

Program Complot
(Version 2018-1)

by

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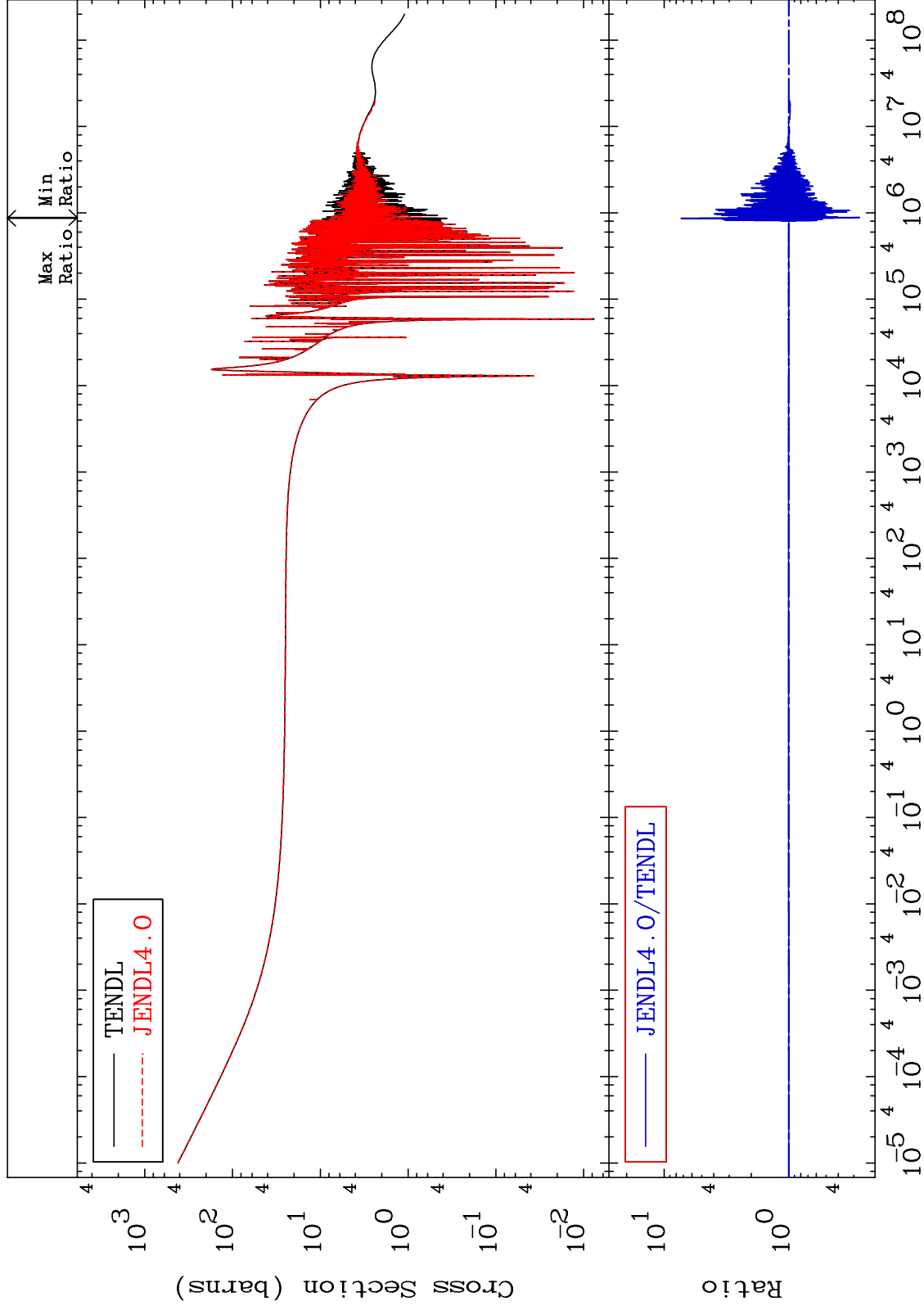
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2825

Total
Cross Section

28-Ni-58
-73.14 To 629.0 %



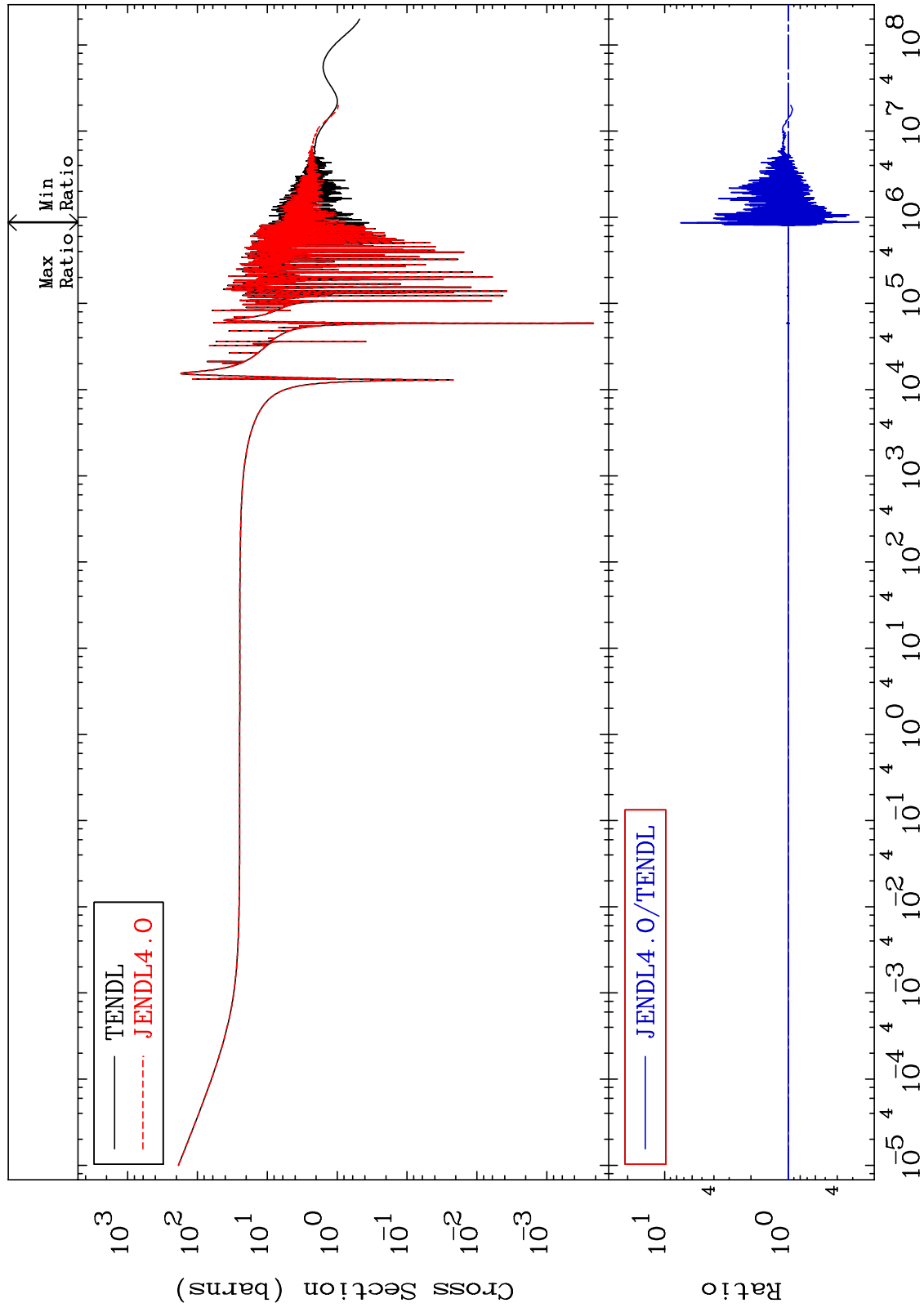
Incident Energy (eV)

28-Ni-58

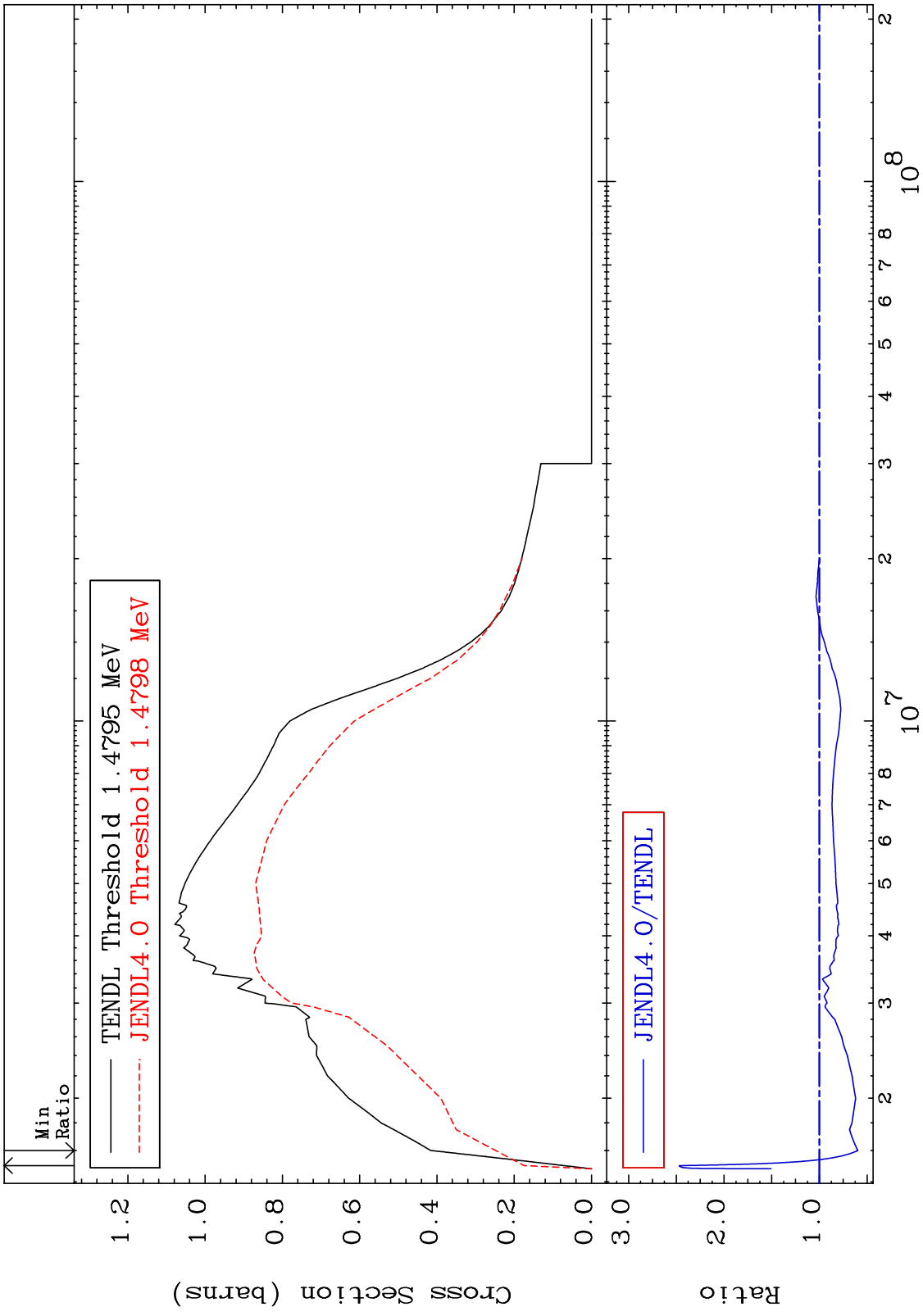
MAT 2825

Elastic
Cross Section

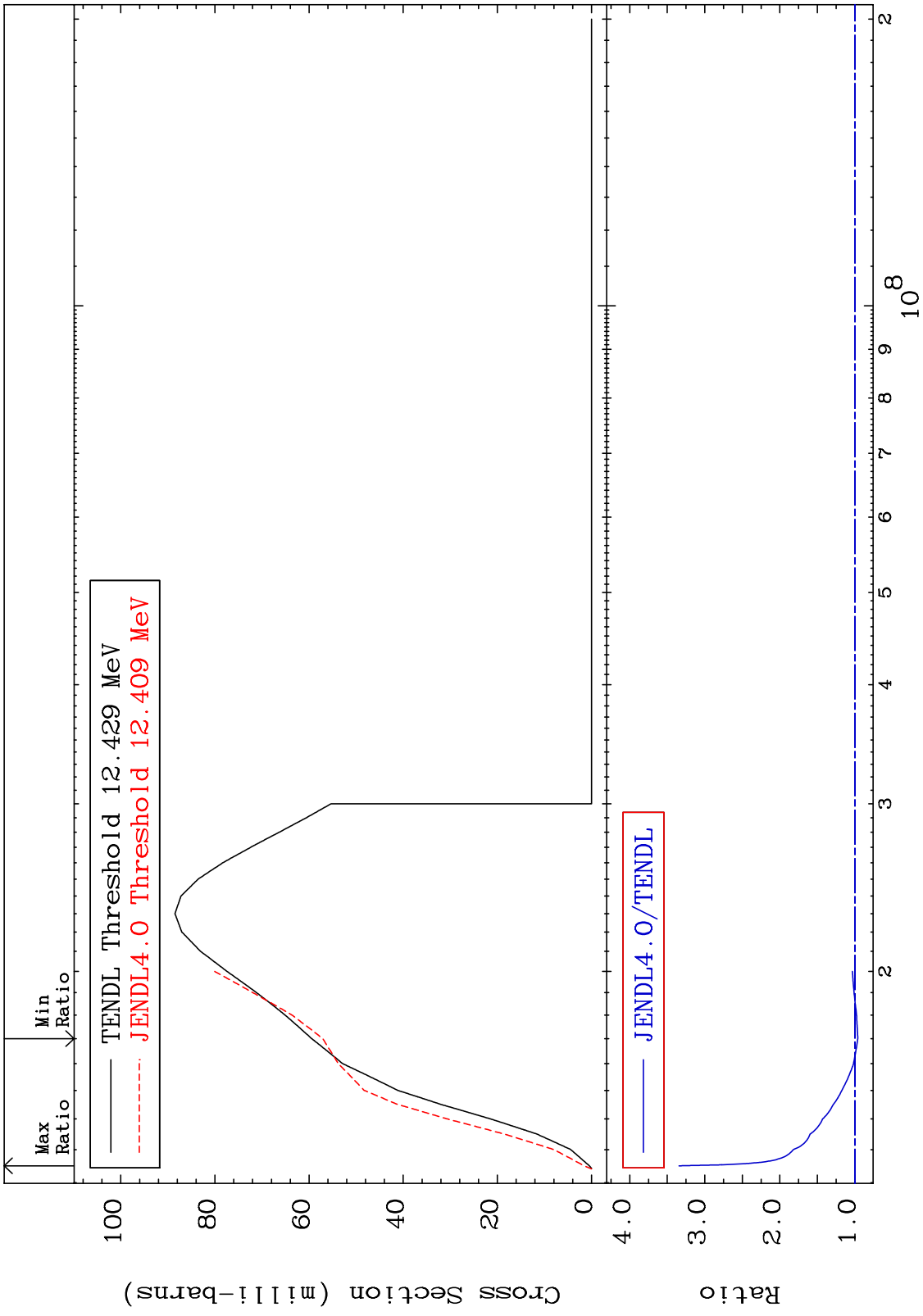
28-Ni-58
-73.38 To 640.0 %



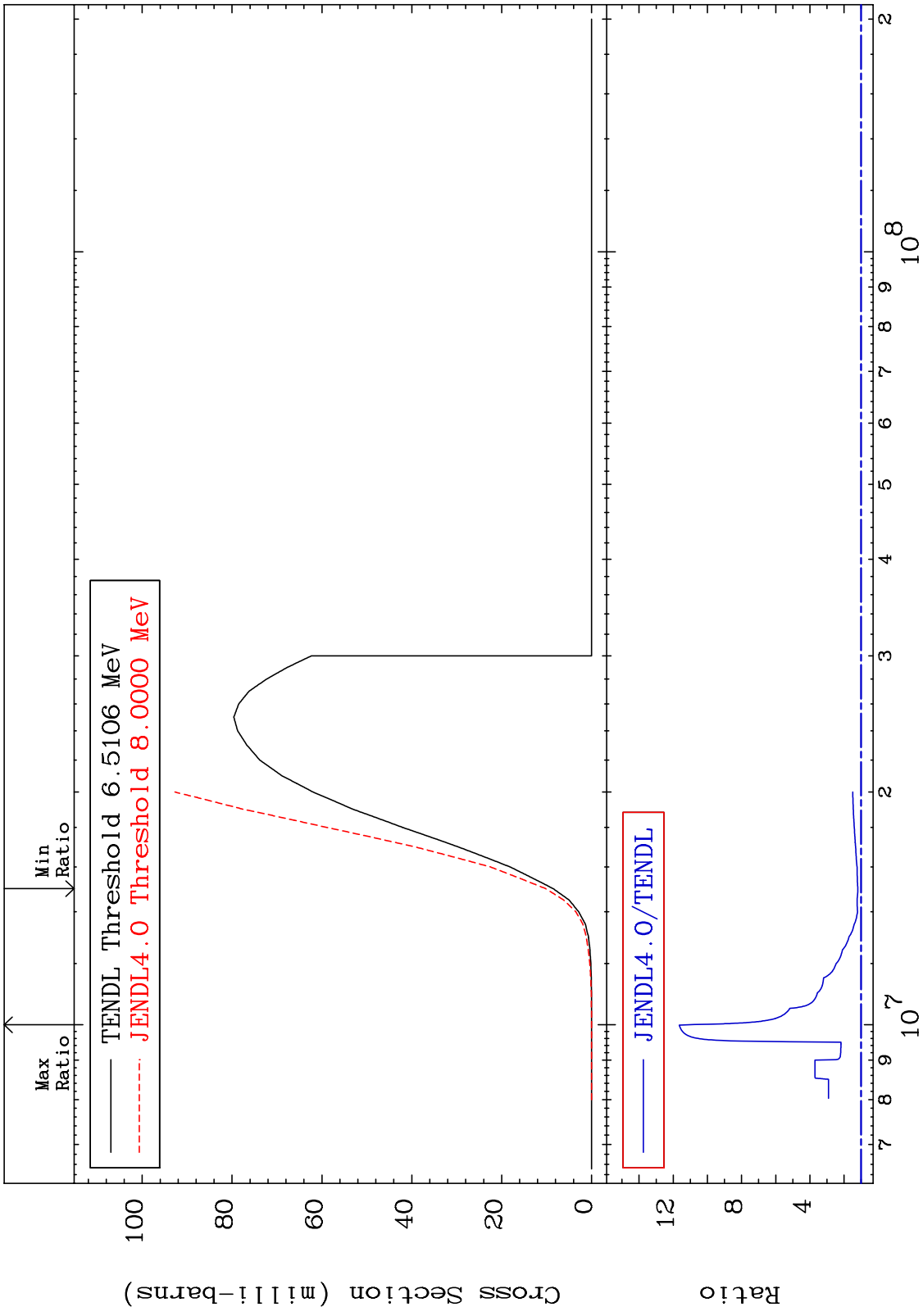
MAT 2825 Inelastic Cross Section 28-Ni-58 -40.30 To 147.2 %

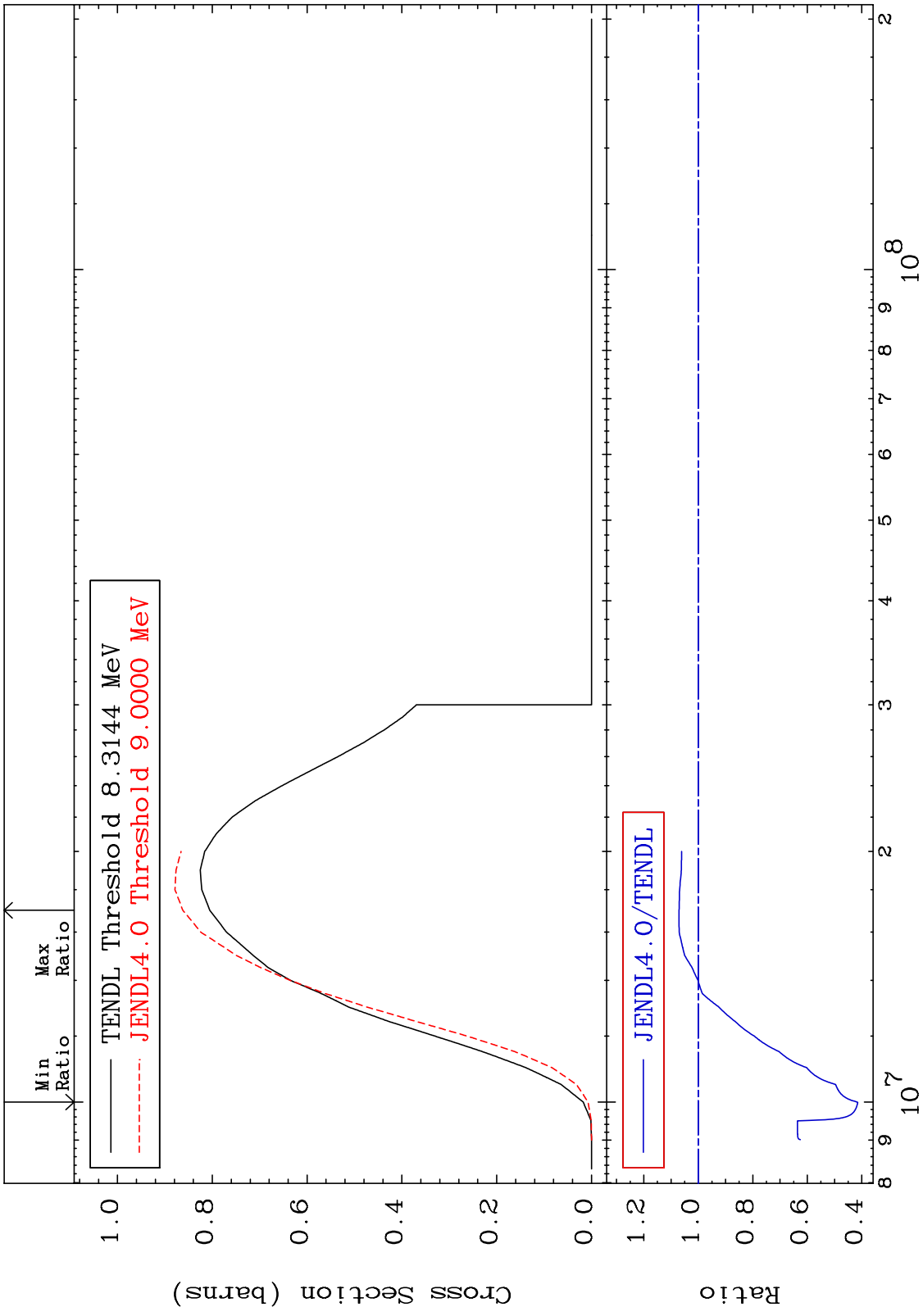


MAT 2825 (n,2n) Cross Section 28-Ni-58 -3.947 To 234.3 %

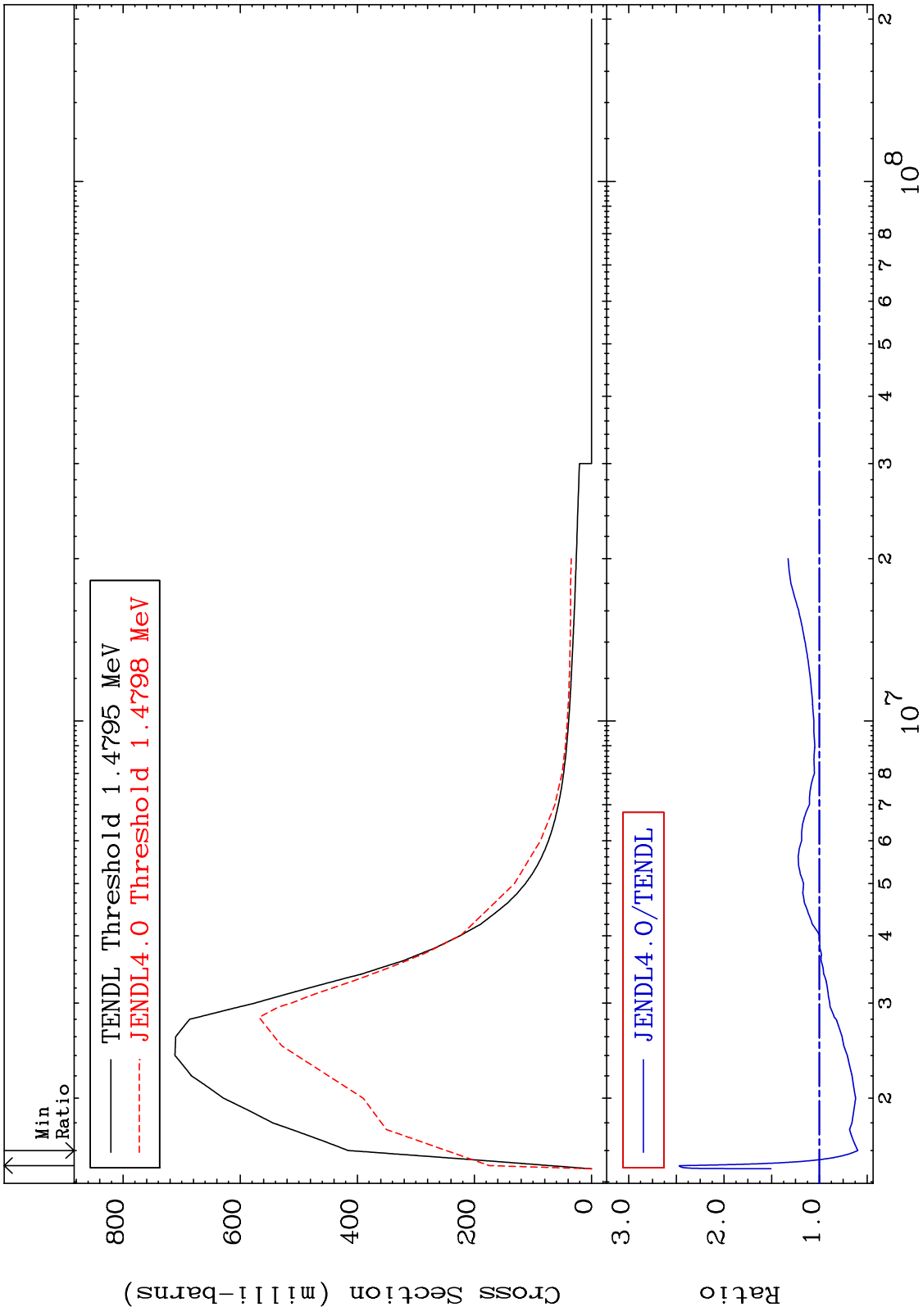


MAT 2825 $(n, n') \alpha$ 28-Ni-58
 Cross Section 19.43 To 1066. %

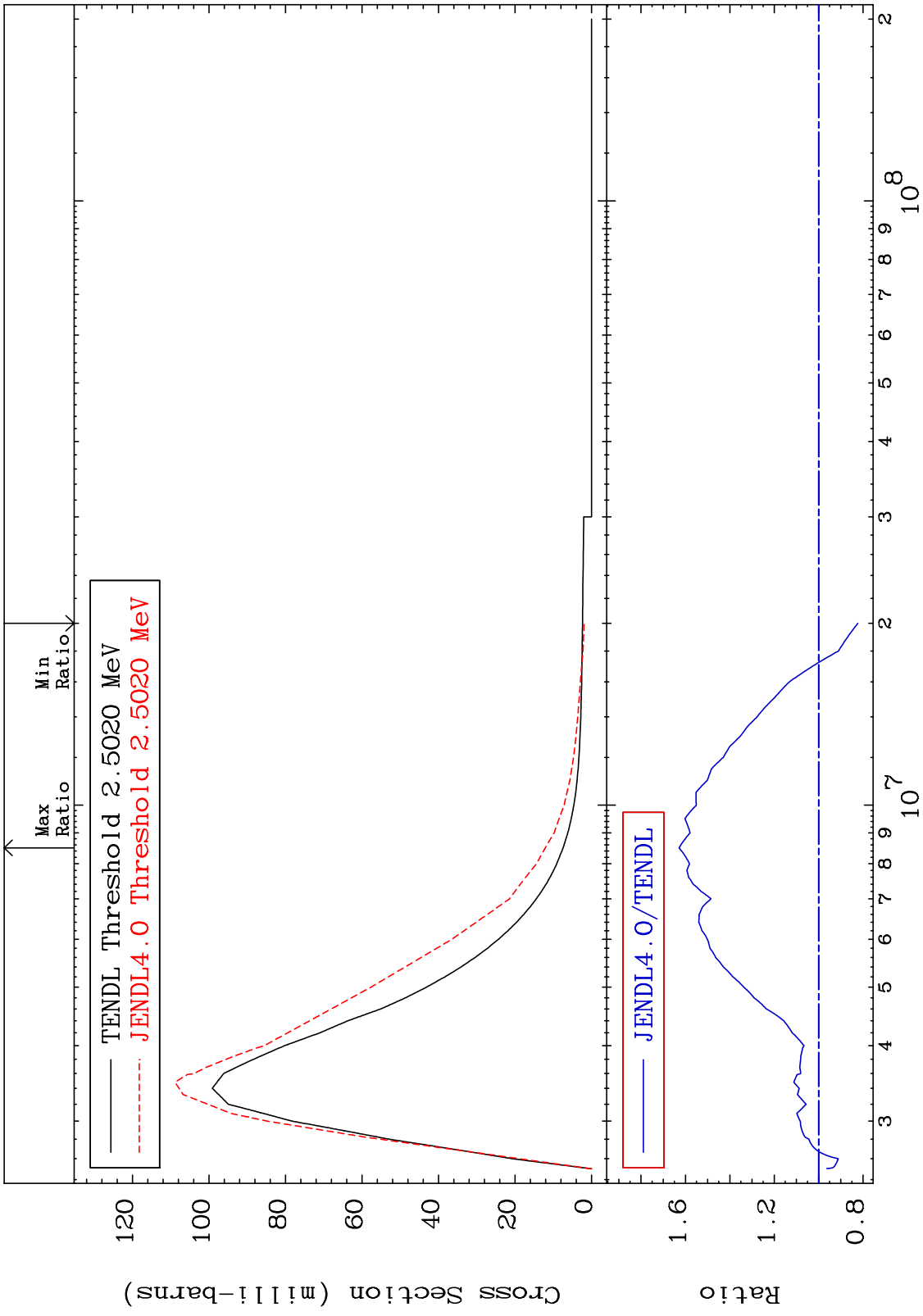




MAT 2825 MT= 51 (n,n') Level Cross Section 28-Ni-58
-40.30 To 147.2 %



MAT 2825 MT= 52 (n,n') Level Cross Section -17.68 To 62.88 % 28-Ni-58

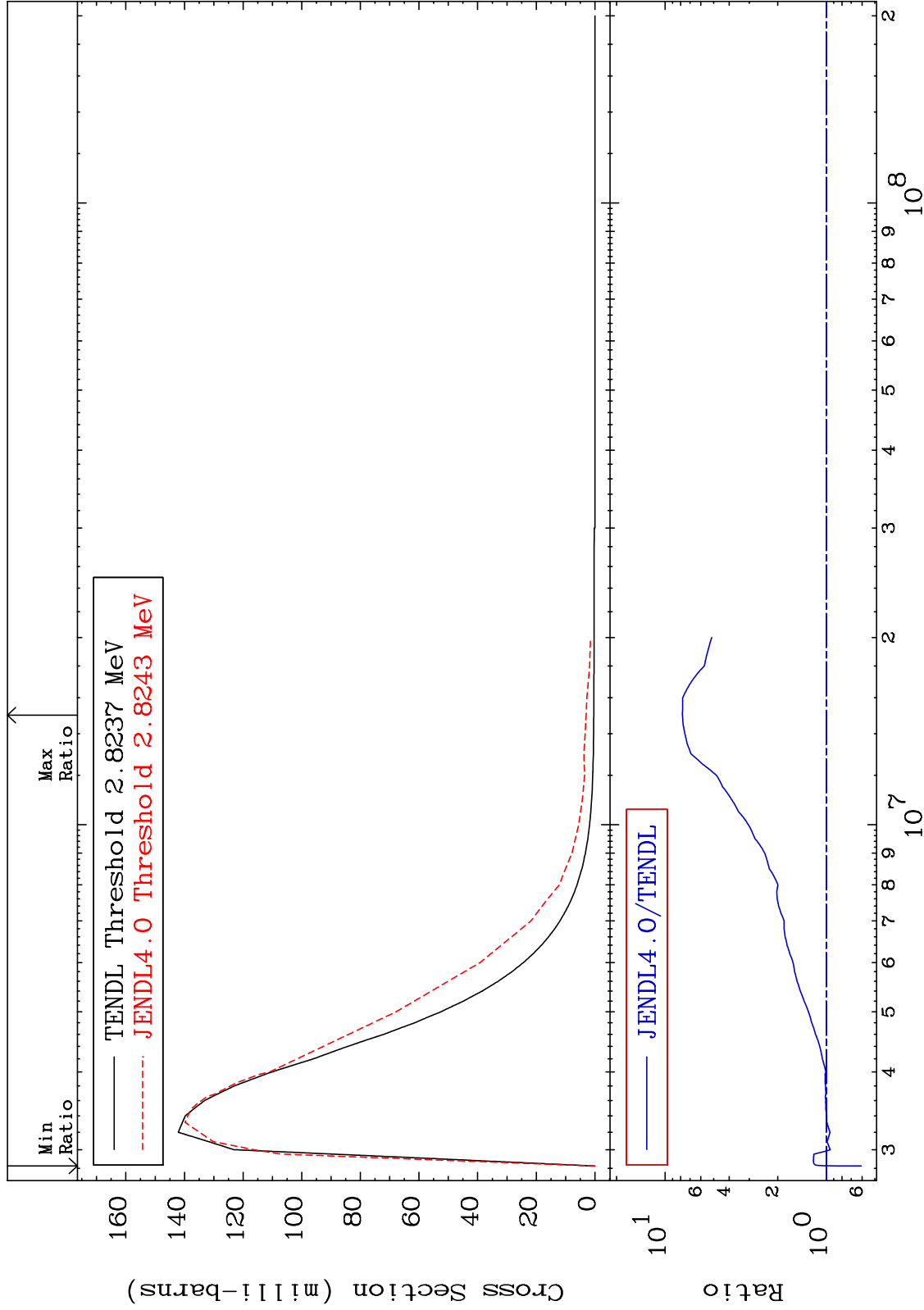


8 Incident Energy (eV) 28-Ni-58

MAT 2825

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

28-Ni-58
-39.33 To 680.3 %

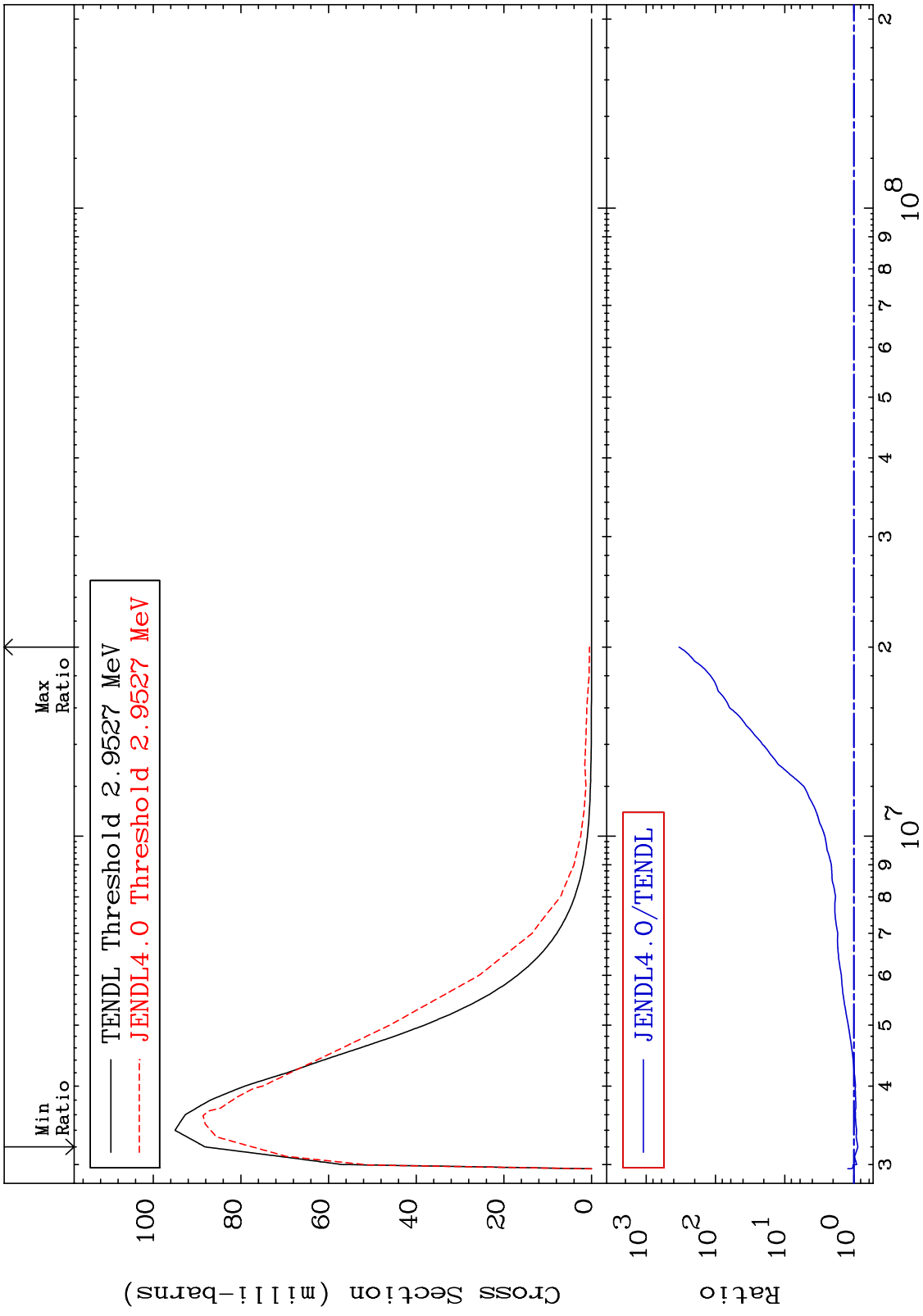


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28-Ni-58

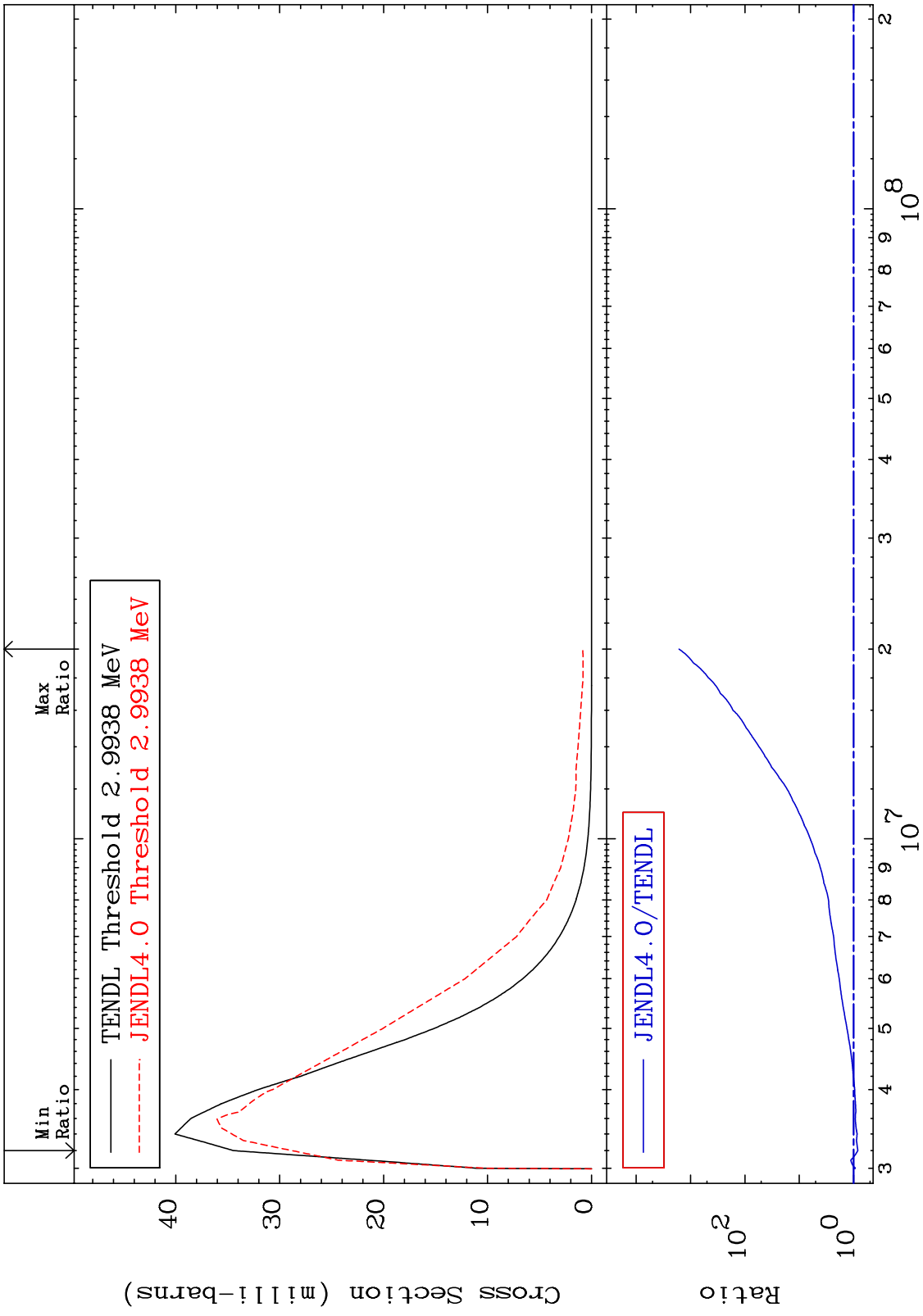
28-Ni-58

MAT 2825 MT= 54 (n,n') Level Cross Section -12.29 To 9999. % 28-Ni-58



10 28-Ni-58

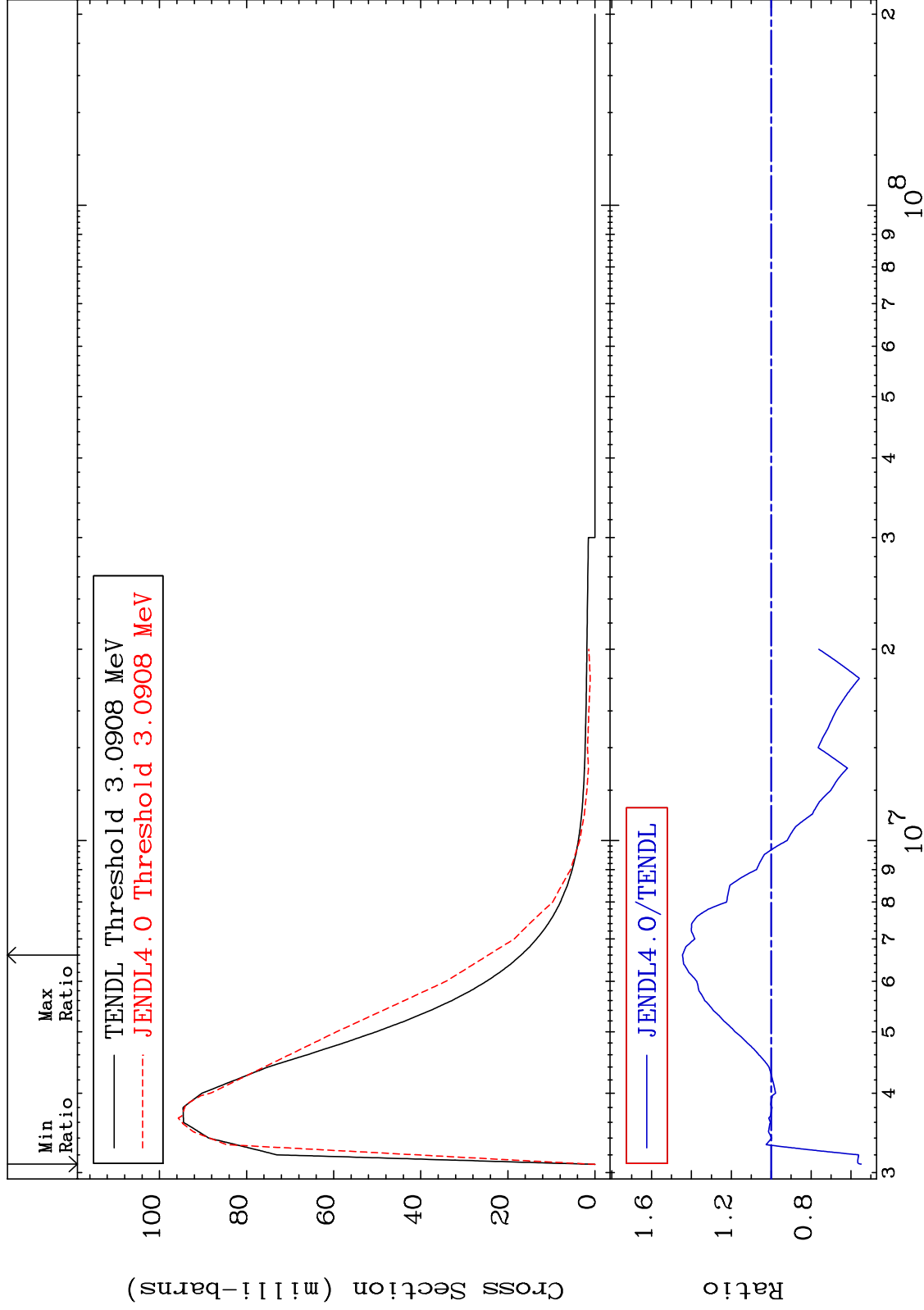
MAT 2825 MT= 55 (n,n') Level Cross Section -16.37 To 9999. % 28-Ni-58



MAT 2825

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

28-Ni-58
-45.16 To 44.51 %

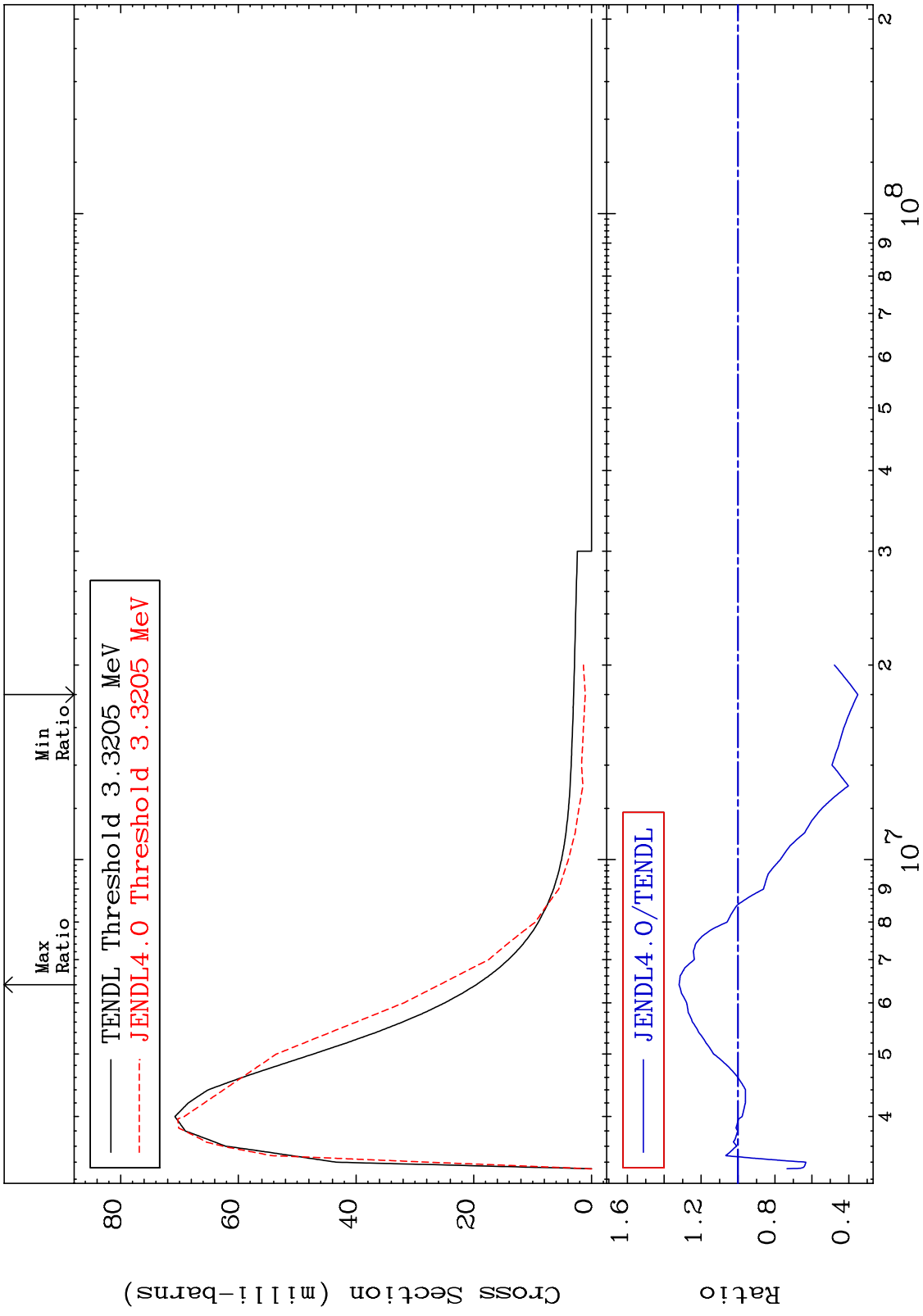


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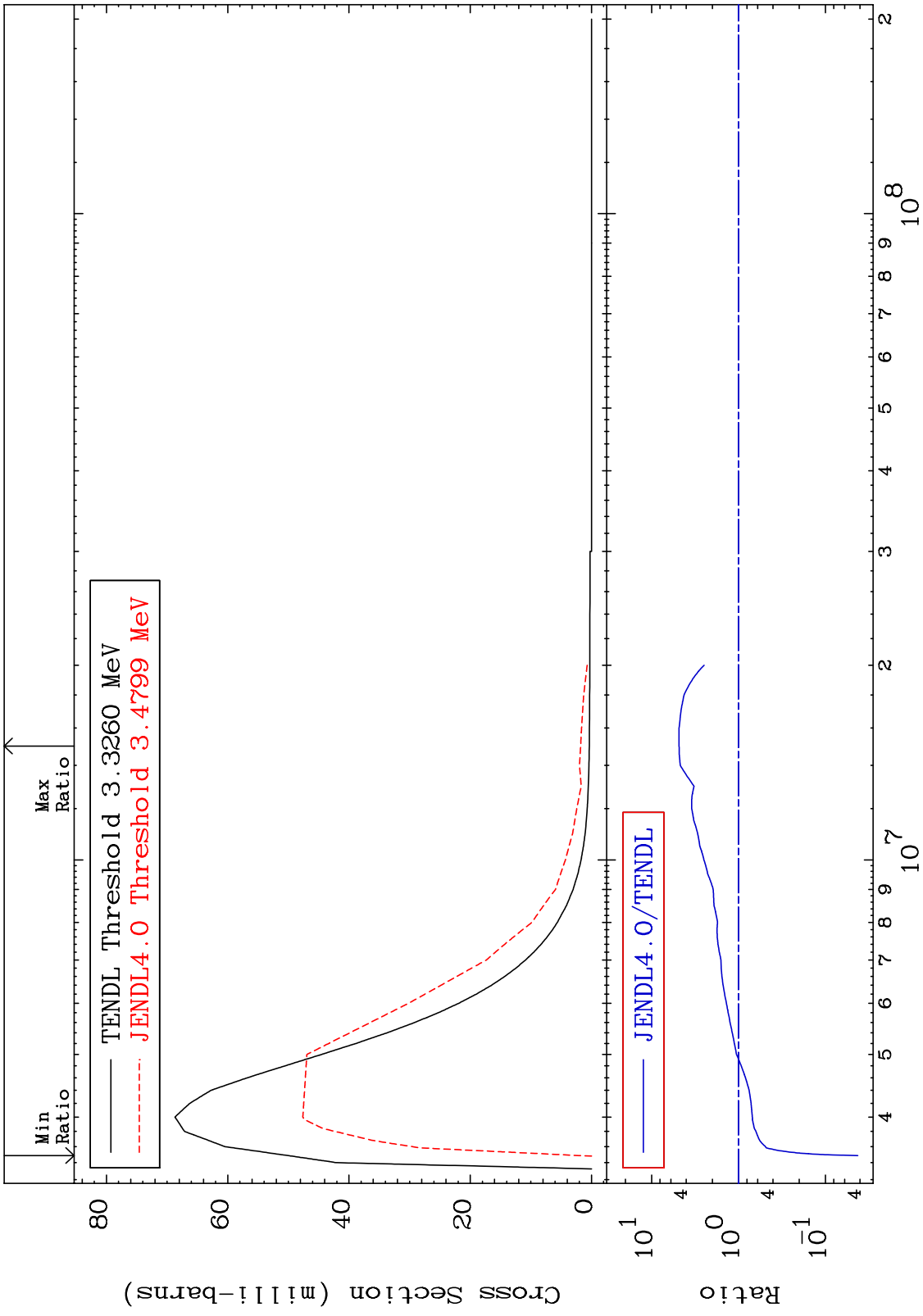
Incident Energy (eV)

28-Ni-58

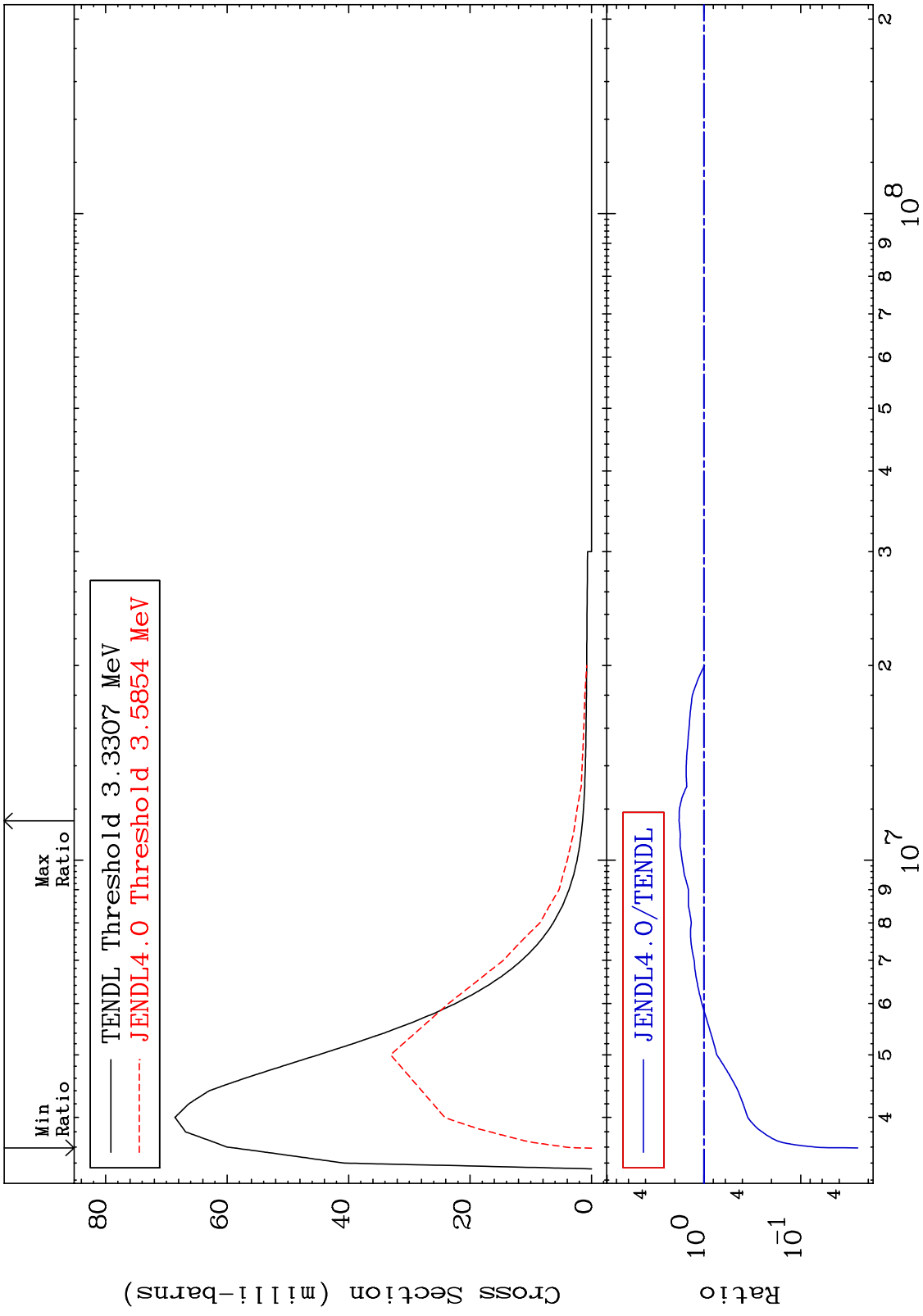
MAT 2825 MT= 57 (n,n') Level Cross Section -64.92 To 31.97 % 28-Ni-58



MAT 2825 MT= 58 (n,n') Level Cross Section 28-Ni-58
 -95.77 To 383.5 %



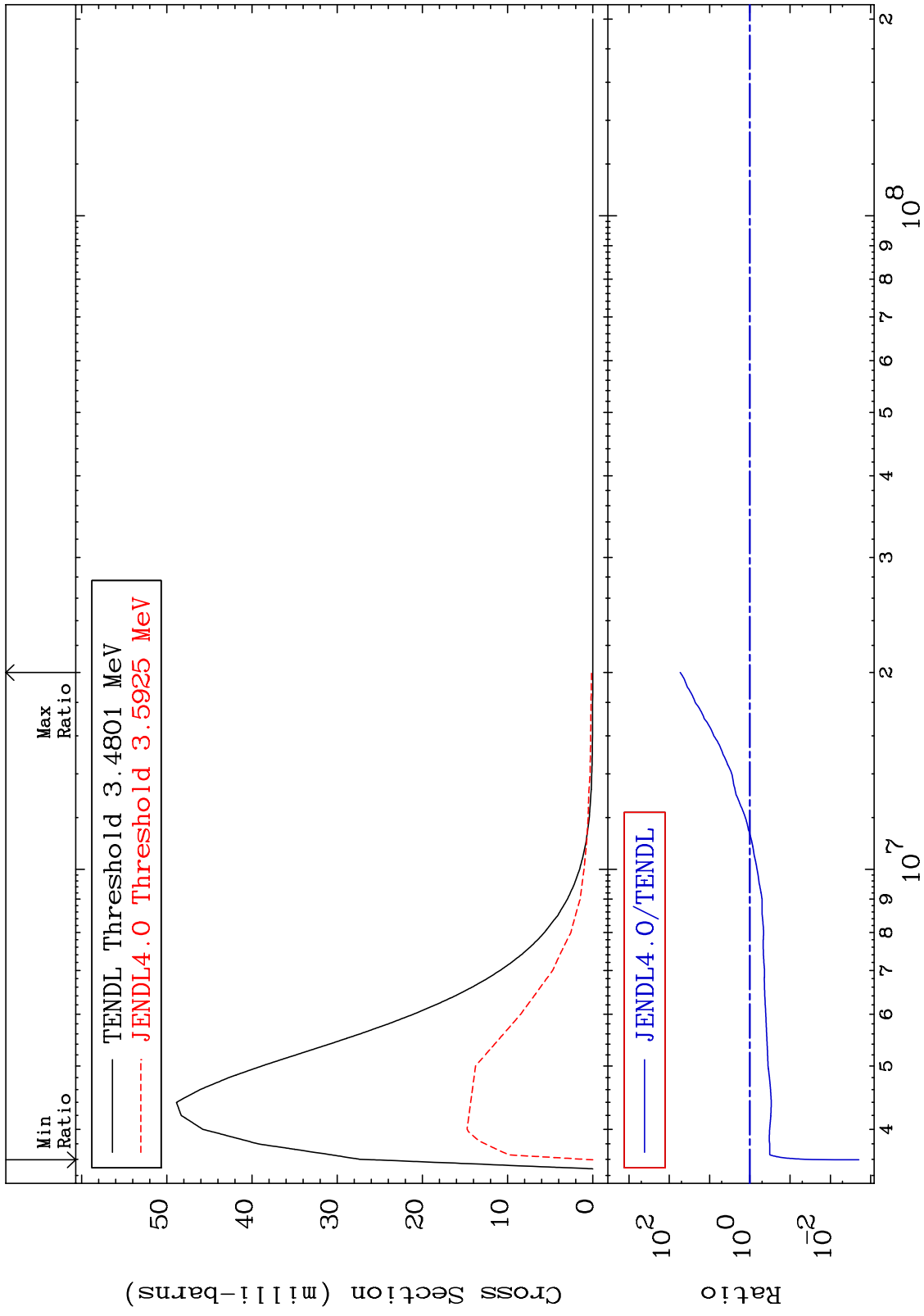
MAT 2825 MT= 59 (n,n') Level Cross Section -97.43 To 80.51 % 28-Ni-58



MAT 2825

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

28-Ni-58
-99.80 To 5259. %

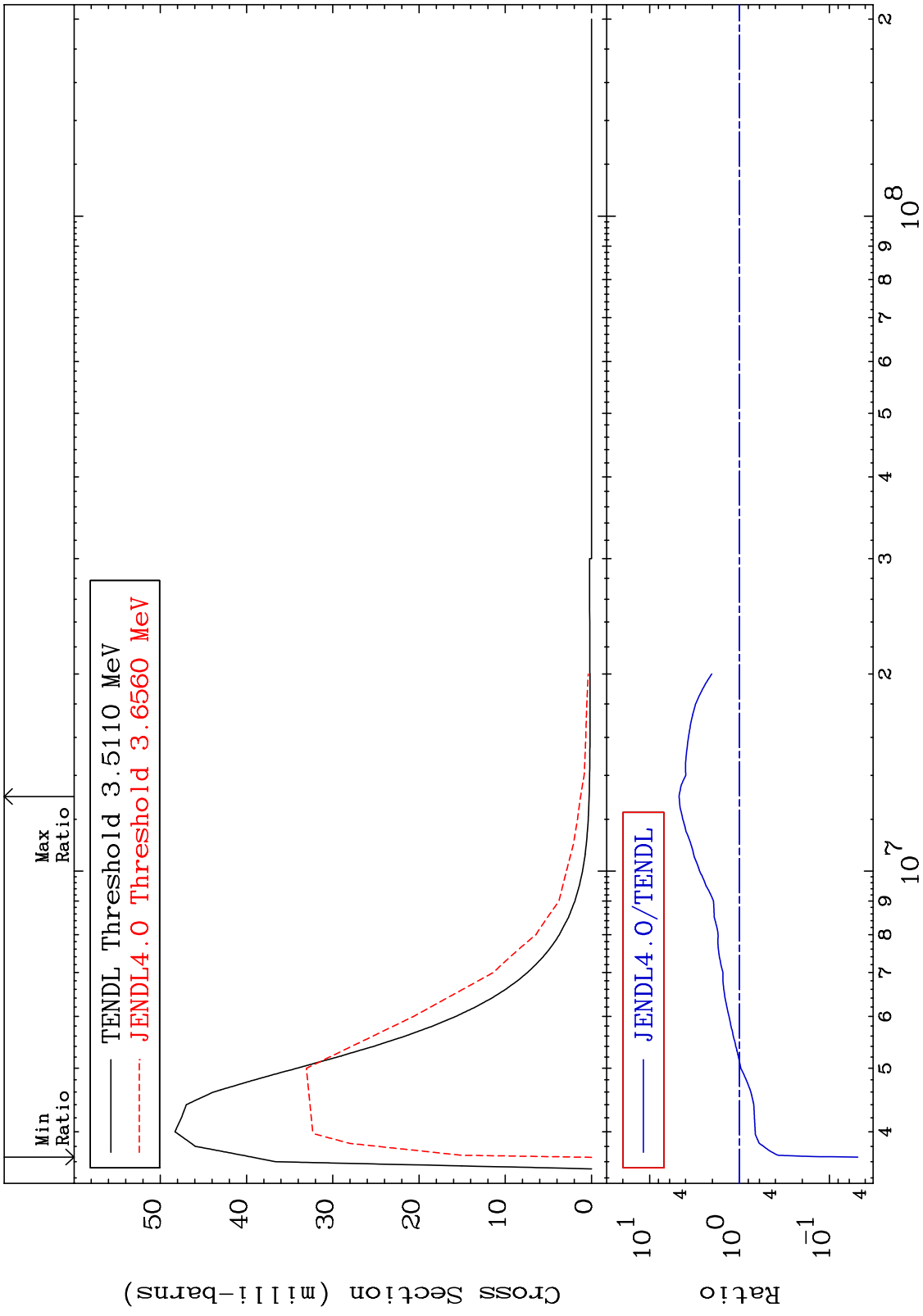


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Incident Energy (eV)

28-Ni-58

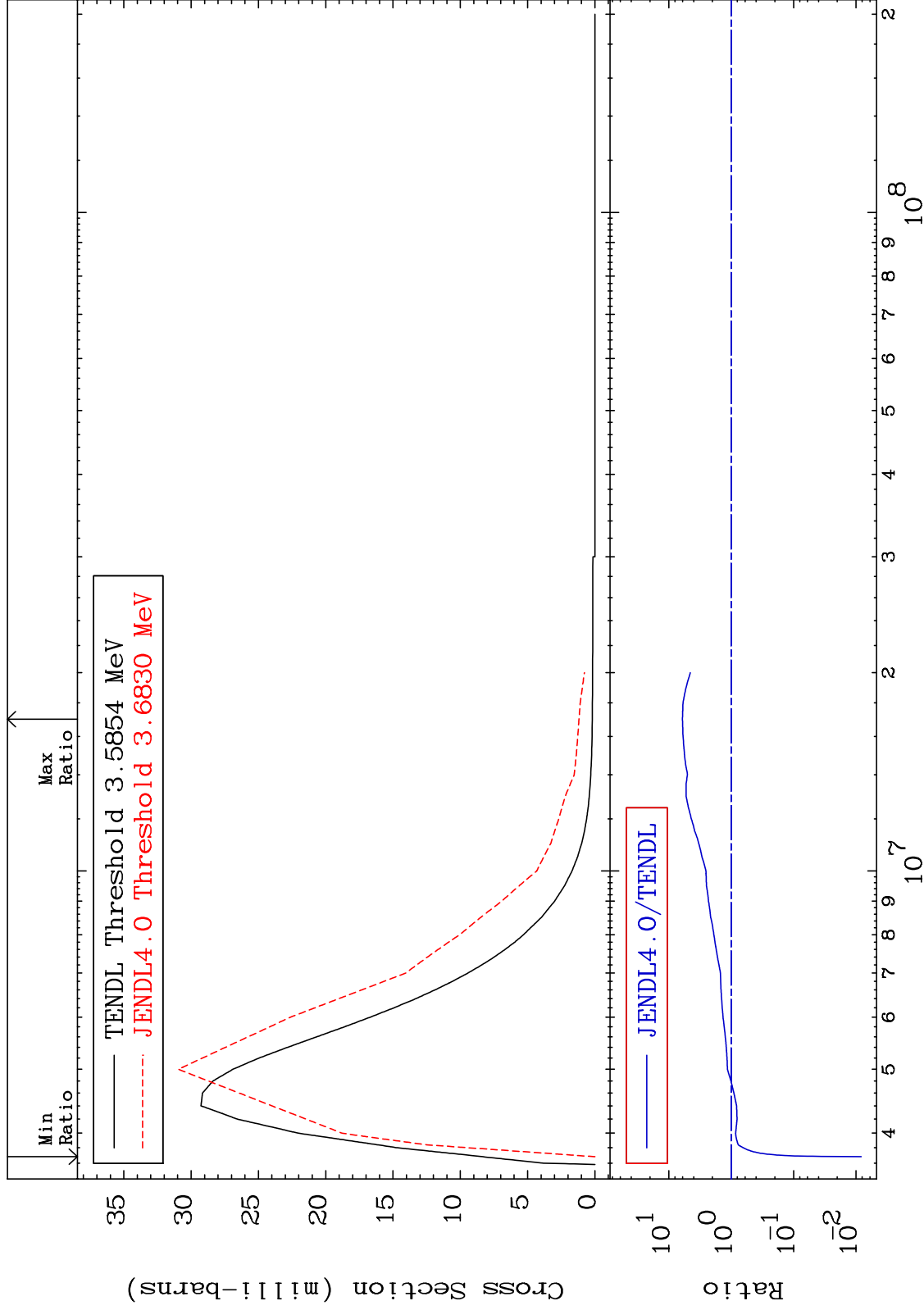
MAT 2825 MT= 61 (n,n') Level Cross Section 28-Ni-58
 -95.18 To 371.8 %



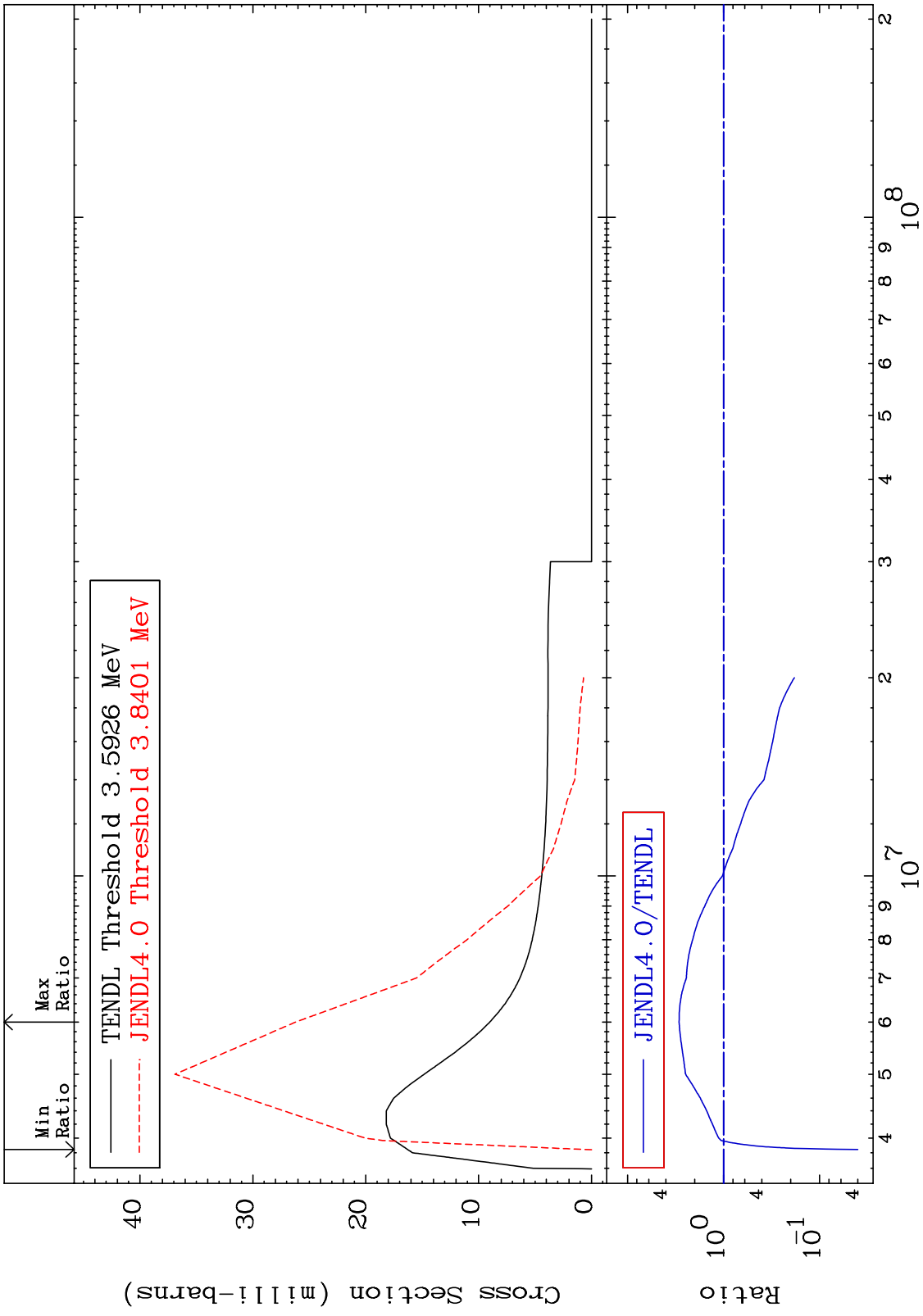
MAT 2825

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

28-Ni-58
-99.17 To 504.6 %



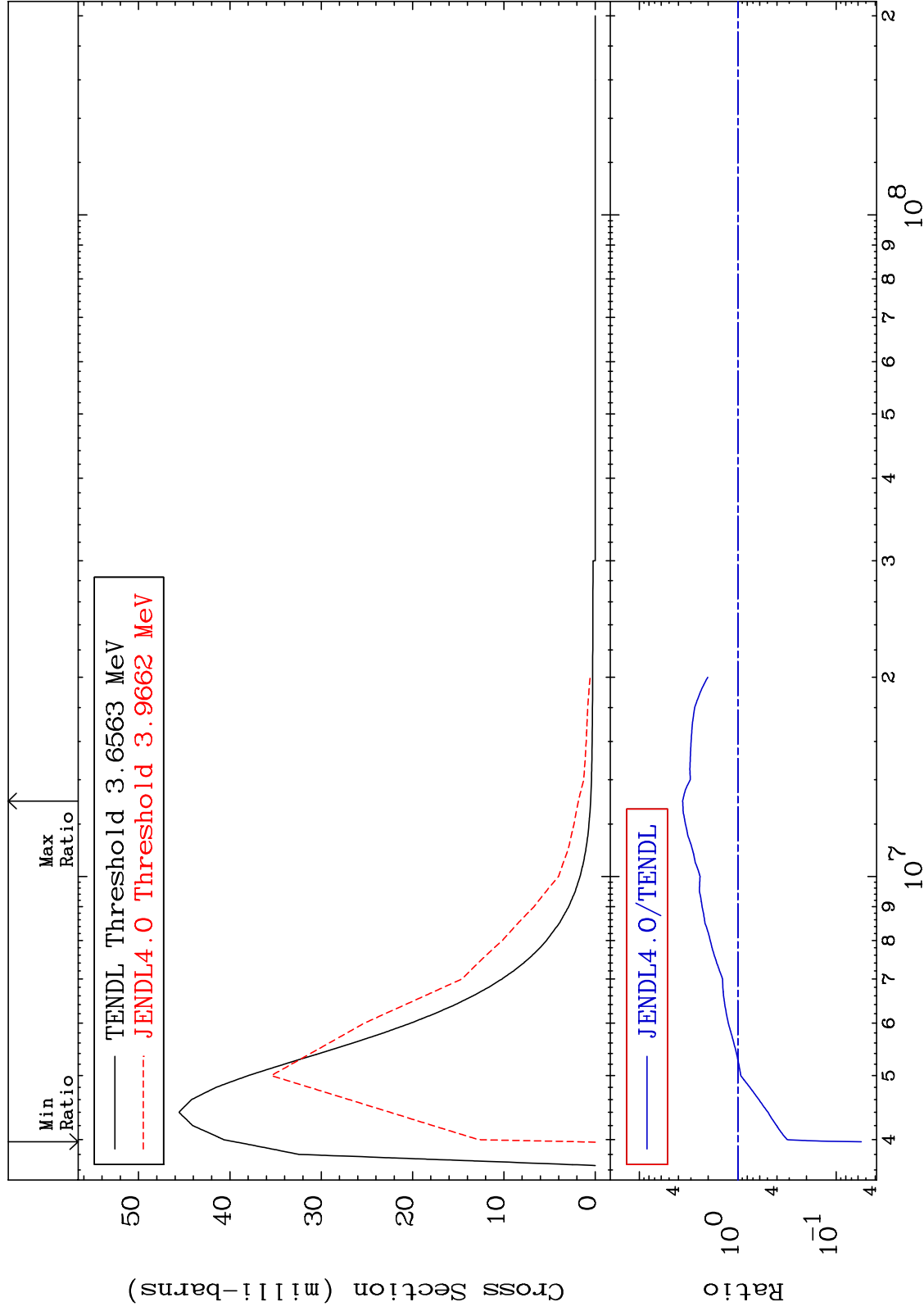
MAT 2825 MT= 63 (n,n') Level Cross Section -96.00 To 190.9 % 28-Ni-58



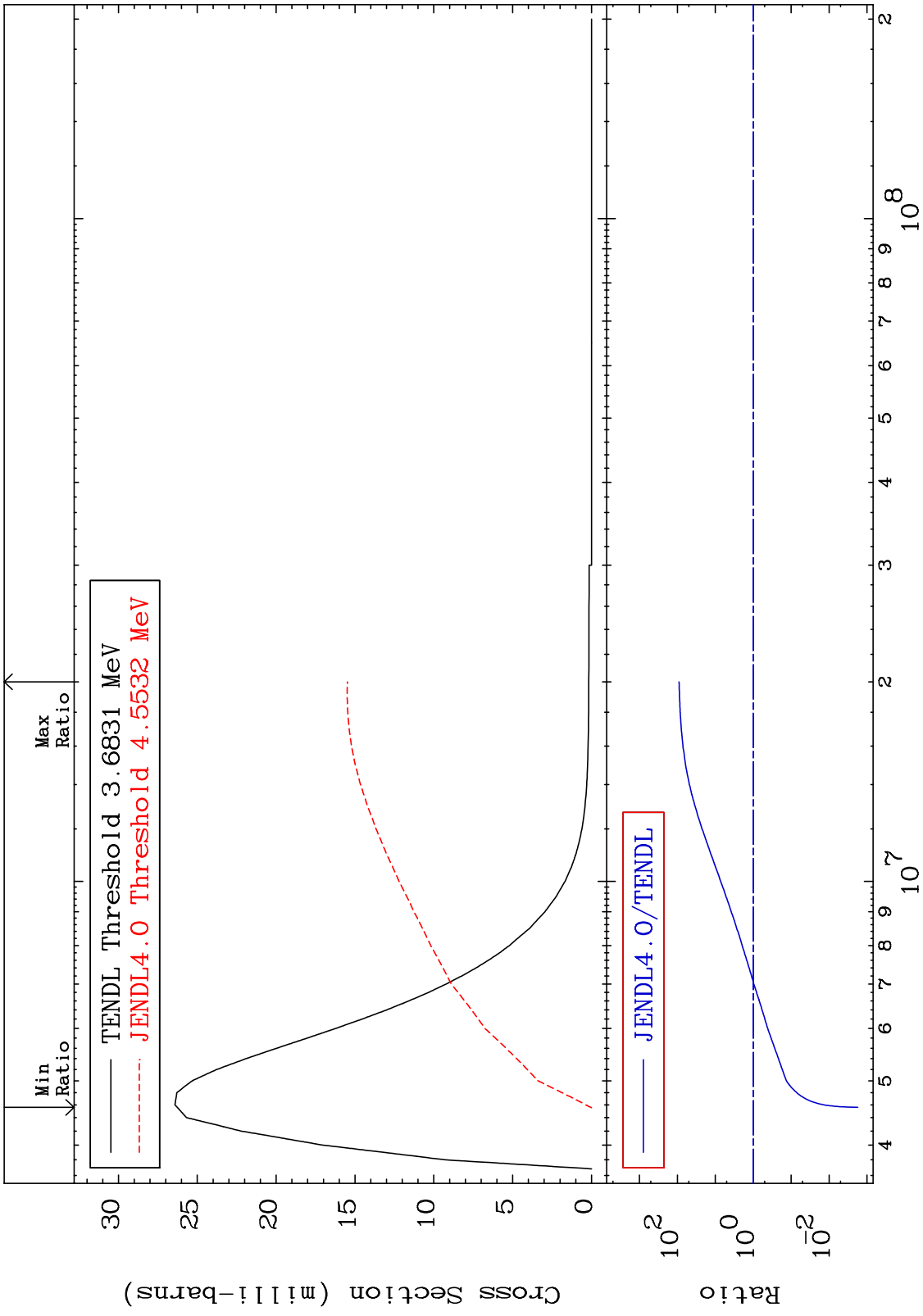
MAT 2825

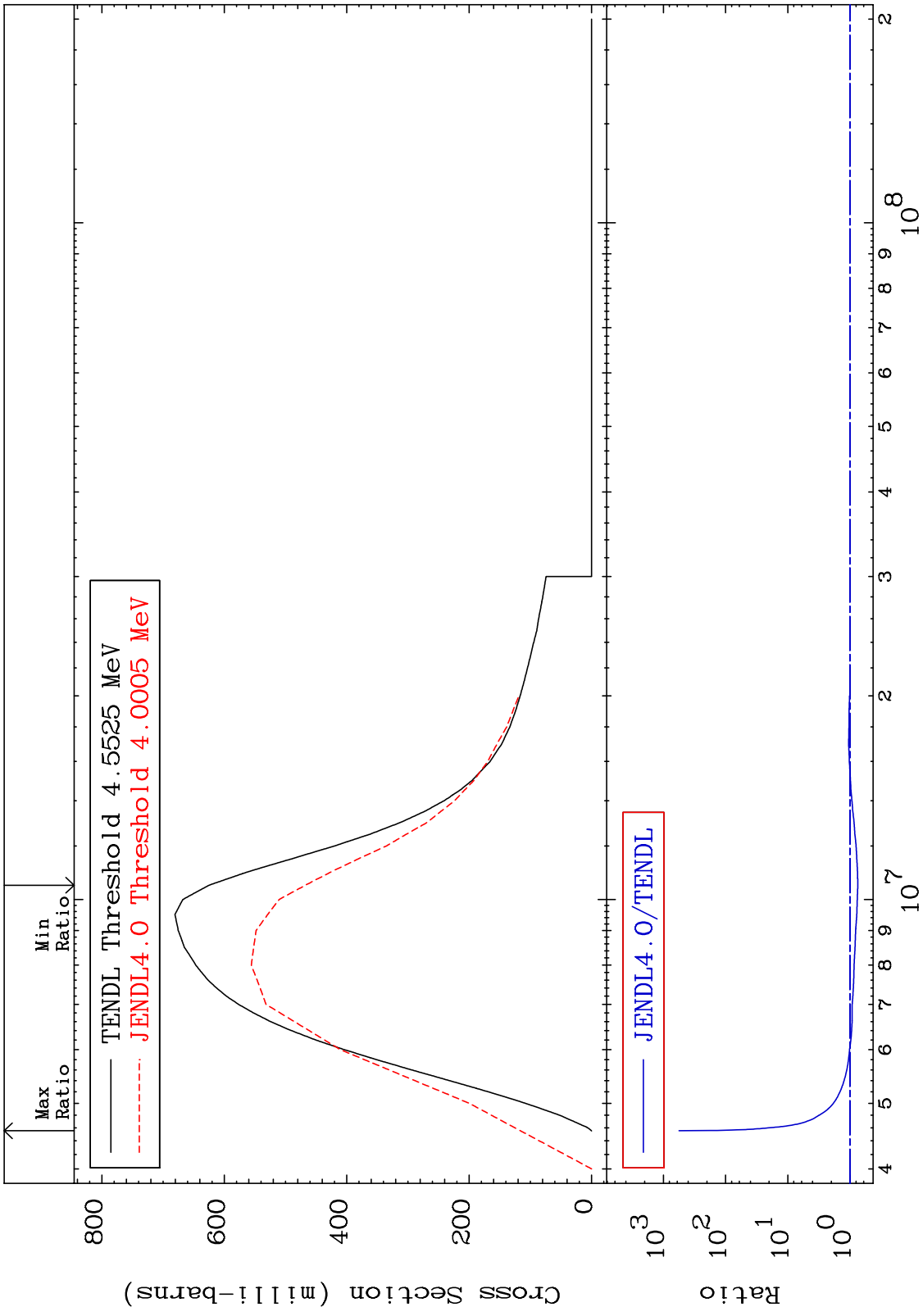
MT= 64 (n,n') Level
Cross Section

28-Ni-58
-94.45 To 263.3 %



MAT 2825 MT= 65 (n,n') Level Cross Section 28-Ni-58
 -99.83 To 8928. %





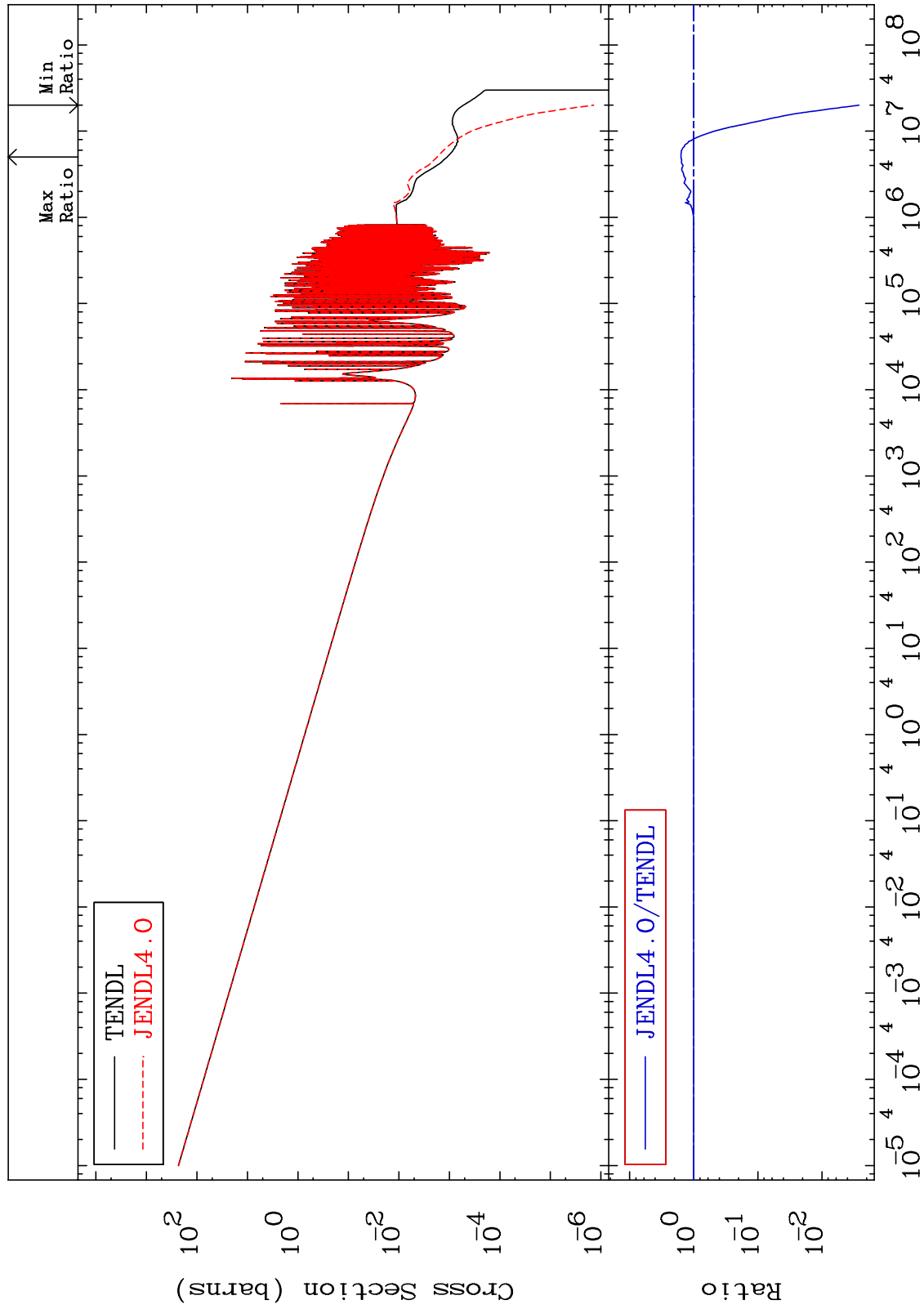
MAT 2825

(n, γ)

28-Ni-58

Cross Section

-99.74 To 58.88 %



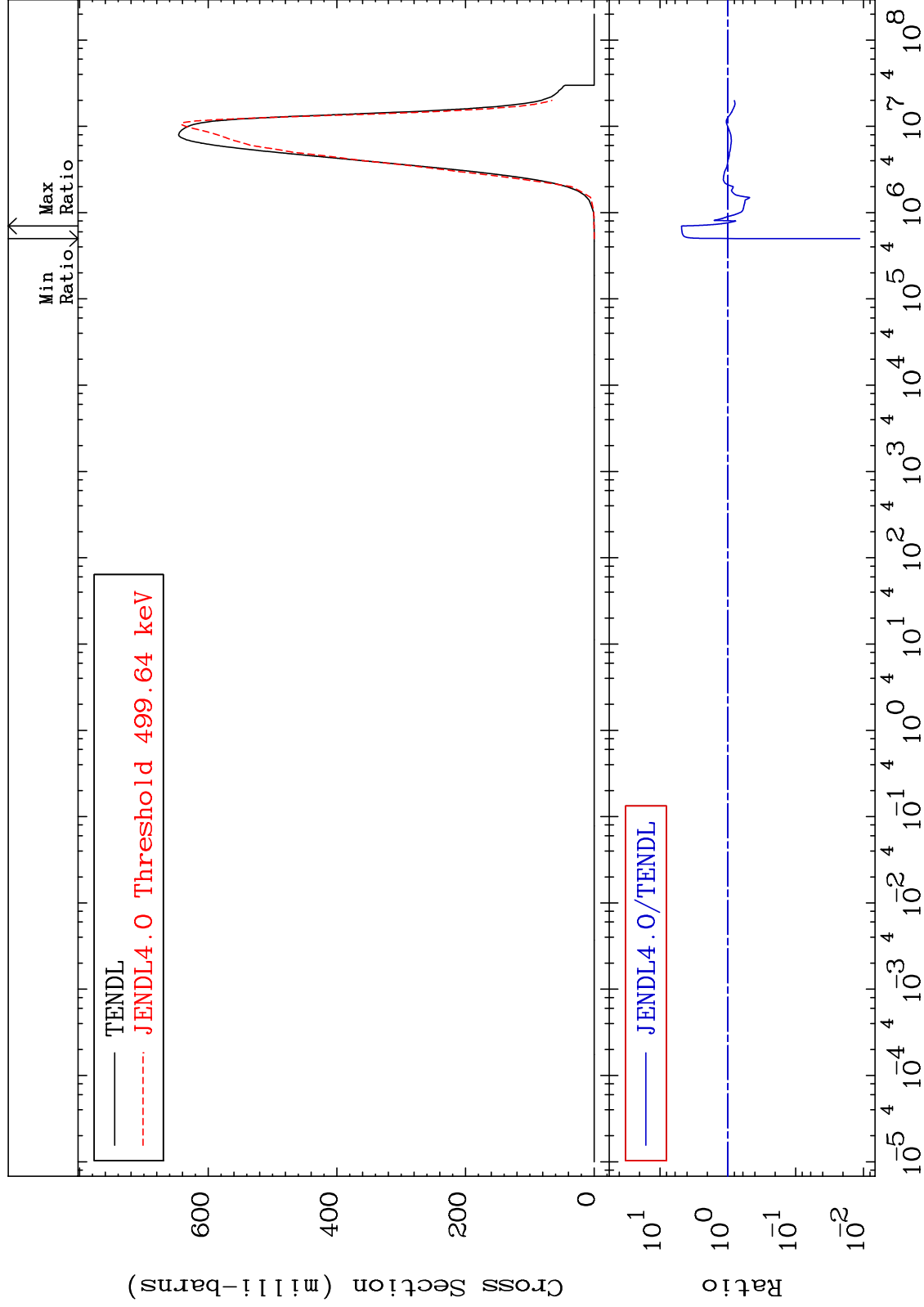
MAT 2825

(n,p)

28-Ni-58

Cross Section

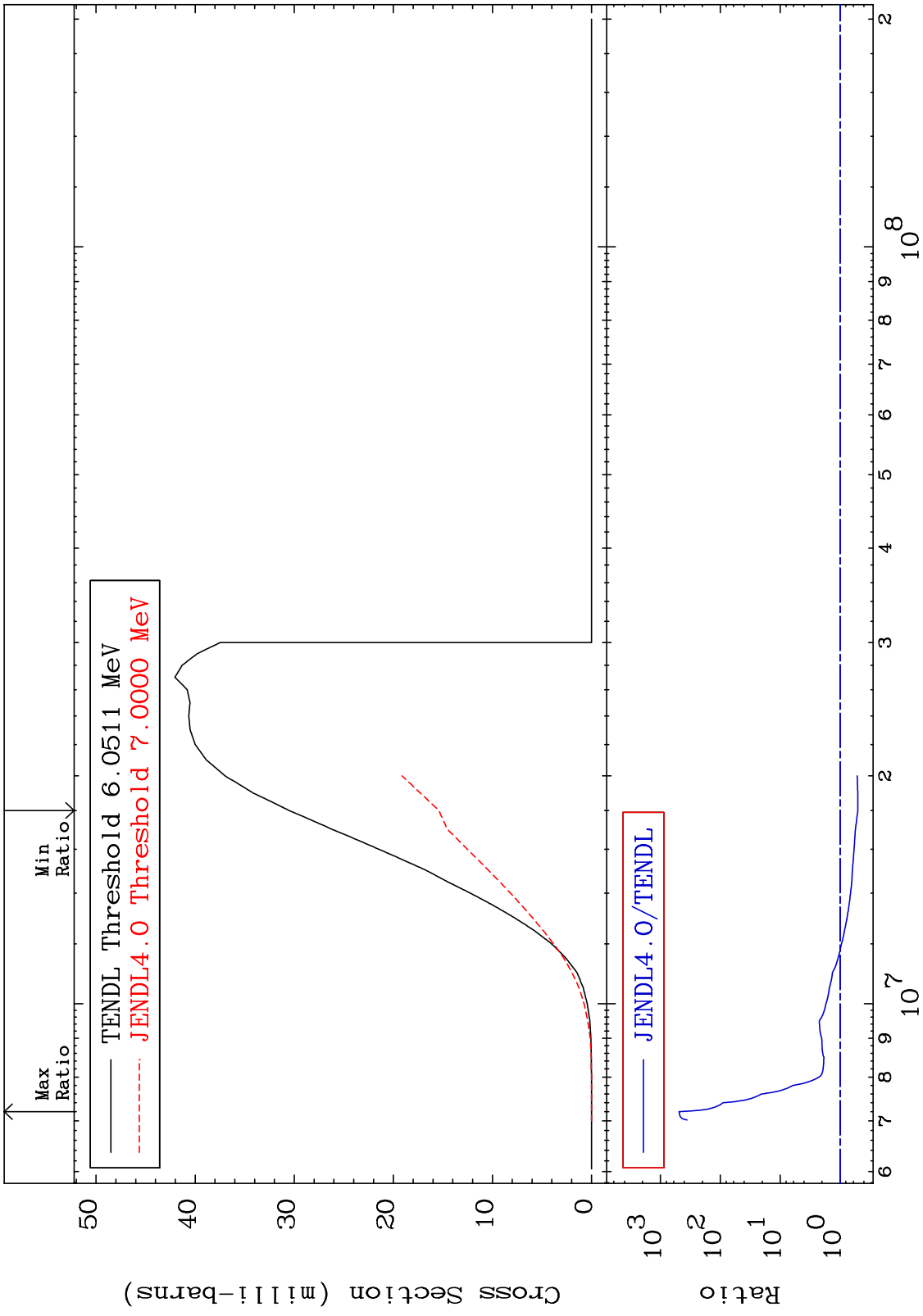
-98.87 To 382.3 %

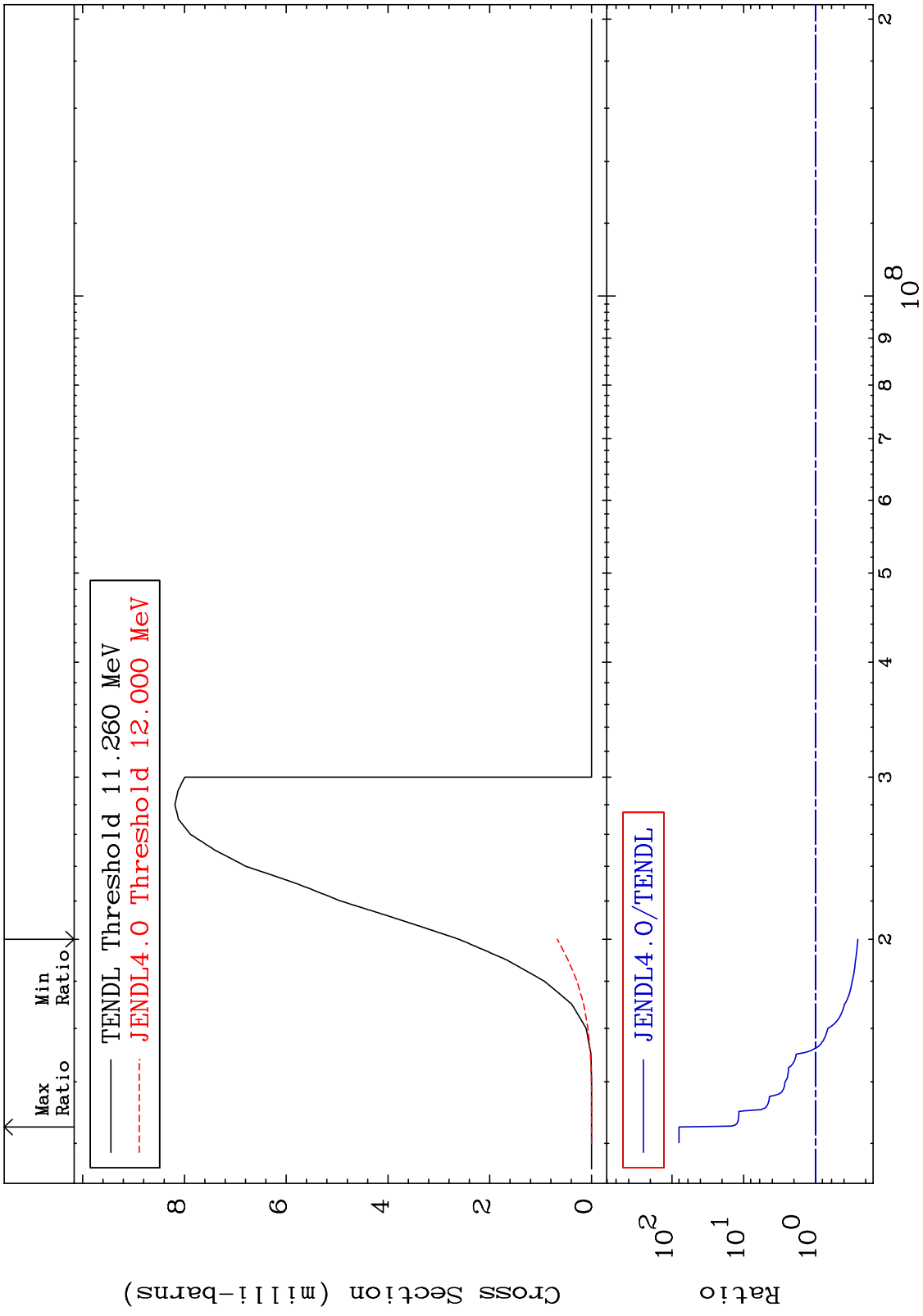


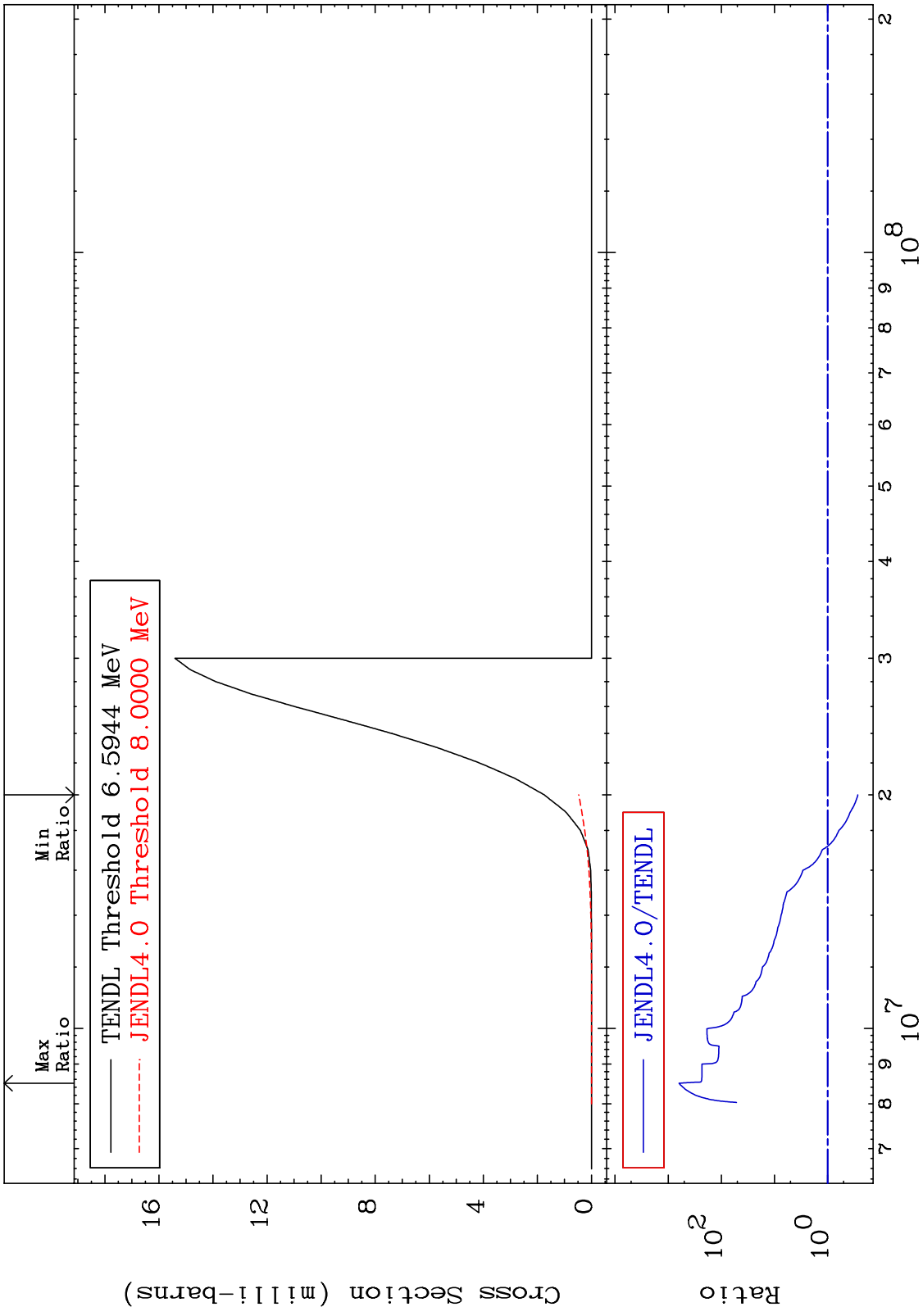
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Incident Energy (eV)

28-Ni-58







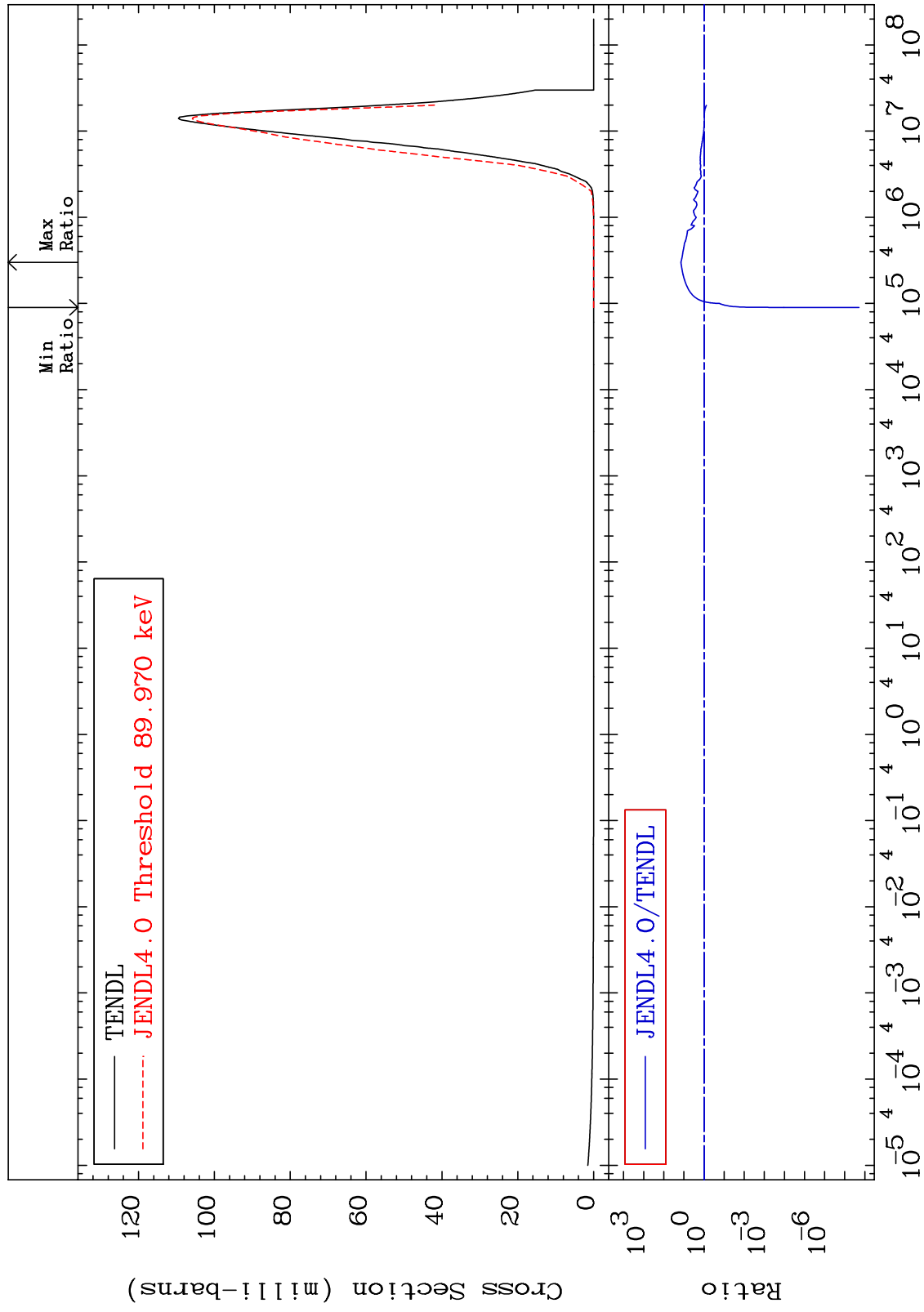
MAT 2825

(n, α)

28-Ni-58

Cross Section

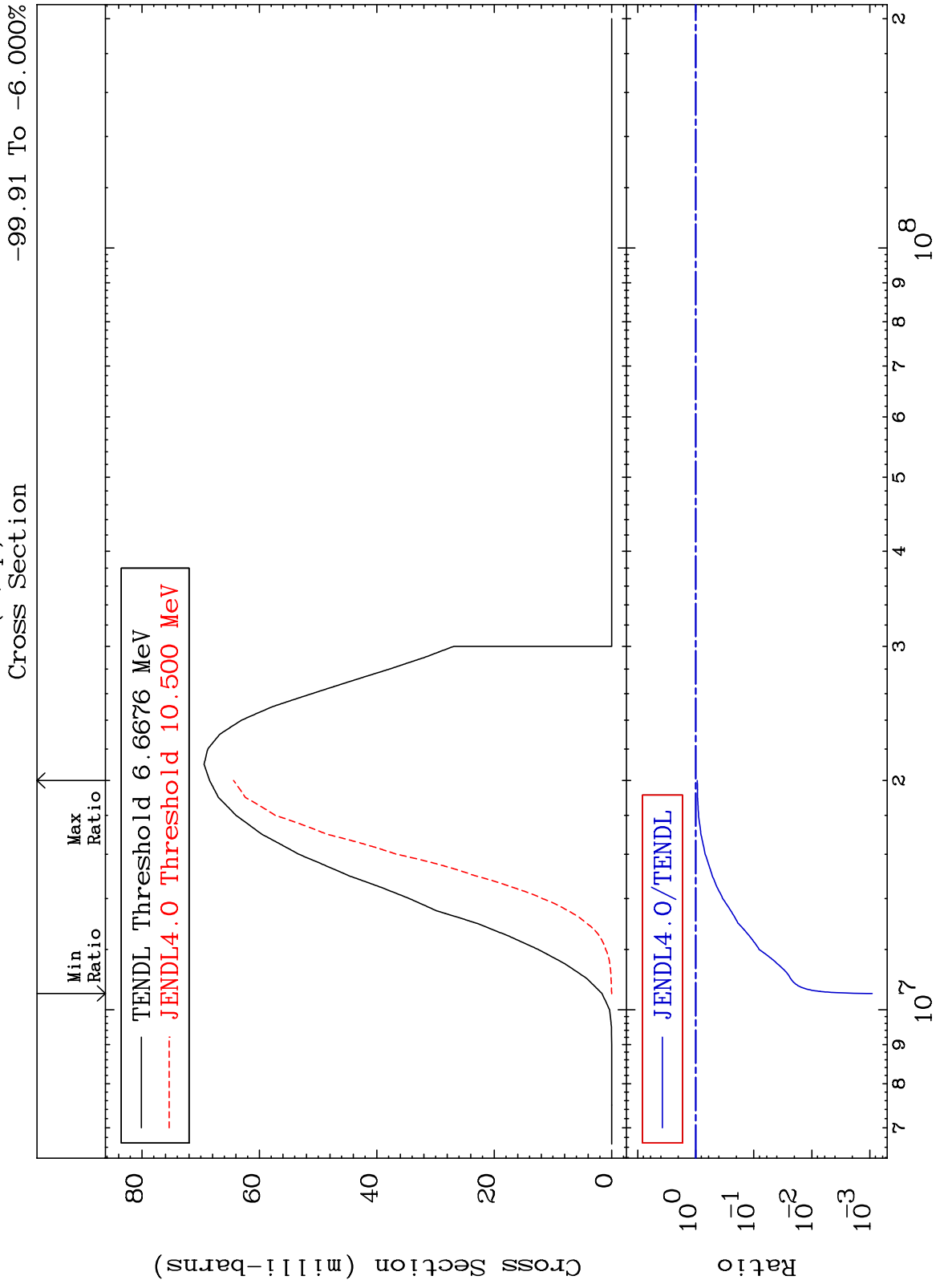
-100.0 To 1317. %



28

Incident Energy (eV)

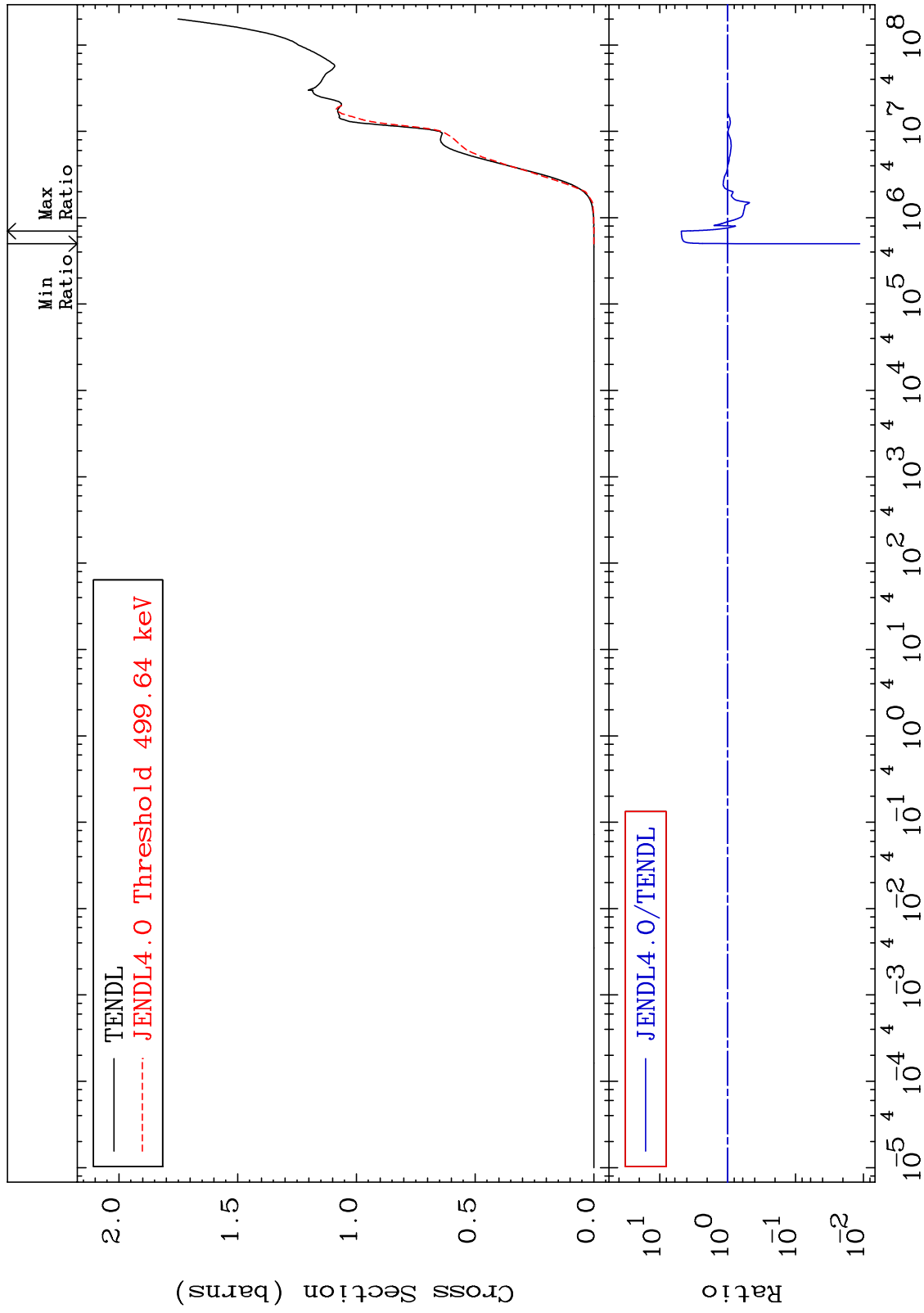
28-Ni-58

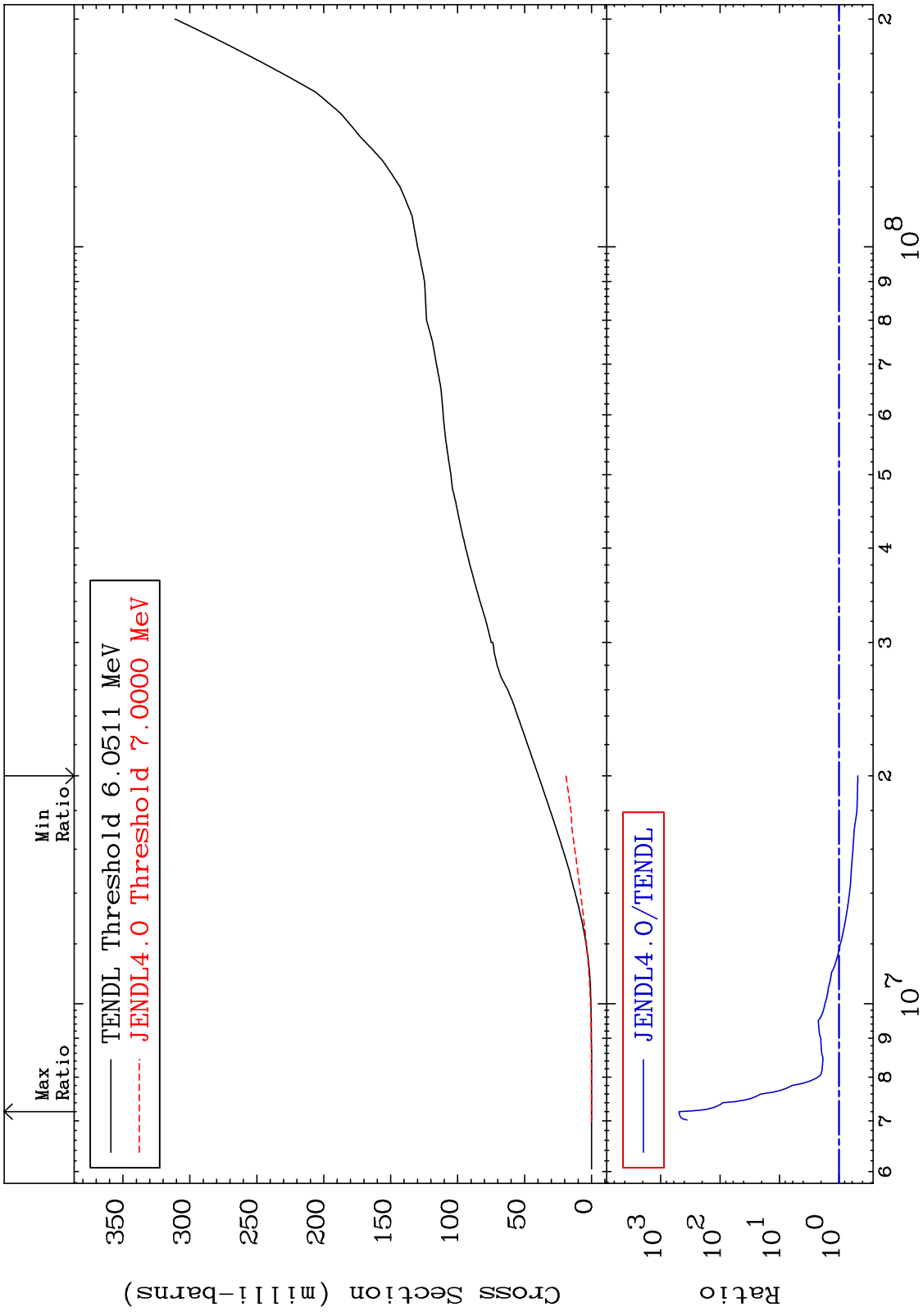


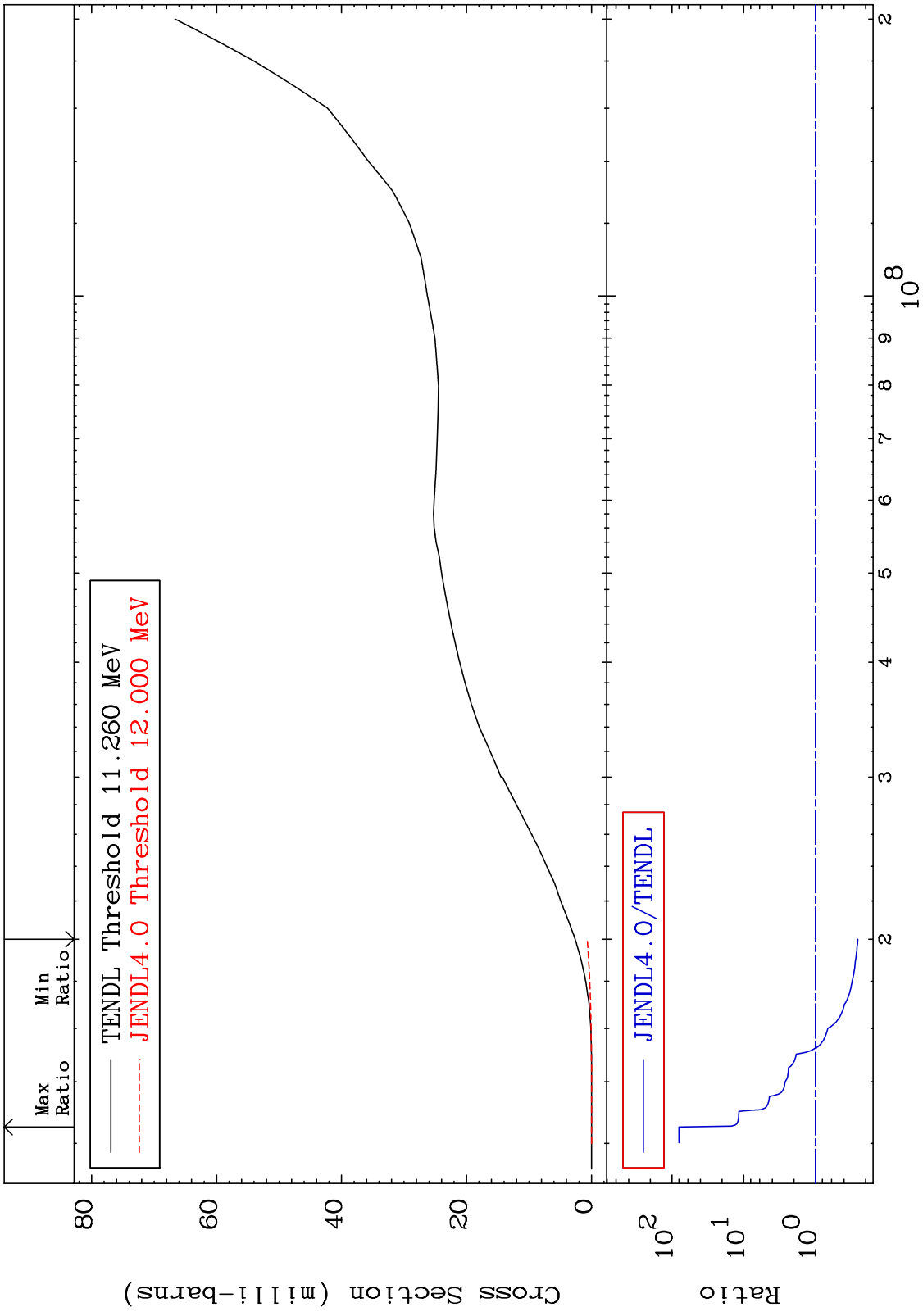
MAT 2825

Hydrogen Production Cross Section

28-Ni-58
-98.87 To 382.3 %



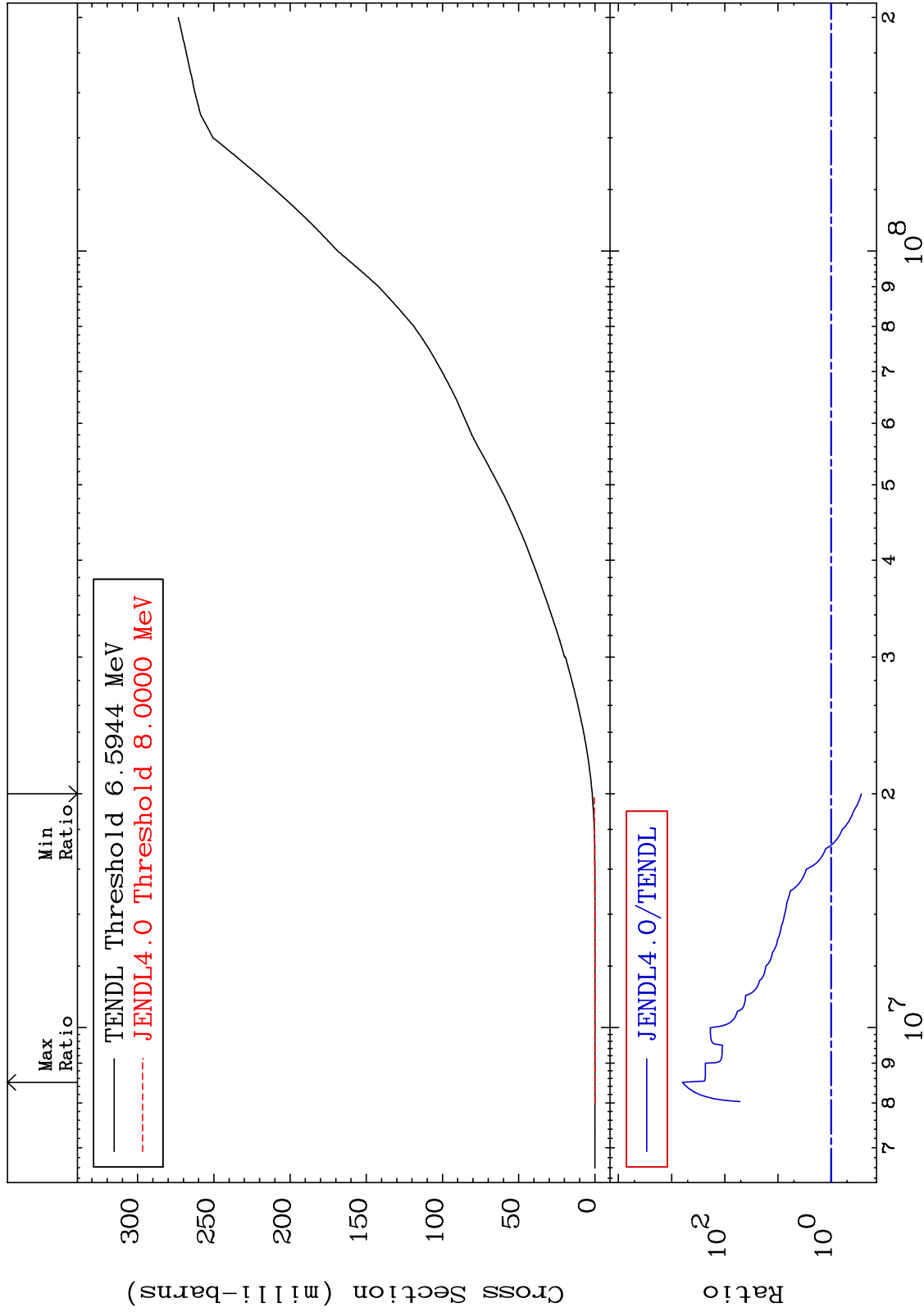




MAT 2825

He-3 Production
Cross Section

28-Ni-58
-72.98 To 9999. %



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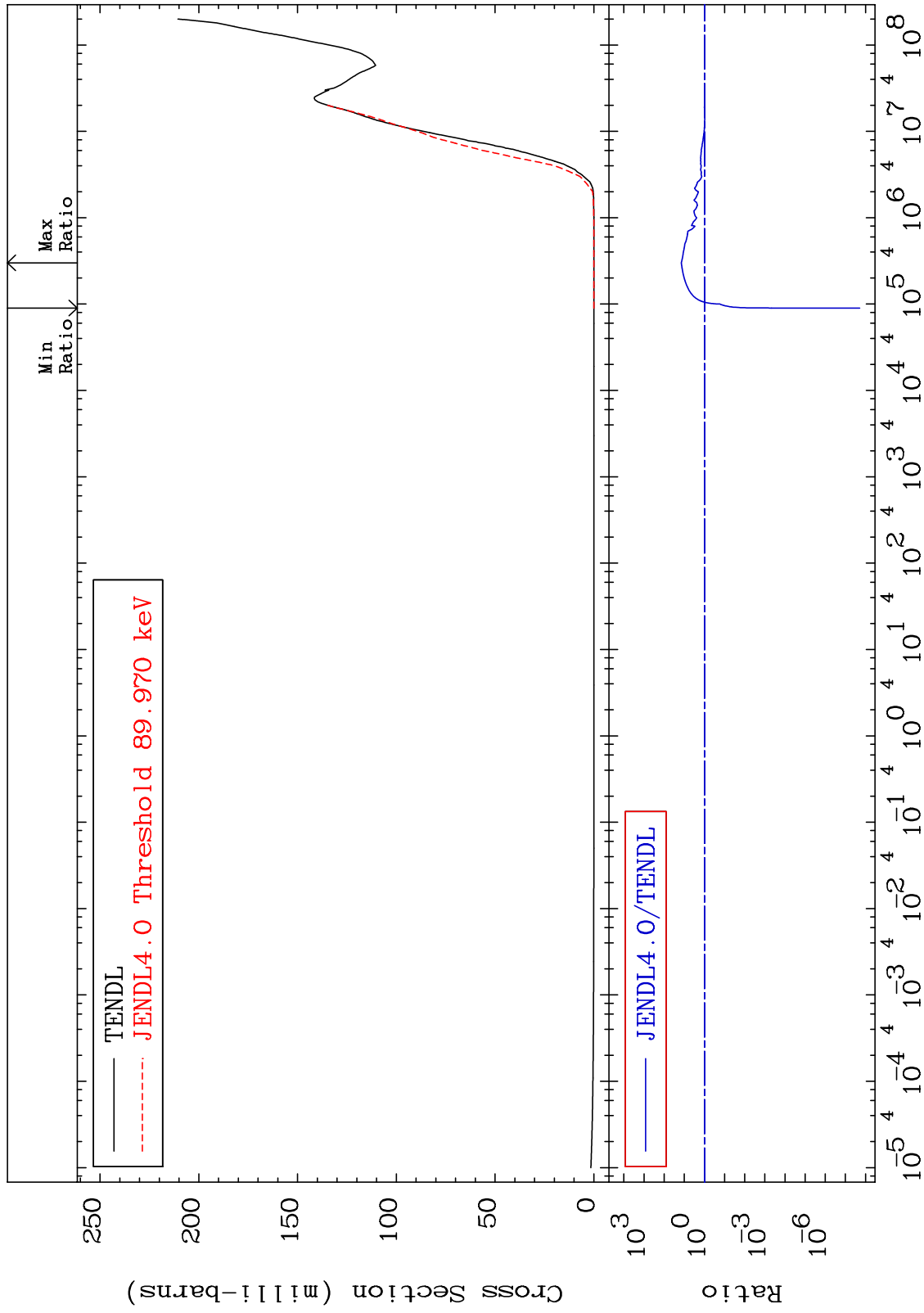
Incident Energy (eV)

28-Ni-58

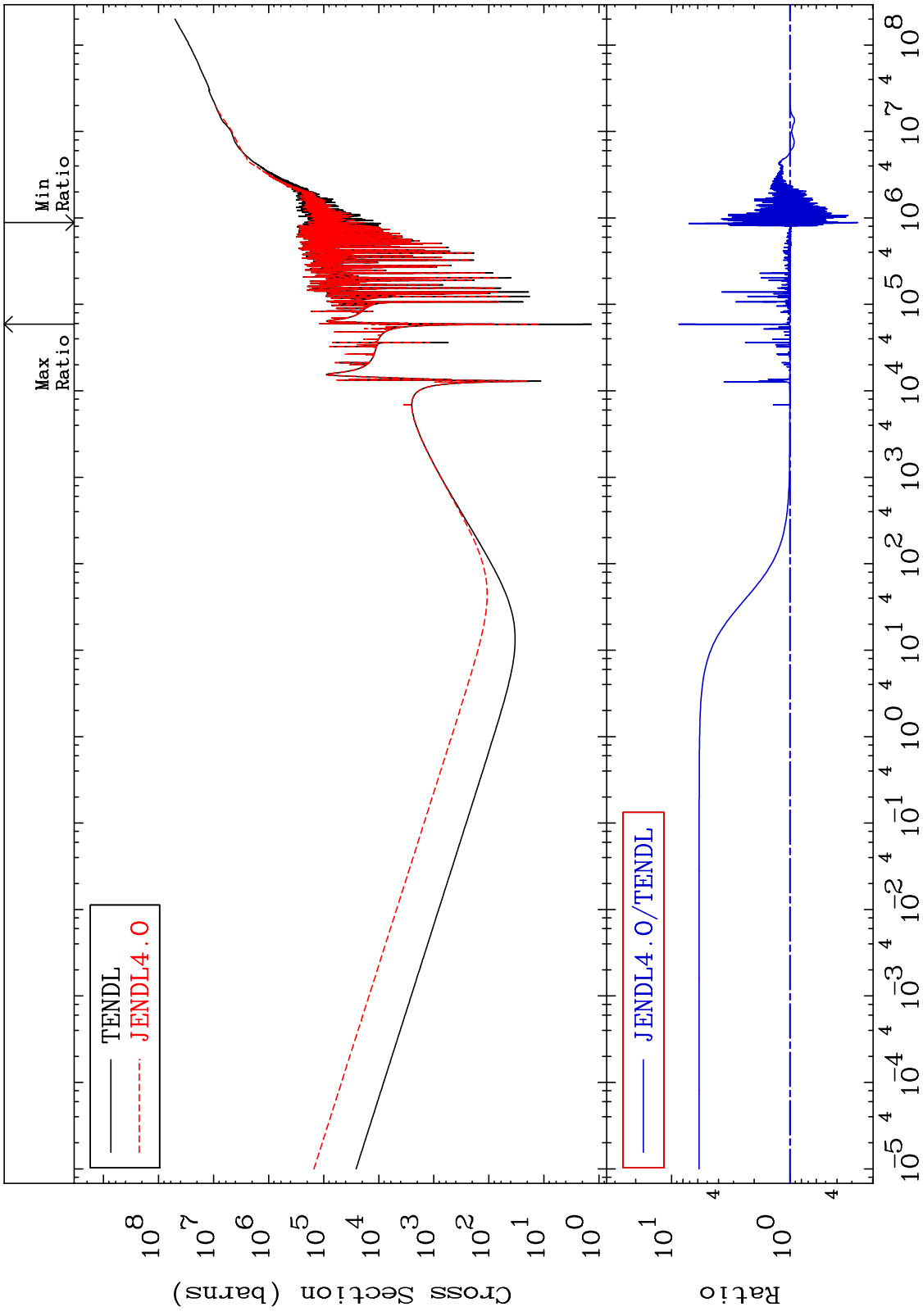
MAT 2825

He-4 Production
Cross Section

28-Ni-58
-100.0 To 1317. %



MAT 2825 Kerma total (eV-barns)
 Cross Section 28-Ni-58
 -73.29 To 762.6 %

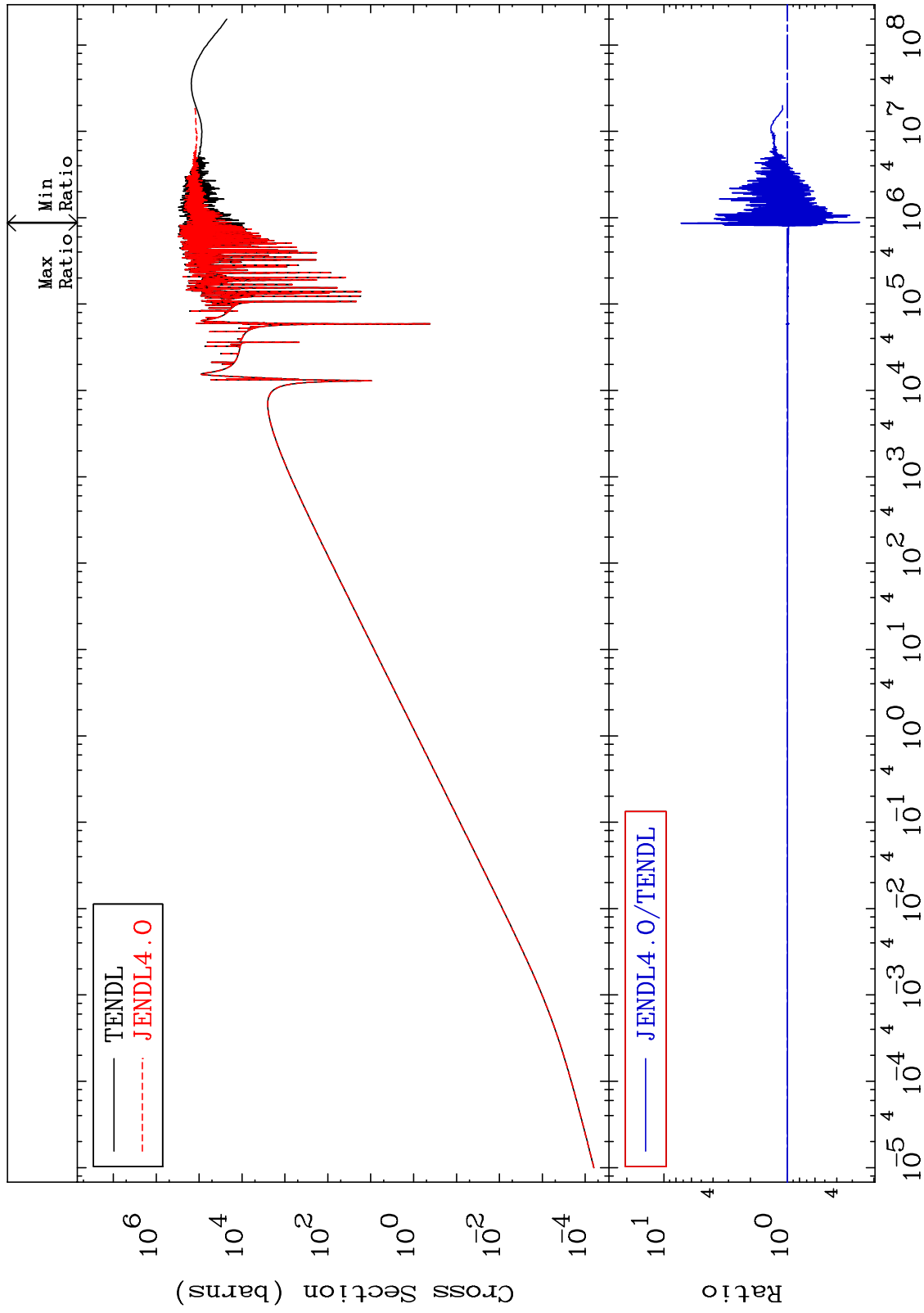


35 Incident Energy (eV) 28-Ni-58

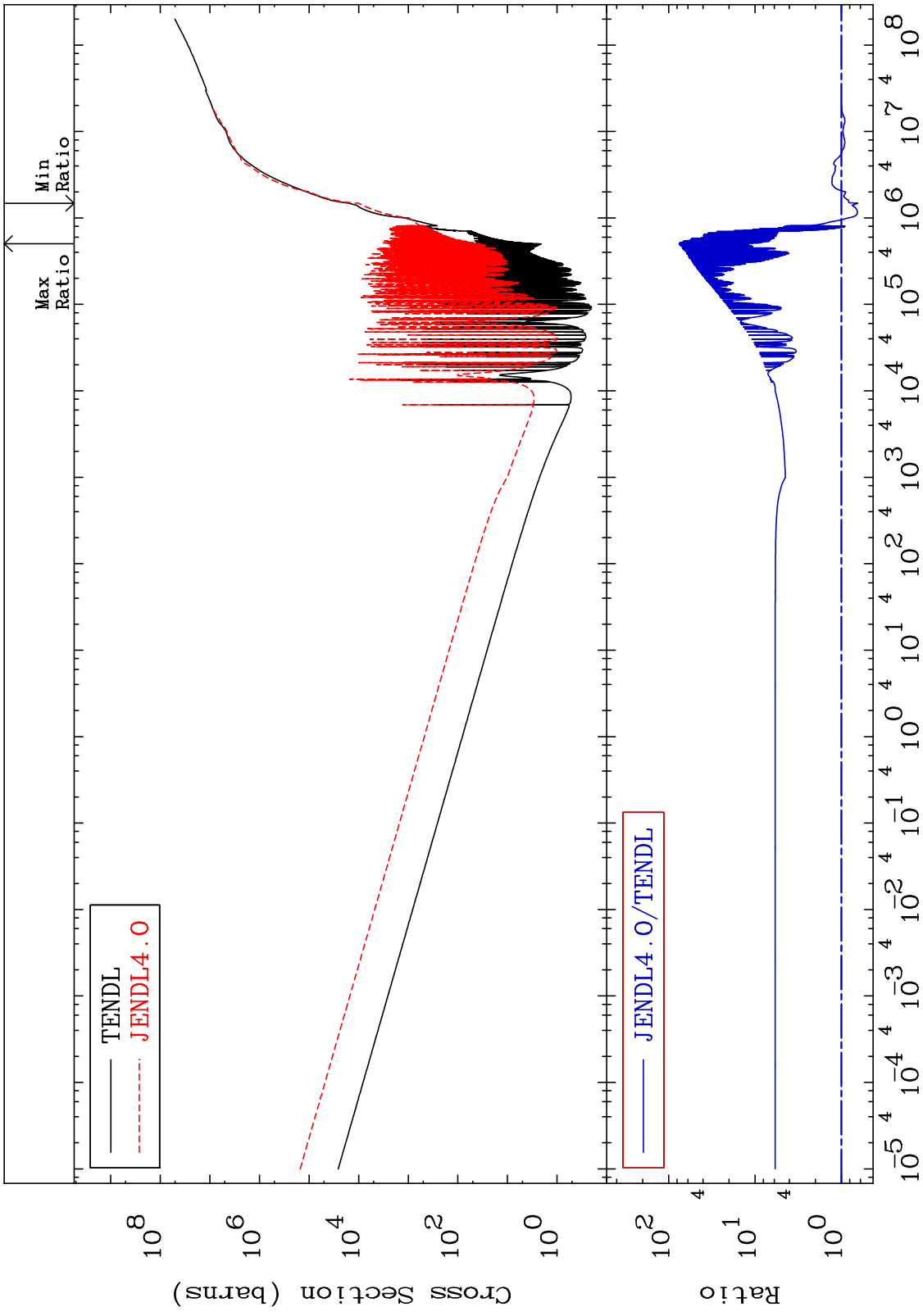
MAT 2825

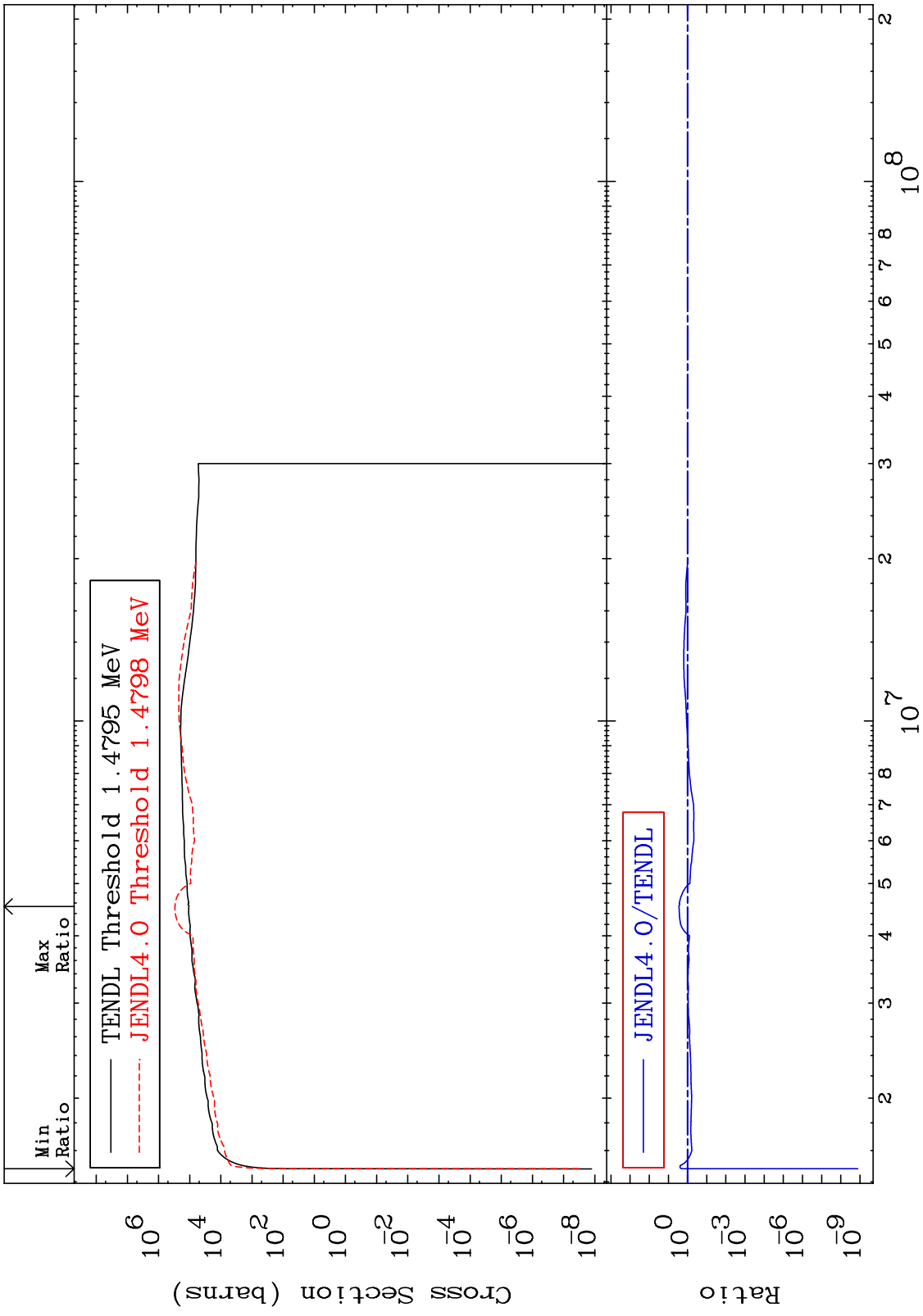
Kerma elastic
Cross Section

28-Ni-58
-73.94 To 624.6 %



MAT 2825 Kerma non-elastic (all but mt2) 28-Ni-58
 Cross Section -35.60 To 7492. %

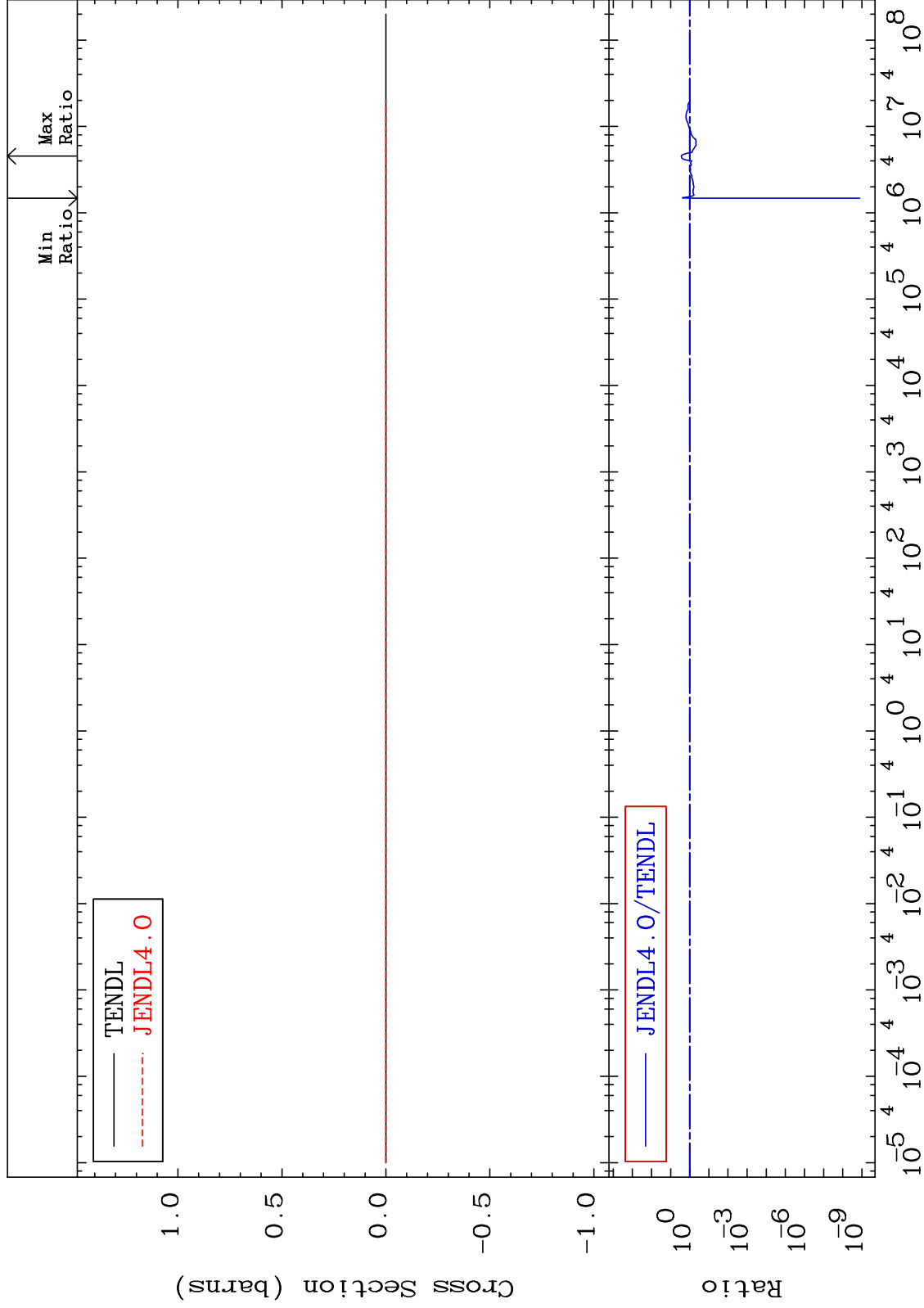




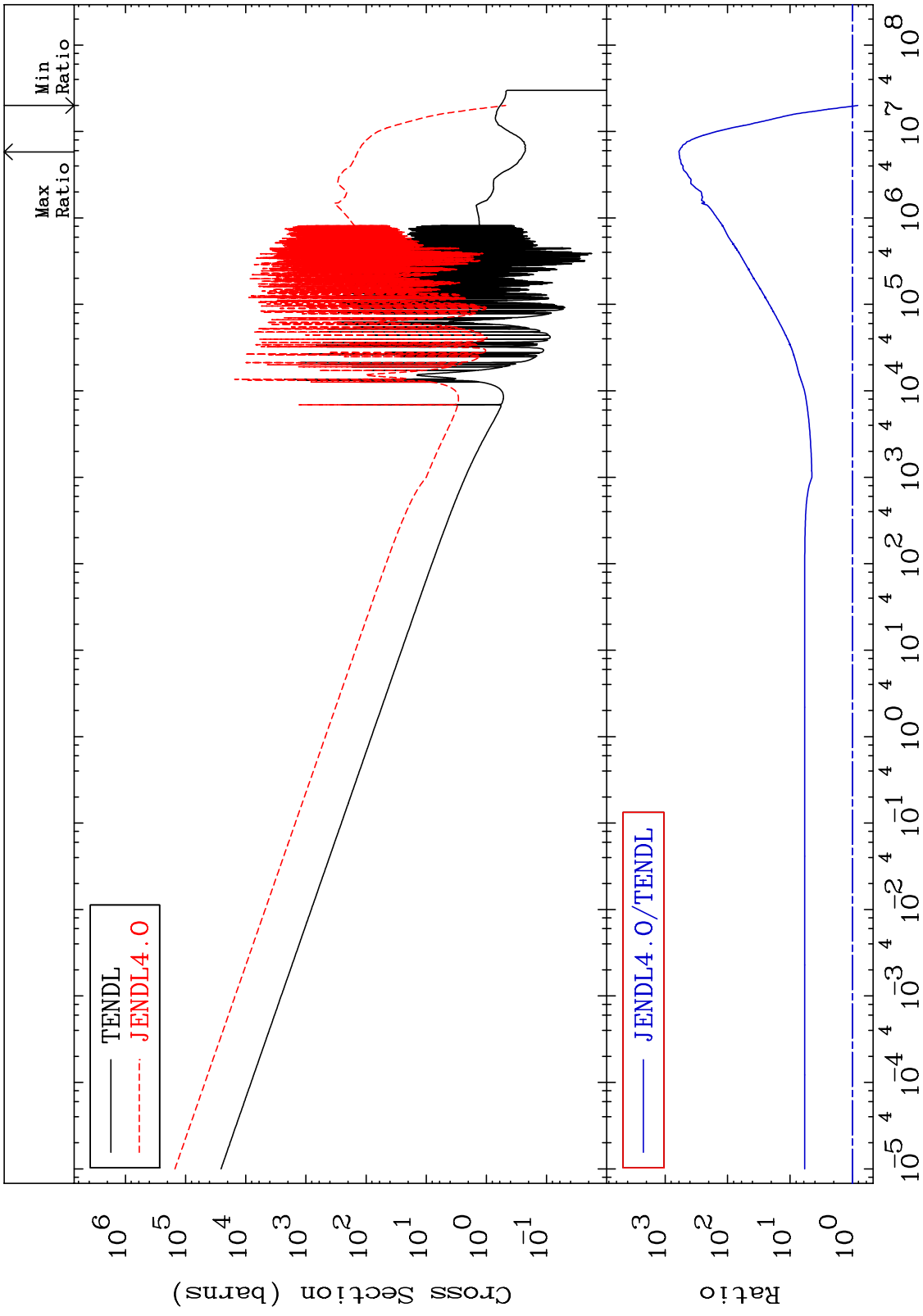
MAT 2825

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

28-Ni-58
-100.0 To 178.1 %

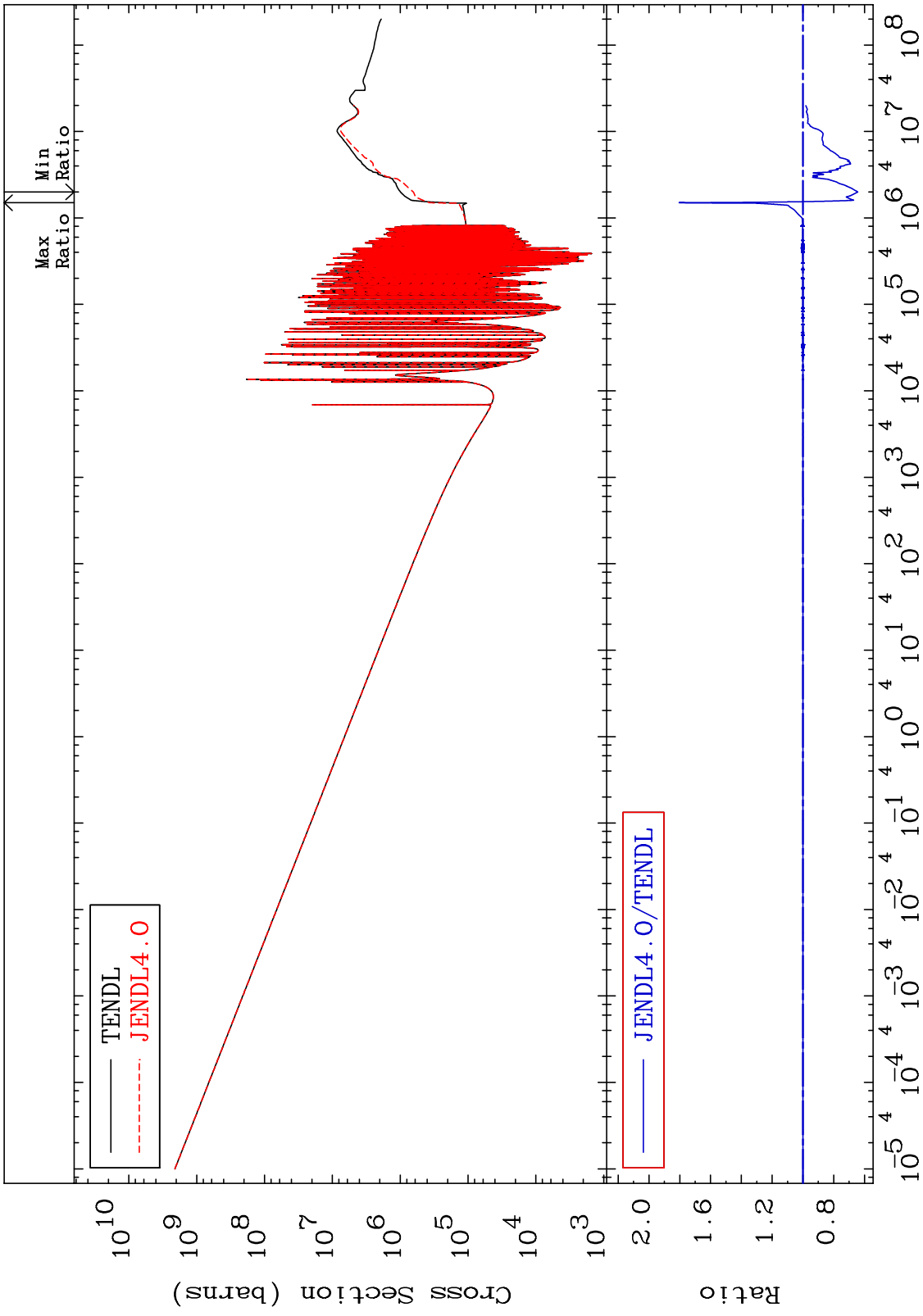


MAT 2825 Kerma capture (mt102) 28-Ni-58
 Cross Section -18.07 To 9999. %

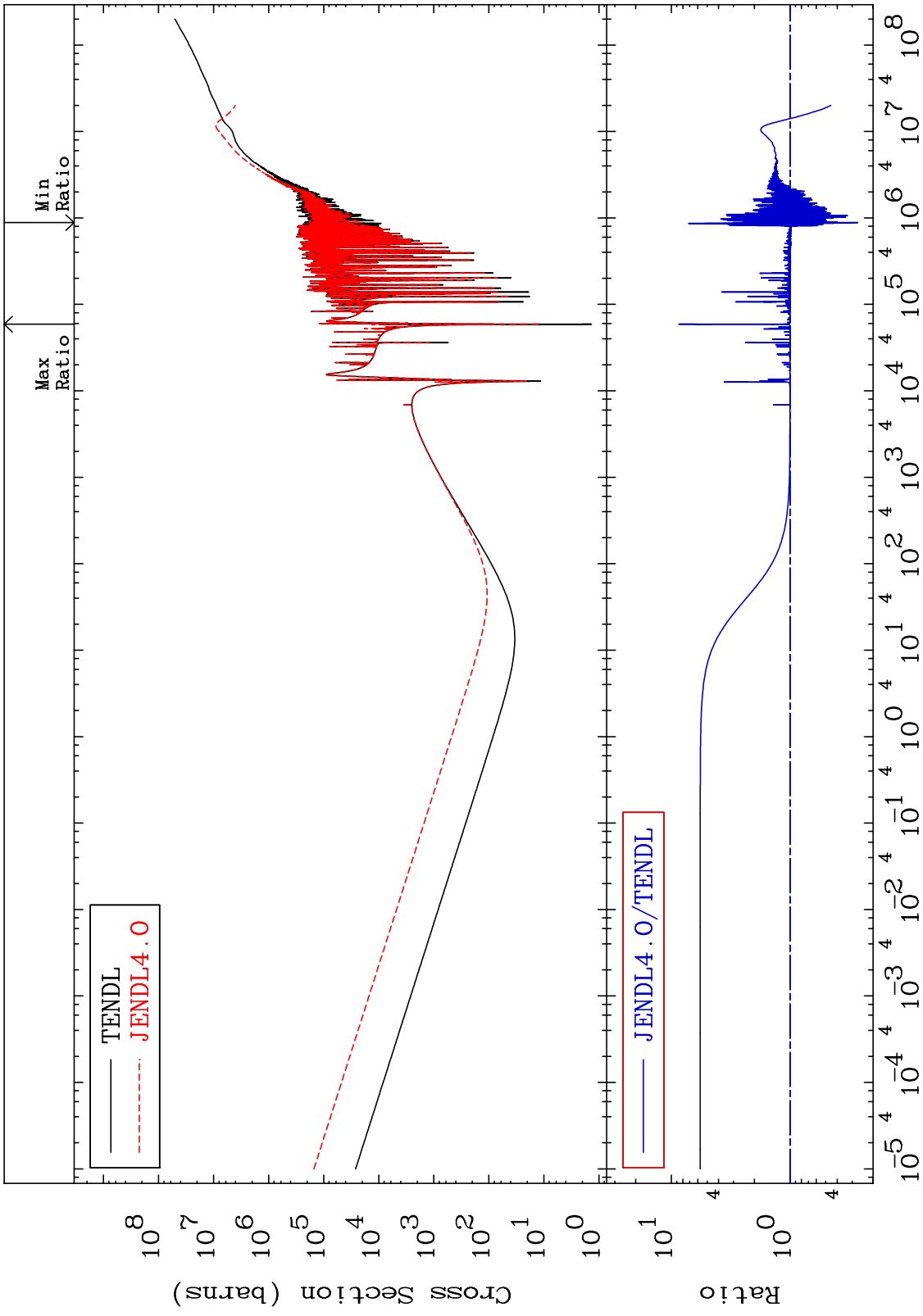


40 Incident Energy (eV) 28-Ni-58

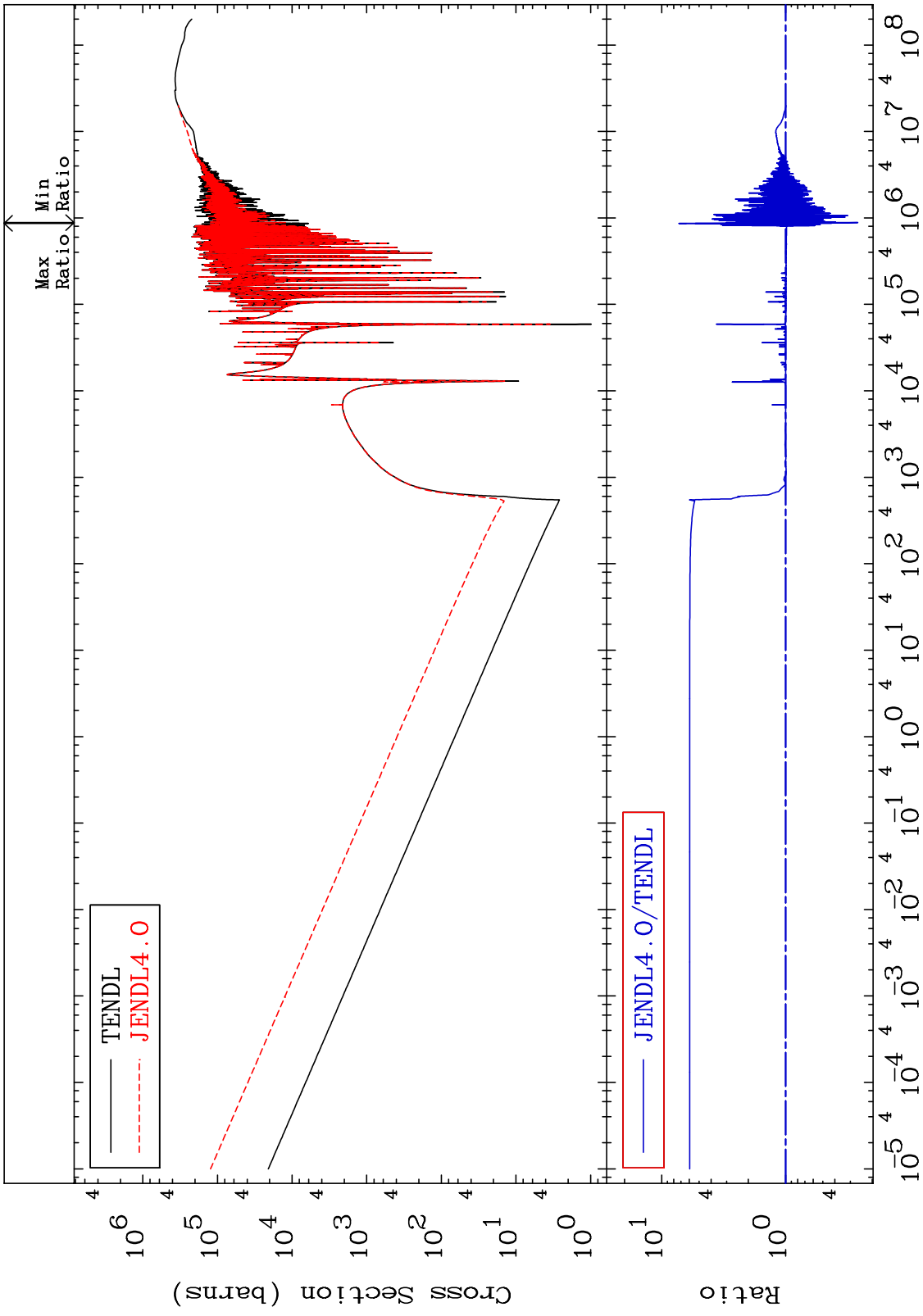
MAT 2825 Total photon (eV-barns) 28-Ni-58
Cross Section -35.66 To 80.45 %



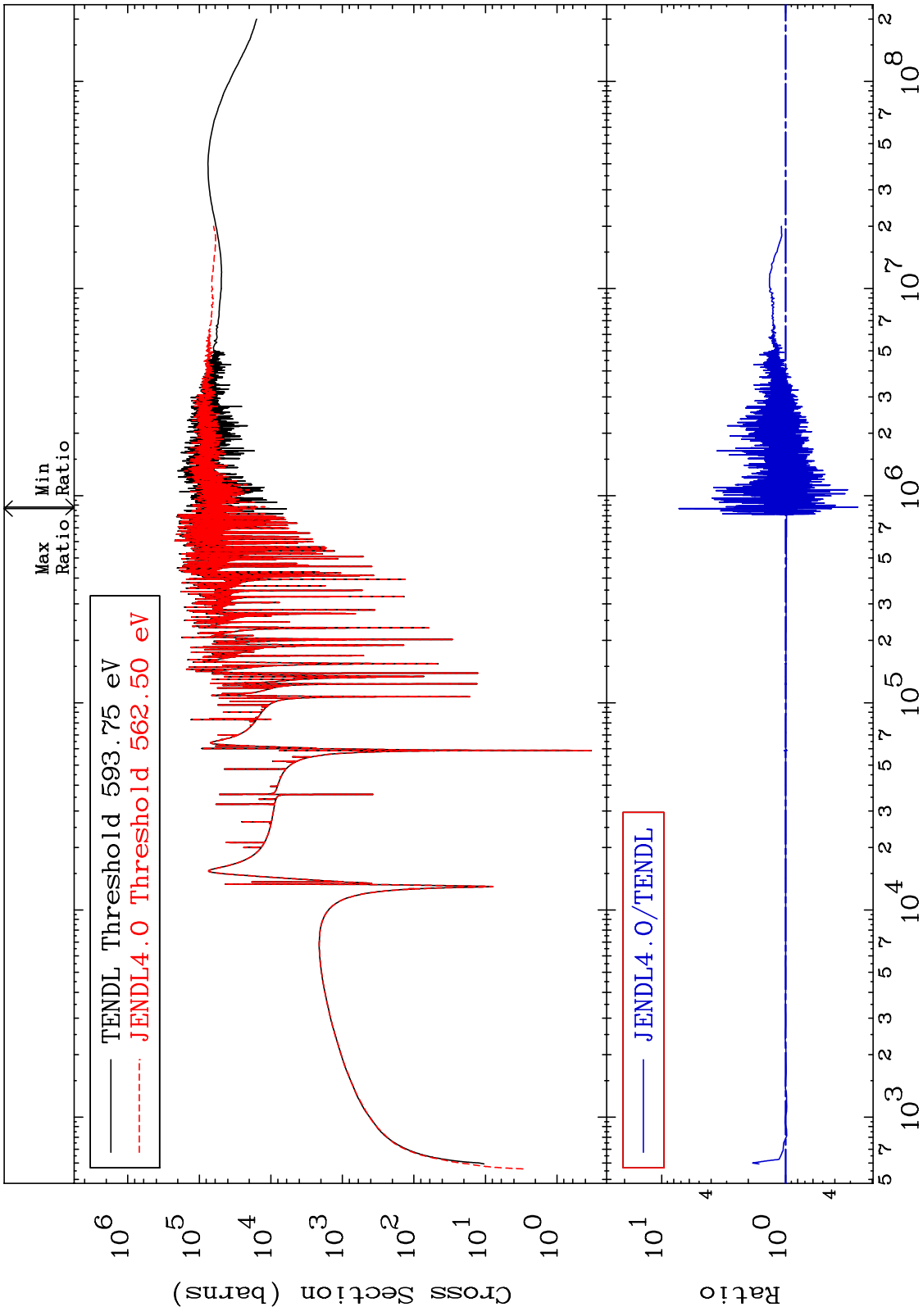
MAT 2825 Total kinematic kerma (high limit) 28-Ni-58
 Cross Section -73.22 To 762.2 %

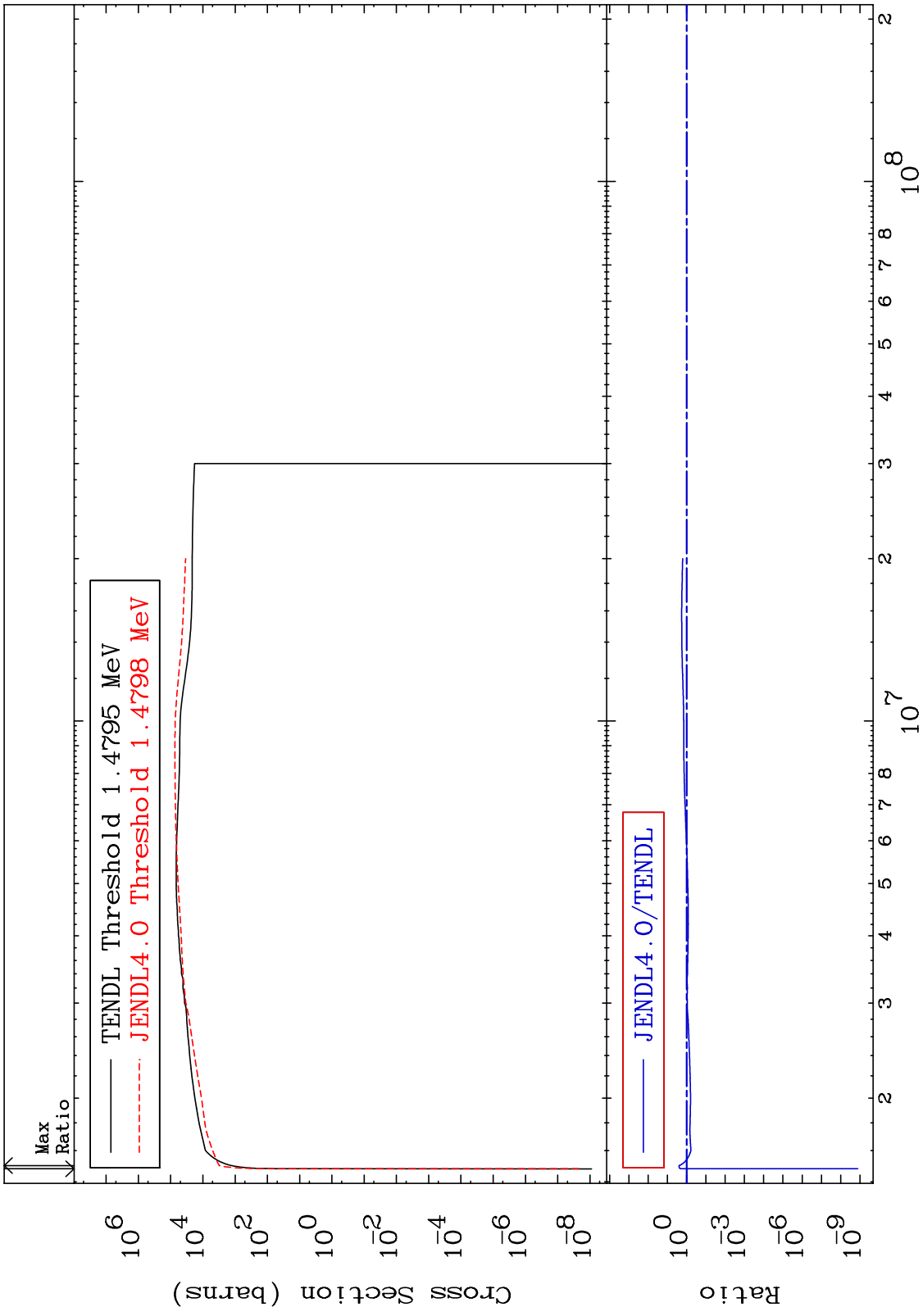


MAT 2825 Dpa total (eV-barns) 28-Ni-58
 Cross Section -73.88 To 625.3 %

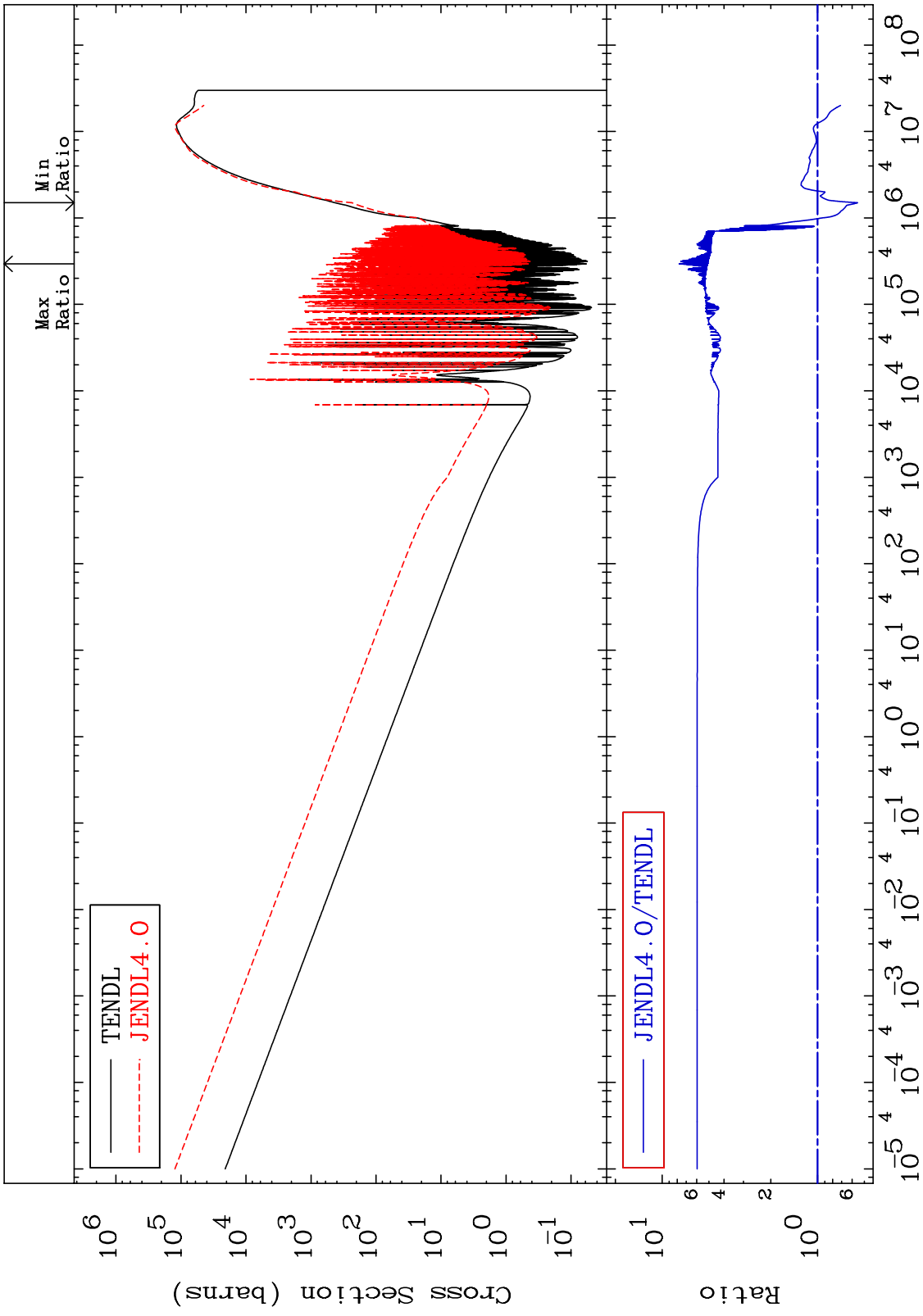


MAT 2825 Dpa elastic (mt2) 28-Ni-58
 -73.90 To 625.8 %

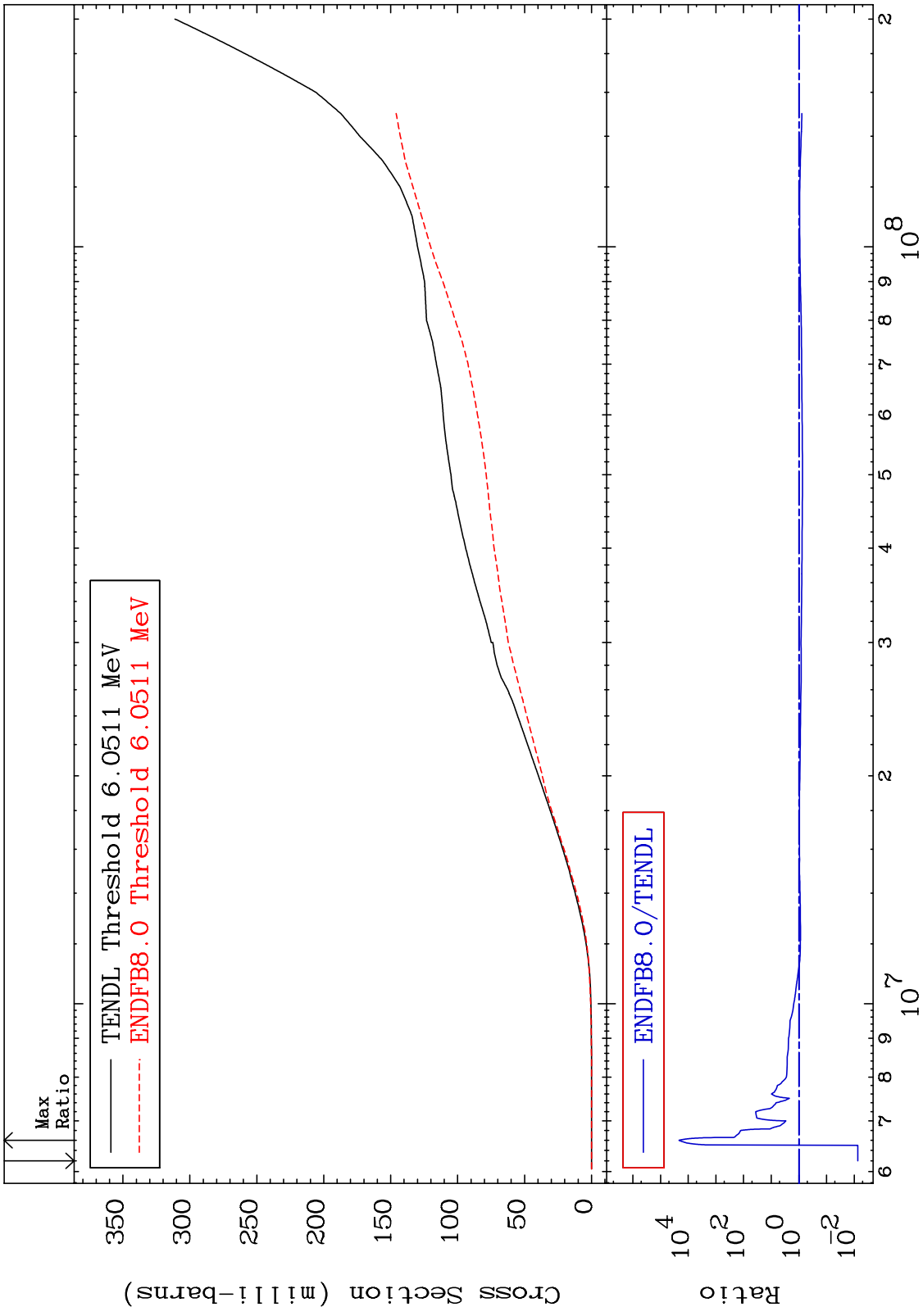




MAT 2825 Dpa disappearance (mt102 -120) 28-Ni-58
Cross Section -44.90 To 678.3 %



MAT 2825 Deuterium Production Cross Section 28-Ni-58 -99.26 To 9999. %

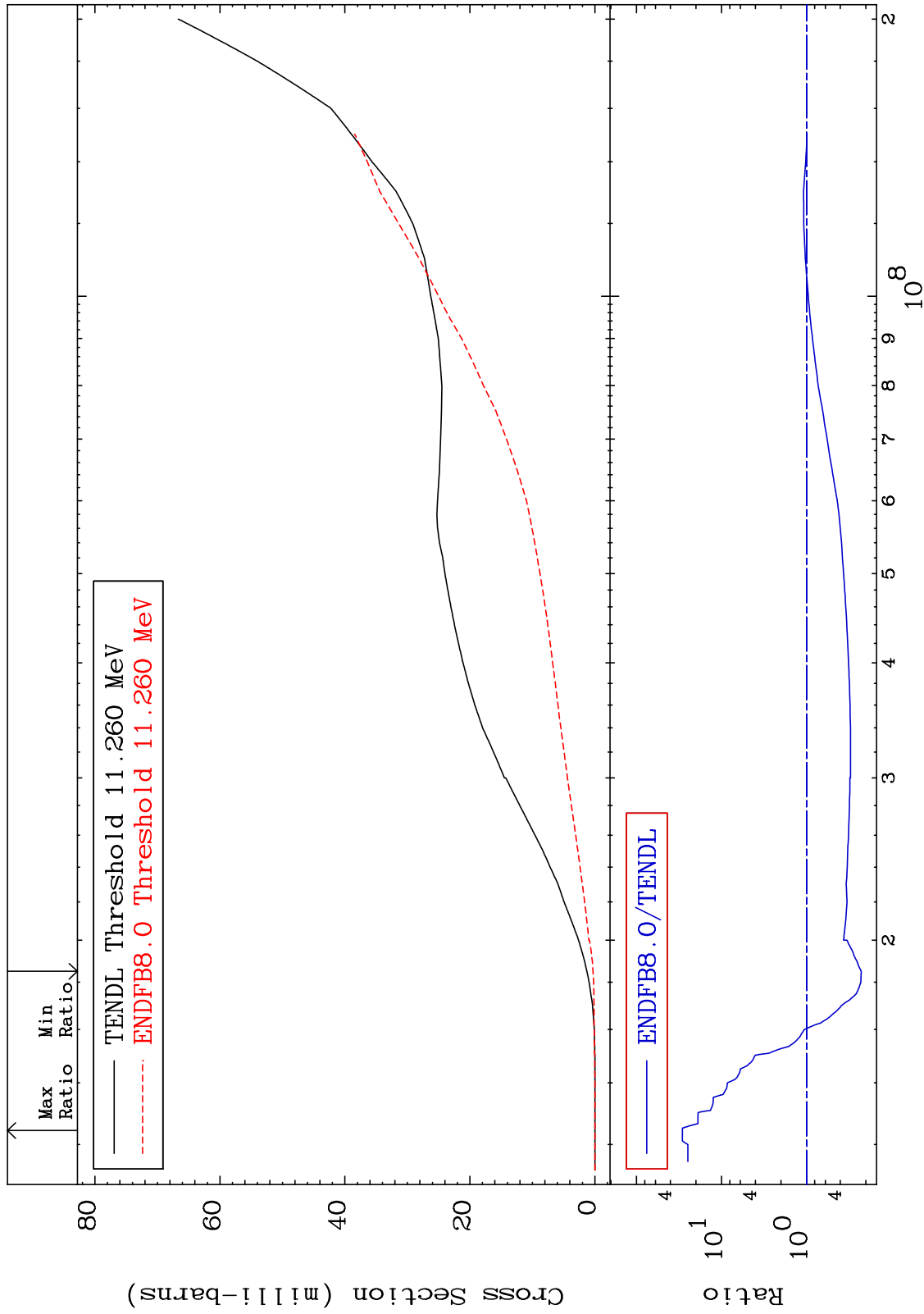


47 28-Ni-58 Incident Energy (eV)

MAT 2825

Tritium Production
Cross Section

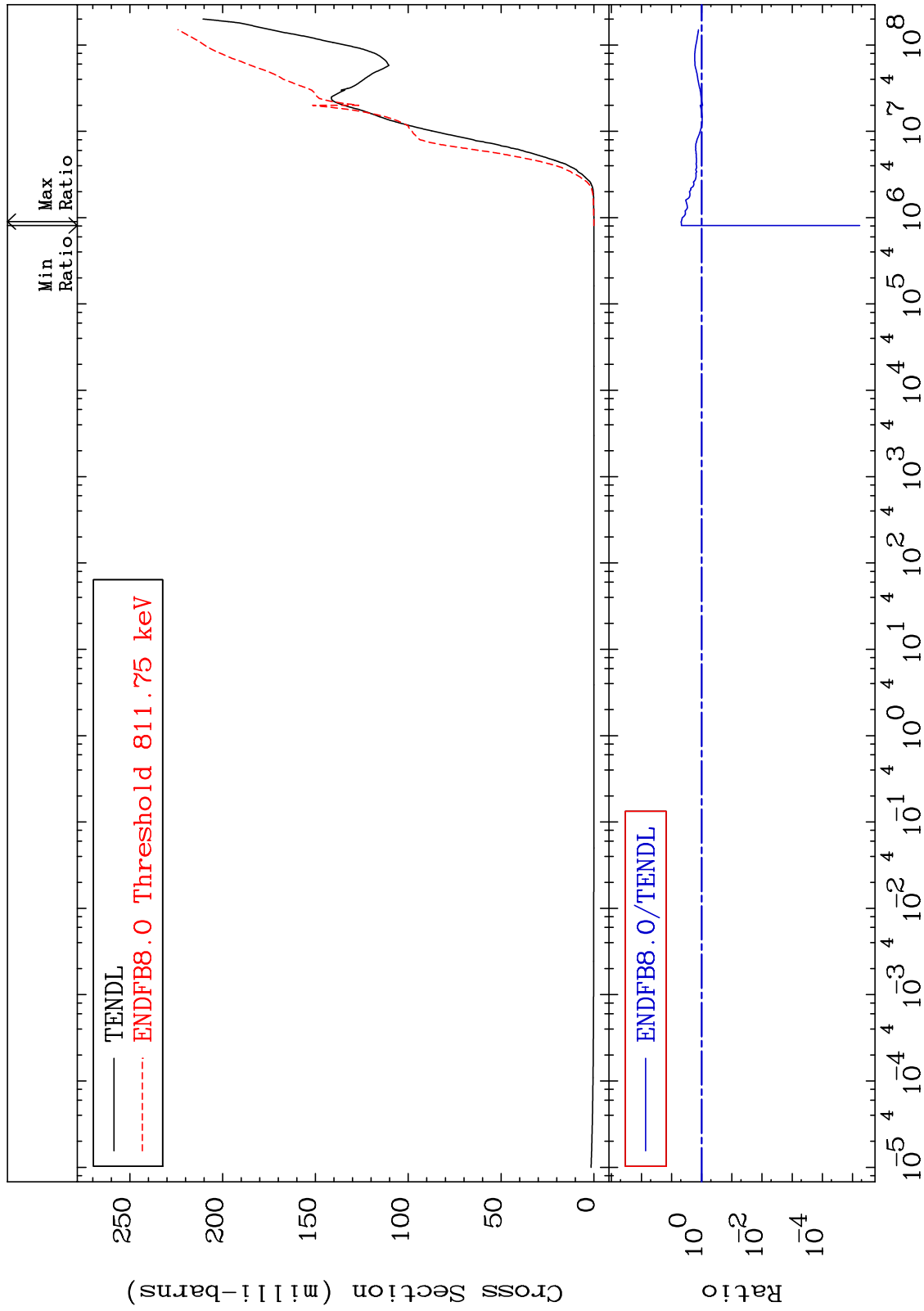
28-Ni-58
-77.32 To 2782. %



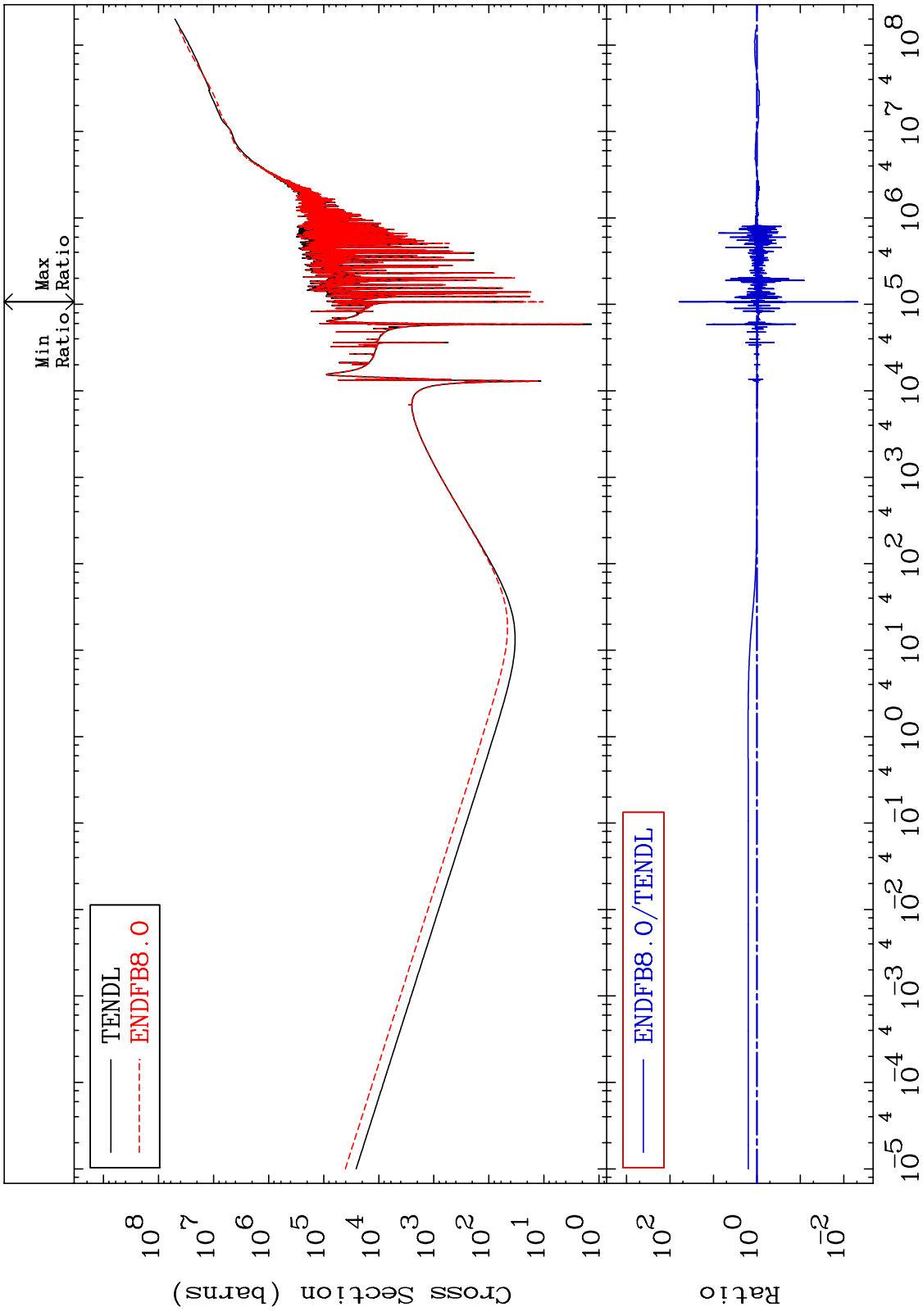
MAT 2825

He-4 Production
Cross Section

28-Ni-58
-100.0 To 380.2 %



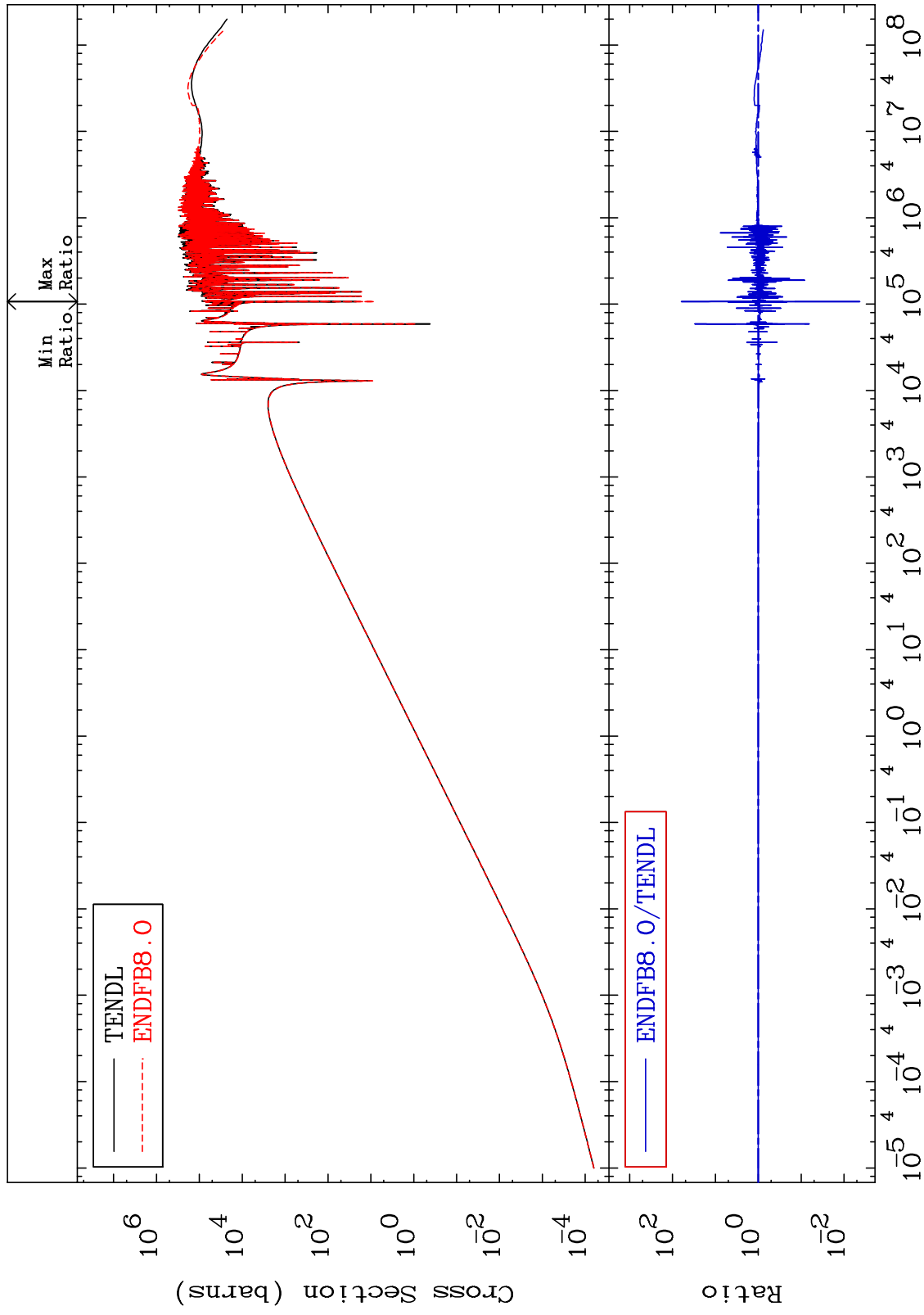
MAT 2825 Kerma total (eV-barns) 28-Ni-58
 Cross Section -99.52 To 6069. %



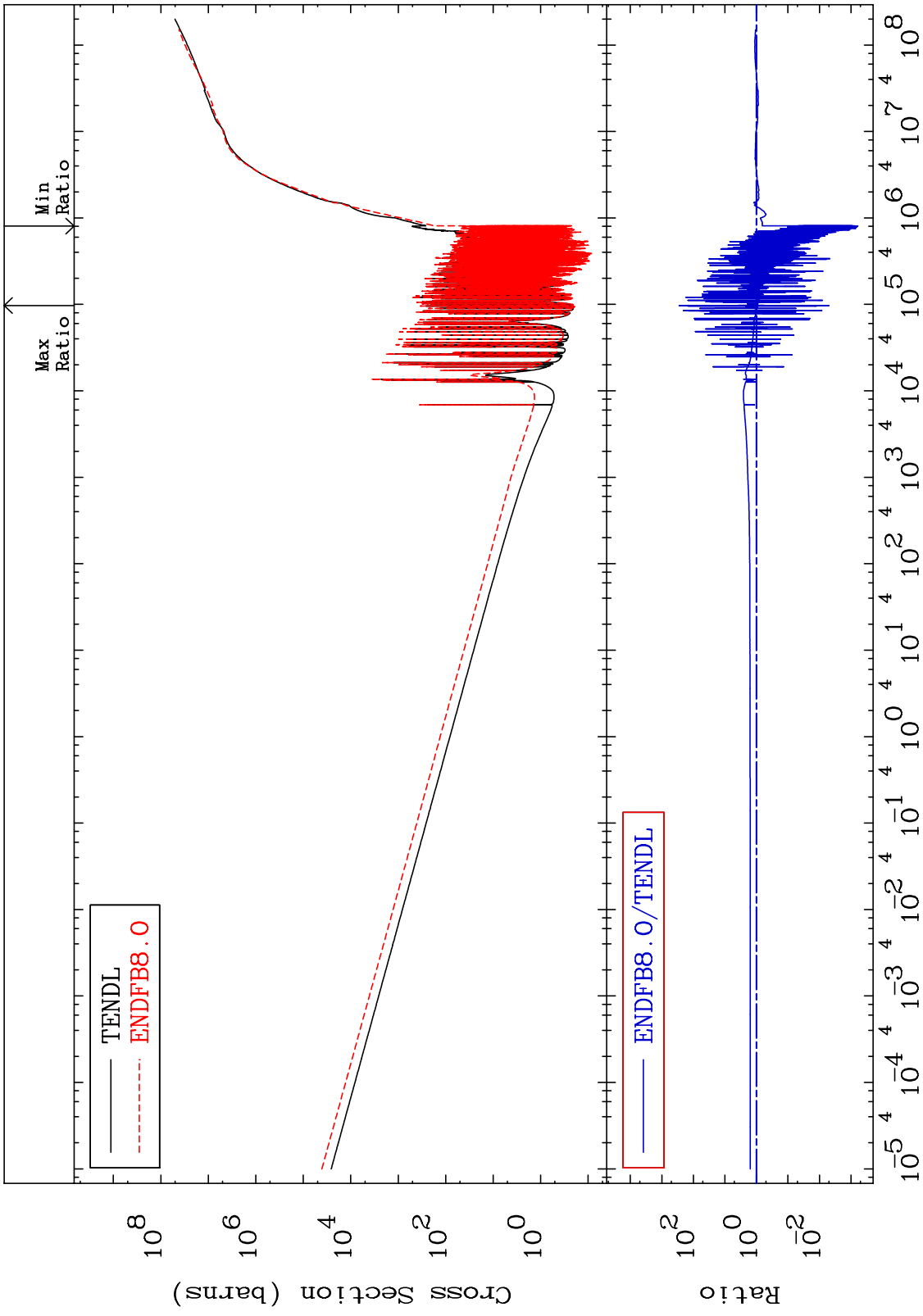
MAT 2825

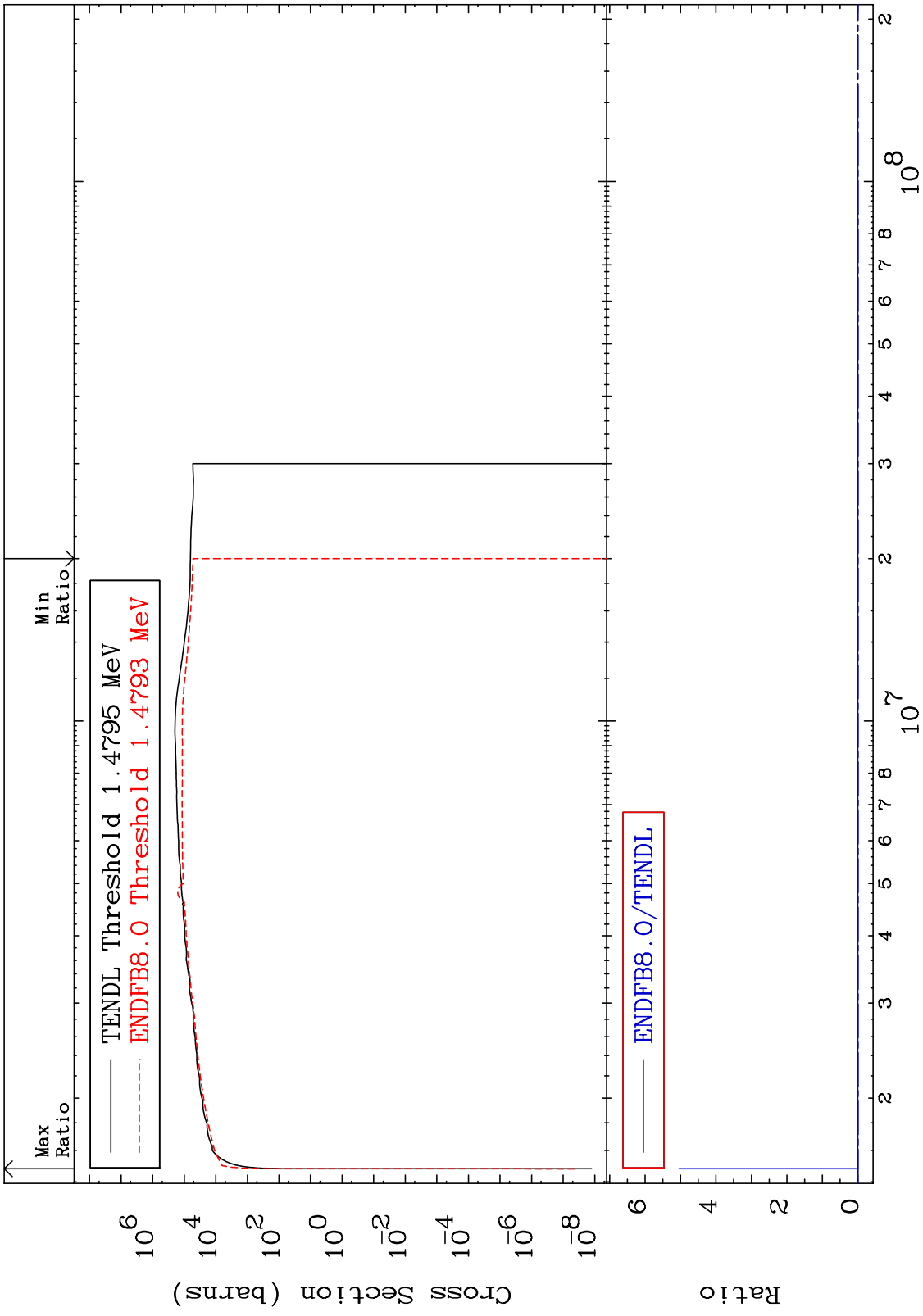
Kerma elastic
Cross Section

28-Ni-58
-99.57 To 6161. %



MAT 2825 Kerma non-elastic (all but mt2) 28-Ni-58
 Cross Section -99.94 To 9999. %

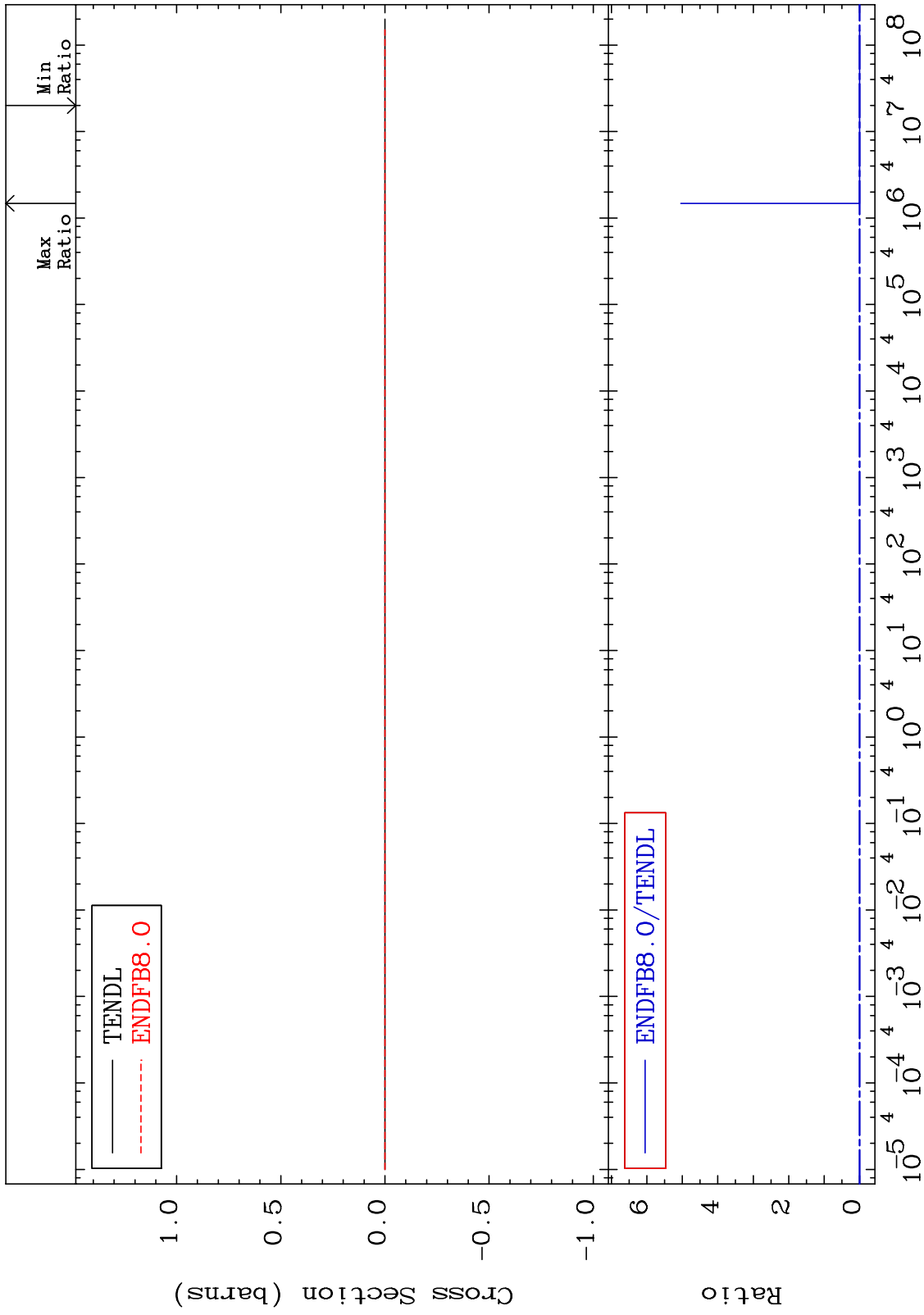




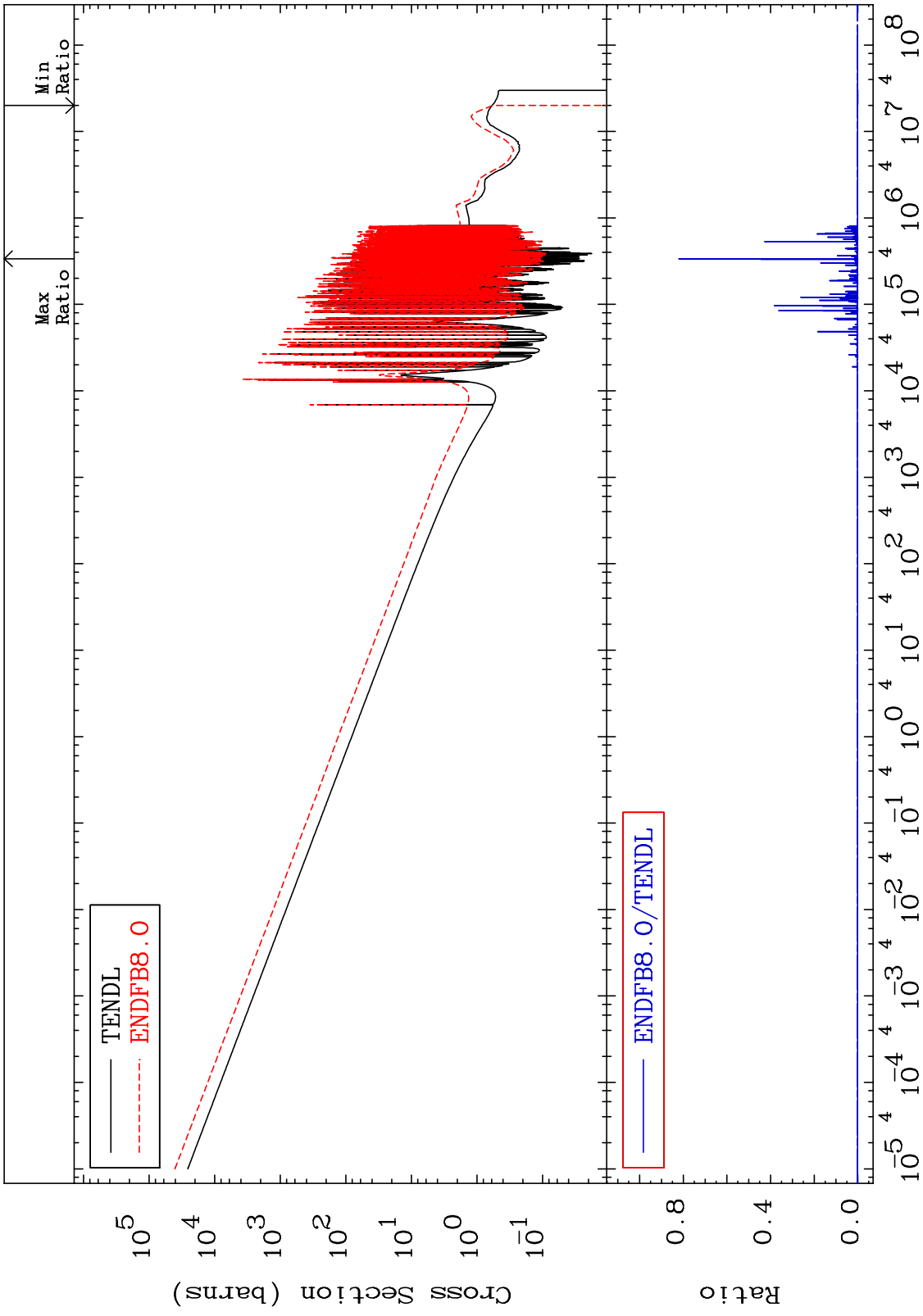
MAT 2825

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

28-Ni-58
-100.0 To 9999. %



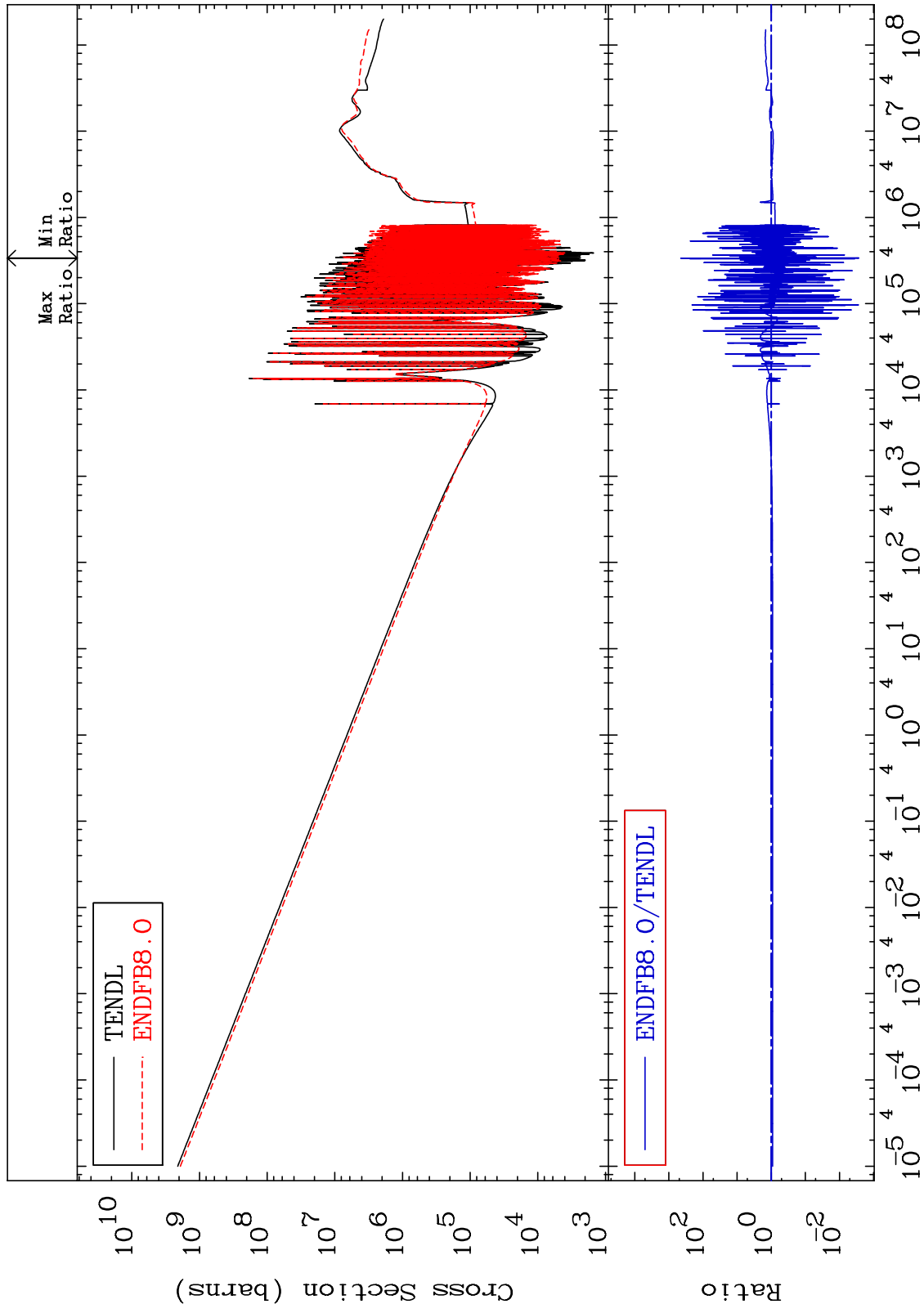
MAT 2825 Kerma capture (mt102) 28-Ni-58
Cross Section -100.0 To 9999. %



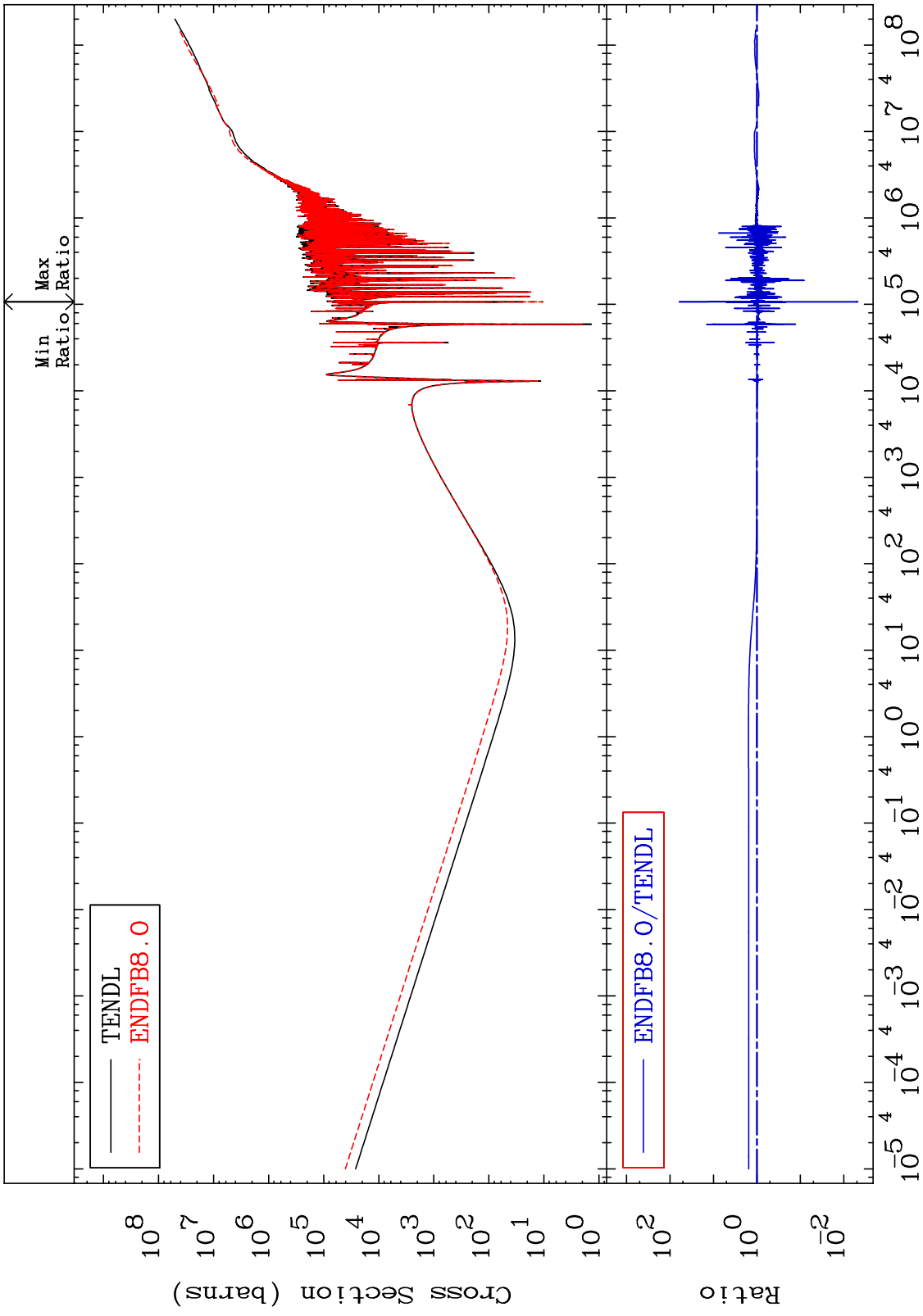
MAT 2825

Total photon (eV-barns)
Cross Section

28-Ni-58
-99.73 To 9999. %



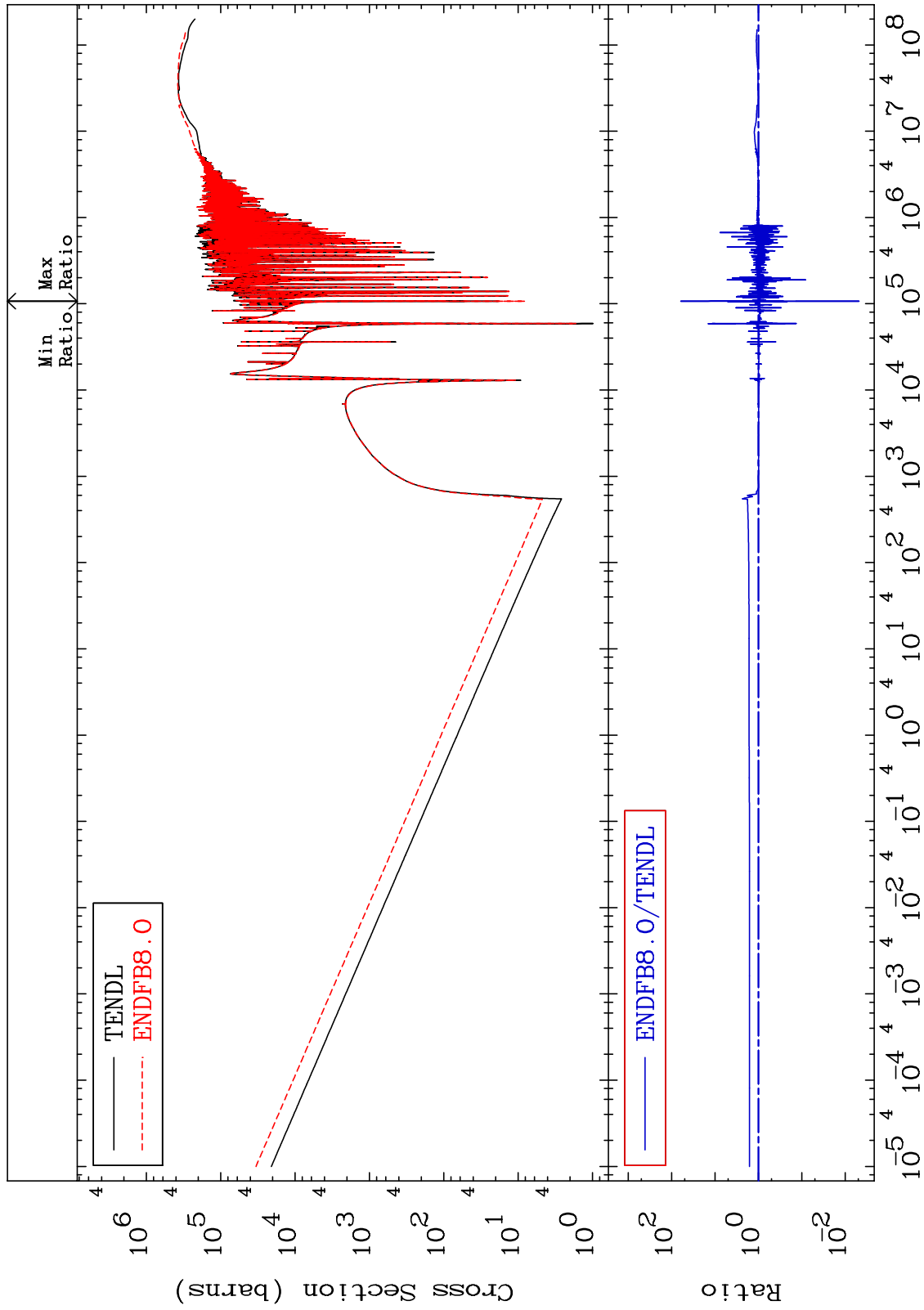
MAT 2825 Total kinematic kerma (high limit) 28-Ni-58
Cross Section -99.52 To 6069. %



MAT 2825

Dpa total (eV-barns)
Cross Section

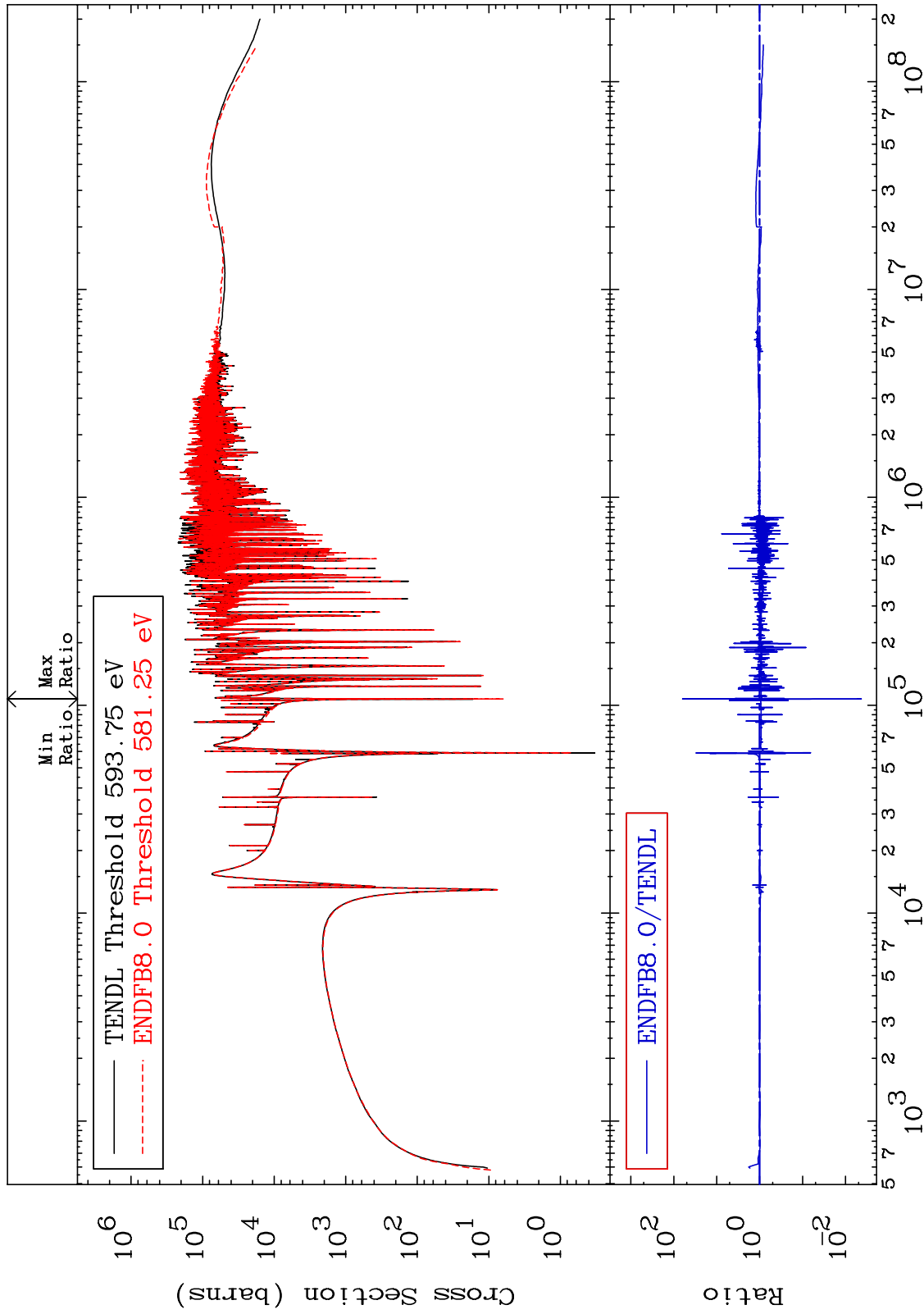
28-Ni-58
-99.52 To 6091. %



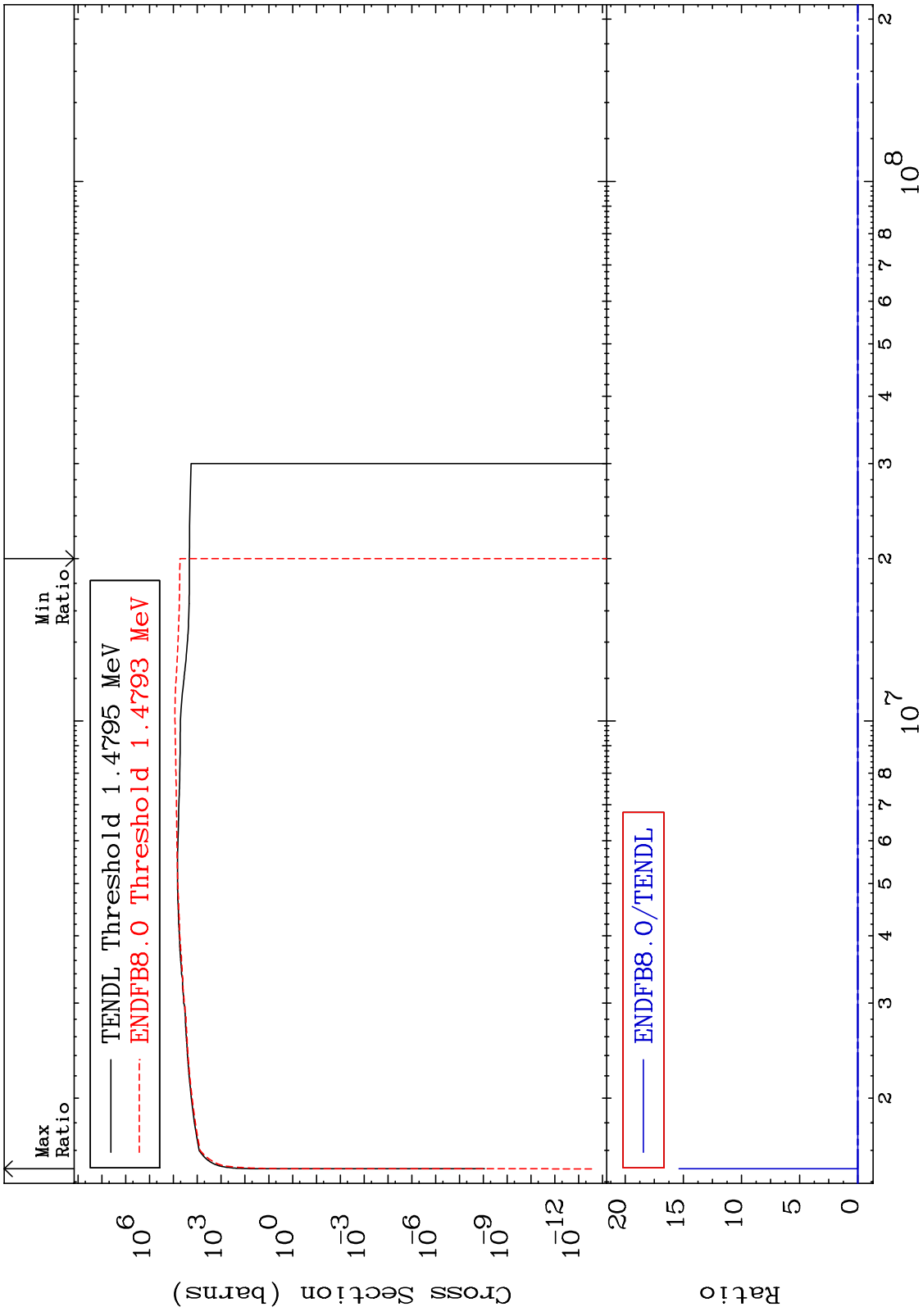
MAT 2825

Dpa elastic (mt2)
Cross Section

28-Ni-58
-99.57 To 6173. %



MAT 2825 Dpa inelastic (mt51-91) 28-Ni-58
 Cross Section -100.0 To 9999. %



60 Incident Energy (eV) 28-Ni-58

MAT 2825 Dpa disappearance (mt102 -120) 28-Ni-58
 Cross Section -100.0 To 9999. %

