850. %

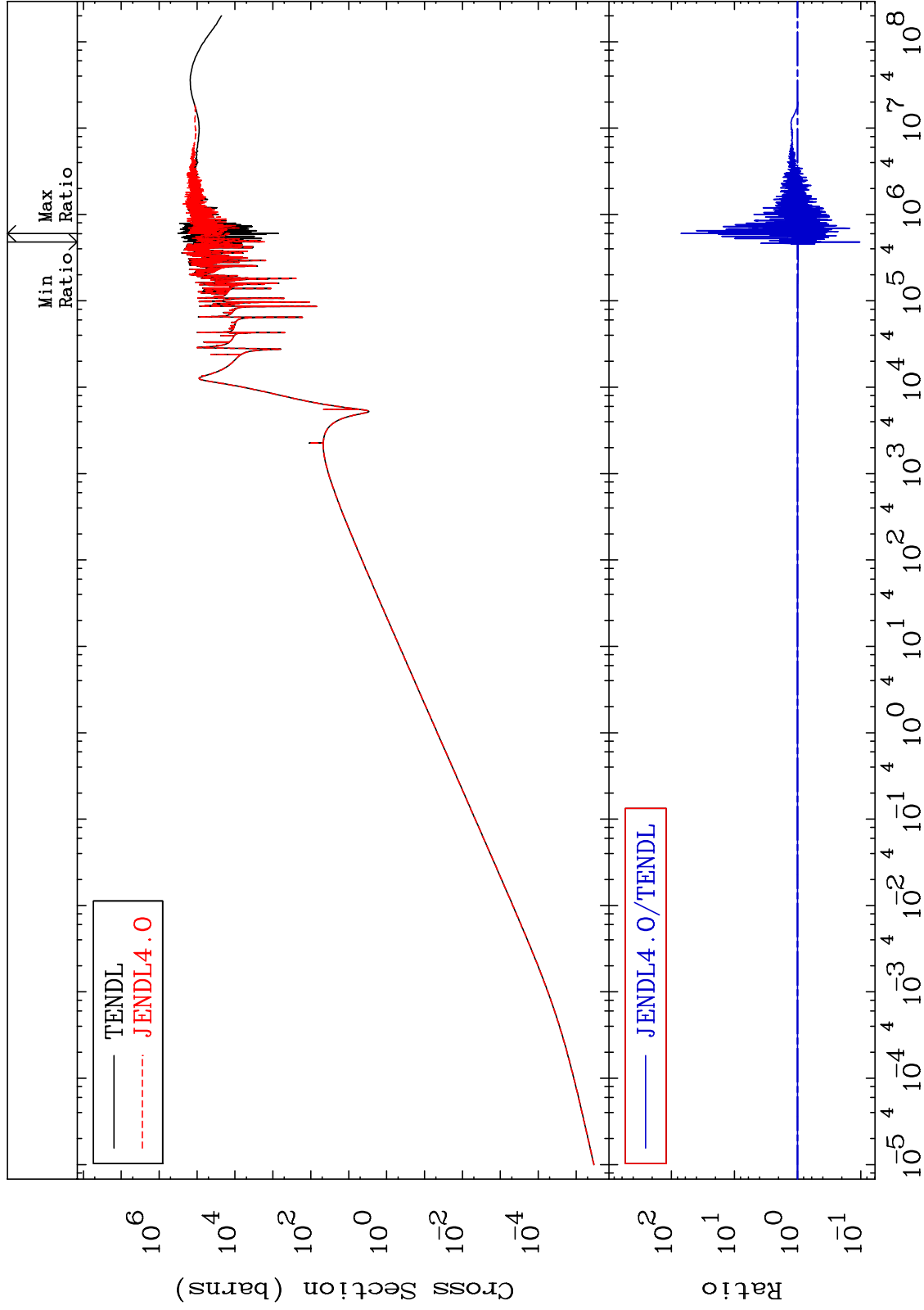


31
 28-Ni-60

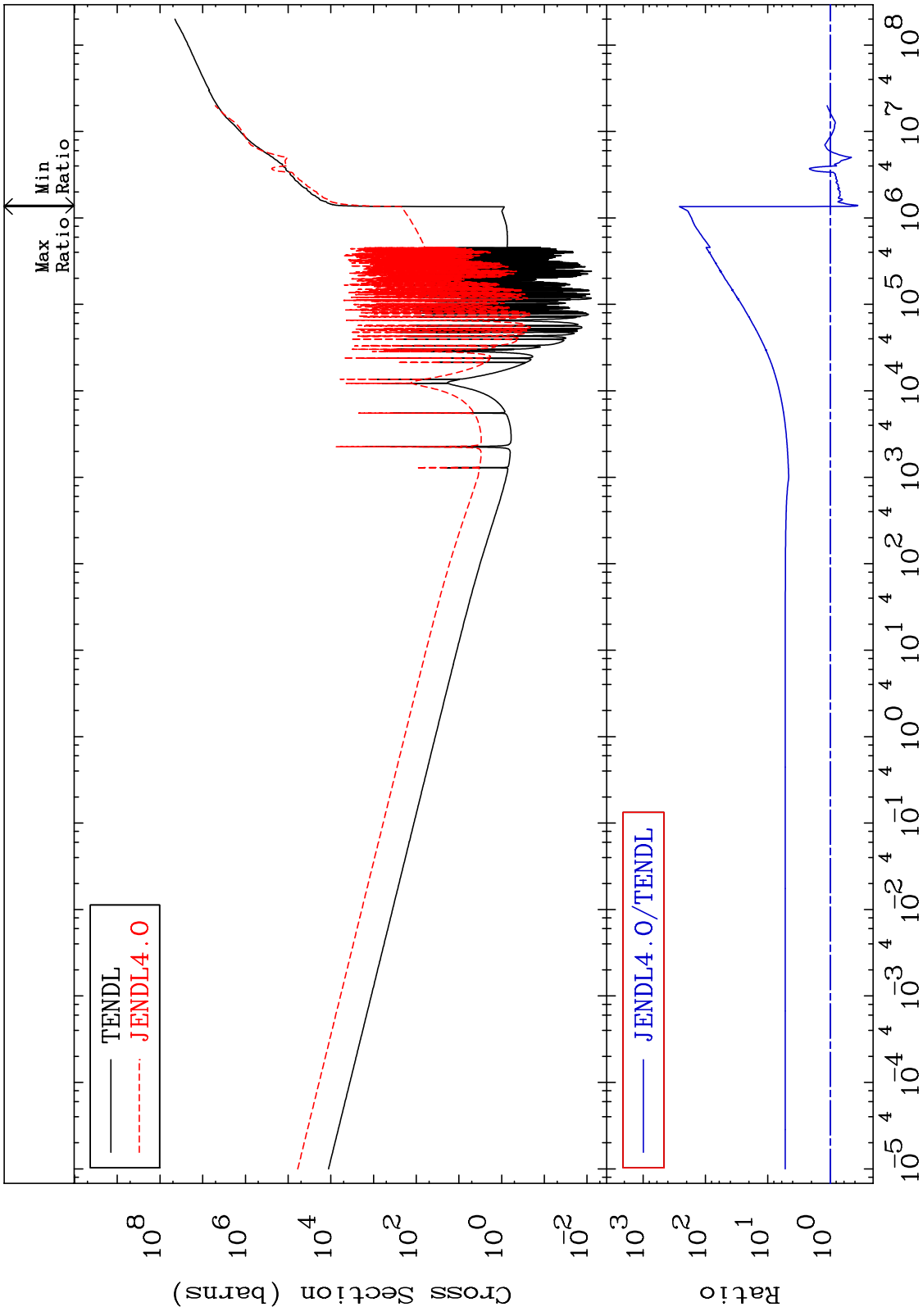
MAT 2831

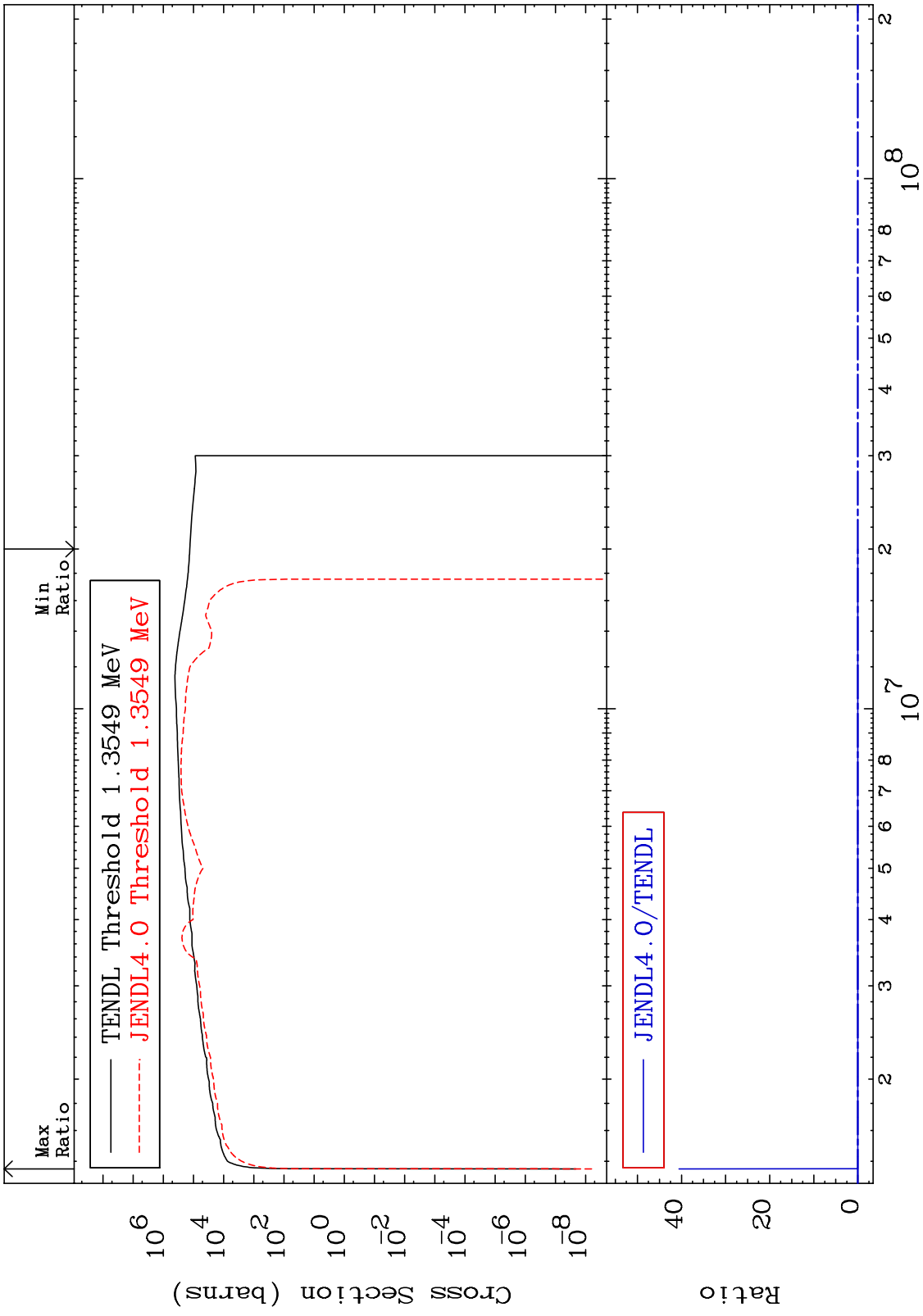
Kerma elastic
Cross Section

28-Ni-60
-89.63 To 6846. %



MAT 2831 Kerma non-elastic (all but mt2) 28-Ni-60
 Cross Section -64.01 To 9999. %

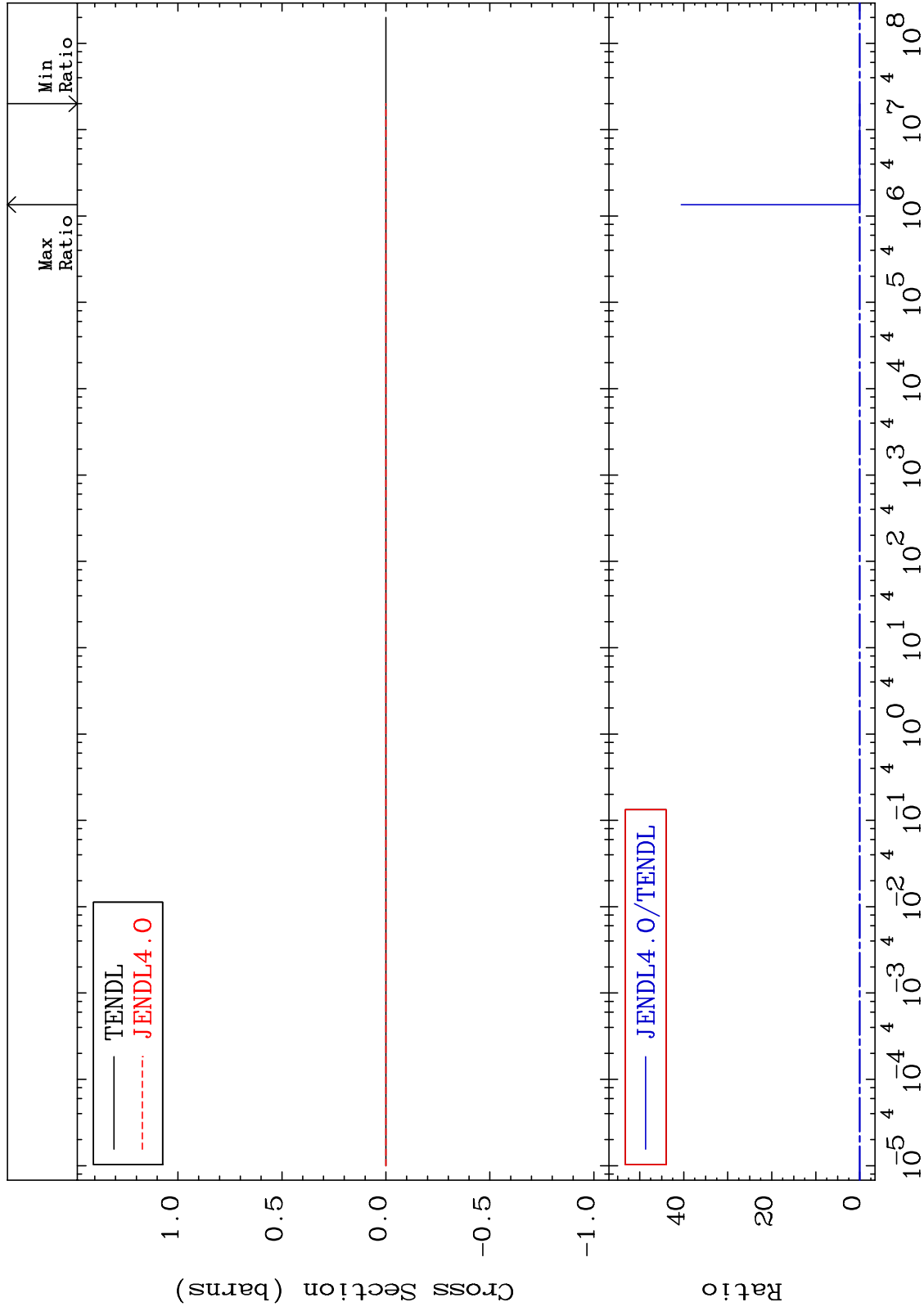




MAT 2831

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

28-Ni-60
-105.8 To 9999. %

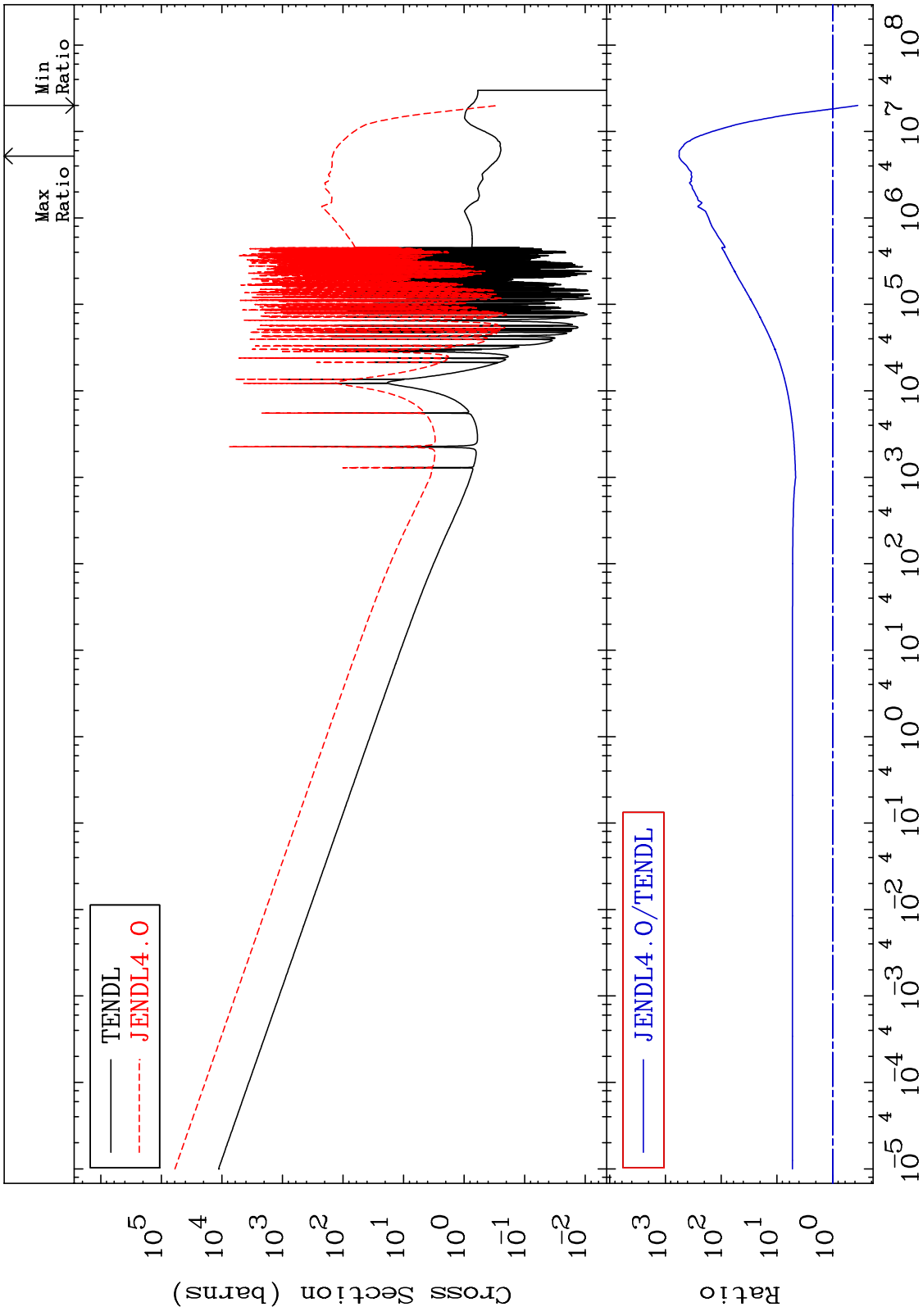


35

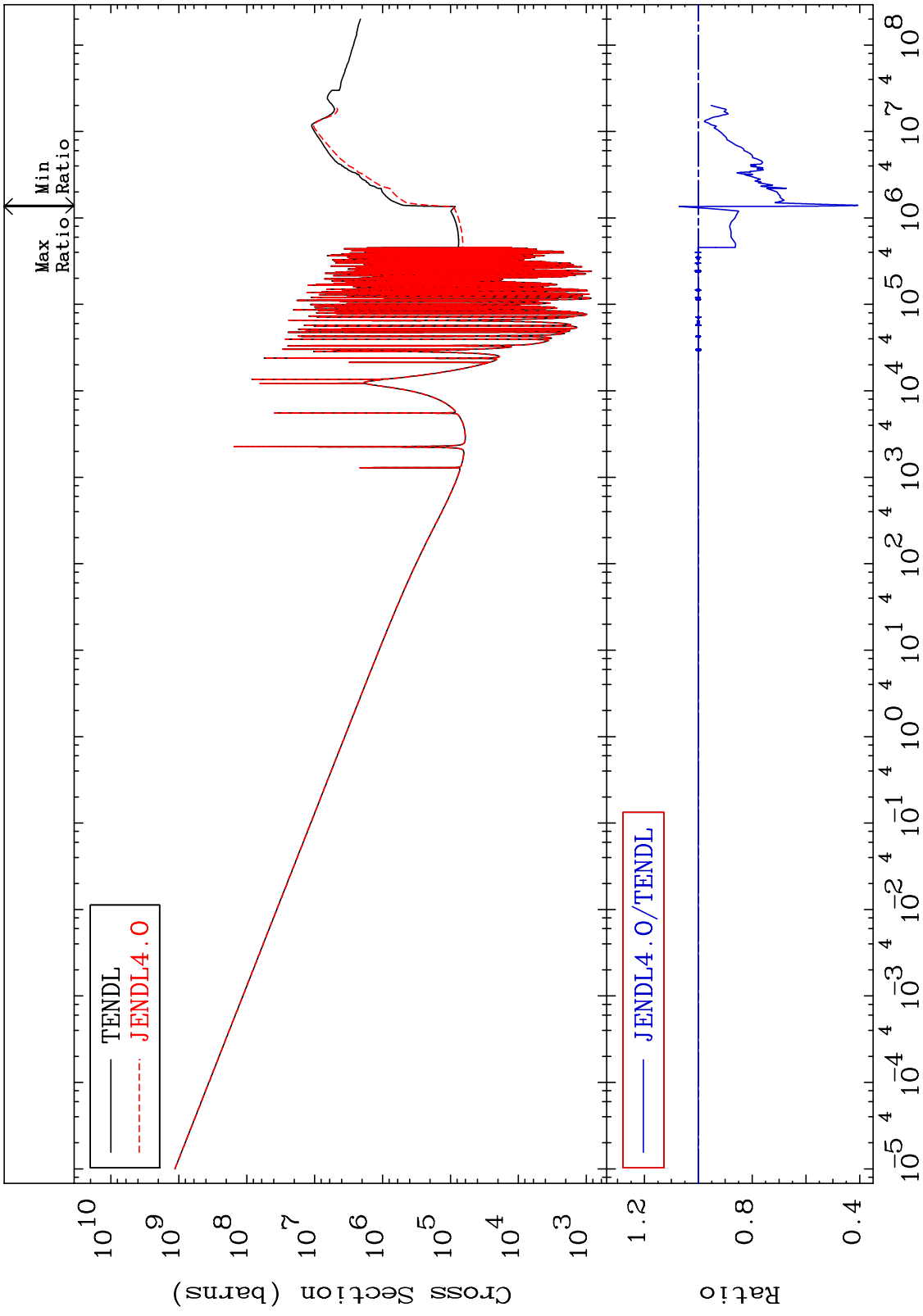
Incident Energy (eV)

28-Ni-60

MAT 2831 Kerma capture (mt102) 28-Ni-60
 Cross Section -64.63 To 9999. %

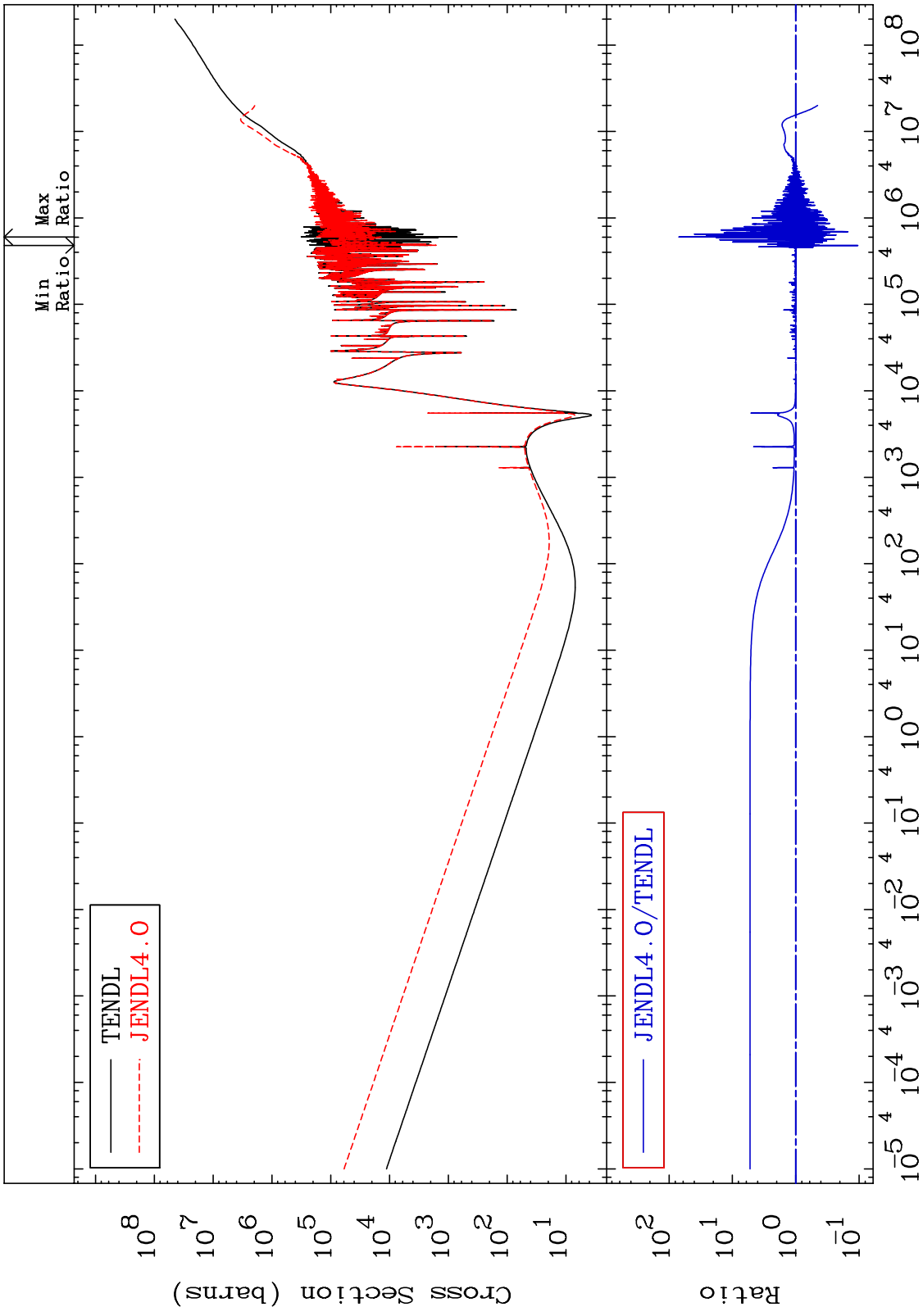


MAT 2831 28-Ni-60
 Total photon (eV-barns) -59.29 To 7.149 %
 Cross Section



Incident Energy (eV) 28-Ni-60

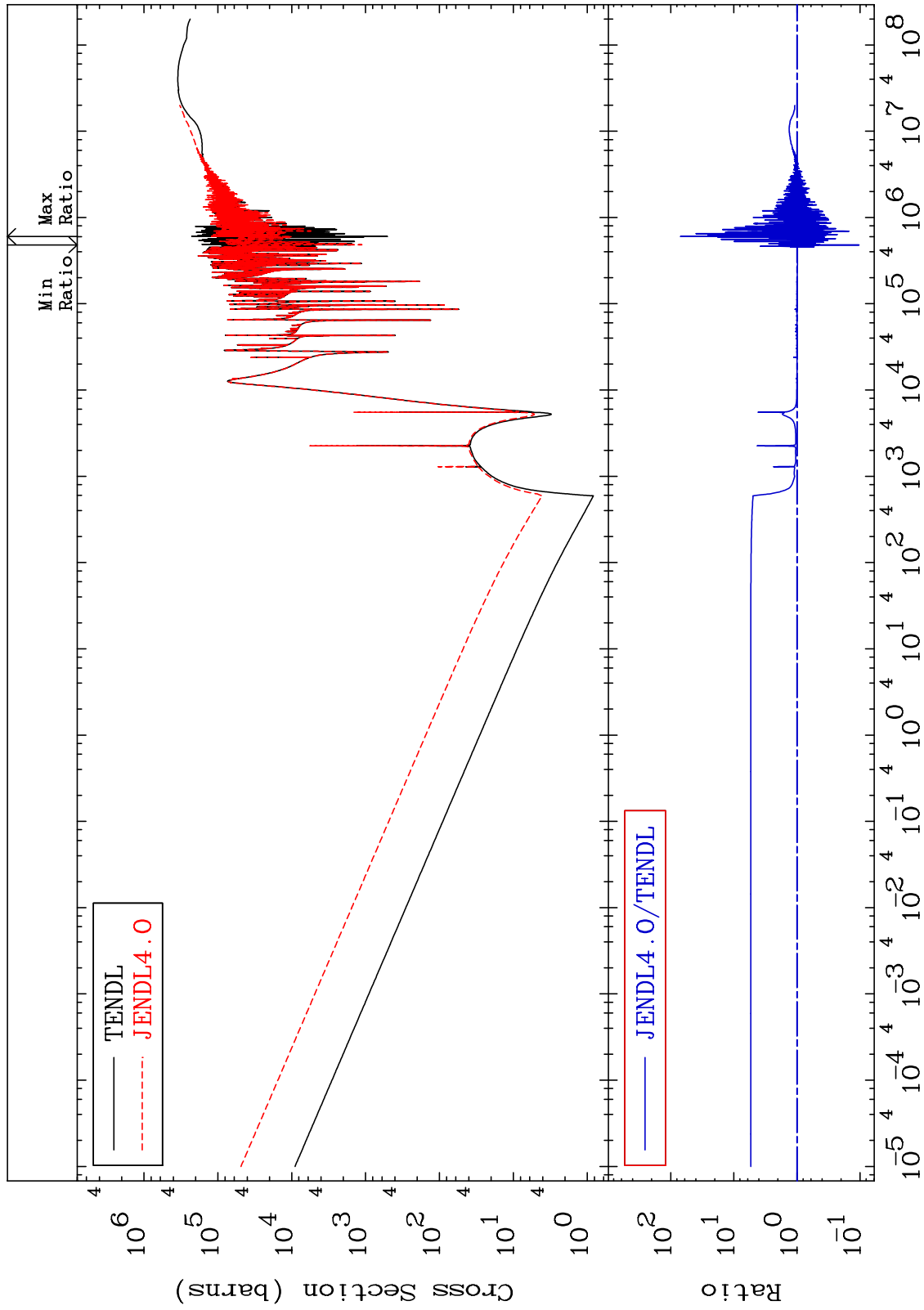
MAT 2831 Total kinematic kerma (high limit) Cross Section 28-Ni-60 -89.56 To 6850. %



MAT 2831

Dpa total (eV-barns)
Cross Section

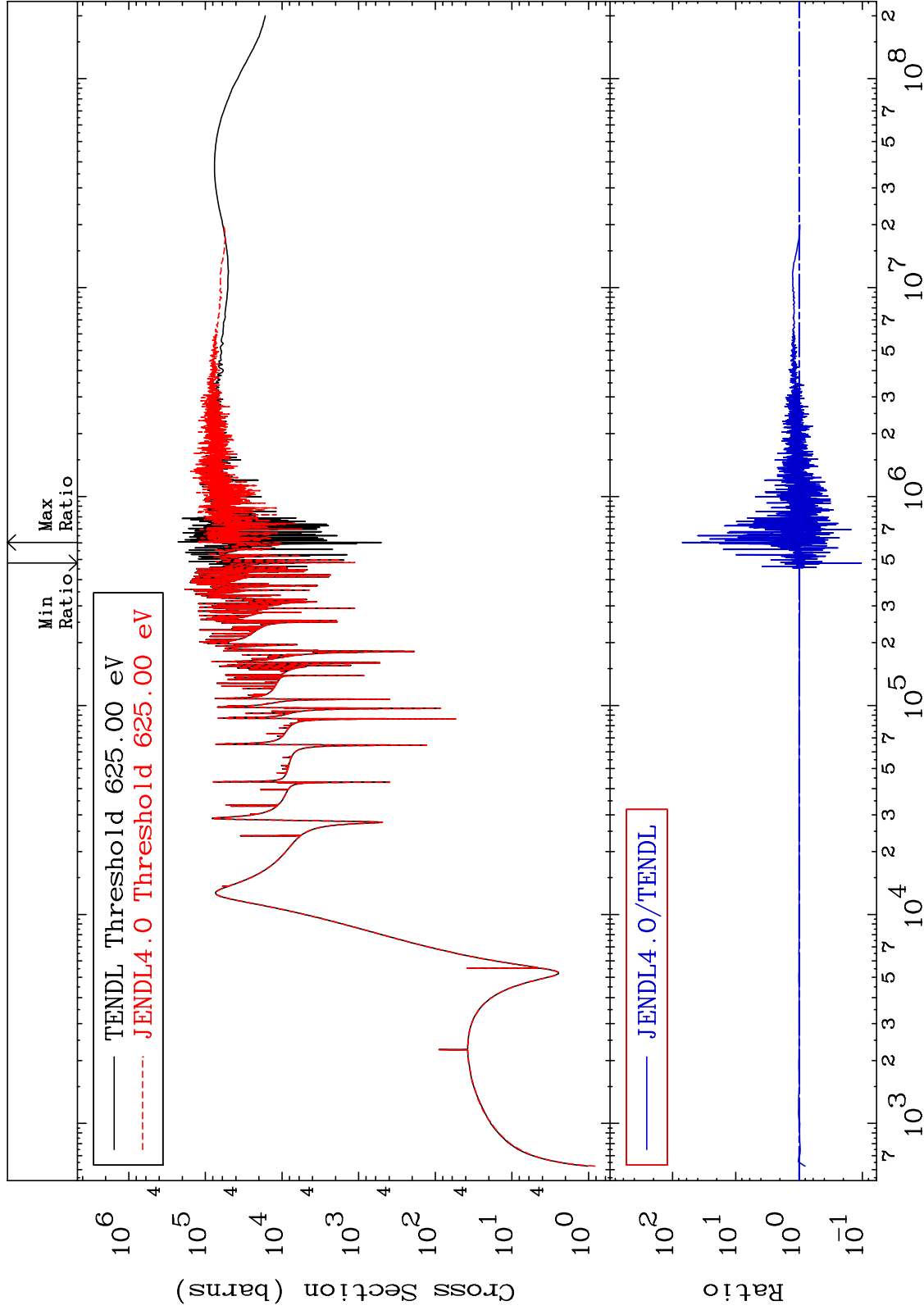
28-Ni-60
-89.61 To 6850. %



MAT 2831

Dpa elastic (mt2)
Cross Section

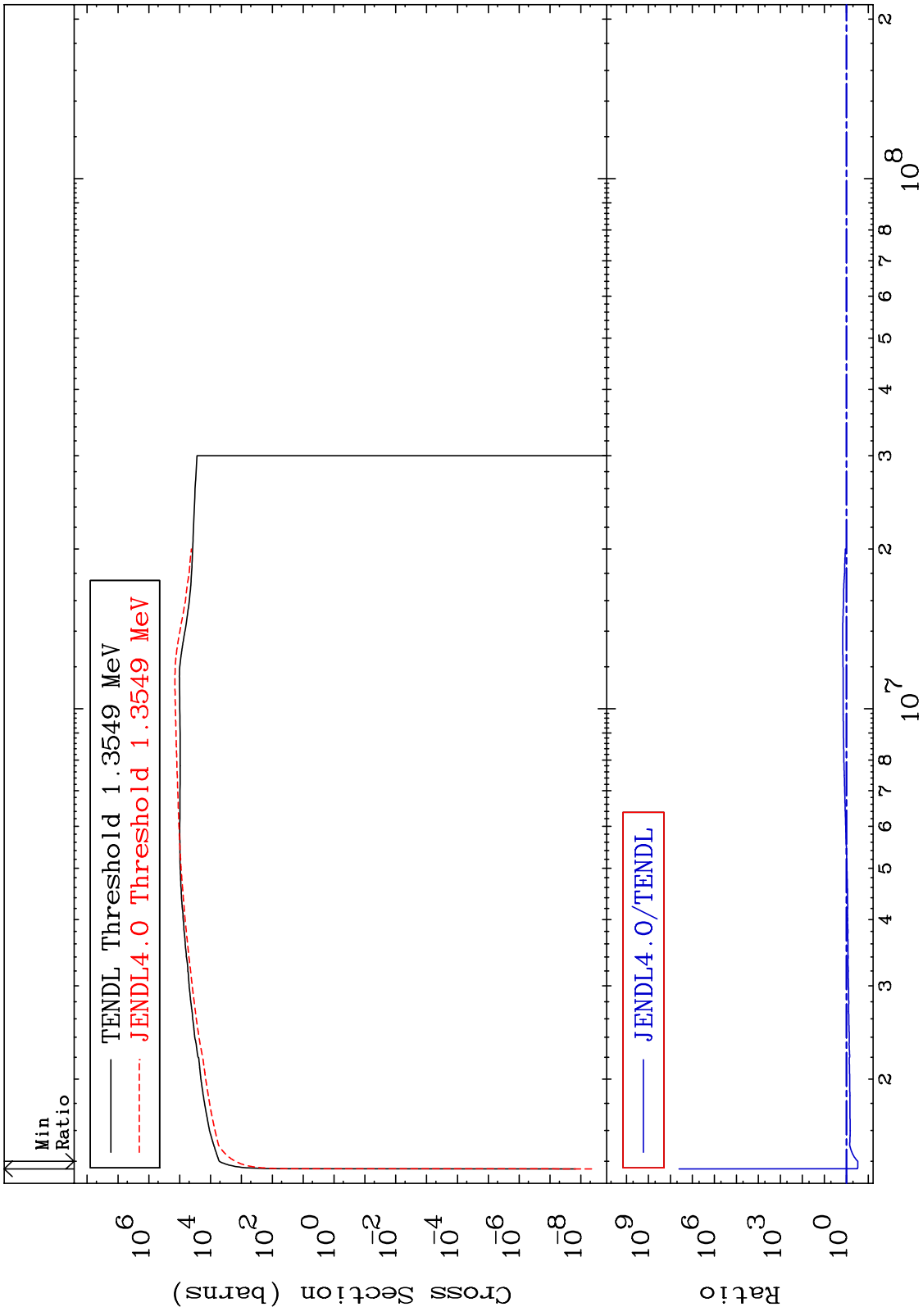
28-Ni-60
-89.61 To 6858. %



40

Incident Energy (eV)

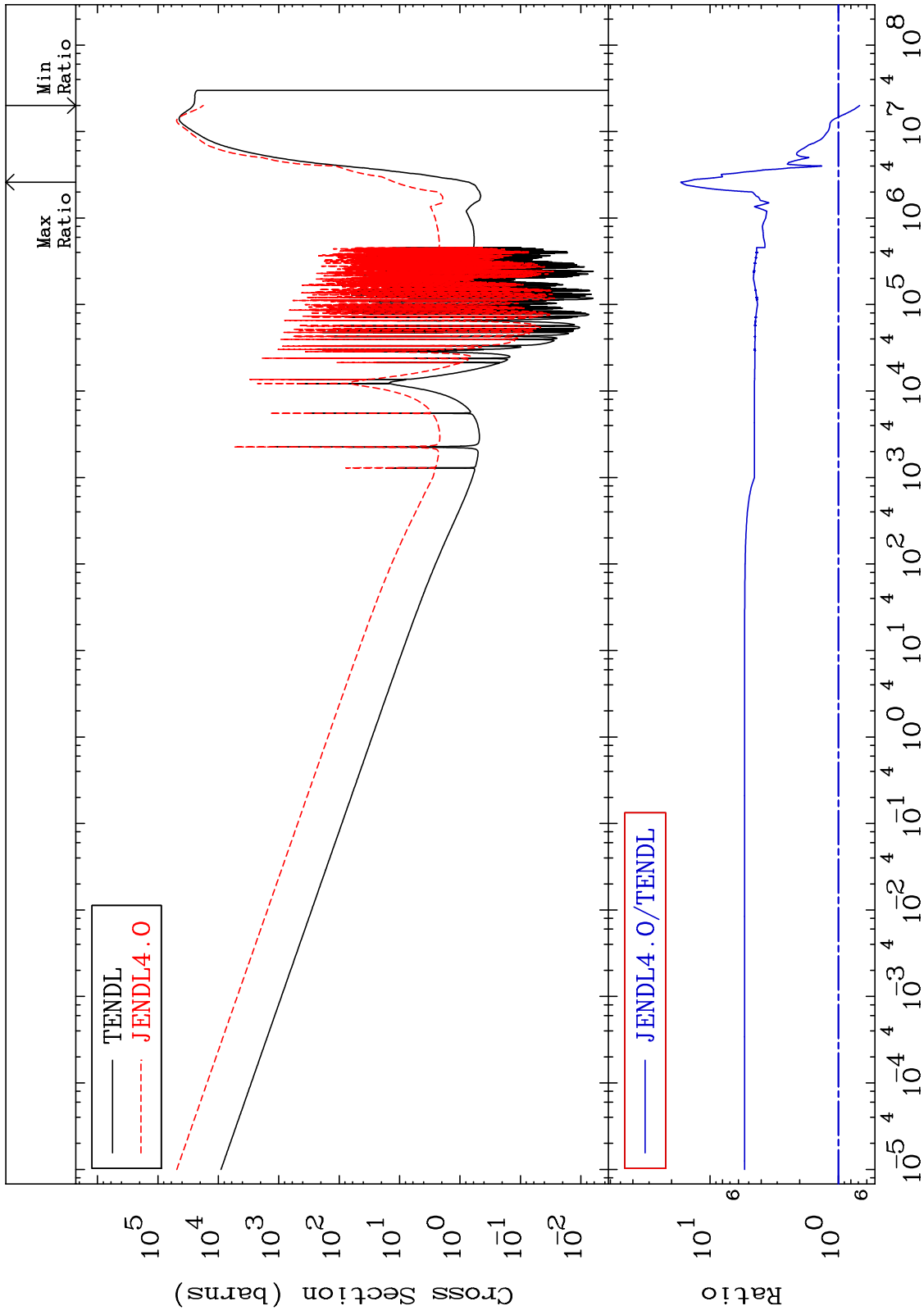
28-Ni-60

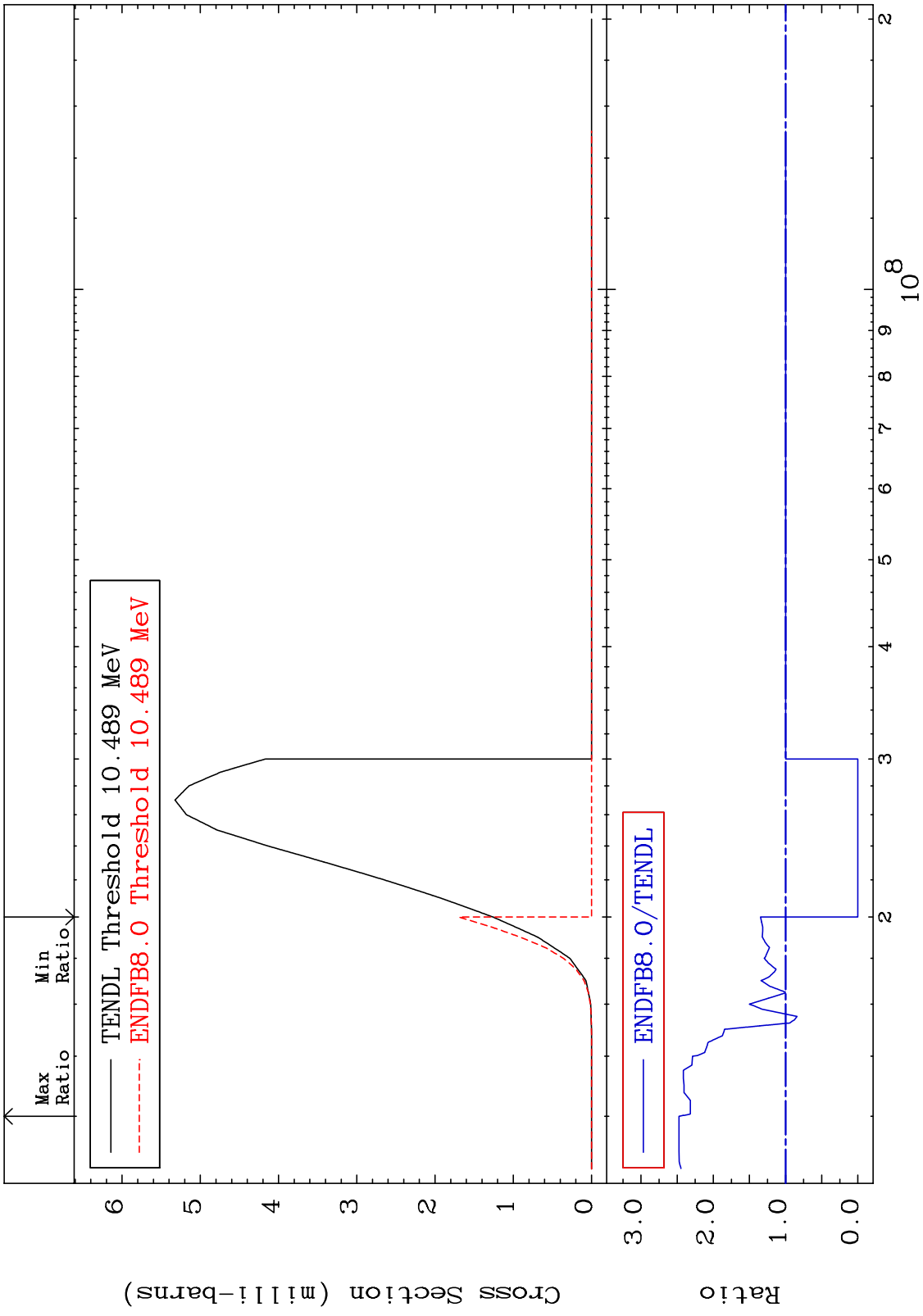


MAT 2831

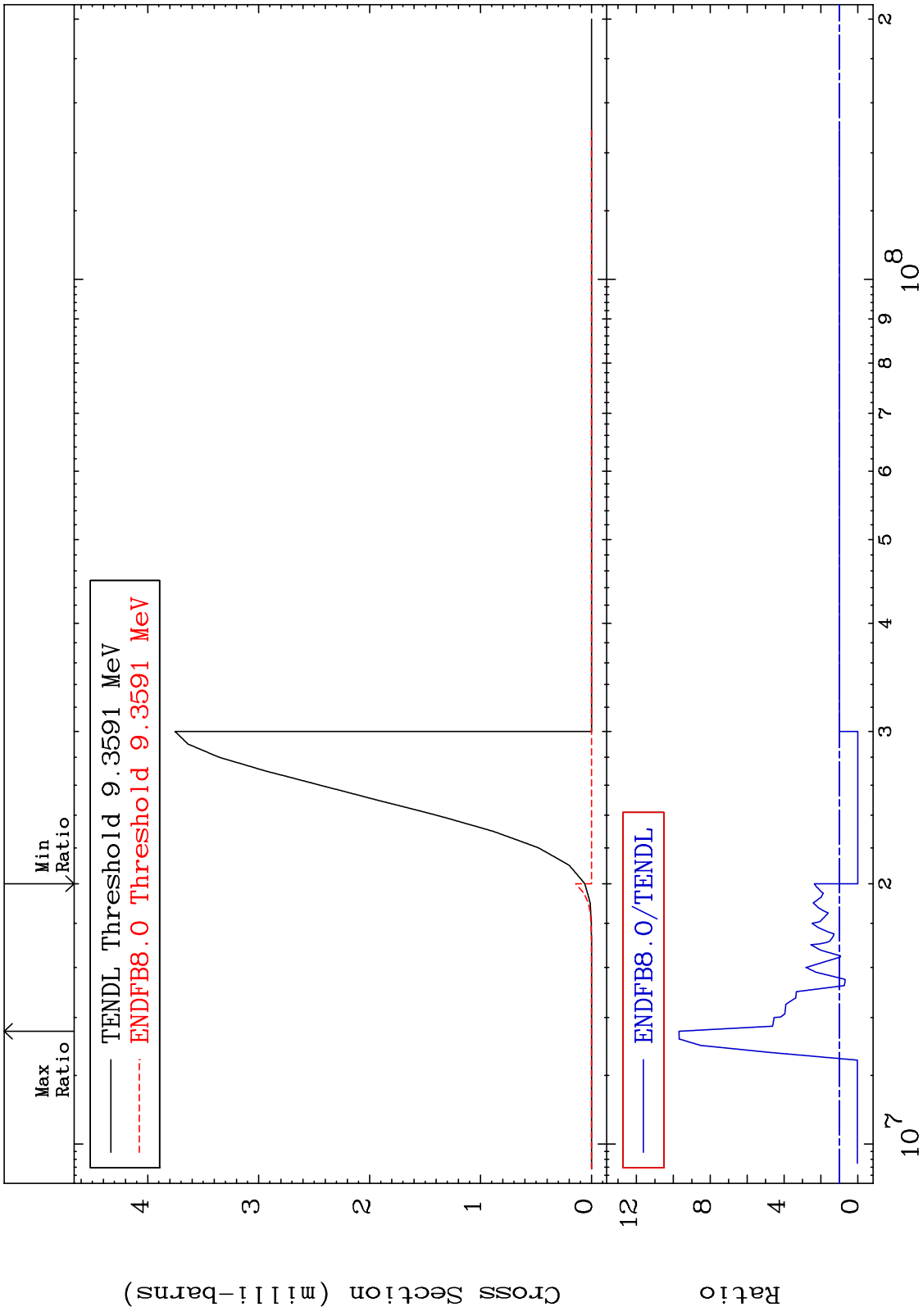
Dpa disappearance (mt102 -120)
Cross Section

28-Ni-60
-31.80 To 1593. %

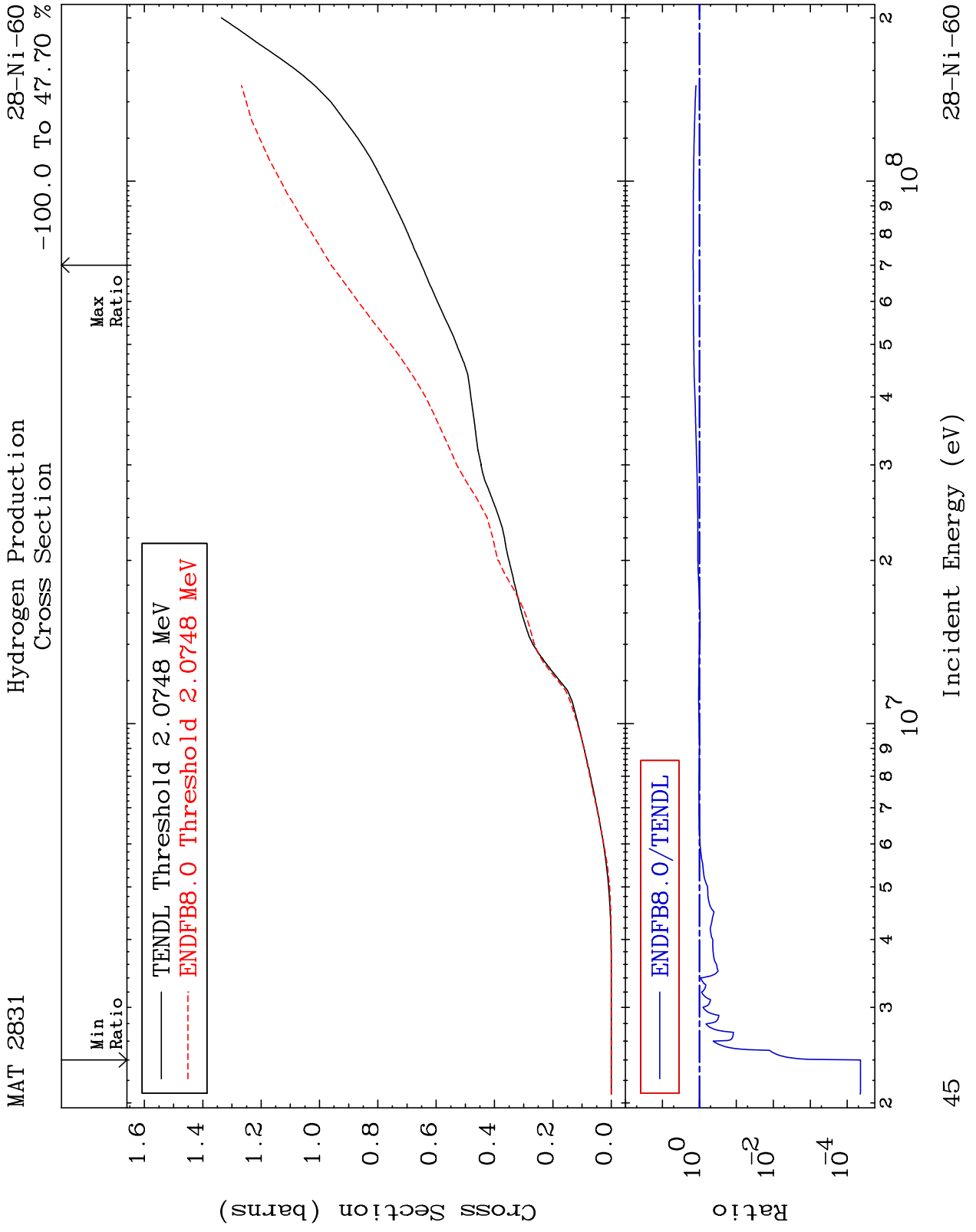




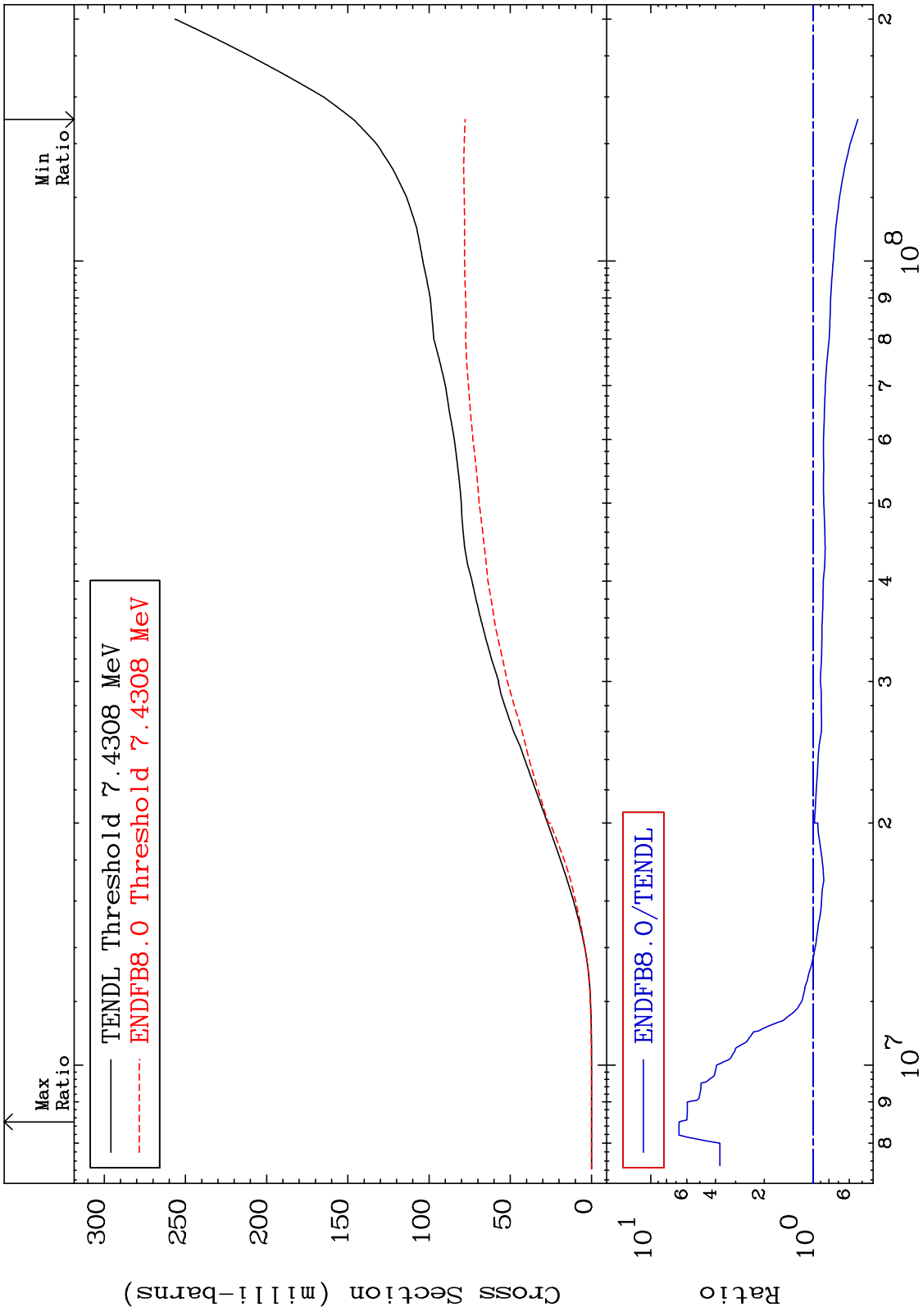
MAT 2831 (n,p) α 28-Ni-60
 Cross Section -100.0 To 869.1 %



44 28-Ni-60

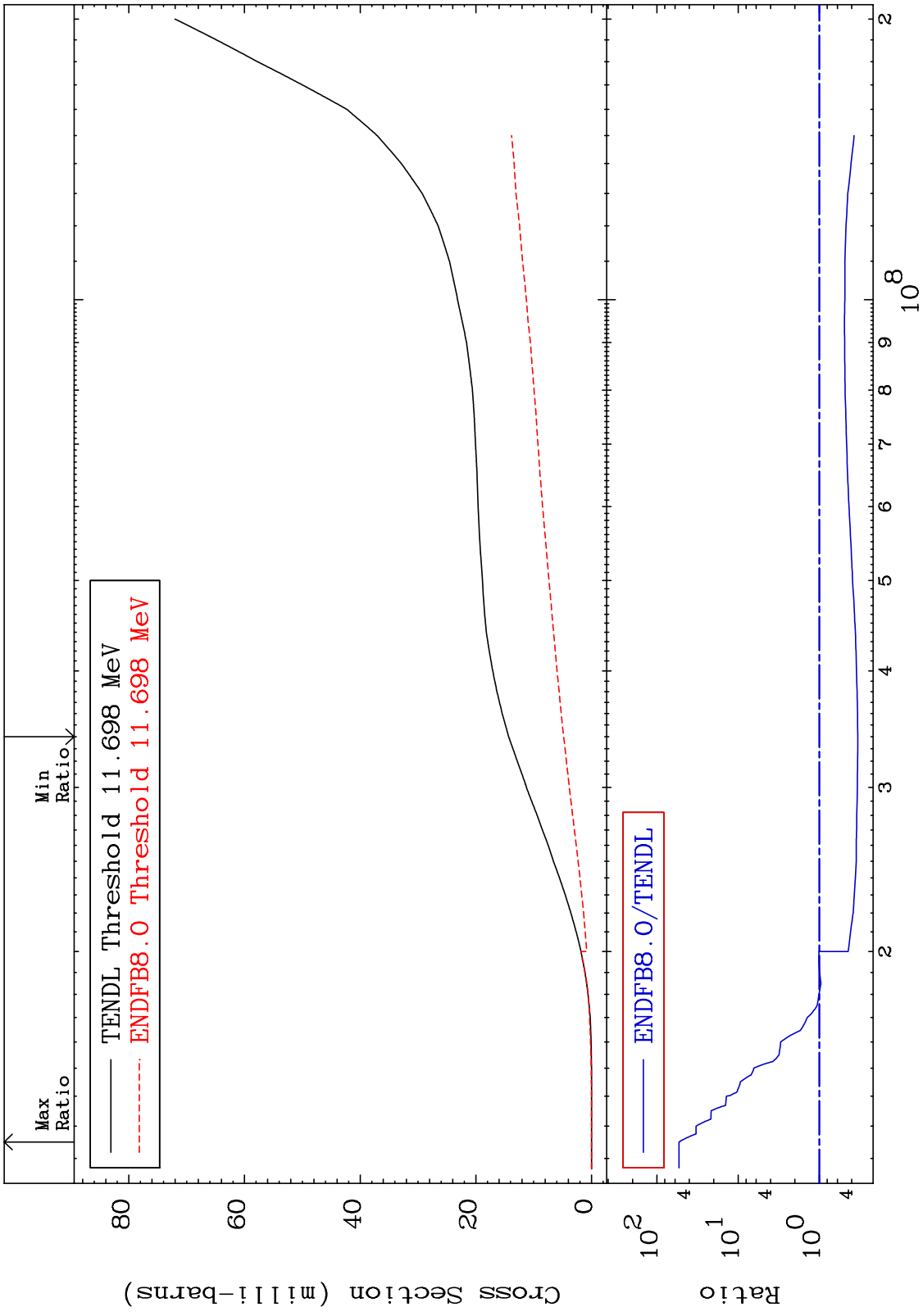


MAT 2831 Deuterium Production Cross Section 28-Ni-60 -46.91 To 569.6 %

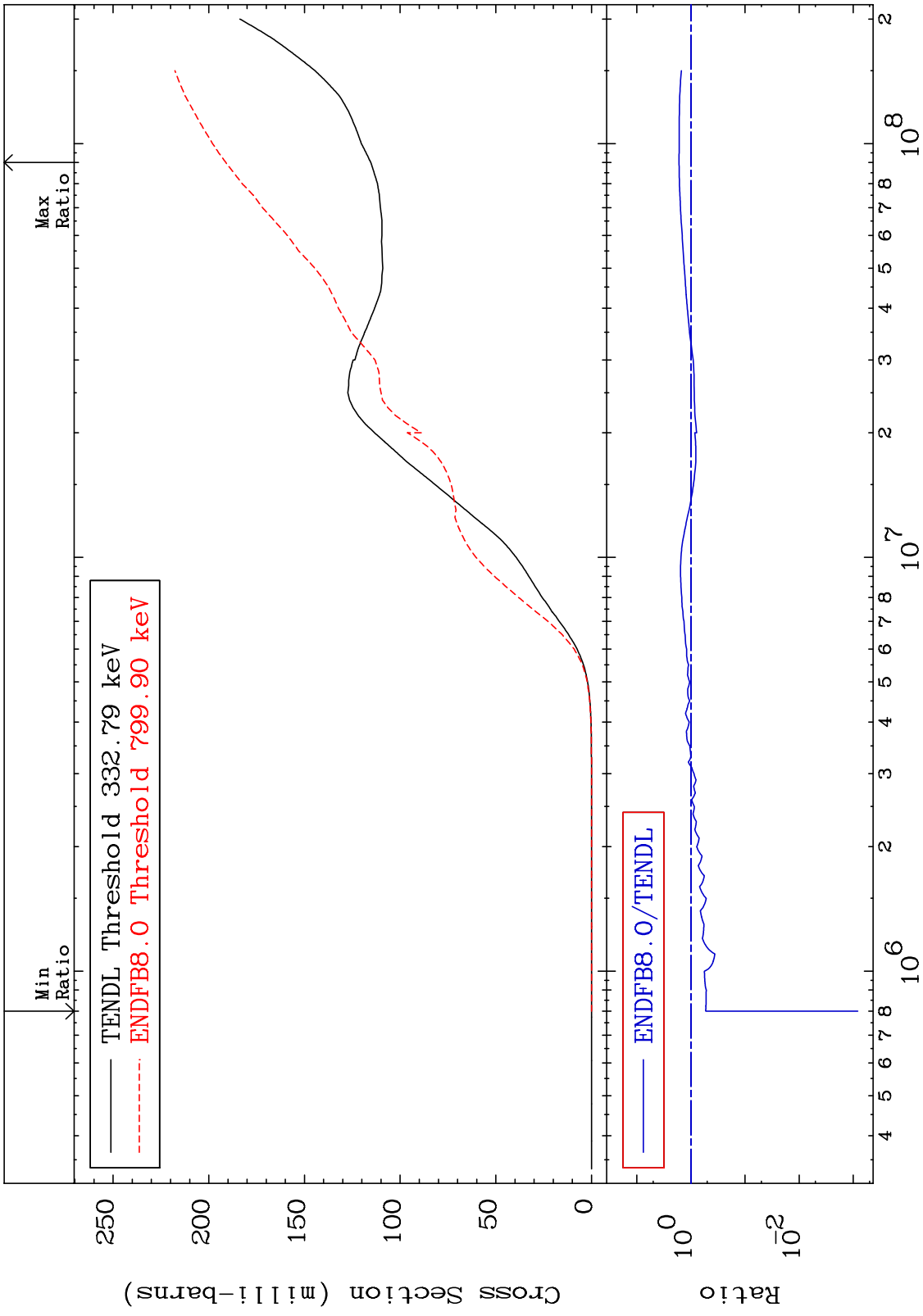


46 28-Ni-60

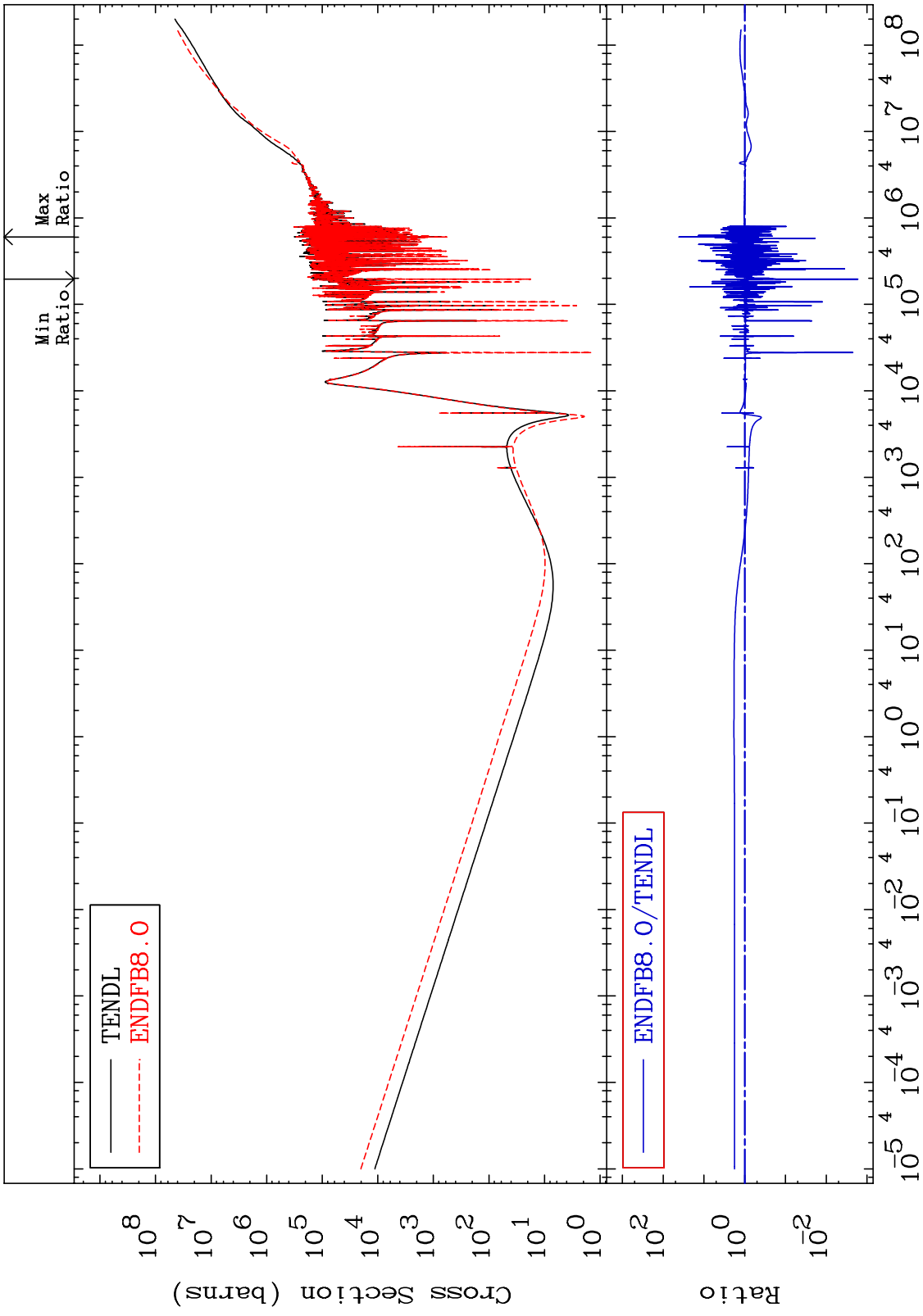
MAT 2831 Tritium Production Cross Section 28-Ni-60 -66.40 To 5249. %



MAT 2831 He-4 Production Cross Section 28-Ni-60 -99.92 To 65.67 %



MAT 2831 Kerma total (eV-barns) Cross Section 28-Ni-60 -99.83 To 3987. %

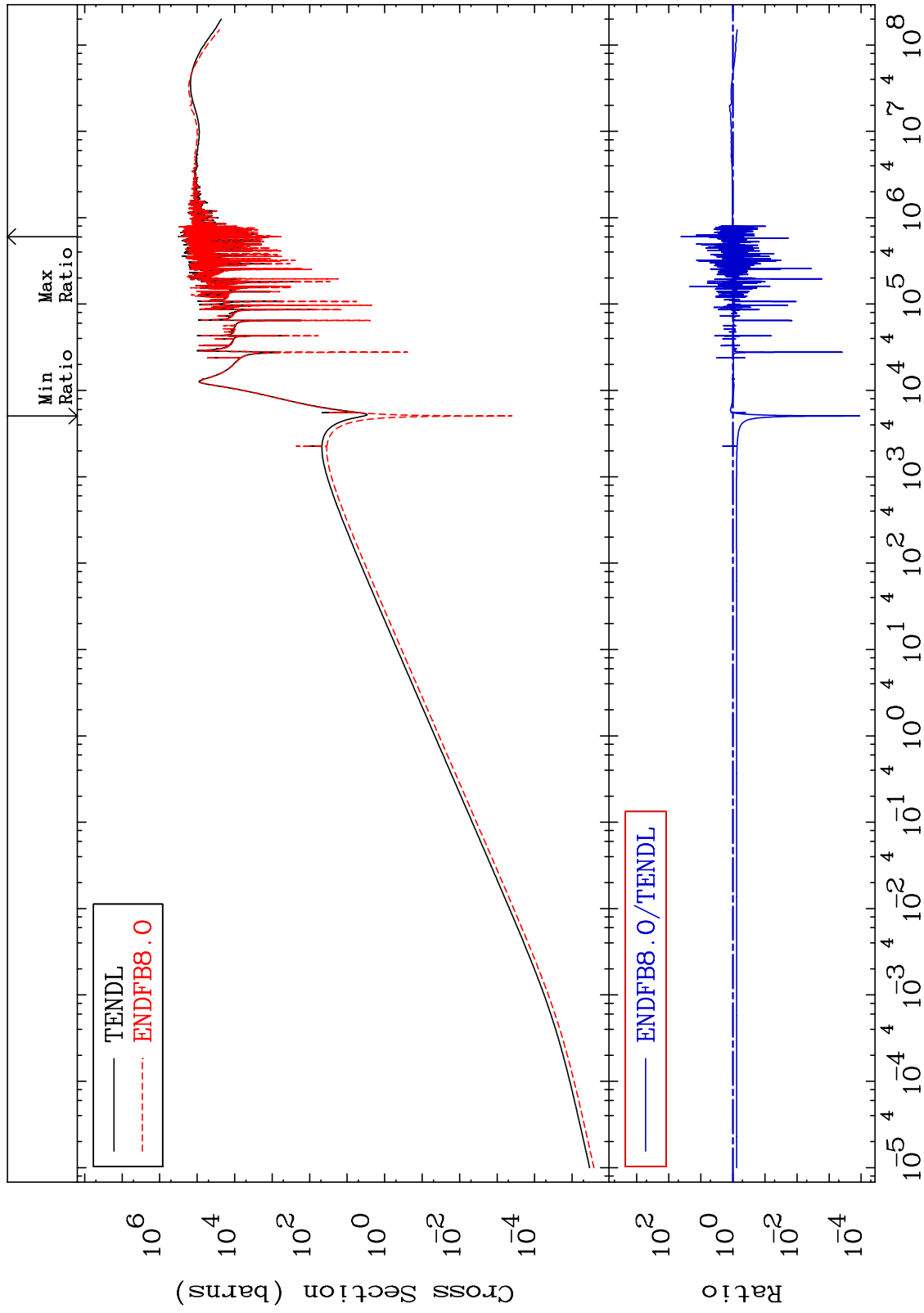


49 Incident Energy (eV) 28-Ni-60

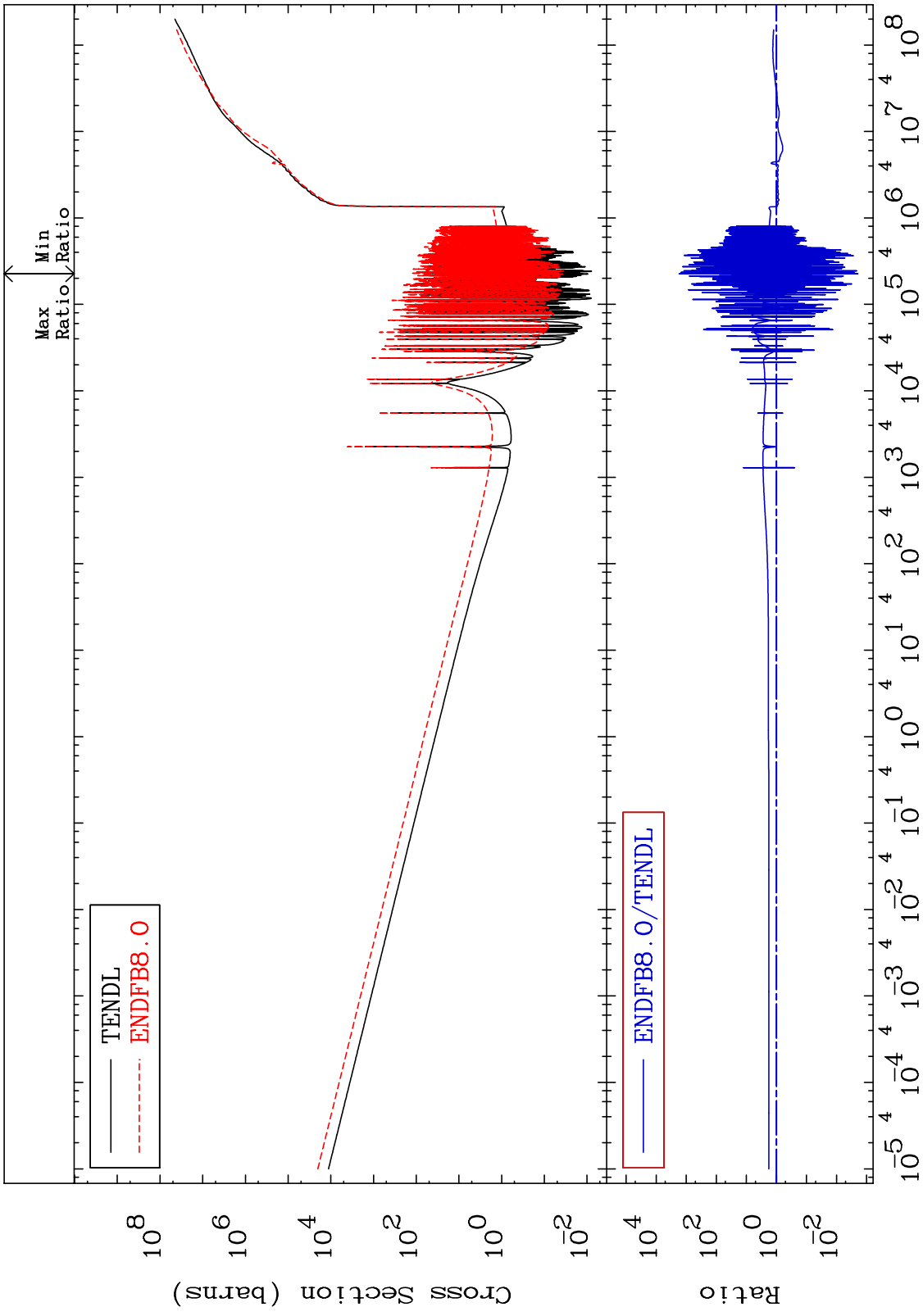
MAT 2831

Kerma elastic
Cross Section

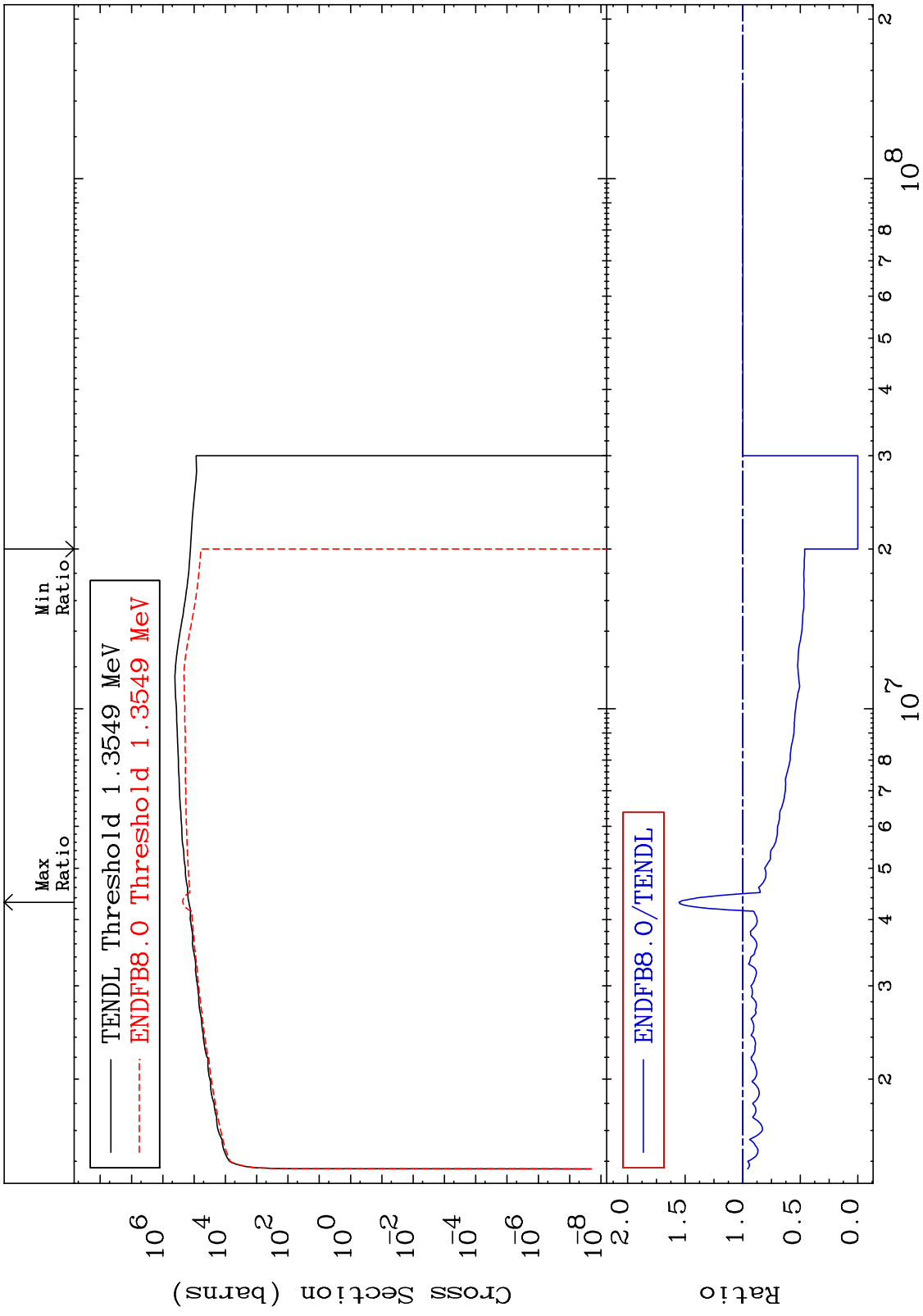
28-Ni-60
-99.99 To 3986. %



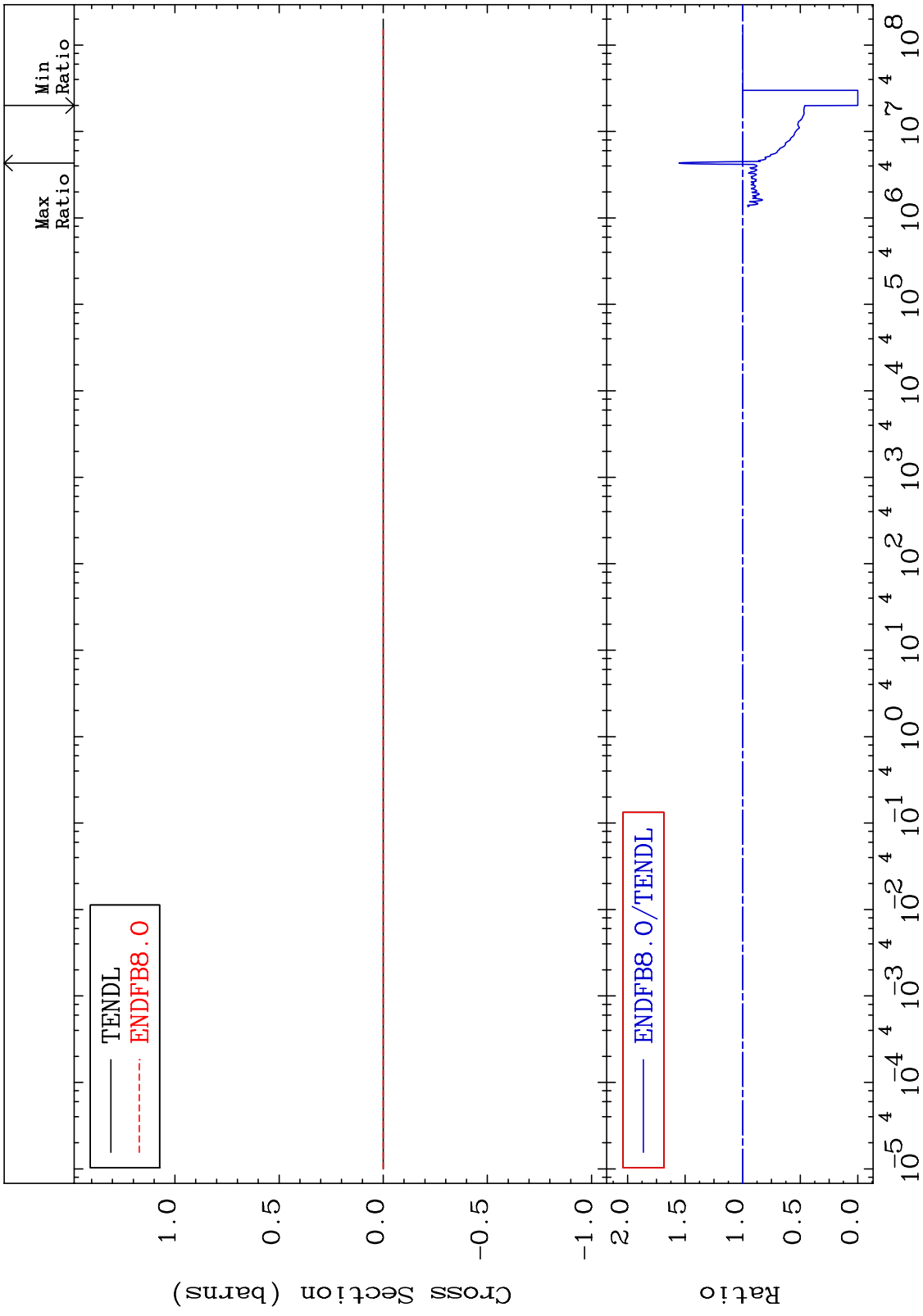
MAT 2831 Kerma non-elastic (all but mt2) 28-Ni-60
 Cross Section -99.80 To 9999. %



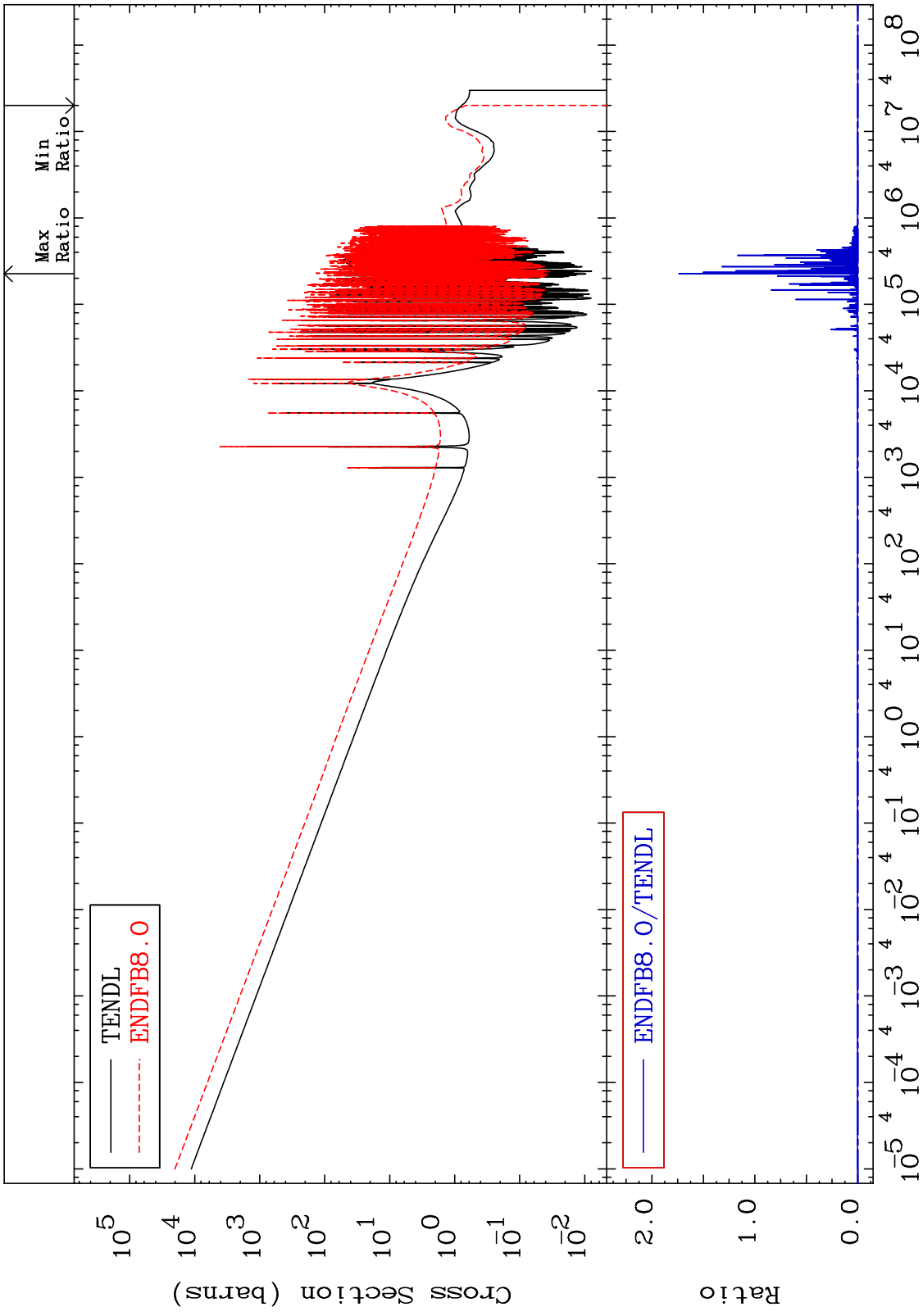
MAT 2831 Kerma inelastic (mt51-91) 28-Ni-60
 -100.0 To 55.33 %
 Cross Section



MAT 2831 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-60
 Cross Section -100.0 To 55.33 %



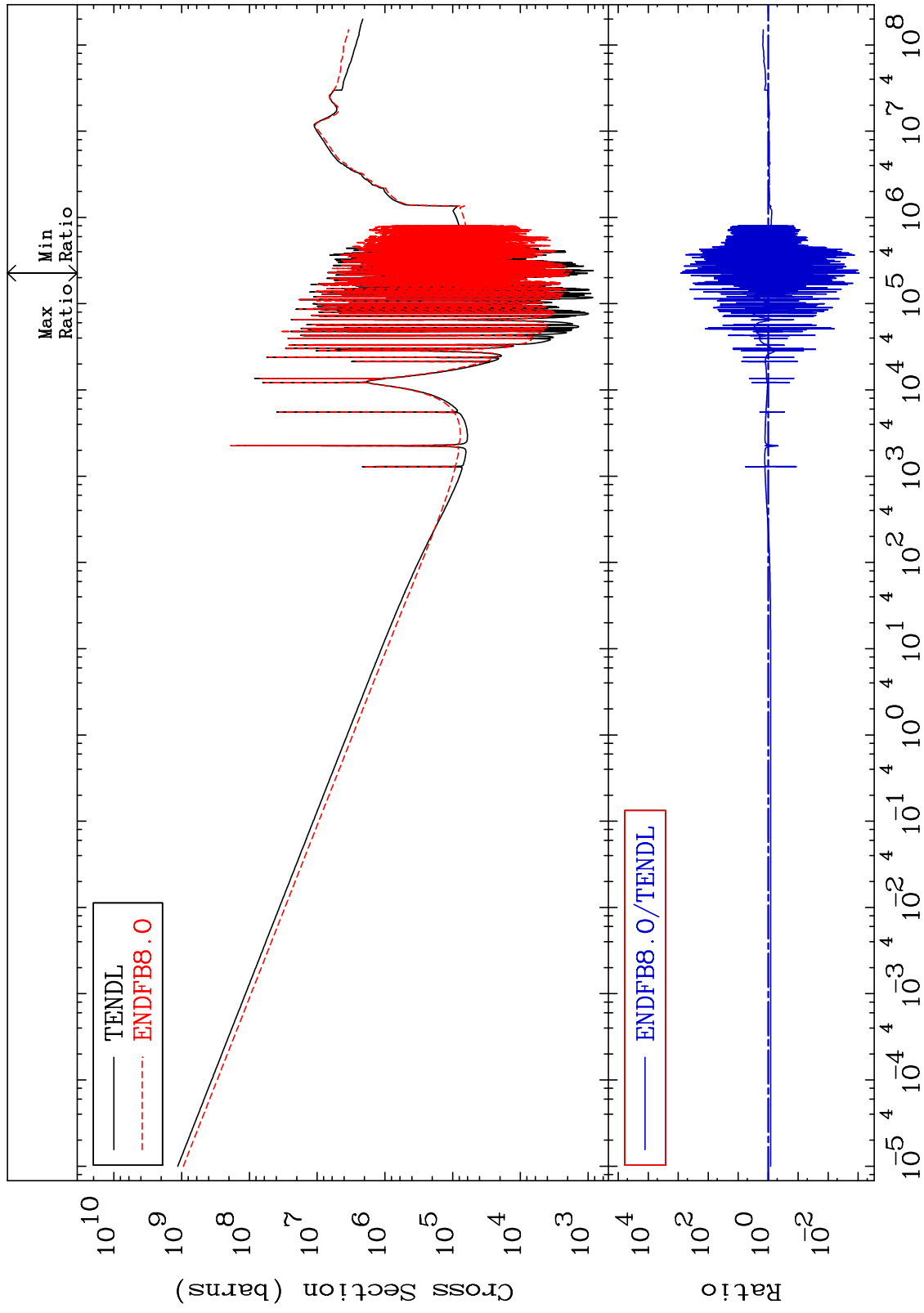
MAT 2831 Kerma capture (mt102) 28-Ni-60
 Cross Section -100.0 To 9999. %



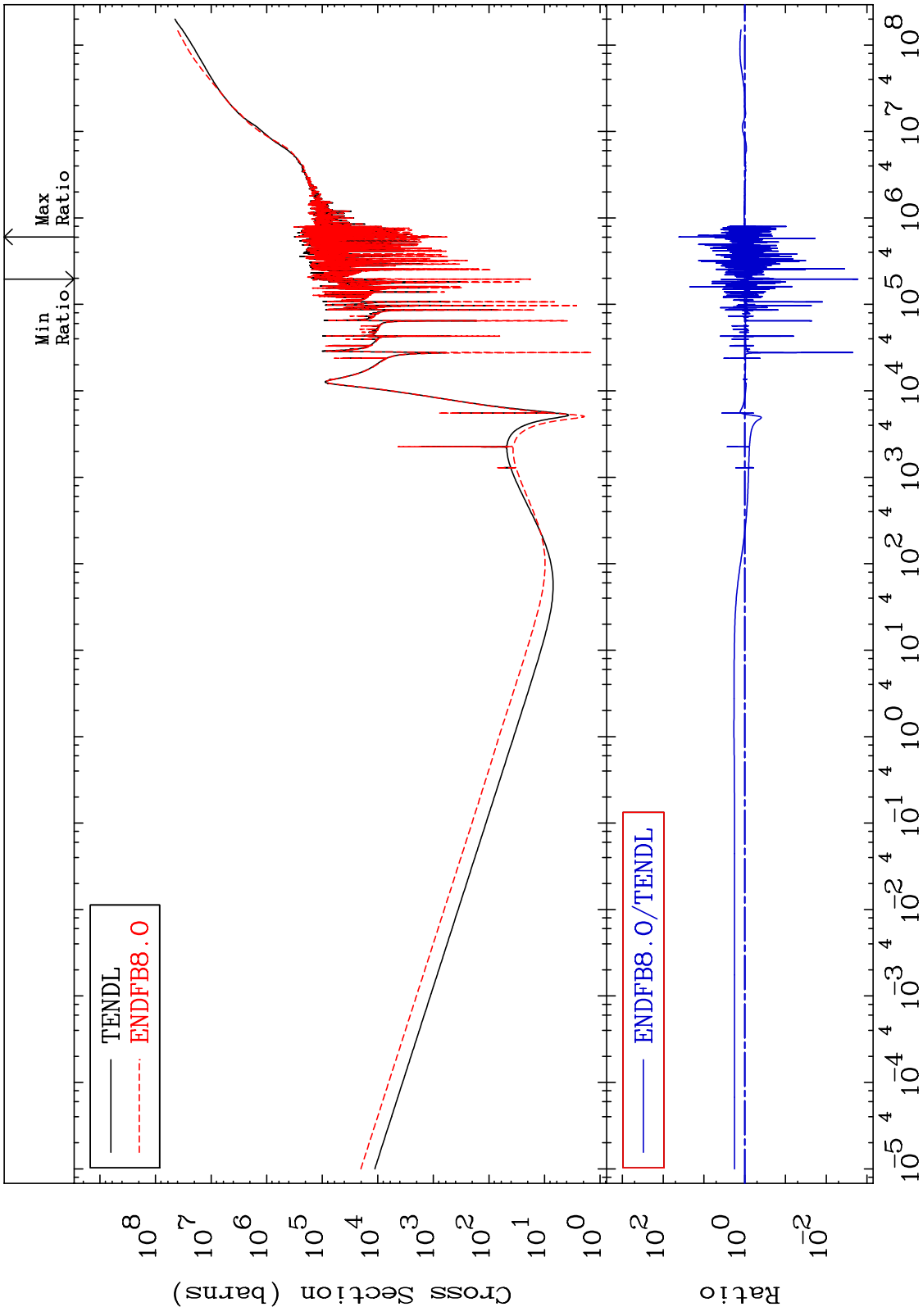
MAT 2831

Total photon (eV-barns)
Cross Section

28-Ni-60
-99.91 To 9999. %

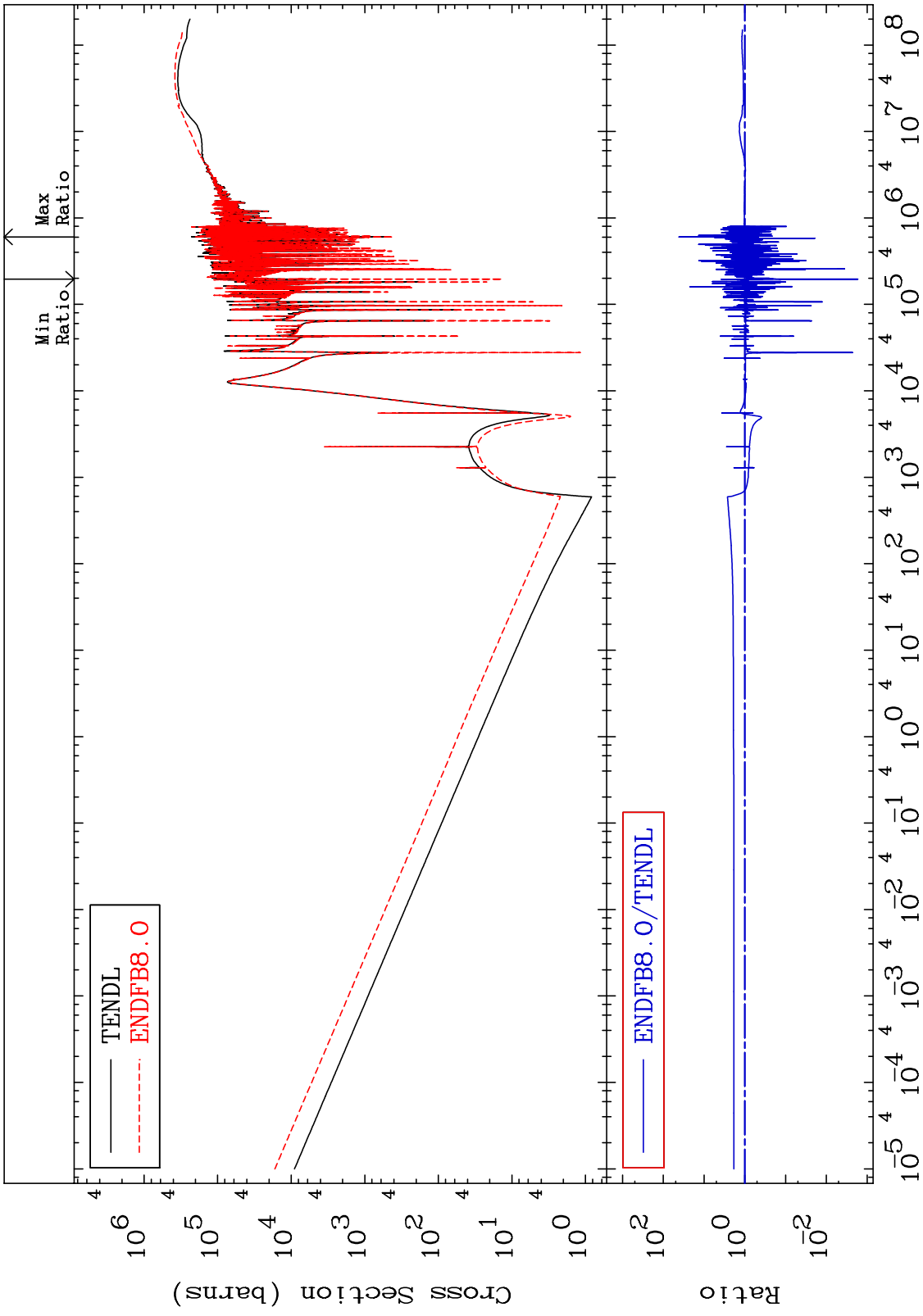


MAT 2831 Total kinematic kerma (high limit) Cross Section 28-Ni-60 -99.83 To 3987. %



56 Incident Energy (eV) 28-Ni-60

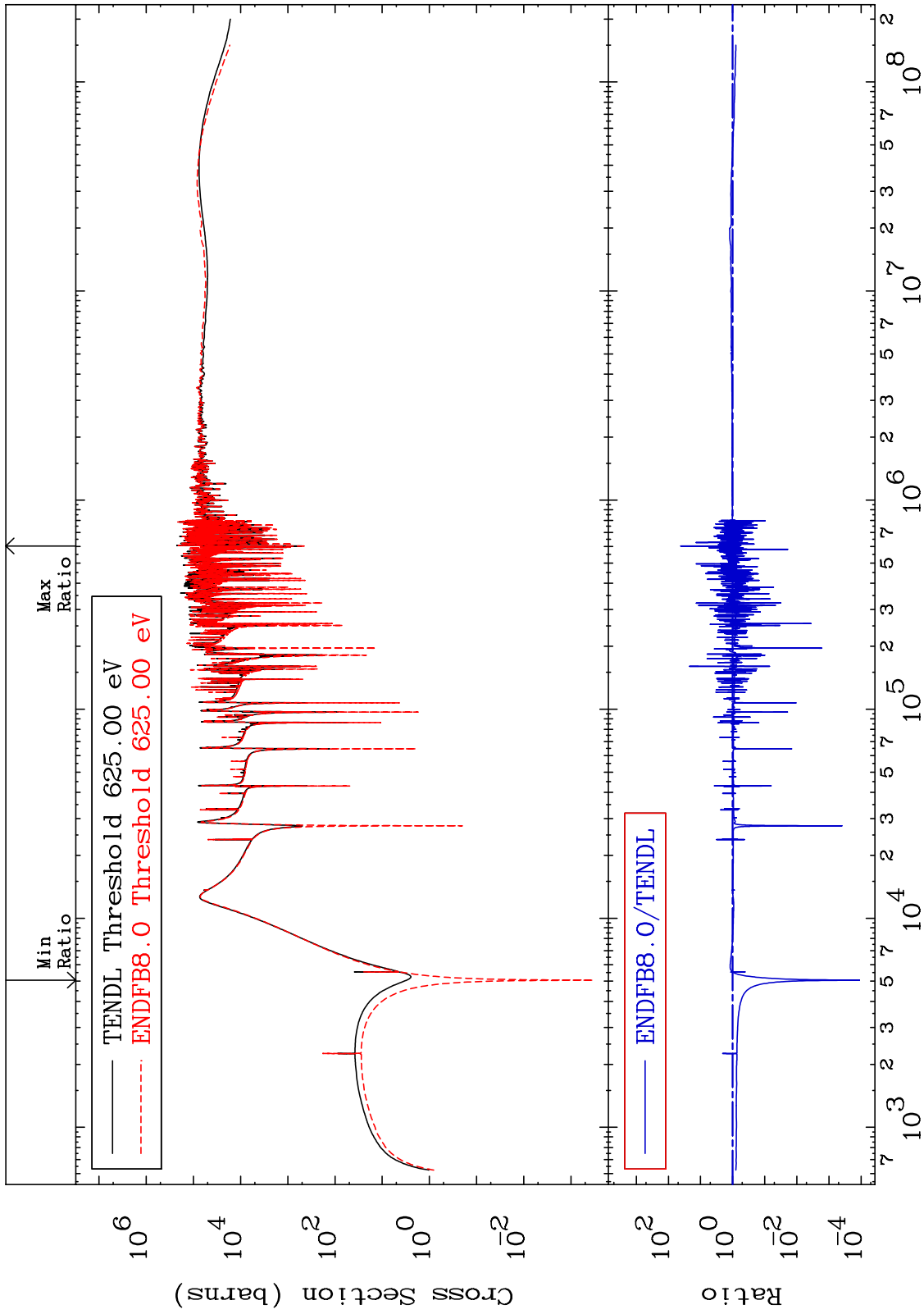
MAT 2831 Dpa total (eV-barns) 28-Ni-60
 Cross Section -99.83 To 4015. %



MAT 2831

Dpa elastic (mt2)
Cross Section

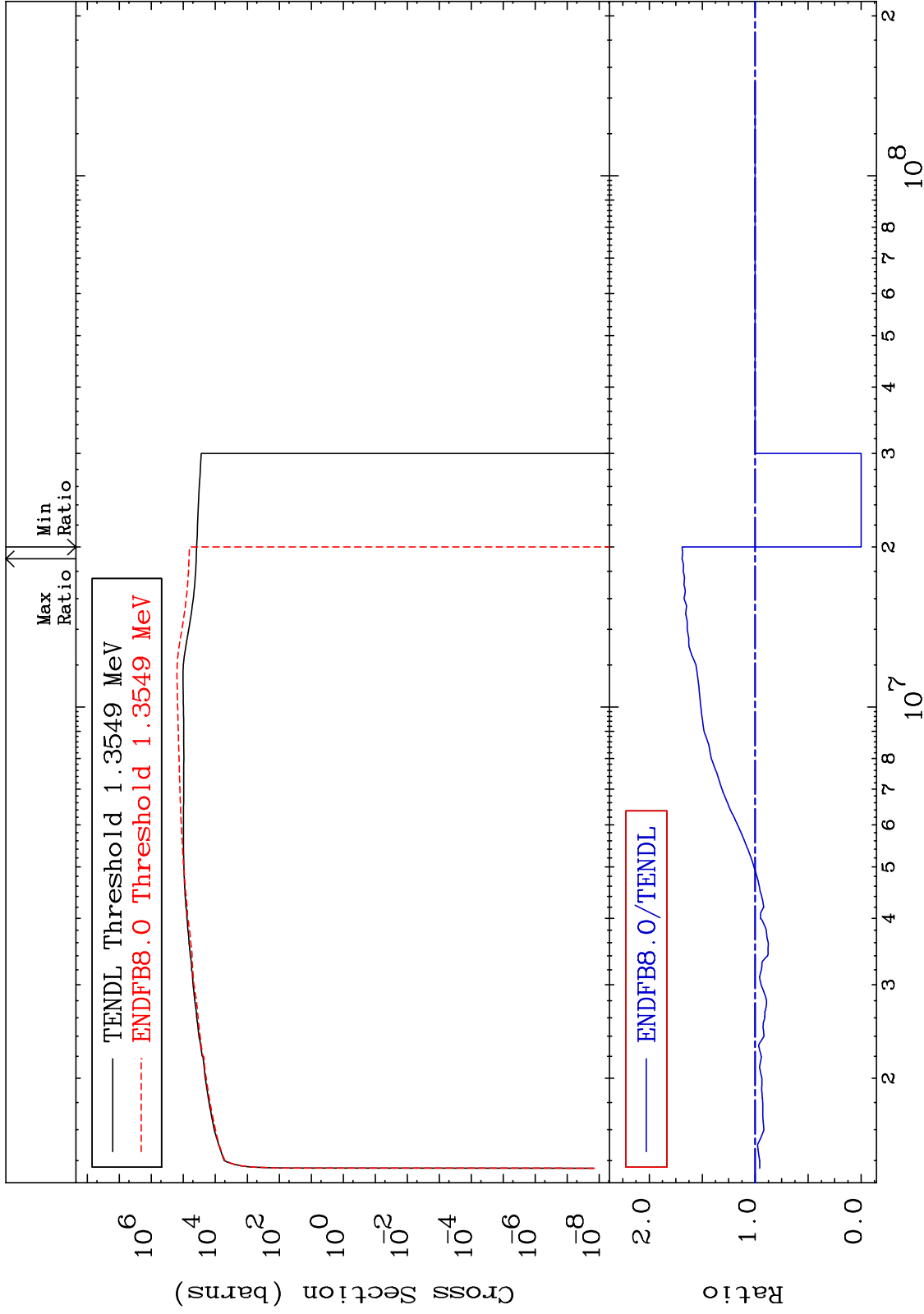
28-Ni-60
-99.99 To 4015. %



MAT 2831

Dpa inelastic (mt51-91)
Cross Section

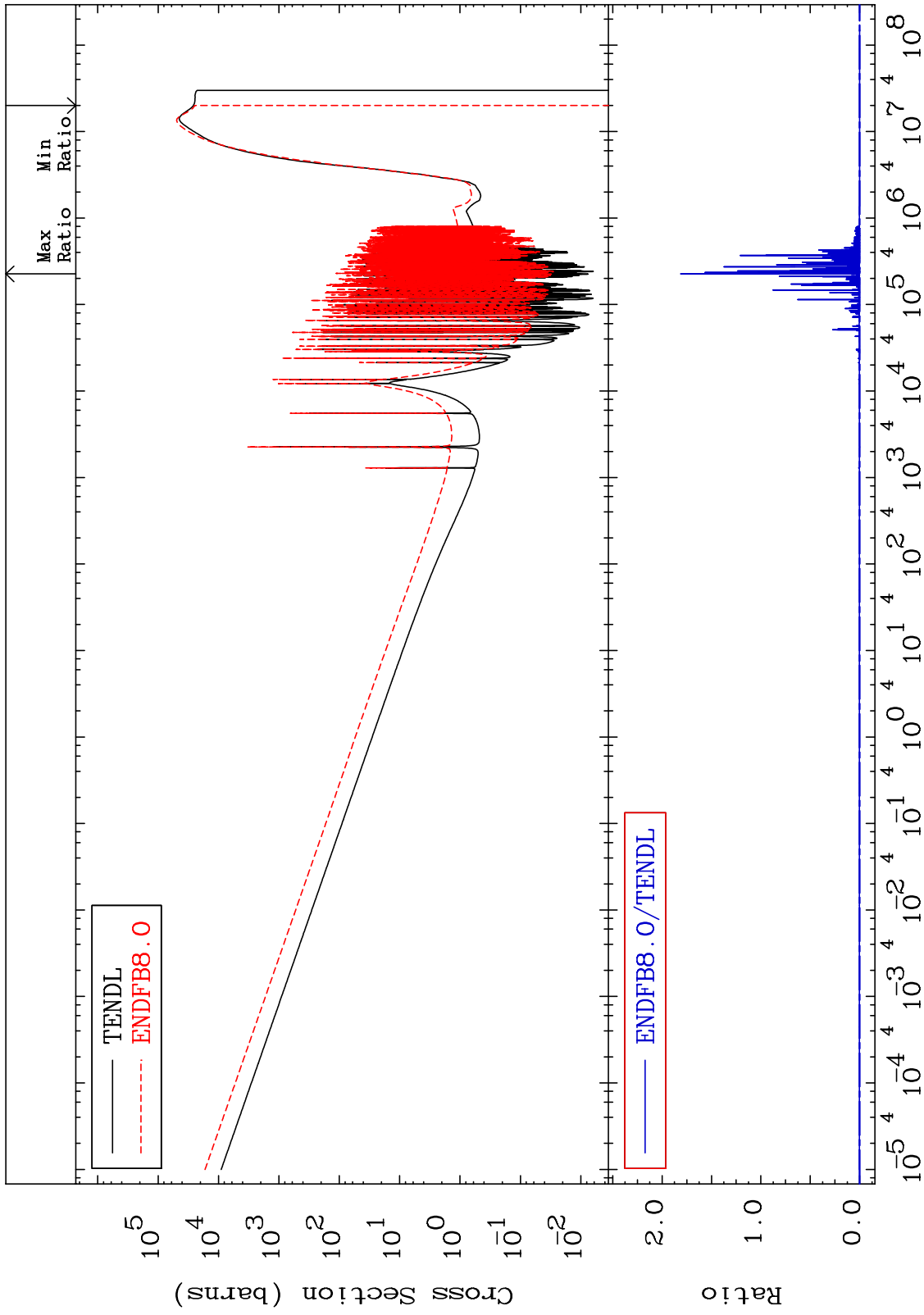
28-Ni-60
-100.0 To 69.06 %



MAT 2831

Dpa disappearance (mt102 -120)
Cross Section

28-Ni-60
-100.0 To 9999. %



60

Incident Energy (eV)

28-Ni-60