

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

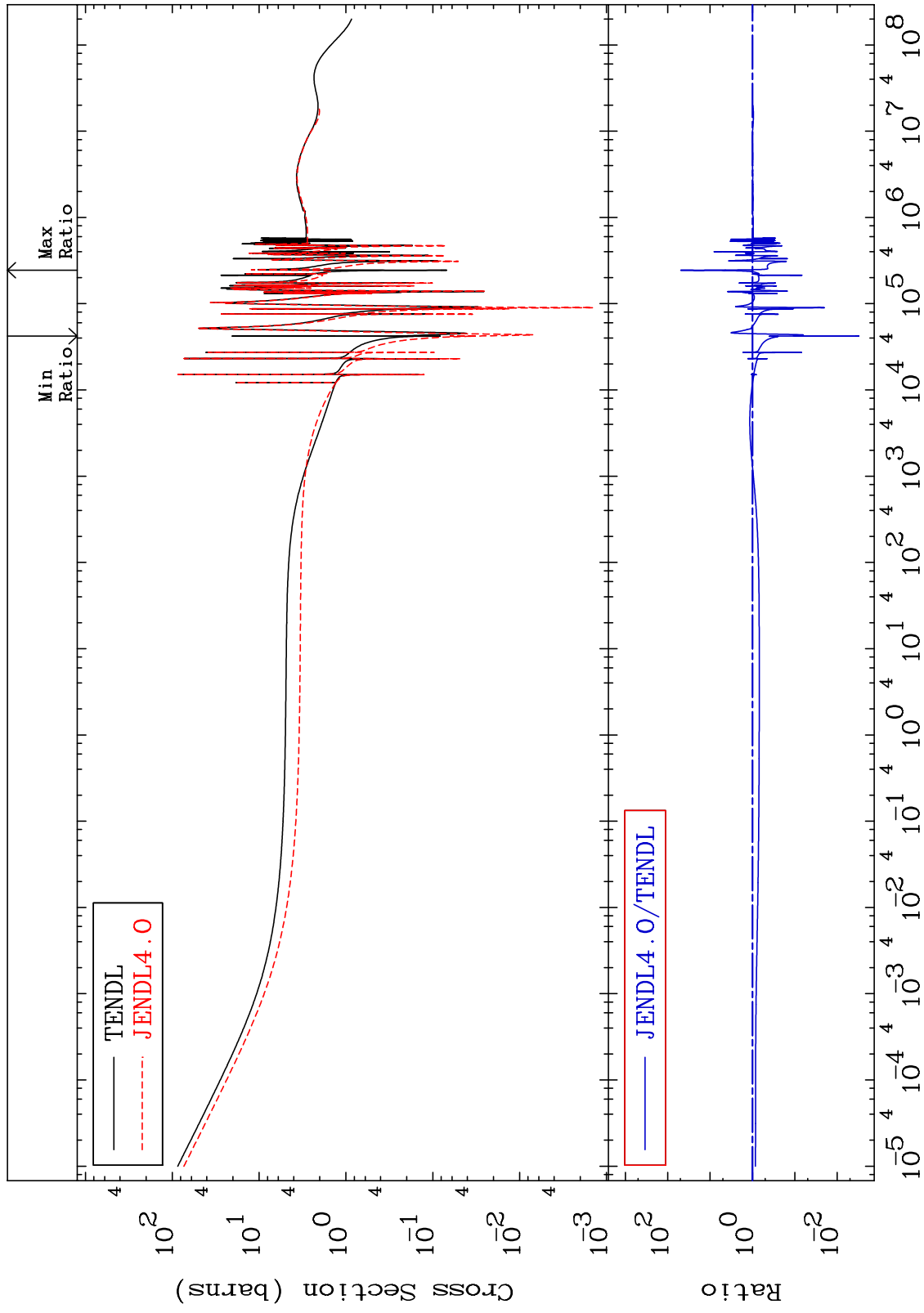
MAT 2037

Total

20-Ca-44

Cross Section

-99.69 To 4848. %



1

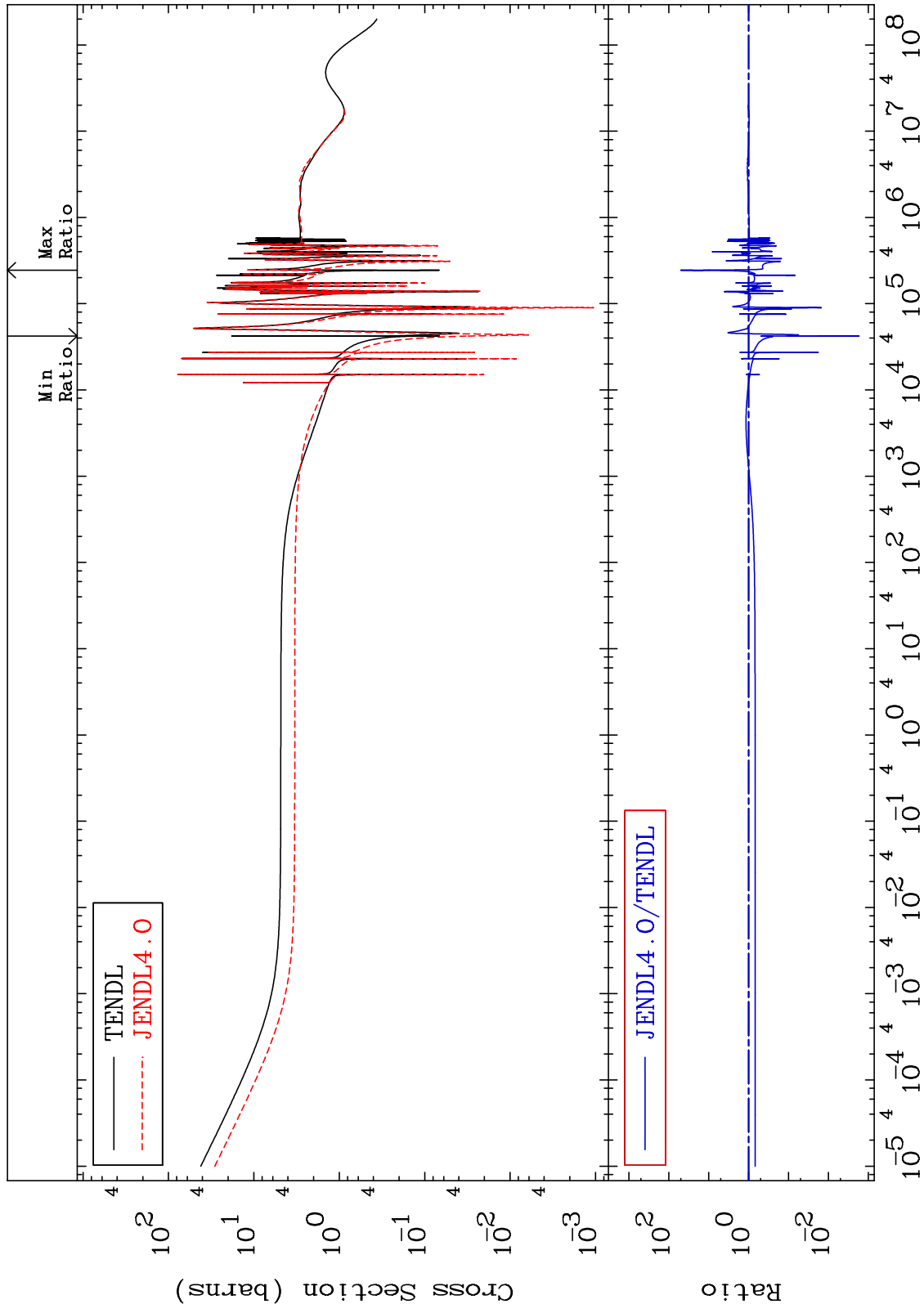
Incident Energy (eV)

20-Ca-44

MAT 2037

Elastic  
Cross Section

20-Ca-44  
-99.83 To 4928. %



2

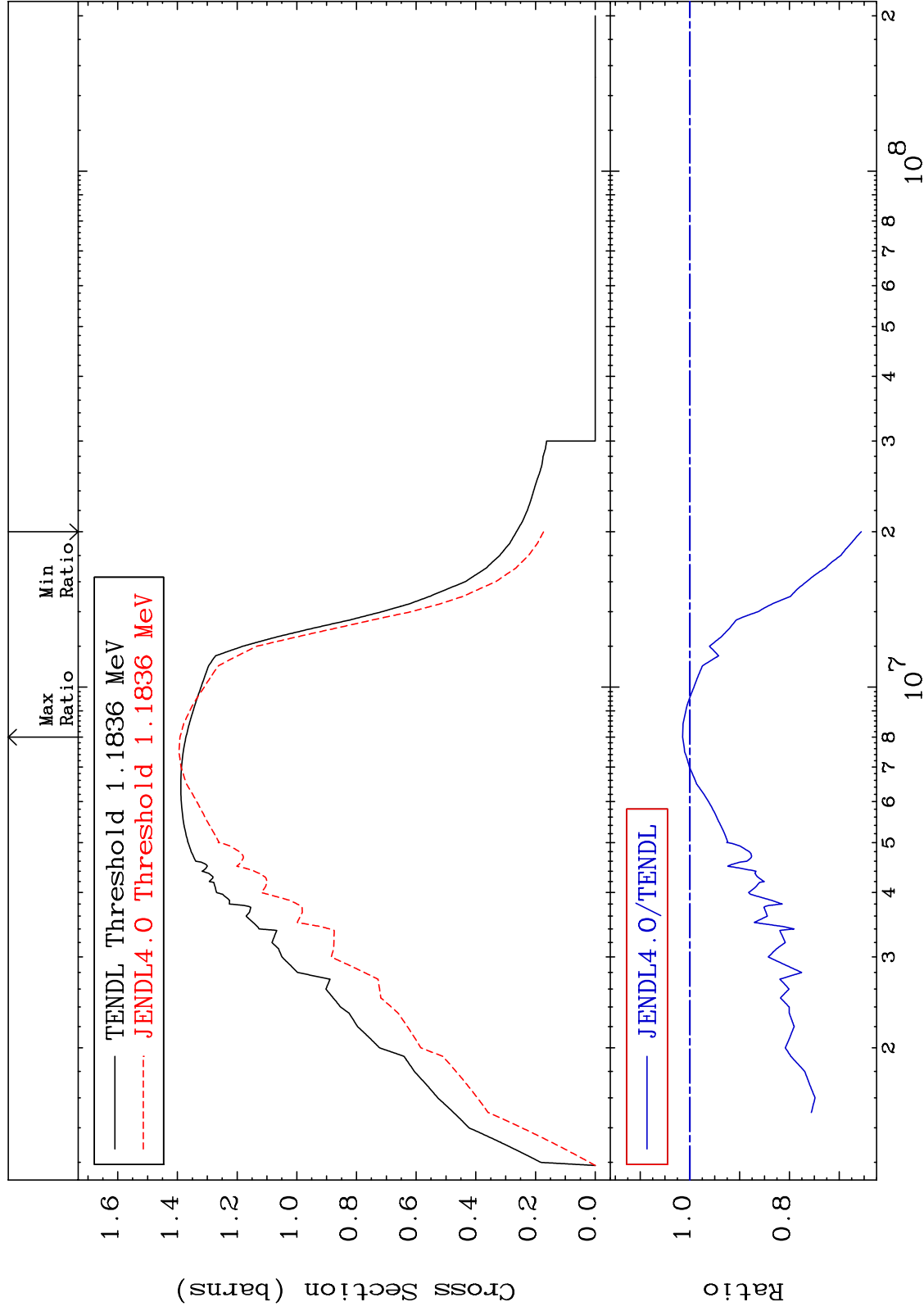
Incident Energy (eV)

20-Ca-44

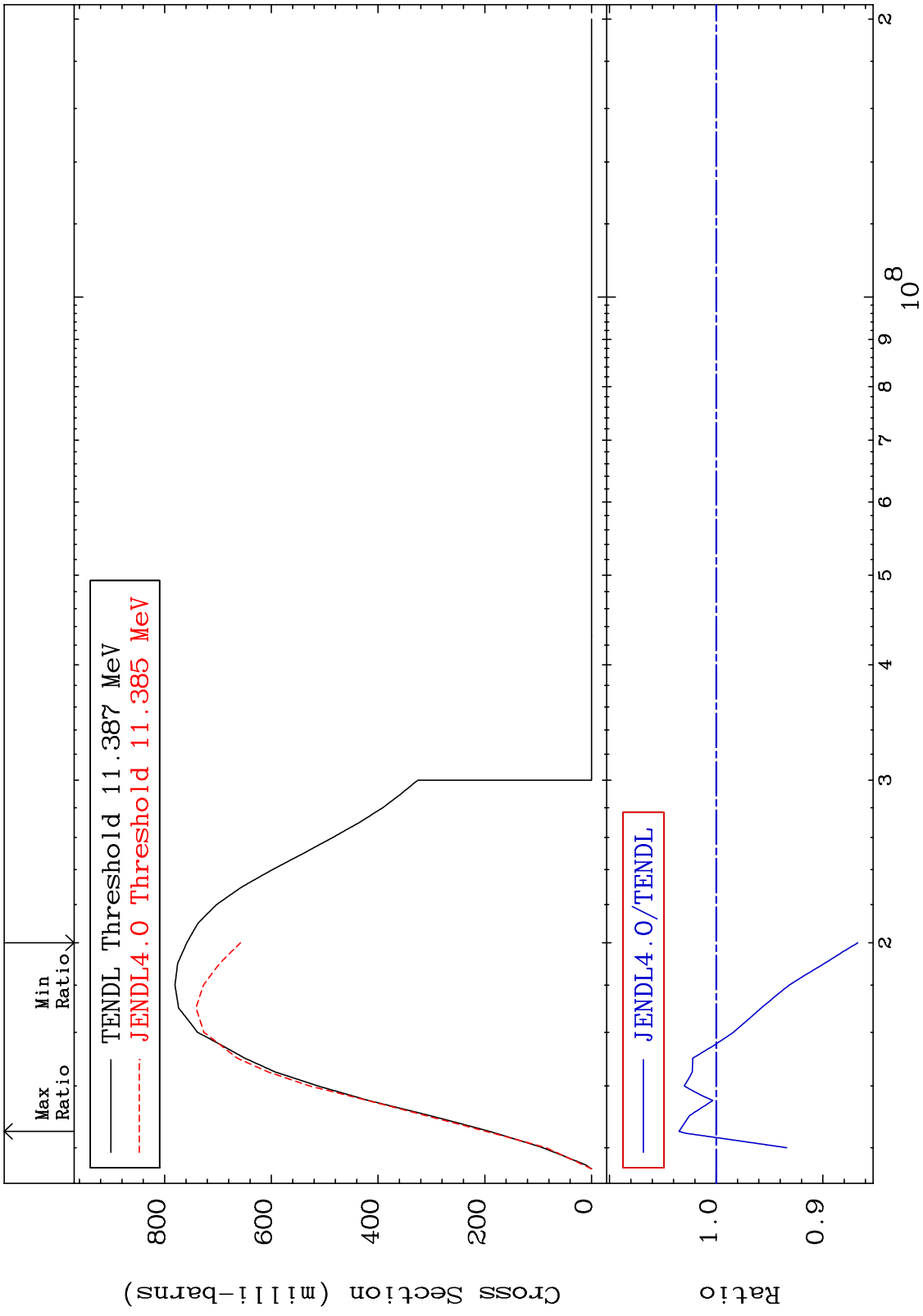
MAT 2037

Inelastic  
Cross Section

20-Ca-44  
-34.44 To 1.453 %

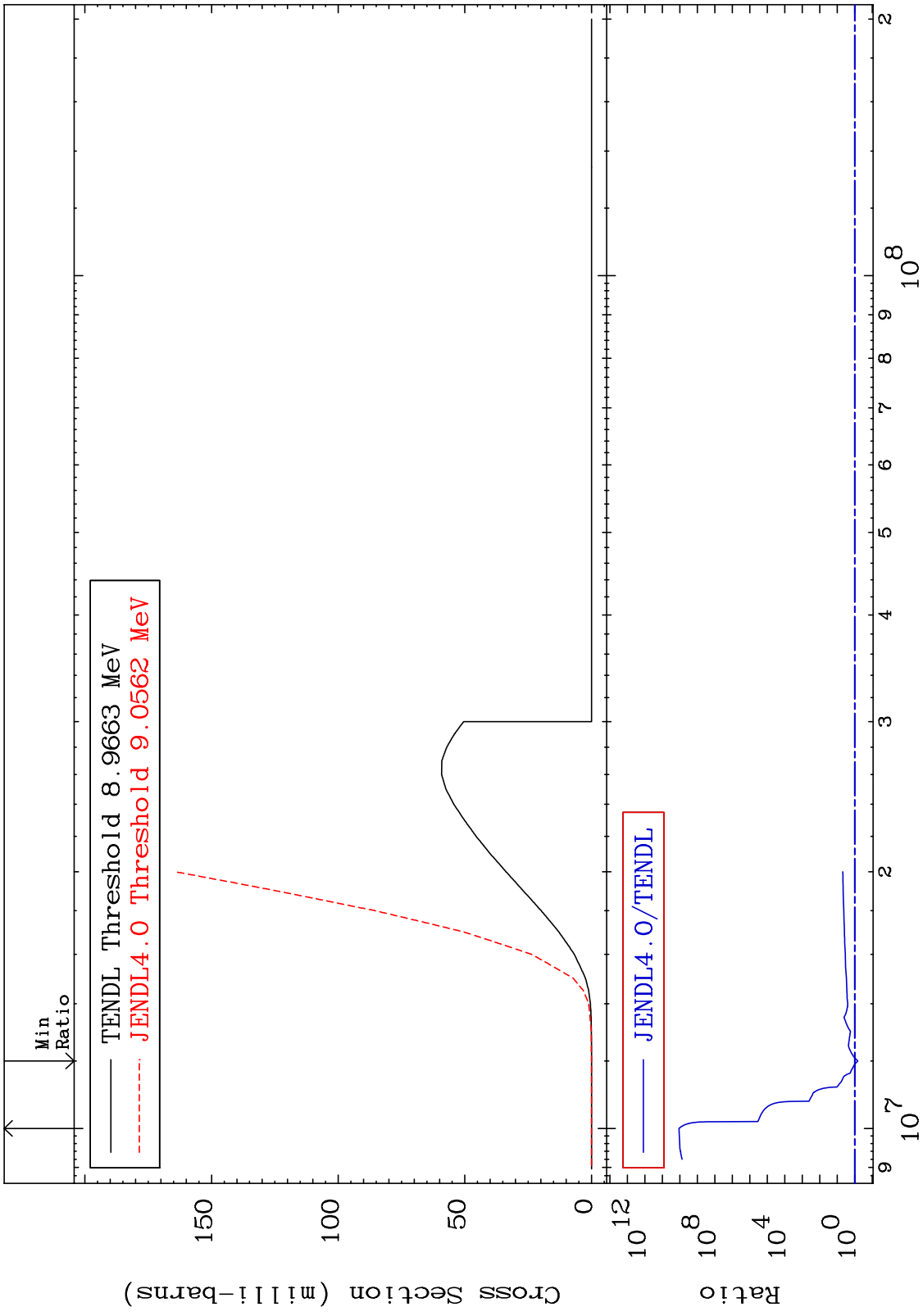


MAT 2037 (n,2n) Cross Section 20-Ca-44  
 -13.28 To 3.483 %

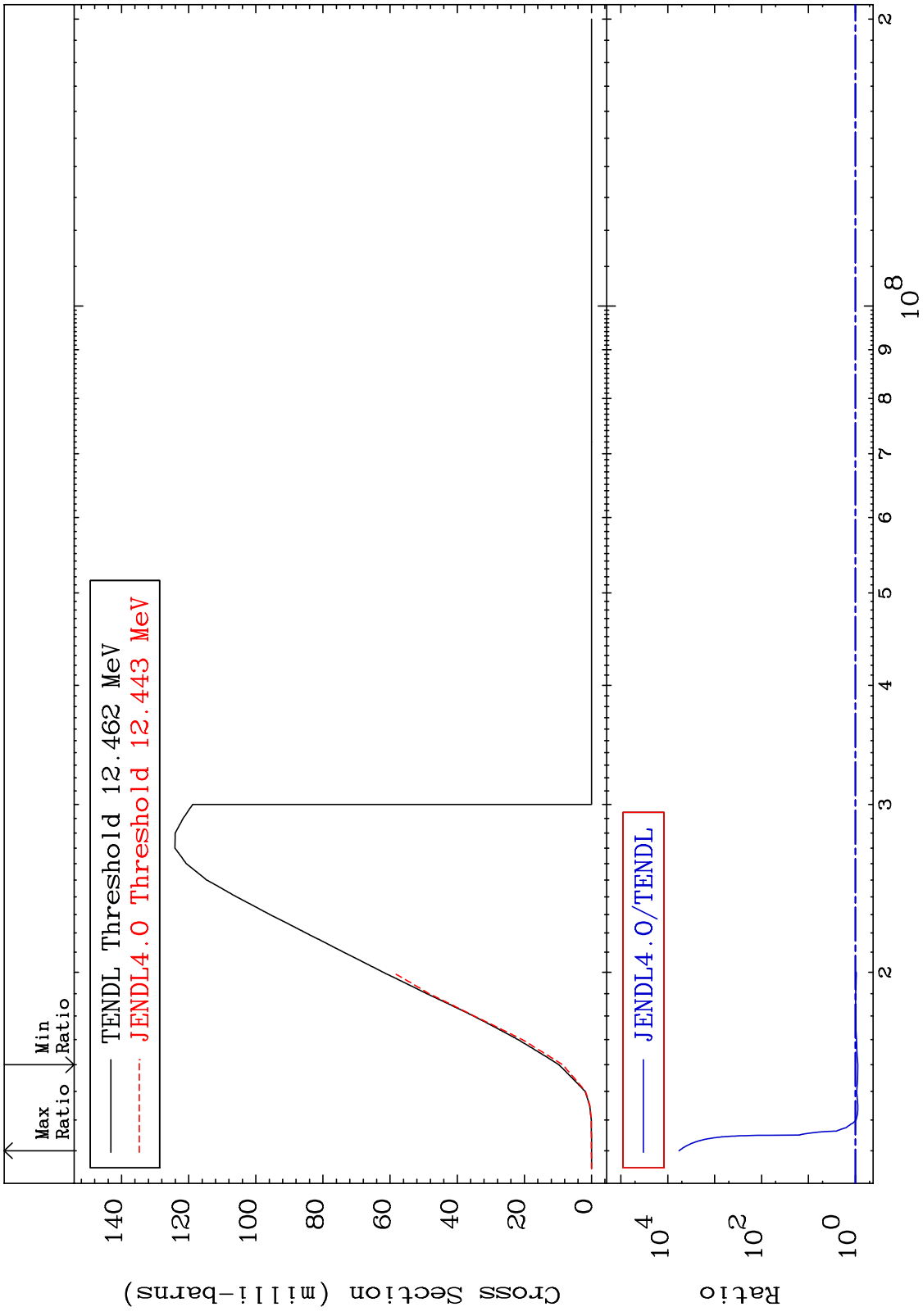


4 Incident Energy (eV) 20-Ca-44

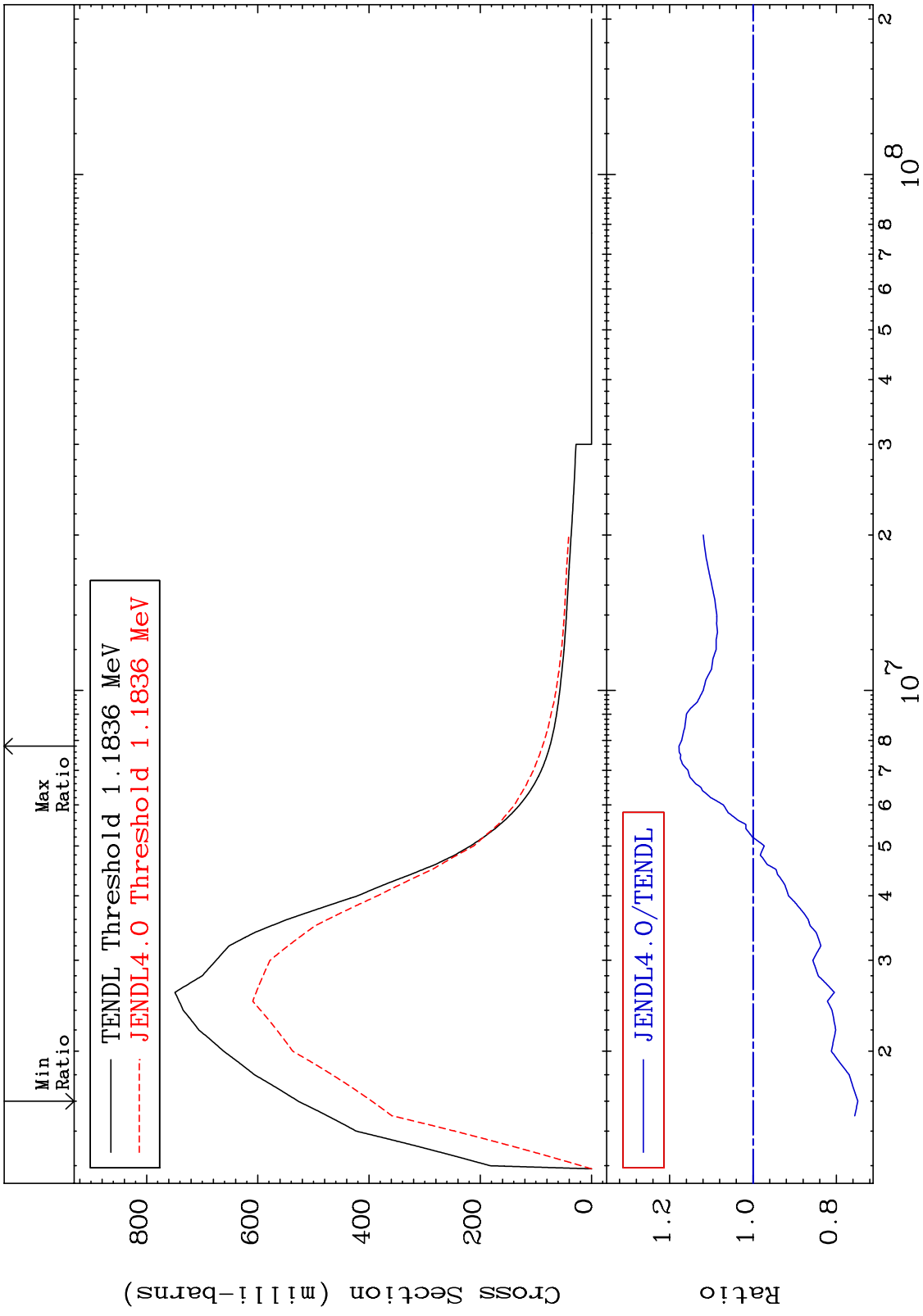
MAT 2037 (n,n')  $\alpha$  20-Ca-44  
Cross Section -32.84 To 9999. %



20-Ca-44

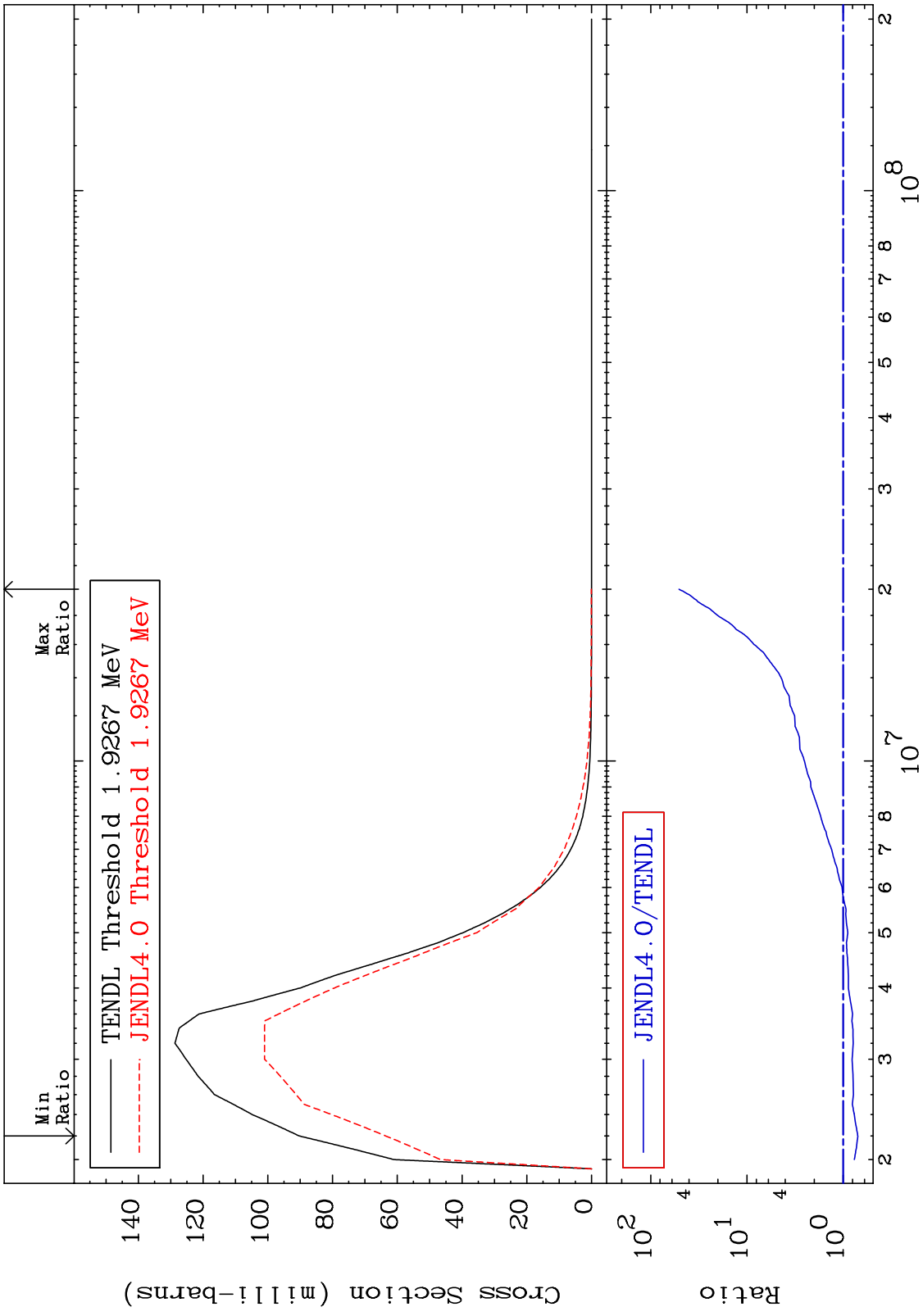


MAT 2037 MT= 51 (n,n') Level Cross Section -25.14 To 17.75 % 20-Ca-44

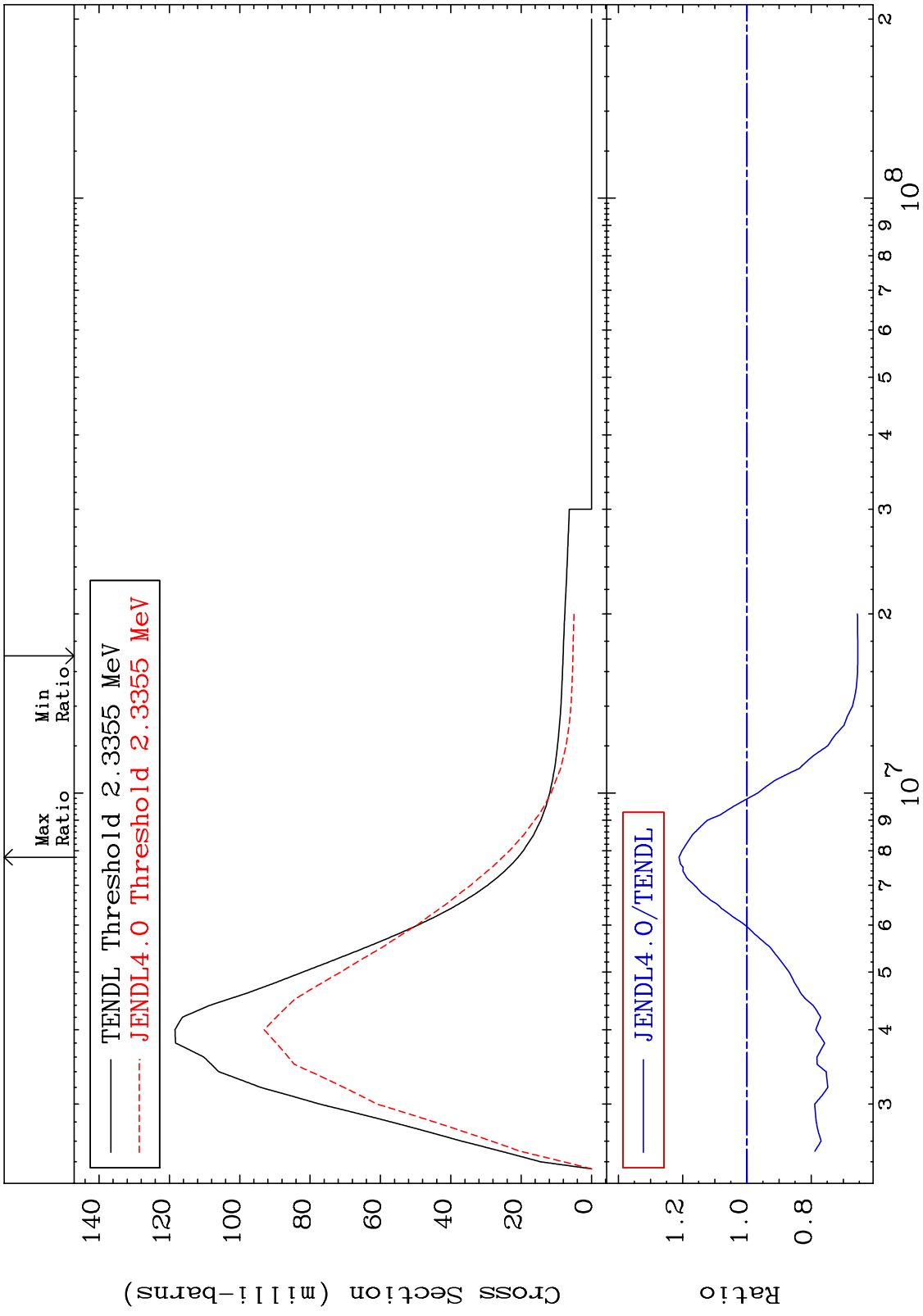




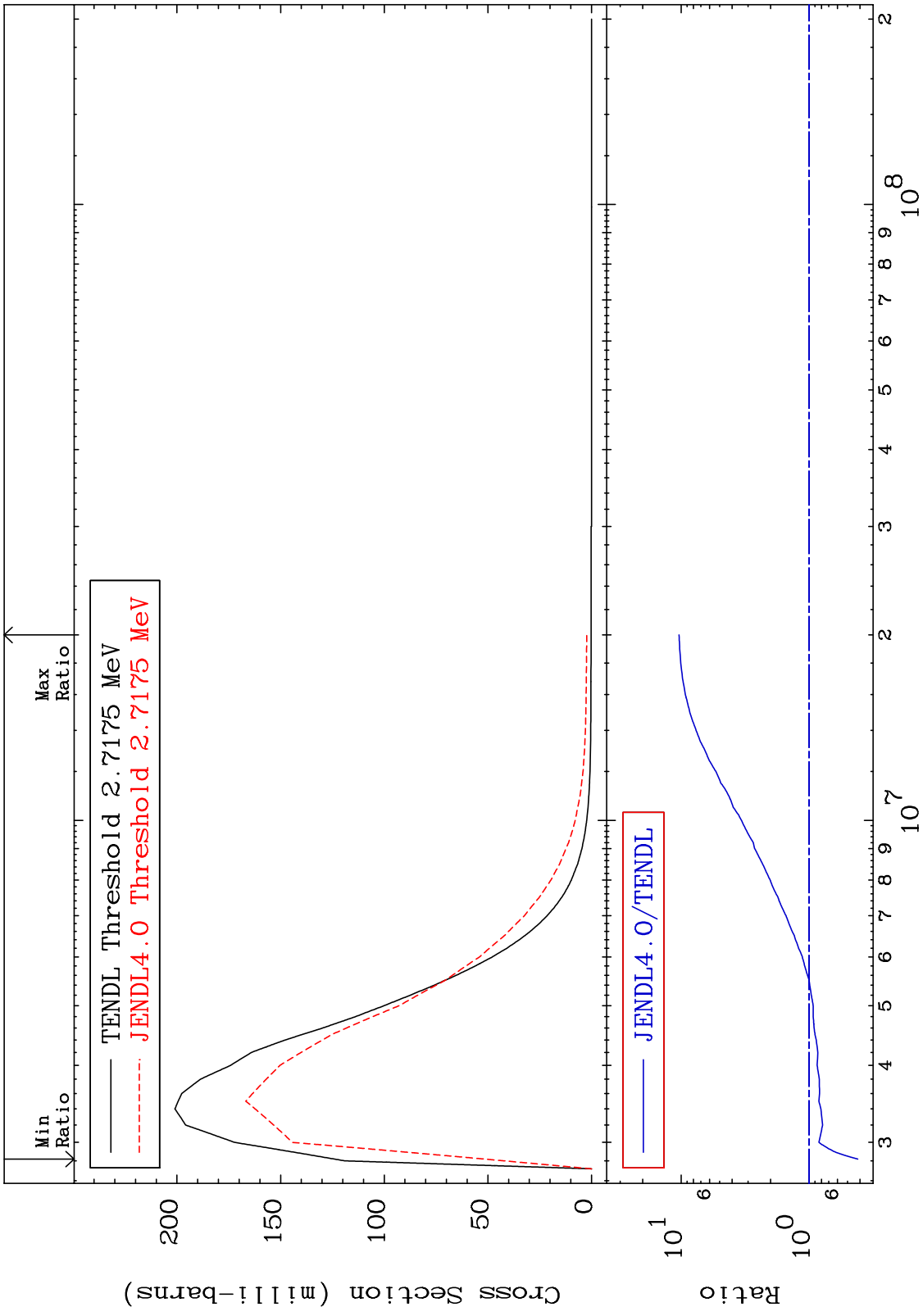
MAT 2037 MT= 52 (n,n') Level Cross Section -29.63 To 4977. % 20-Ca-44



MAT 2037 MT= 53 (n,n') Level Cross Section -34.52 To 21.12 % 20-Ca-44

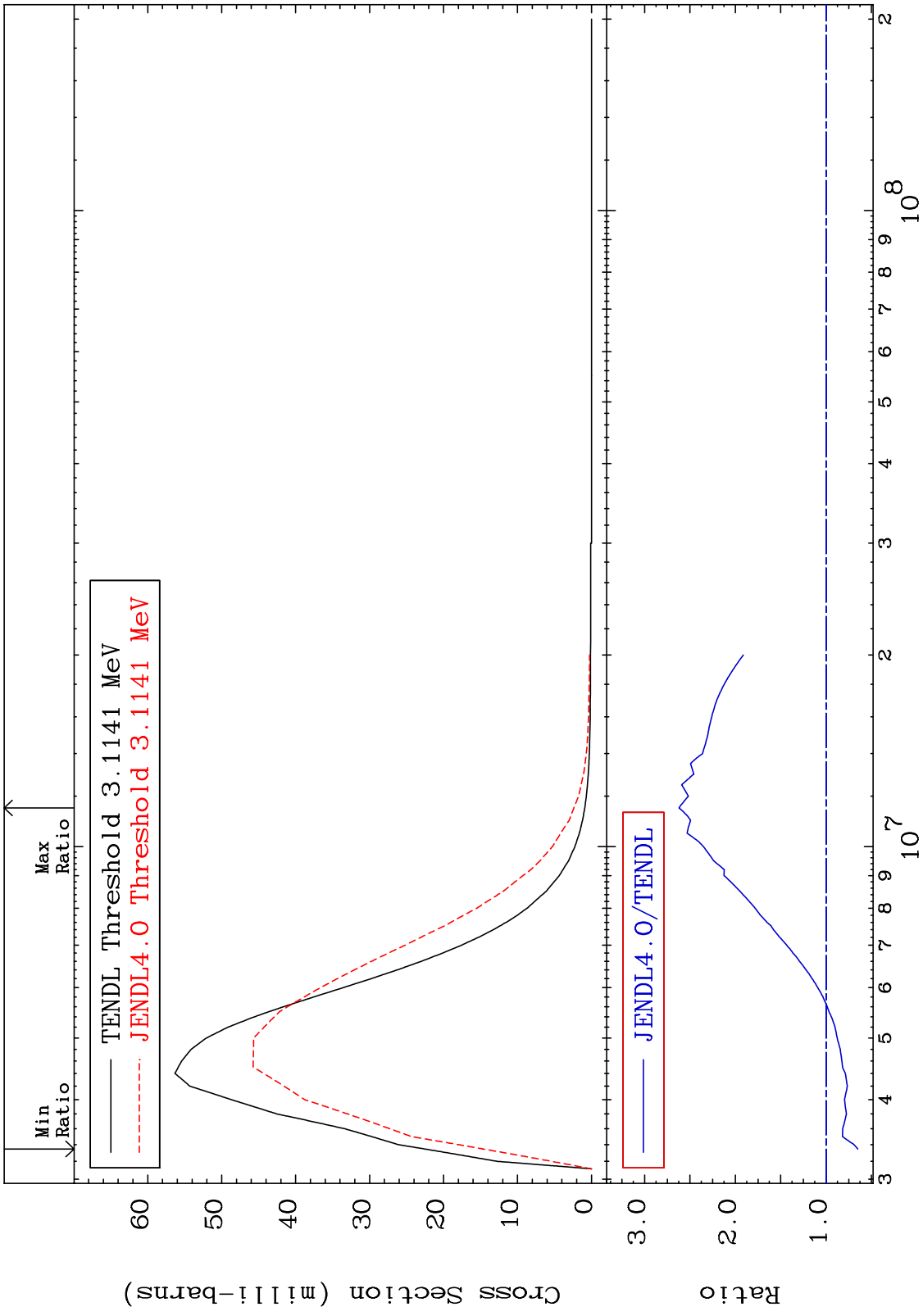


MAT 2037 MT= 54 (n,n') Level Cross Section -58.49 To 937.9 % 20-Ca-44

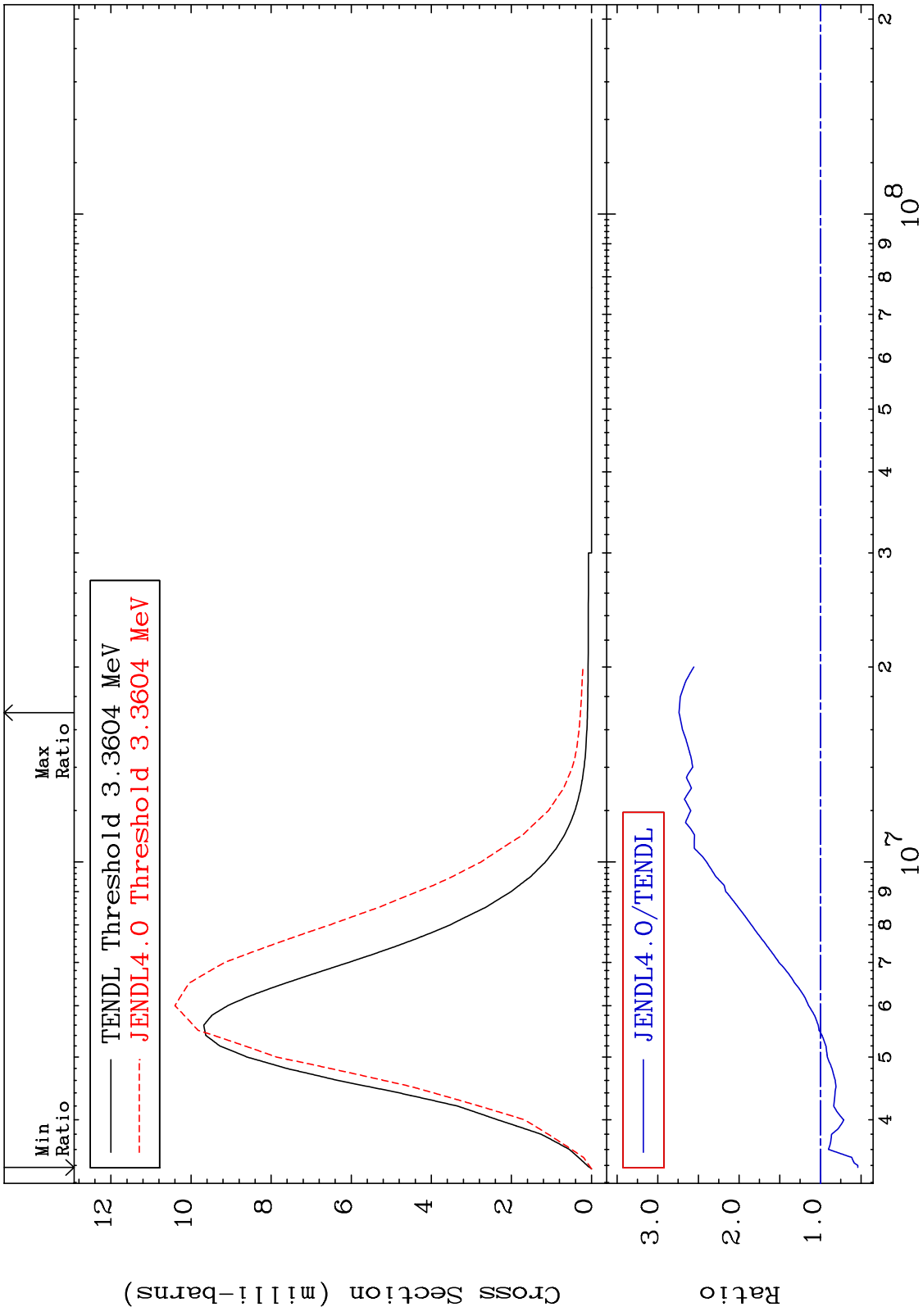


10 3 4 5 6 7 8 9 10<sup>7</sup> 2 3 4 5 6 7 8 9 10<sup>8</sup> 20-Ca-44

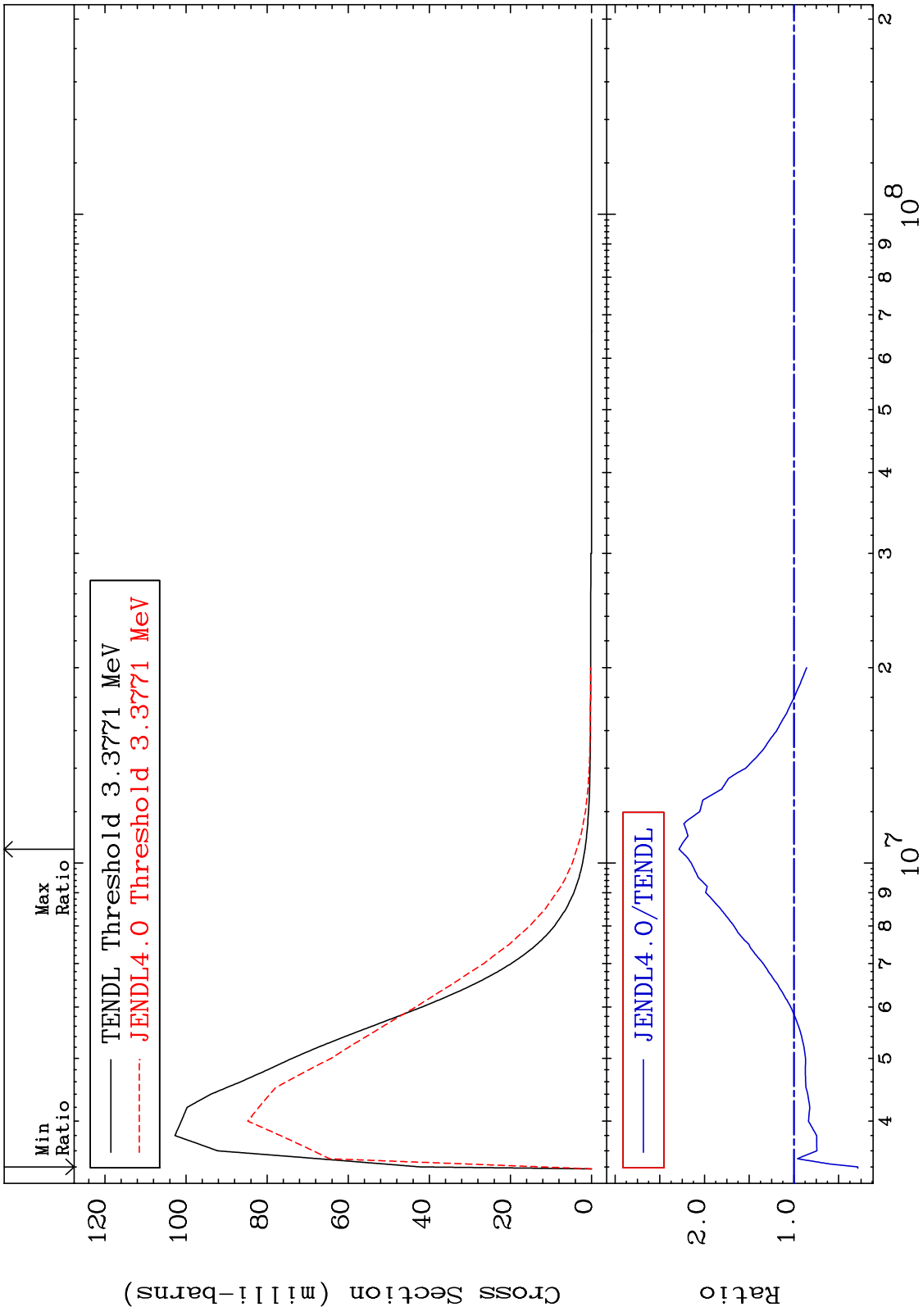
MAT 2037 MT= 55 (n,n') Level Cross Section -35.05 To 162.1 % 20-Ca-44



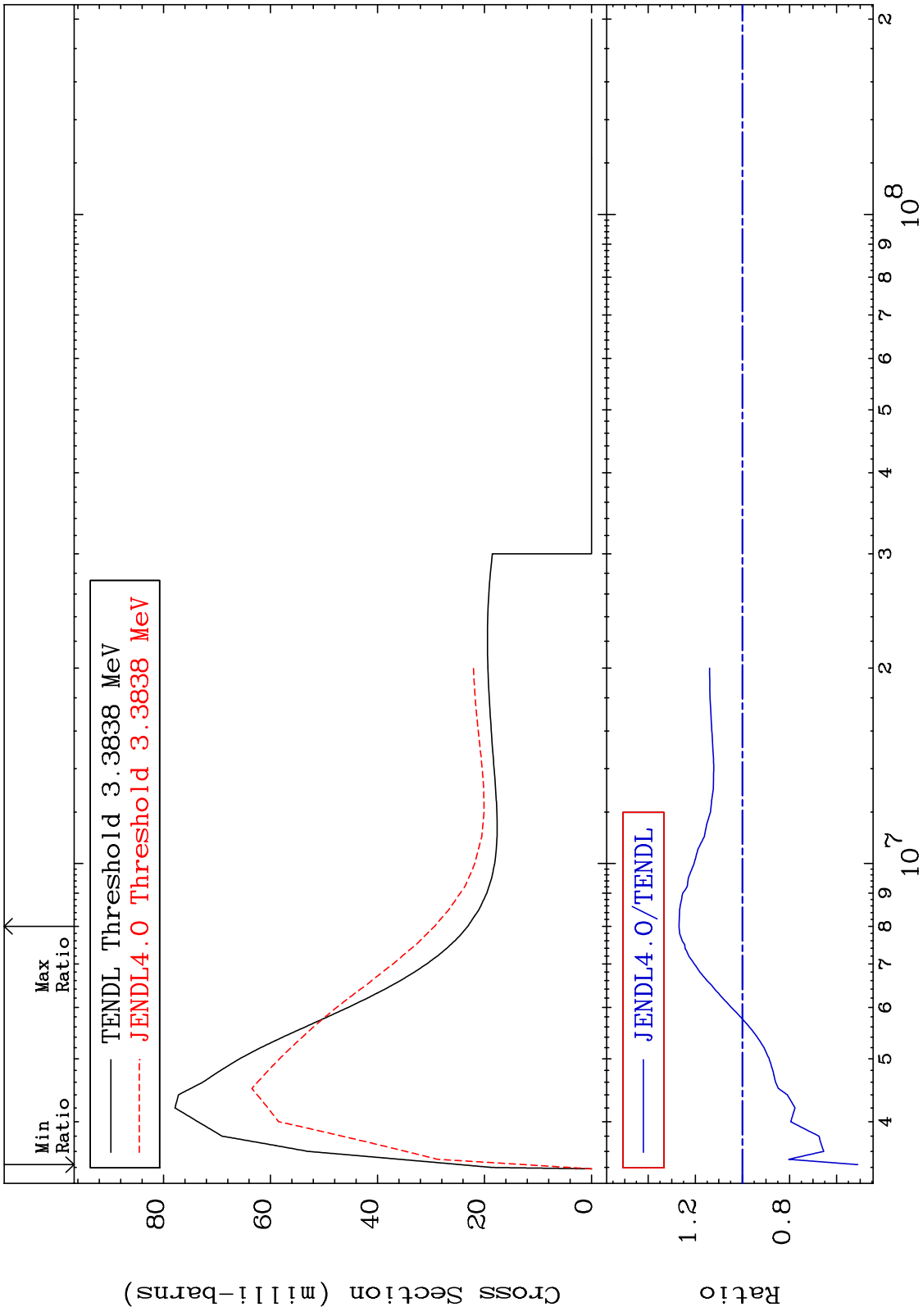
MAT 2037 MT= 56 (n,n') Level Cross Section -46.01 To 173.9 % 20-Ca-44



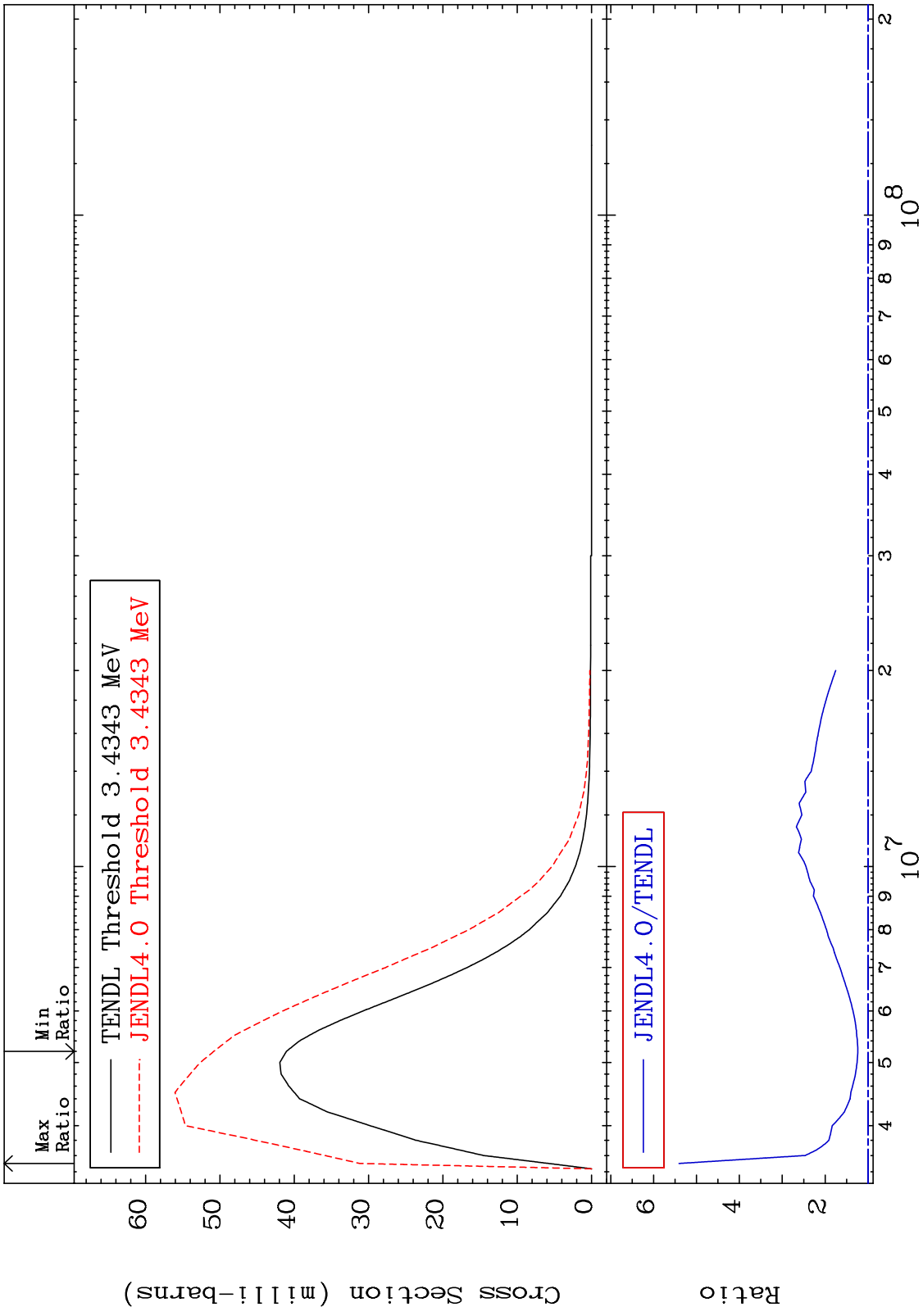
MAT 2037 MT= 57 (n,n') Level Cross Section -71.46 To 128.5 % 20-Ca-44



MAT 2037 MT= 58 (n,n') Level Cross Section -49.01 To 26.91 % 20-Ca-44

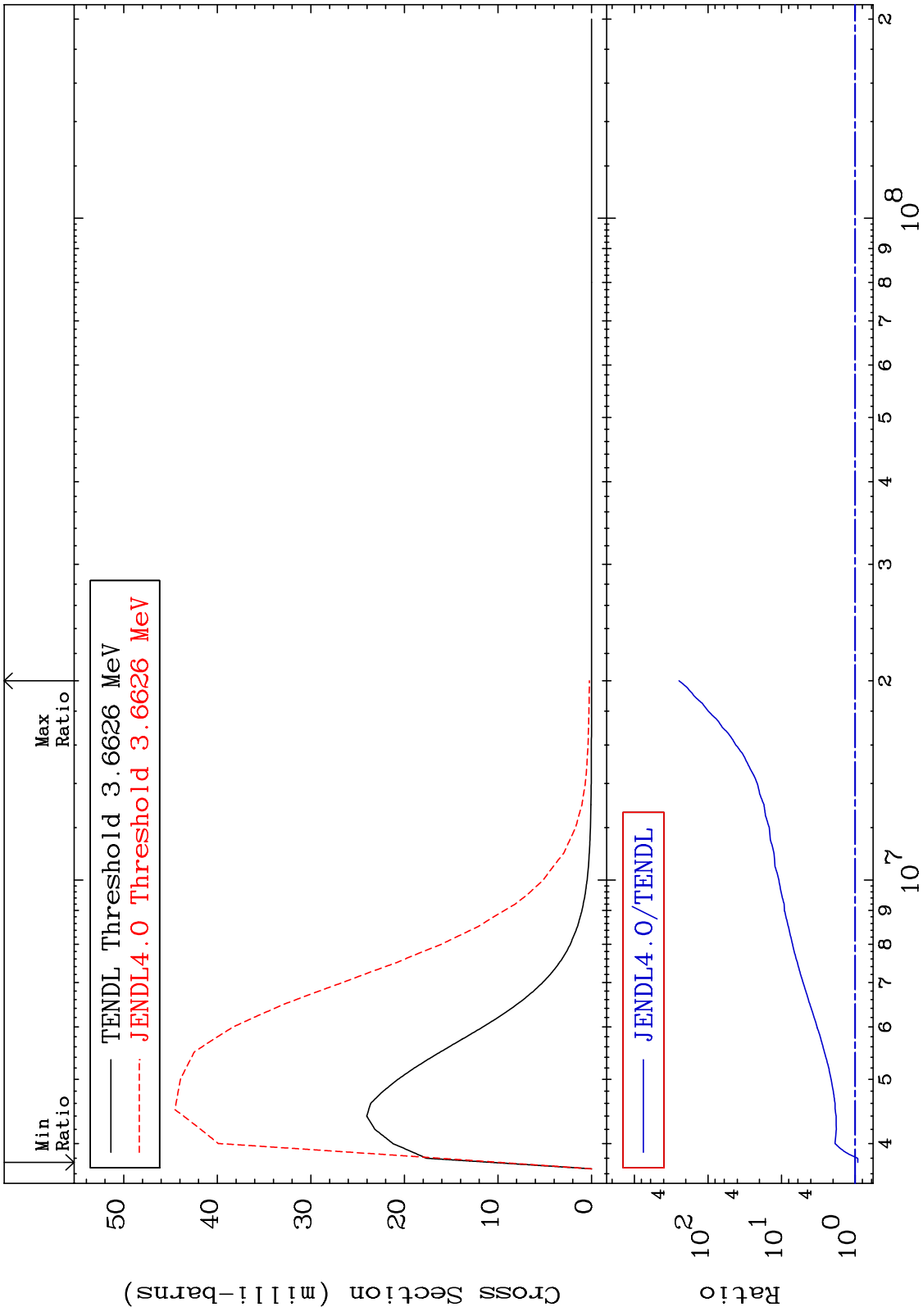


MAT 2037 MT= 59 (n,n') Level Cross Section 20-Ca-44 23.80 To 440.6 %





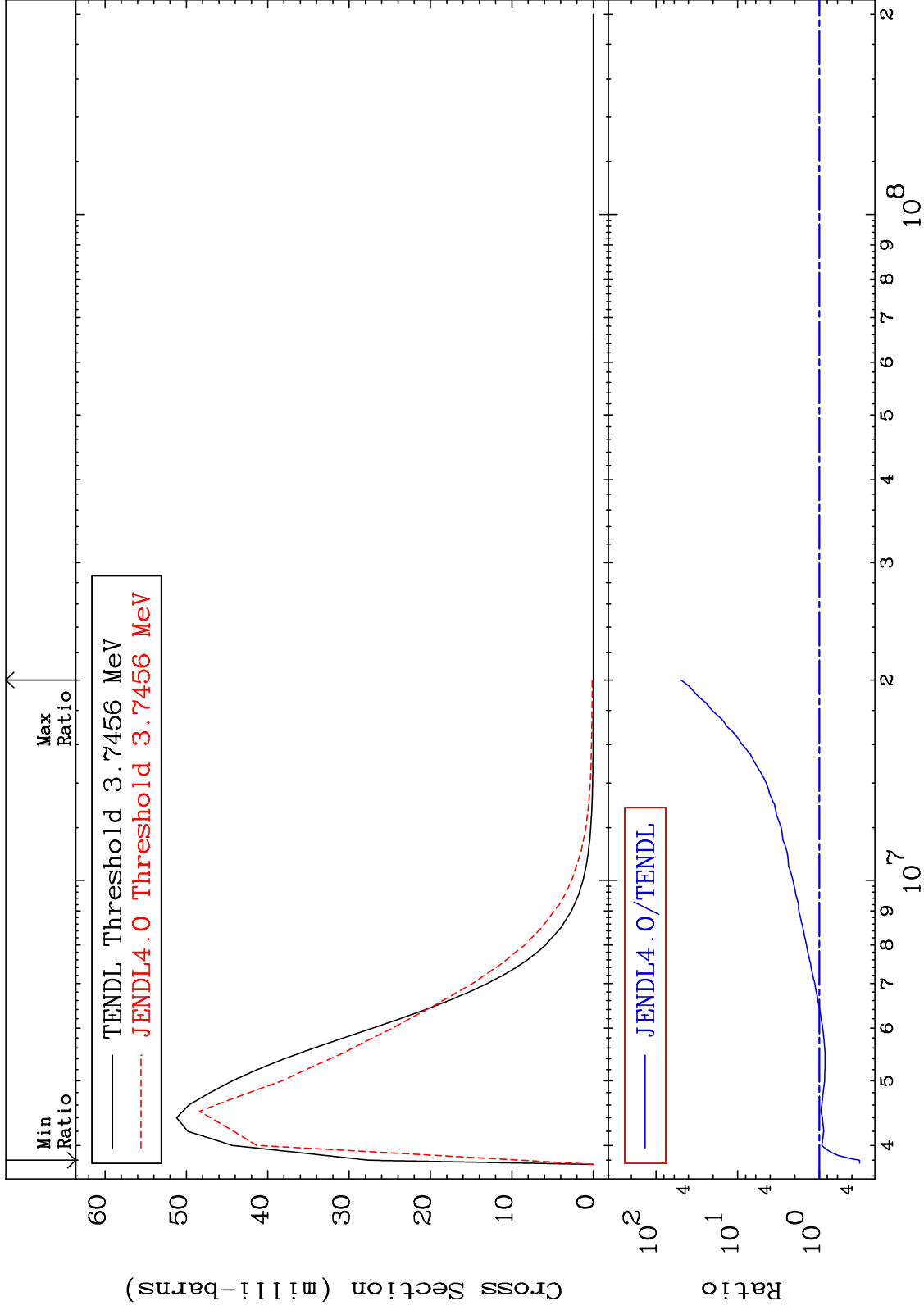
MAT 2037 MT= 60 (n,n') Level Cross Section -7.971 To 9999. % 20-Ca-44



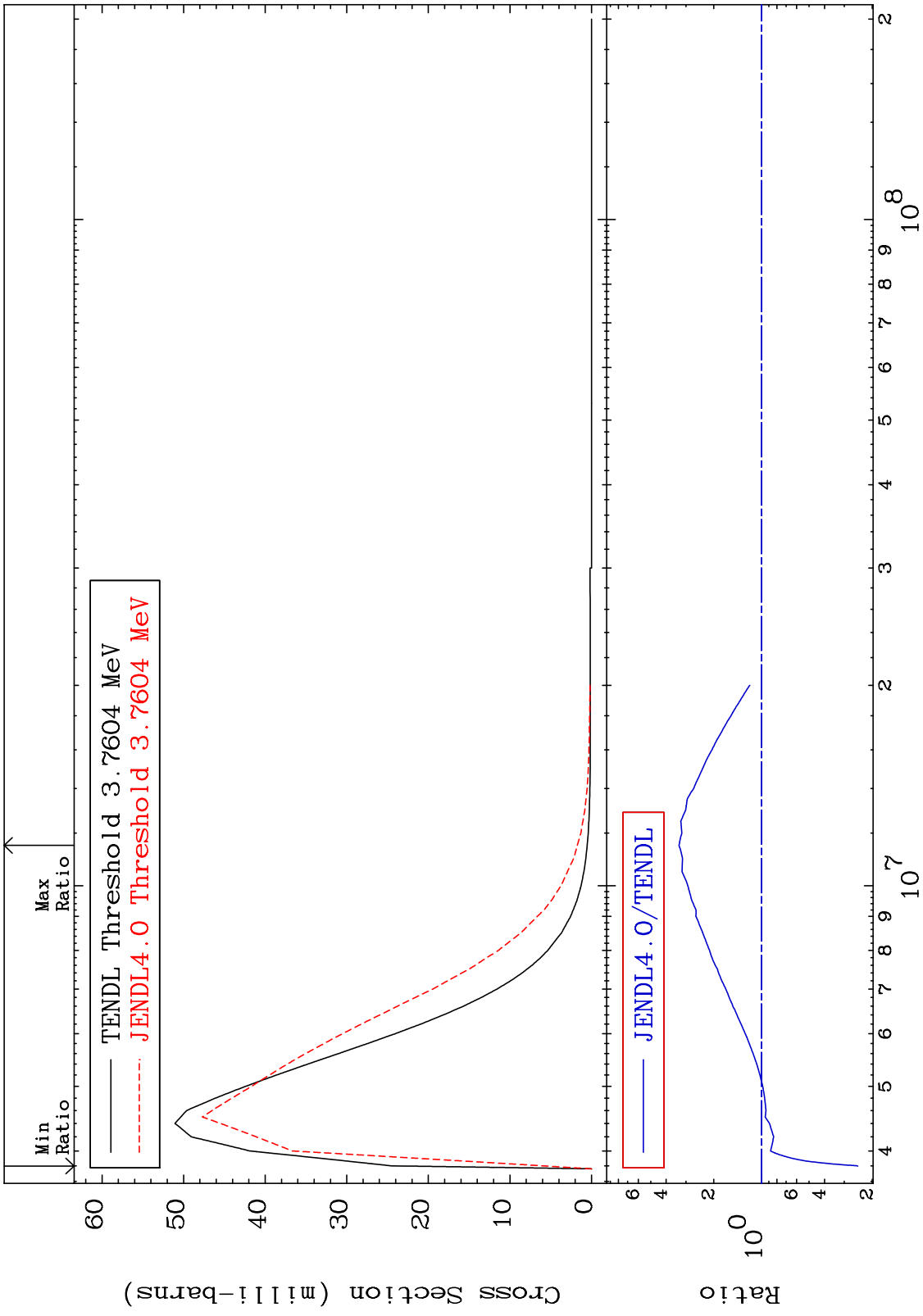
MAT 2037

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

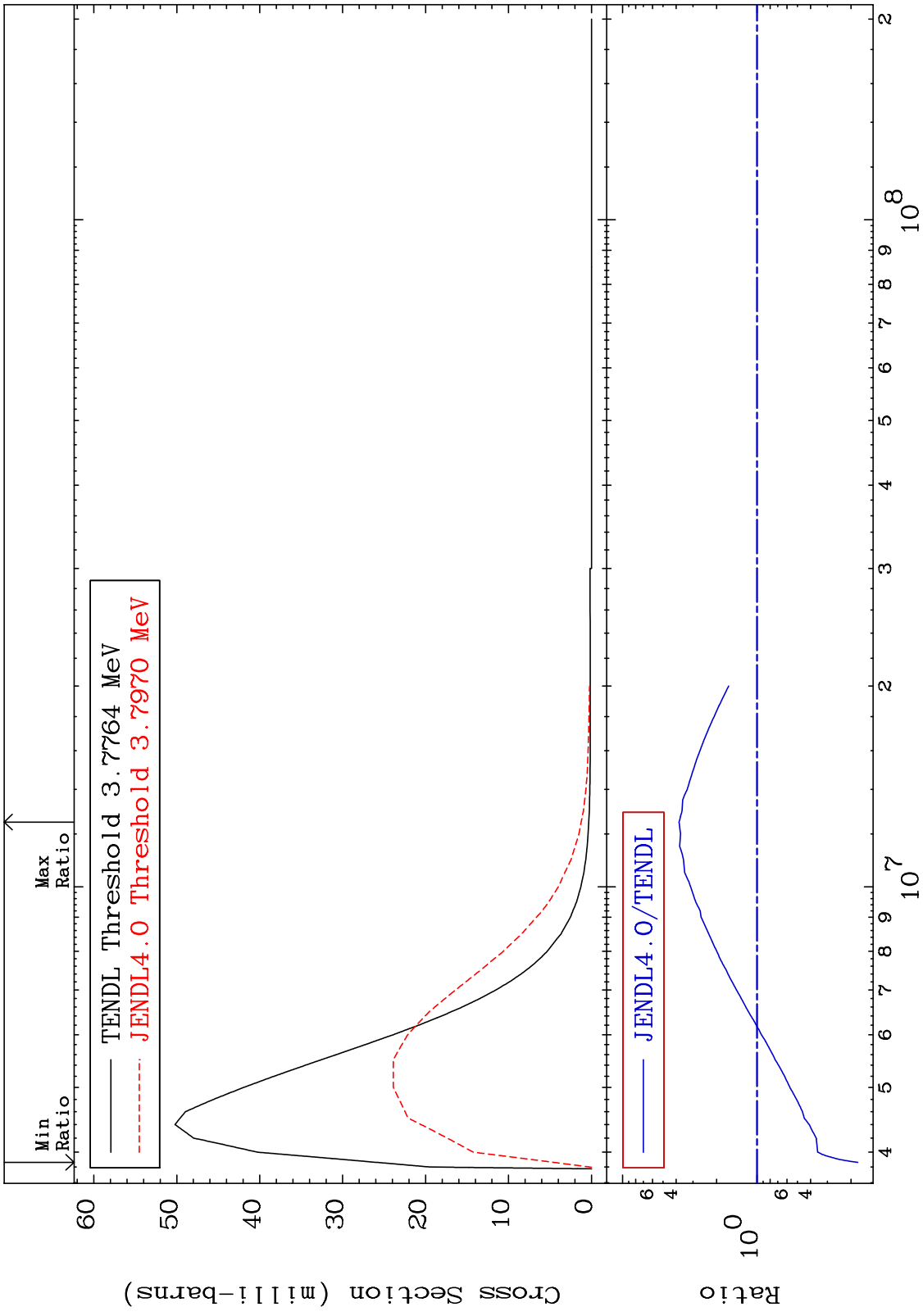
20-Ca-44  
-67.87 To 4865. %



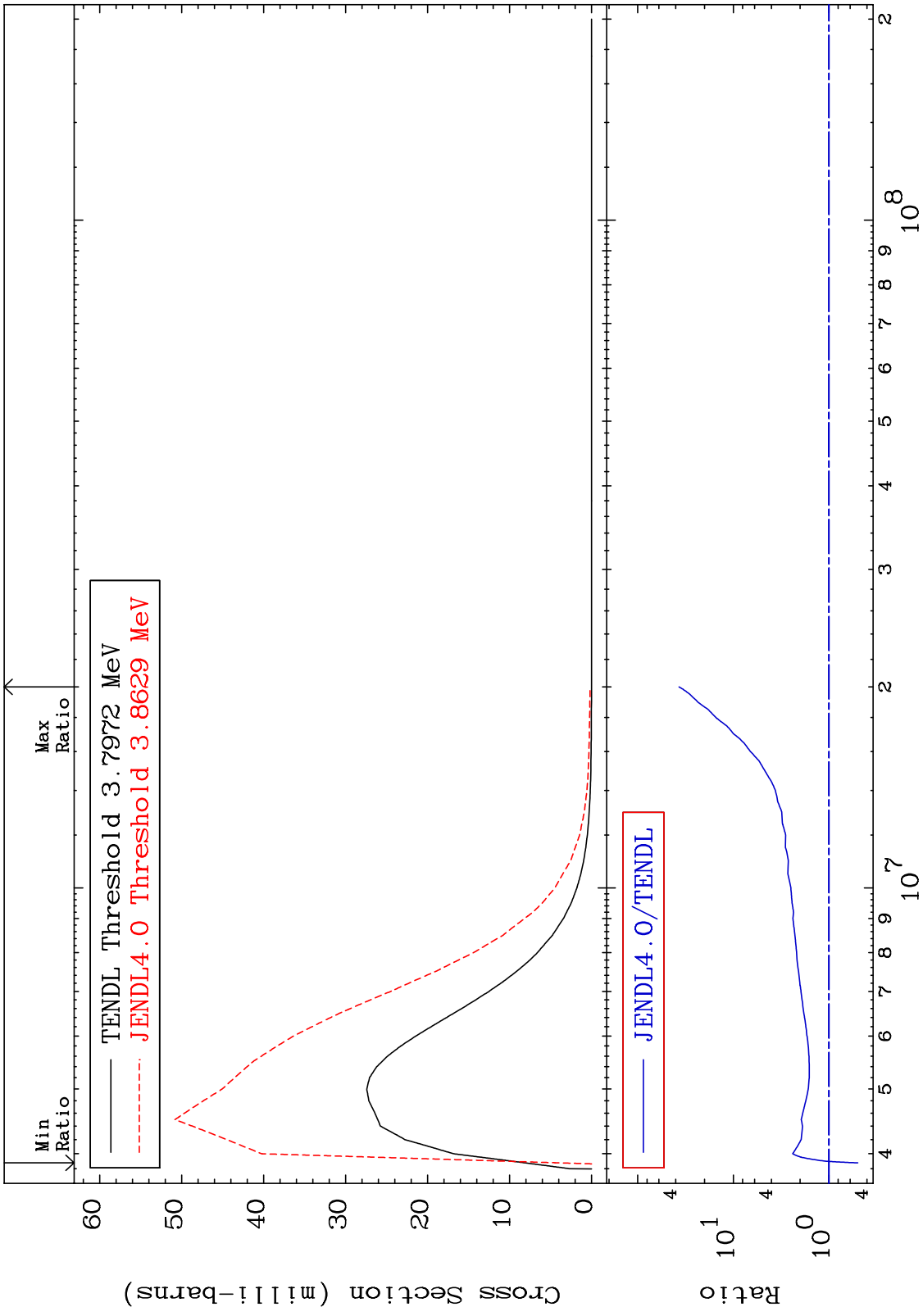
MAT 2037 MT= 62 (n,n') Level Cross Section -75.37 To 231.5 % 20-Ca-44



MAT 2037 MT= 63 (n,n') Level Cross Section -82.20 To 280.3 % 20-Ca-44



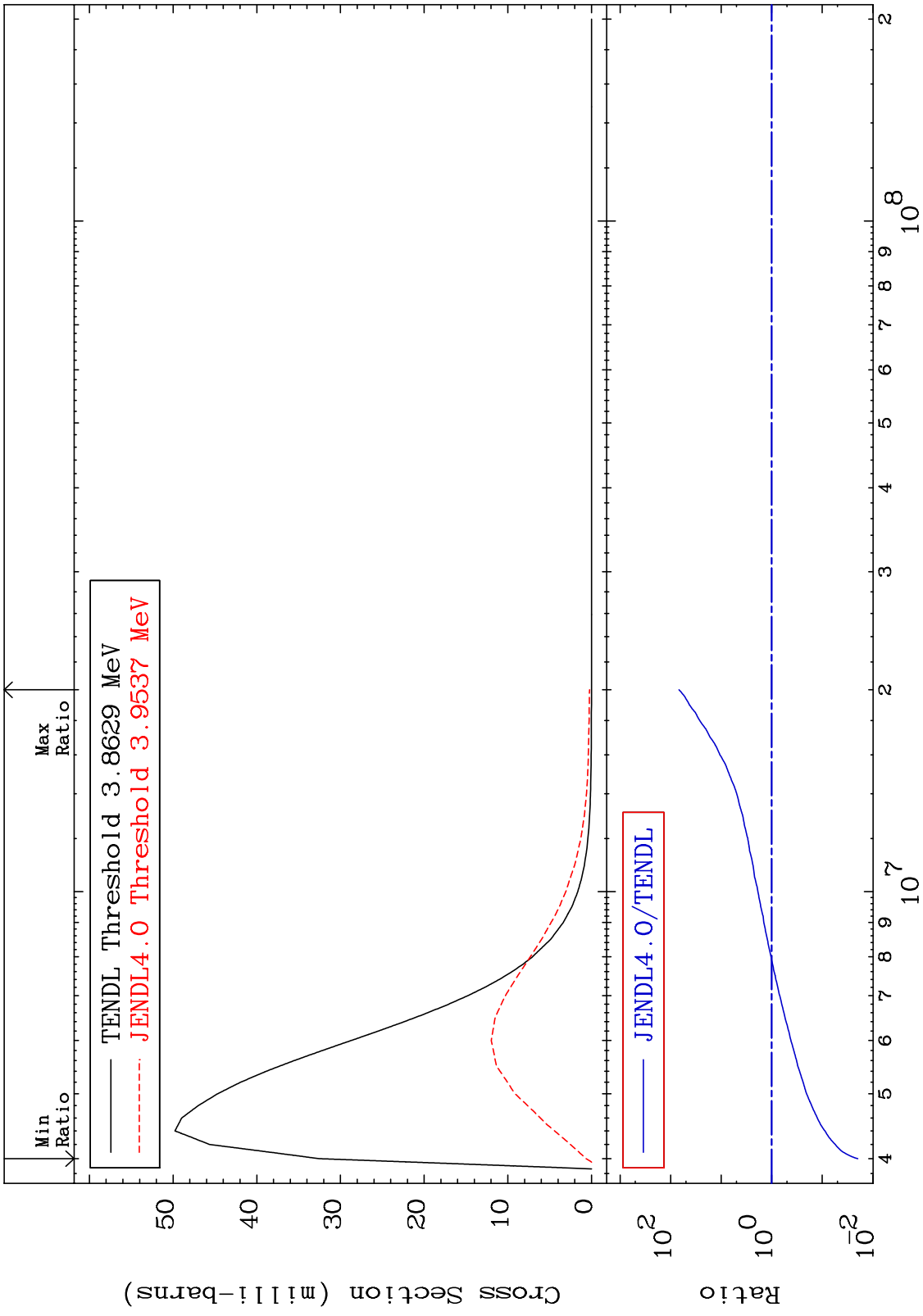
MAT 2037 MT= 64 (n,n') Level Cross Section -50.15 To 3598. % 20-Ca-44



20

20-Ca-44

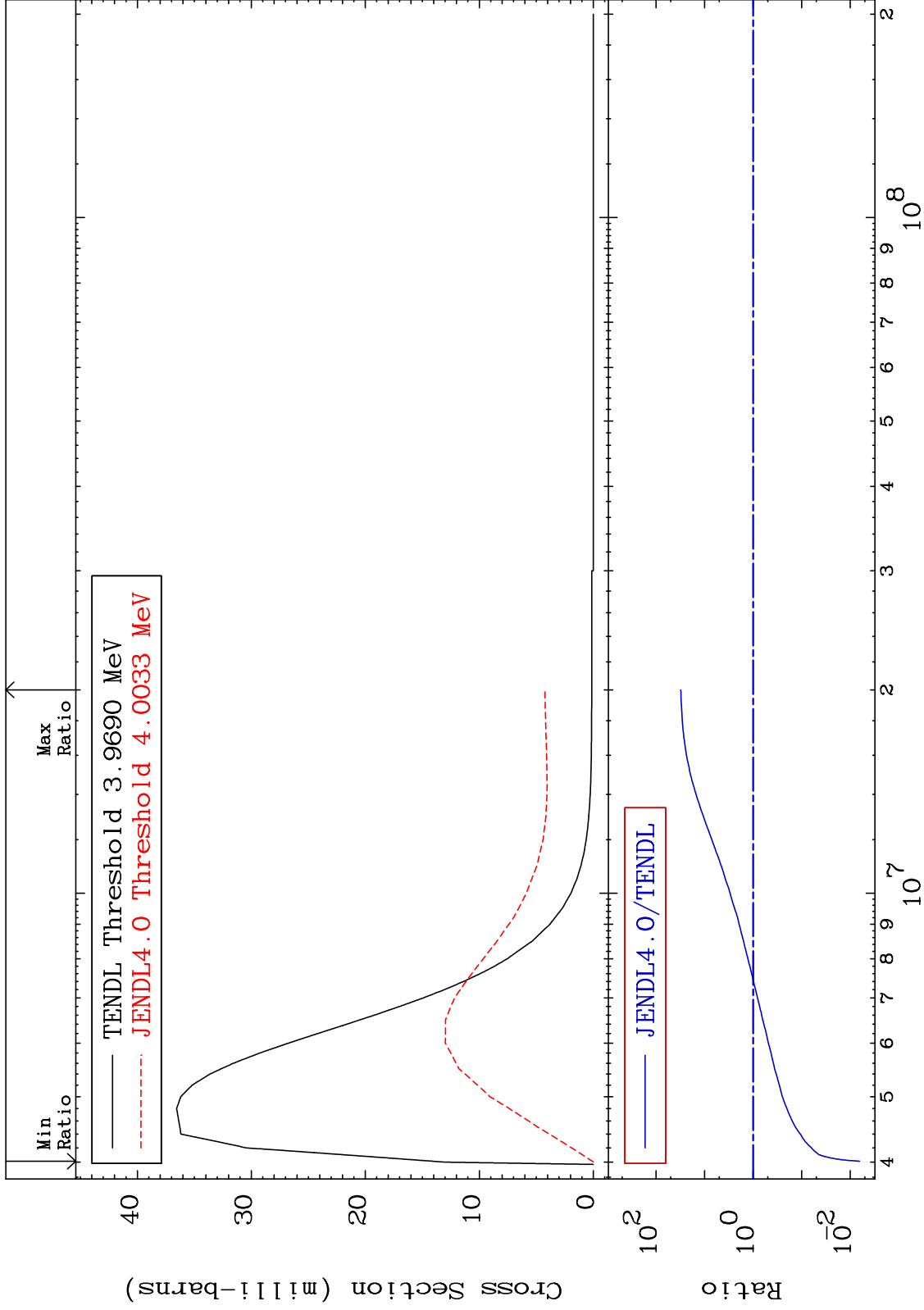
MAT 2037 MT= 65 (n,n') Level Cross Section -98.02 To 6726. % 20-Ca-44



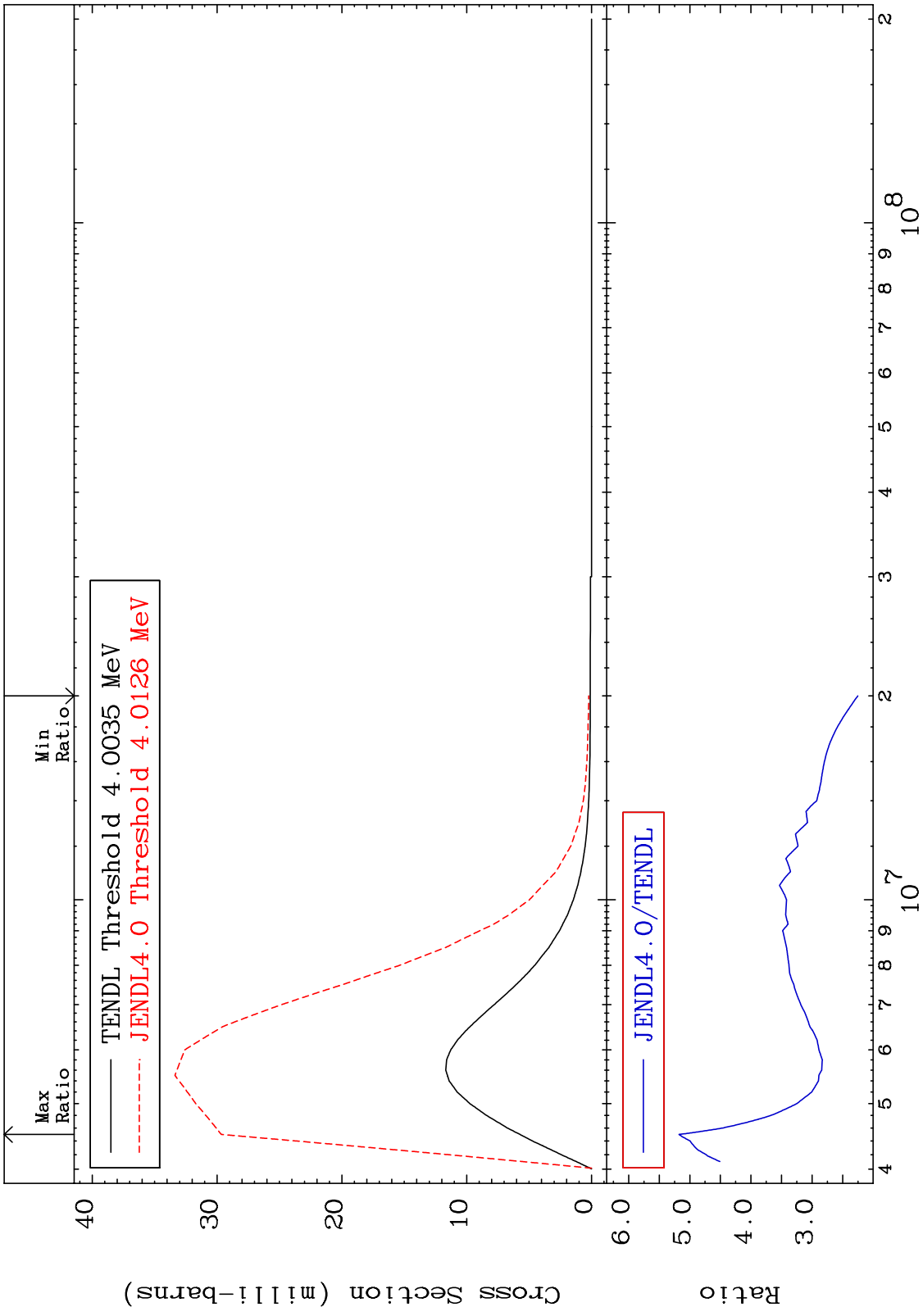
MAT 2037

MT= 66 (n,n') Level  
Cross Section

20-Ca-44  
-99.36 To 2991. %



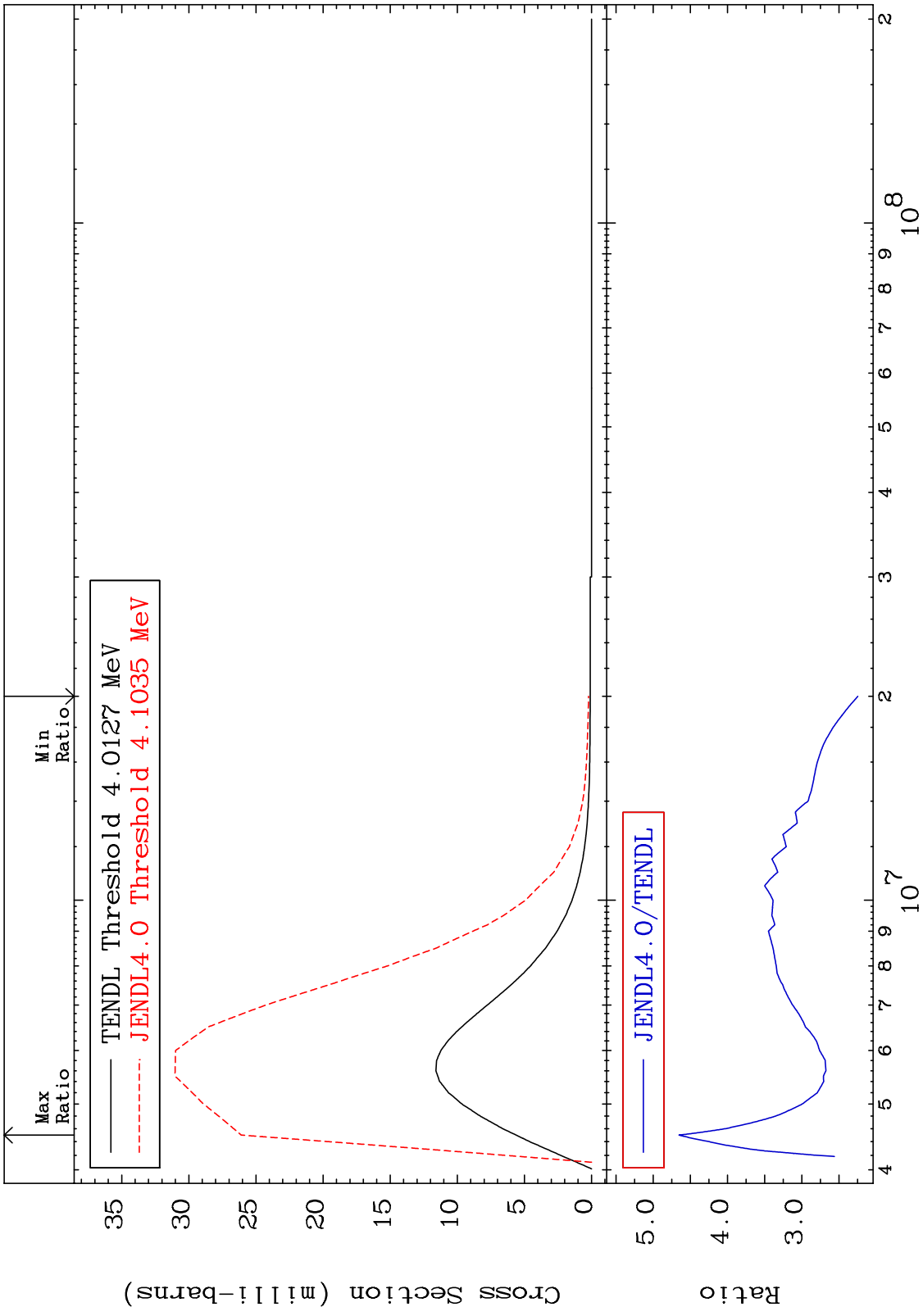
MAT 2037 MT= 67 (n,n') Level Cross Section 20-Ca-44  
 125.3 To 417.6 %



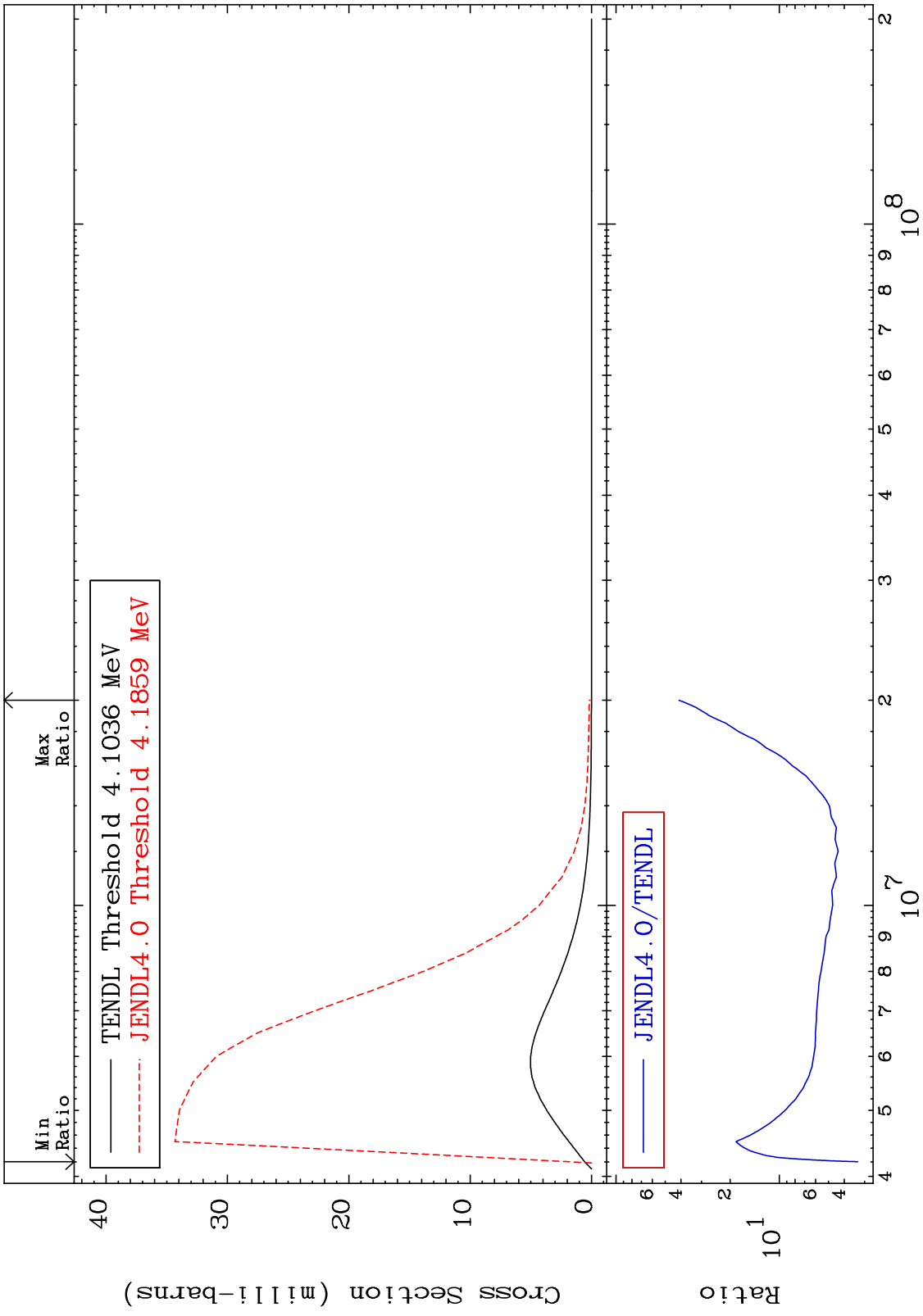
23 Incident Energy (eV) 20-Ca-44



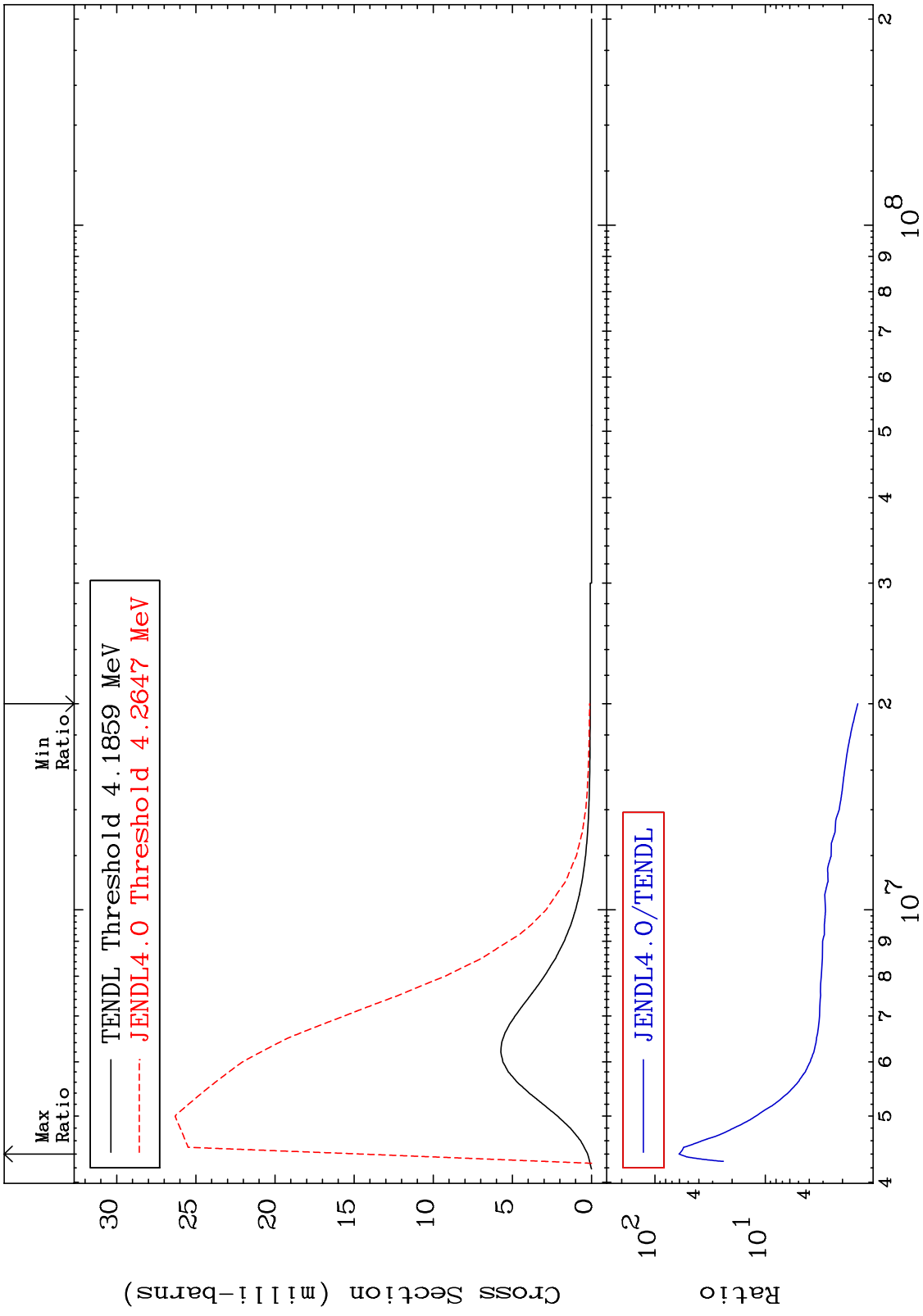
MAT 2037 MT= 68 (n,n') Level Cross Section 20-Ca-44 124.6 To 365.3 %



MAT 2037 MT= 69 (n,n') Level Cross Section 20-Ca-44 230.2 To 4013. %



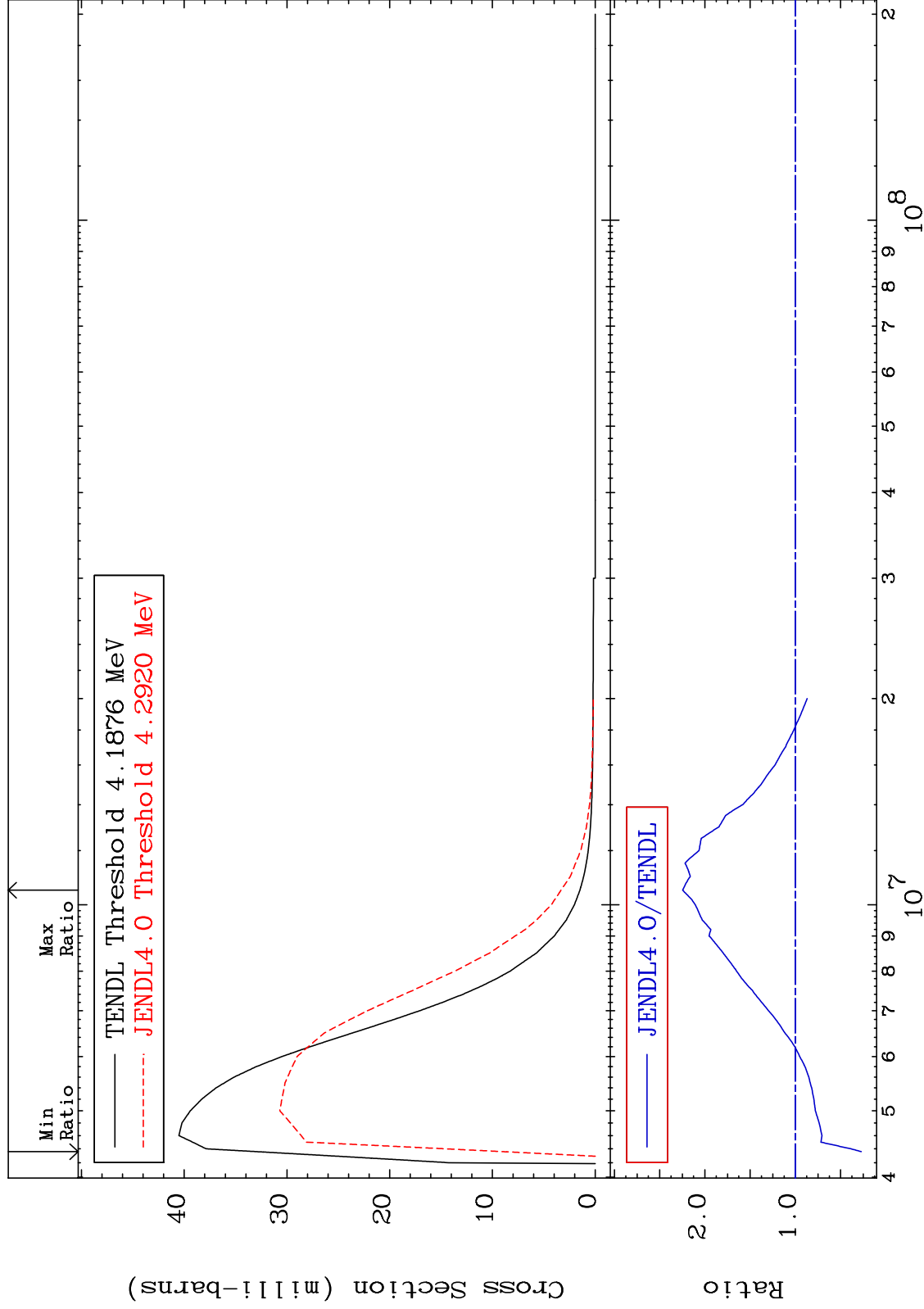
MAT 2037 MT= 70 (n,n') Level Cross Section 20-Ca-44 45.40 To 5948. %



MAT 2037

MT= 71 (n,n') Level  
Cross Section

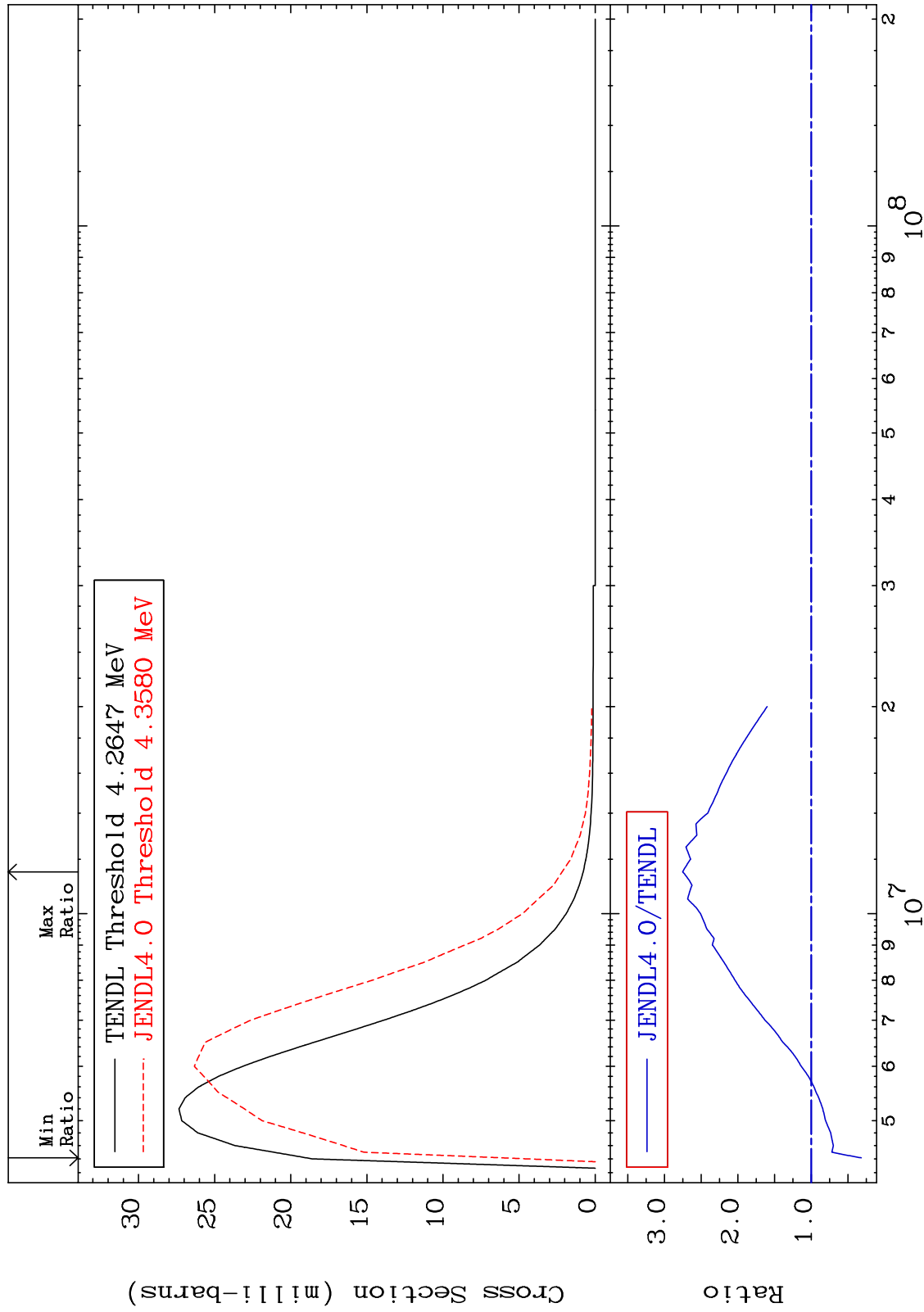
20-Ca-44  
-72.91 To 124.6 %



MAT 2037

MT= 72 (n,n') Level  
Cross Section

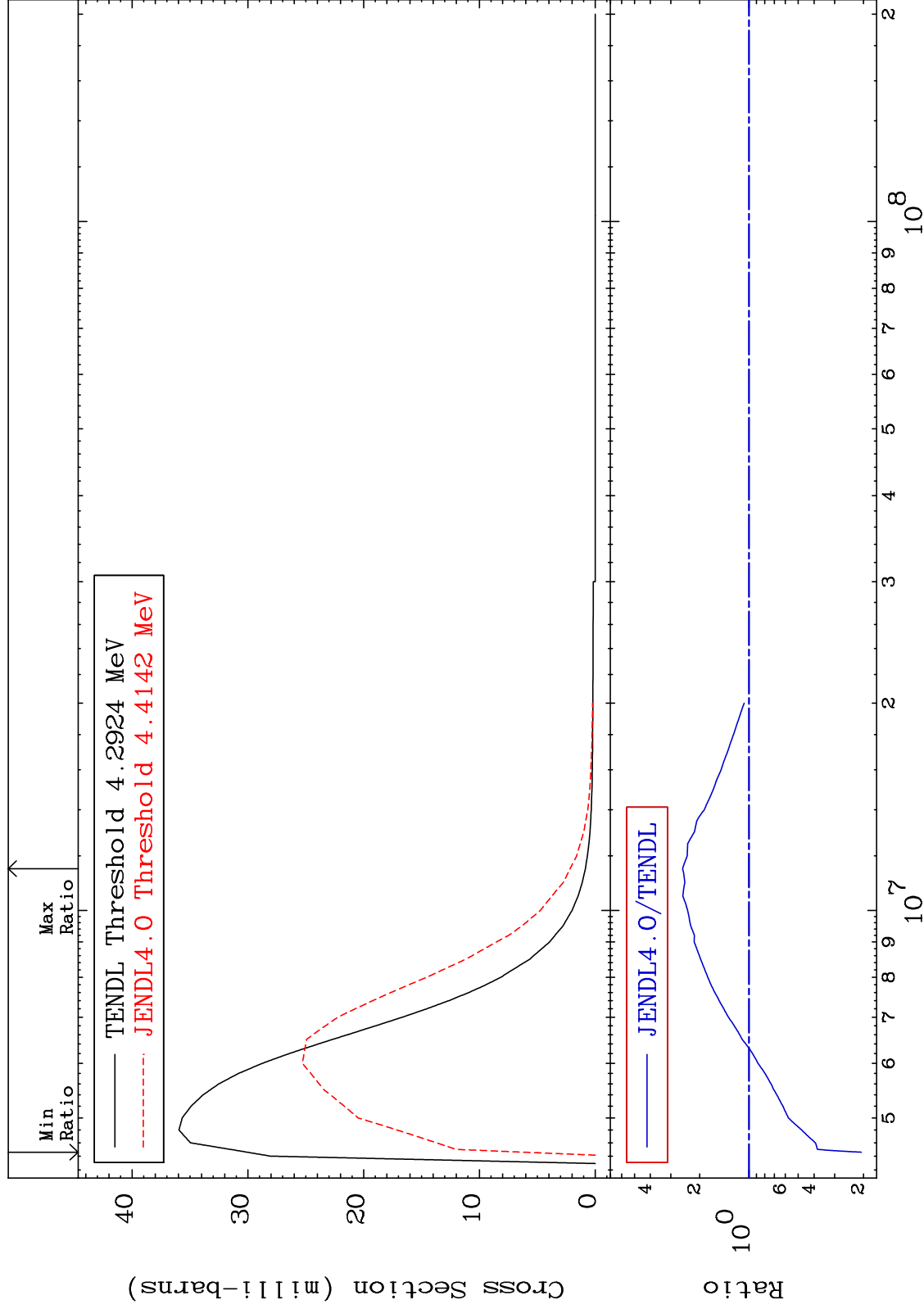
20-Ca-44  
-68.23 To 175.2 %



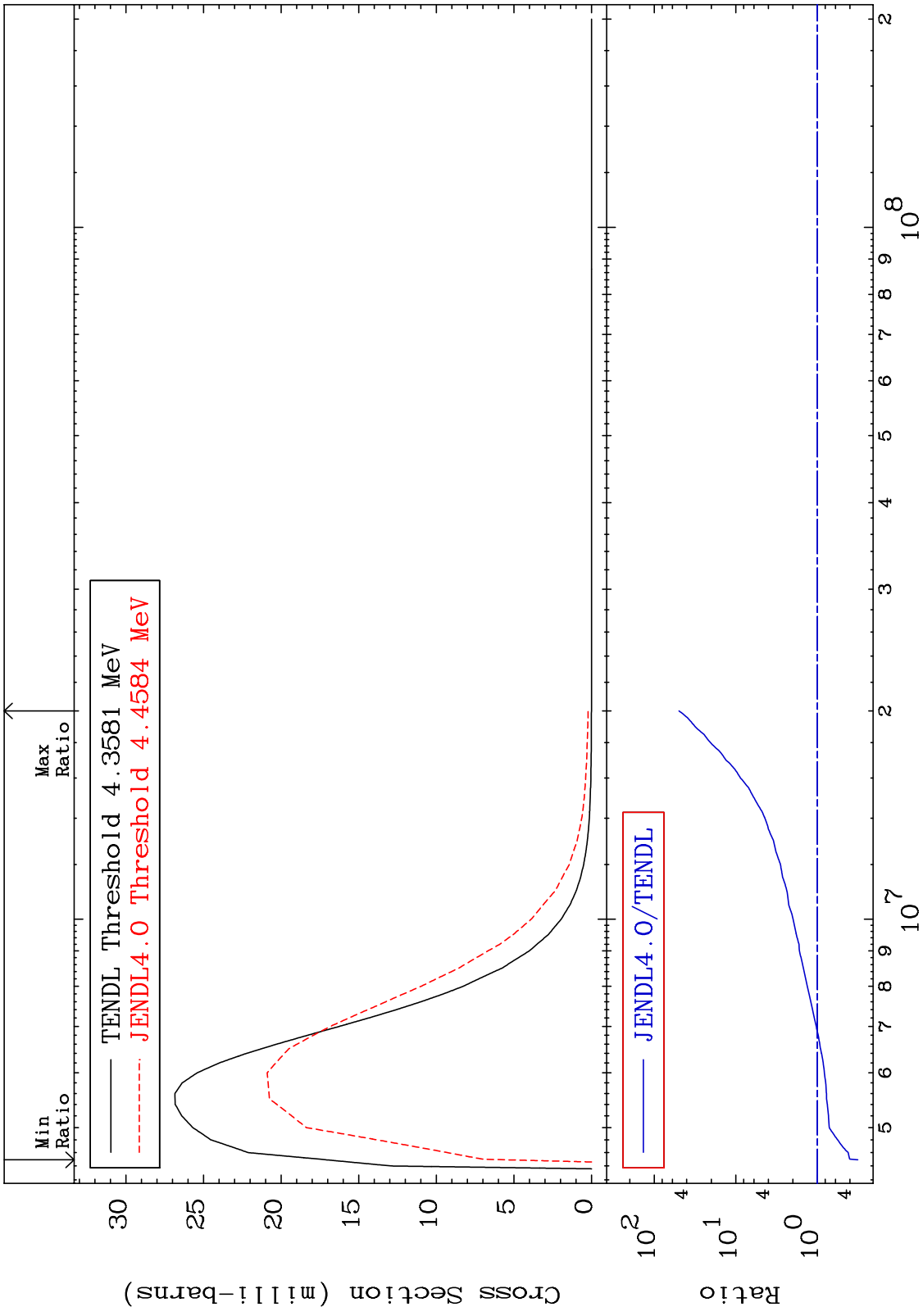
MAT 2037

MT= 73 (n,n') Level  
Cross Section

20-Ca-44  
-79.42 To 154.0 %



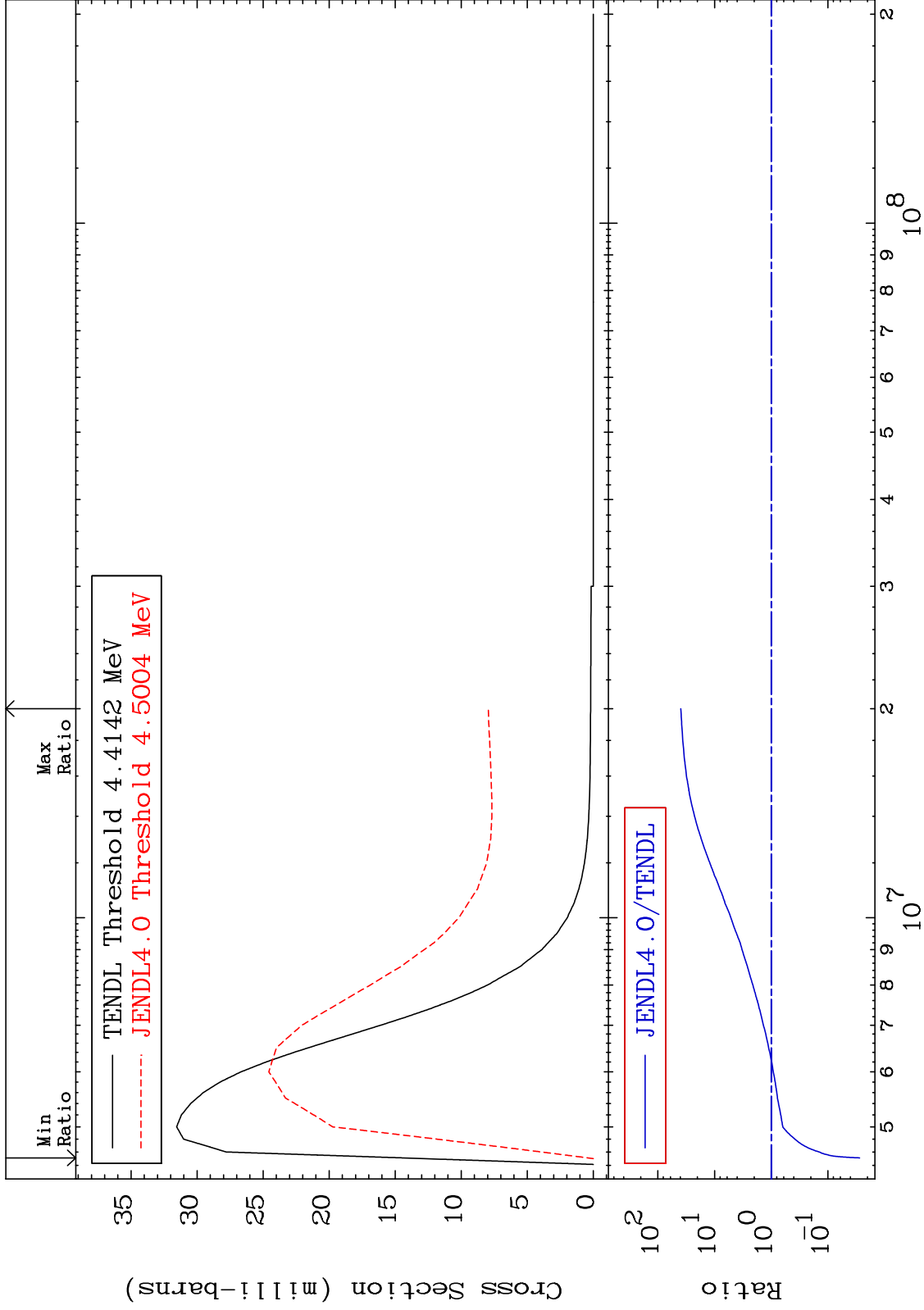
MAT 2037 MT= 74 (n,n') Level Cross Section -68.07 To 4870. % 20-Ca-44



MAT 2037

MT= 75 (n,n') Level  
Cross Section

20-Ca-44  
-97.25 To 3834. %

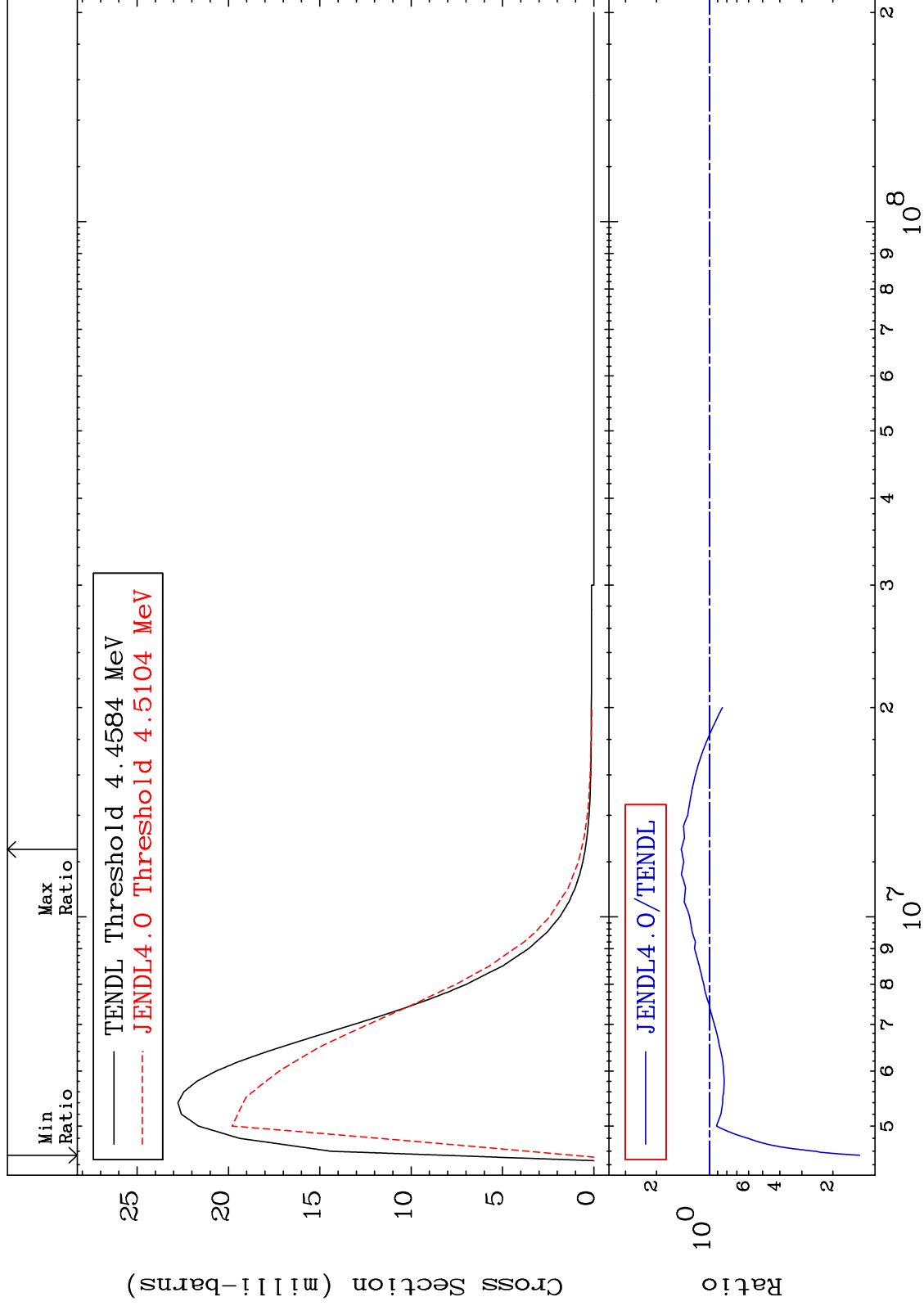




MAT 2037

MT= 76 (n,n') Level  
Cross Section

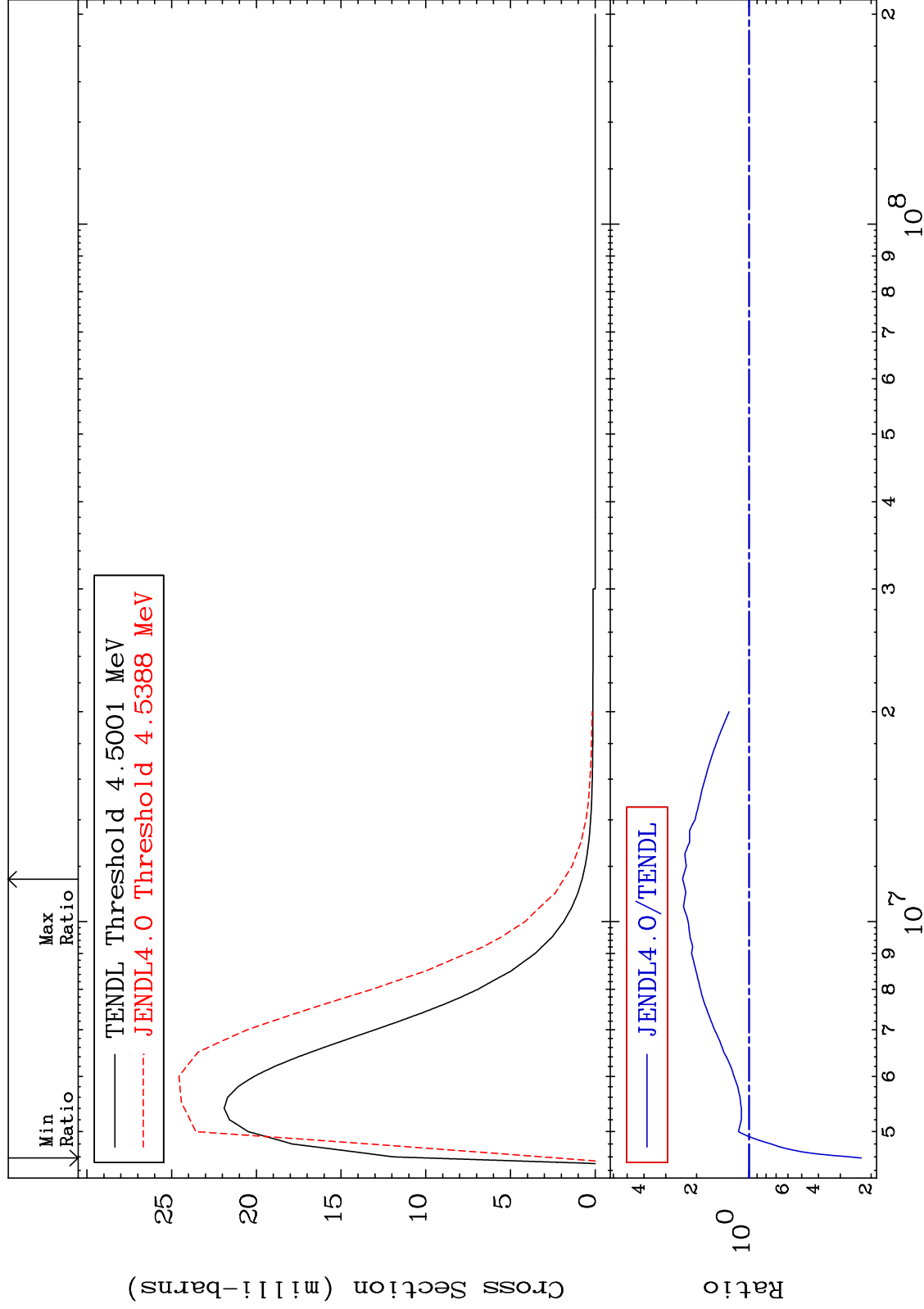
20-Ca-44  
-85.94 To 44.86 %



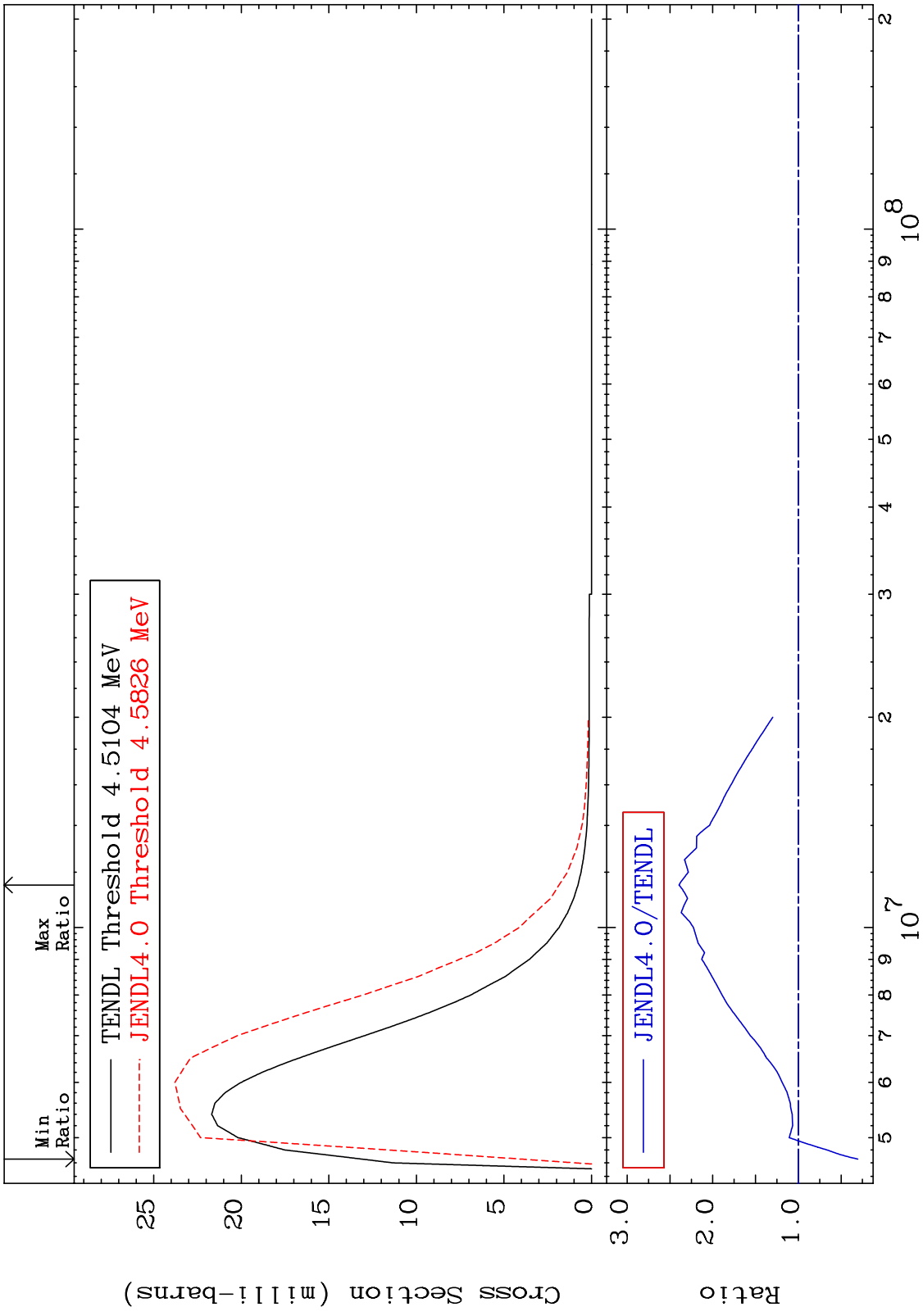
MAT 2037

MT= 77 (n,n') Level  
Cross Section

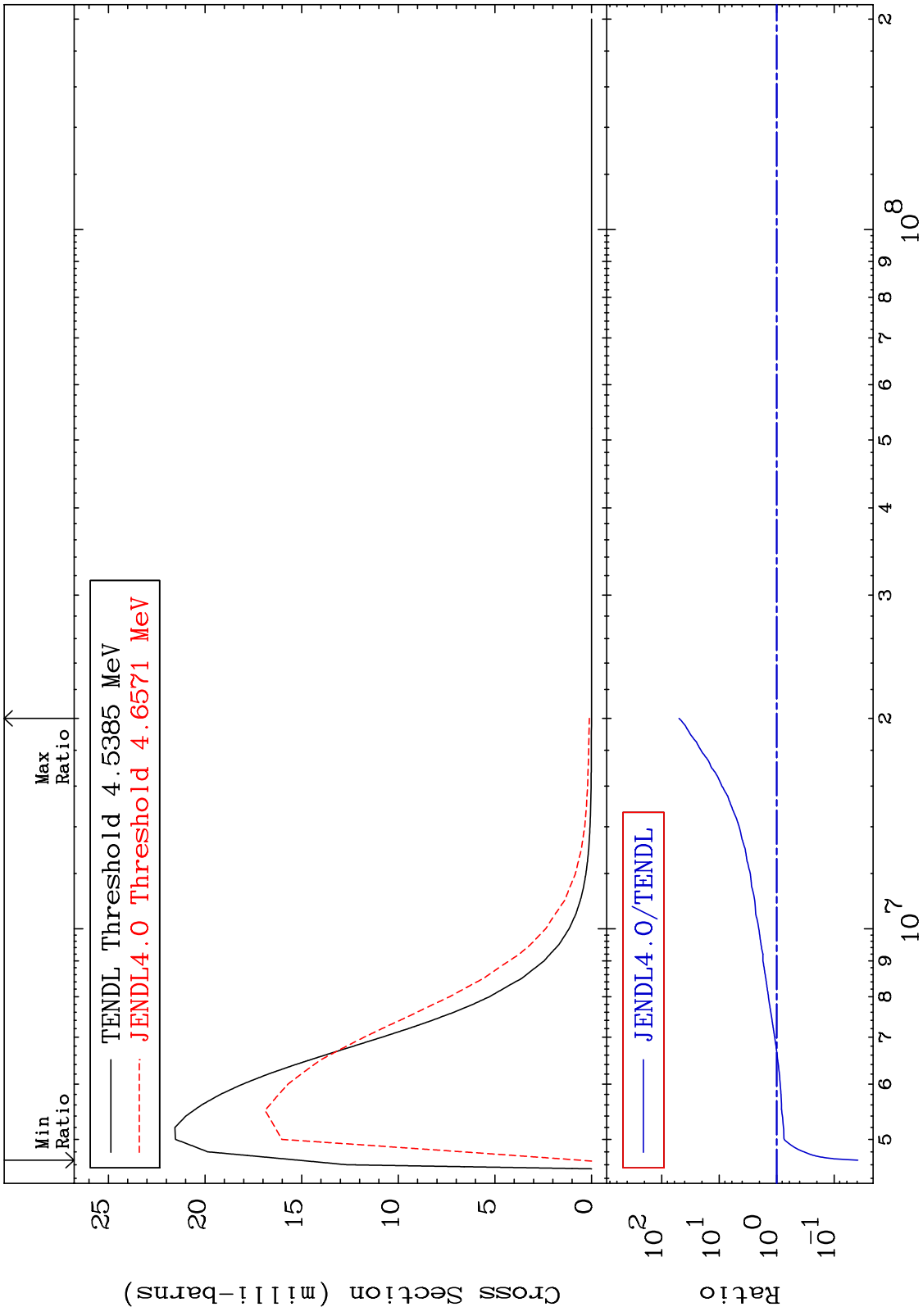
20-Ca-44  
-77.25 To 140.3 %



MAT 2037 MT= 78 (n,n') Level Cross Section -69.59 To 139.4 % 20-Ca-44



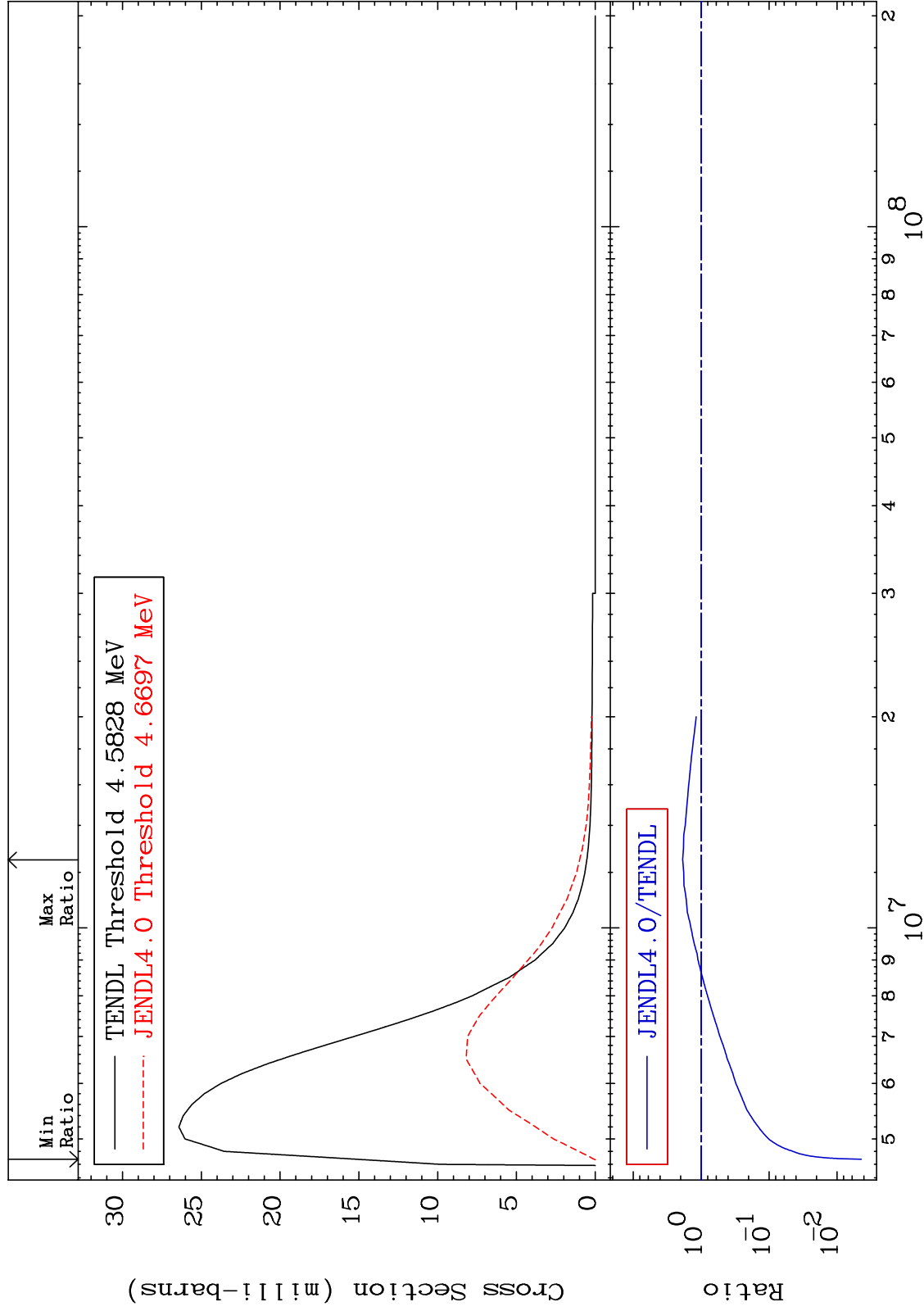
MAT 2037 MT= 79 (n,n') Level Cross Section -96.12 To 4897. % 20-Ca-44



MAT 2037

MT= 80 (n,n') Level  
Cross Section

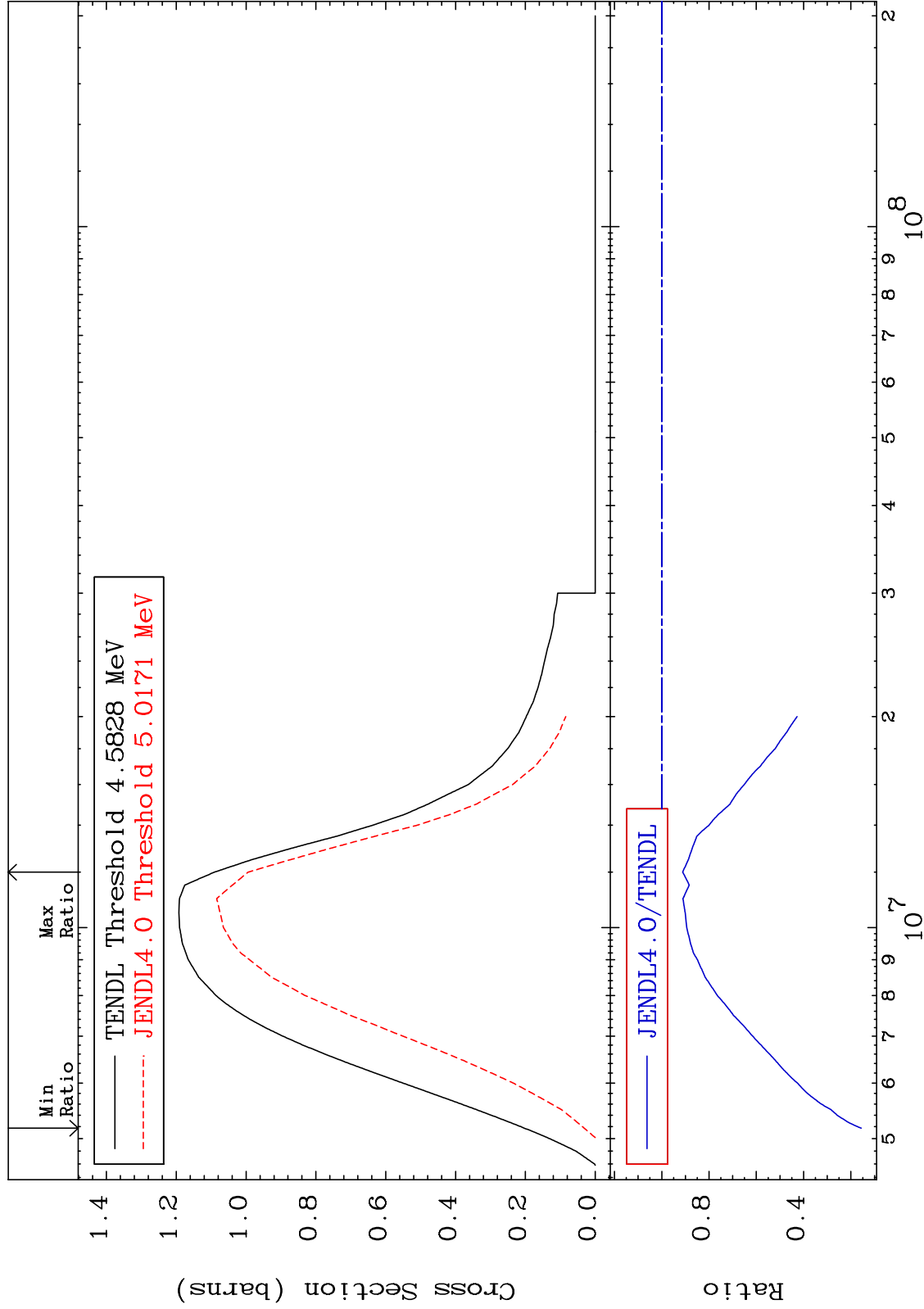
20-Ca-44  
-99.56 To 86.81 %



MAT 2037

(n,n') Continuum  
Cross Section

20-Ca-44  
-84.41 To -8.848%

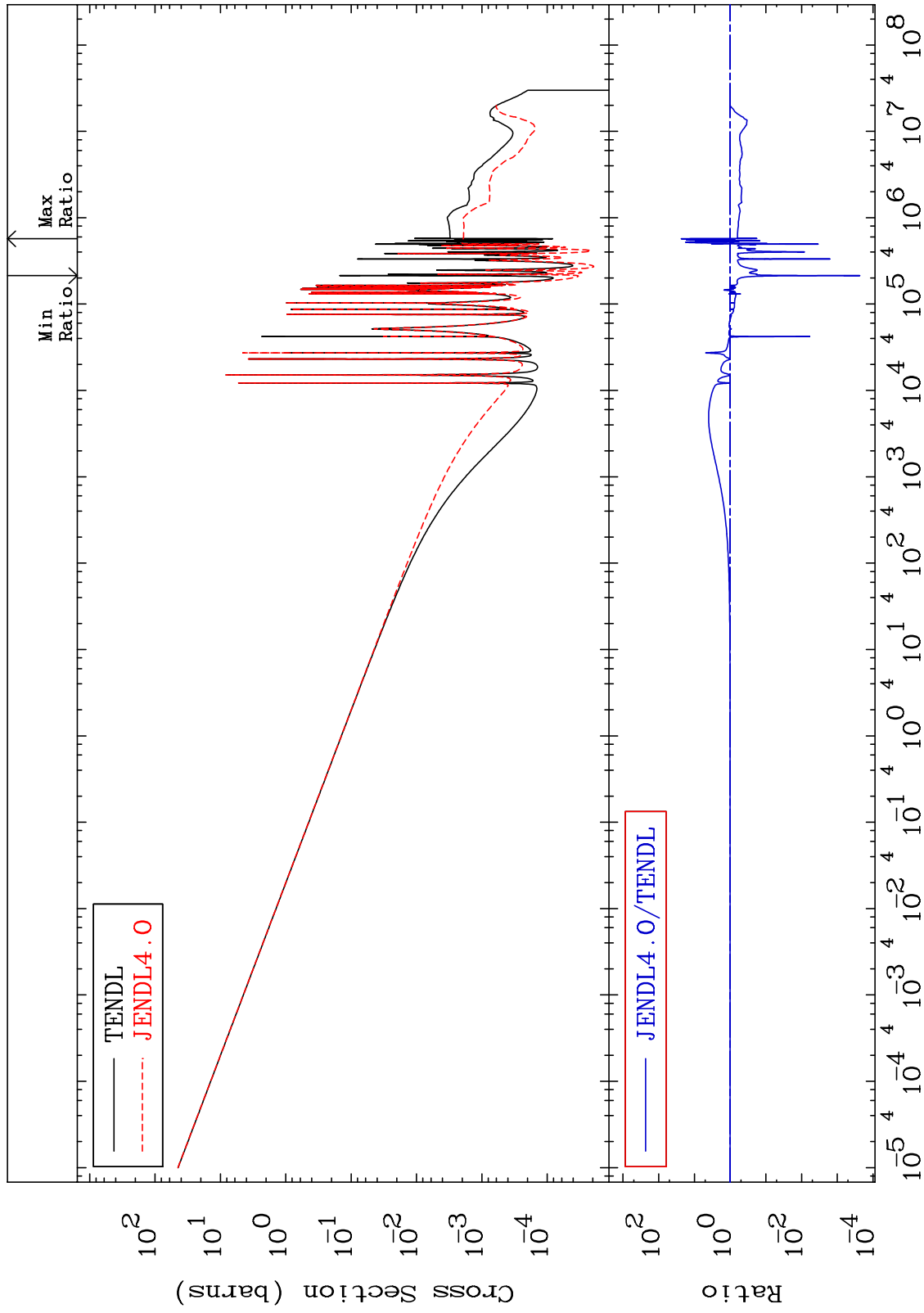


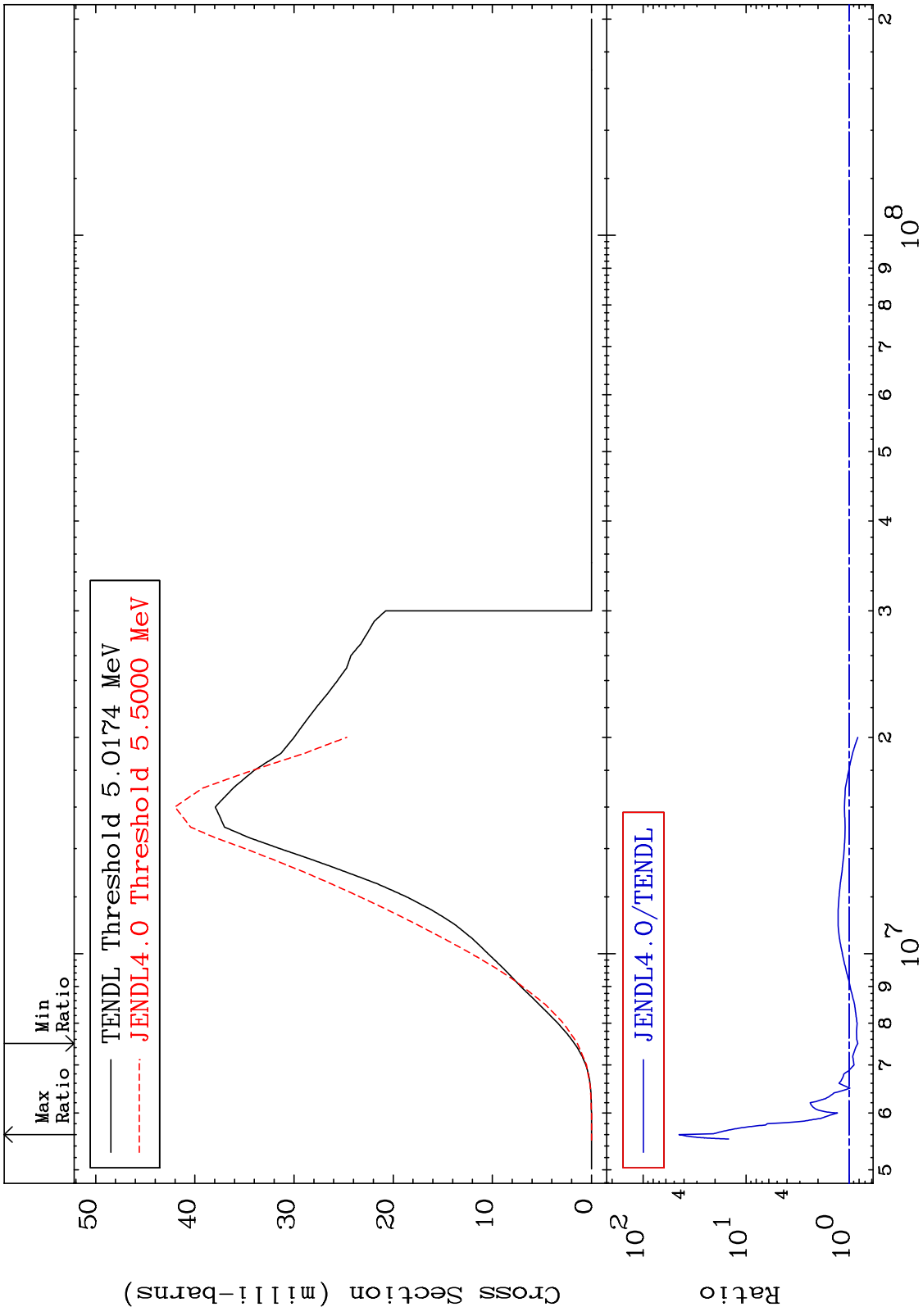
37

MAT 2037

(n,  $\gamma$ )  
Cross Section

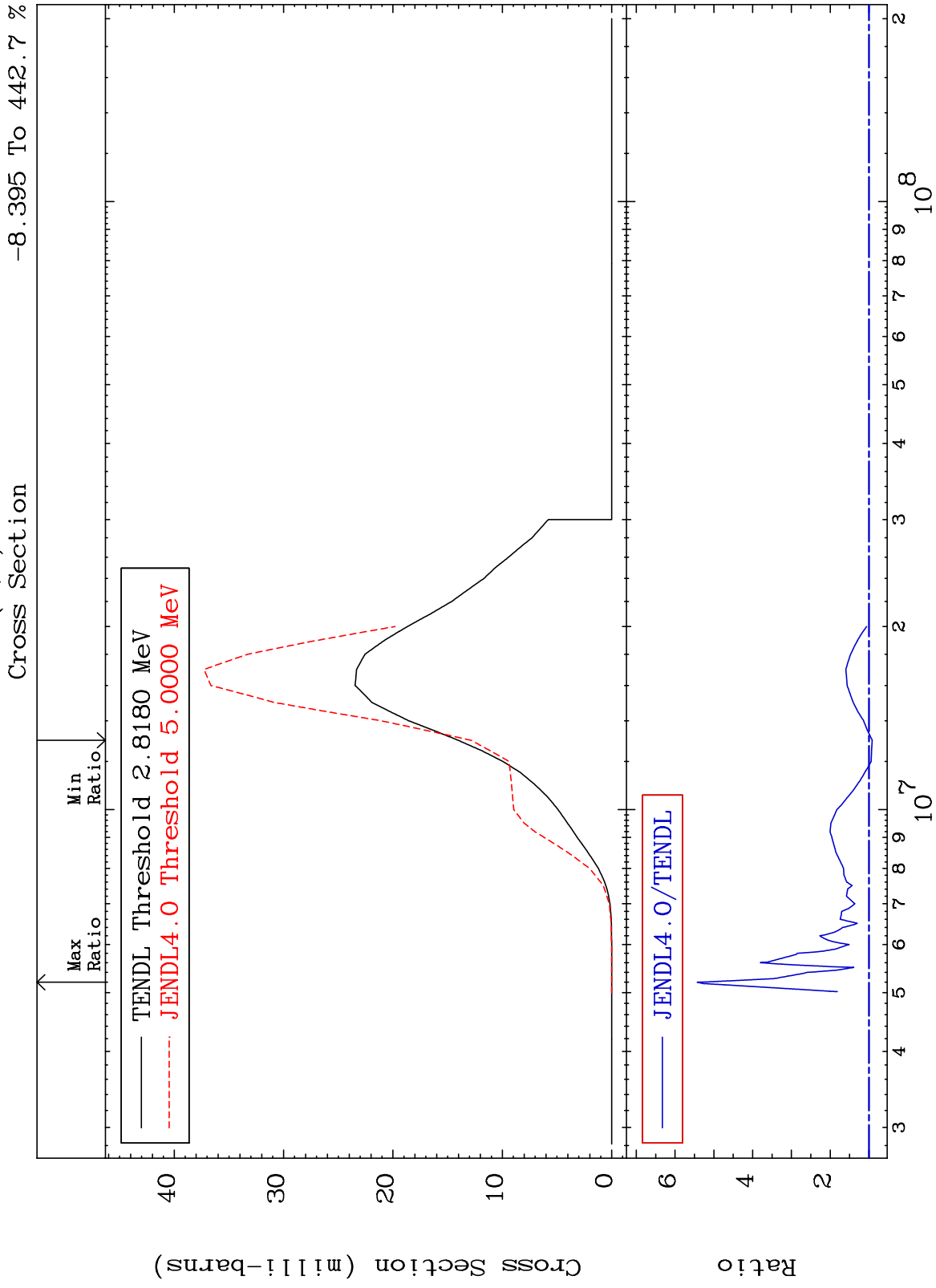
20-Ca-44  
-99.98 To 2238. %







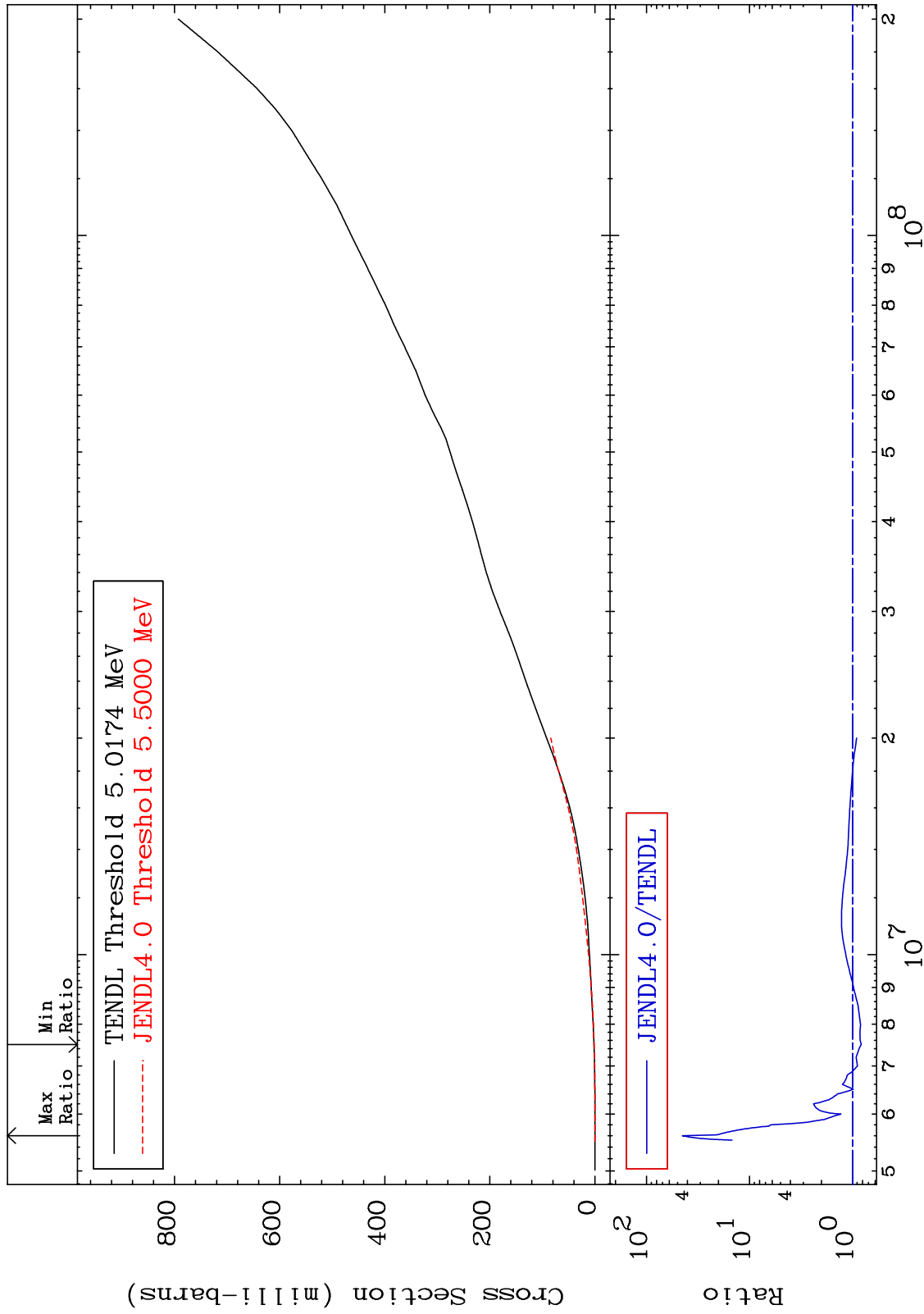
MAT 2037  $(n, \alpha)$  20-Ca-44 -8.395 To 442.7 %



MAT 2037

Hydrogen Production  
Cross Section

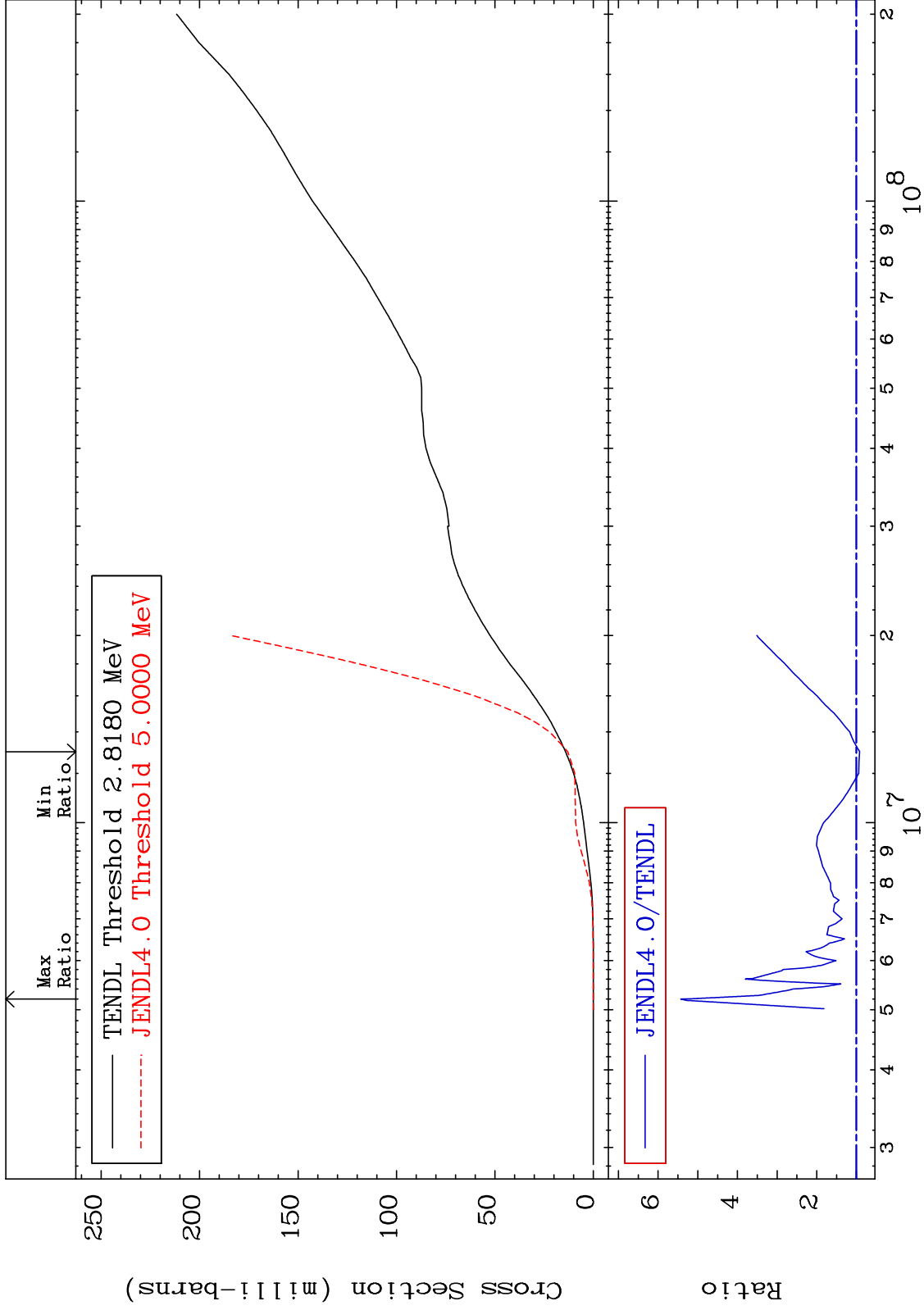
20-Ca-44  
-17.87 To 4378. %



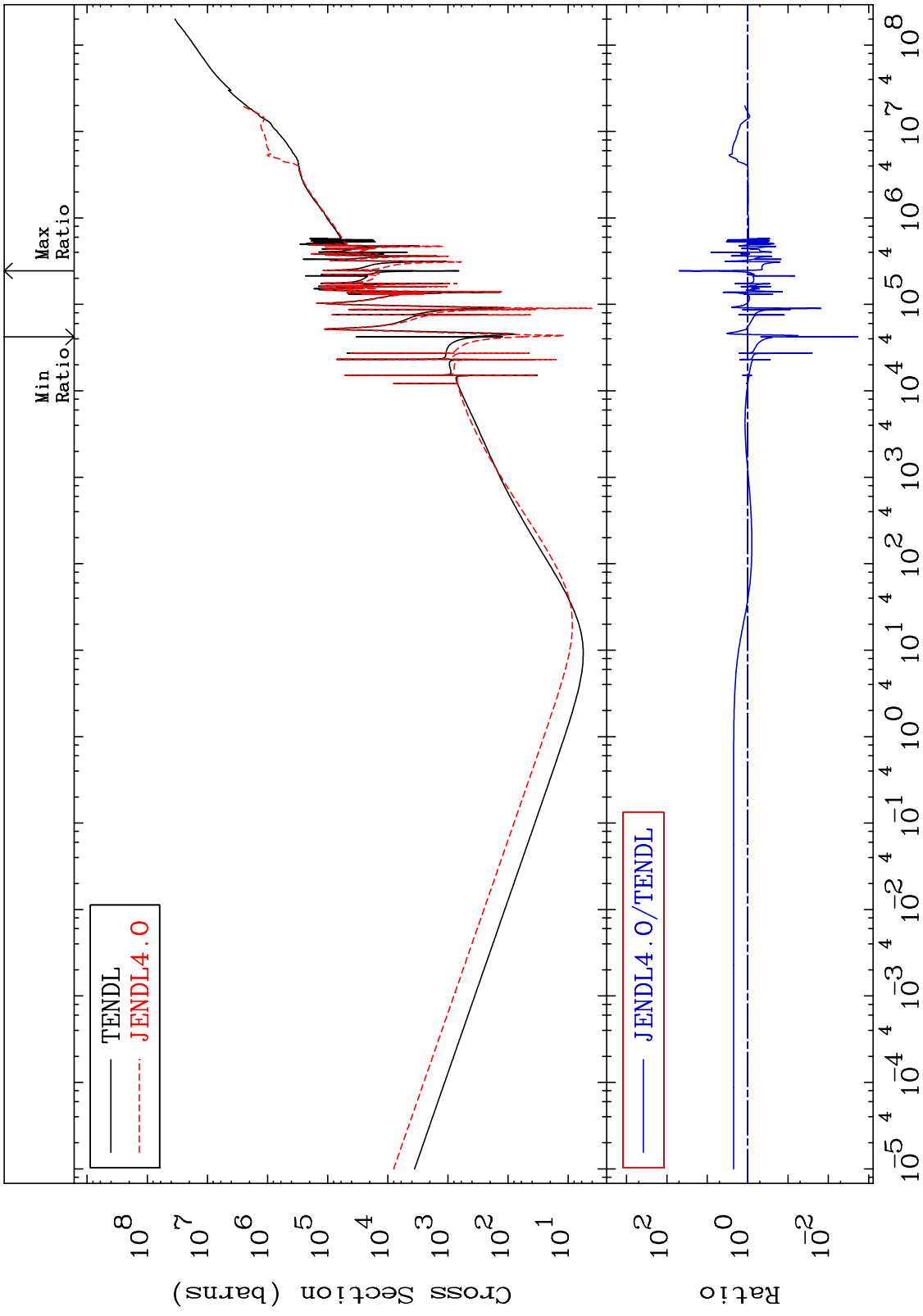
MAT 2037

He-4 Production  
Cross Section

20-Ca-44  
-8.135 To 442.7 %



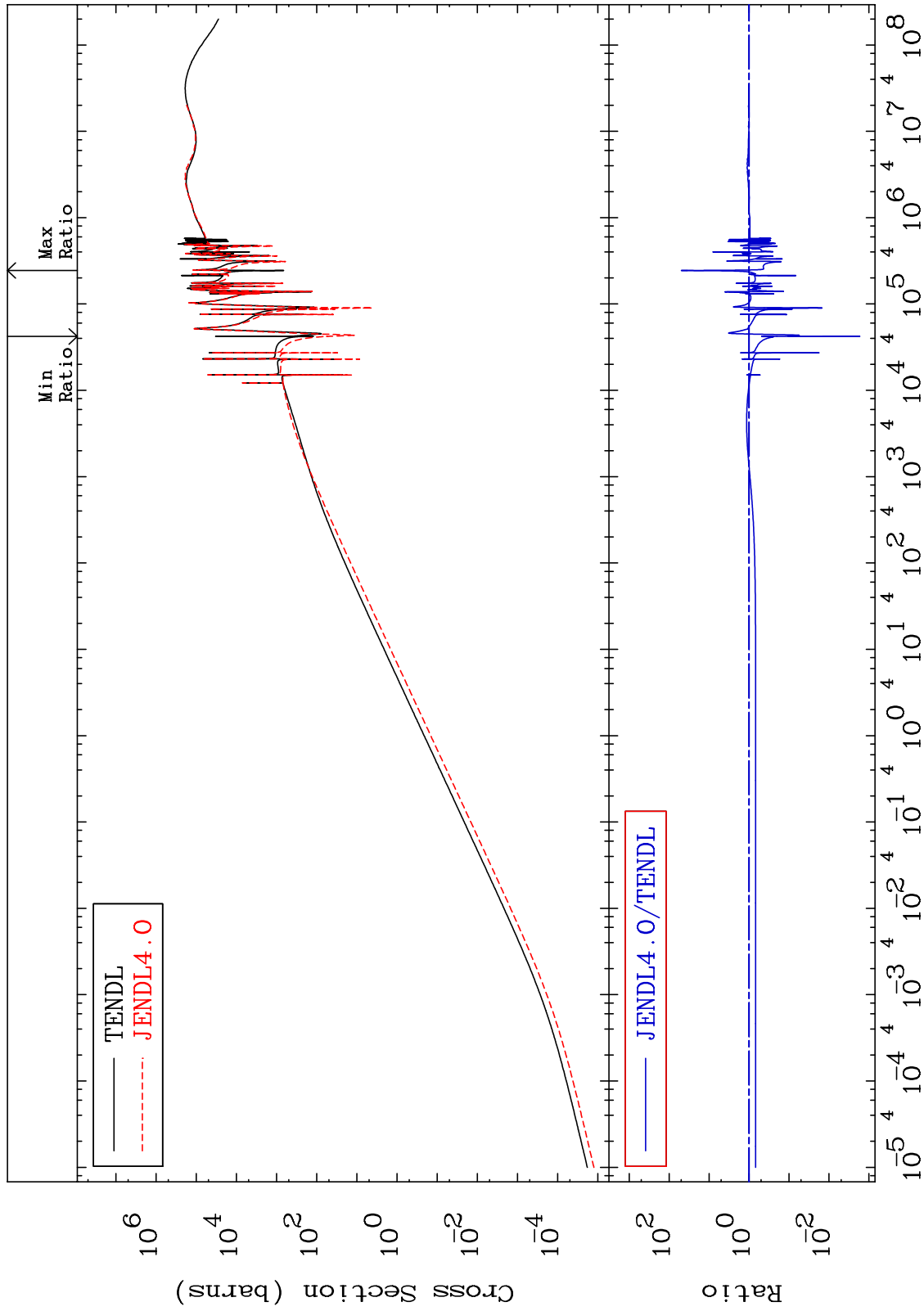
MAT 2037 Kerma total (eV-barns) Cross Section 20-Ca-44 -99.81 To 4893. %



MAT 2037

Kerma elastic  
Cross Section

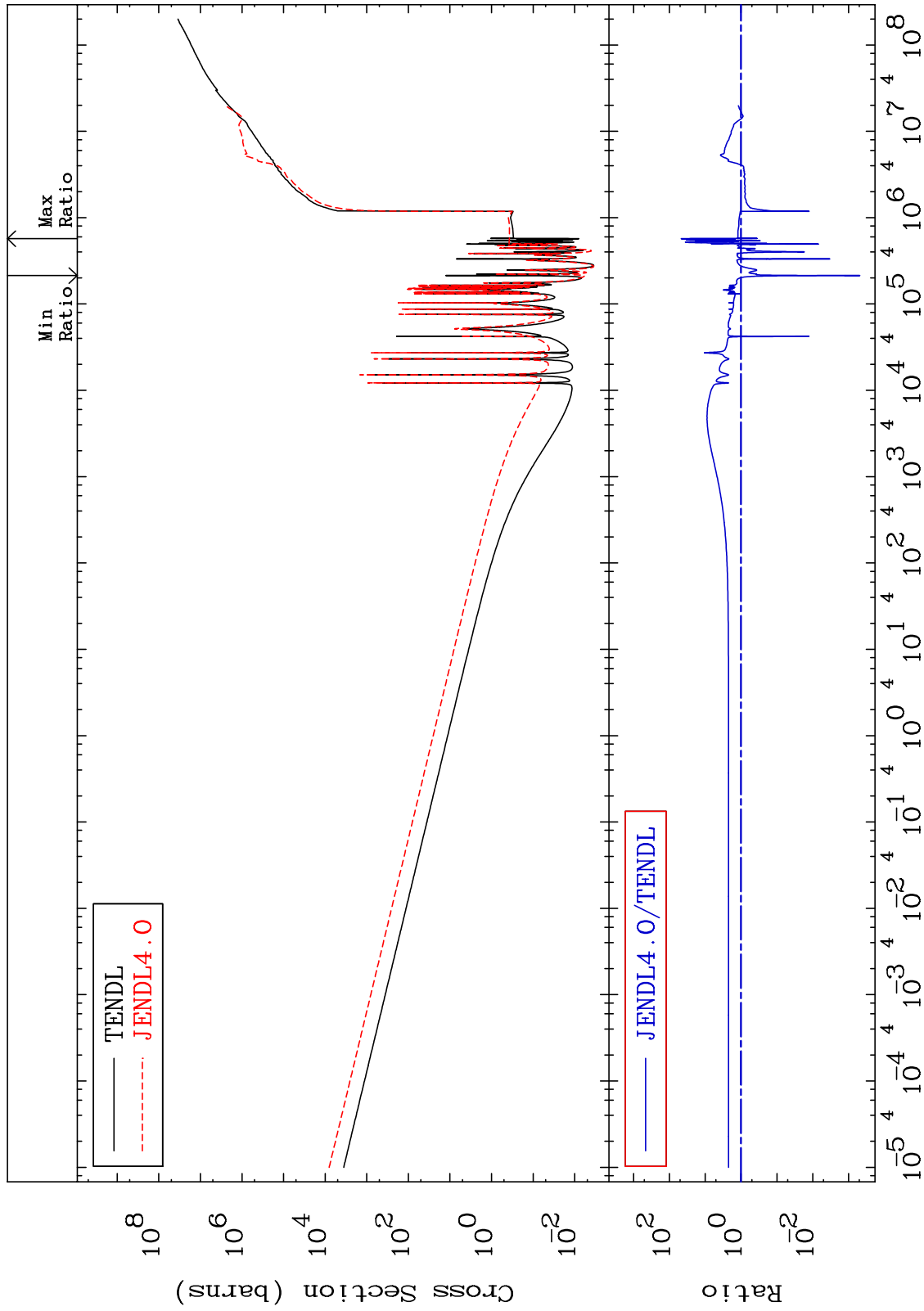
20-Ca-44  
-99.83 To 4893. %



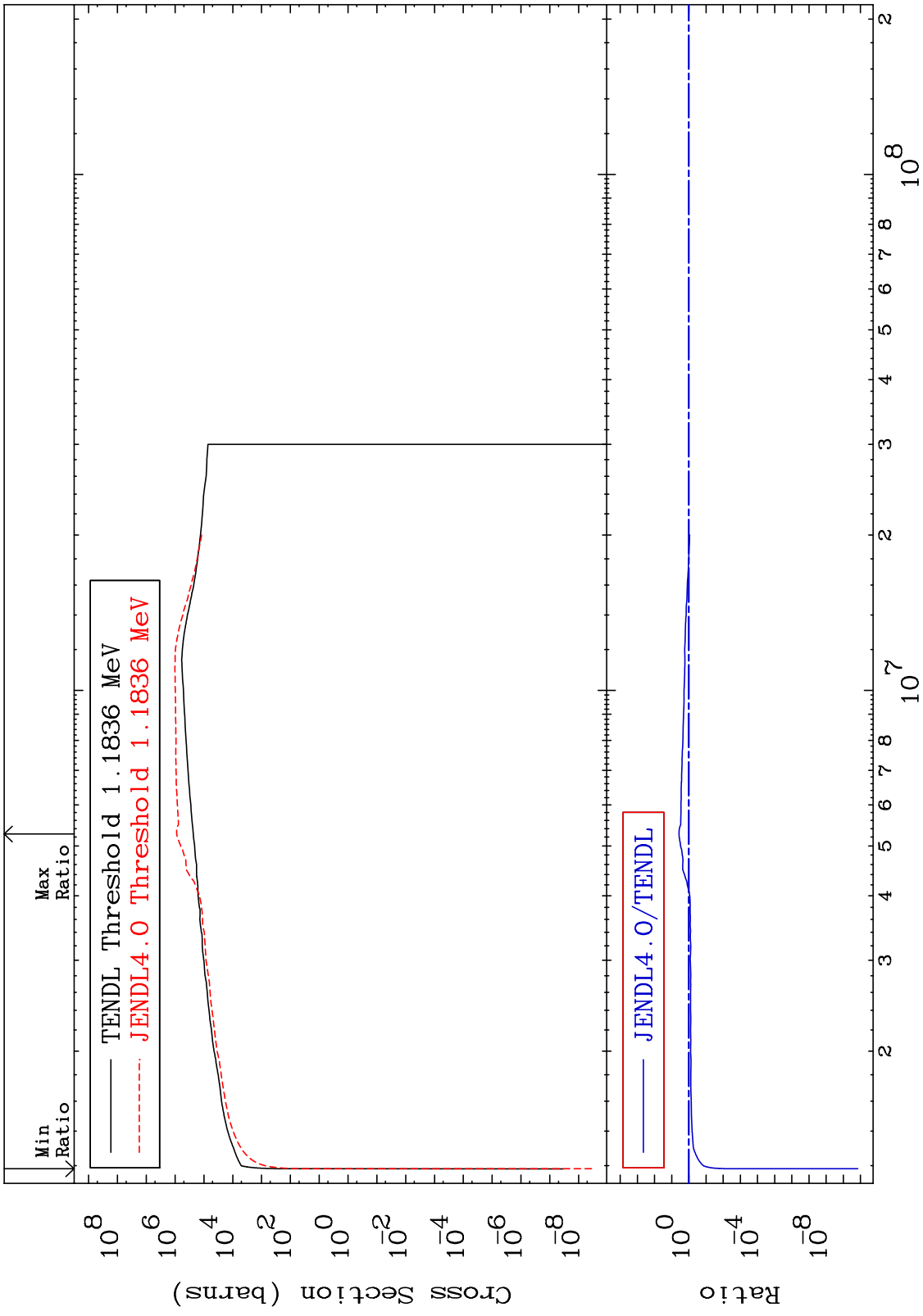
MAT 2037

Kerma non-elastic (all but mt2)  
Cross Section

20-Ca-44  
-99.95 To 4558. %



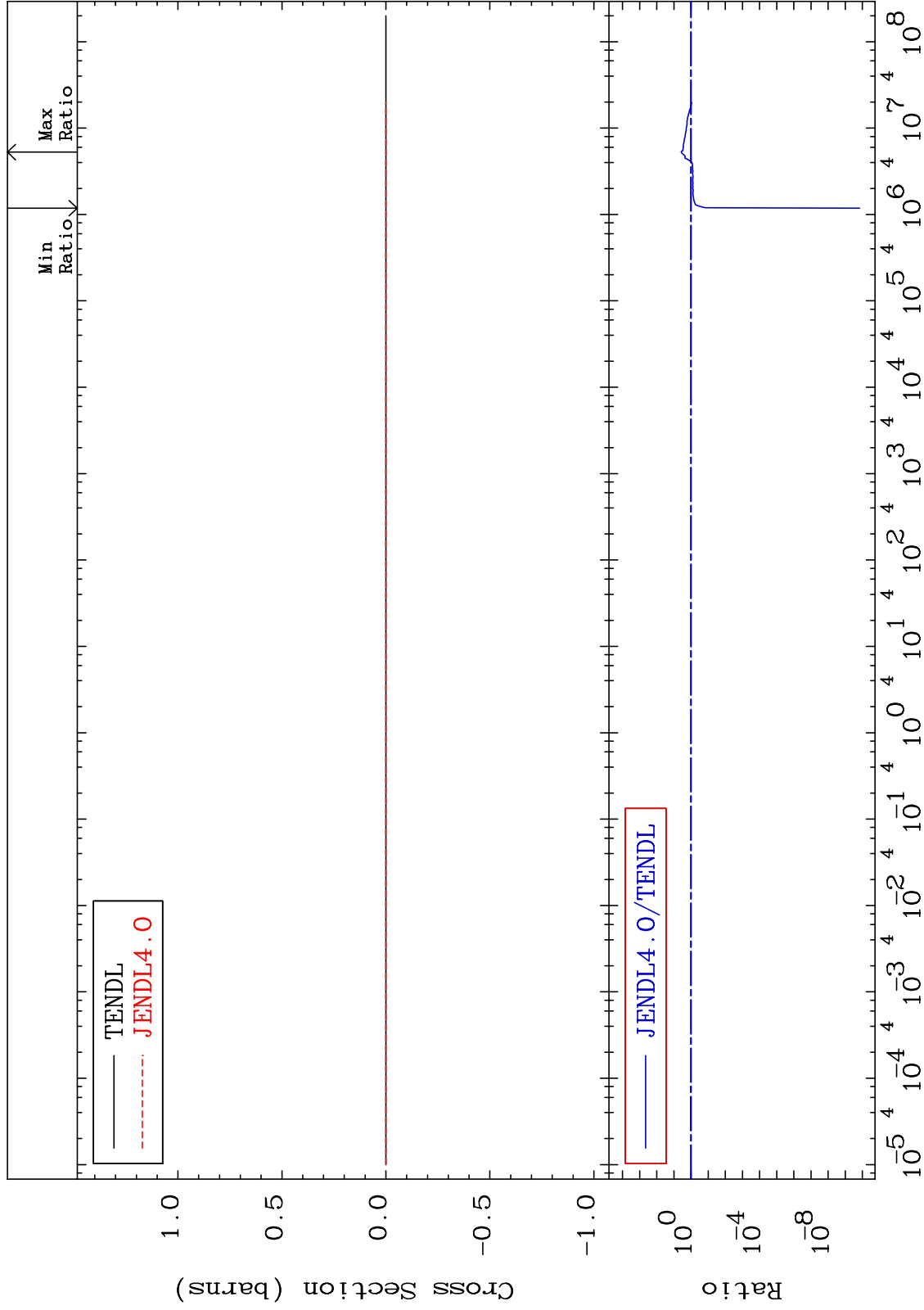
MAT 2037 Kerma inelastic (mt51-91) 20-Ca-44  
 Cross Section -100.0 To 275.3 %



MAT 2037

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

20-Ca-44  
-100.0 To 275.3 %

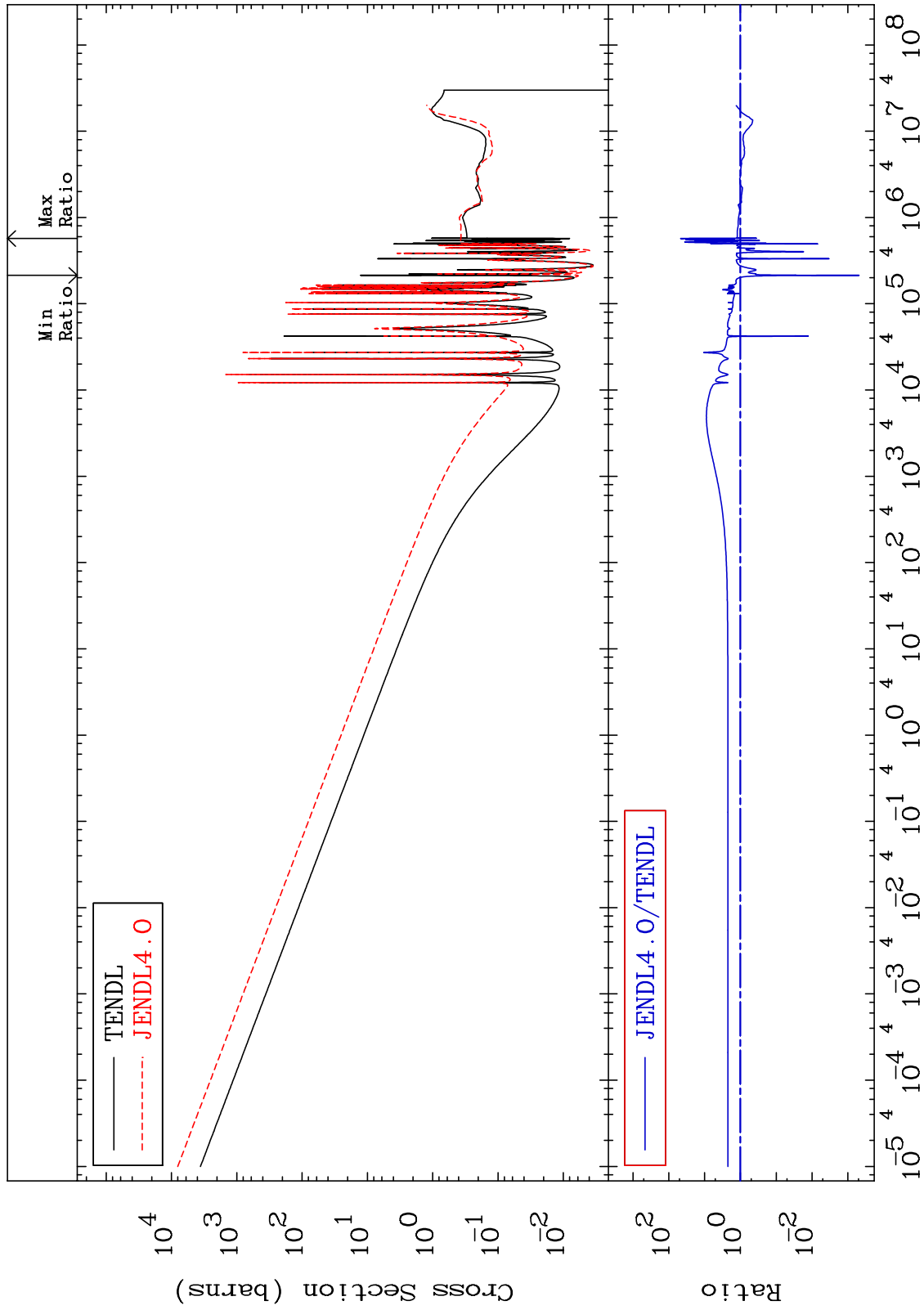




MAT 2037

Kerma capture (mt102)  
Cross Section

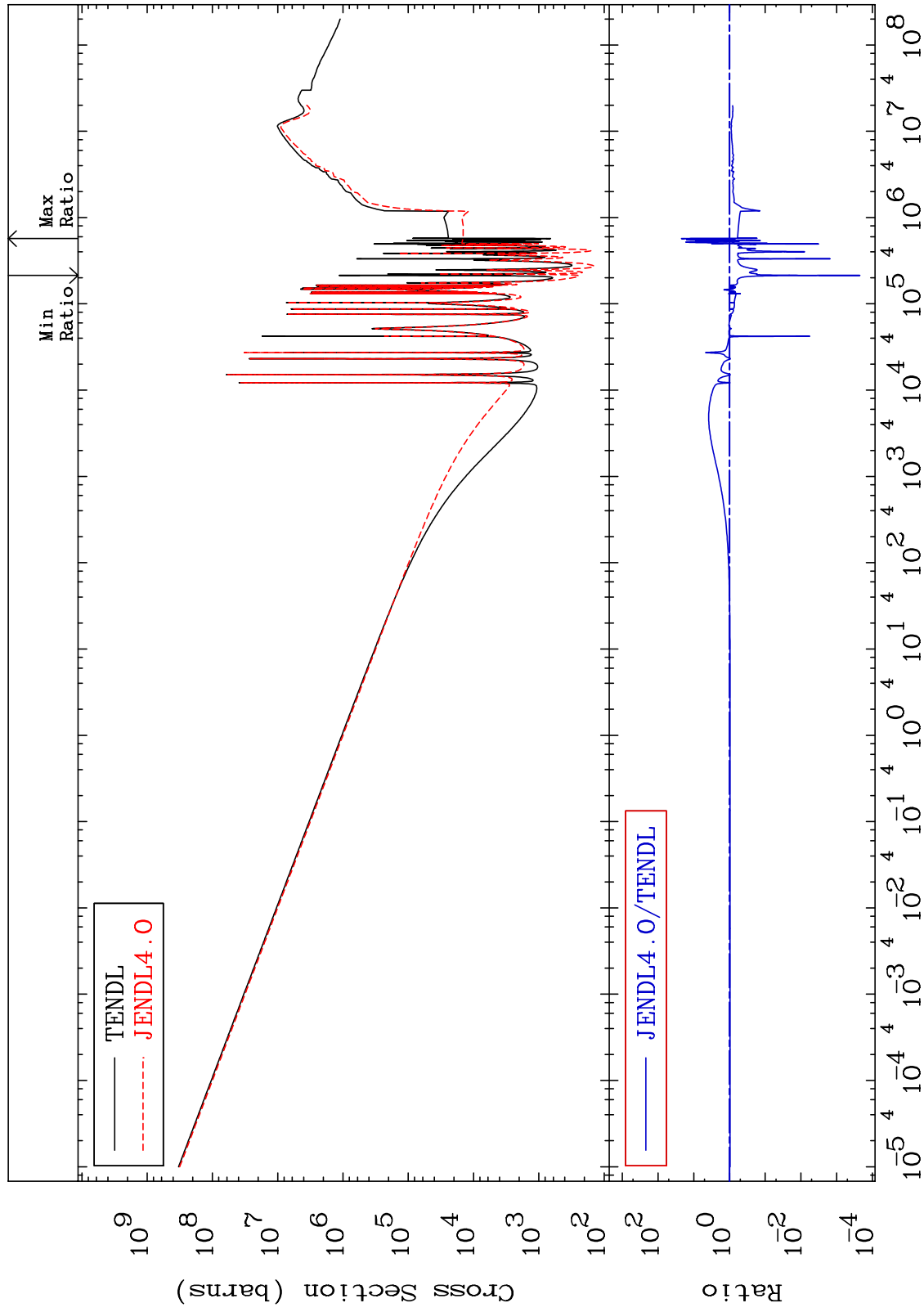
20-Ca-44  
-99.95 To 4558. %



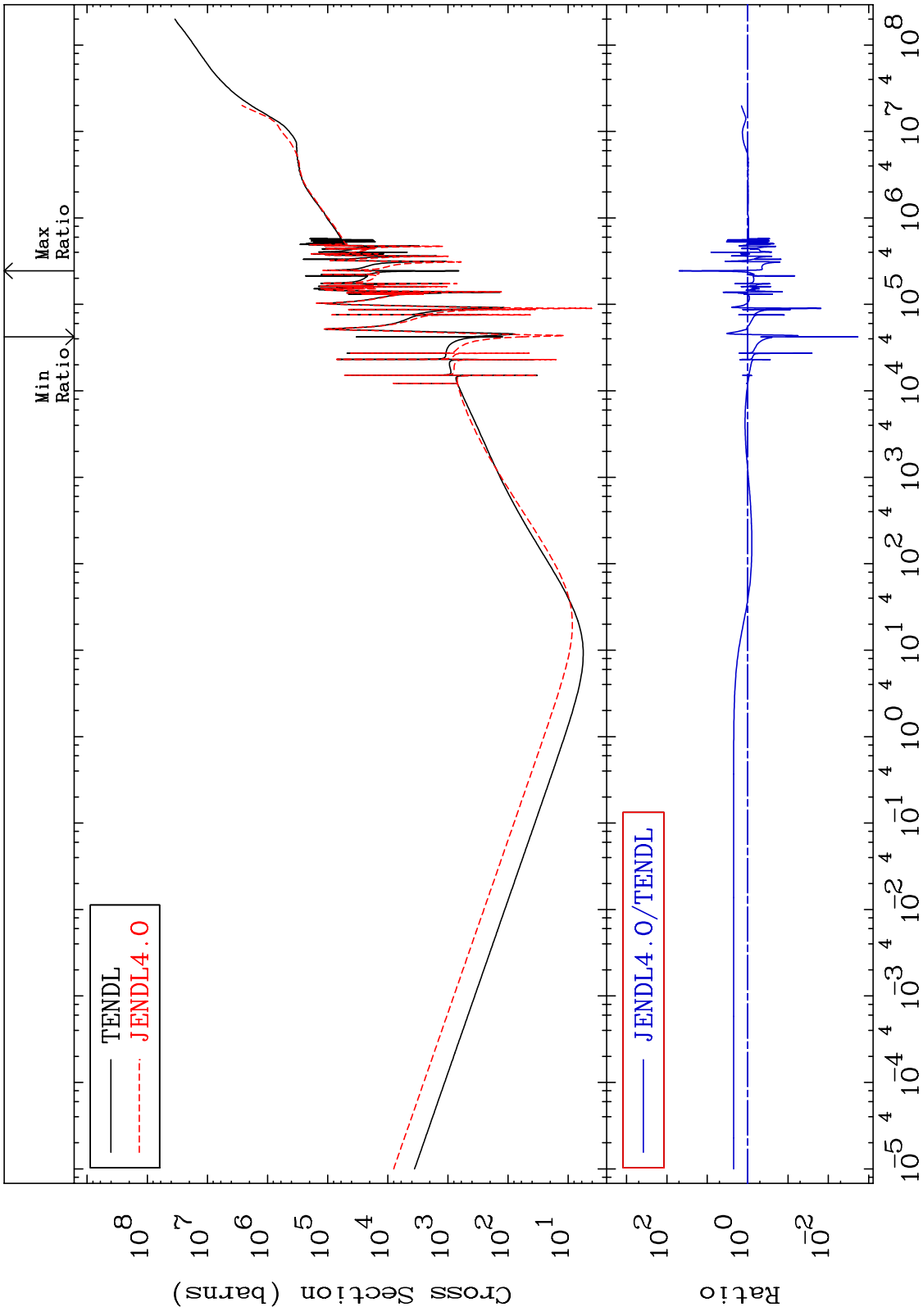
MAT 2037

Total photon (eV-barns)  
Cross Section

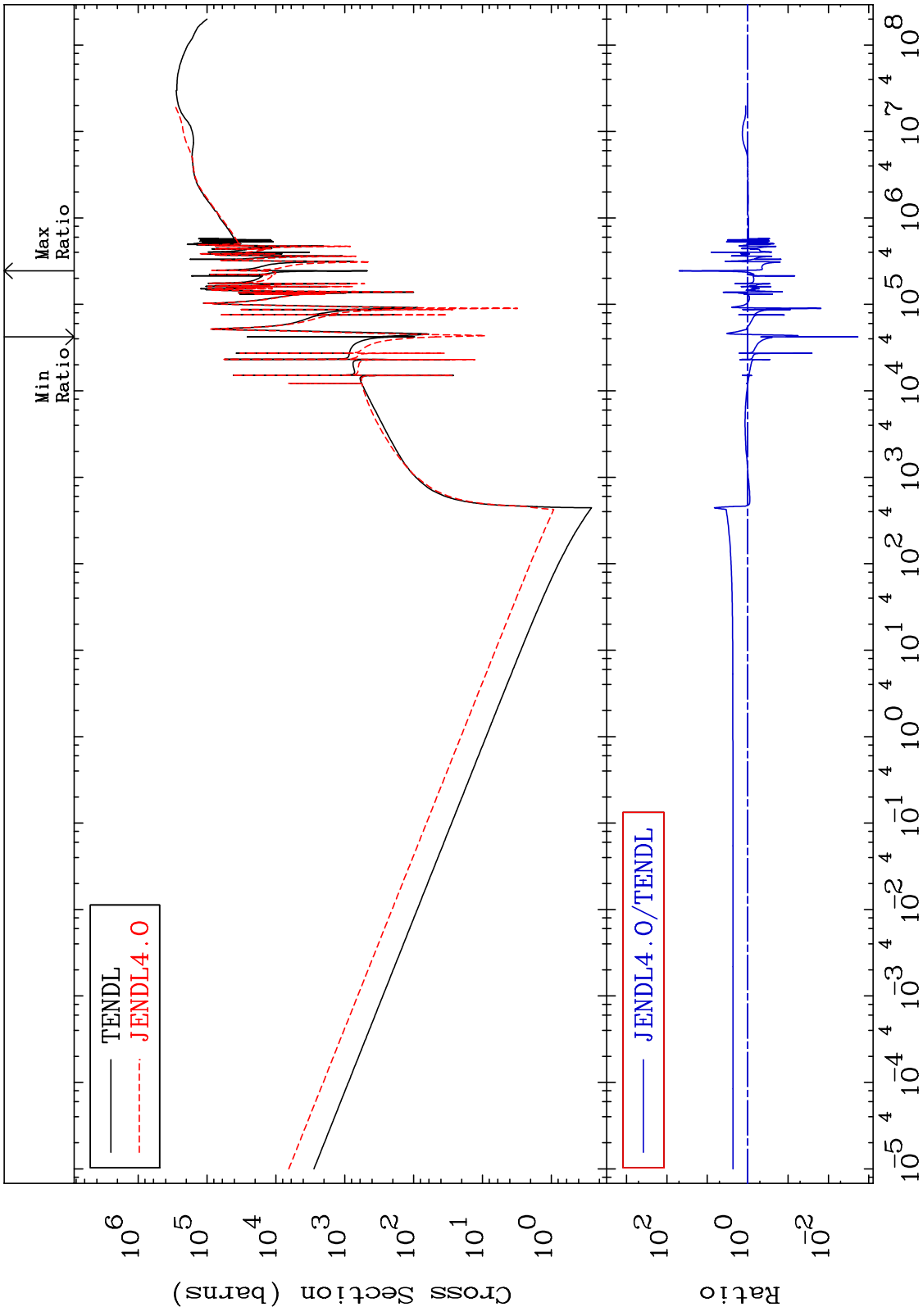
20-Ca-44  
-99.98 To 2112. %



MAT 2037 Total kinematic kerma (high limit) 20-Ca-44  
 Cross Section -99.81 To 4893. %



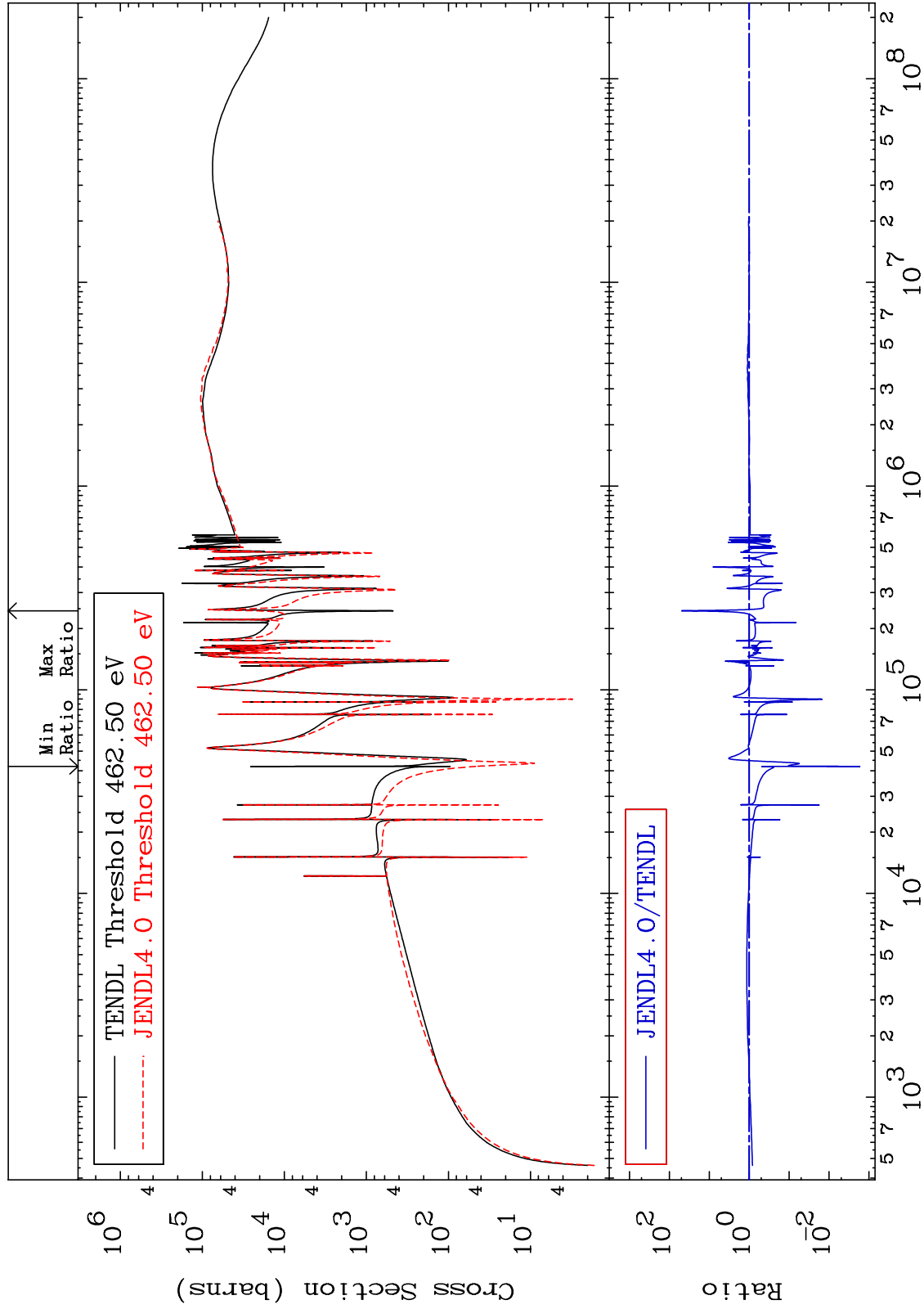
MAT 2037      Dpa total (eV-barns)      20-Ca-44  
 Cross Section      -99.81 To 4893. %



MAT 2037

Dpa elastic (mt2)  
Cross Section

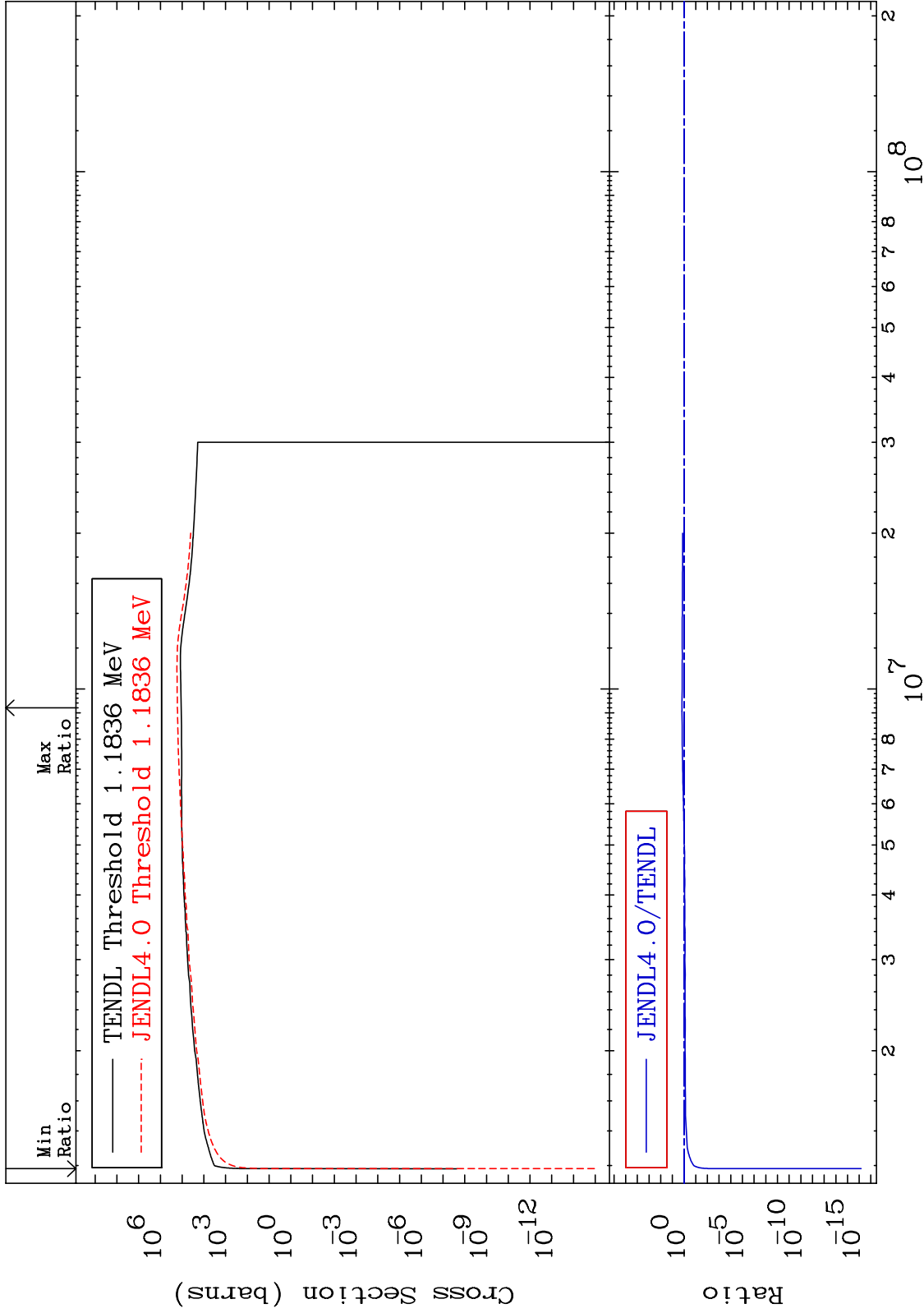
20-Ca-44  
-99.83 To 4894. %



MAT 2037

Dpa inelastic (mt51-91)  
Cross Section

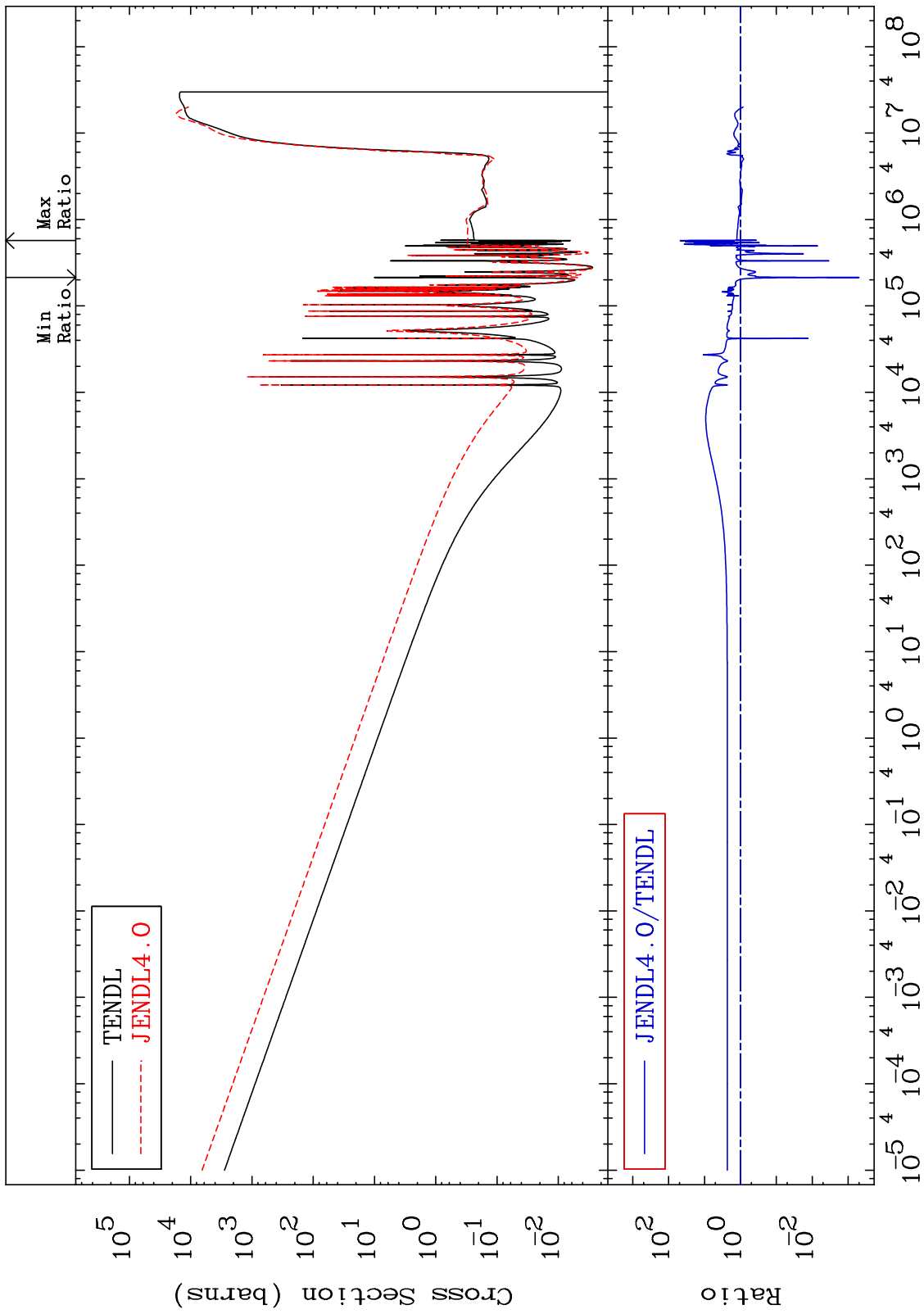
20-Ca-44  
-100.0 To 49.12 %



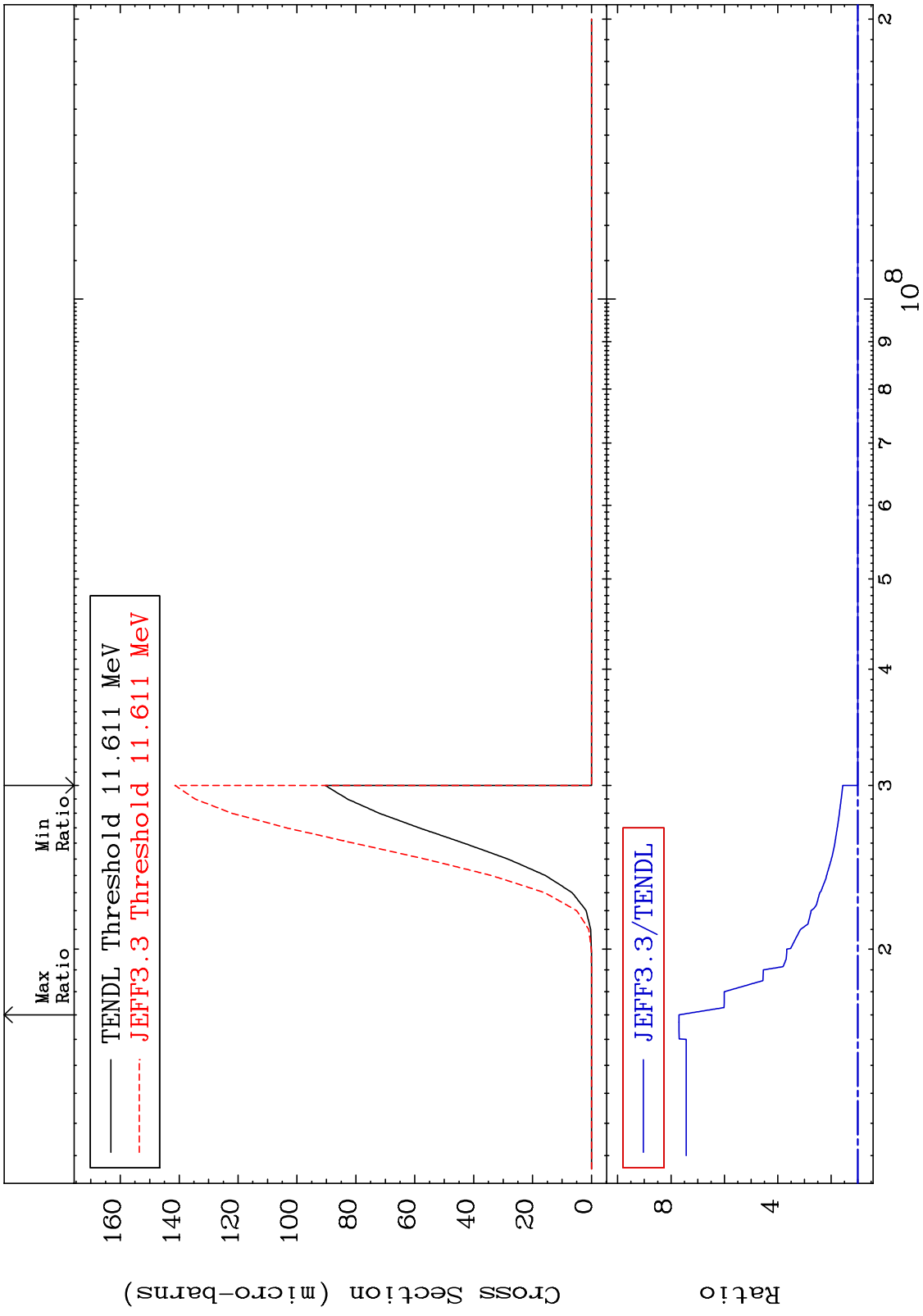
MAT 2037

Dpa disappearance (mt102 -120)  
Cross Section

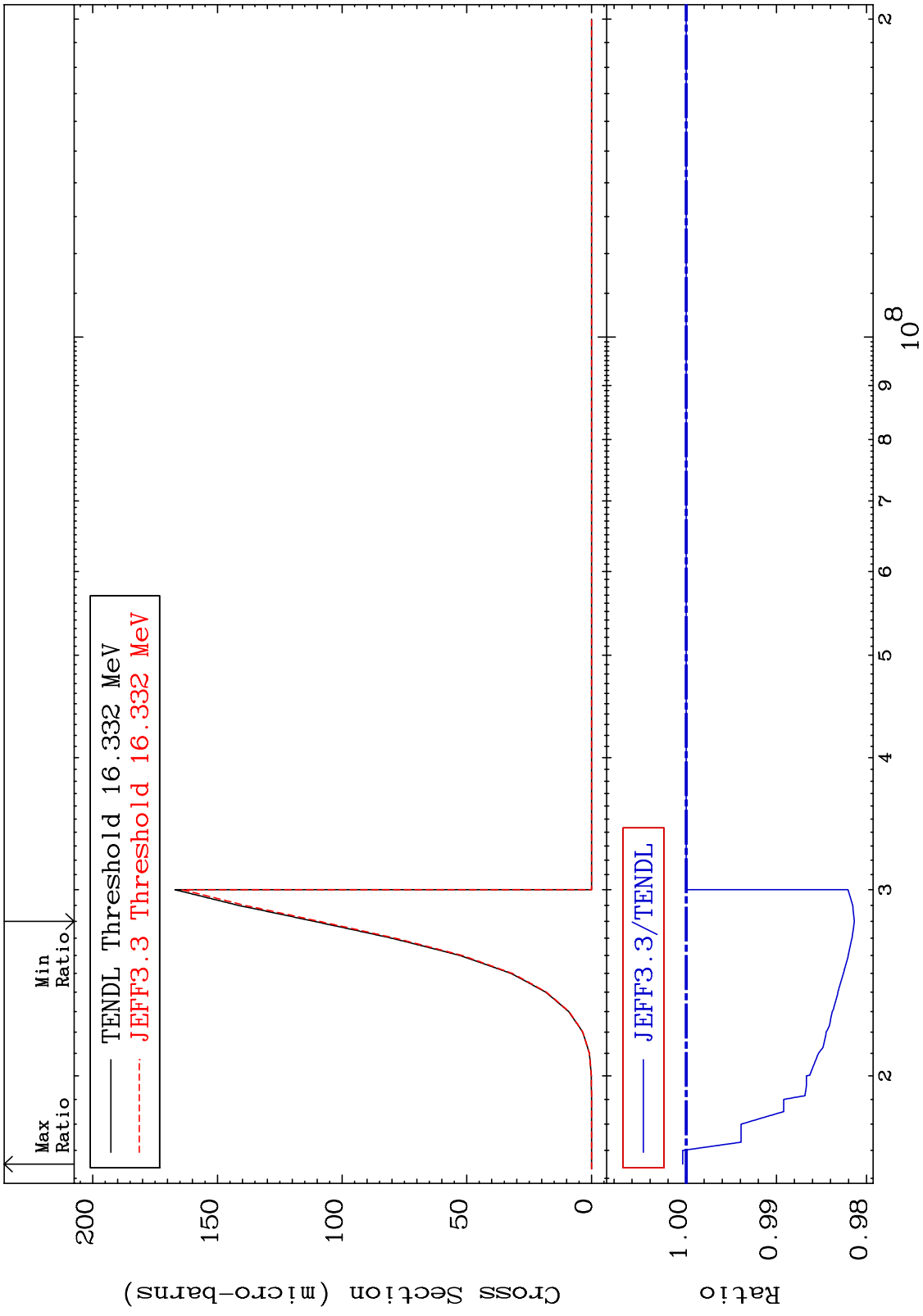
20-Ca-44  
-99.95 To 4665. %



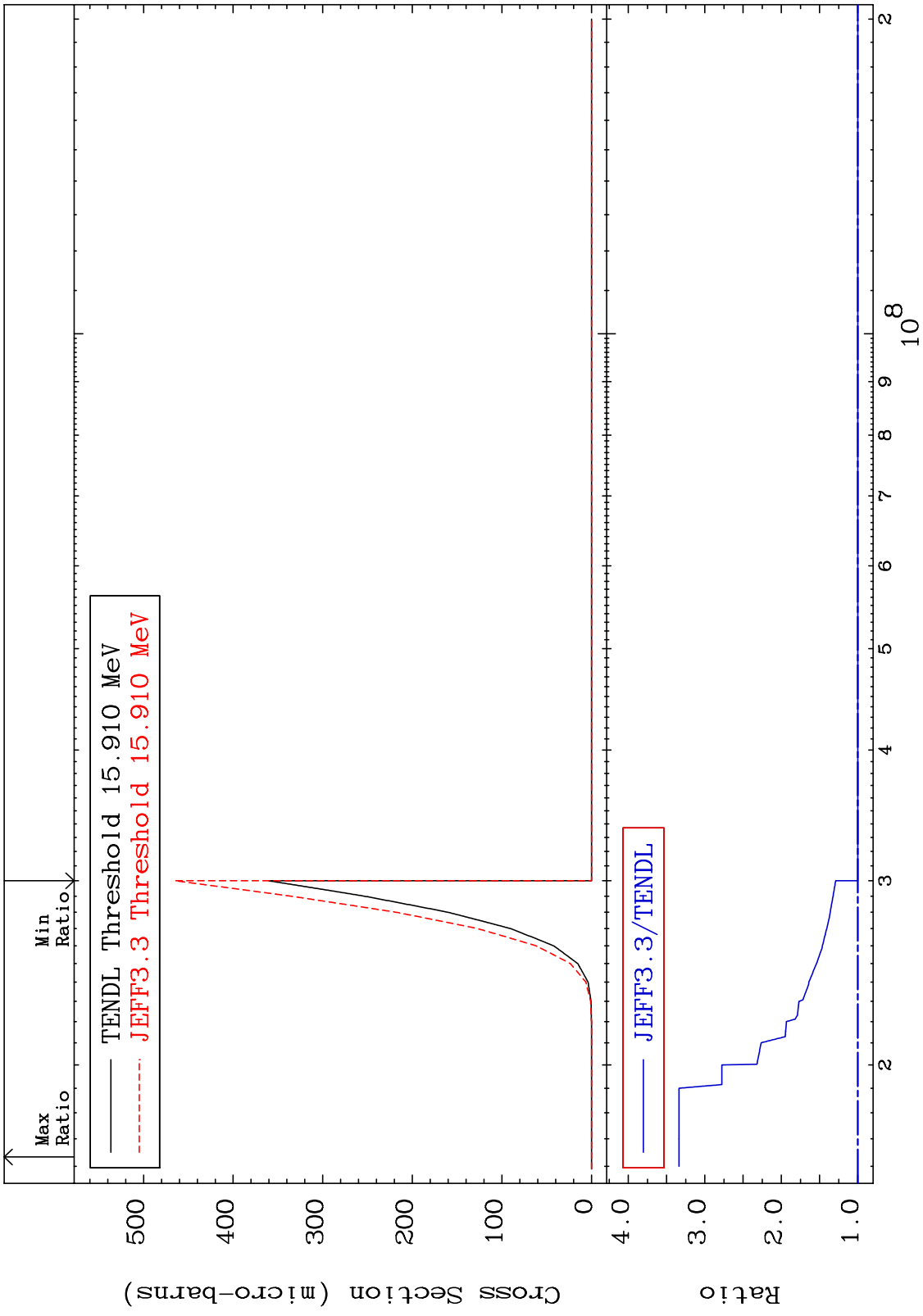
MAT 2037 (n,2α) Cross Section 20-Ca-44 To 669.9 %



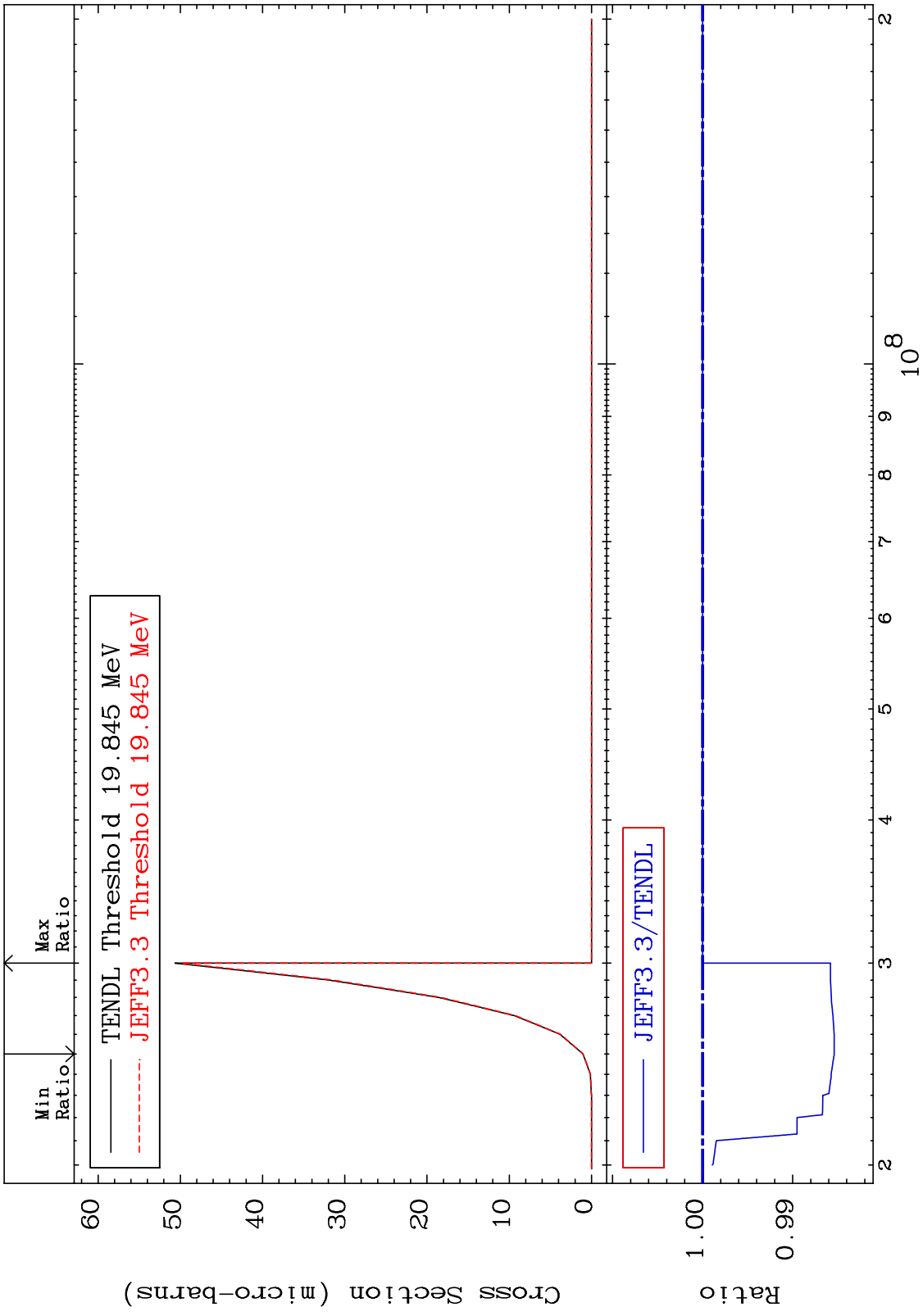




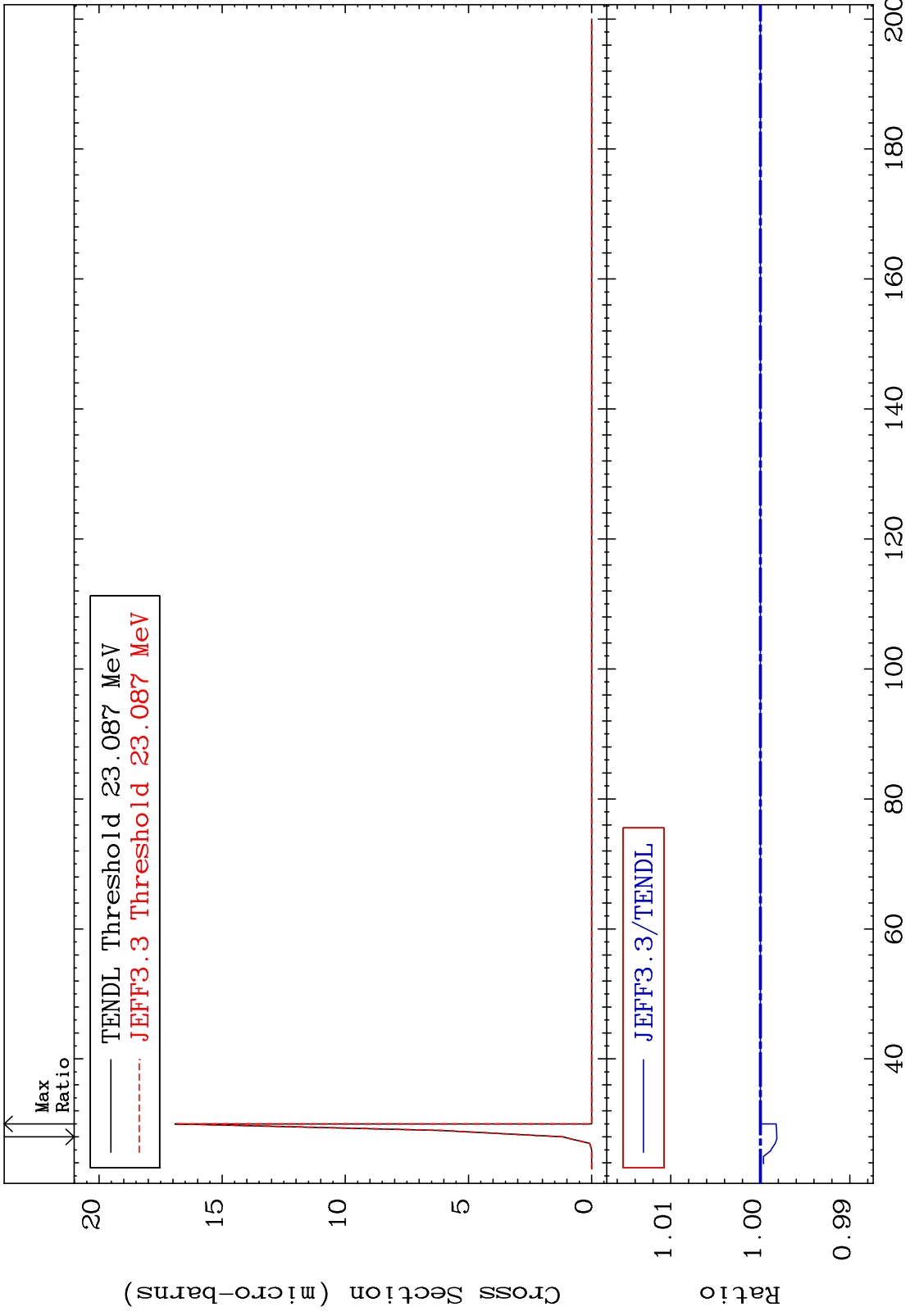
MAT 2037  $(n,p) \alpha$  20-Ca-44  
 Cross Section 0.000 To 233.7 %



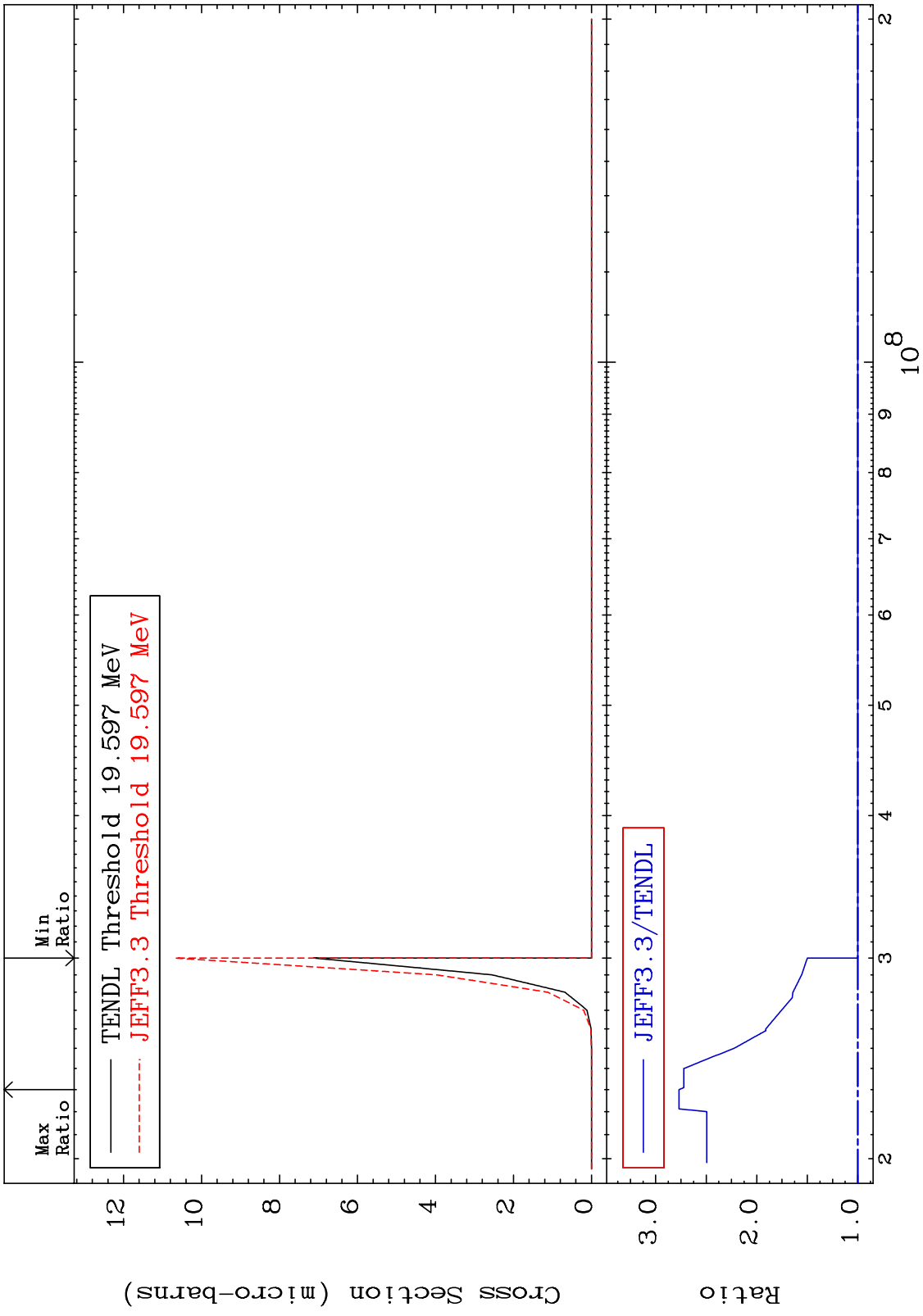
MAT 2037 (n,p) d 20-Ca-44  
 Cross Section -1.461 To 0.000 %



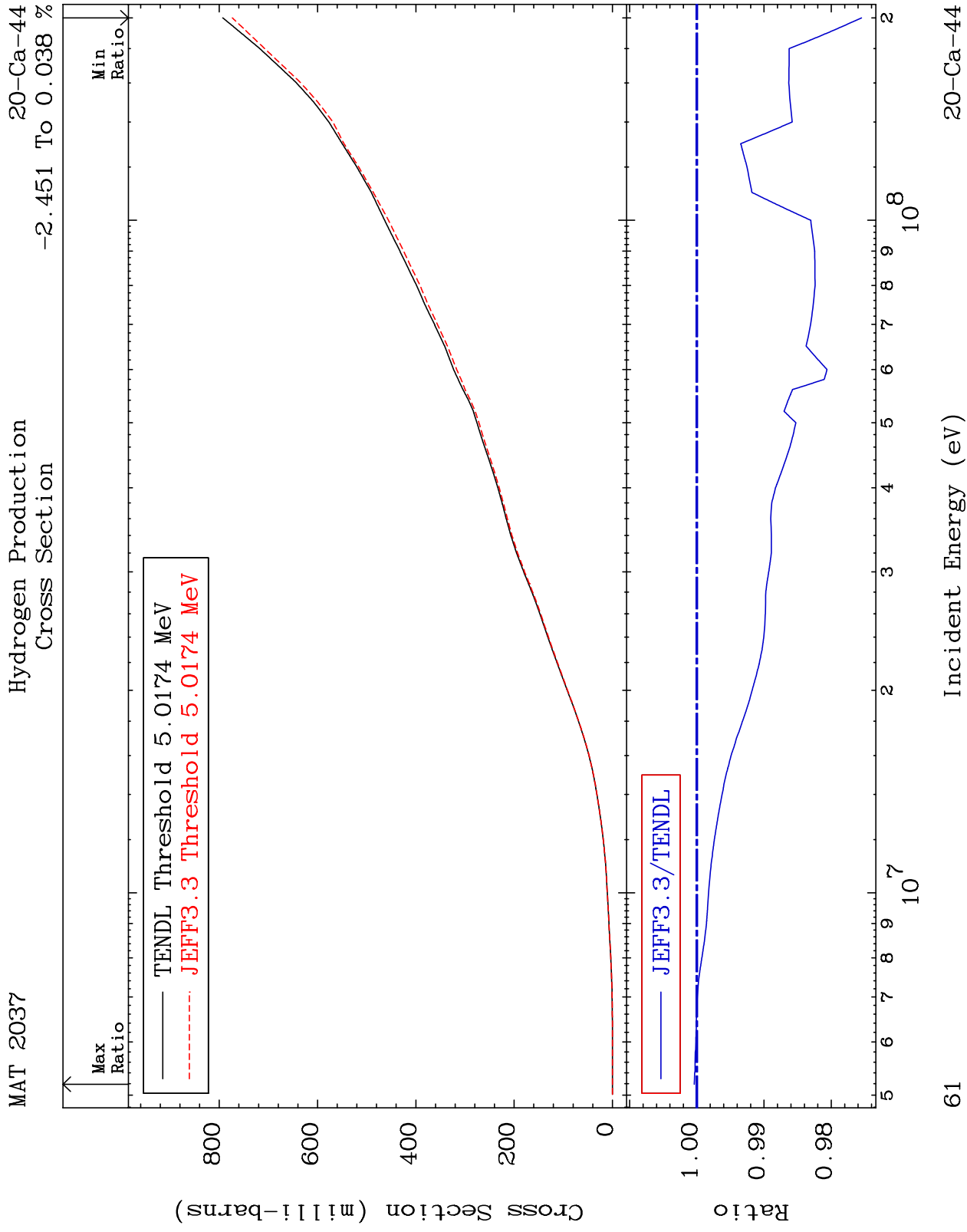
MAT 2037 (n,p) t 20-Ca-44  
Cross Section -0.183 To 0.000 %



MAT 2037 (n,d)  $\alpha$  20-Ca-44  
 Cross Section 0.000 To 176.9 %



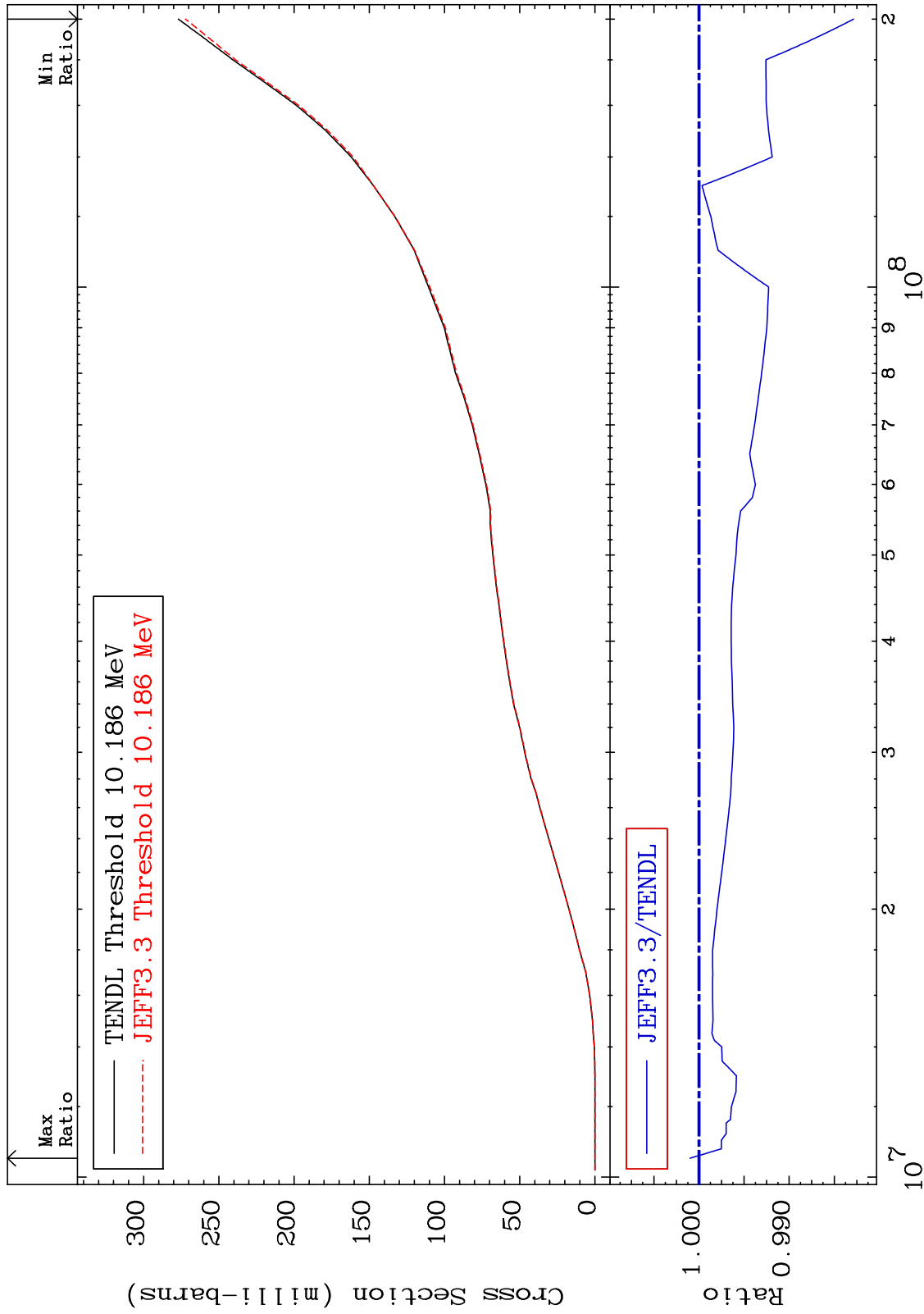
60 20-Ca-44



MAT 2037

Deuterium Production  
Cross Section

20-Ca-44  
-1.716 To 0.099 %



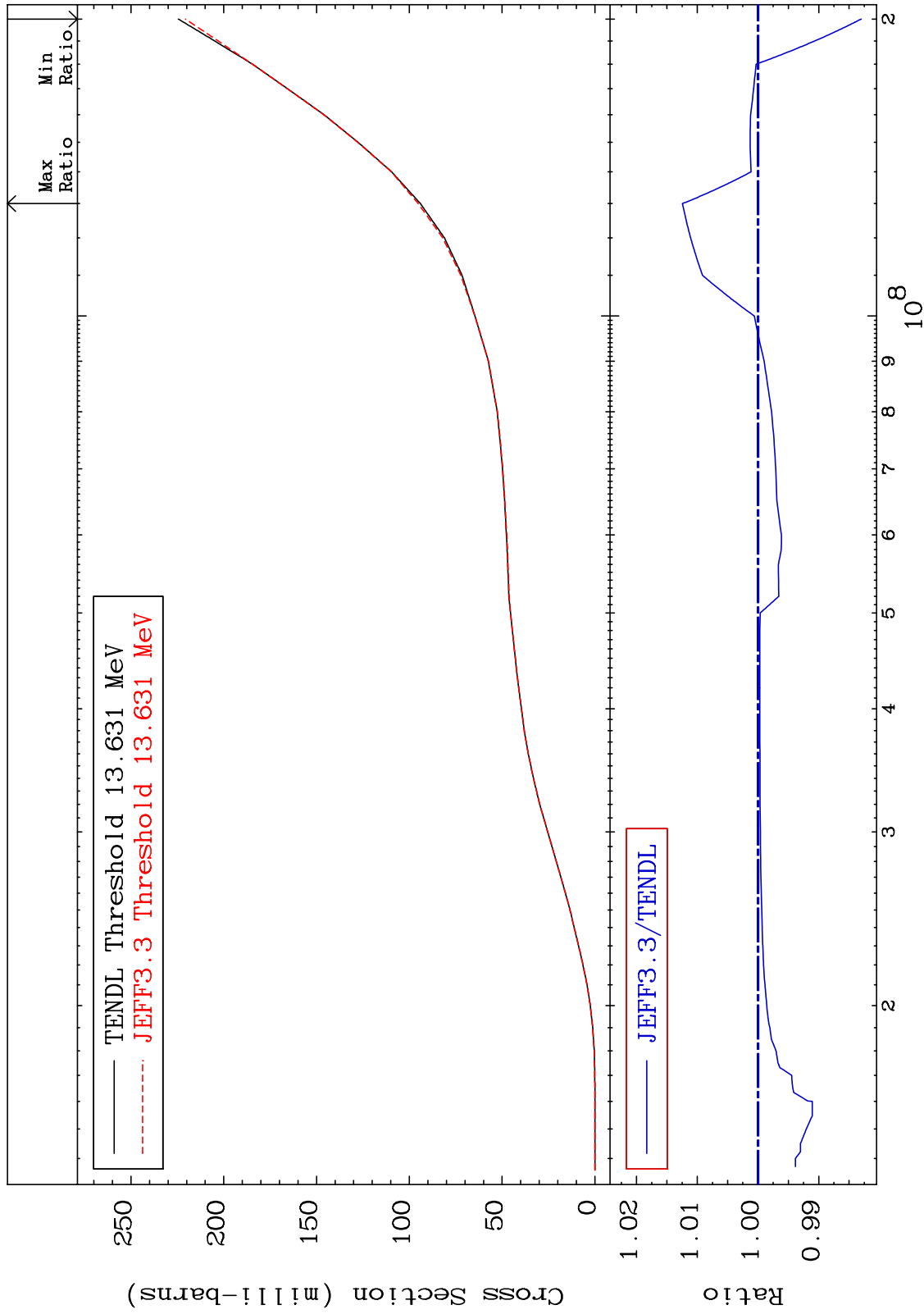
62

Incident Energy (eV)

20-Ca-44

Tritium Production  
Cross Section

20-Ca-44  
-1.701 To 1.244 %

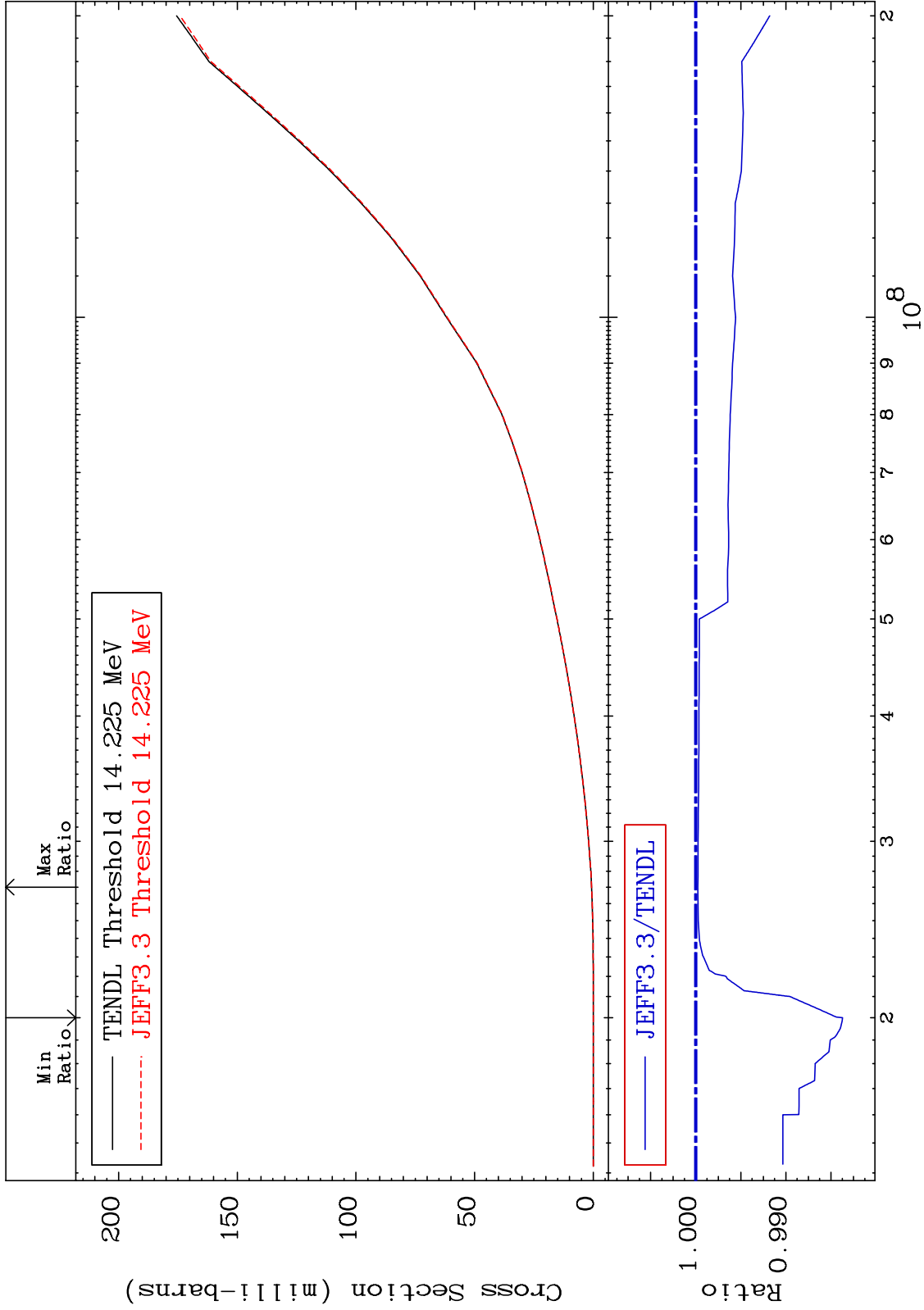




MAT 2037

He-3 Production  
Cross Section

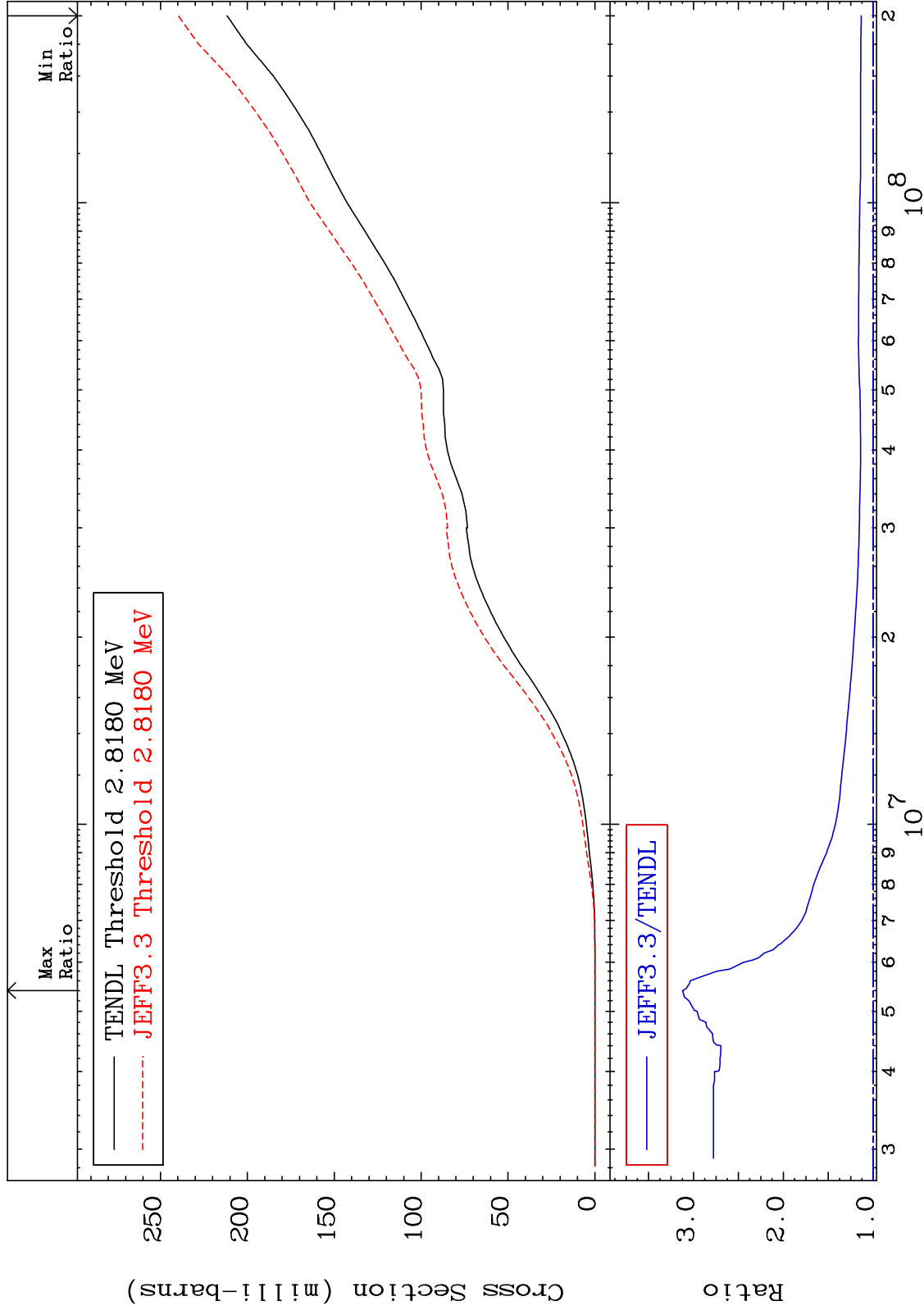
20-Ca-44  
-1.630 To -0.023%



MAT 2037

He-4 Production  
Cross Section

20-Ca-44  
13.27 To 212.3 %



65

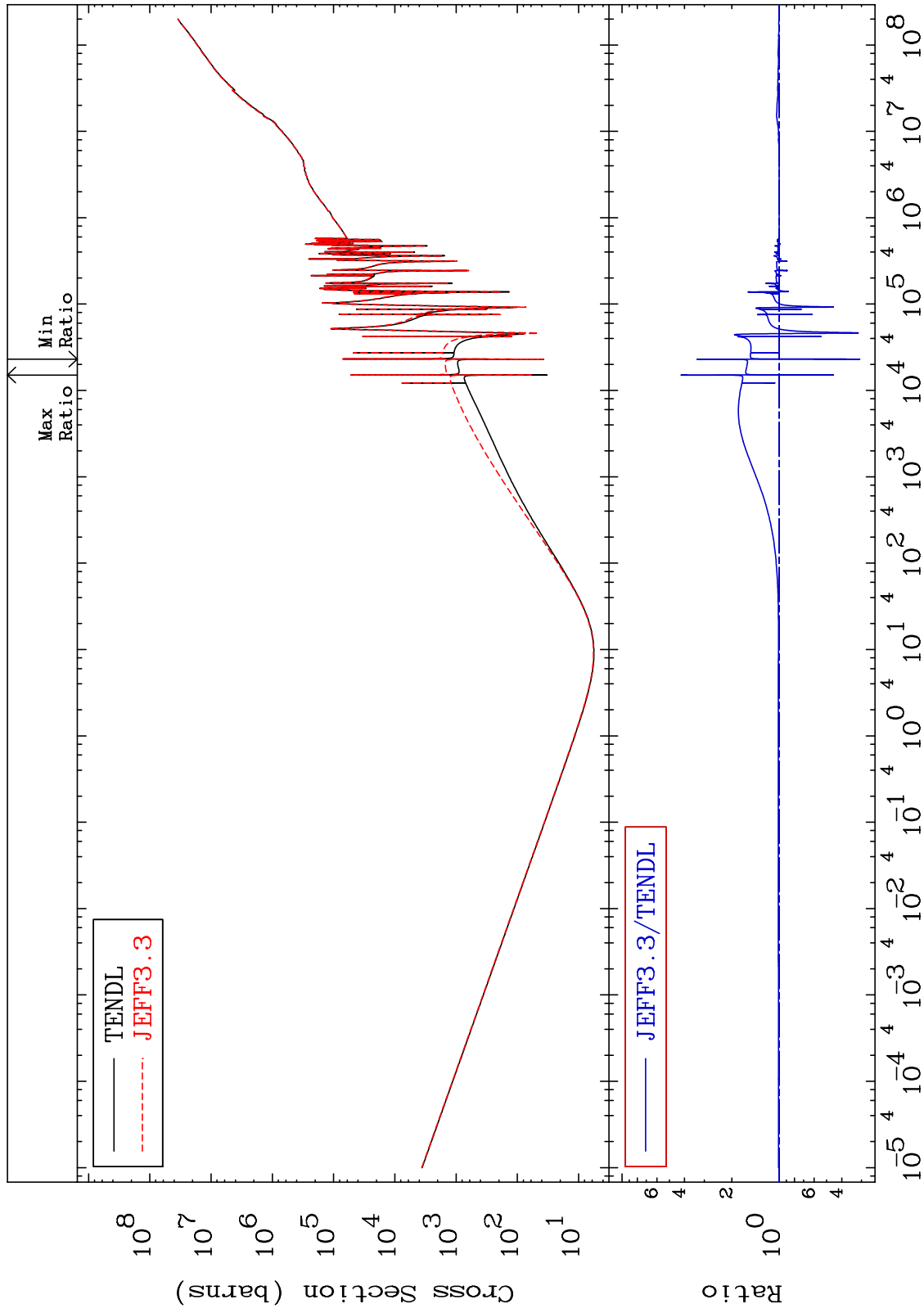
Incident Energy (eV)

20-Ca-44

MAT 2037

Kerma total (eV-barns)  
Cross Section

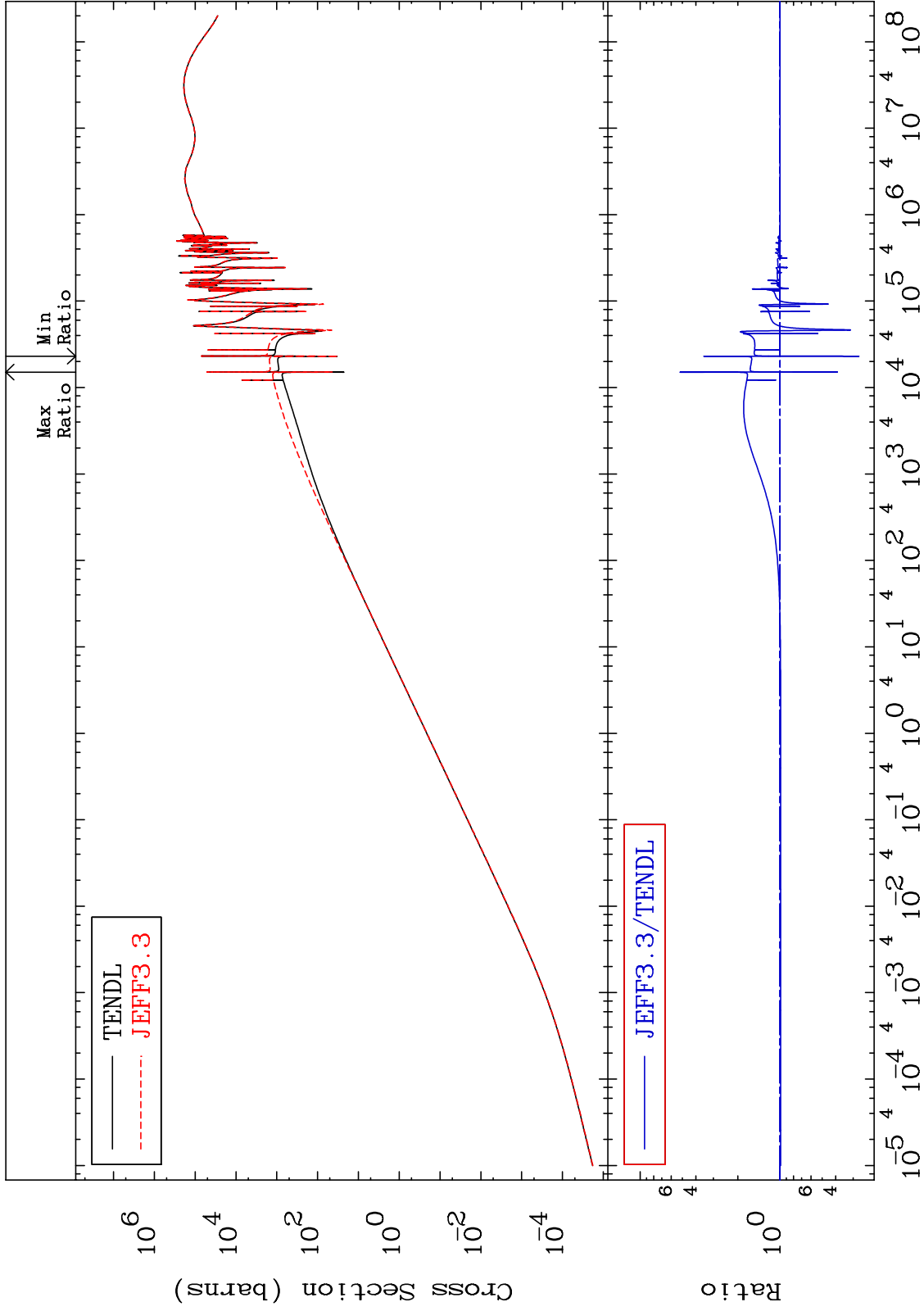
20-Ca-44  
-69.22 To 319.9 %



MAT 2037

Kerma elastic  
Cross Section

20-Ca-44  
-72.74 To 417.2 %



67

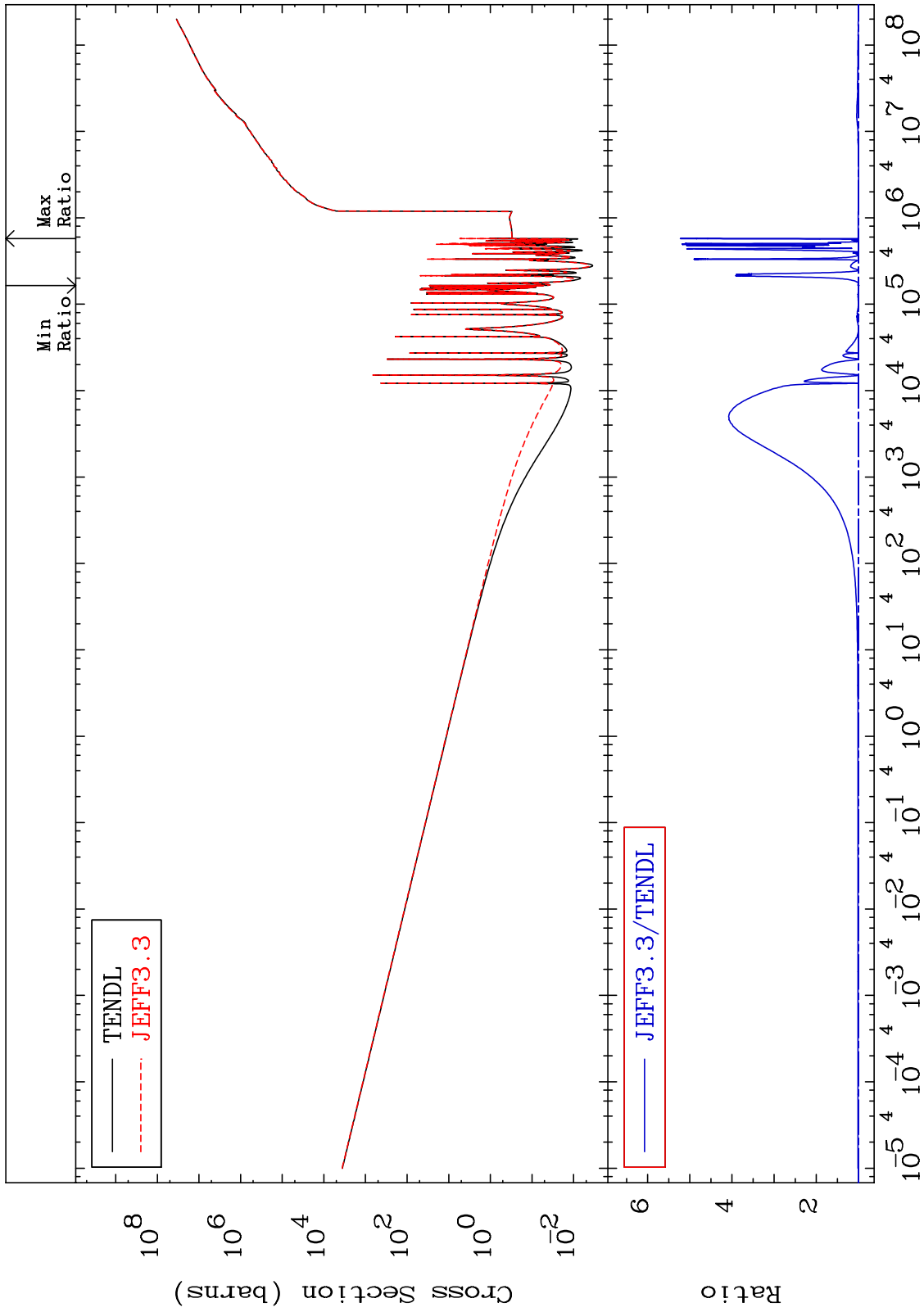
Incident Energy (eV)

20-Ca-44

MAT 2037

Kerma non-elastic (all but mt2)  
Cross Section

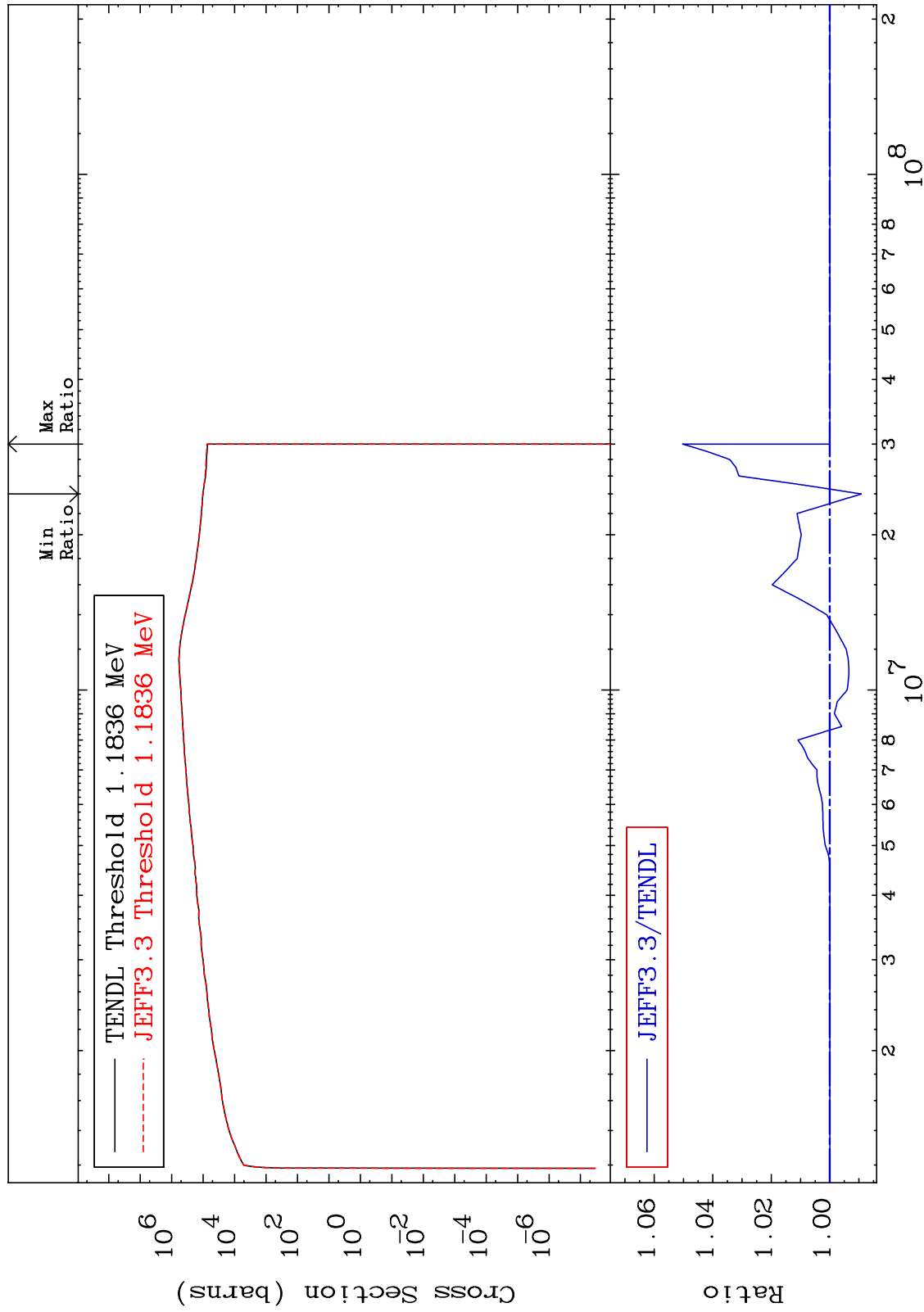
20-Ca-44  
-0.880 To 422.7 %



MAT 2037

Kerma inelastic (mt51-91)  
Cross Section

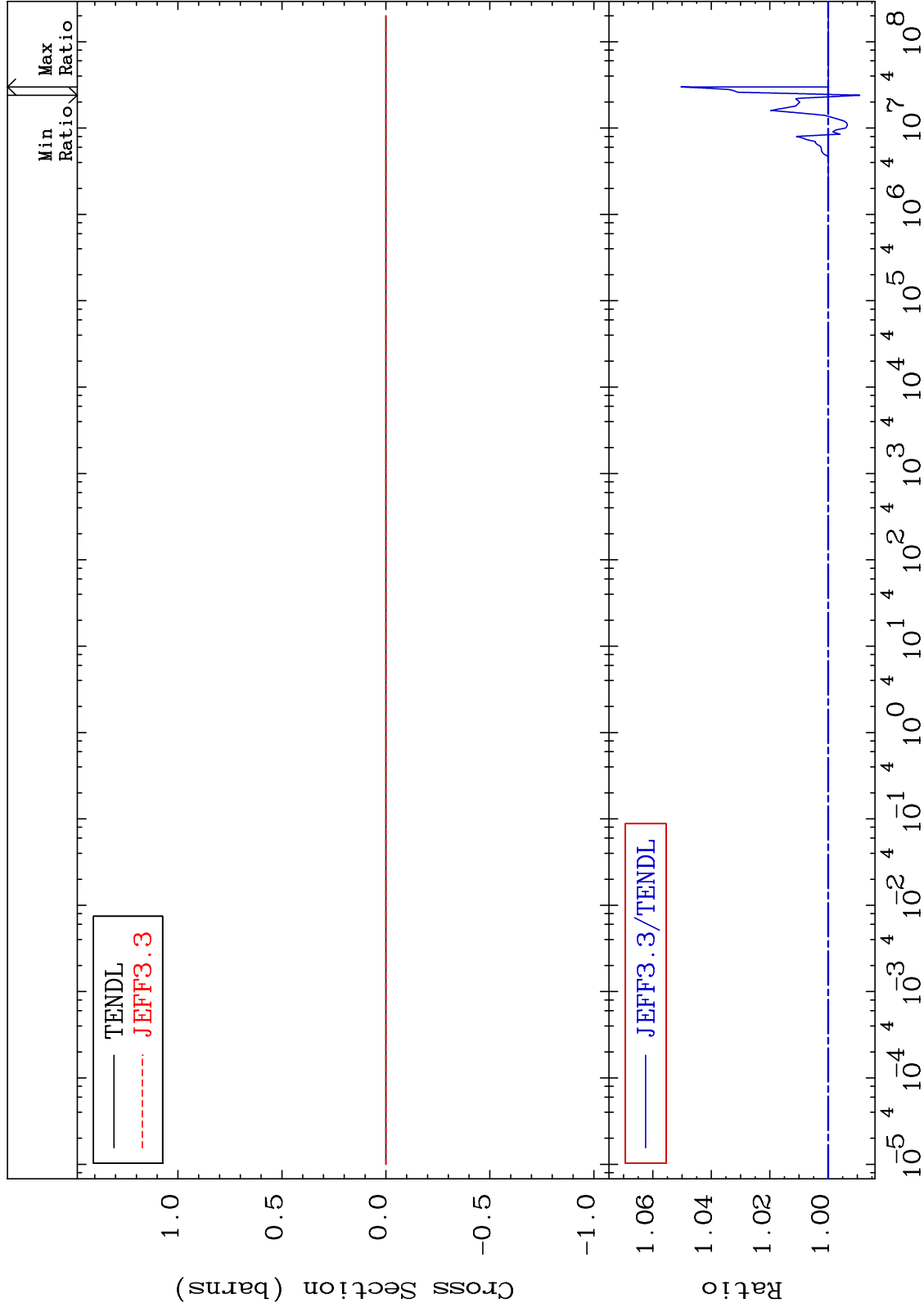
20-Ca-44  
-1.081 To 5.029 %



MAT 2037

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

20-Ca-44  
-1.081 To 5.029 %



70

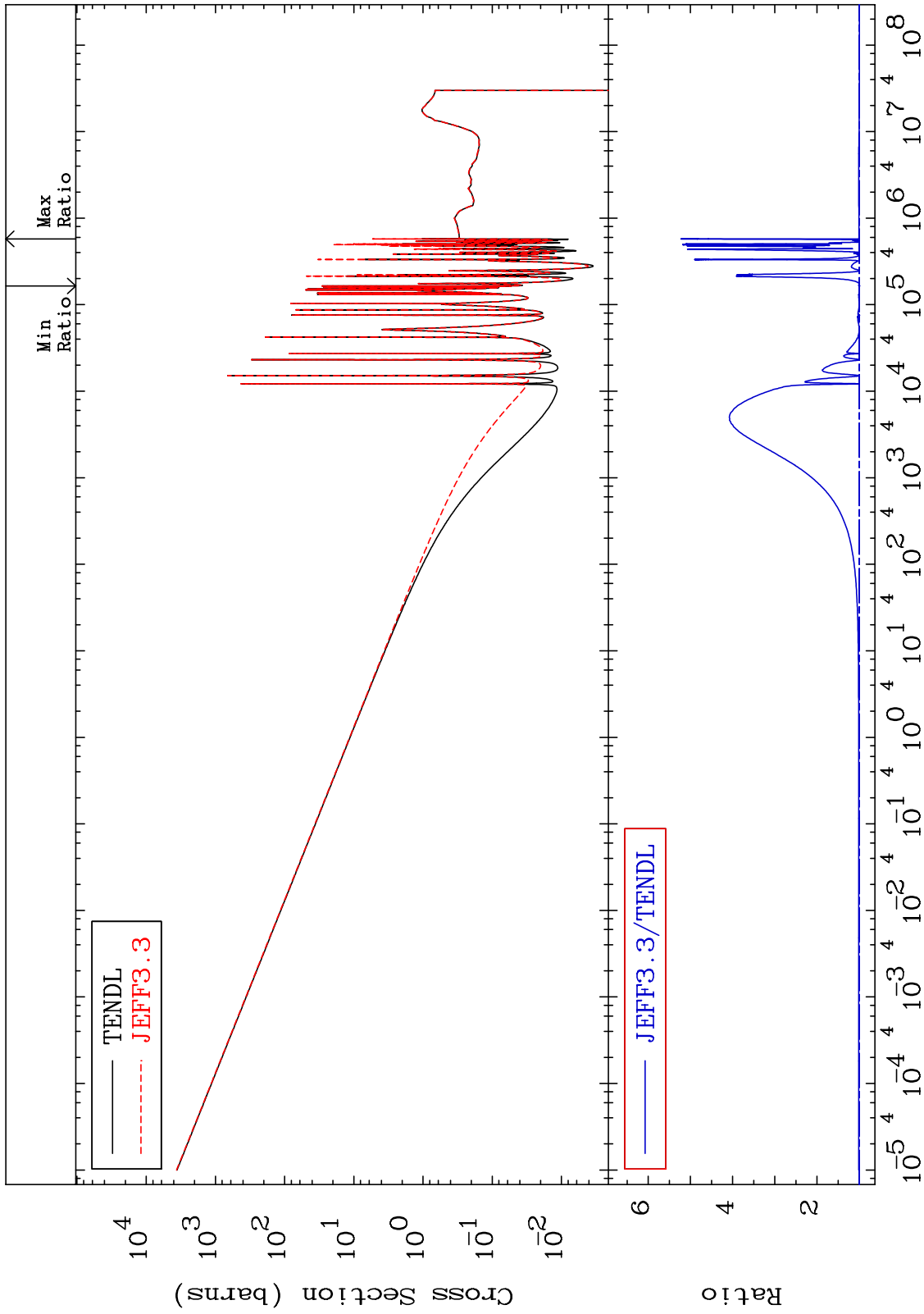
Incident Energy (eV)

20-Ca-44

MAT 2037

Kerma capture (mt102)  
Cross Section

20-Ca-44  
-0.880 To 422.7 %

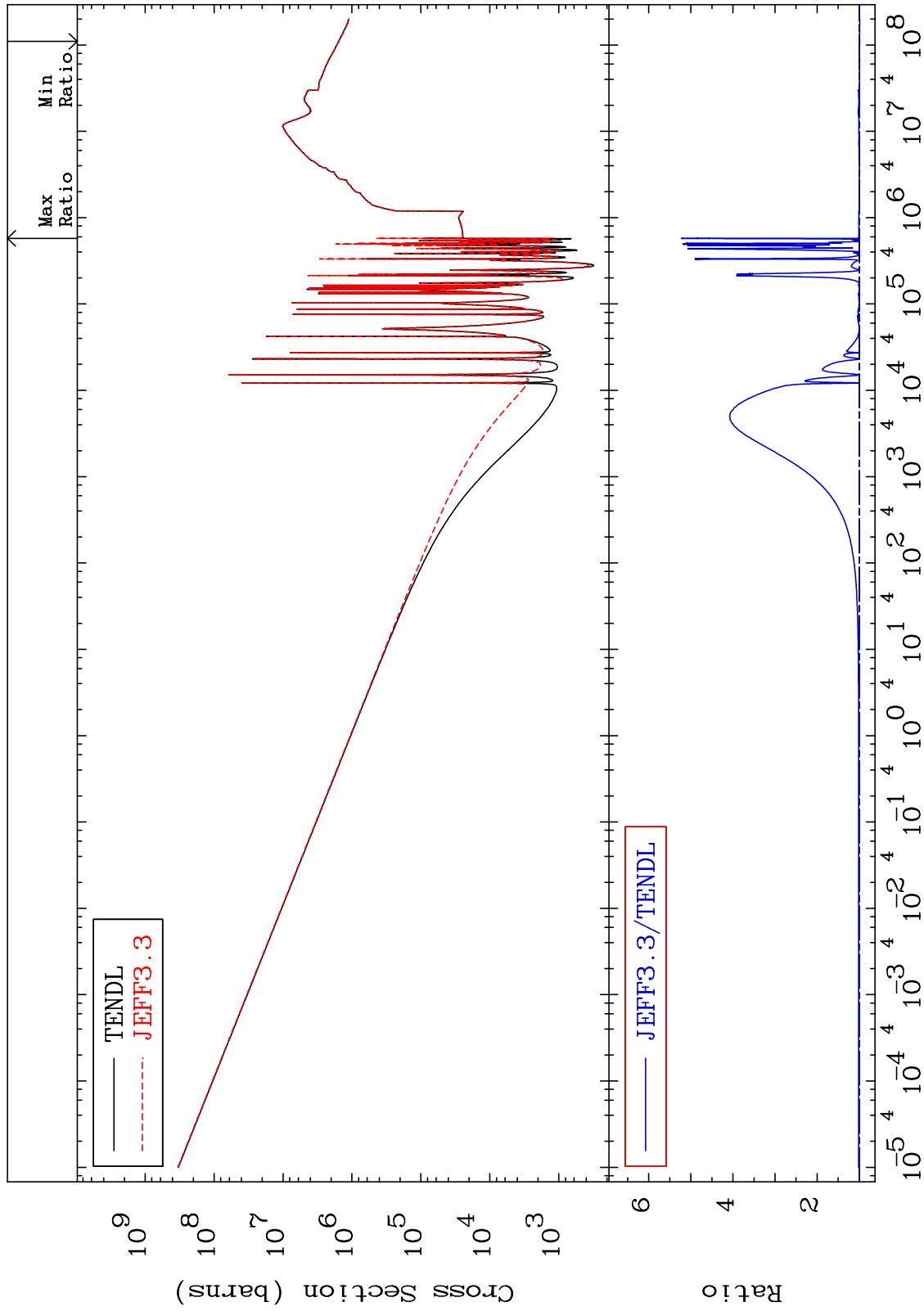




MAT 2037

Total photon (eV-barns)  
Cross Section

20-Ca-44  
-1.264 To 422.8 %



72

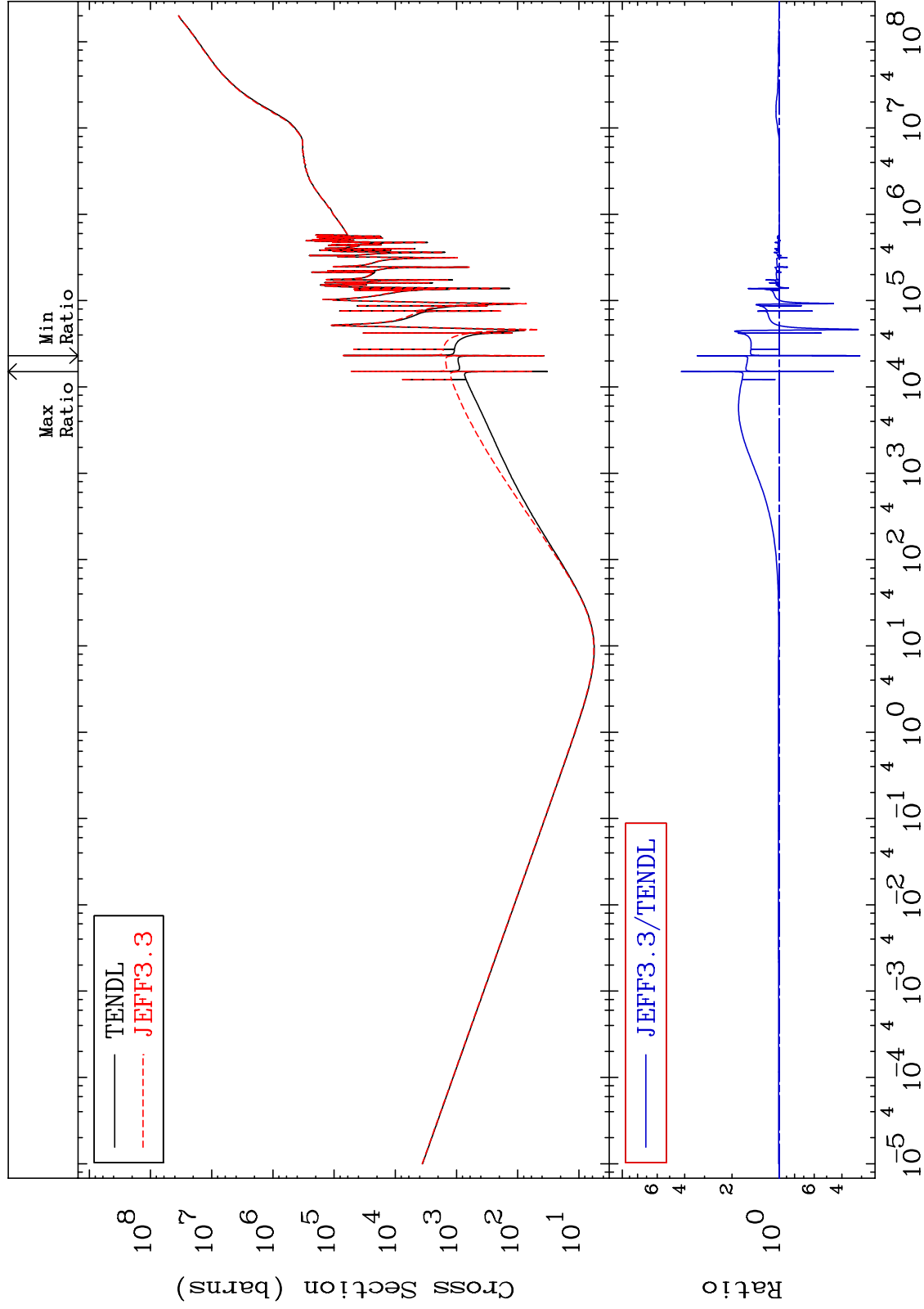
Incident Energy (eV)

20-Ca-44

MAT 2037

Total kinematic kerma (high limit)  
Cross Section

20-Ca-44  
-69.22 To 319.9 %



73

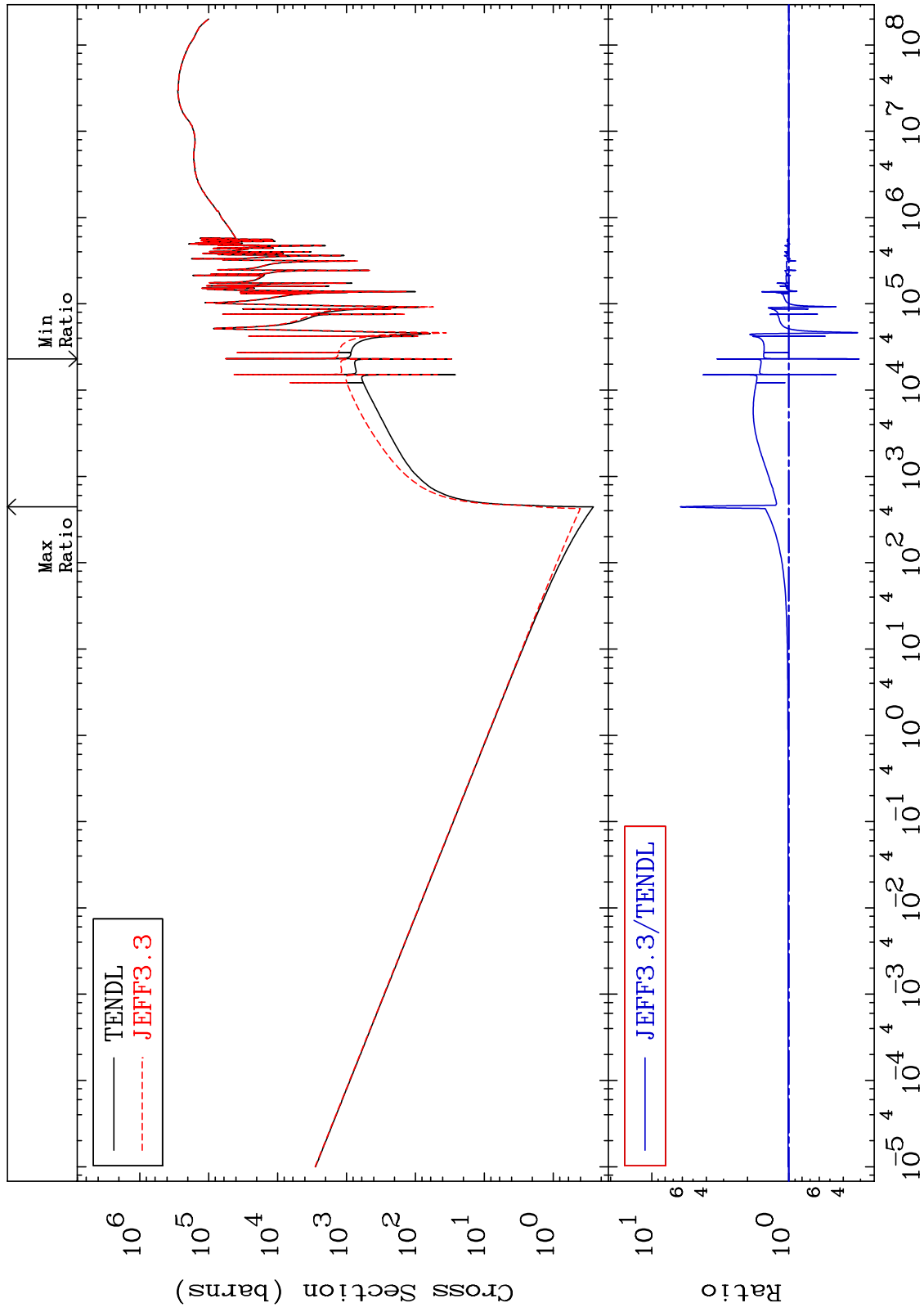
Incident Energy (eV)

20-Ca-44

MAT 2037

Dpa total (eV-barns)  
Cross Section

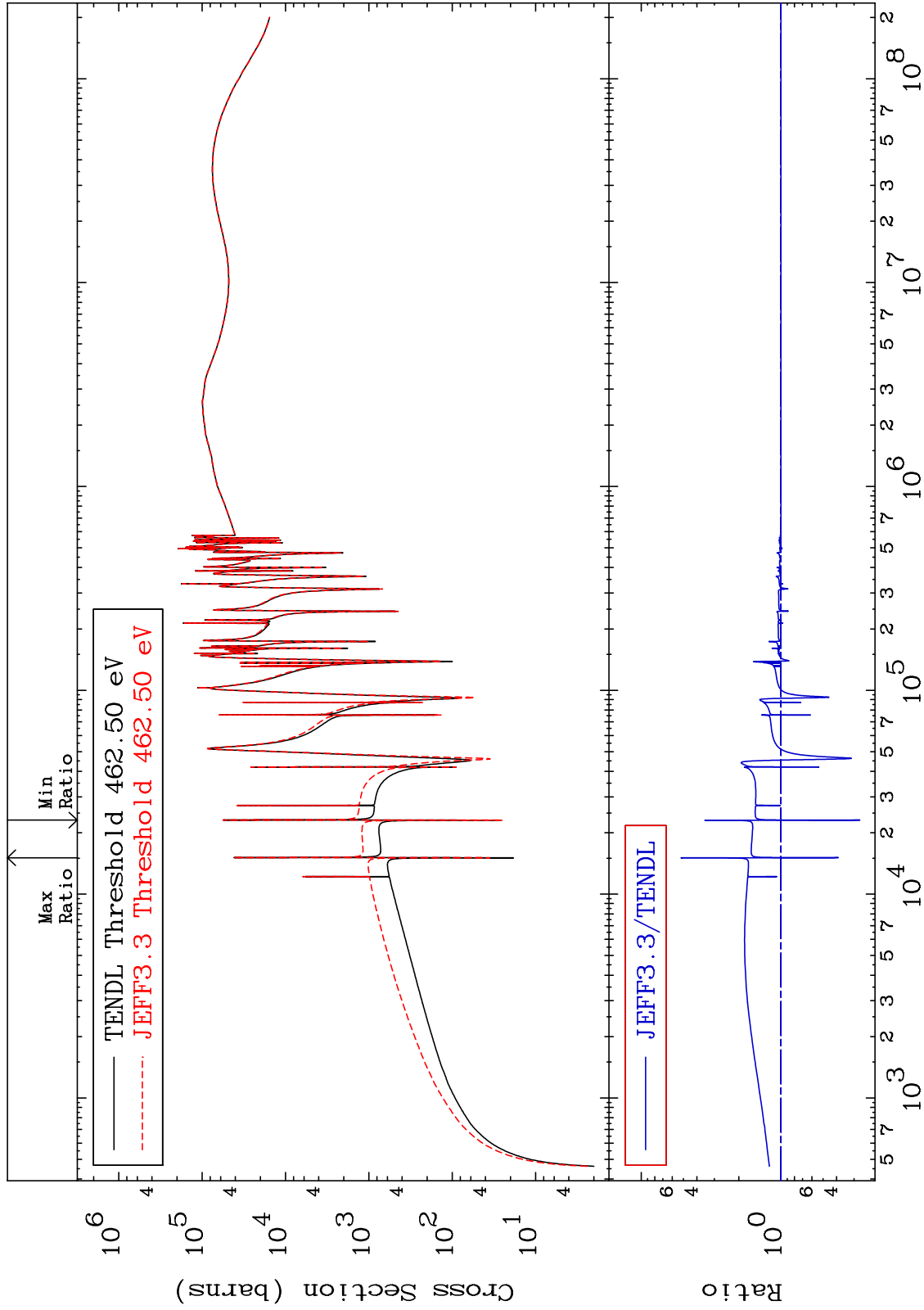
20-Ca-44  
-69.29 To 516.3 %



MAT 2037

Dpa elastic (mt2)  
Cross Section

20-Ca-44  
-72.74 To 417.2 %

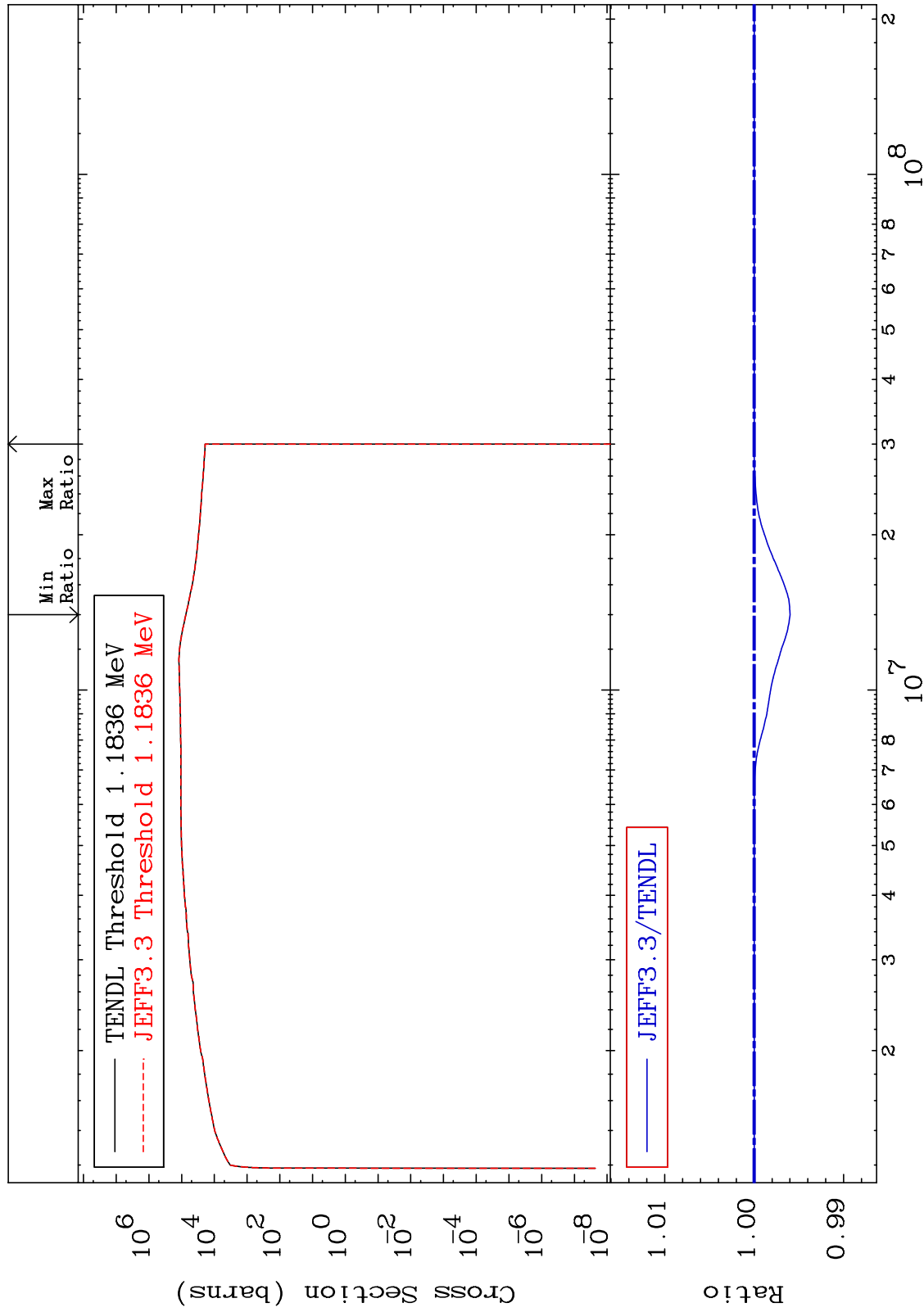


75

Incident Energy (eV)

20-Ca-44

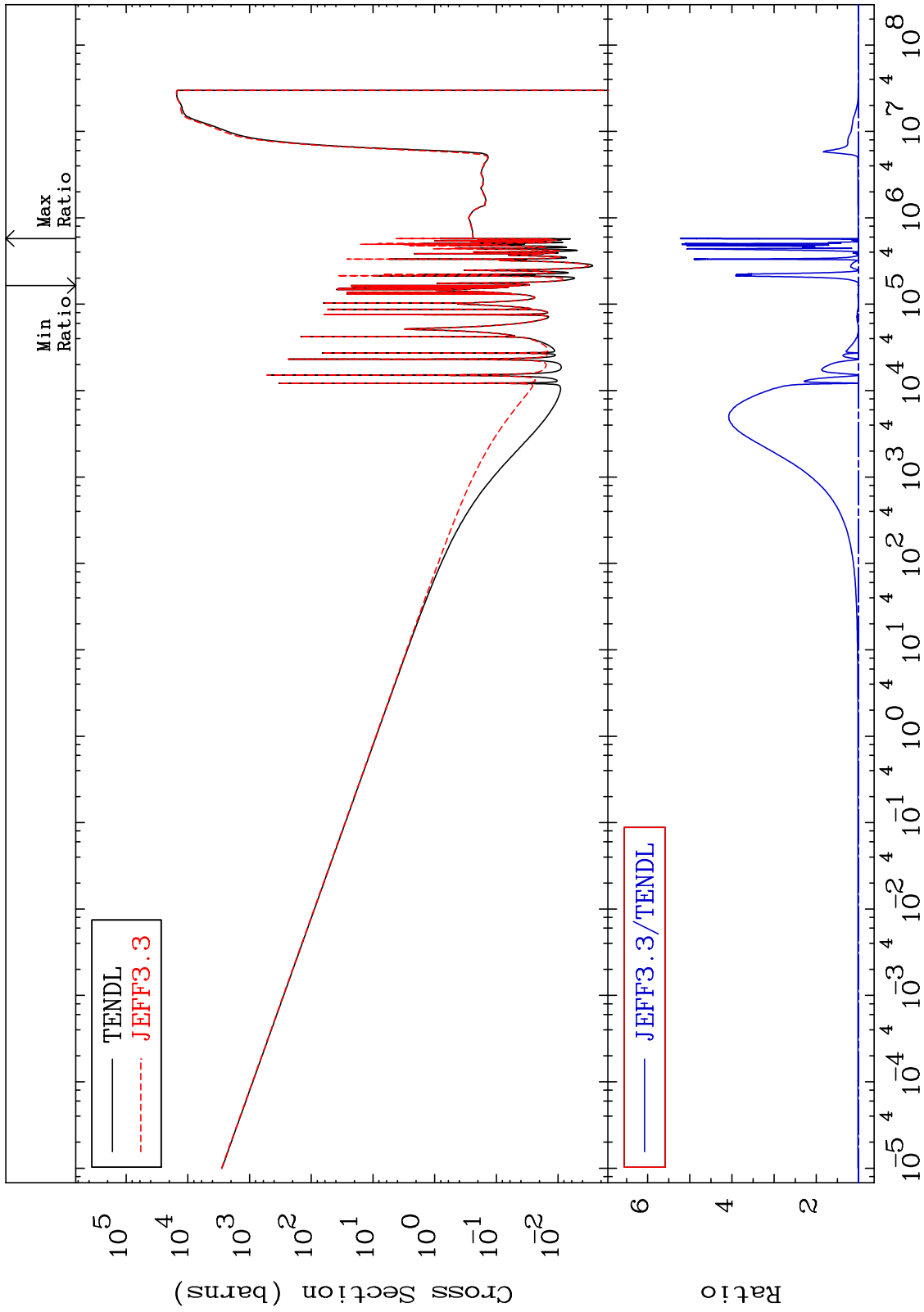
-0.401 To 0.002 %



MAT 2037

Dpa disappearance (mt102 -120)  
Cross Section

20-Ca-44  
-0.882 To 422.7 %



77

Incident Energy (eV)

20-Ca-44