

Program Complot
(Version 2018-1)

by

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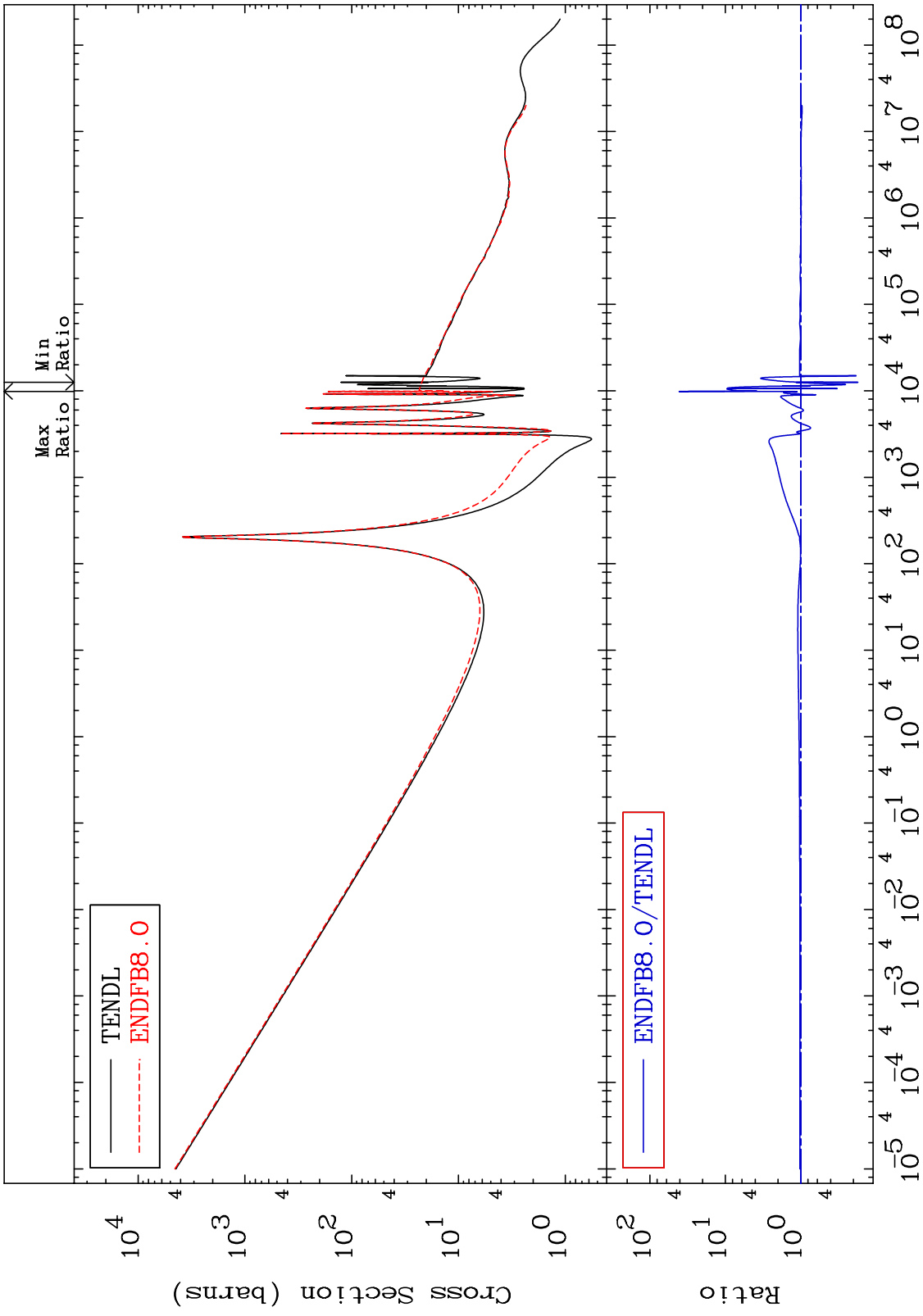
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2828 28-Ni-59 -82.56 To 4001. % Total Cross Section

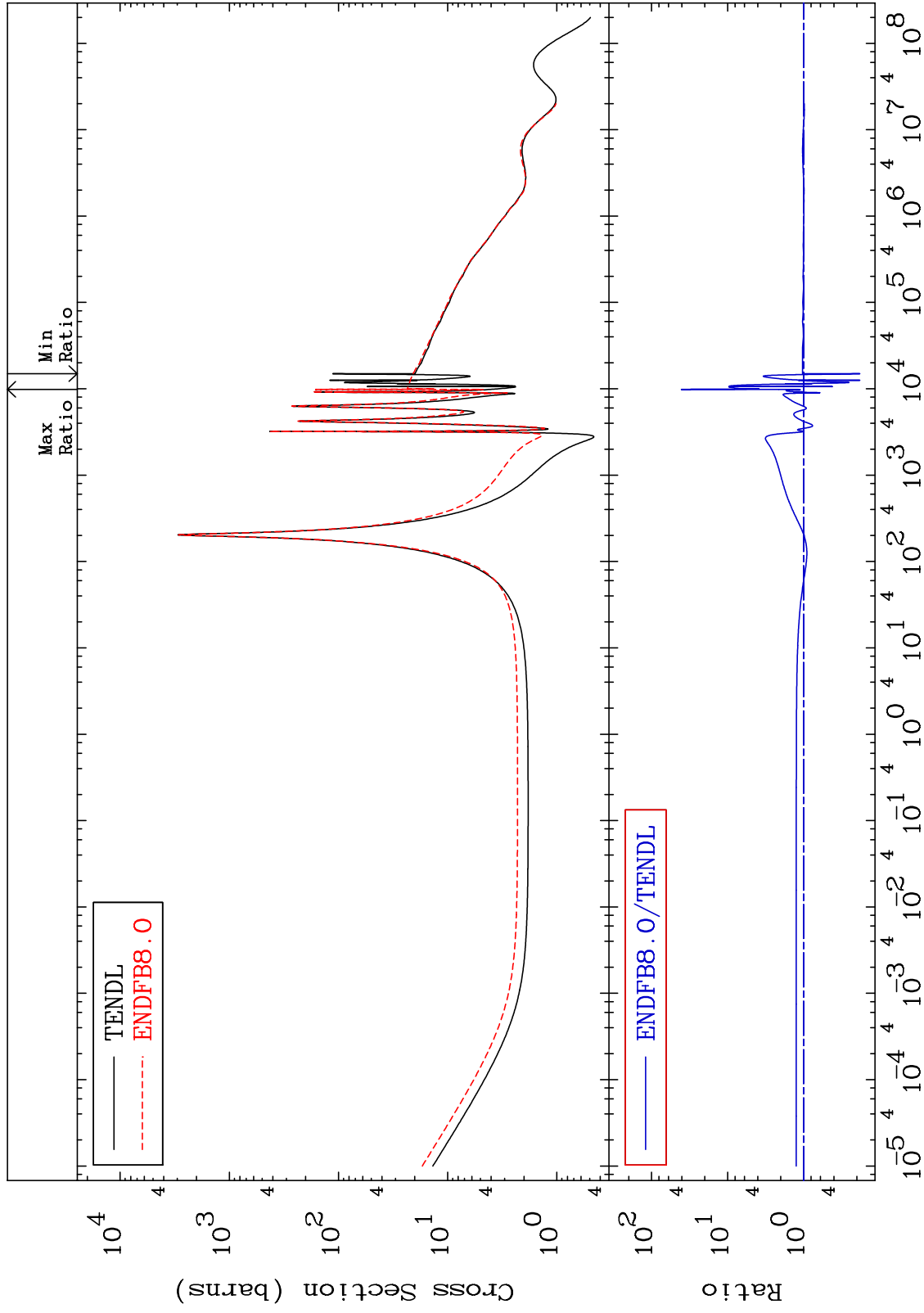


1 28-Ni-59

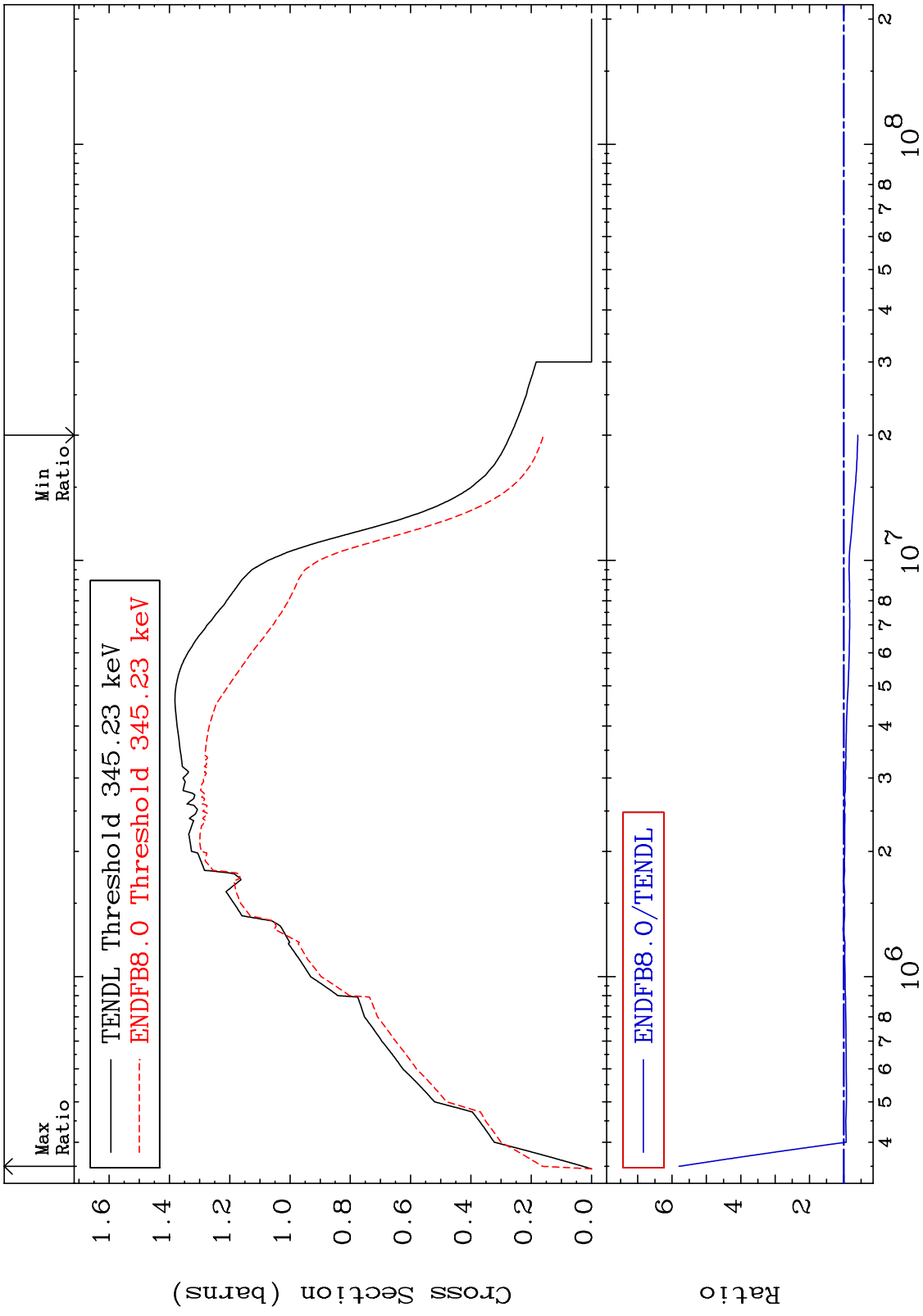
MAT 2828

Elastic
Cross Section

28-Ni-59
-81.72 To 3973. %

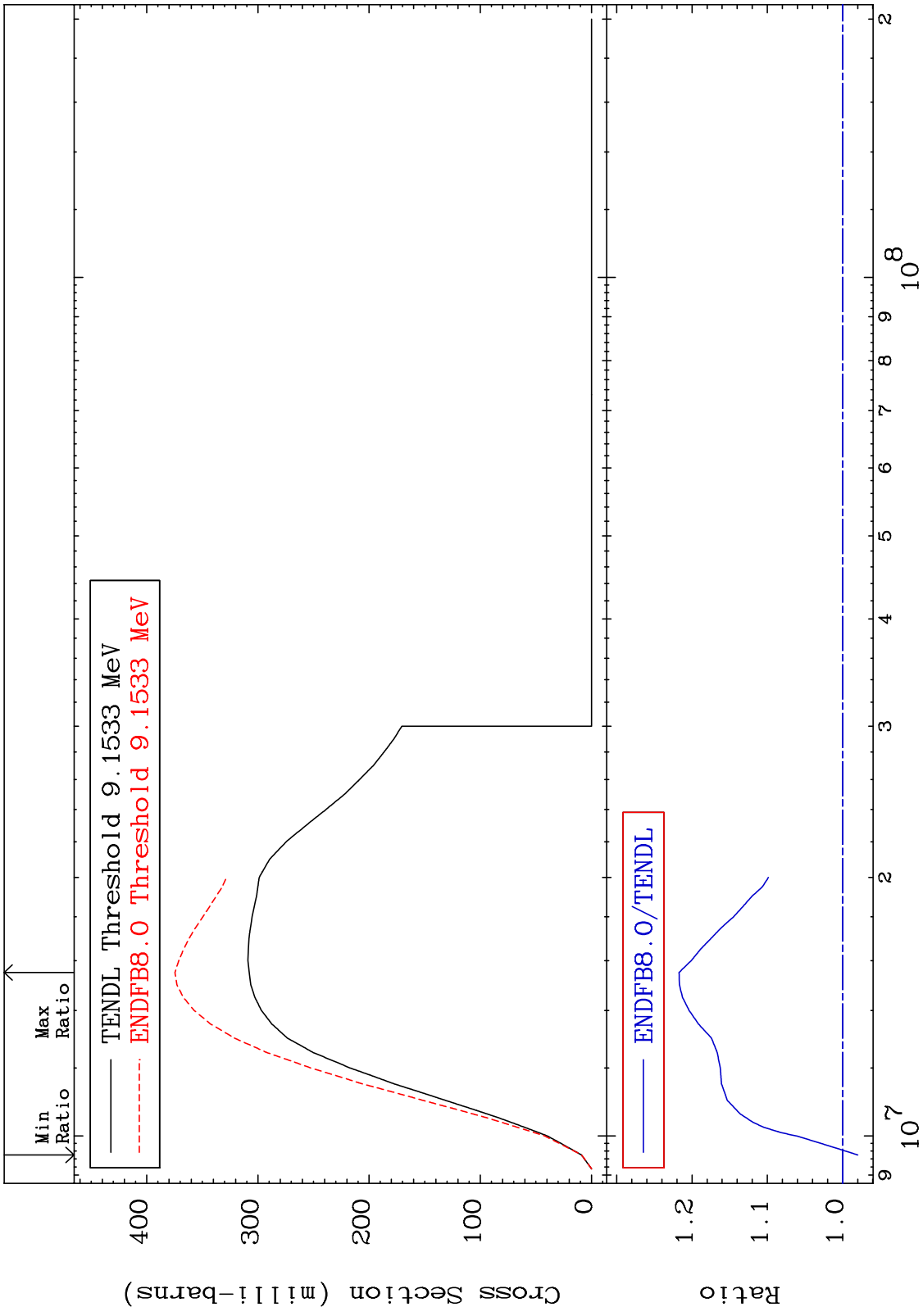


MAT 2828 Inelastic Cross Section 28-Ni-59 -40.90 To 479.6 %



3 Incident Energy (eV) 28-Ni-59

MAT 2828 (n,2n) Cross Section 28-Ni-59 -2.018 To 21.72 %



28-Ni-59 Incident Energy (eV)

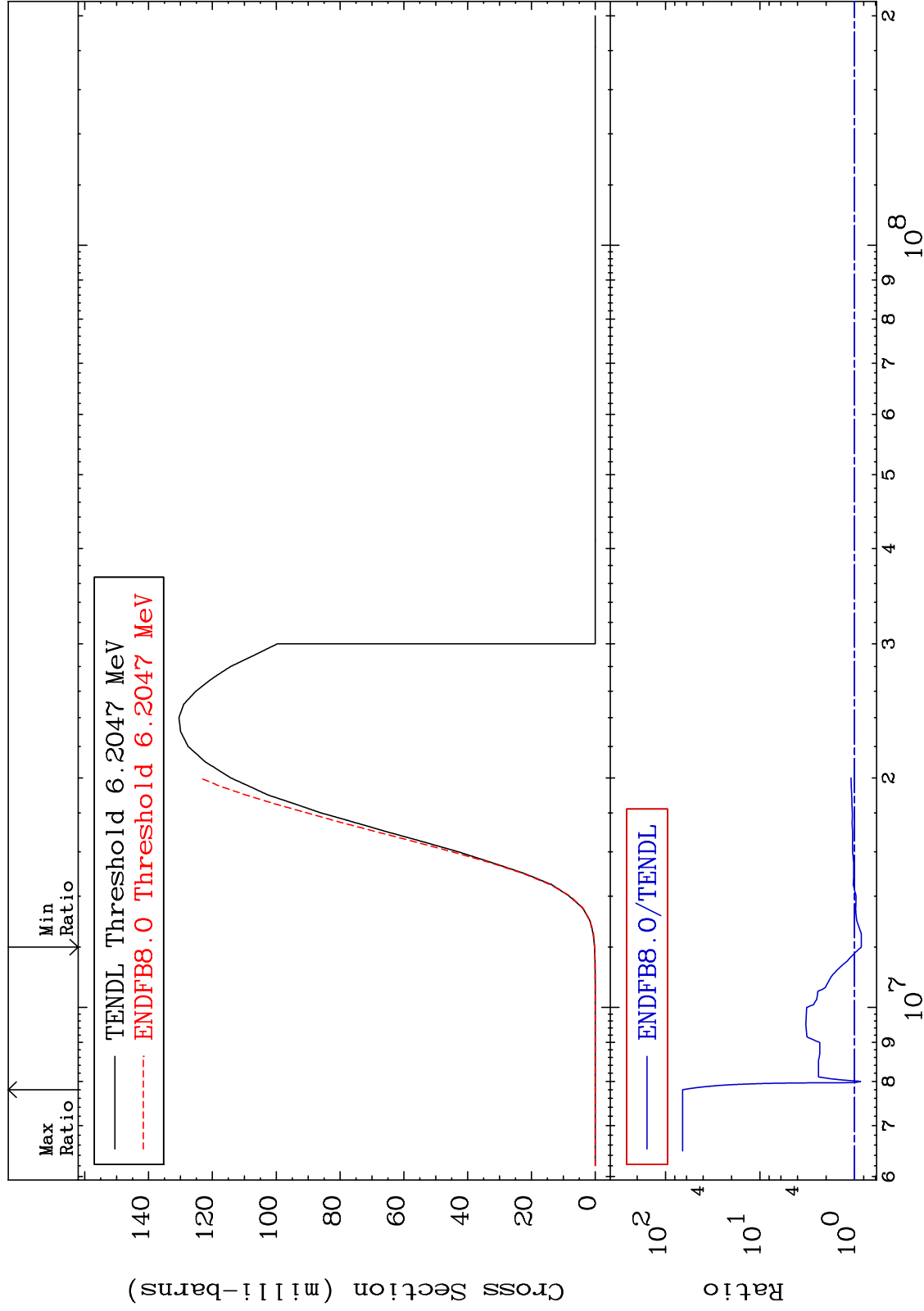
MAT 2828

(n,n') α

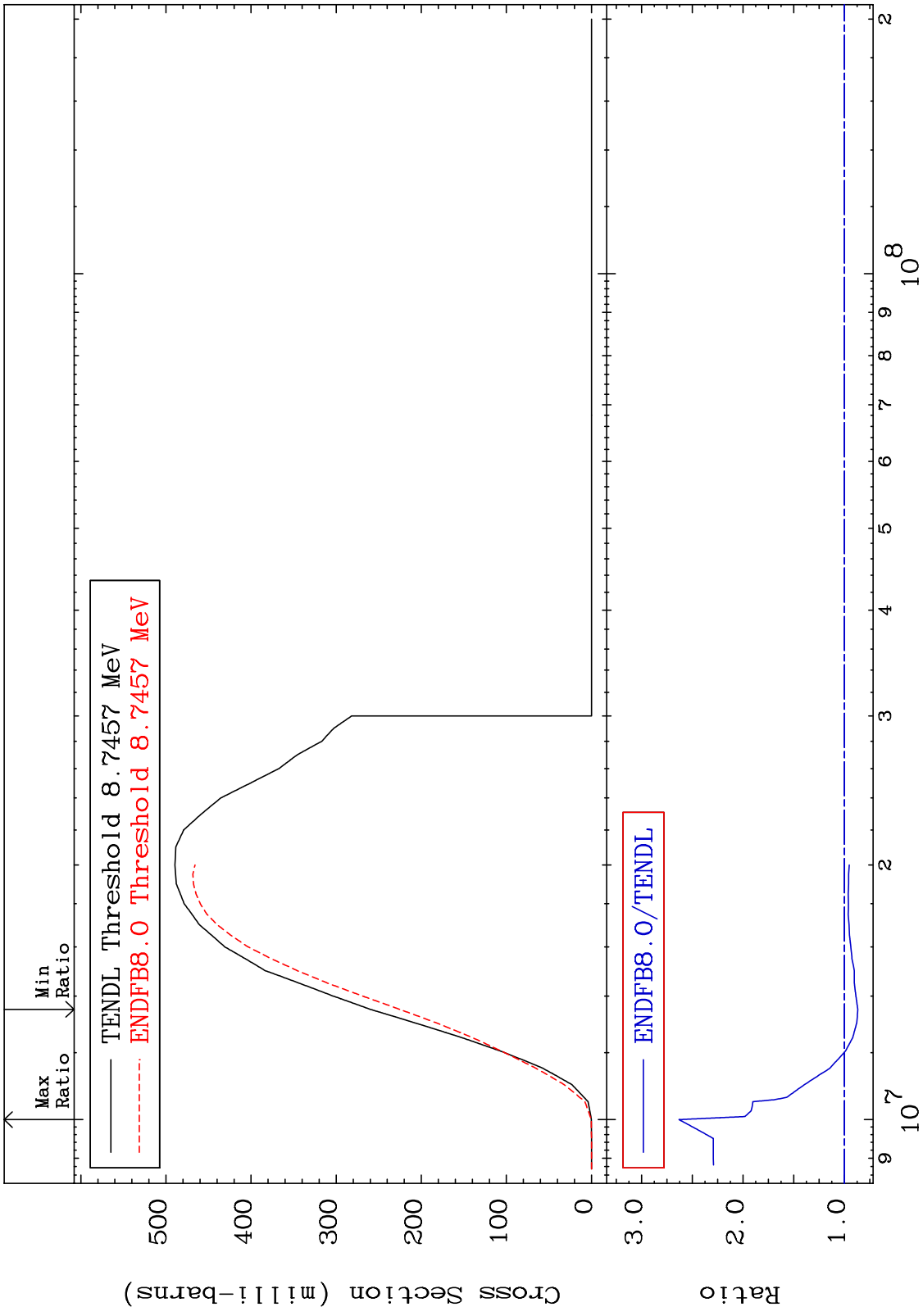
28-Ni-59

Cross Section

-15.45 To 6483. %

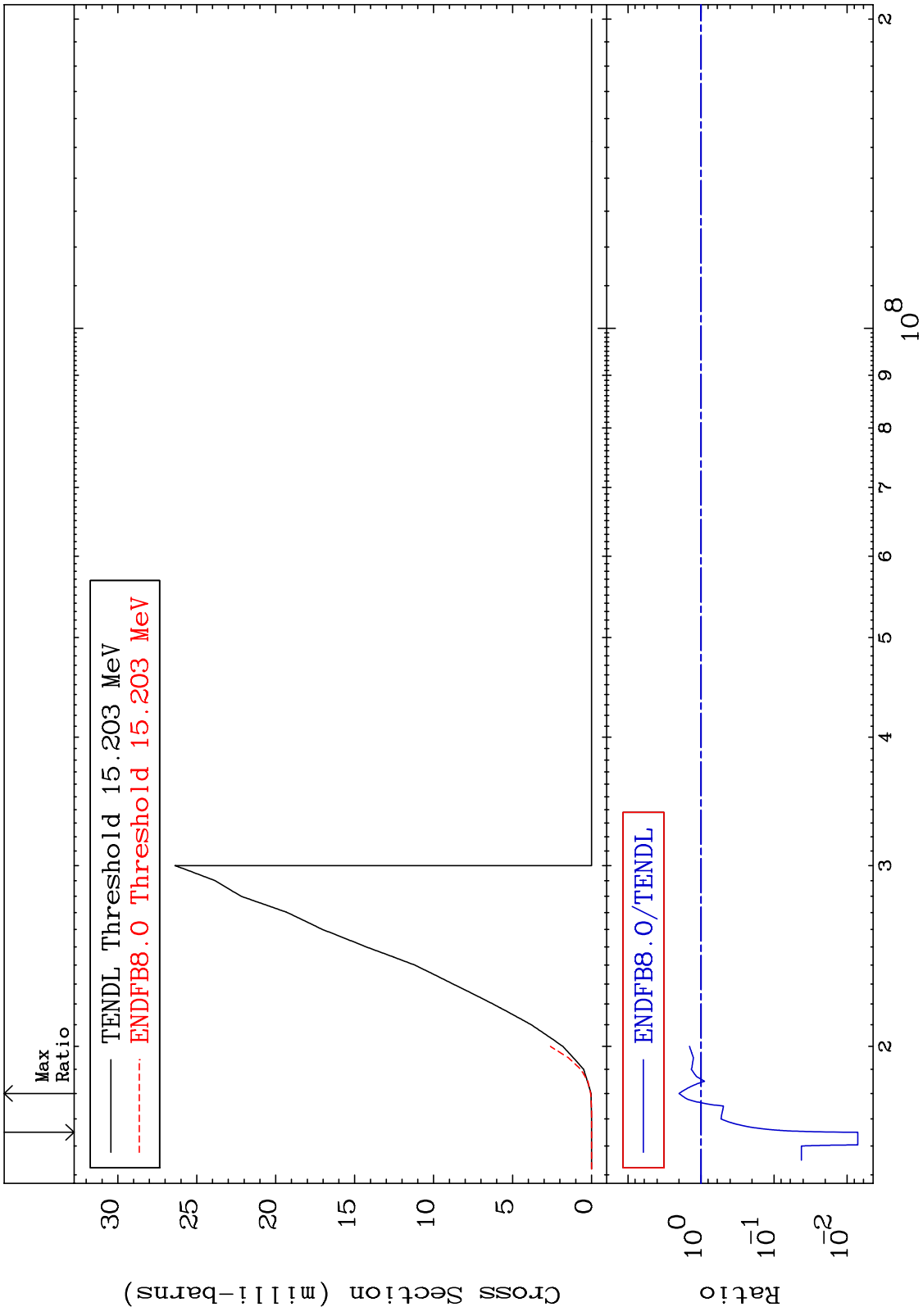


MAT 2828 (n,n') p 28-Ni-59
 Cross Section -13.26 To 163.0 %

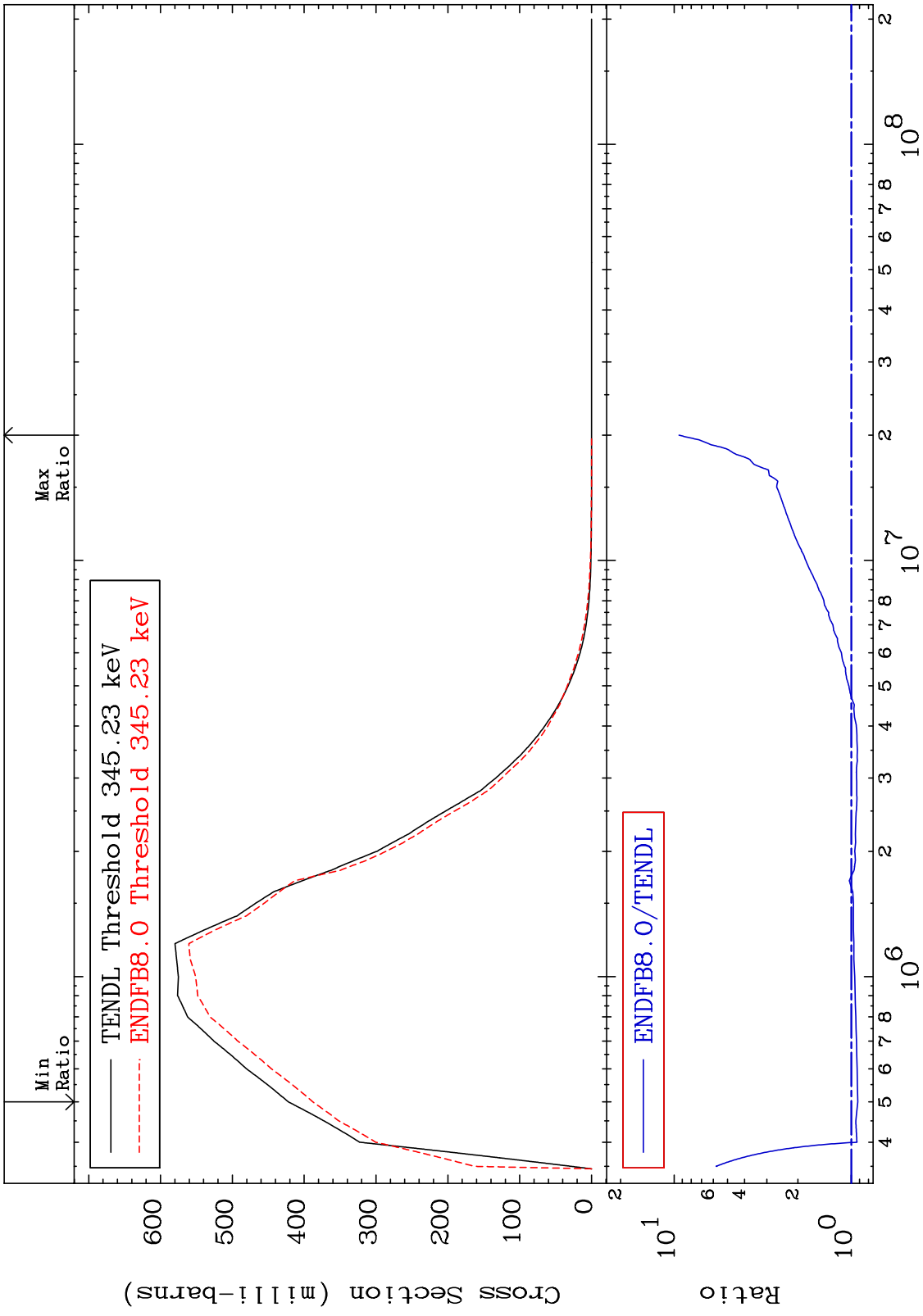


28-Ni-59

MAT 2828 (n,n') d 28-Ni-59
 Cross Section -99.29 To 99.88 %

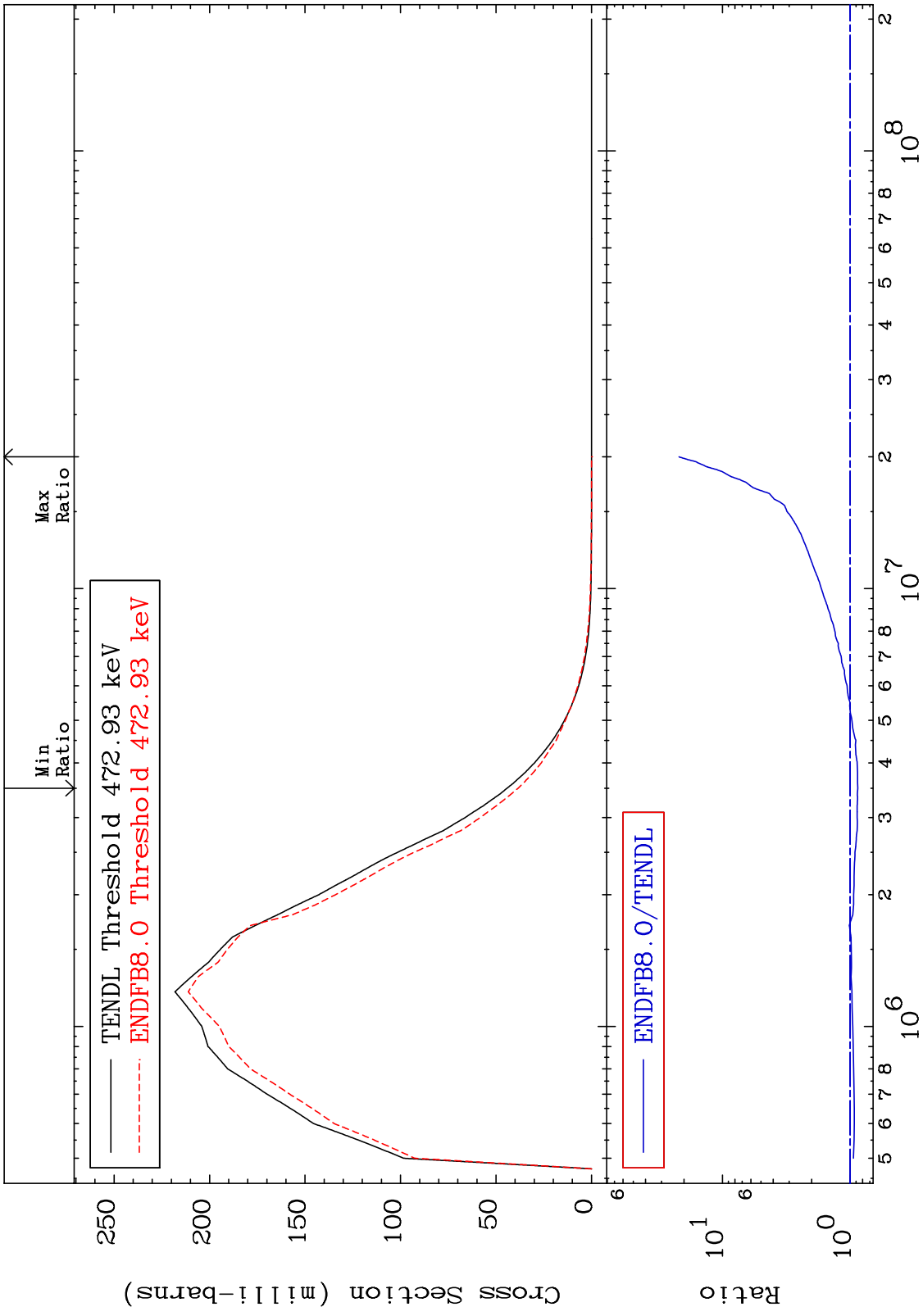


MAT 2828 MT= 51 (n,n') Level Cross Section -8.099 To 837.5 % 28-Ni-59



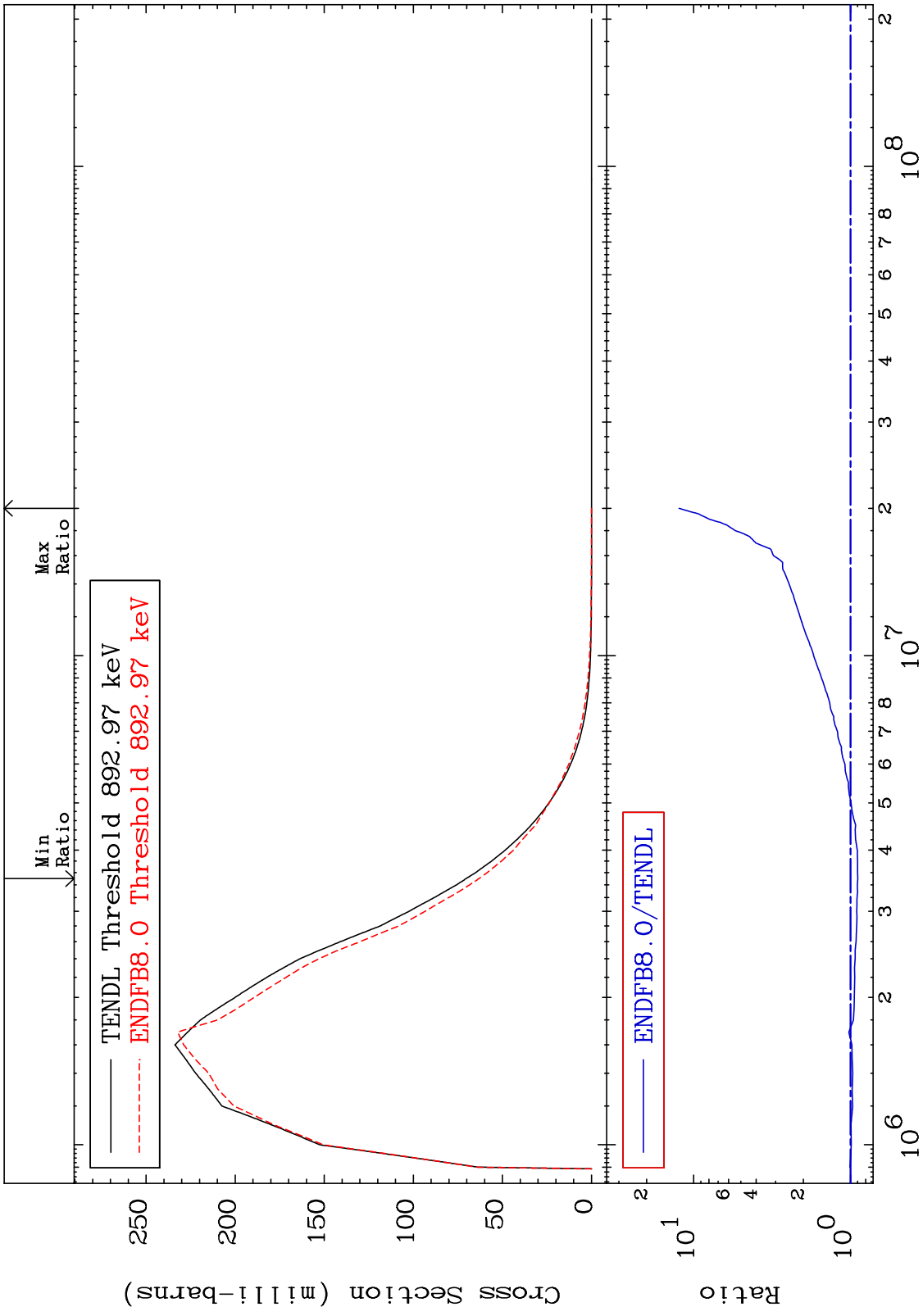
8 Incident Energy (eV) 28-Ni-59

MAT 2828 MT= 52 (n,n') Level Cross Section -12.98 To 2088. % 28-Ni-59



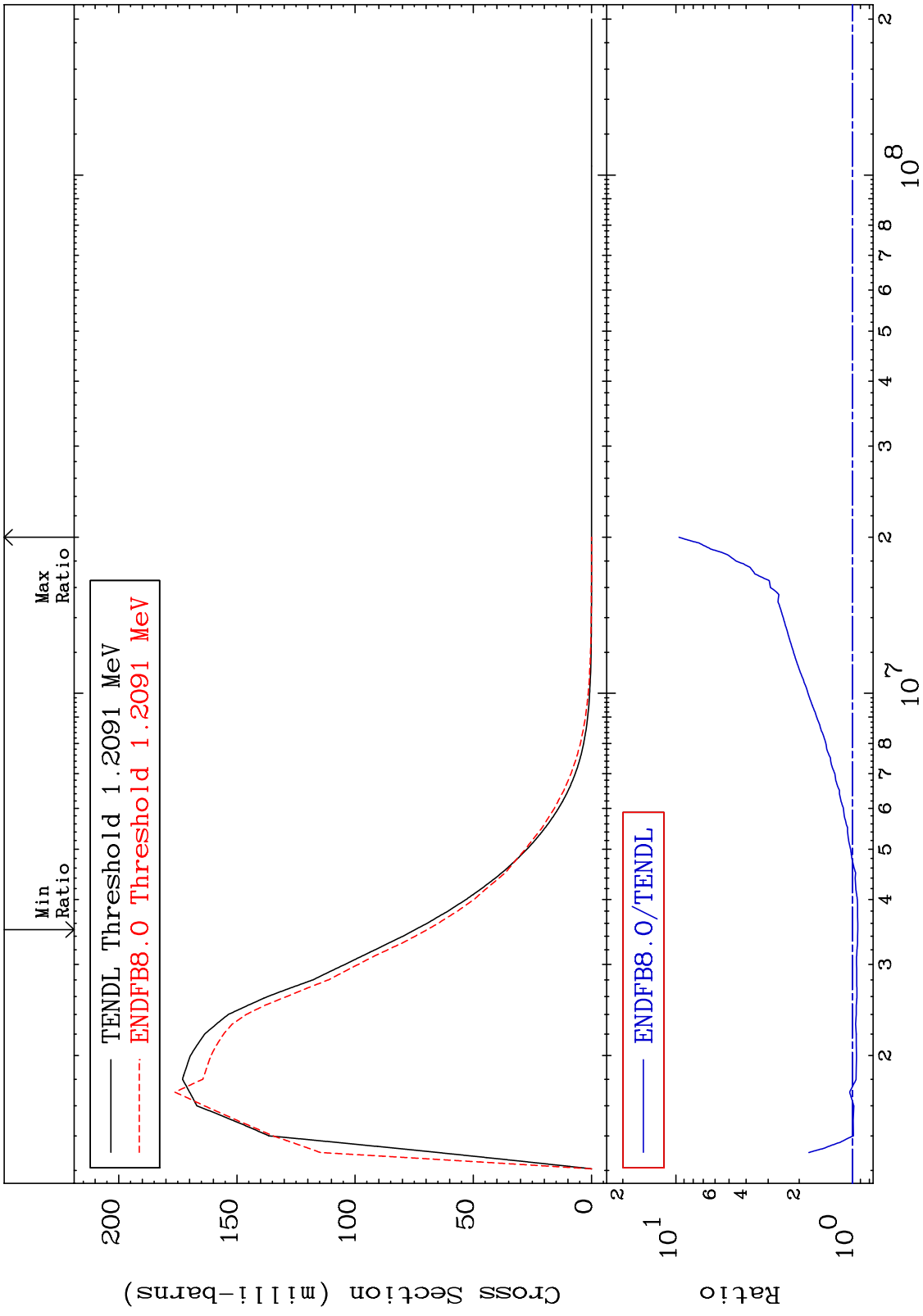
9 Incident Energy (eV) 28-Ni-59

MAT 2828 MT= 53 (n,n') Level Cross Section -10.26 To 1141. % 28-Ni-59

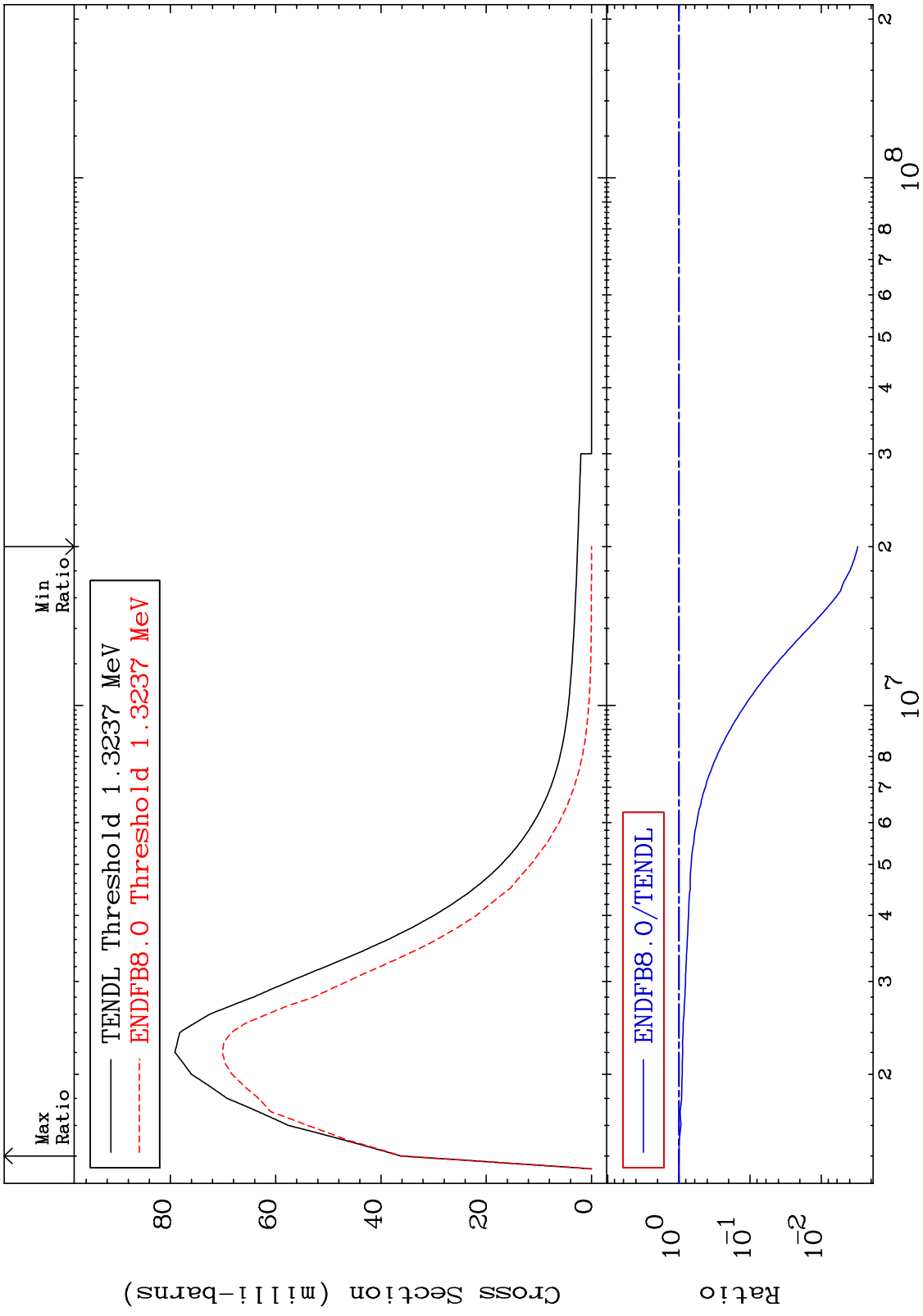


28-Ni-59

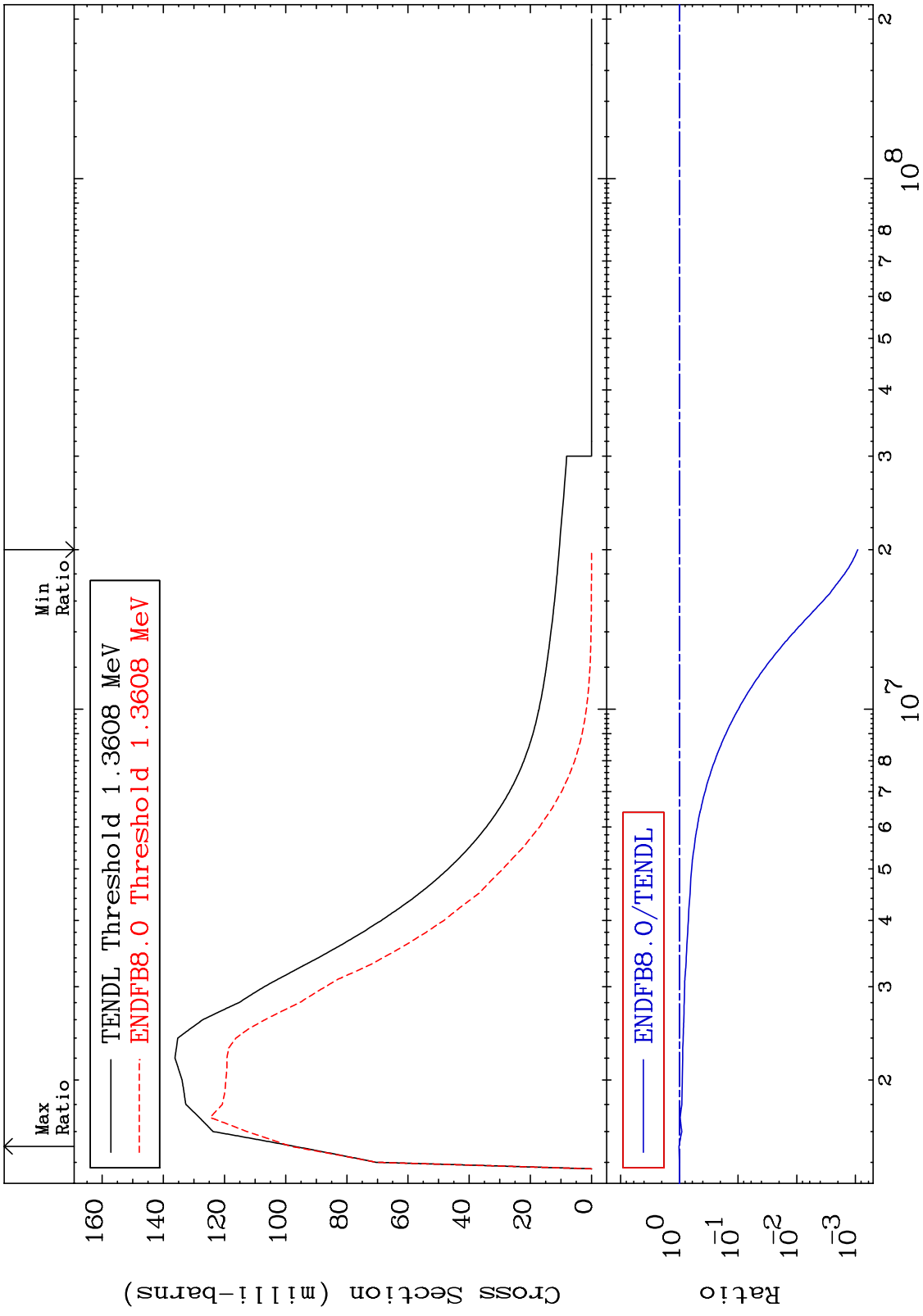
MAT 2828 MT= 54 (n,n') Level Cross Section -6.899 To 860.9 % 28-Ni-59



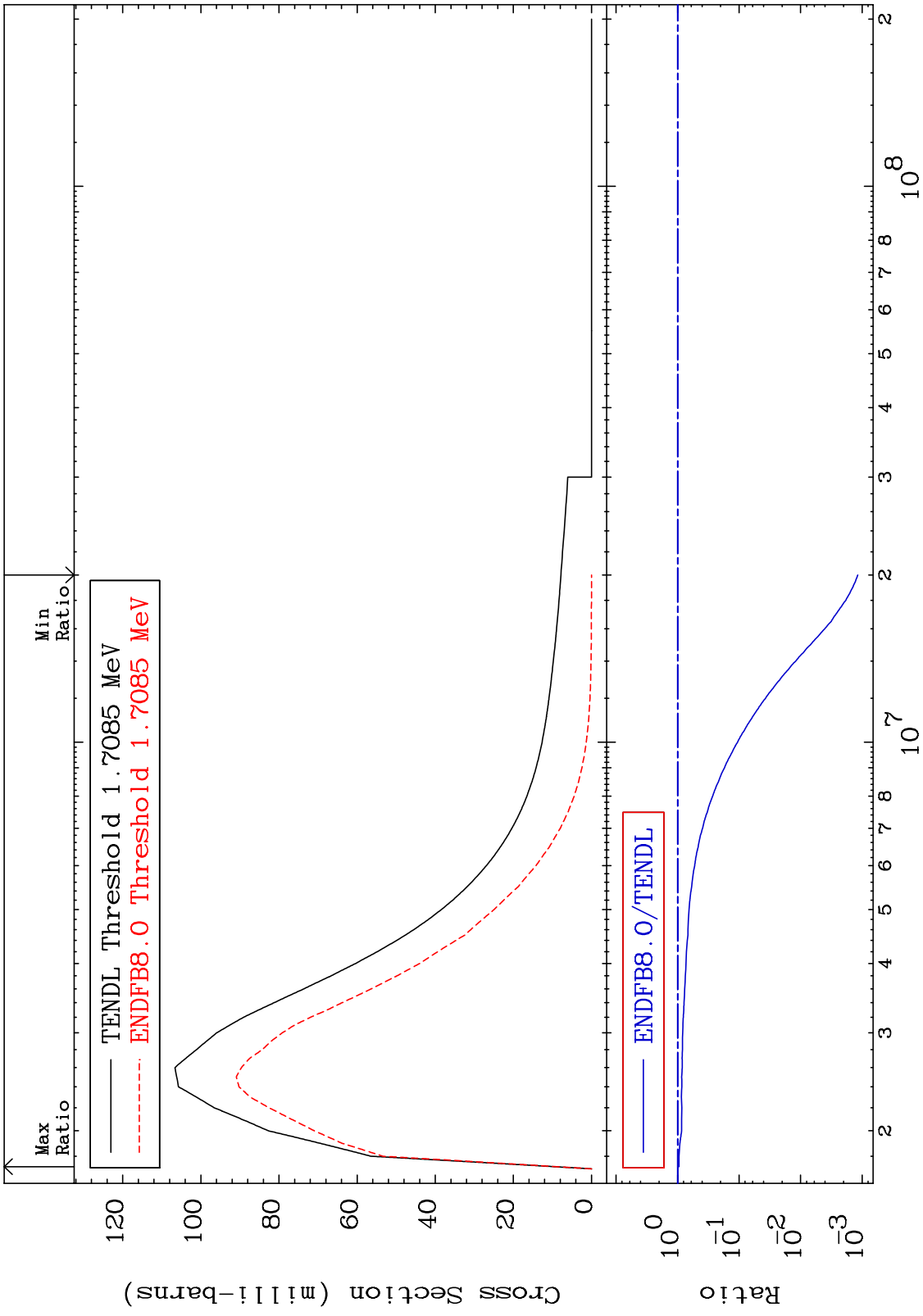
MAT 2828 MT= 55 (n,n') Level Cross Section 28-Ni-59 -99.69 To -0.521%



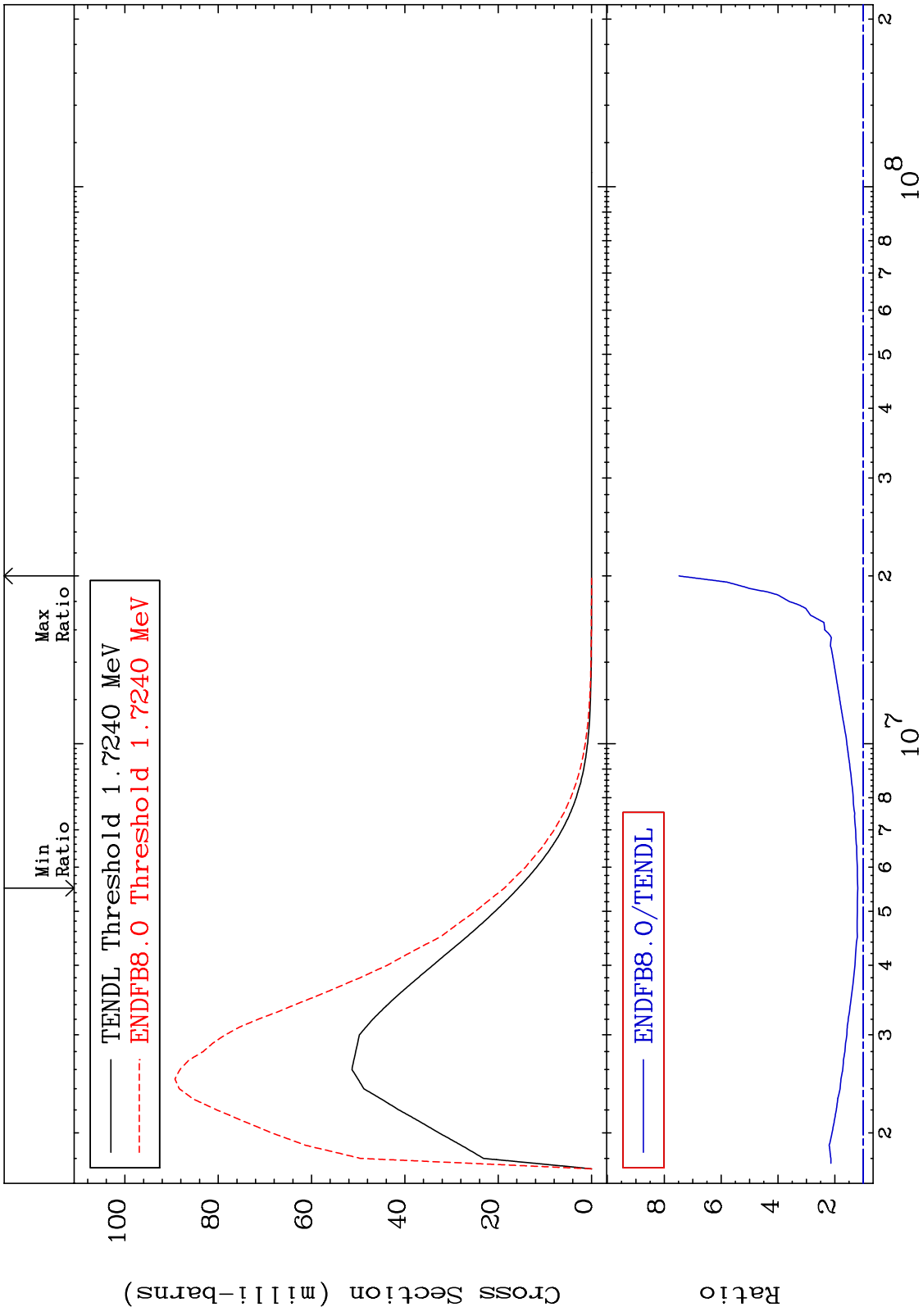
MAT 2828 MT= 56 (n,n') Level Cross Section -99.91 To 1.222 % 28-Ni-59



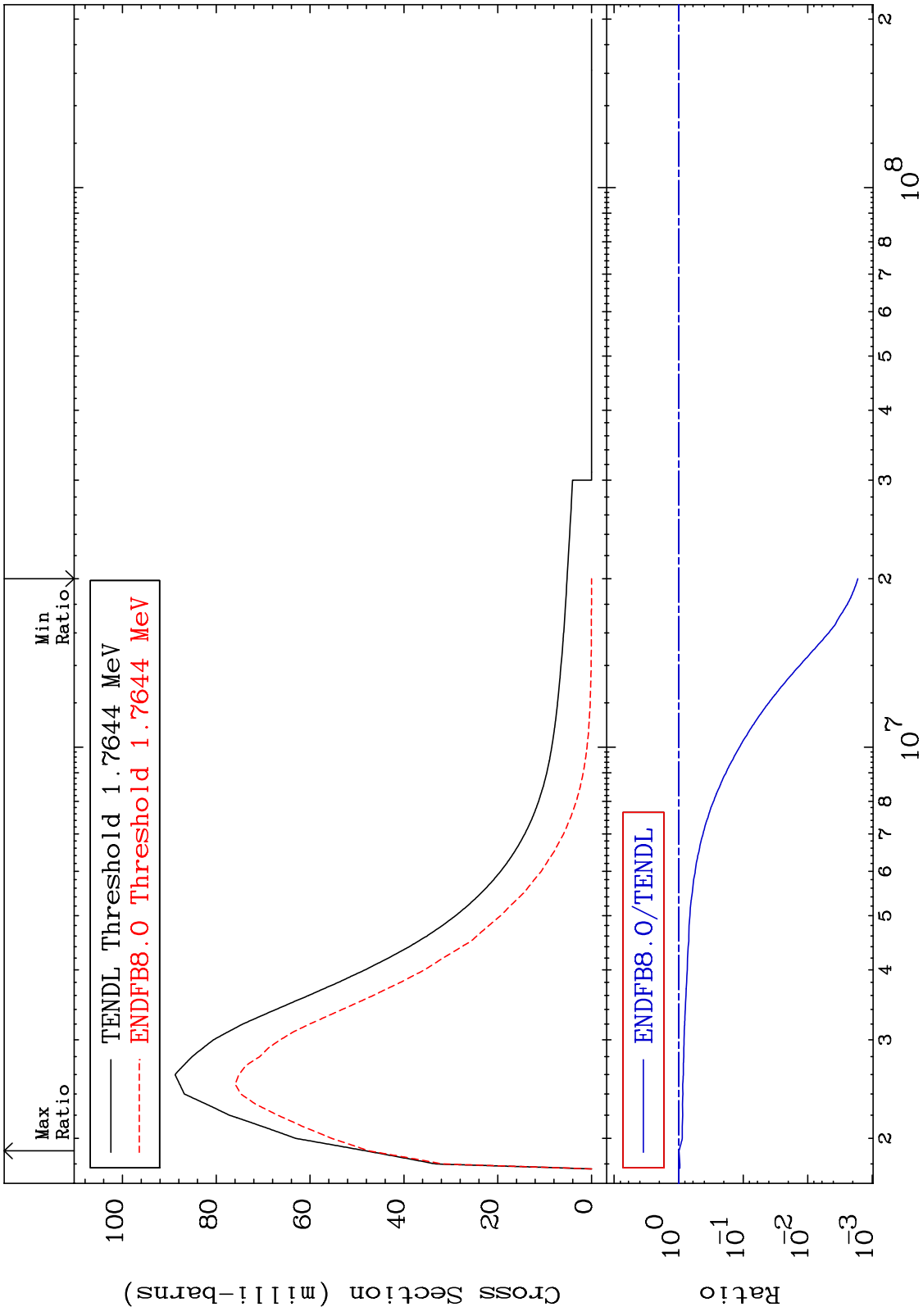
MAT 2828 MT= 57 (n,n') Level Cross Section 28-Ni-59 -99.88 To -5.376%



MAT 2828 MT= 58 (n,n') Level Cross Section 28-Ni-59 18.83 To 647.9 %

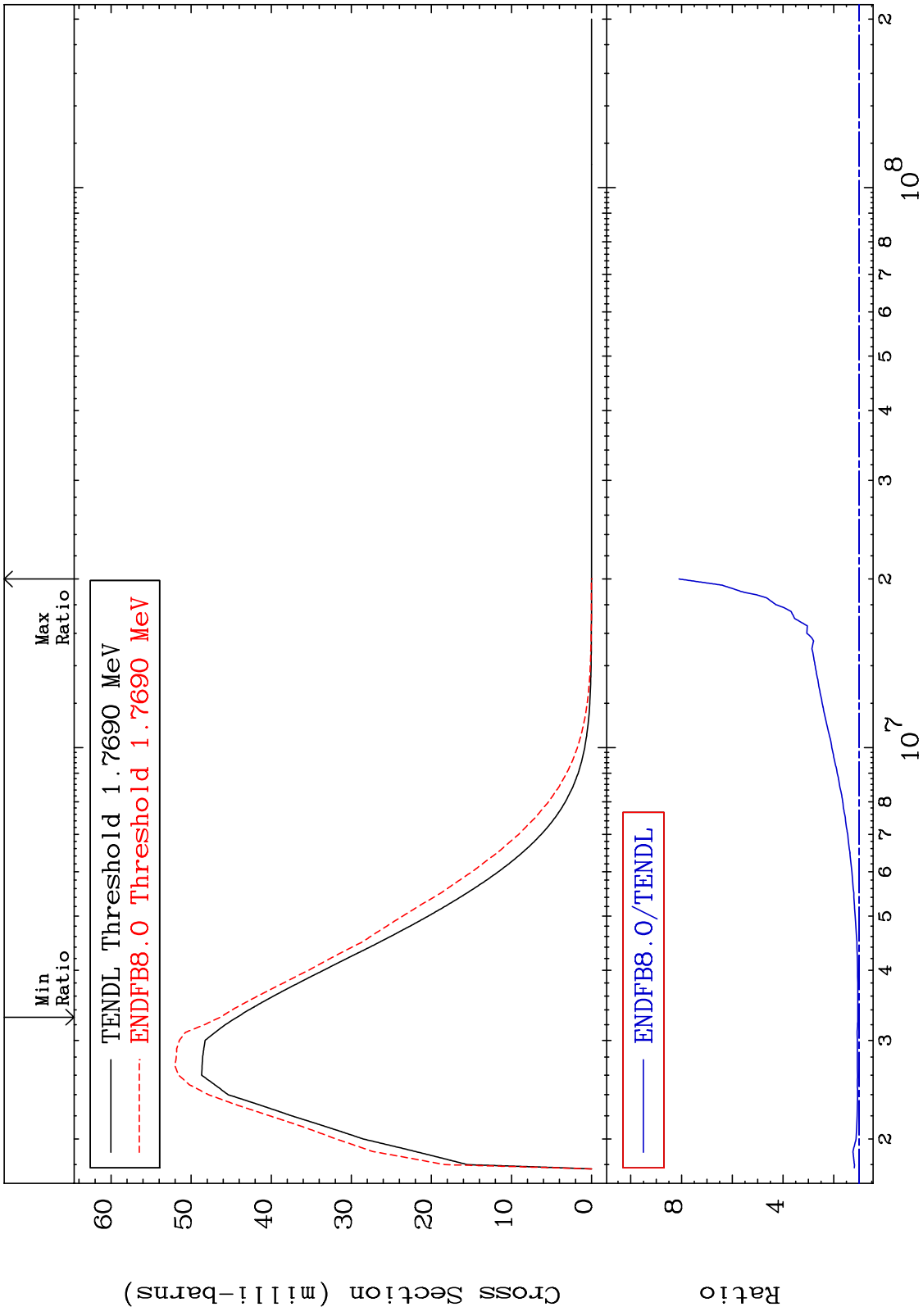


MAT 2828 MT= 59 (n,n') Level Cross Section 28-Ni-59 -99.83 To -1.379%

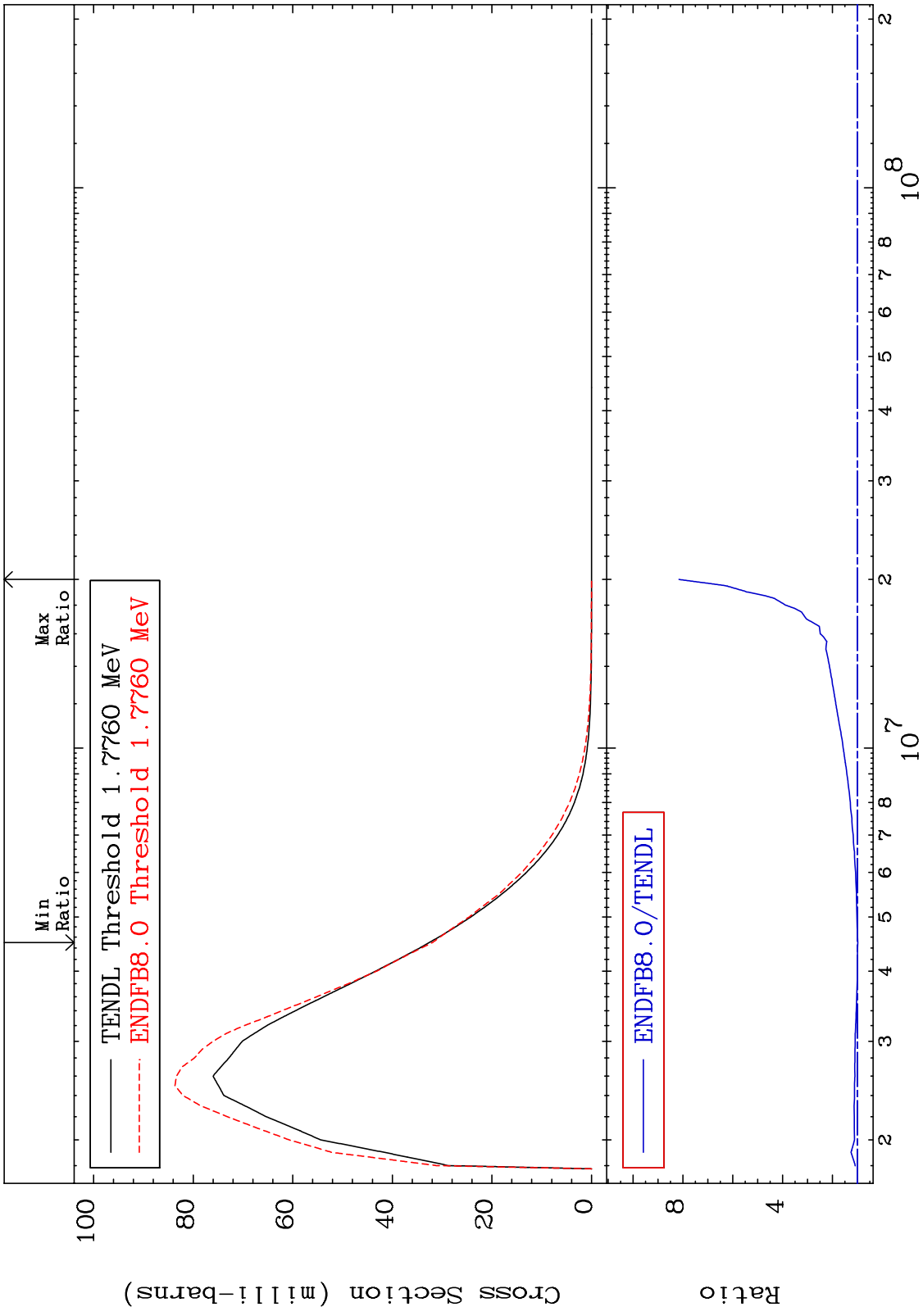


16 28-Ni-59

MAT 2828 MT= 60 (n,n') Level Cross Section 28-Ni-59 4.717 To 709.7 %

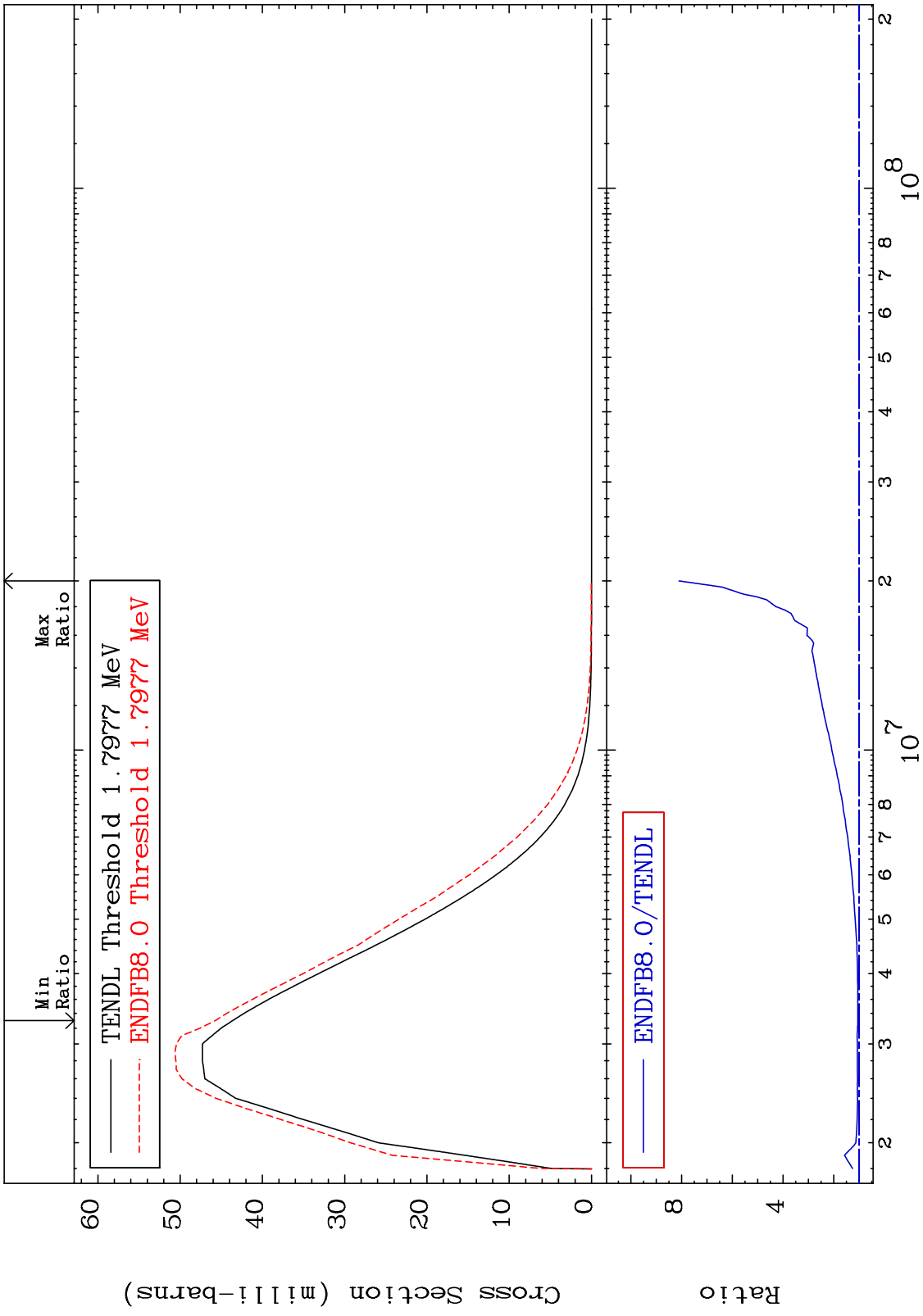


MAT 2828 MT= 61 (n,n') Level Cross Section 28-Ni-59 -2.034 To 715.4 %

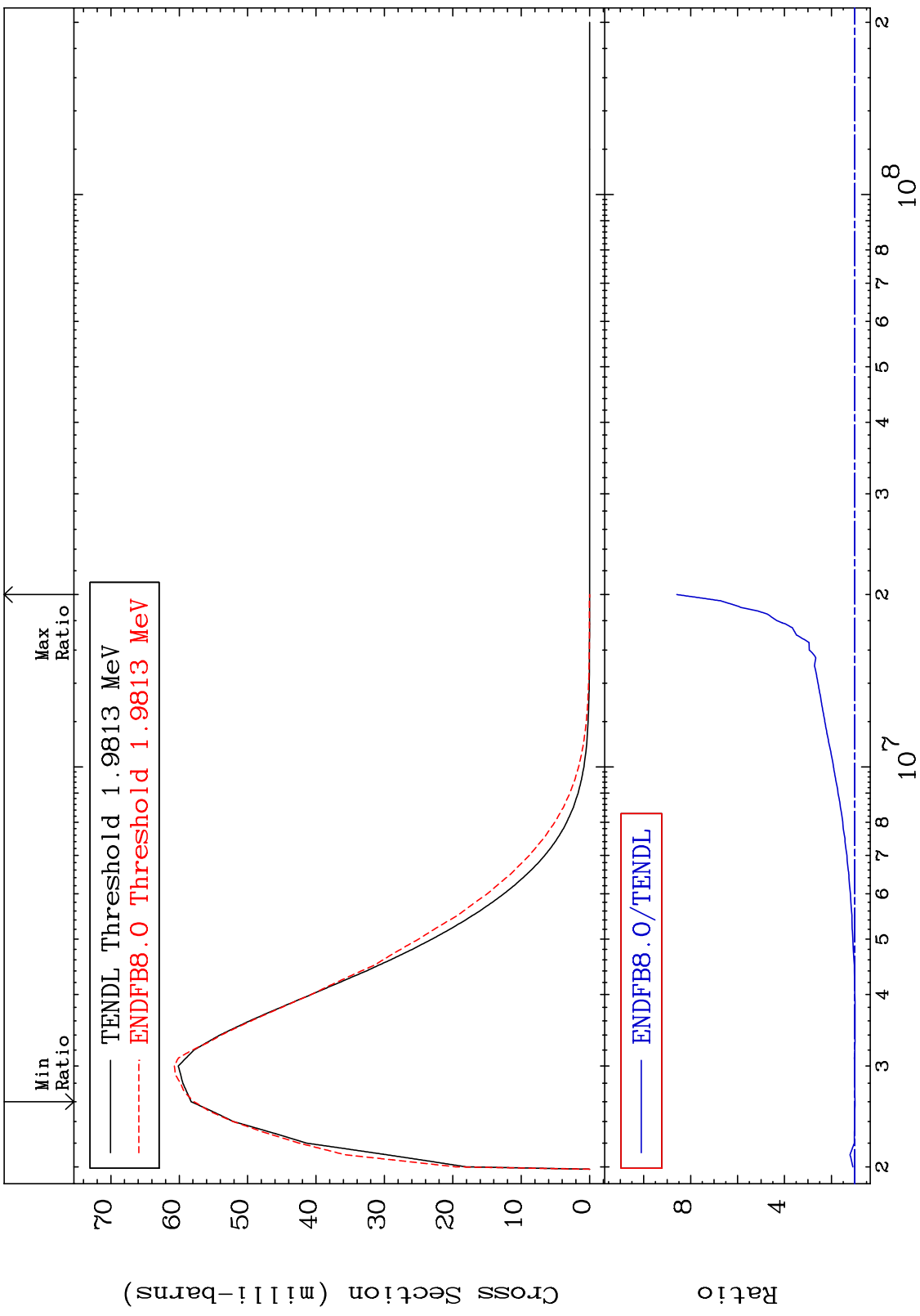


18 28-Ni-59

MAT 2828 MT= 62 (n,n') Level Cross Section 28-Ni-59
 4.794 To 710.4 %

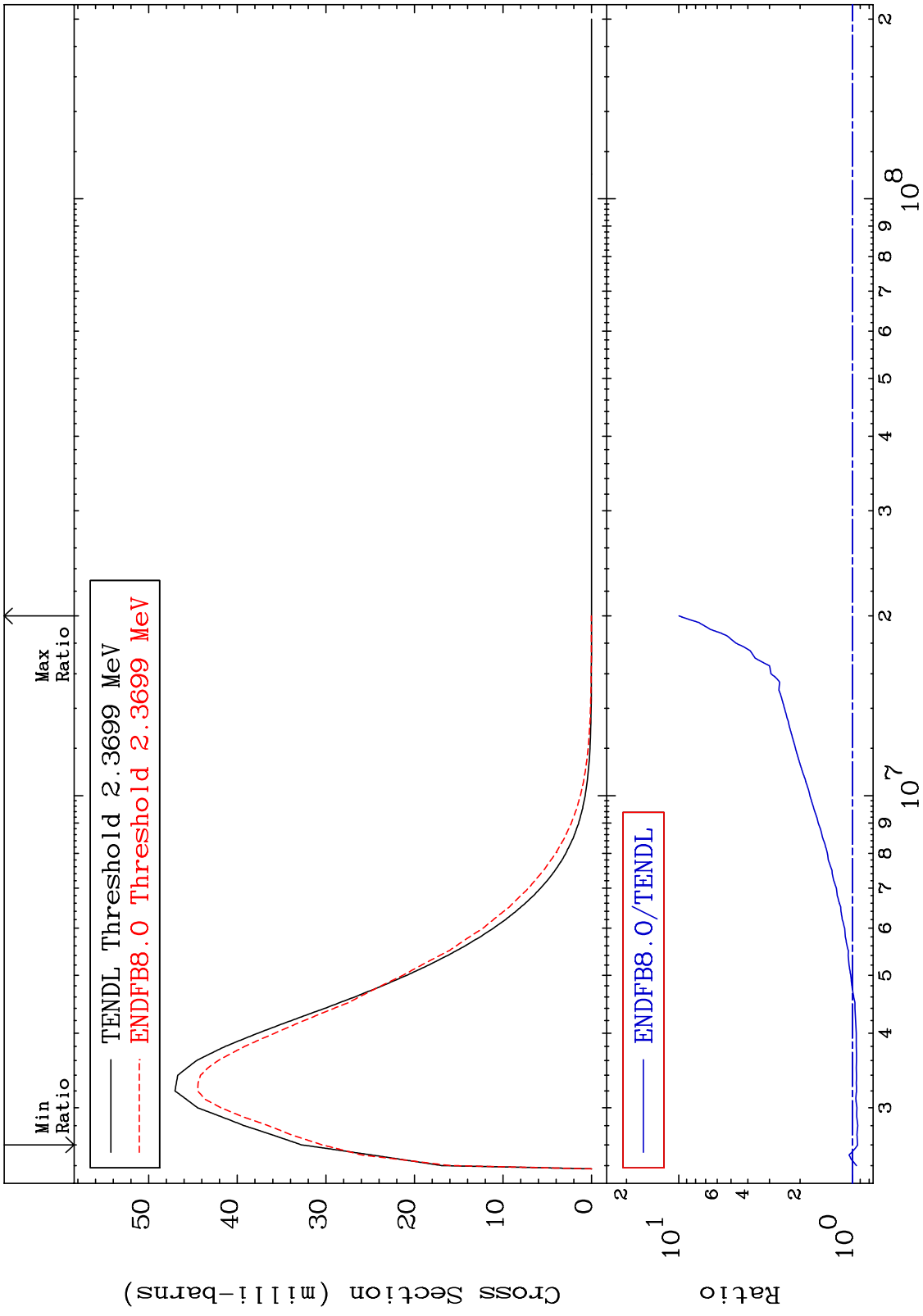


MAT 2828 MT= 63 (n,n') Level Cross Section 28-Ni-59
-0.751 To 758.8 %

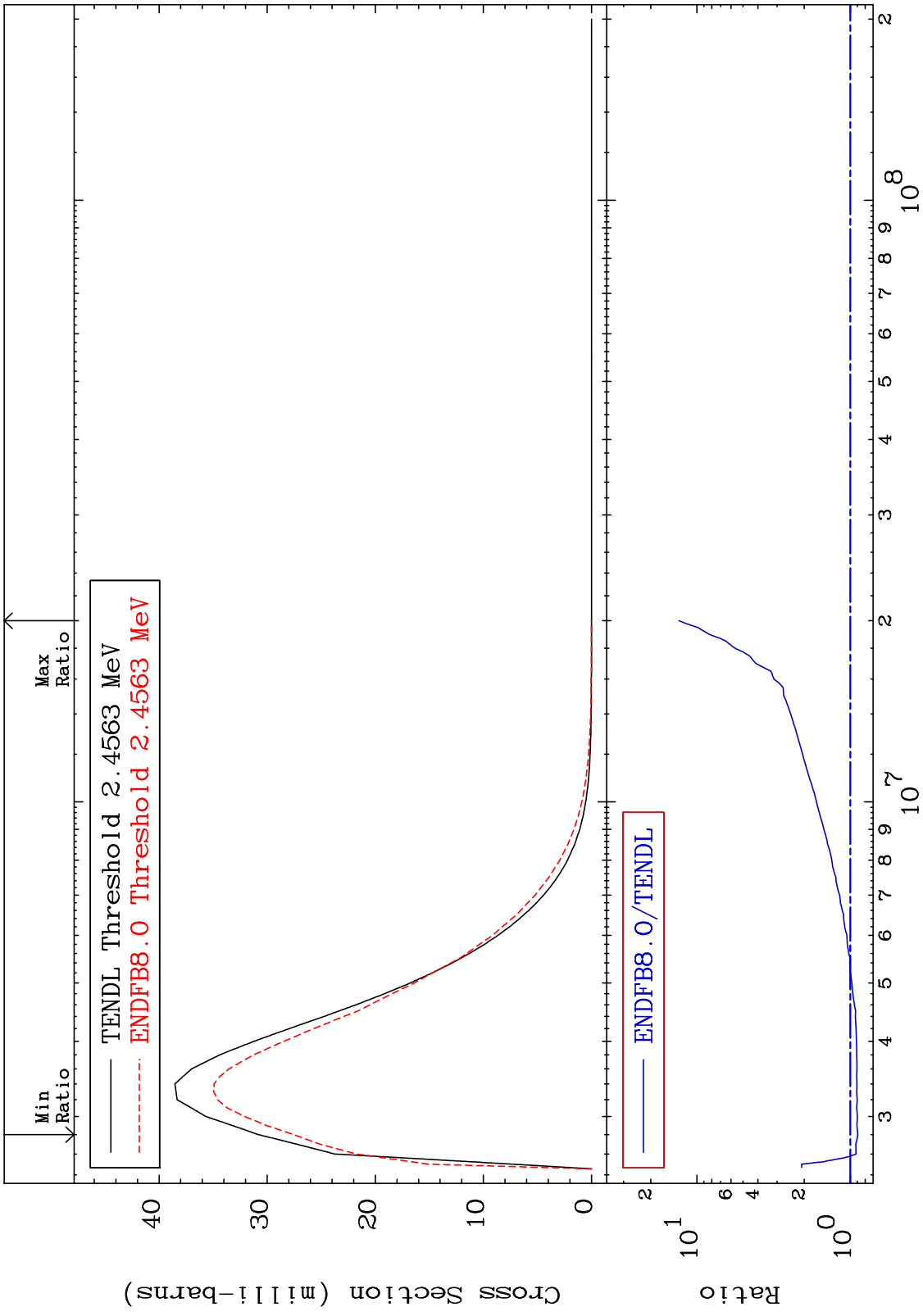


20 28-Ni-59

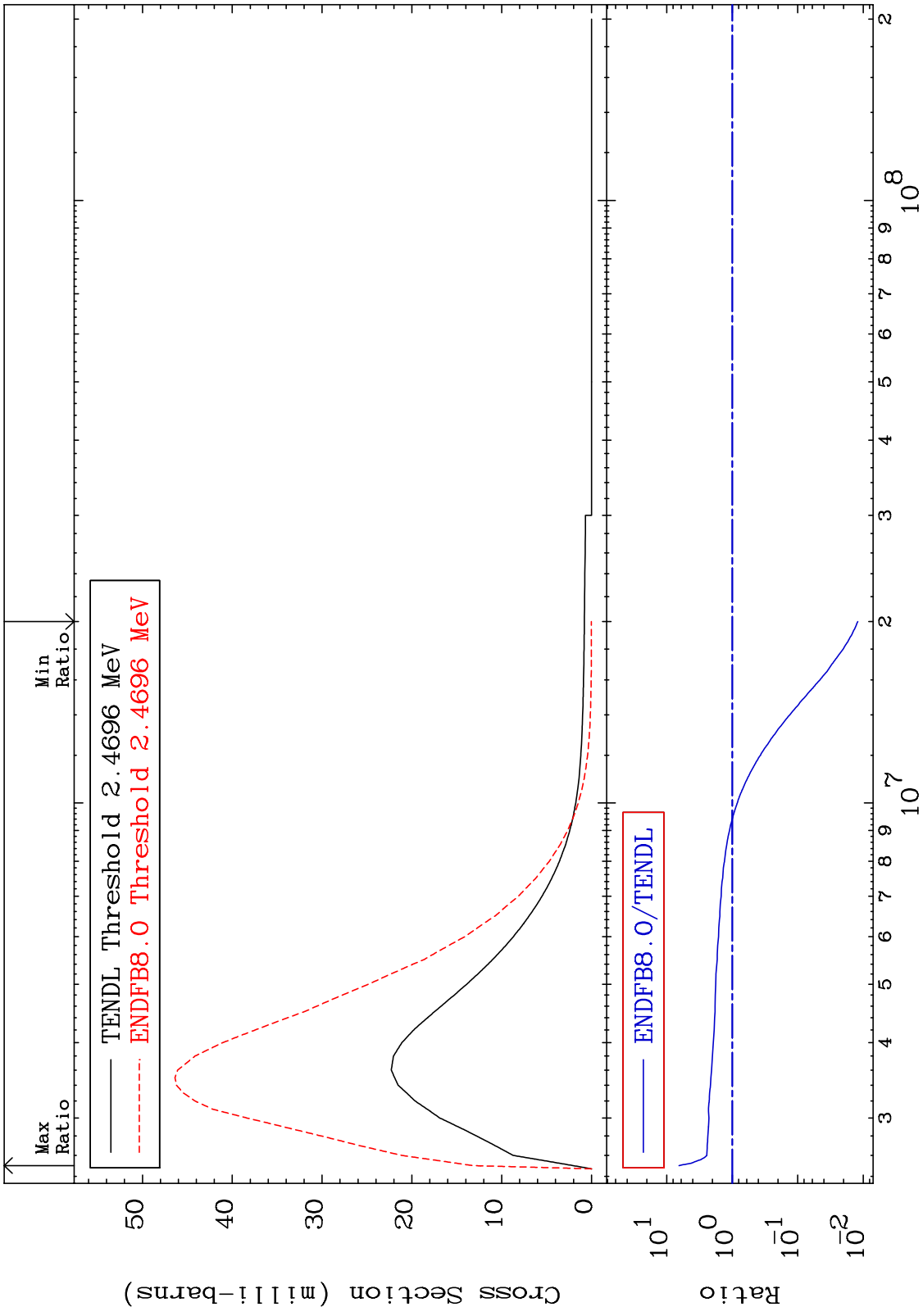
MAT 2828 MT= 64 (n,n') Level Cross Section -7.138 To 896.1 % 28-Ni-59



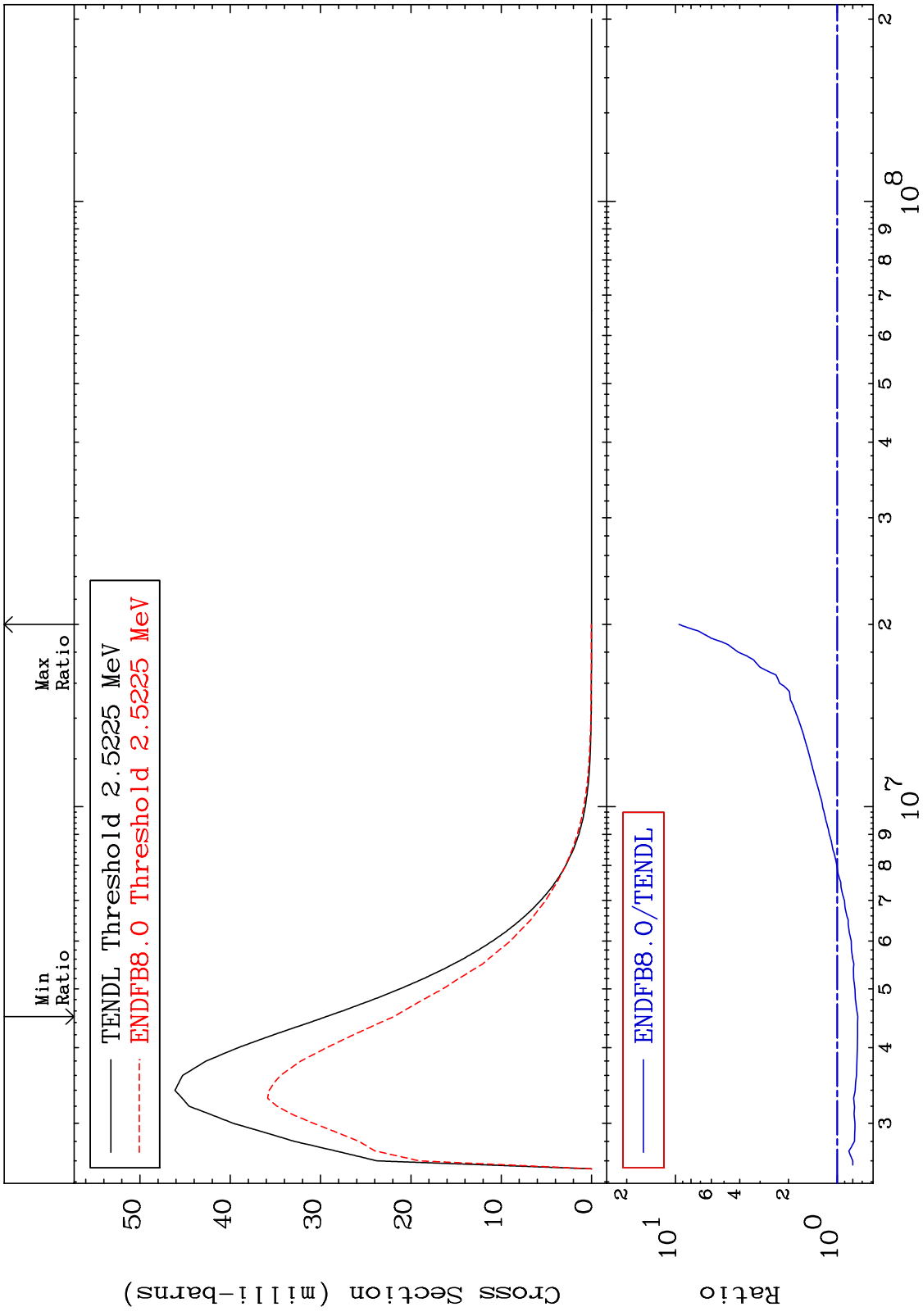
MAT 2828 MT= 65 (n,n') Level Cross Section -10.61 To 1208. % 28-Ni-59



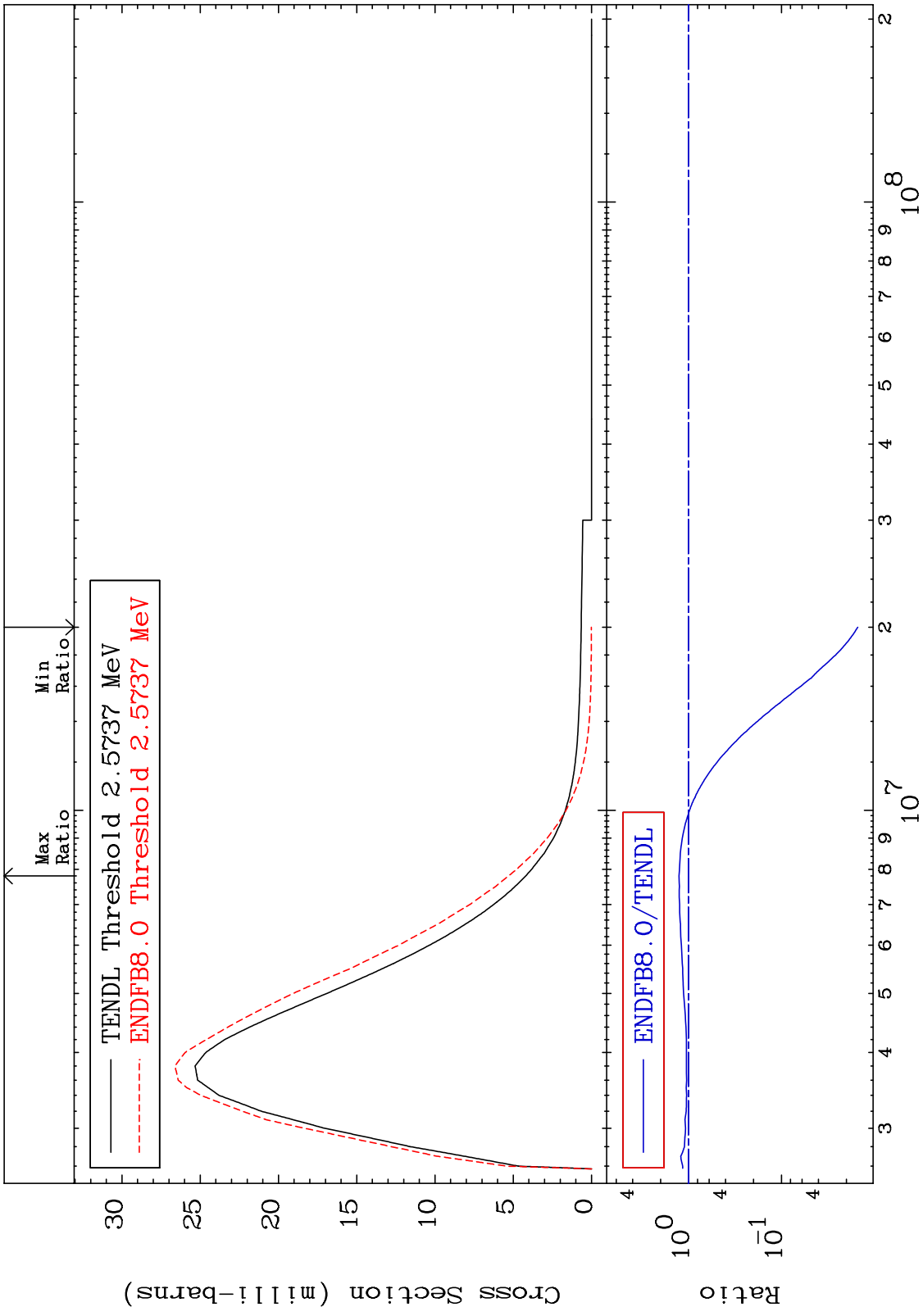
MAT 2828 MT= 66 (n,n') Level Cross Section 28-Ni-59 -98.79 To 547.5 %



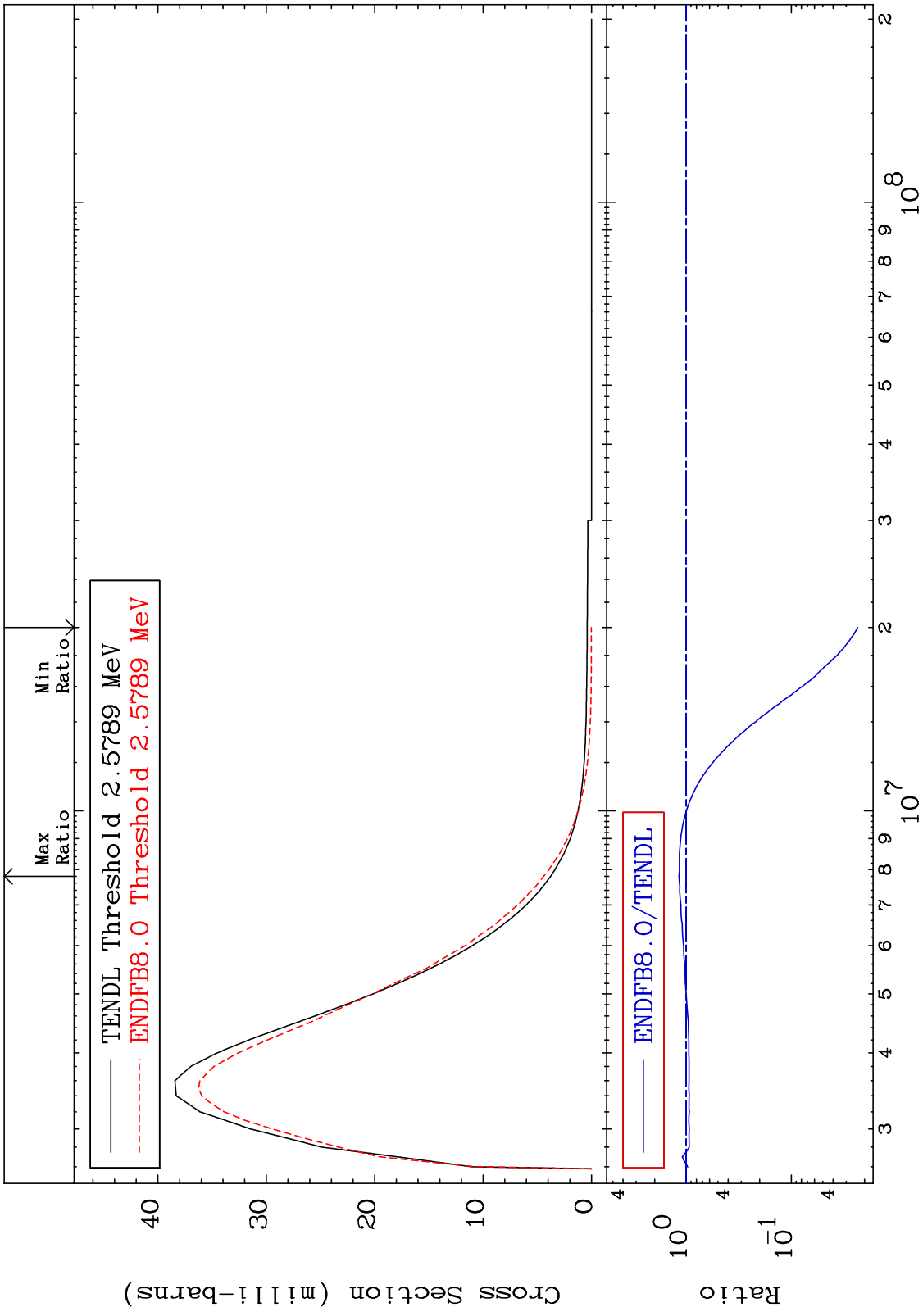
MAT 2828 MT= 67 (n,n') Level Cross Section -25.48 To 849.1 % 28-Ni-59



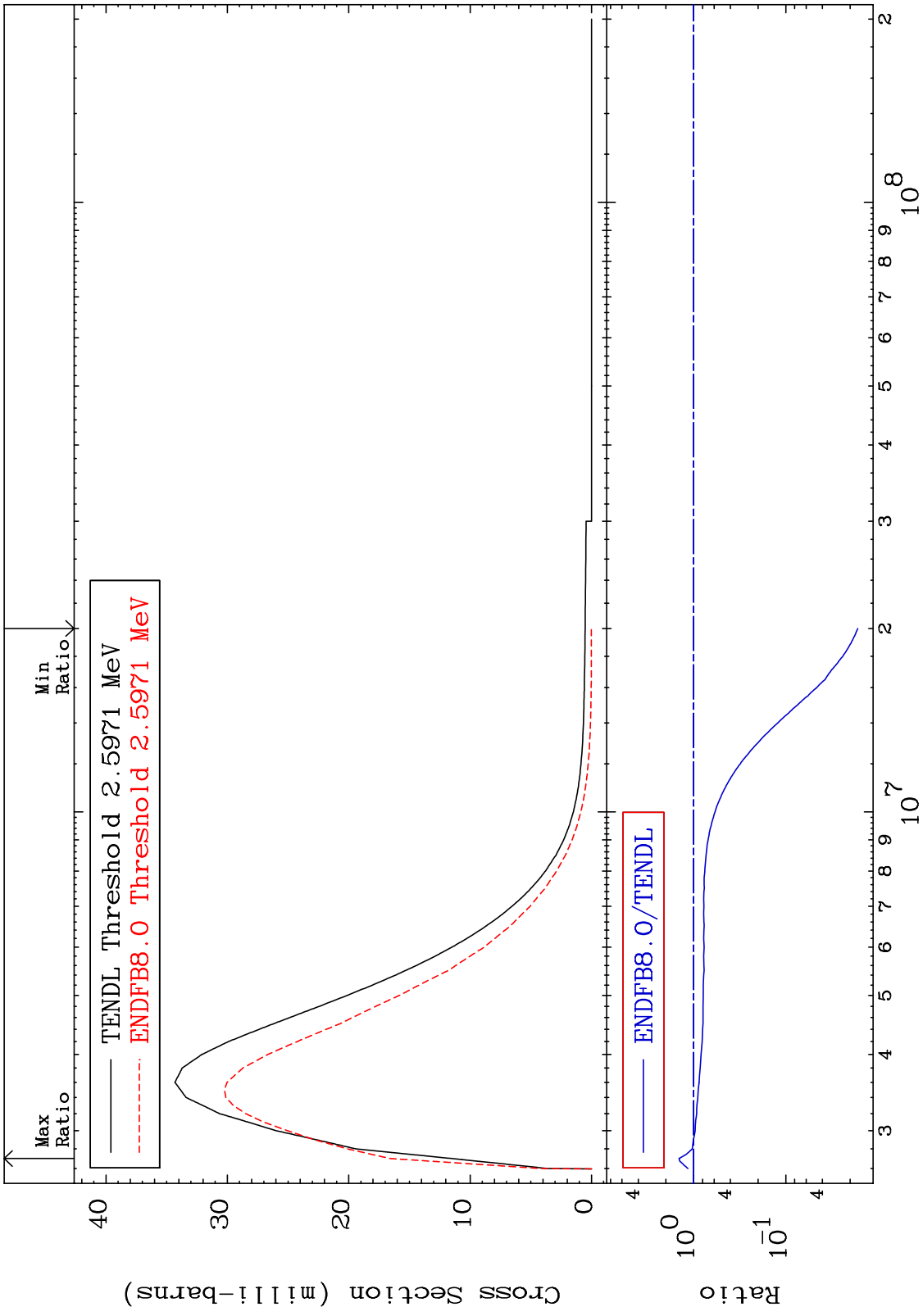
MAT 2828 MT= 68 (n,n') Level Cross Section -98.50 To 26.33 % 28-Ni-59



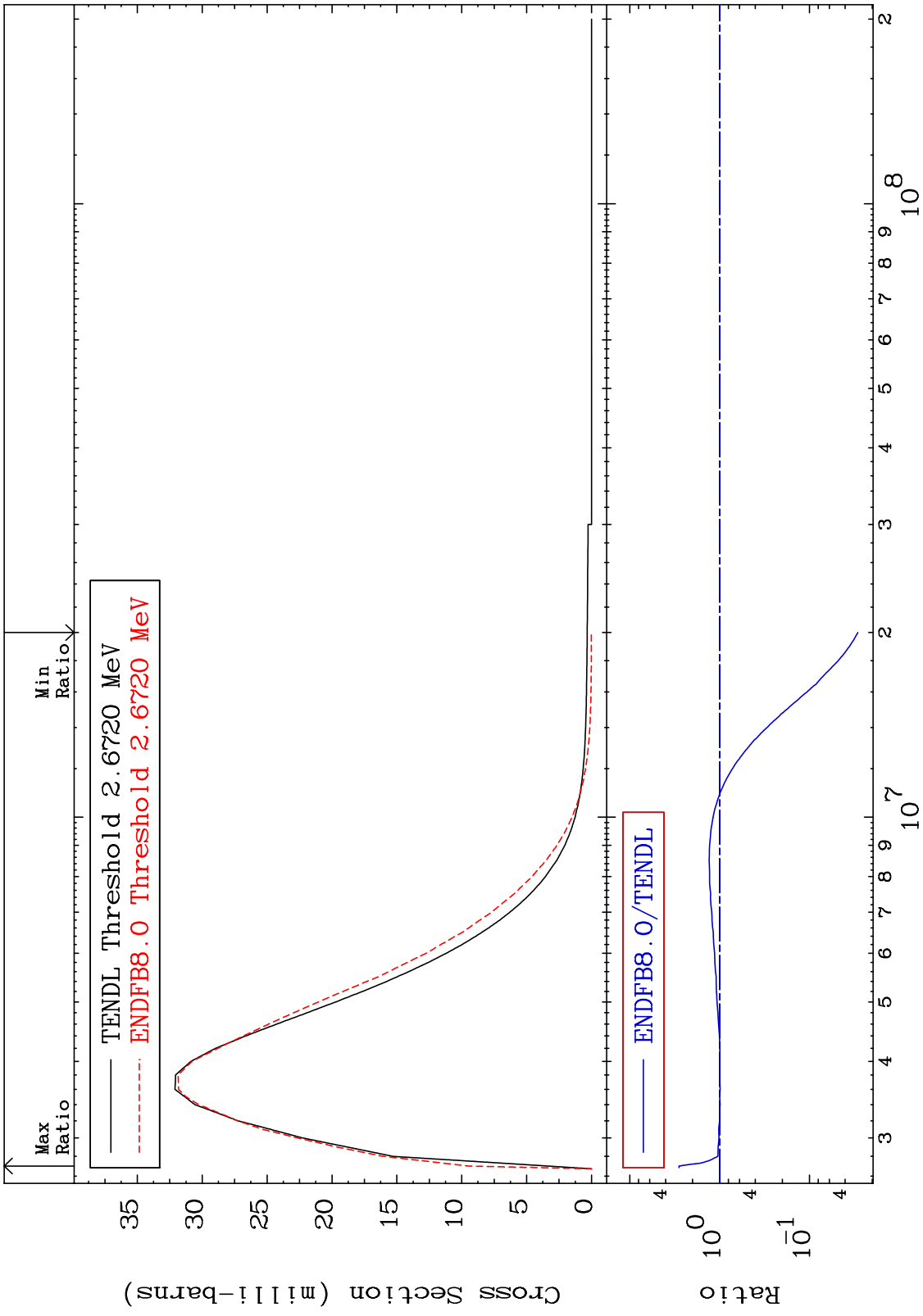
MAT 2828 MT= 69 (n,n') Level Cross Section 28-Ni-59 -97.68 To 17.23 %



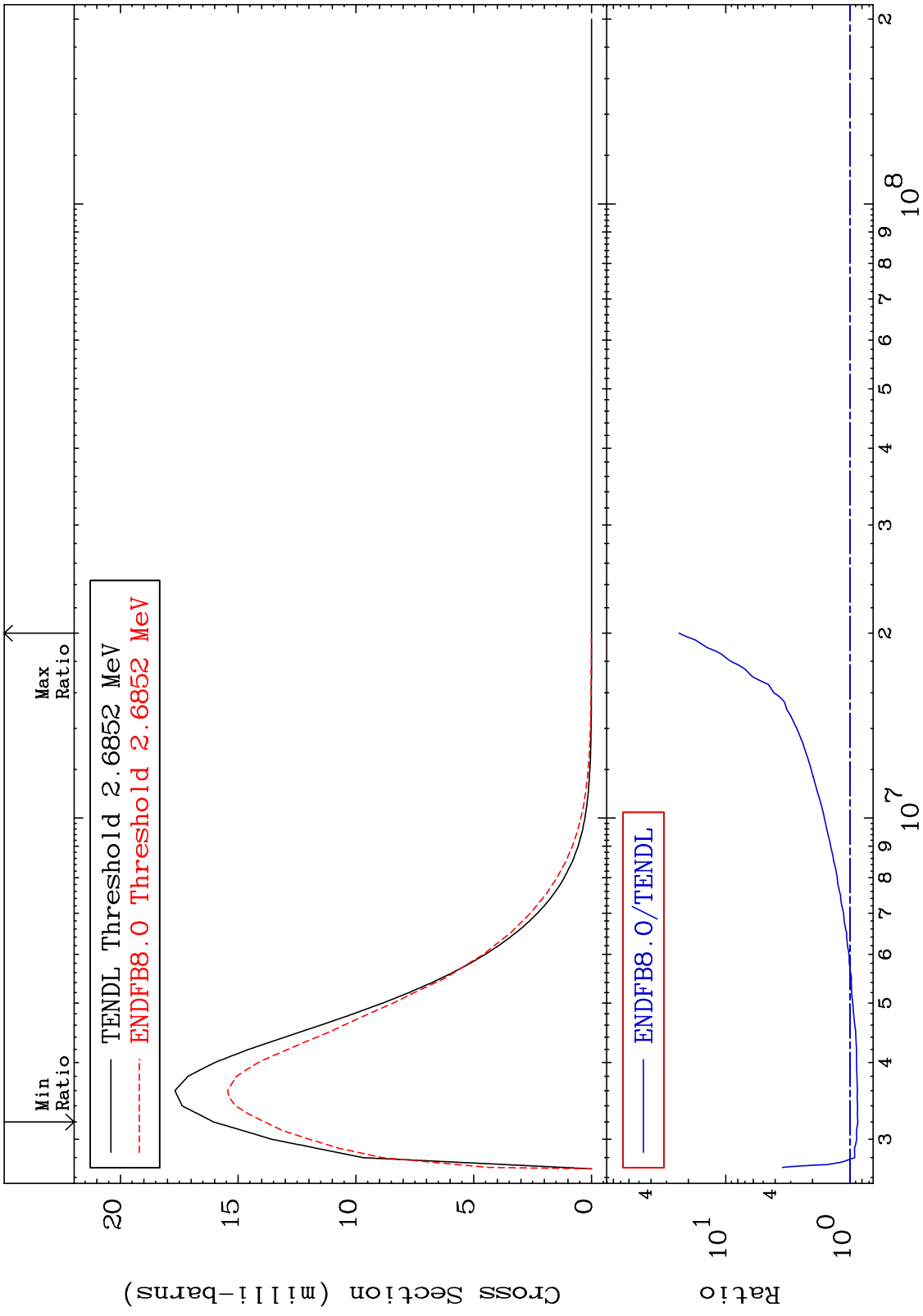
MAT 2828 MT= 70 (n,n') Level Cross Section 28-Ni-59
 -98.35 To 44.15 %



MAT 2828 MT= 71 (n,n') Level Cross Section -97.11 To 182.9 % 28-Ni-59

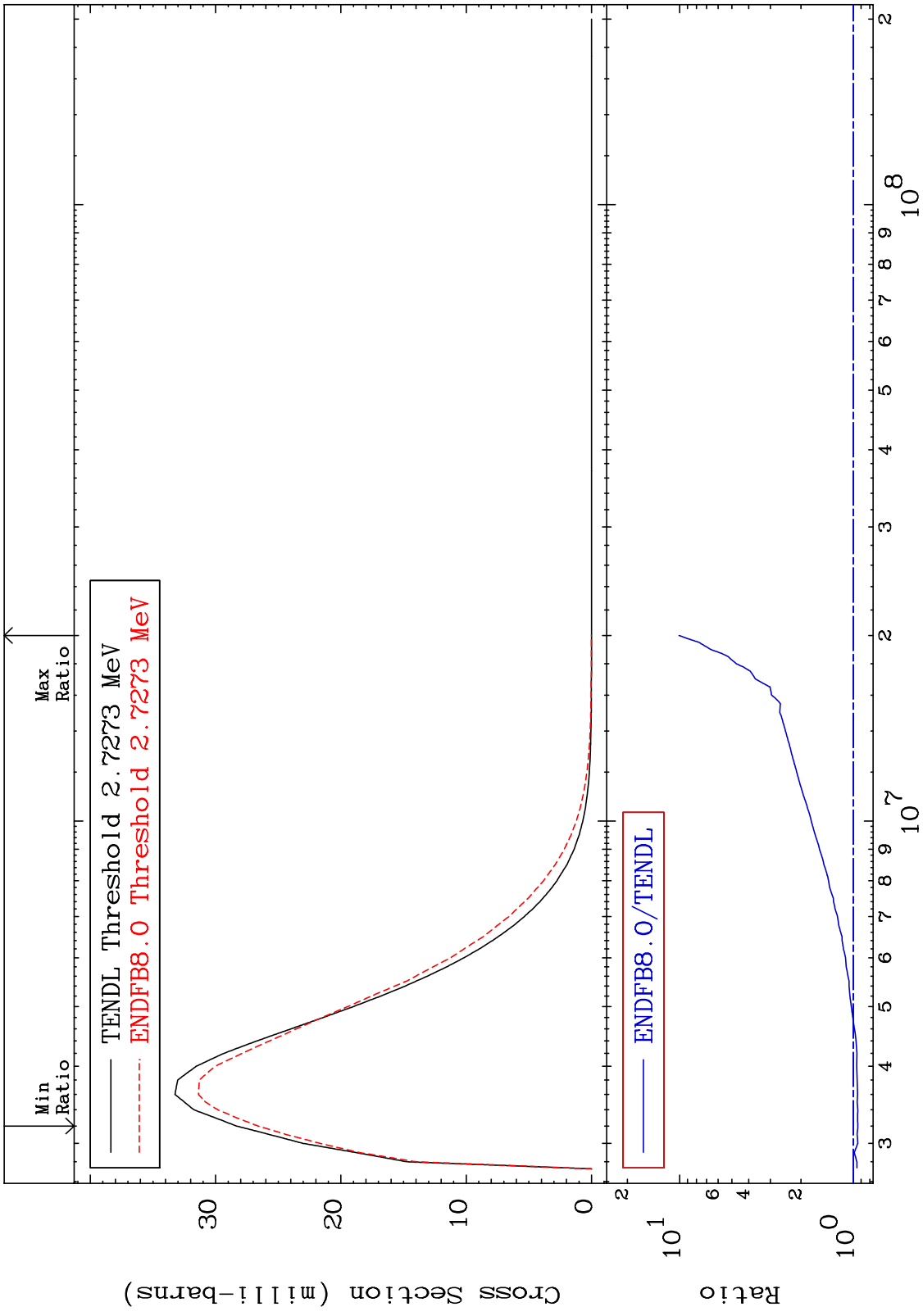


MAT 2828 MT= 72 (n,n') Level Cross Section -13.56 To 2275. % 28-Ni-59



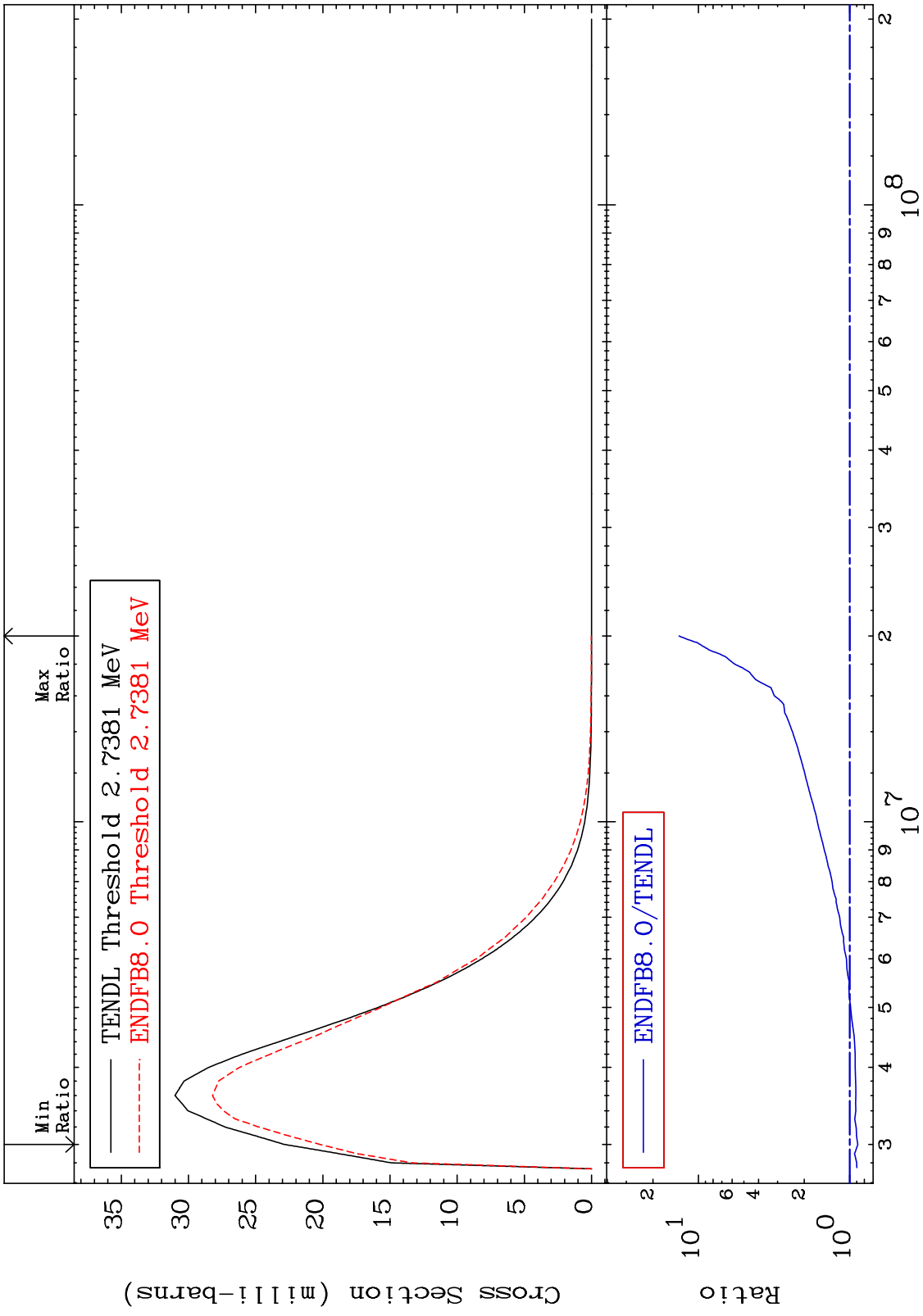
29 28-Ni-59 Incident Energy (eV)

MAT 2828 MT= 73 (n,n') Level Cross Section -6.095 To 908.0 % 28-Ni-59

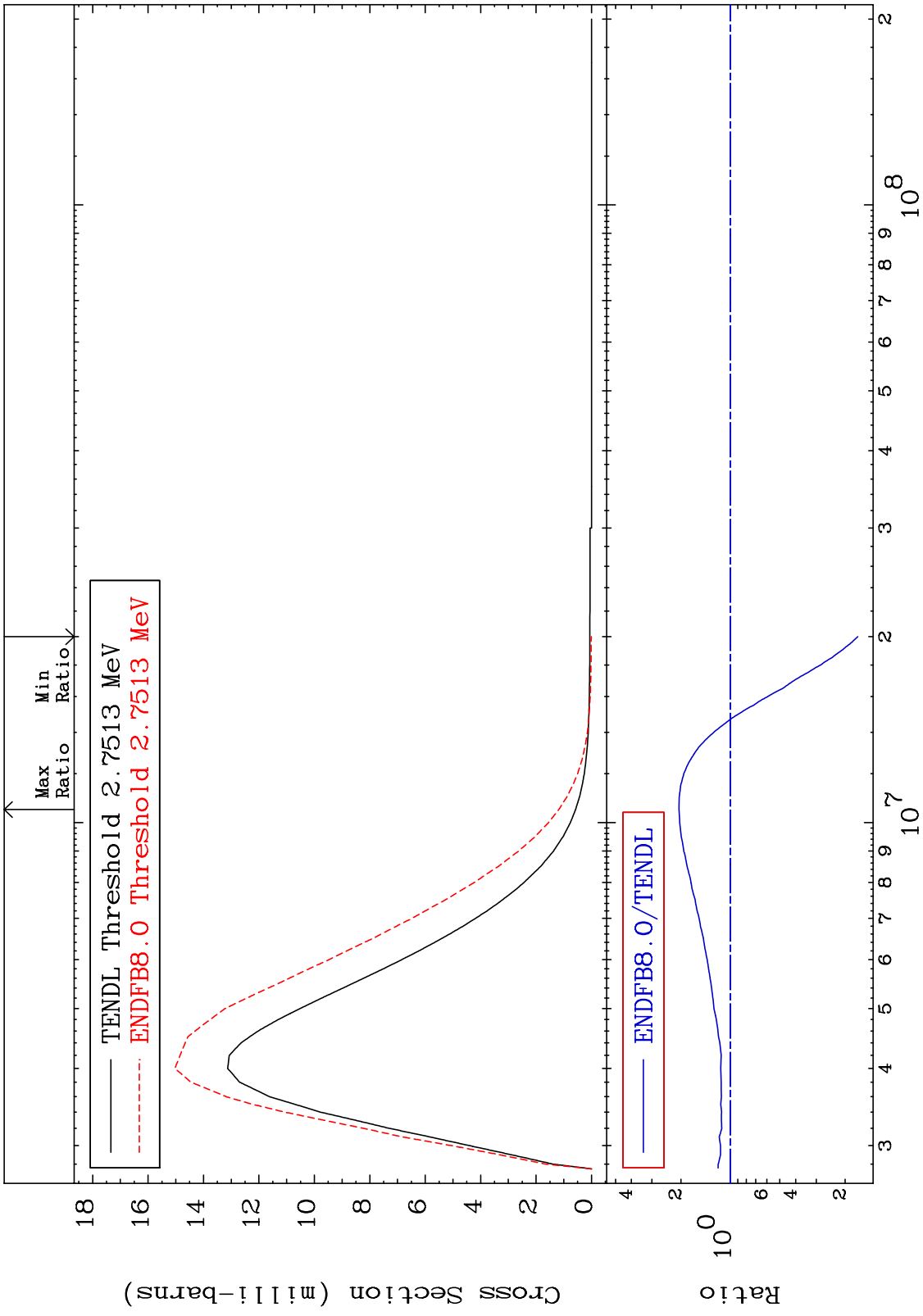


30 Incident Energy (eV) 28-Ni-59

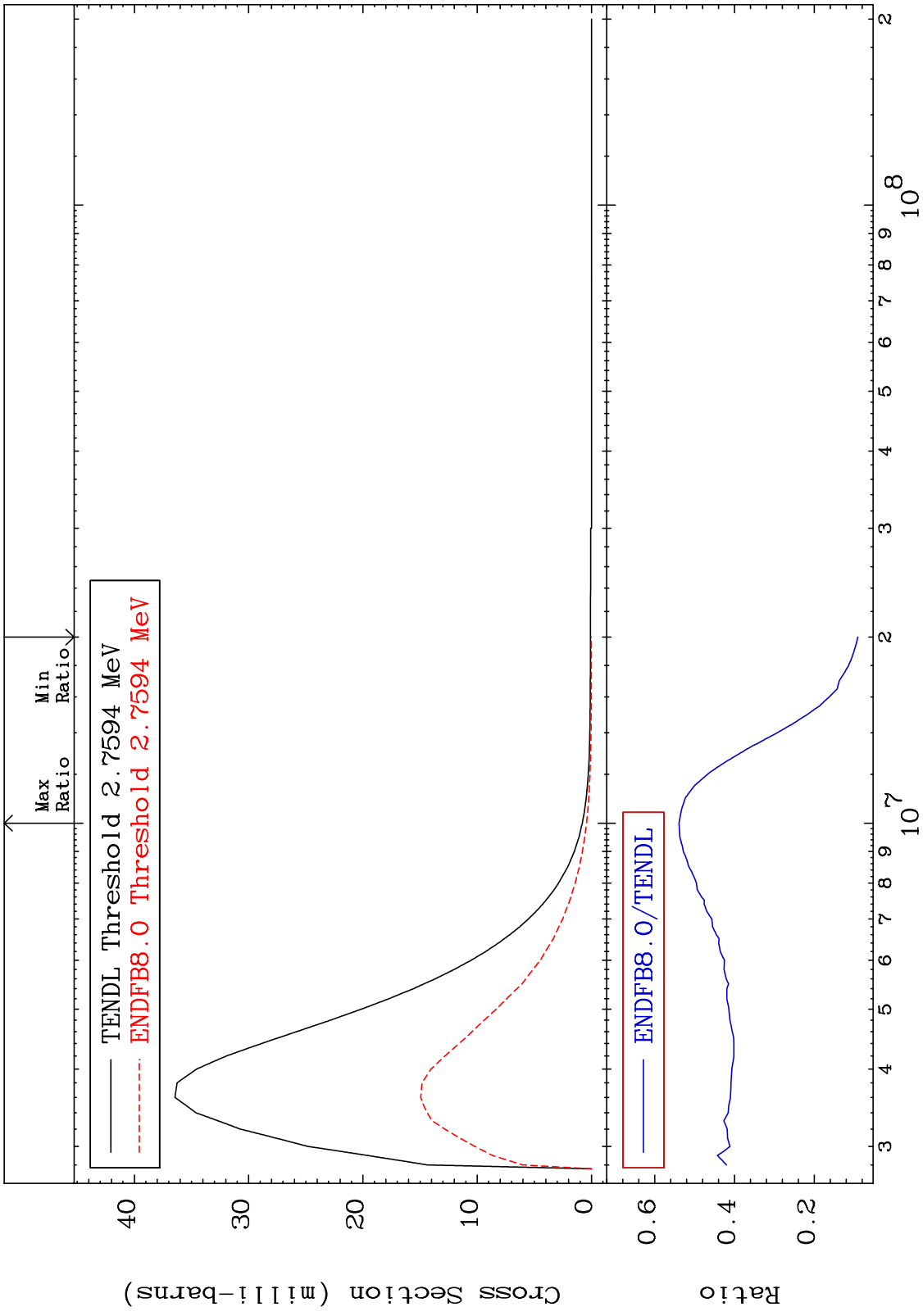
MAT 2828 MT= 74 (n,n') Level Cross Section -11.62 To 1243. % 28-Ni-59



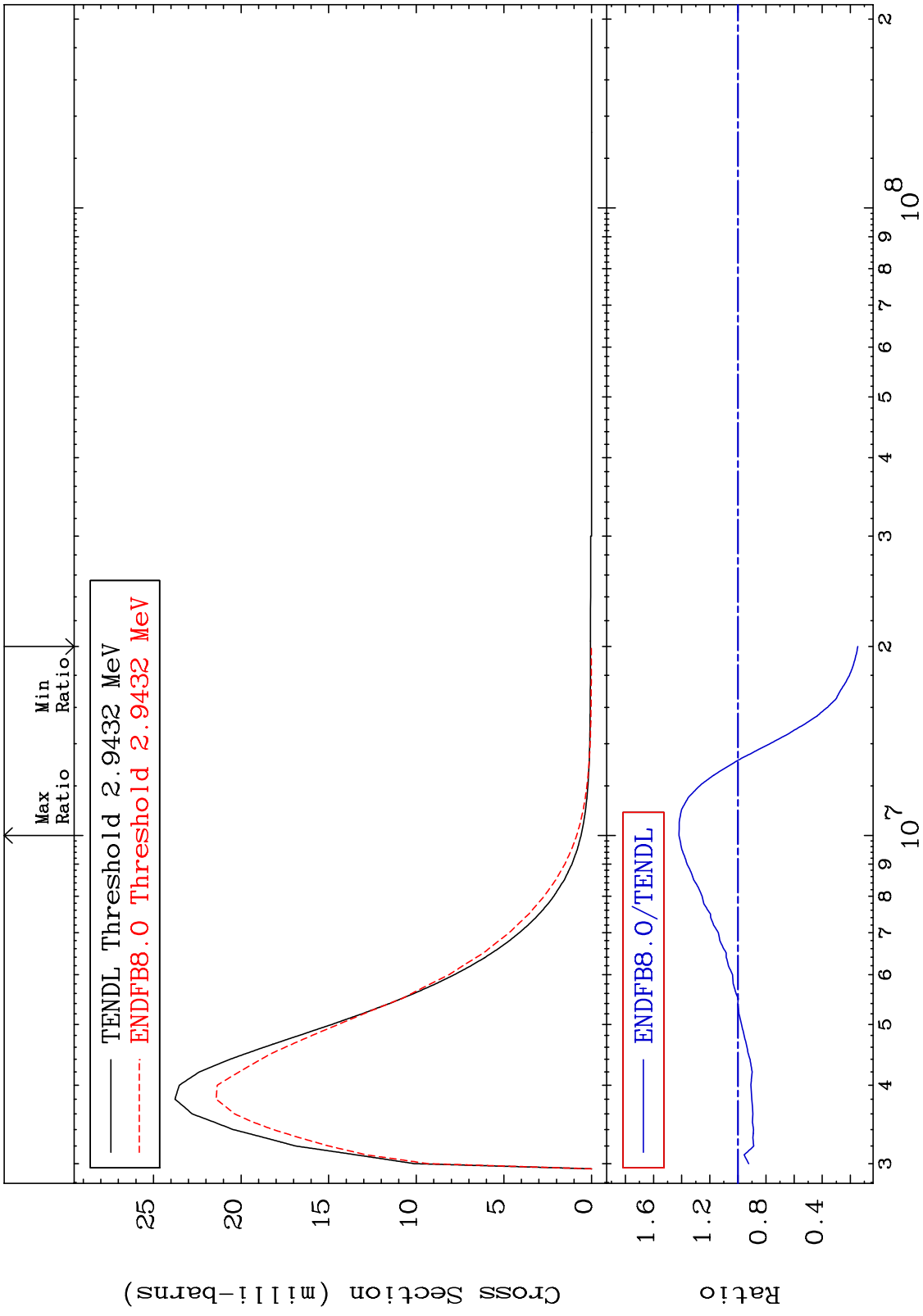
MAT 2828 MT= 75 (n,n') Level Cross Section -83.25 To 105.2 % 28-Ni-59



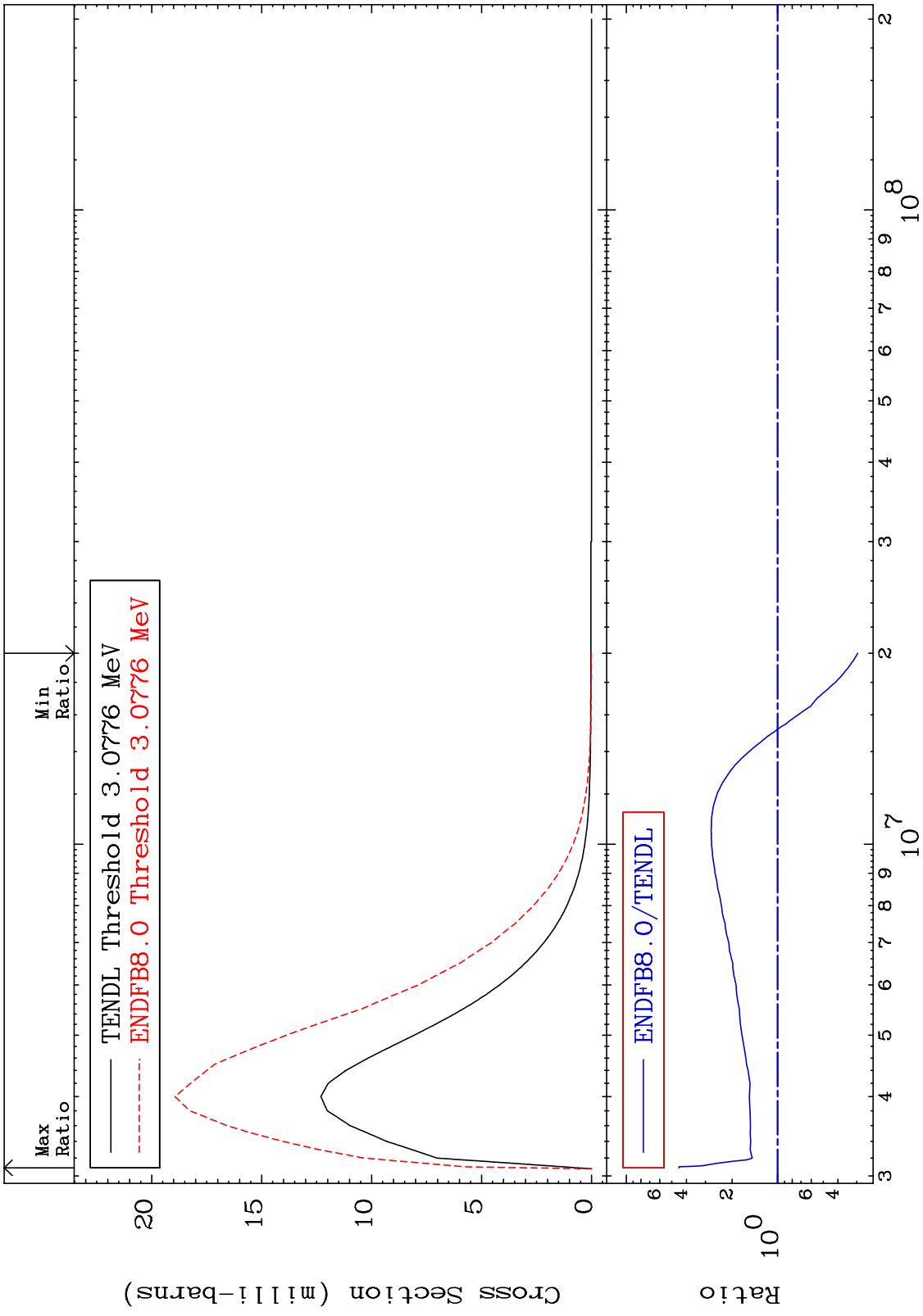
MAT 2828 MT= 76 (n,n') Level Cross Section 28-Ni-59 -90.93 To -46.11%



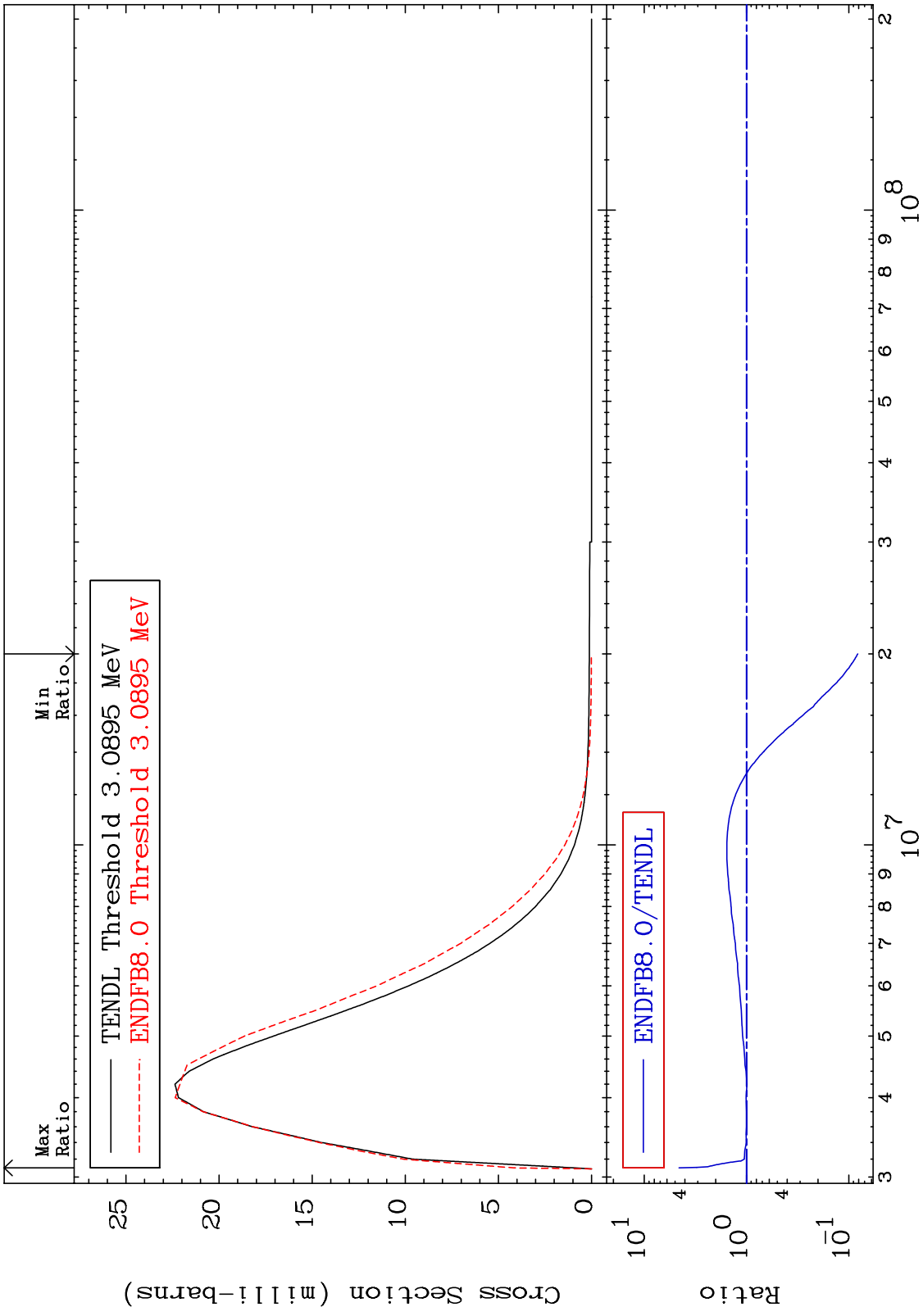
MAT 2828 MT= 77 (n,n') Level Cross Section 28-Ni-59
 -85.33 To 41.87 %



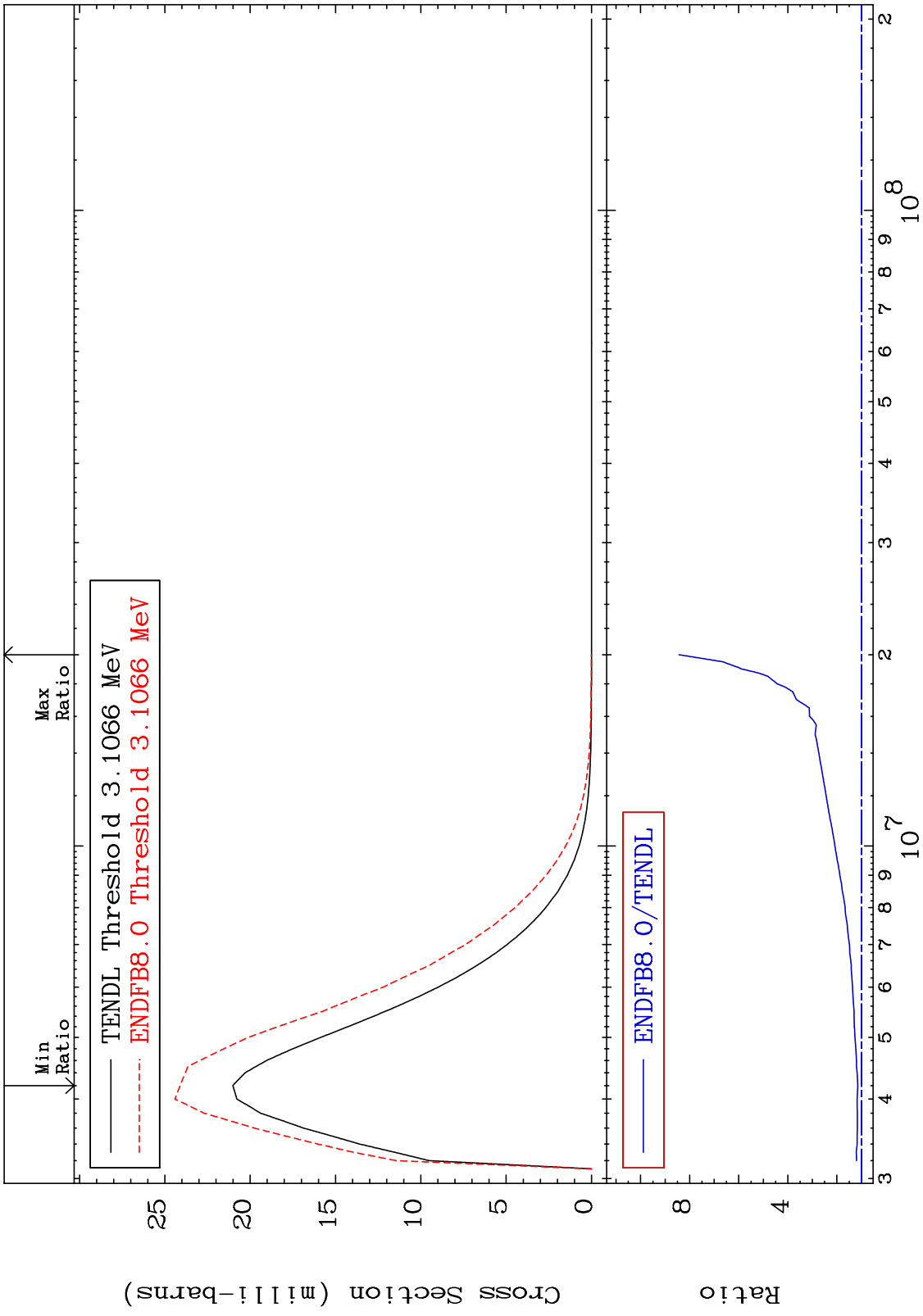
MAT 2828 MT= 78 (n,n') Level Cross Section 28-Ni-59
 -70.48 To 347.7 %



MAT 2828 MT= 79 (n,n') Level Cross Section -91.85 To 357.1 % 28-Ni-59



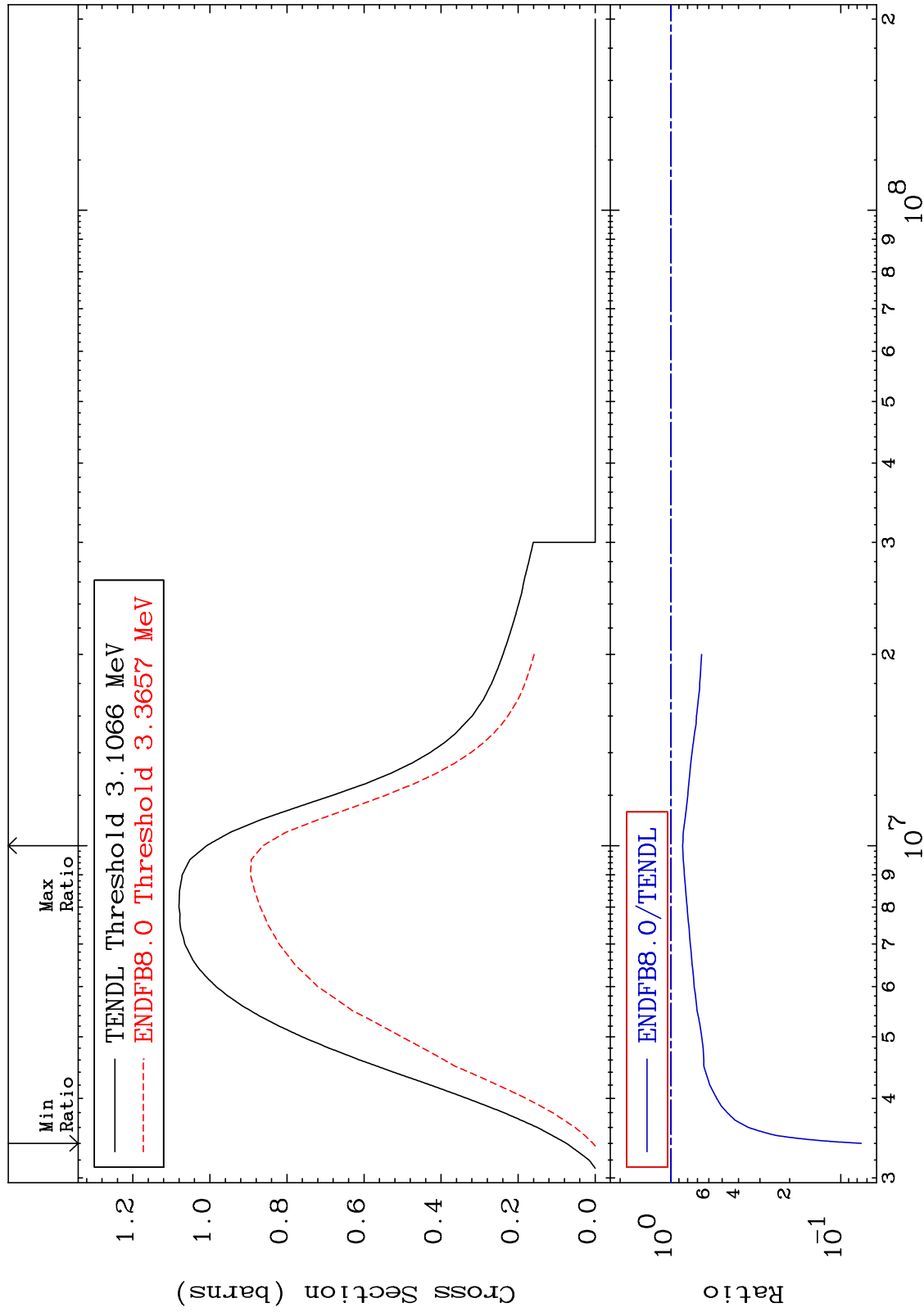
MAT 2828 MT= 80 (n,n') Level Cross Section 28-Ni-59 14.70 To 743.4 %



MAT 2828

(n,n') Continuum
Cross Section

28-Ni-59
-92.44 To -14.51%



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Incident Energy (eV)

28-Ni-59

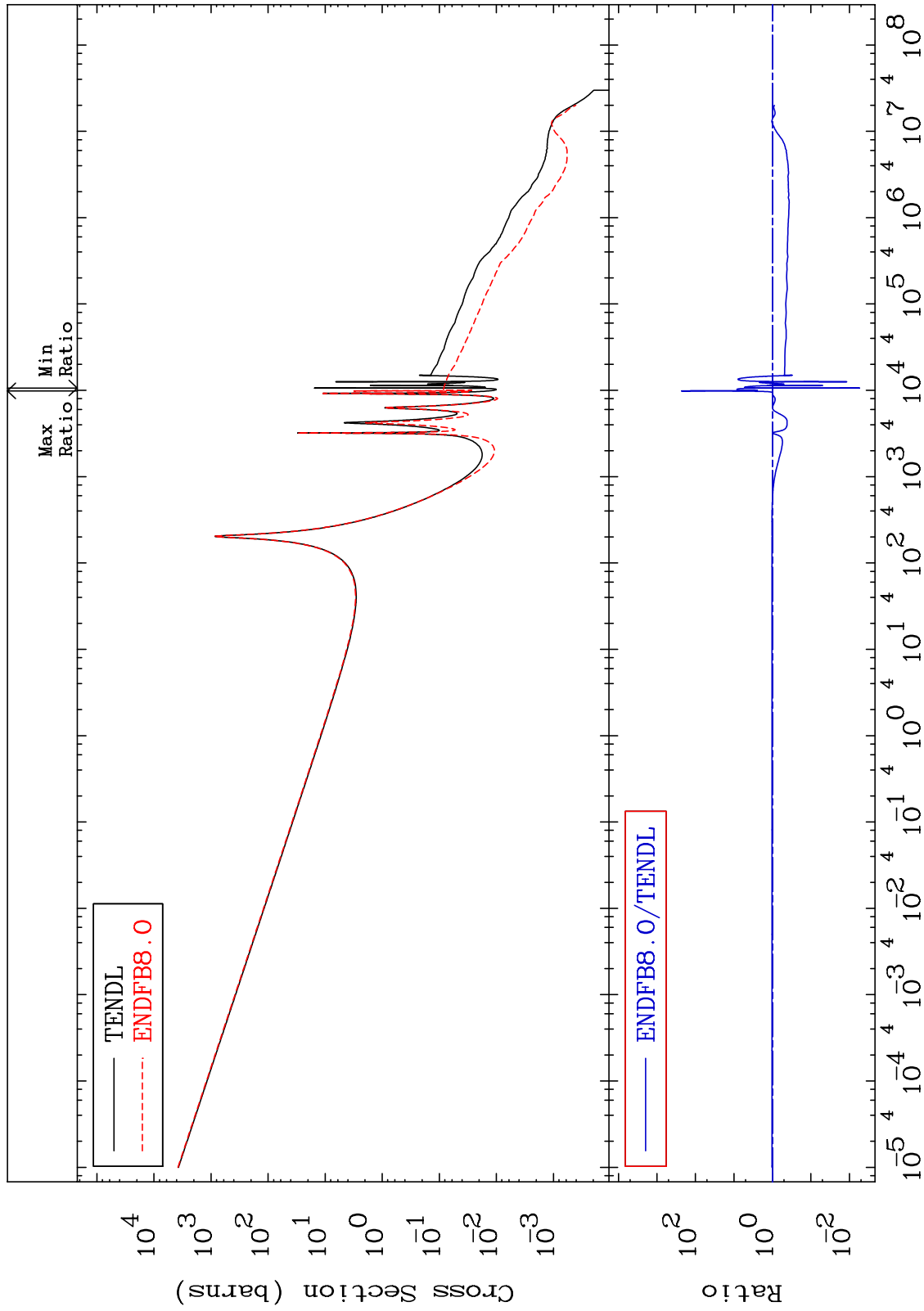
MAT 2828

(n, γ)

28-Ni-59

Cross Section

-99.46 To 9999. %



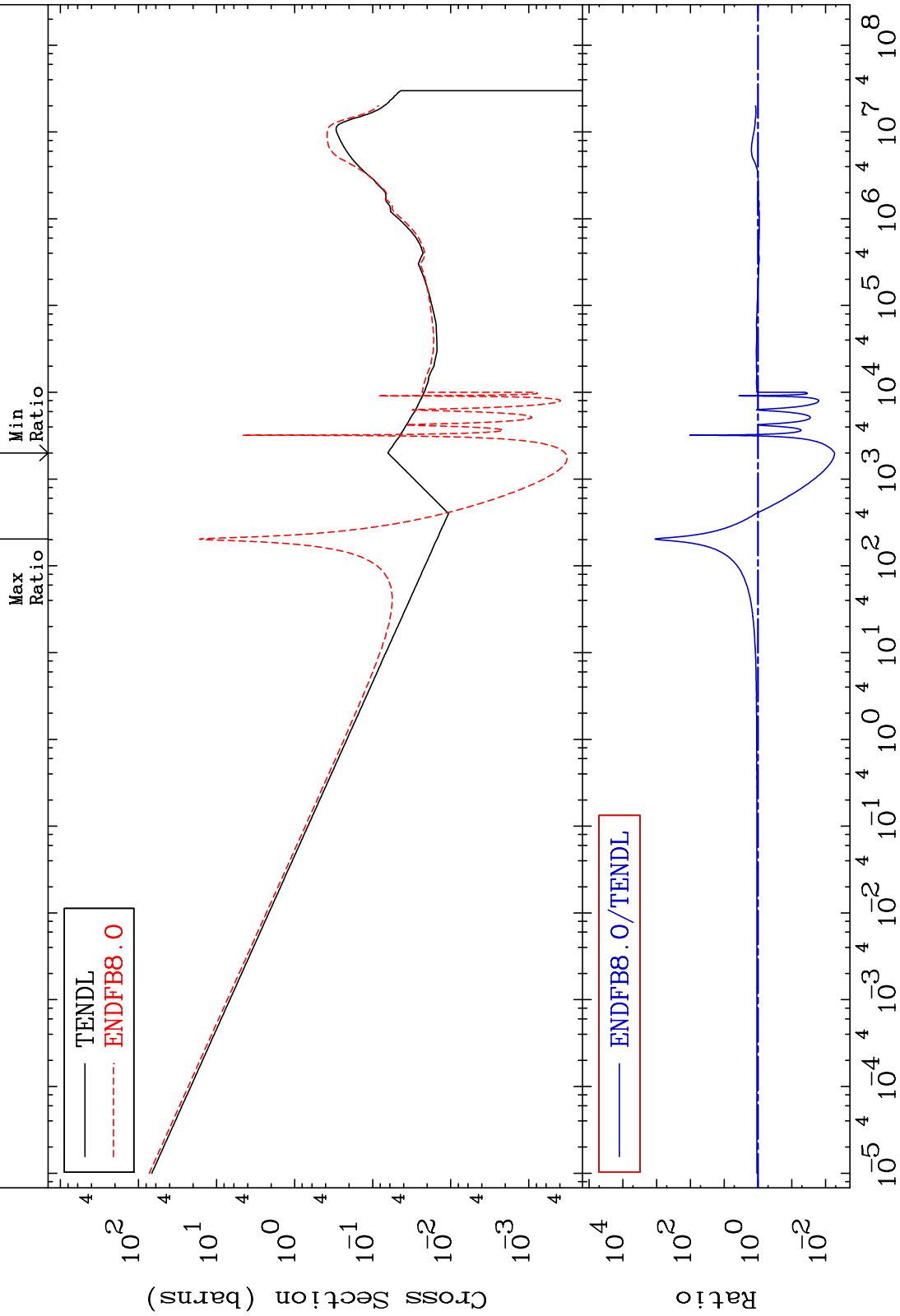
MAT 2828

(n,p)

28-Ni-59

-99.46 To 9999. %

Cross Section

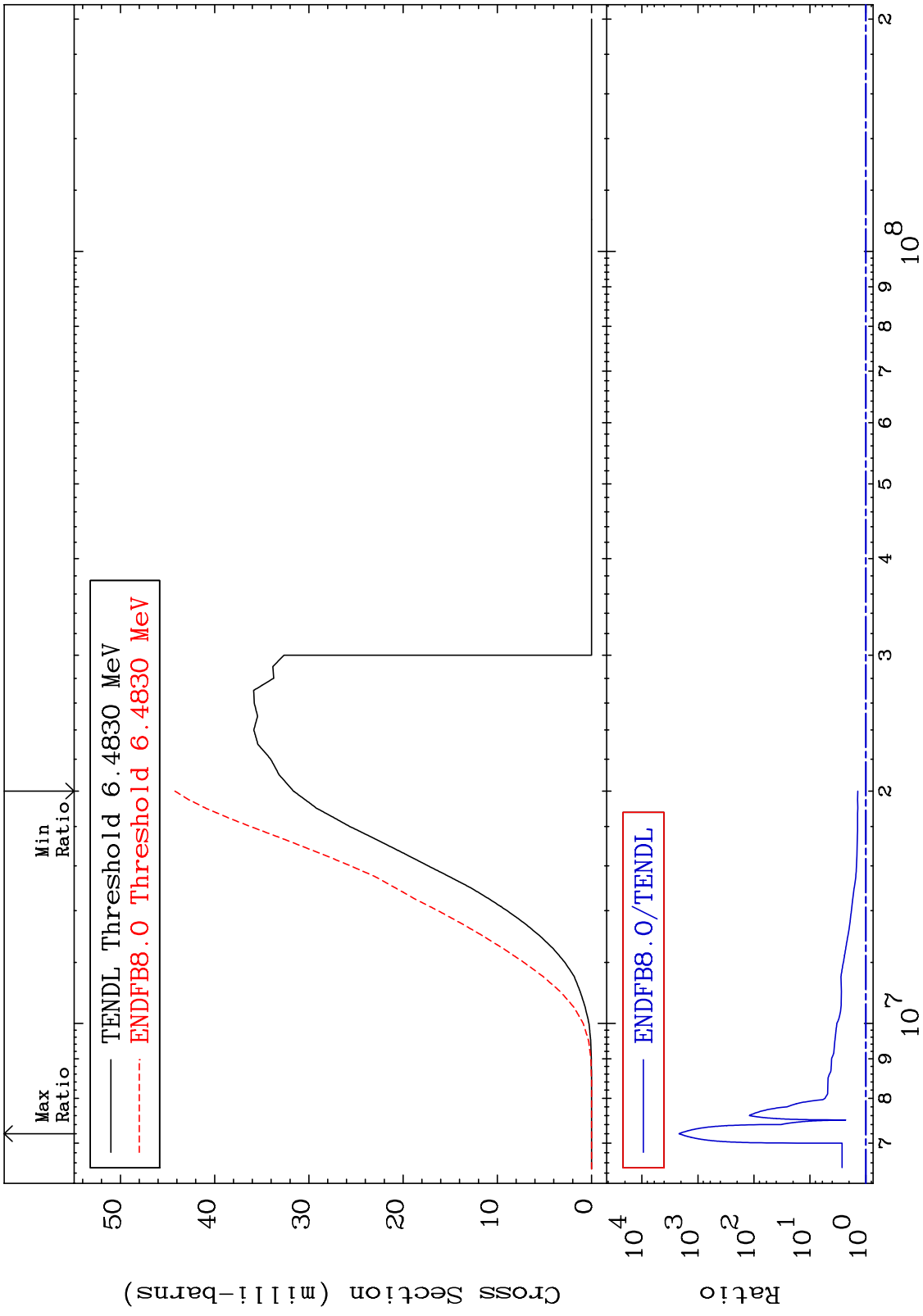


40

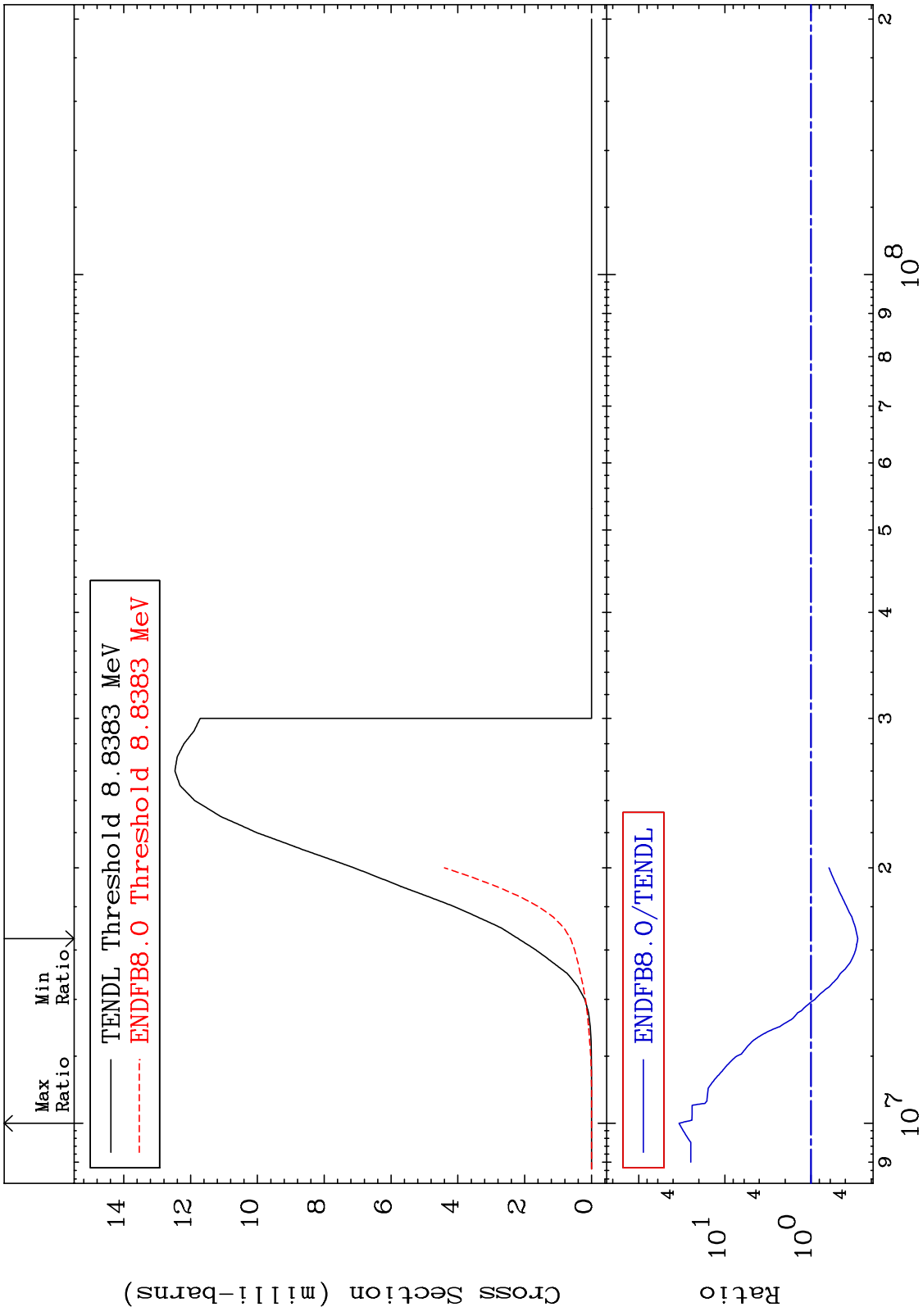
Incident Energy (eV)

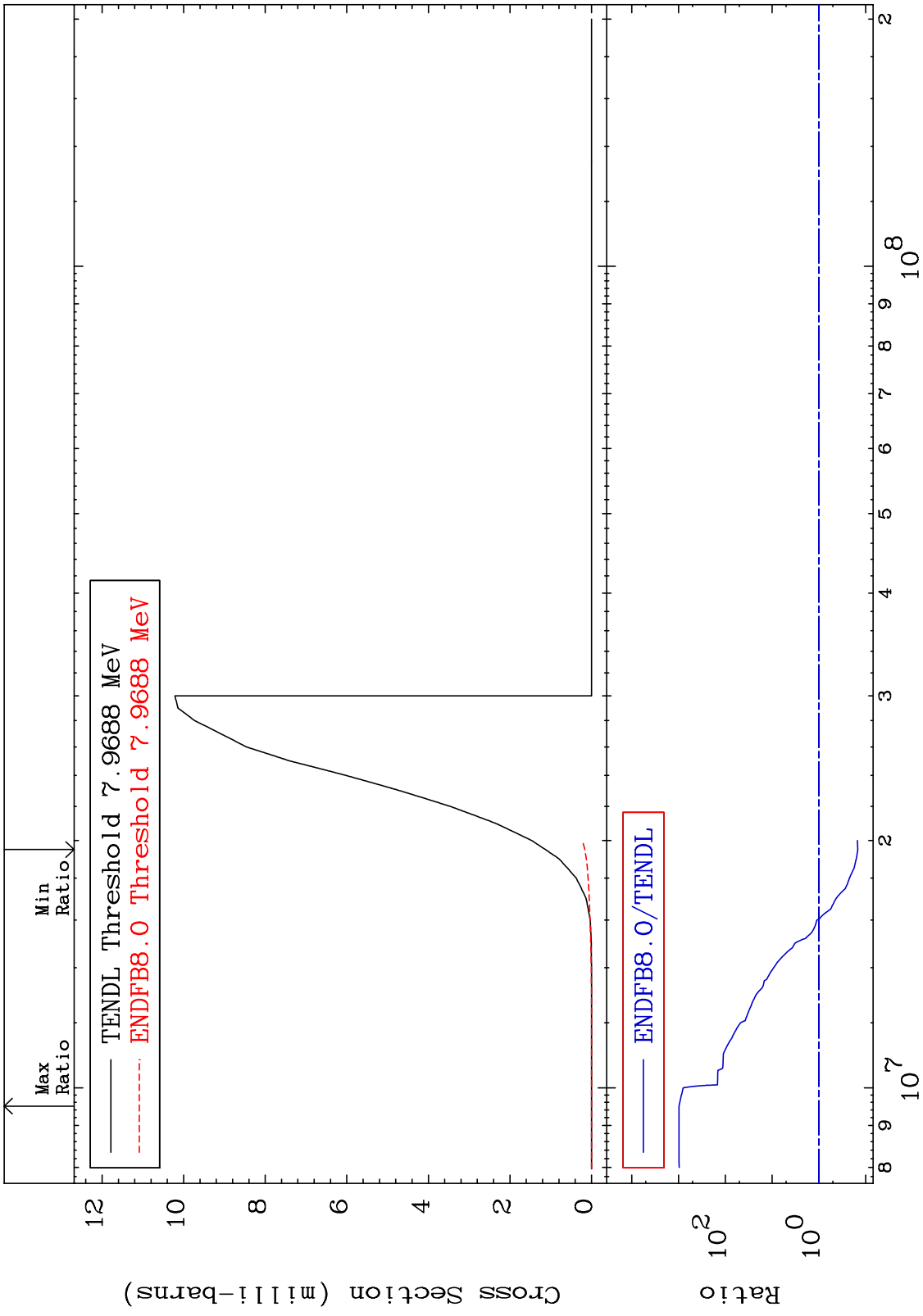
28-Ni-59

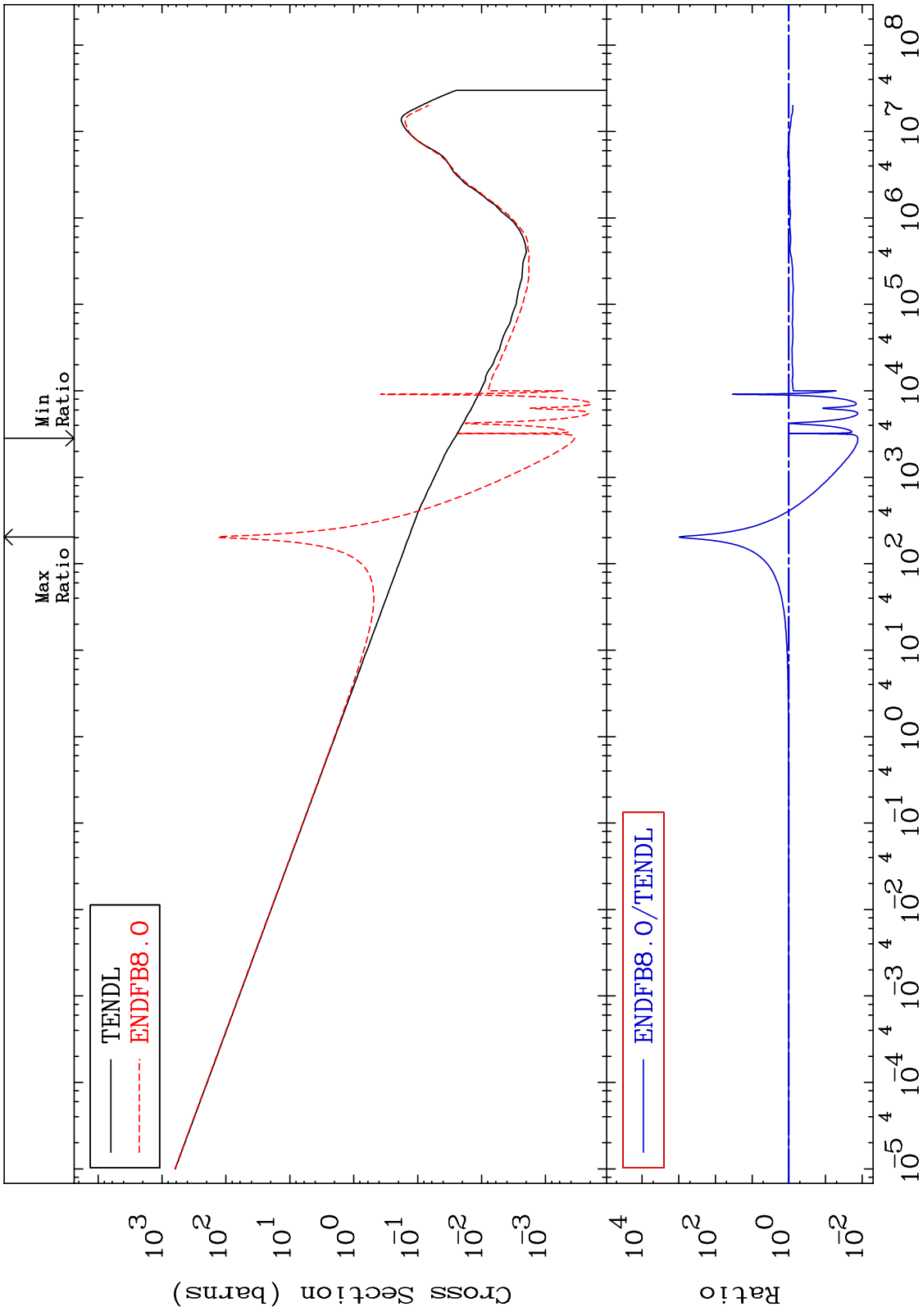
MAT 2828 (n,d) 28-Ni-59
 Cross Section 39.75 To 9999. %



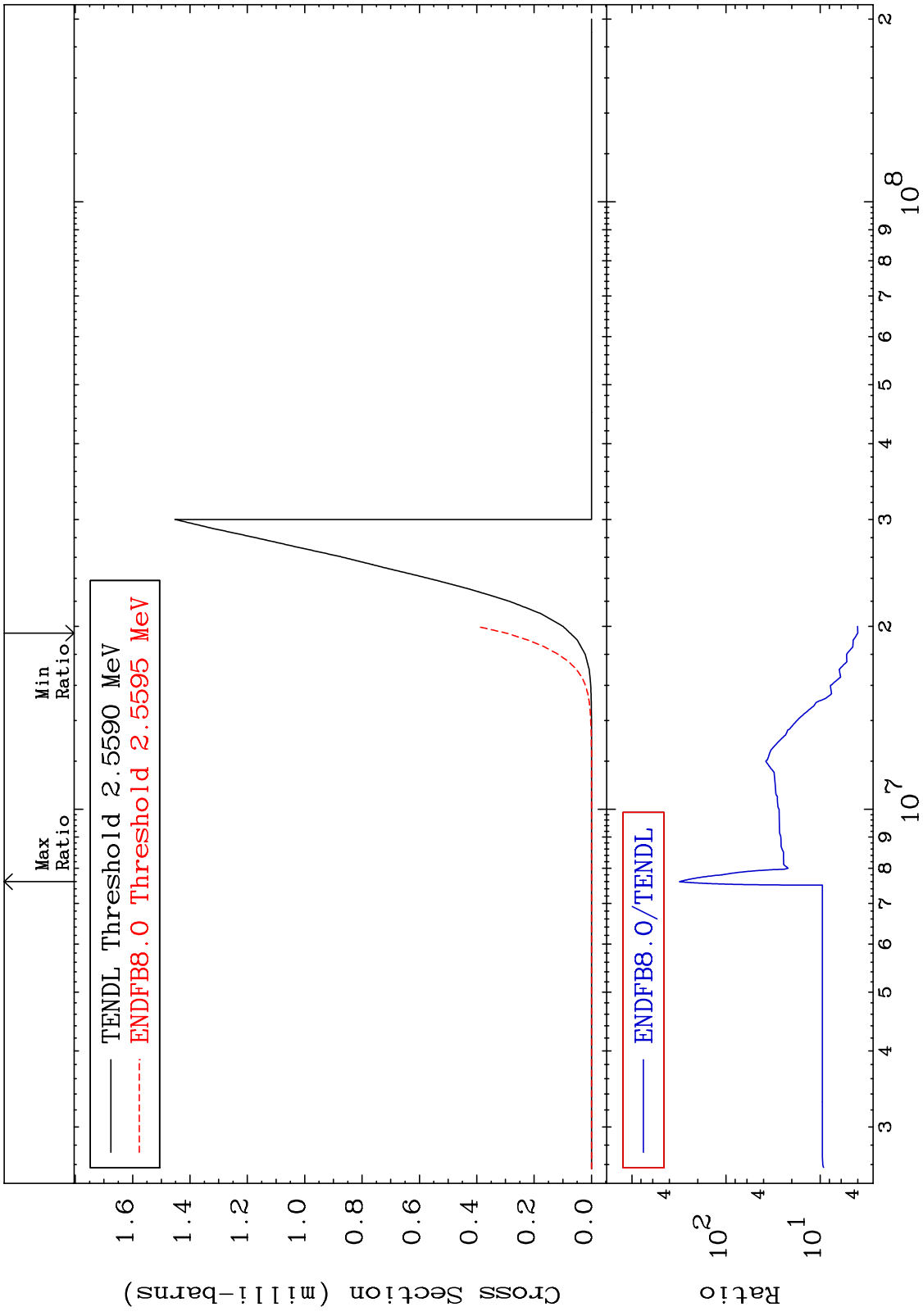
MAT 2828 (n,t) 28-Ni-59
 Cross Section -71.34 To 3307. %



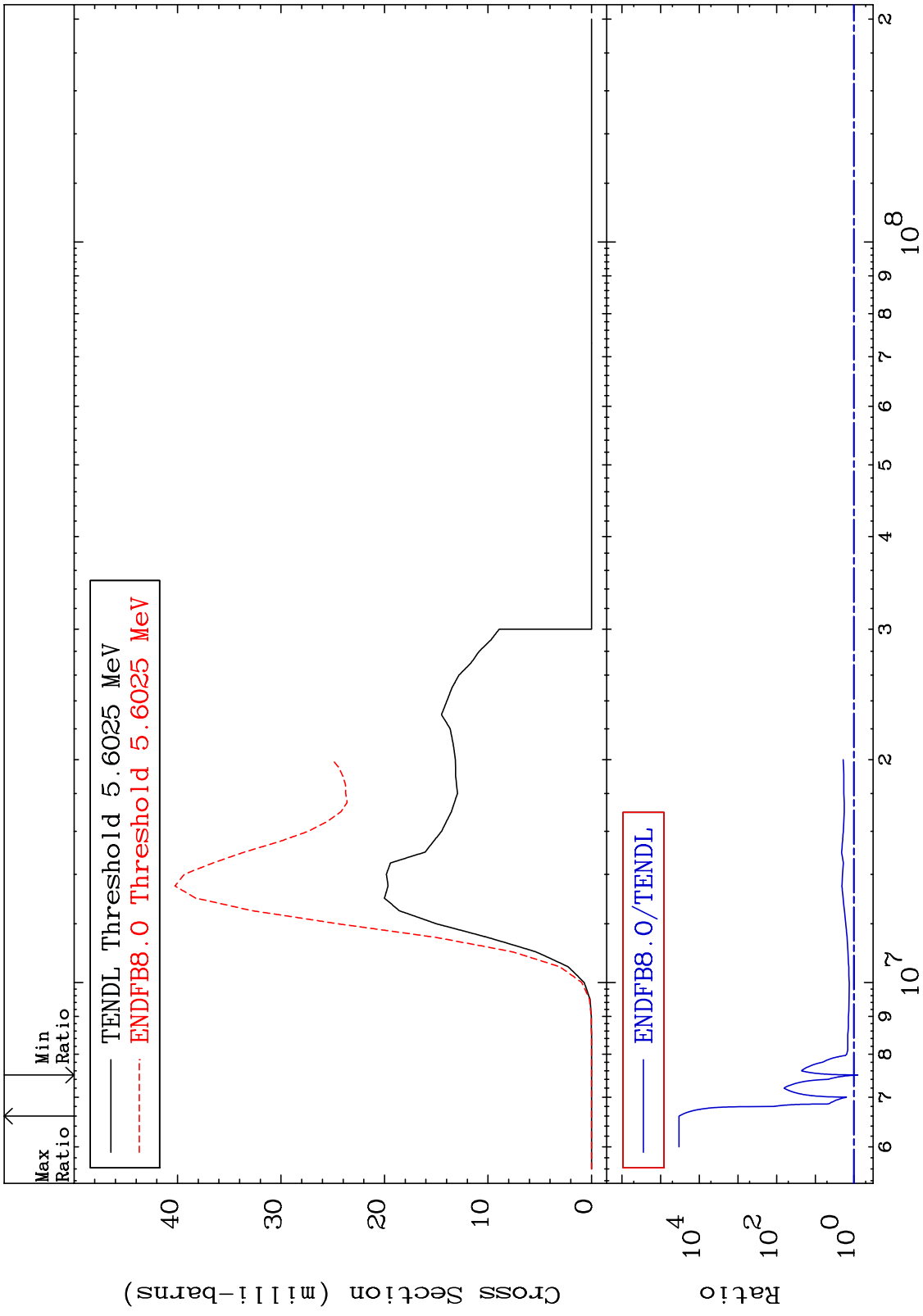


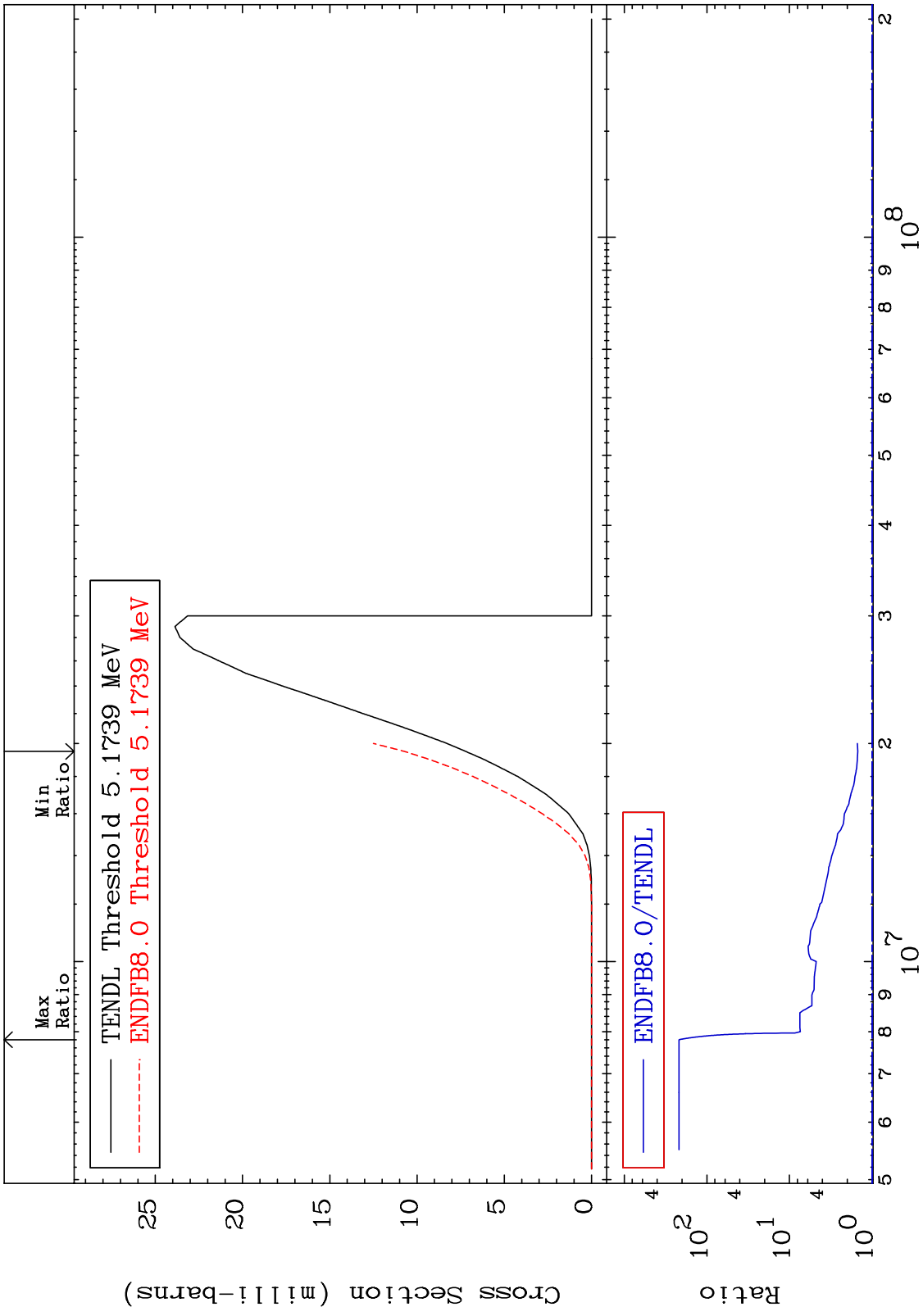


MAT 2828 (n,2α) 28-Ni-59 298.7 To 9999. %



MAT 2828 (n,2p) Cross Section 28-Ni-59 -20.72 To 9999. %

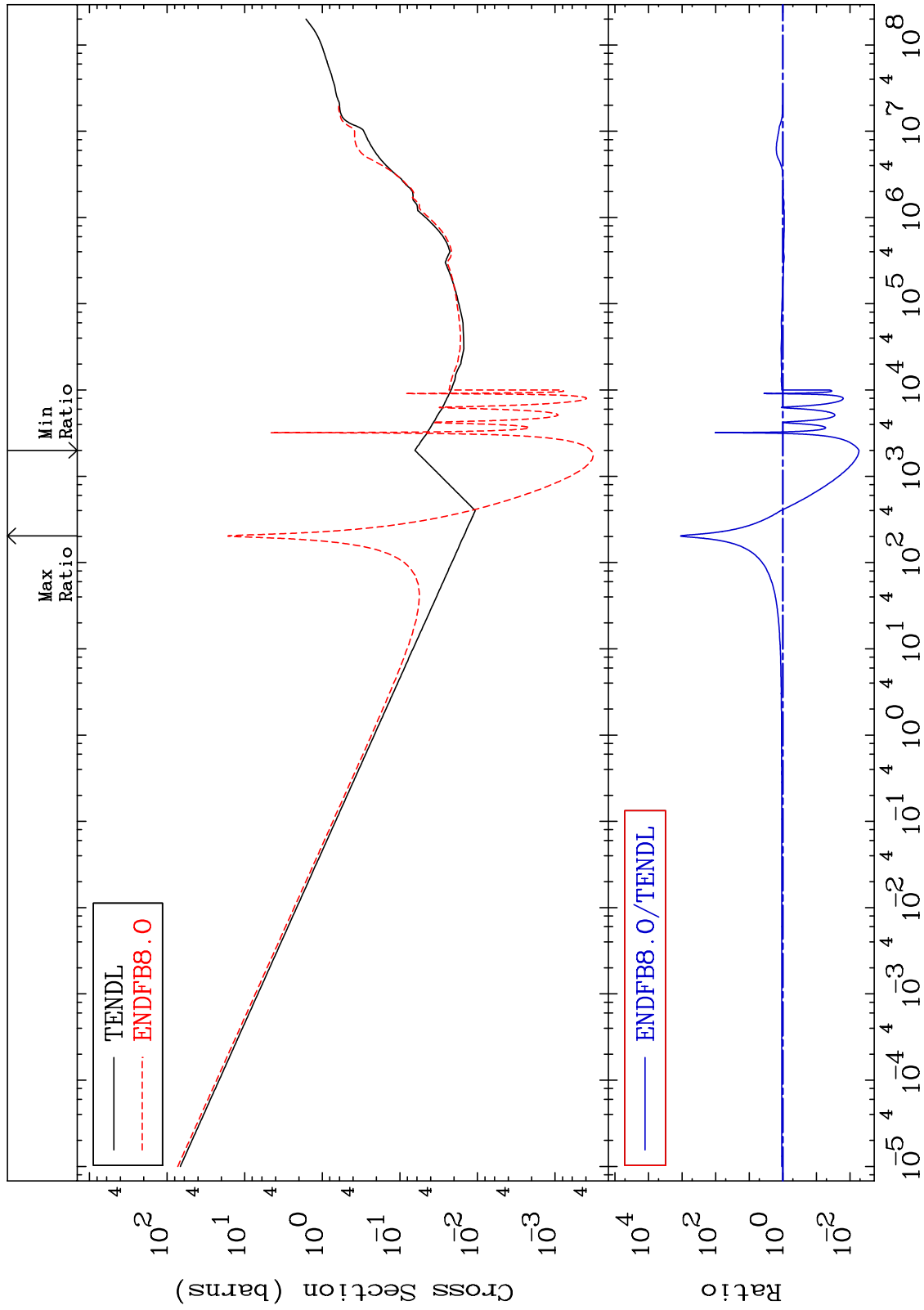




MAT 2828

Hydrogen Production
Cross Section

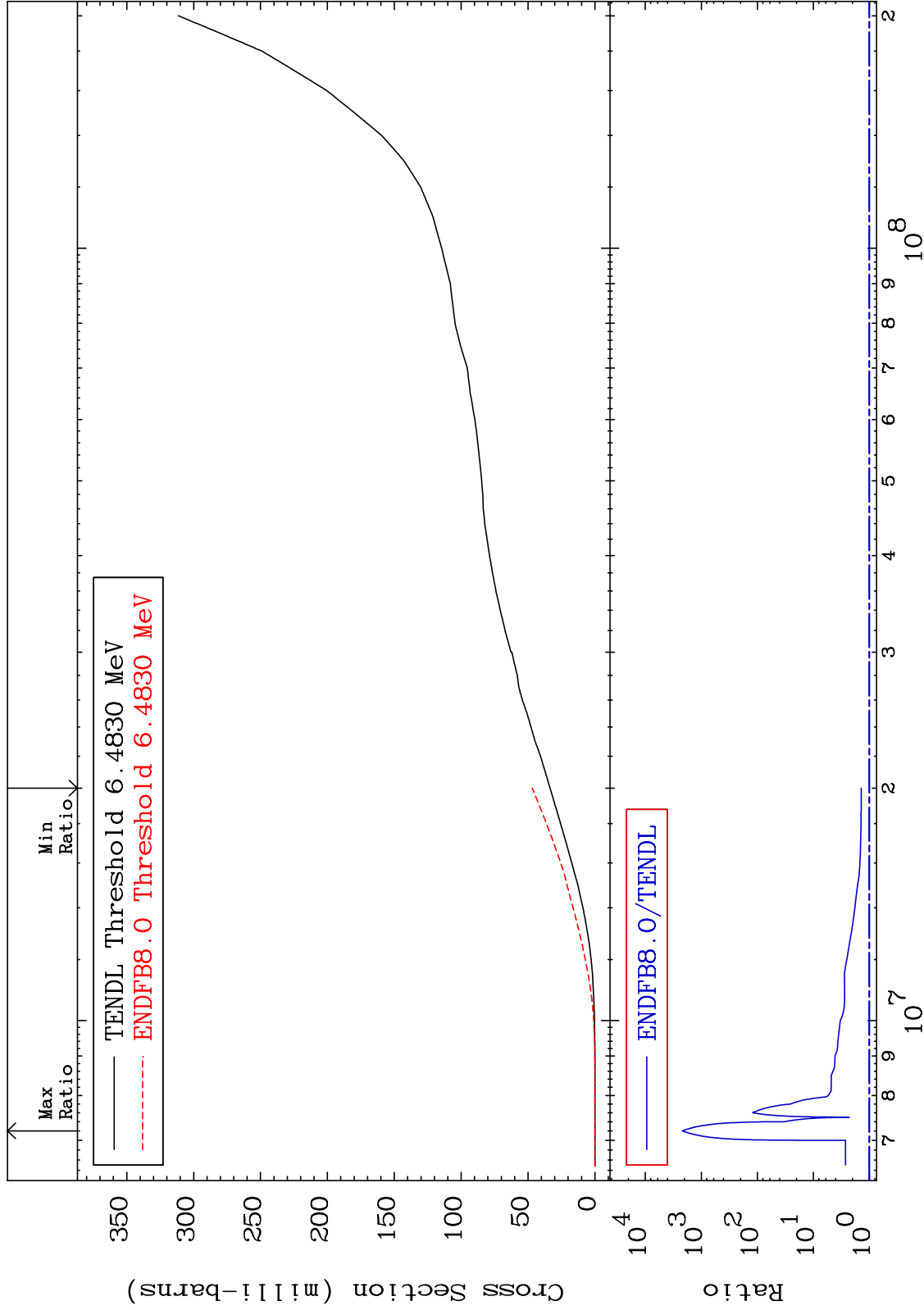
28-Ni-59
-99.46 To 9999. %



MAT 2828

Deuterium Production
Cross Section

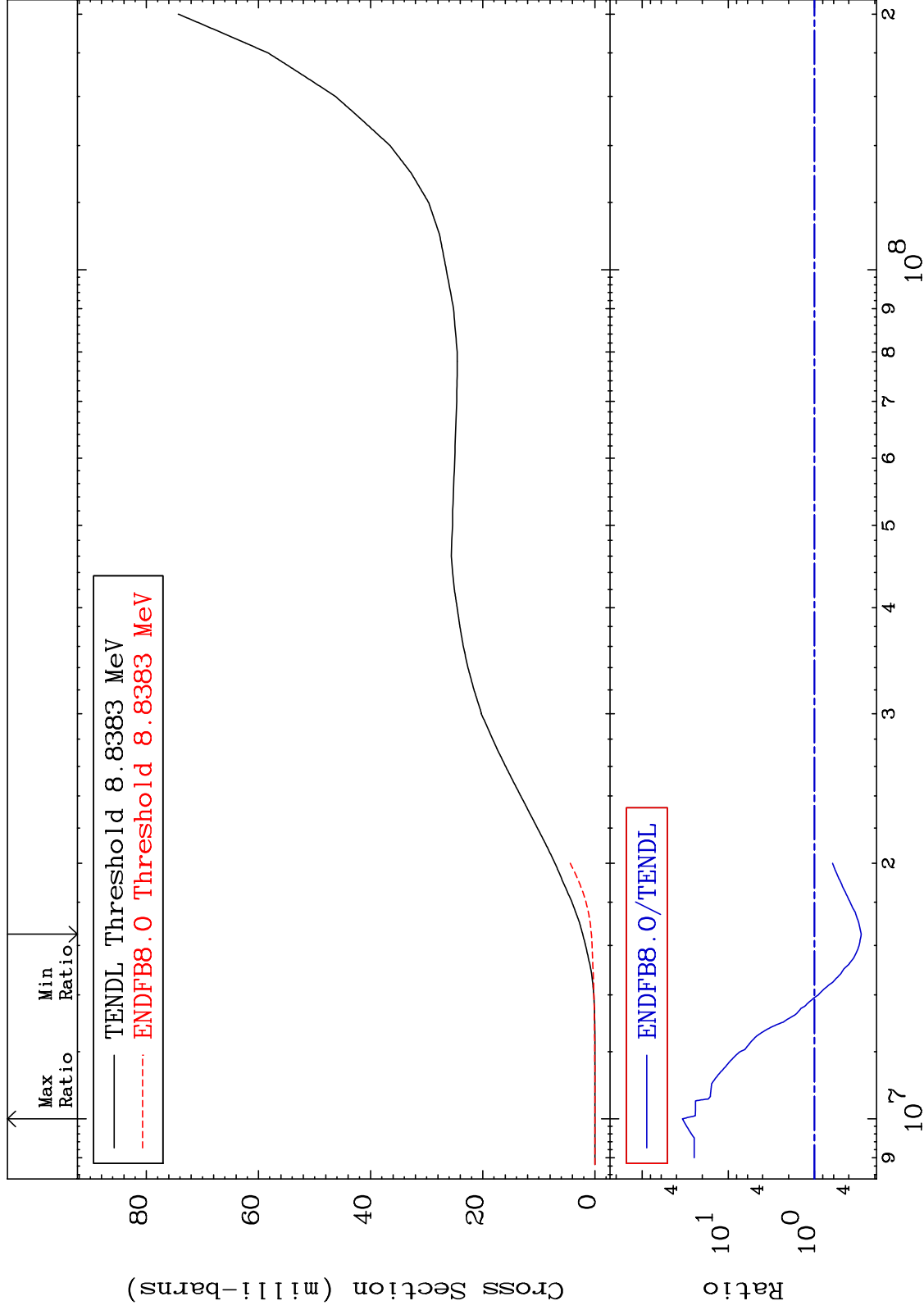
28-Ni-59
39.57 To 9999. %



MAT 2828

Tritium Production
Cross Section

28-Ni-59
-71.34 To 3307. %

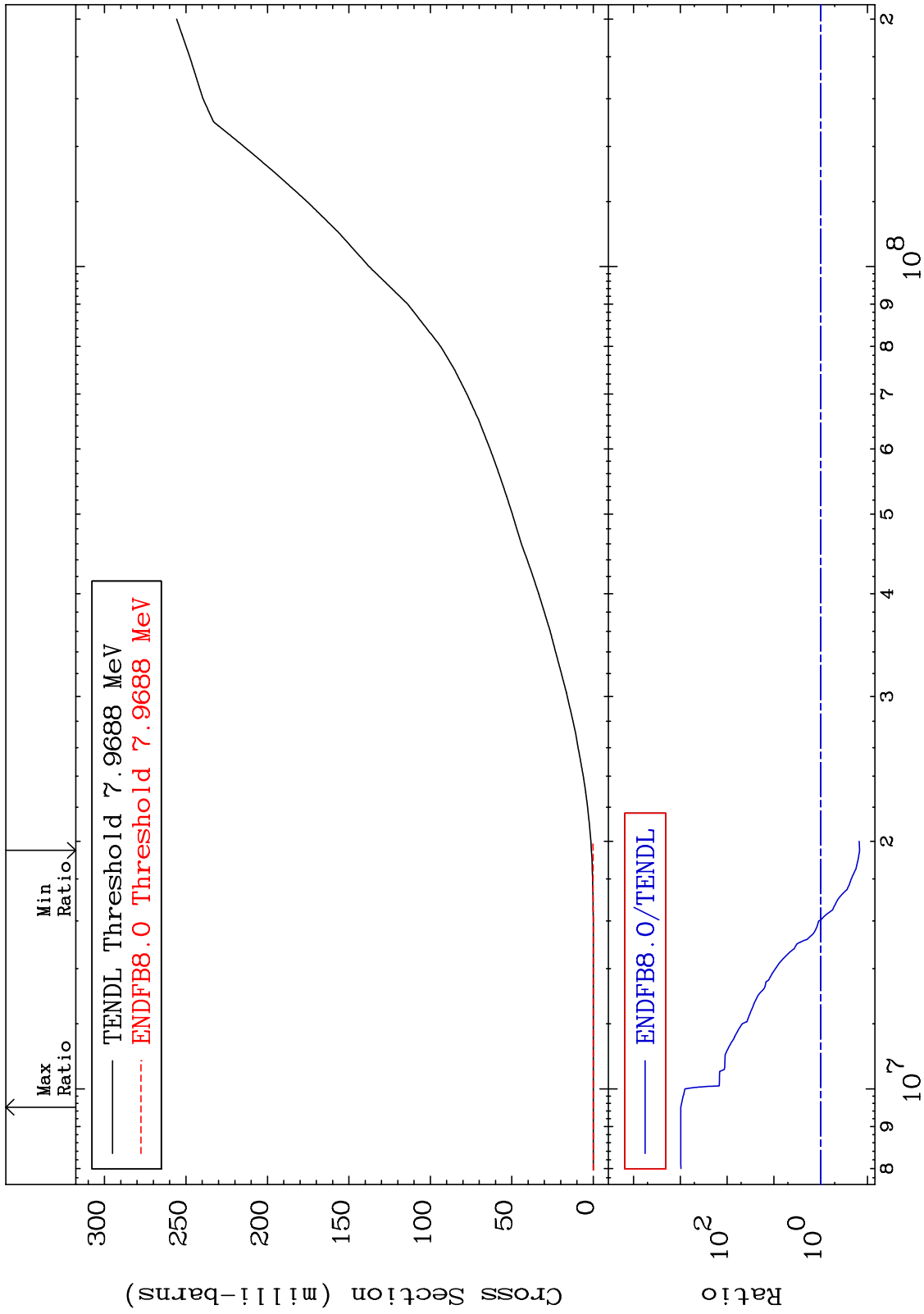


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Incident Energy (eV)

28-Ni-59

MAT 2828 He-3 Production Cross Section -85.38 To 9999. % 28-Ni-59

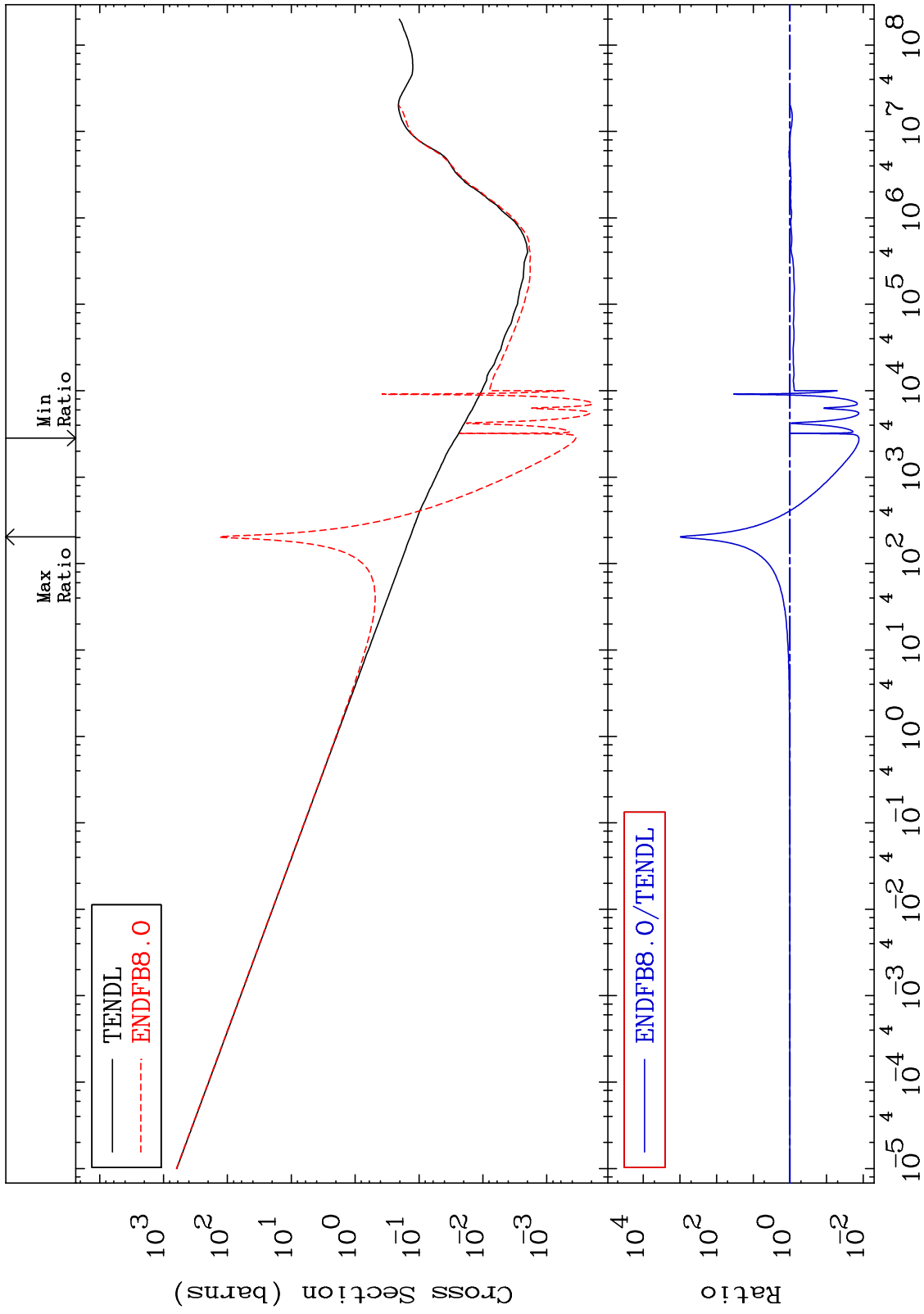


51 28-Ni-59

MAT 2828

He-4 Production
Cross Section

28-Ni-59
-98.69 To 9999. %

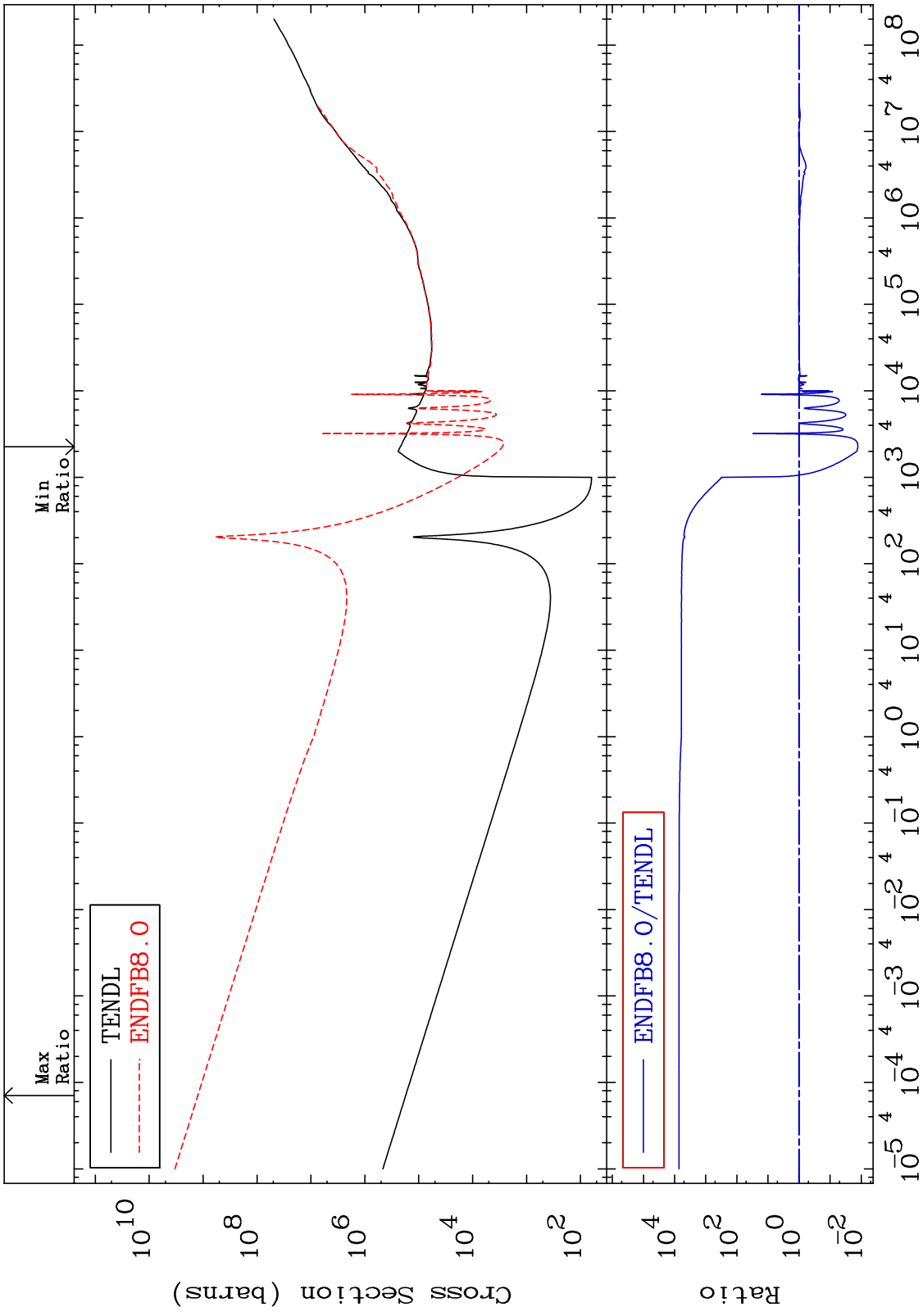


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Incident Energy (eV)

28-Ni-59

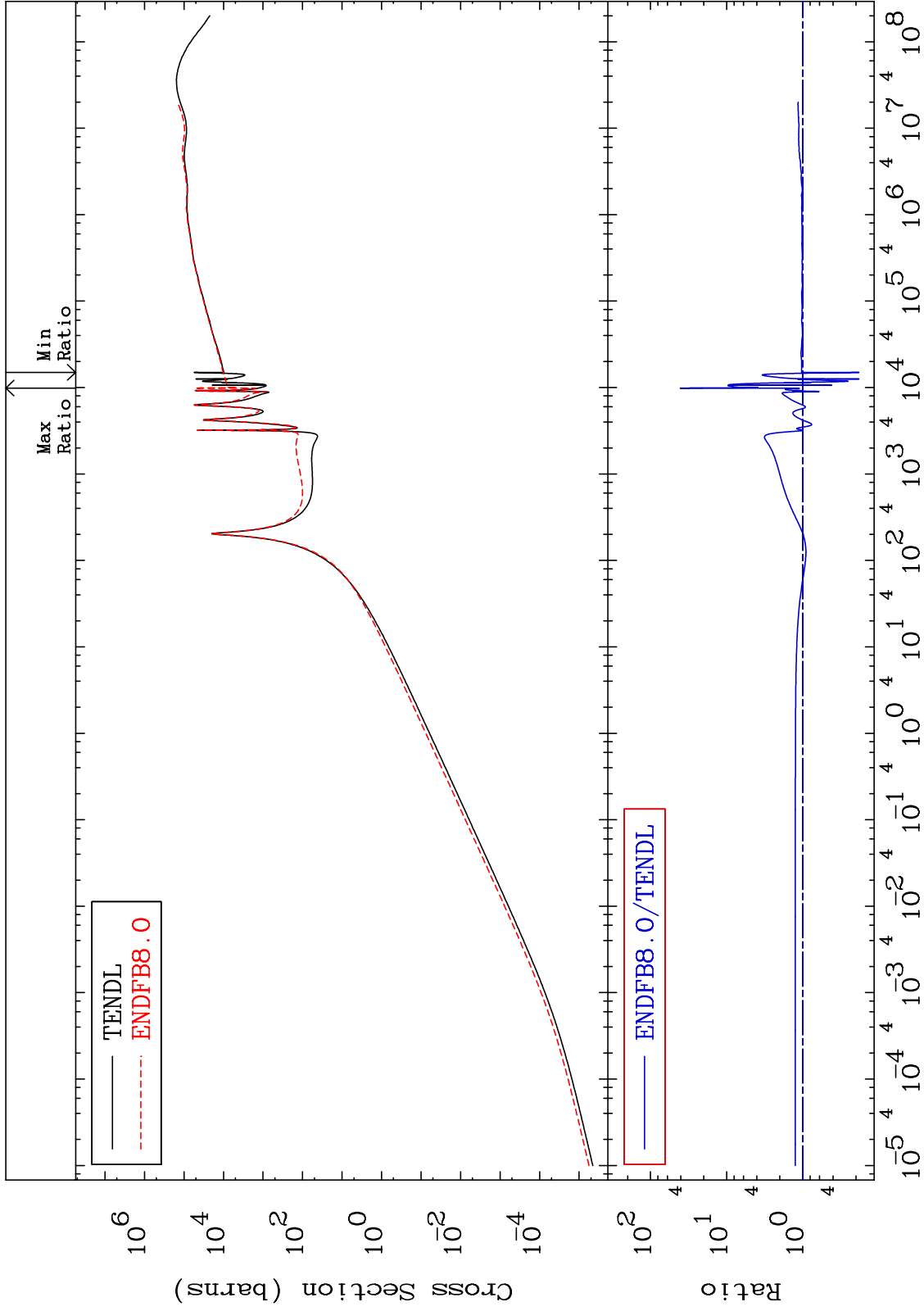
MAT 2828 Kerma total (eV-barns) 28-Ni-59
 Cross Section -98.72 To 9999. %



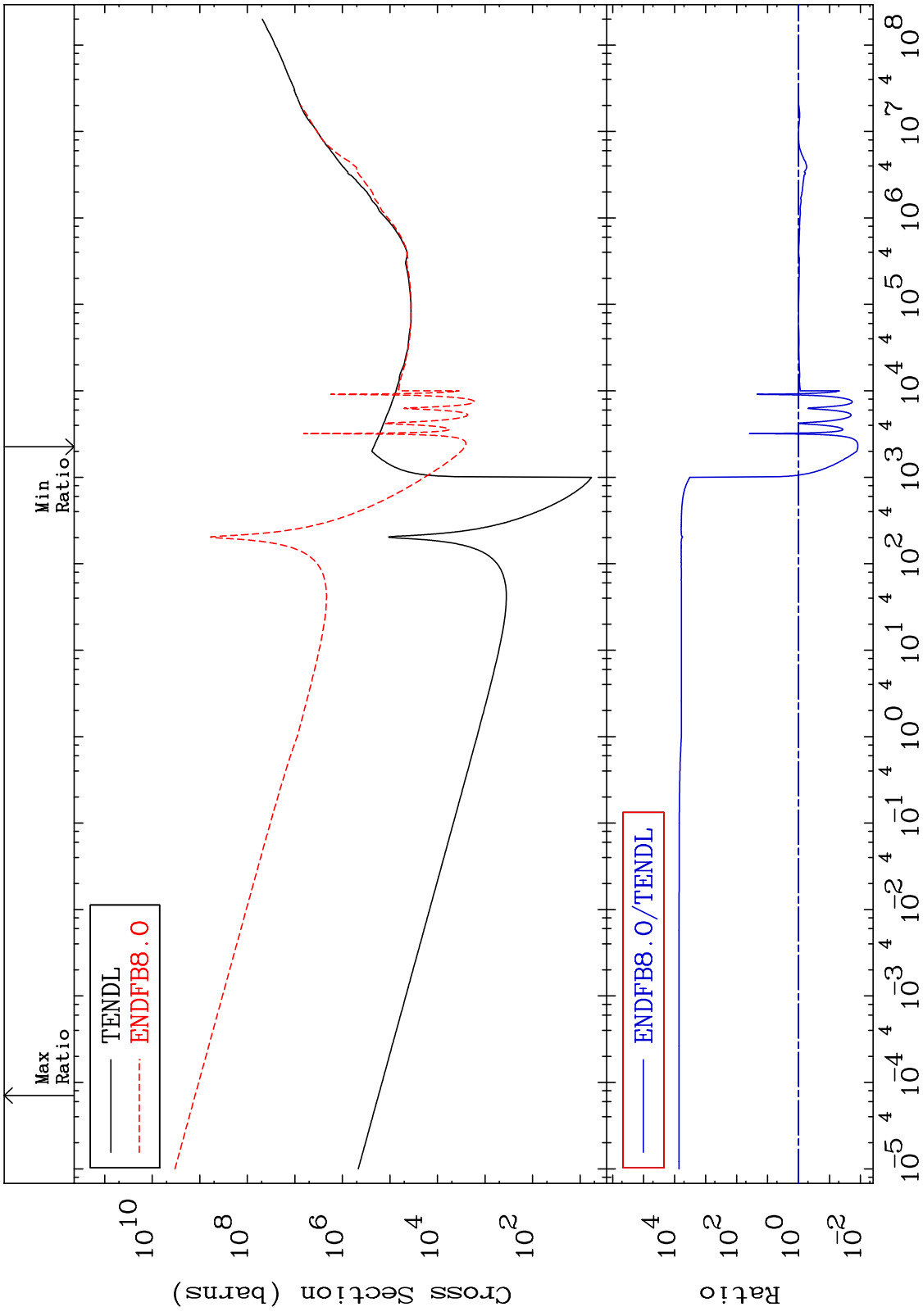
MAT 2828

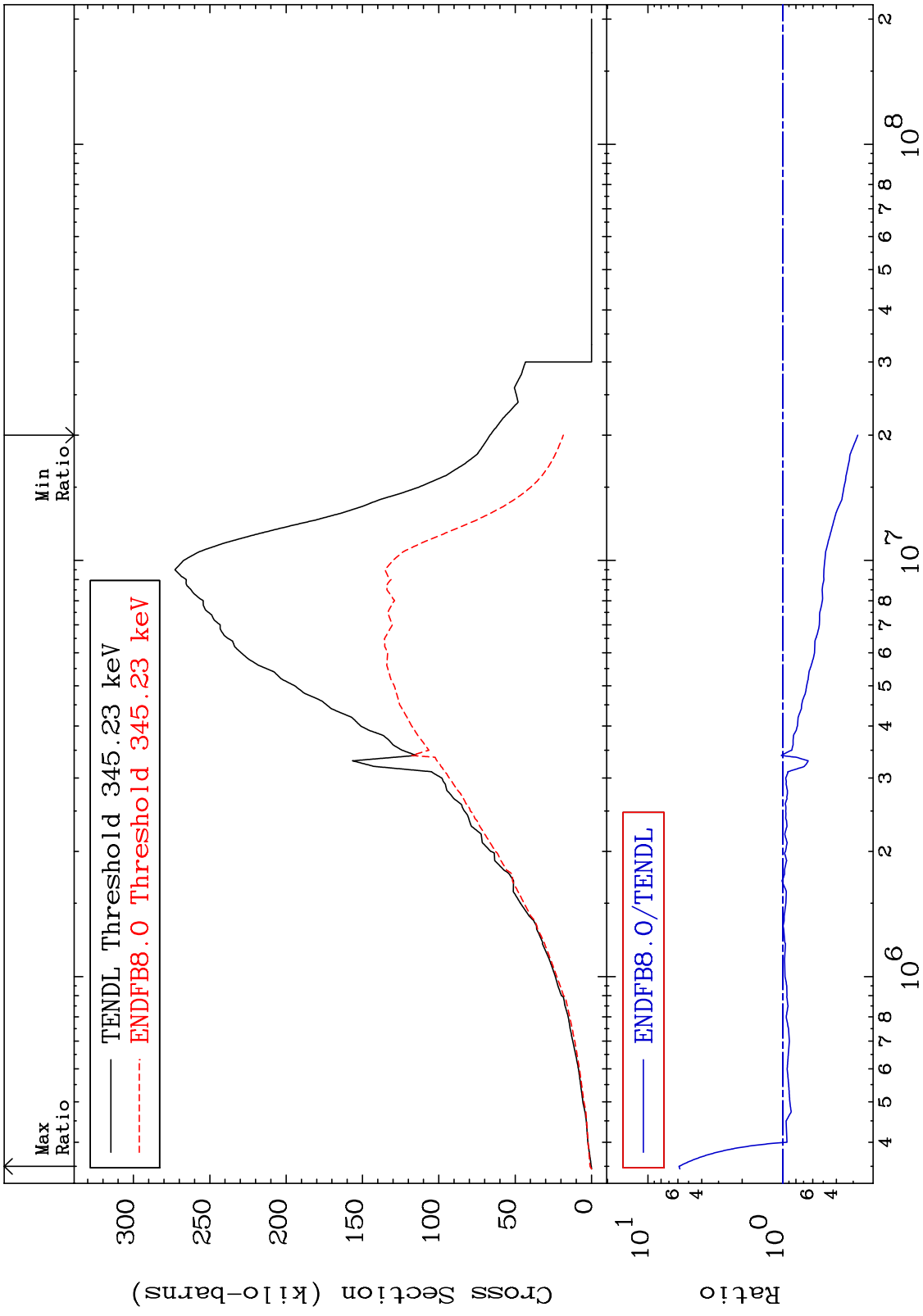
Kerma elastic
Cross Section

28-Ni-59
-81.72 To 3974. %



MAT 2828 Kerma non-elastic (all but mt2) 28-Ni-59
 Cross Section -98.78 To 9999. %

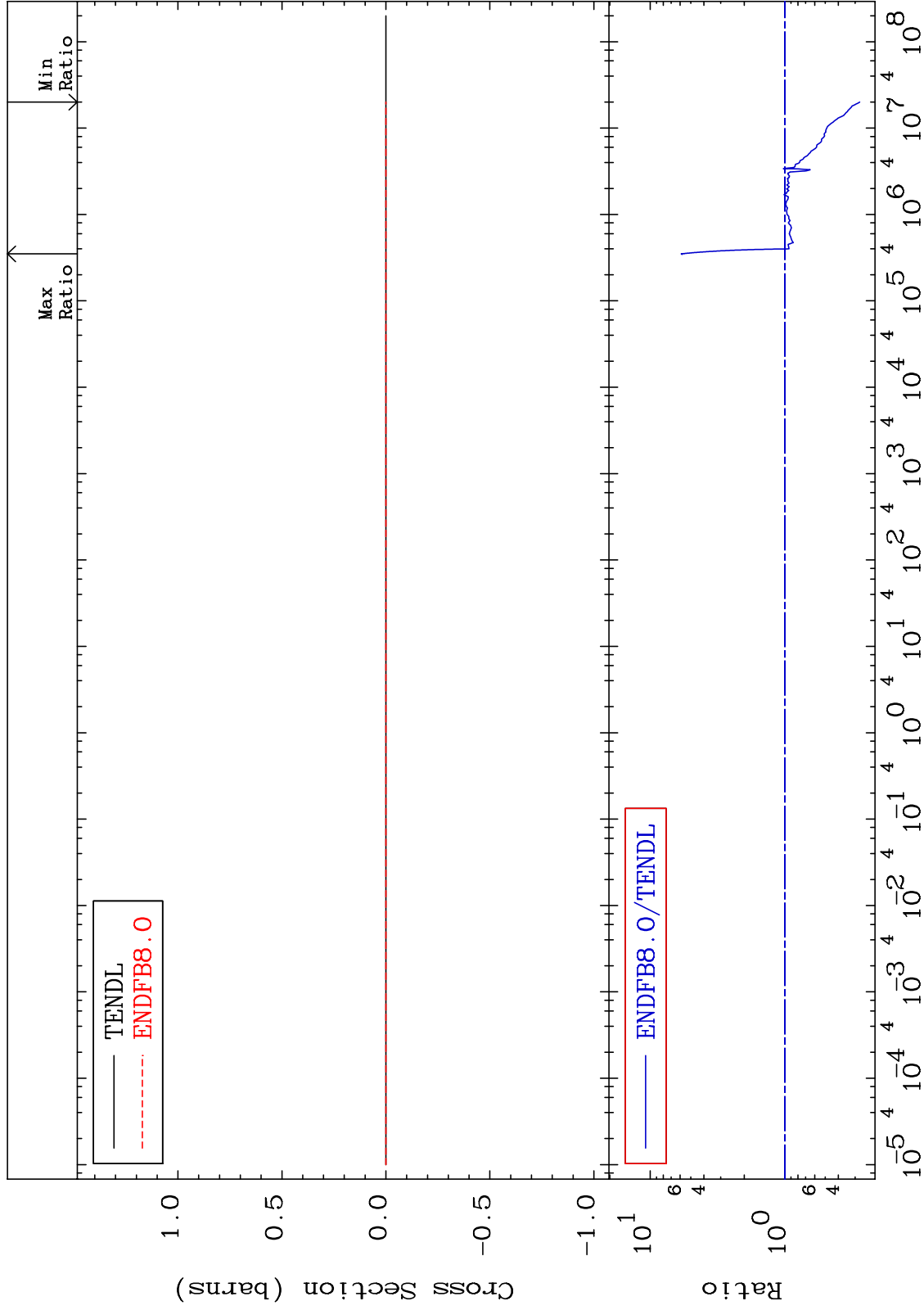




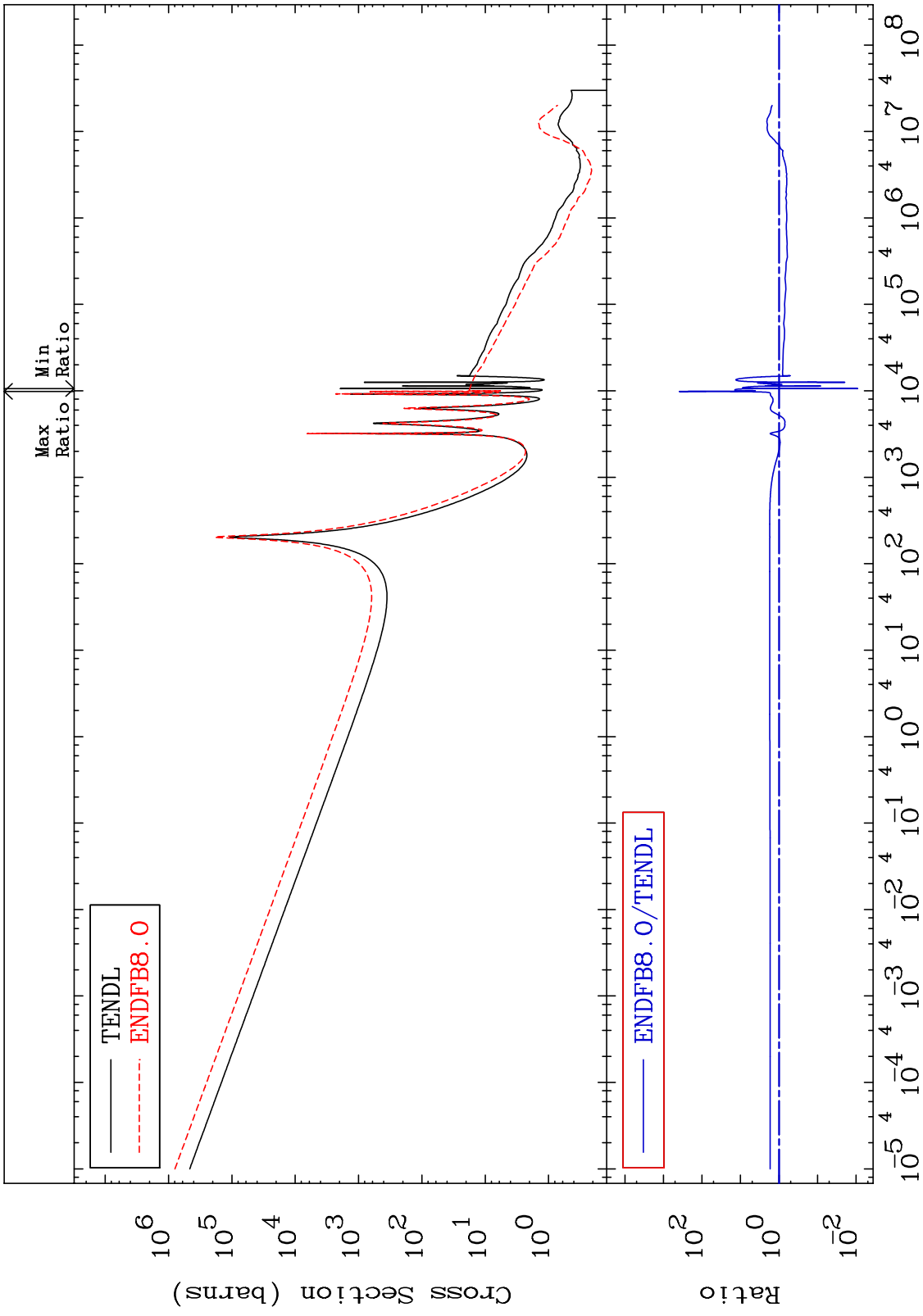
MAT 2828

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

28-Ni-59
-72.27 To 488.4 %



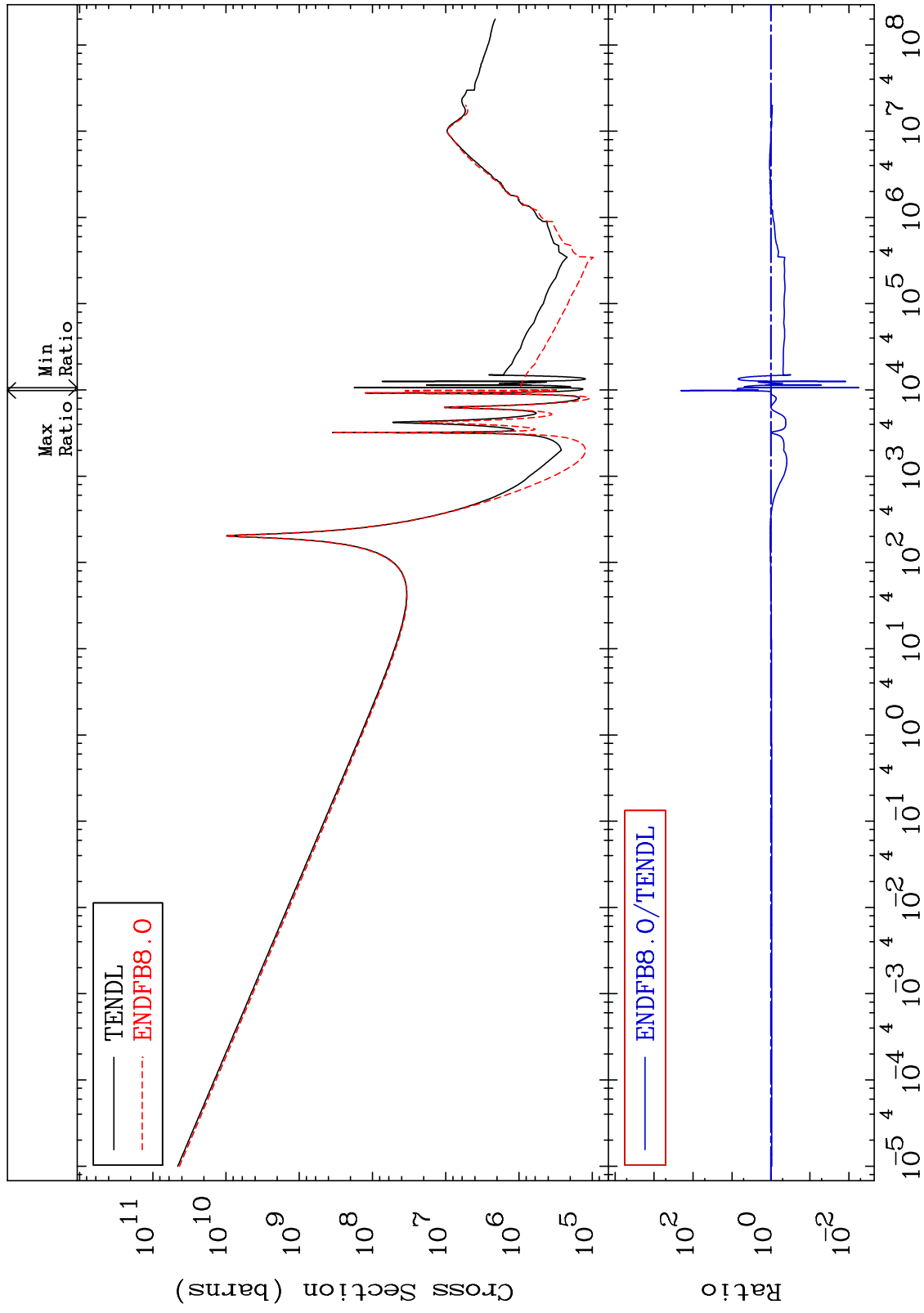
MAT 2828 Kerma capture (mt102) 28-Ni-59
 Cross Section -99.10 To 9999. %



MAT 2828

Total photon (eV-barns)
Cross Section

28-Ni-59
-99.45 To 9999. %

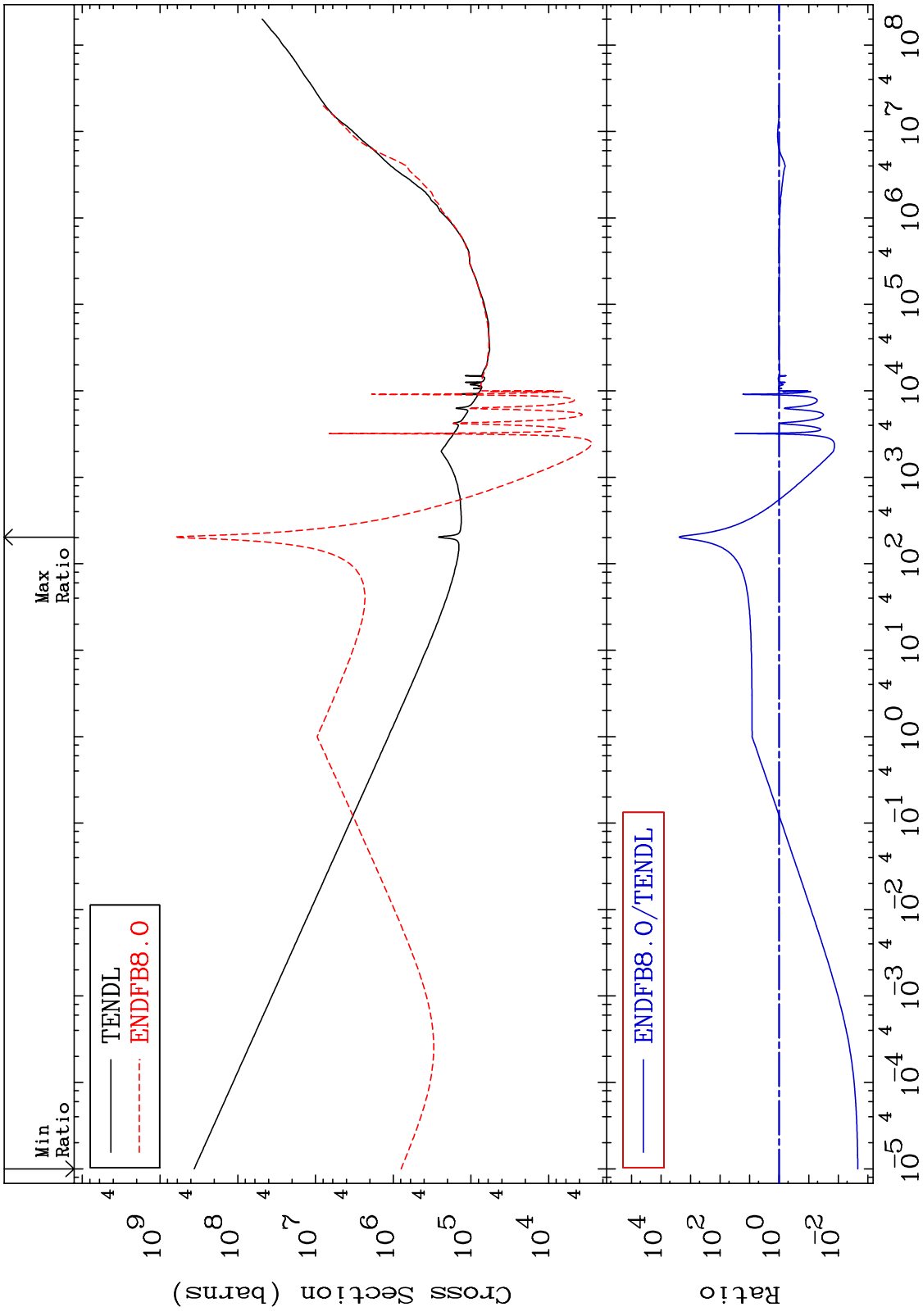


59

Incident Energy (eV)

28-Ni-59

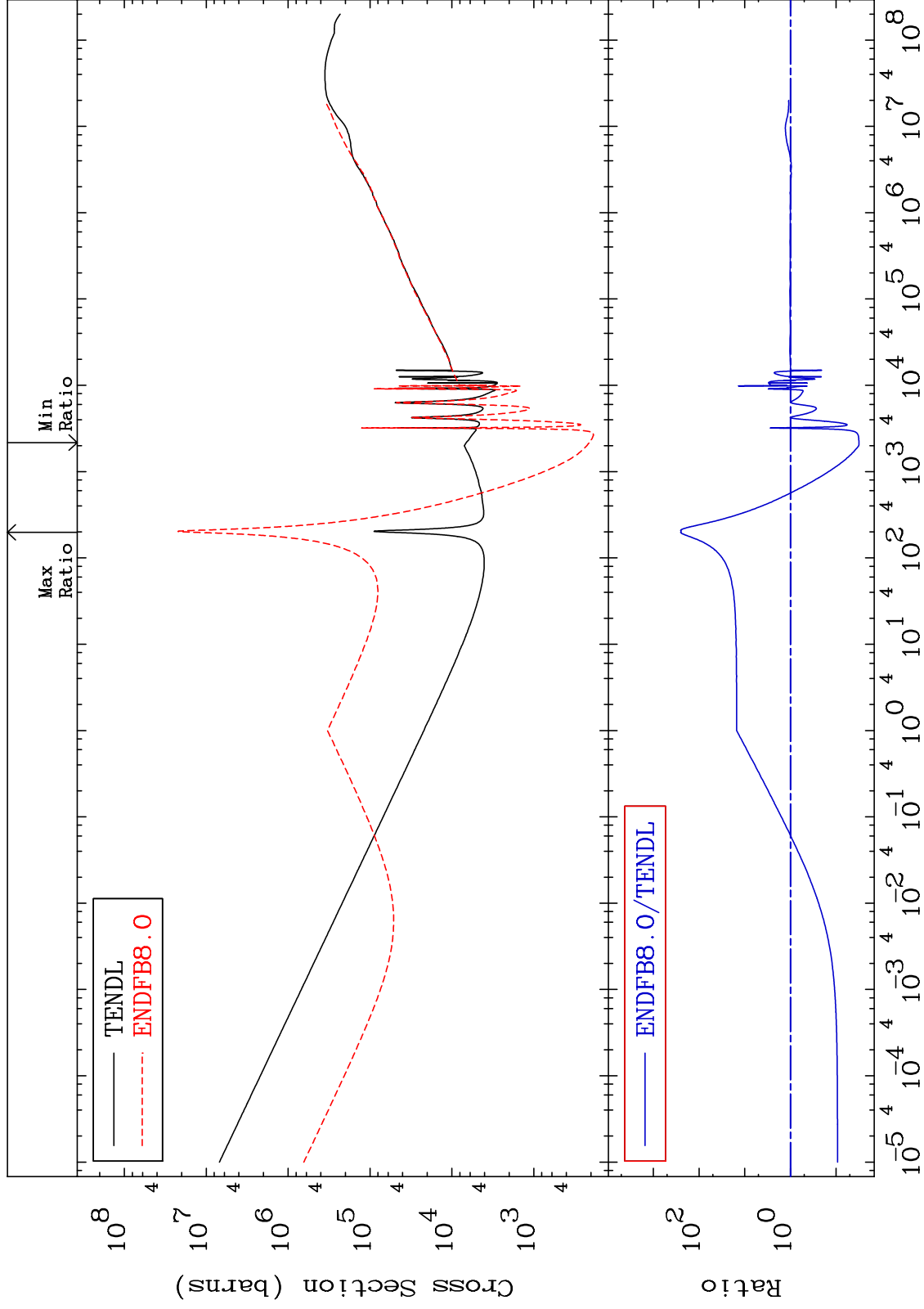
MAT 2828 Total kinematic kerma (high limit) 28-Ni-59
 -99.78 To 9999. %
 Cross Section



MAT 2828

Dpa total (eV-barns)
Cross Section

28-Ni-59
-96.84 To 9999. %



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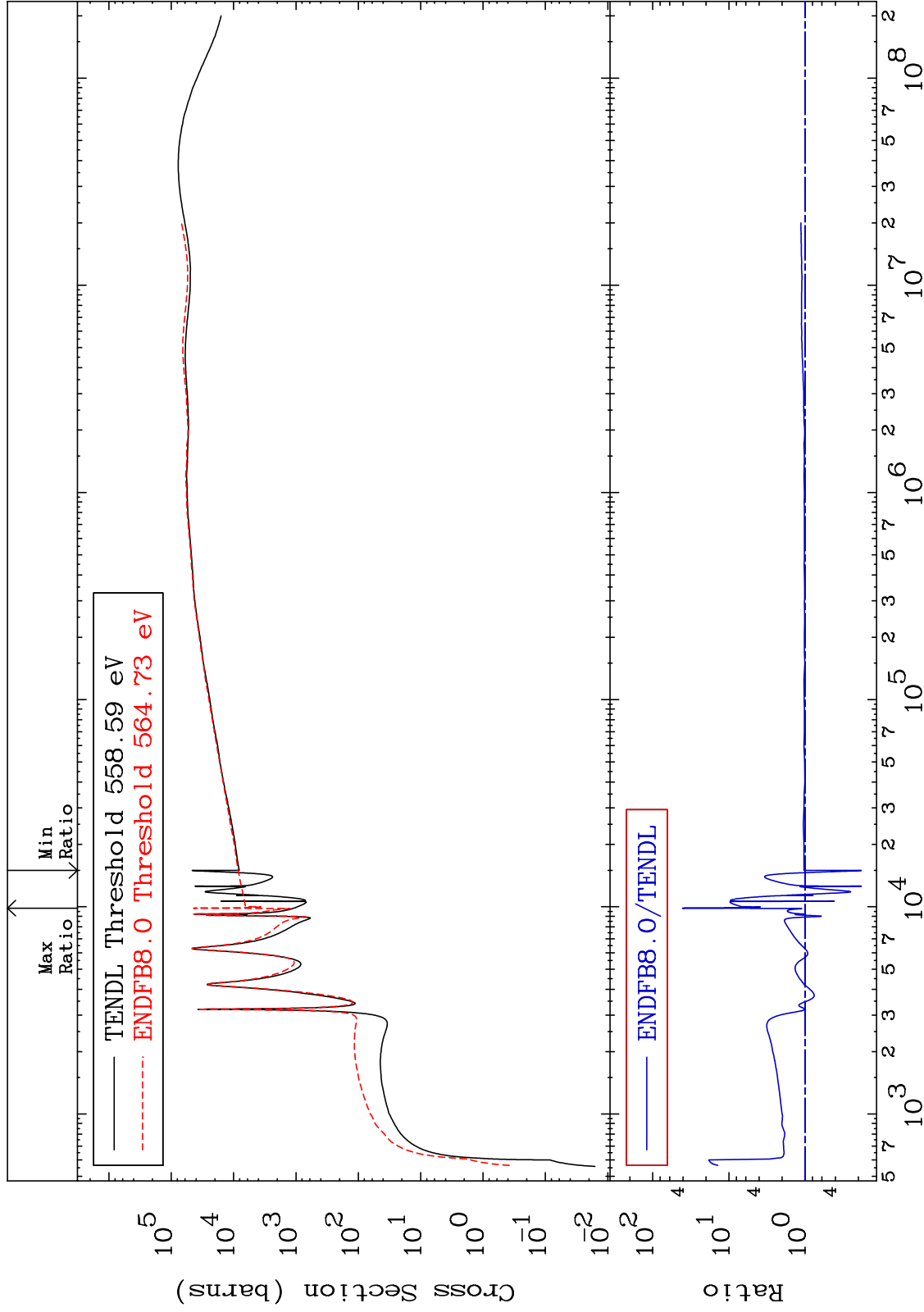
Incident Energy (eV)

28-Ni-59

MAT 2828

Dpa elastic (mt2)
Cross Section

28-Ni-59
-81.72 To 3974. %



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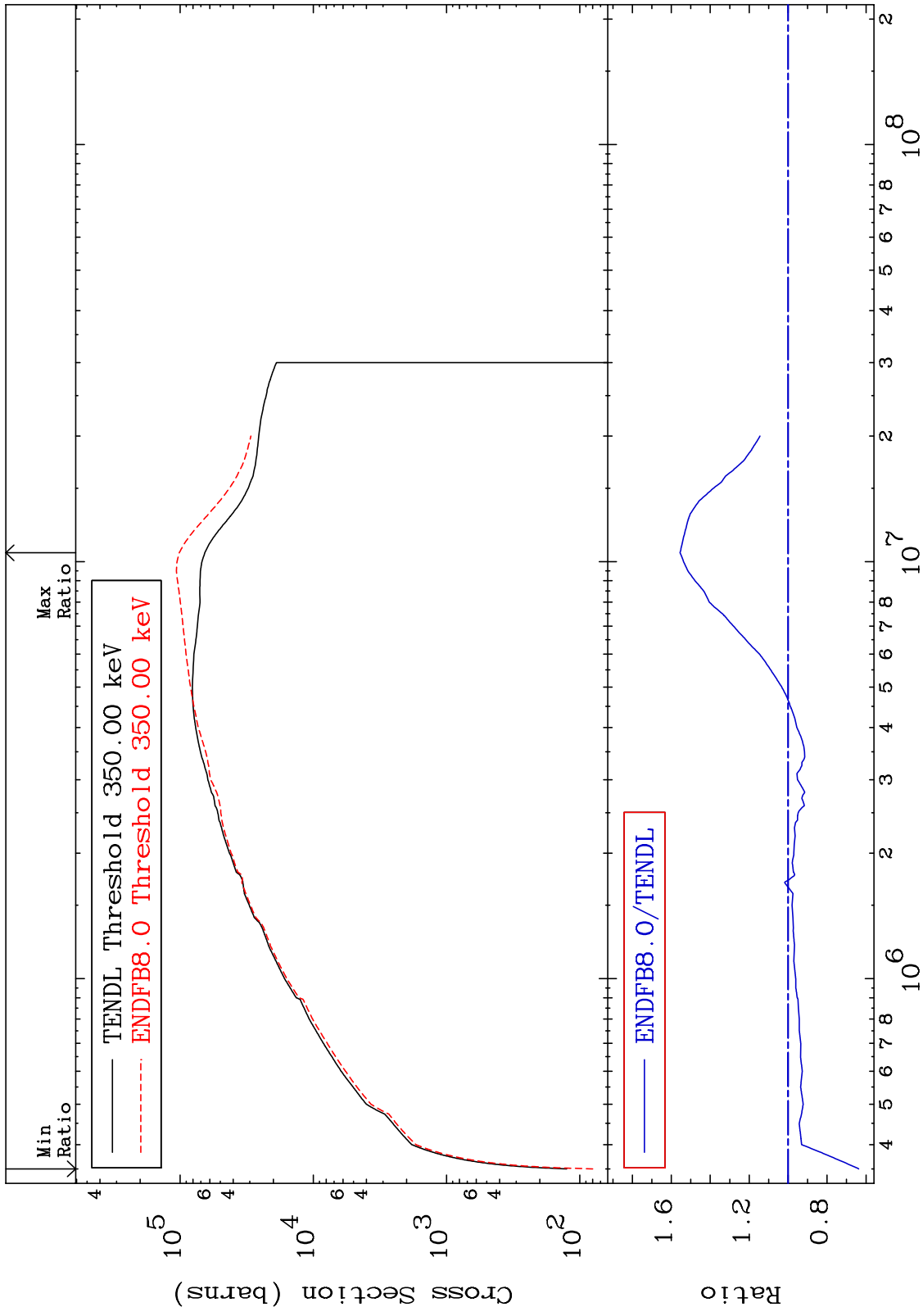
Incident Energy (eV)

28-Ni-59

MAT 2828

Dpa inelastic (mt51-91)
Cross Section

28-Ni-59
-36.26 To 55.49 %



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Incident Energy (eV)

28-Ni-59

MAT 2828 Dpa disappearance (mt102 -120) 28-Ni-59
 Cross Section -98.68 To 9999. %

