

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

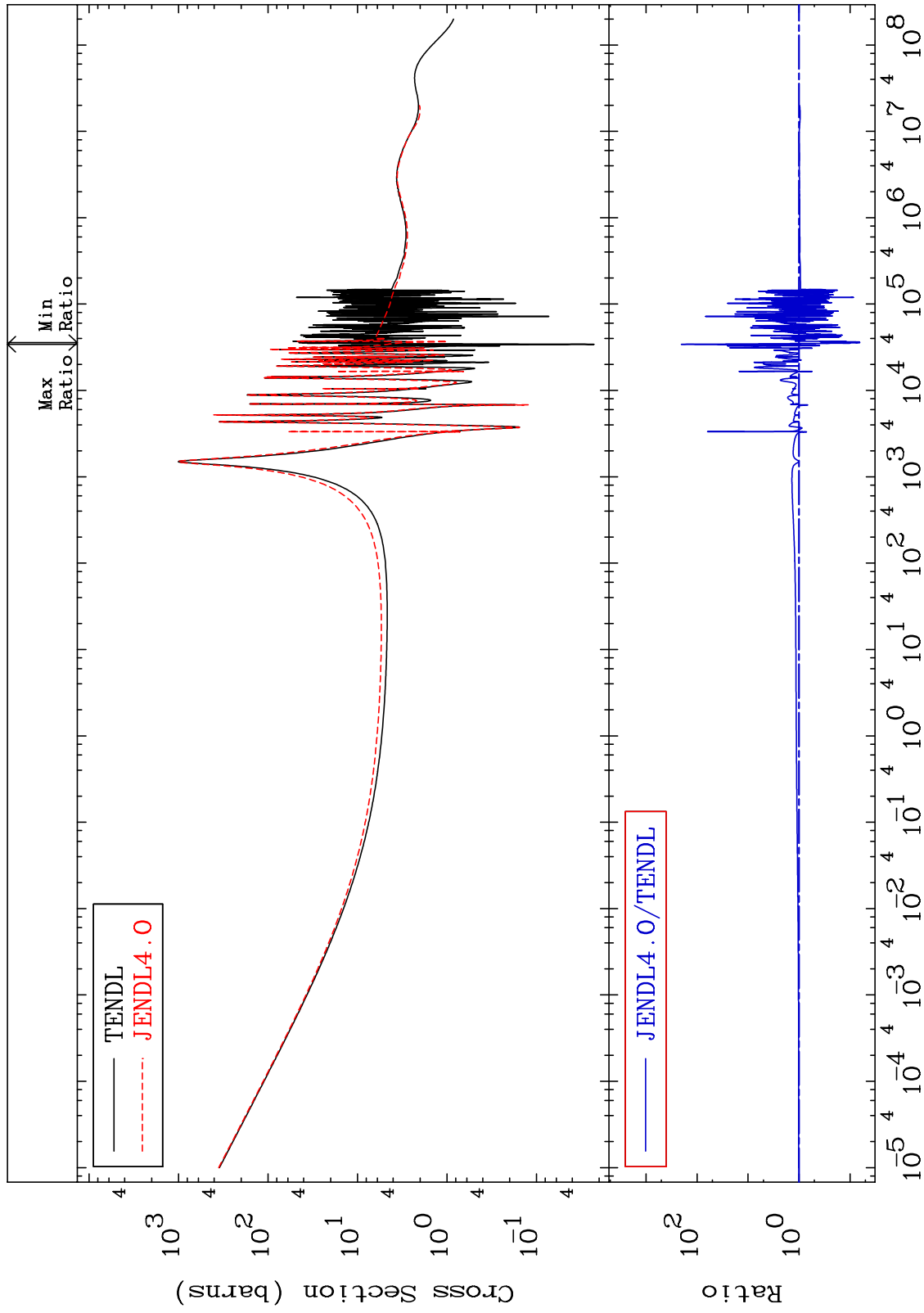
MAT 2034

Total

20-Ca-43

Cross Section

-93.54 To 9999. %



1

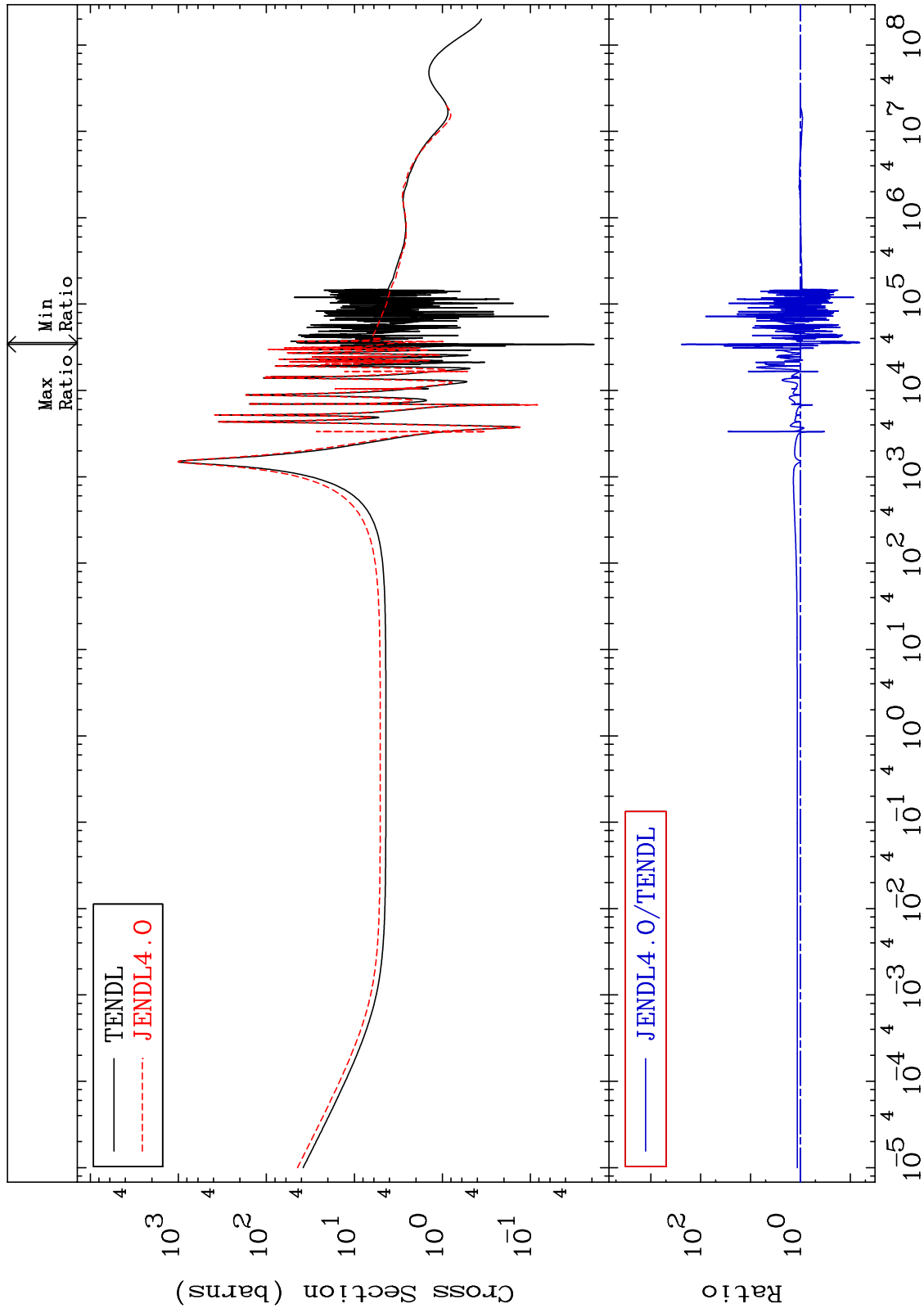
Incident Energy (eV)

20-Ca-43

MAT 2034

Elastic  
Cross Section

20-Ca-43  
-93.54 To 9999. %

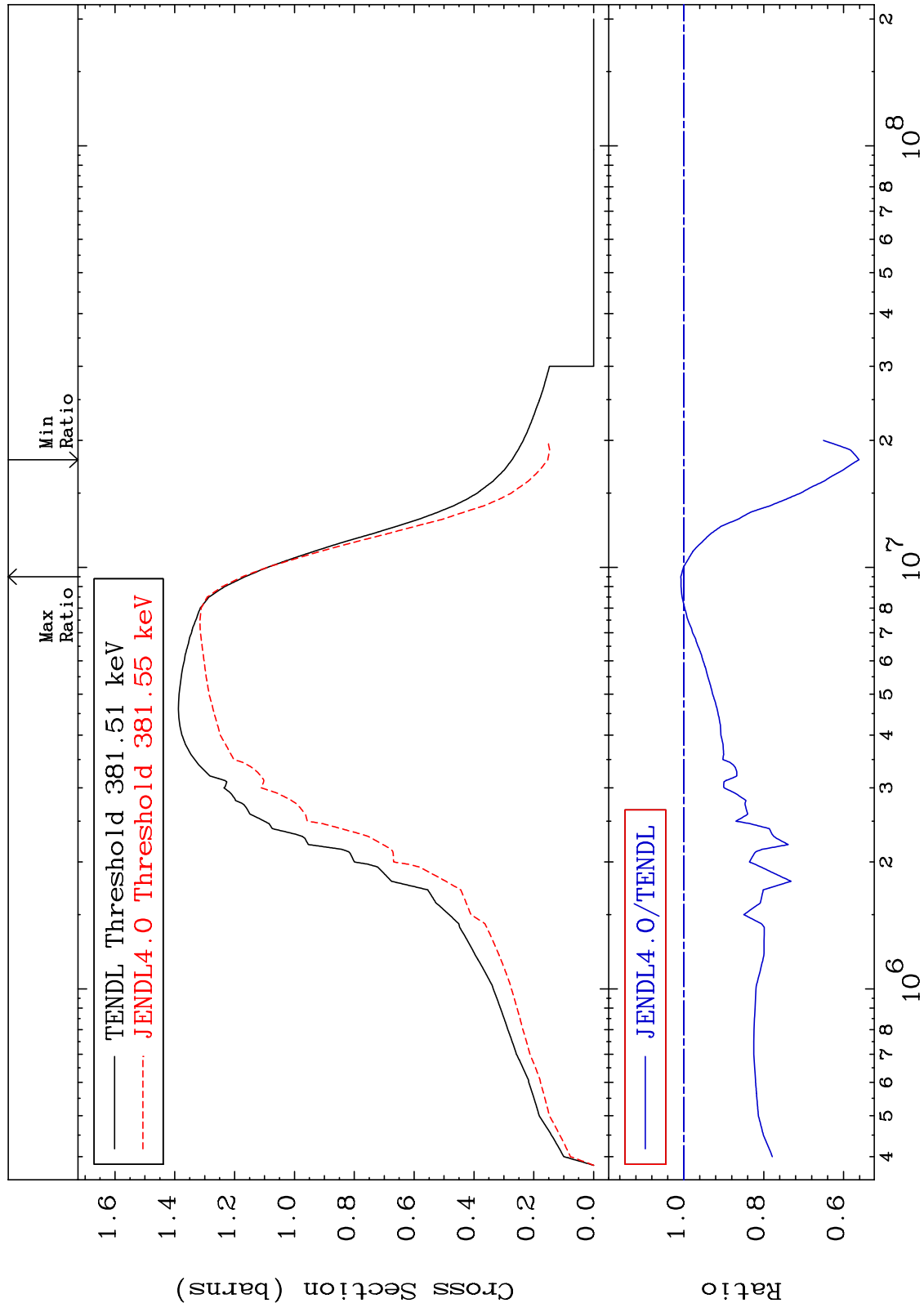


2

Incident Energy (eV)

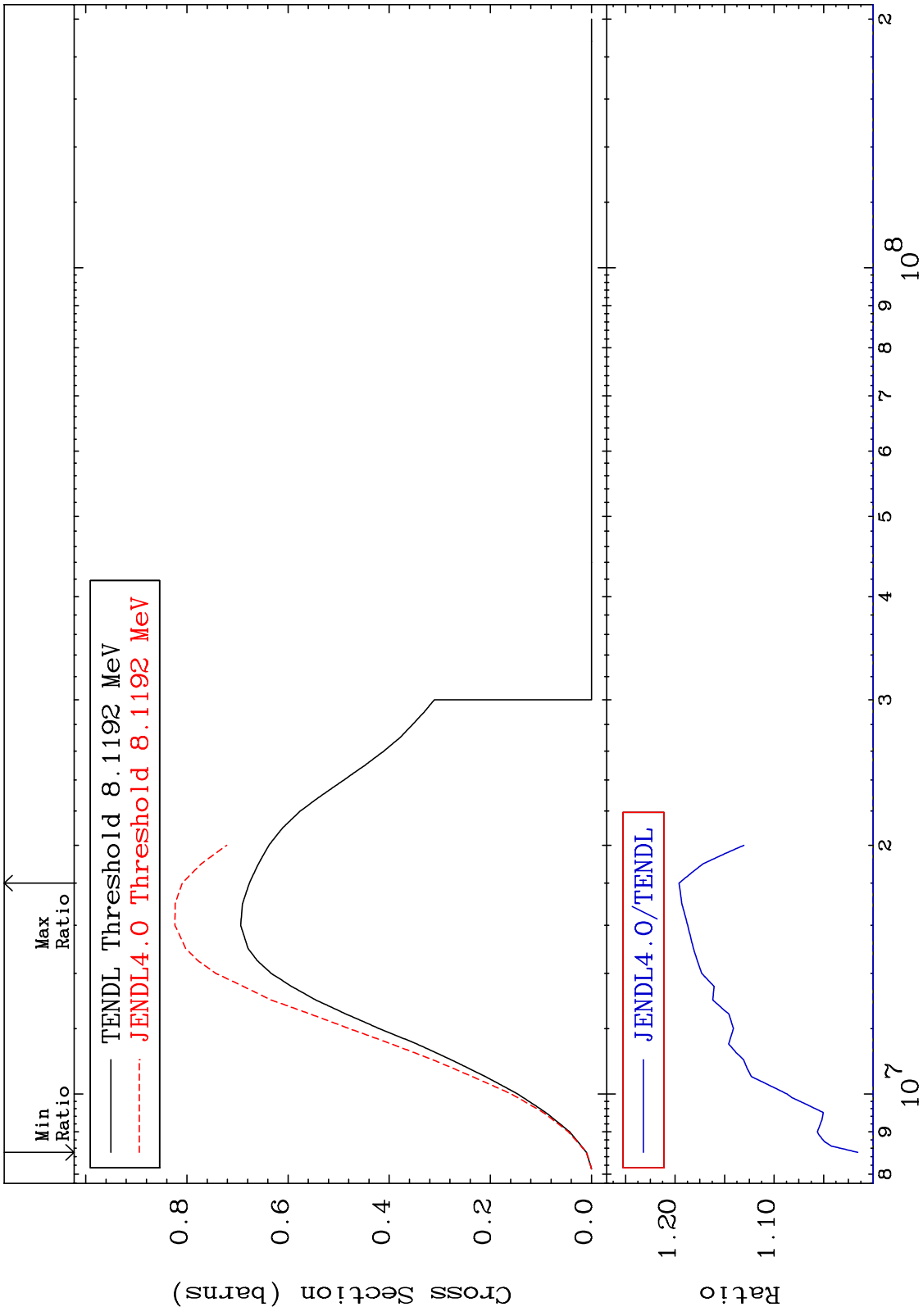
20-Ca-43

MAT 2034 Inelastic Cross Section 20-Ca-43 -43.86 To 0.734 %



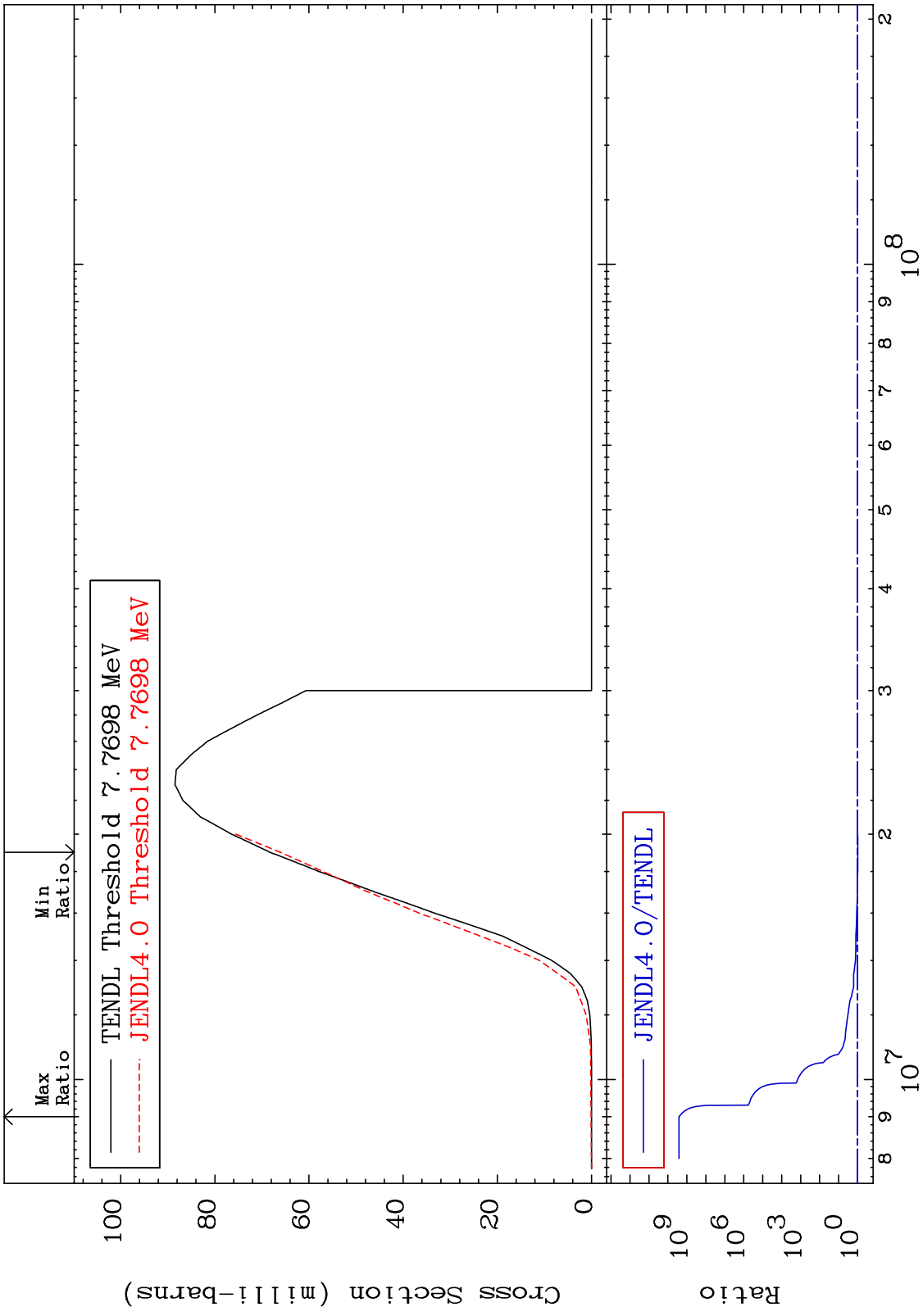
3 Incident Energy (eV) 20-Ca-43

MAT 2034 (n,2n) Cross Section 20-Ca-43 To 19.60 %

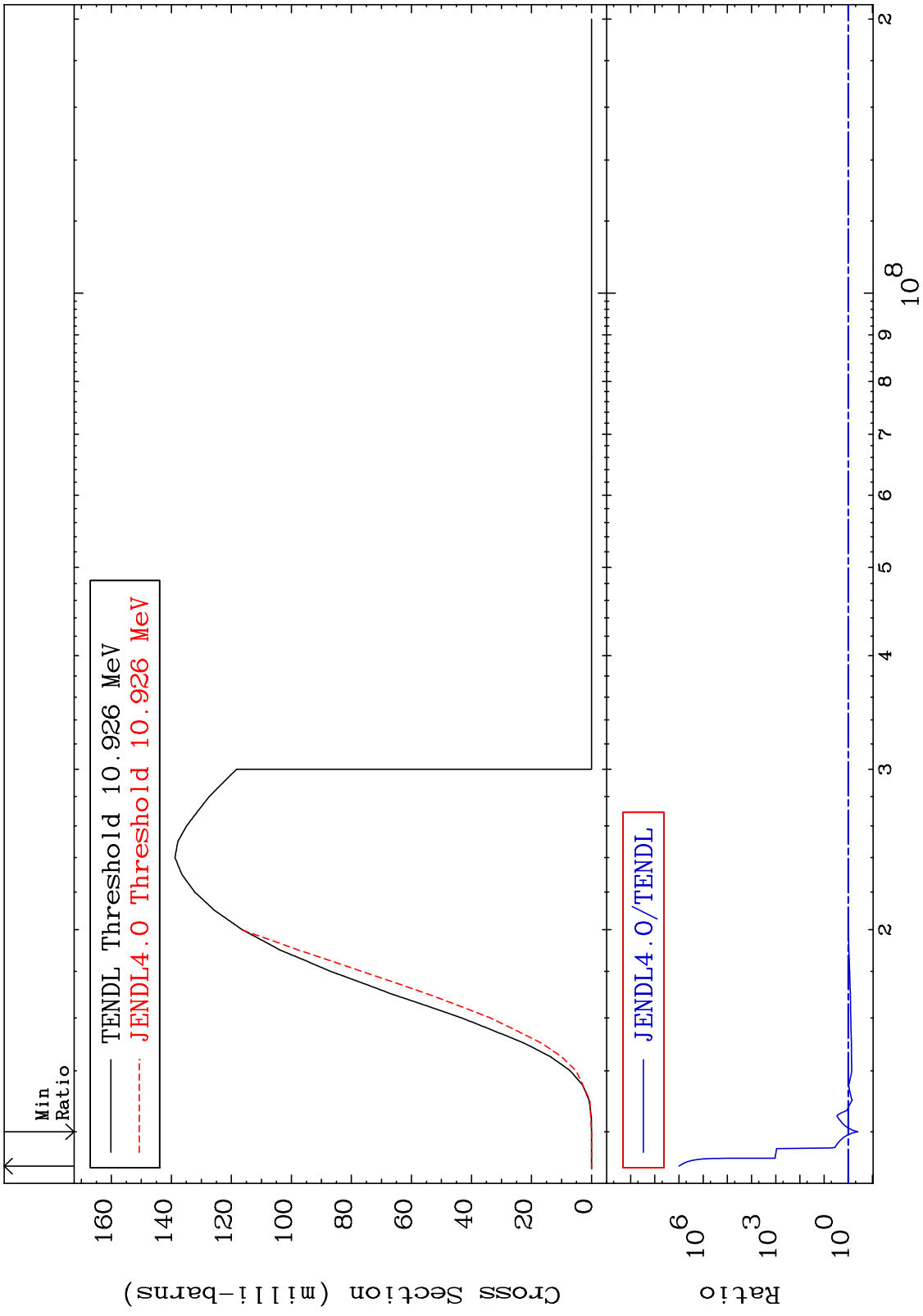


4 Incident Energy (eV) 20-Ca-43

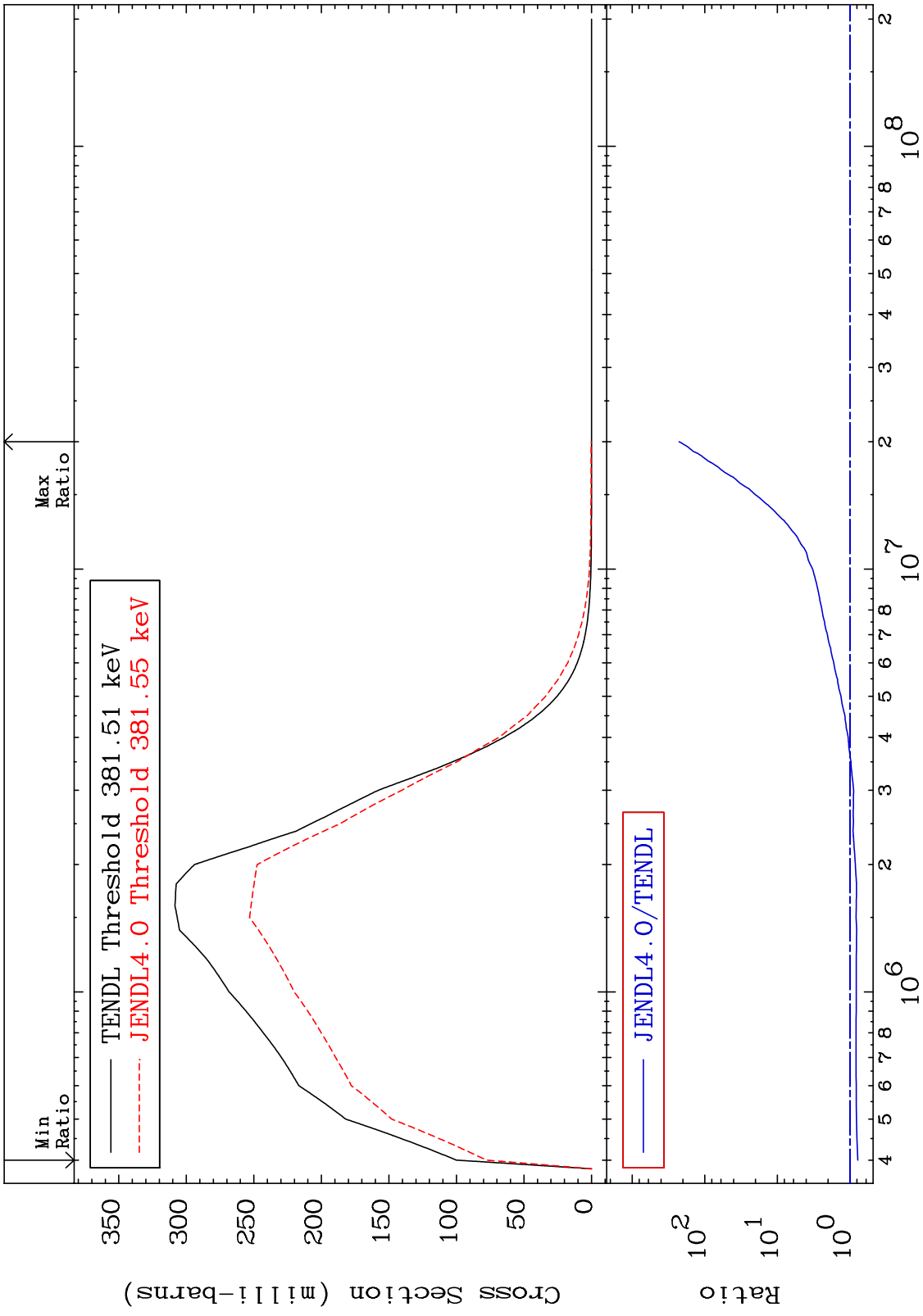
MAT 2034  $(n, n') \alpha$  20-Ca-43  
 Cross Section -3.170 To 9999. %



5 Incident Energy (eV) 20-Ca-43



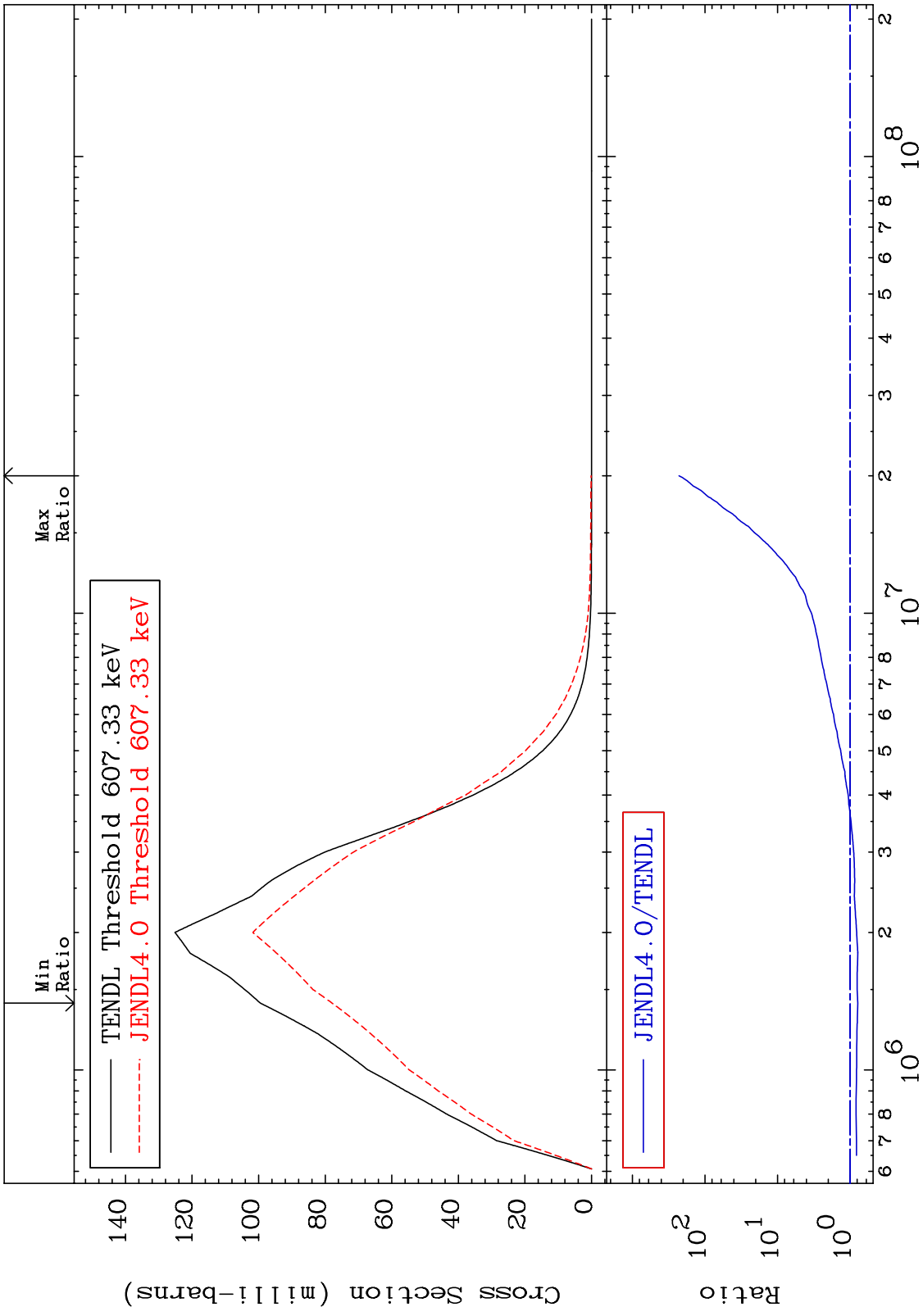
MAT 2034 MT= 51 (n,n') Level Cross Section -22.16 To 9999. % 20-Ca-43



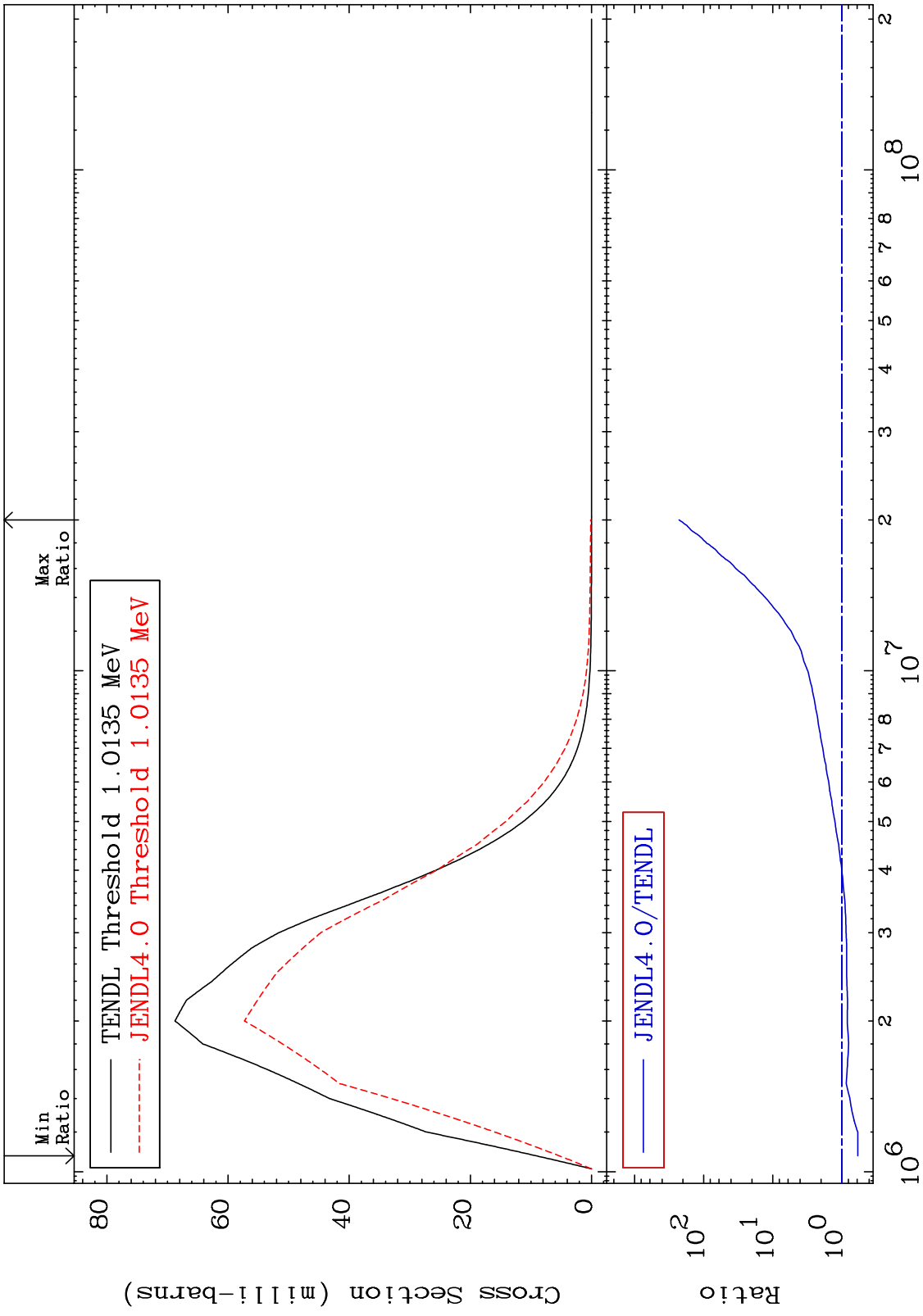
7 Incident Energy (eV) 20-Ca-43



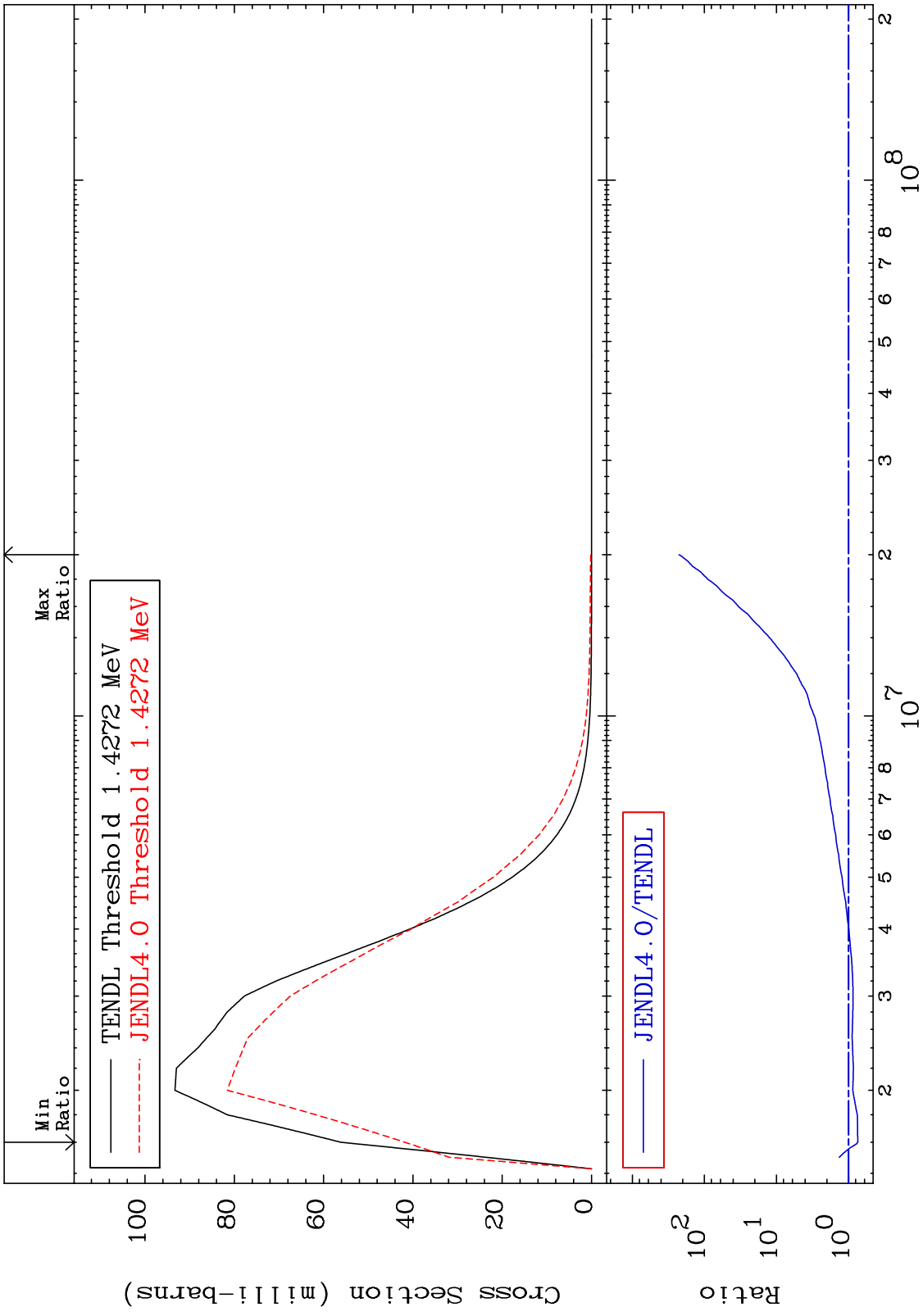
MAT 2034 MT= 52 (n,n') Level Cross Section -21.67 To 9999. % 20-Ca-43



MAT 2034 MT= 53 (n,n') Level Cross Section -41.49 To 9999. % 20-Ca-43

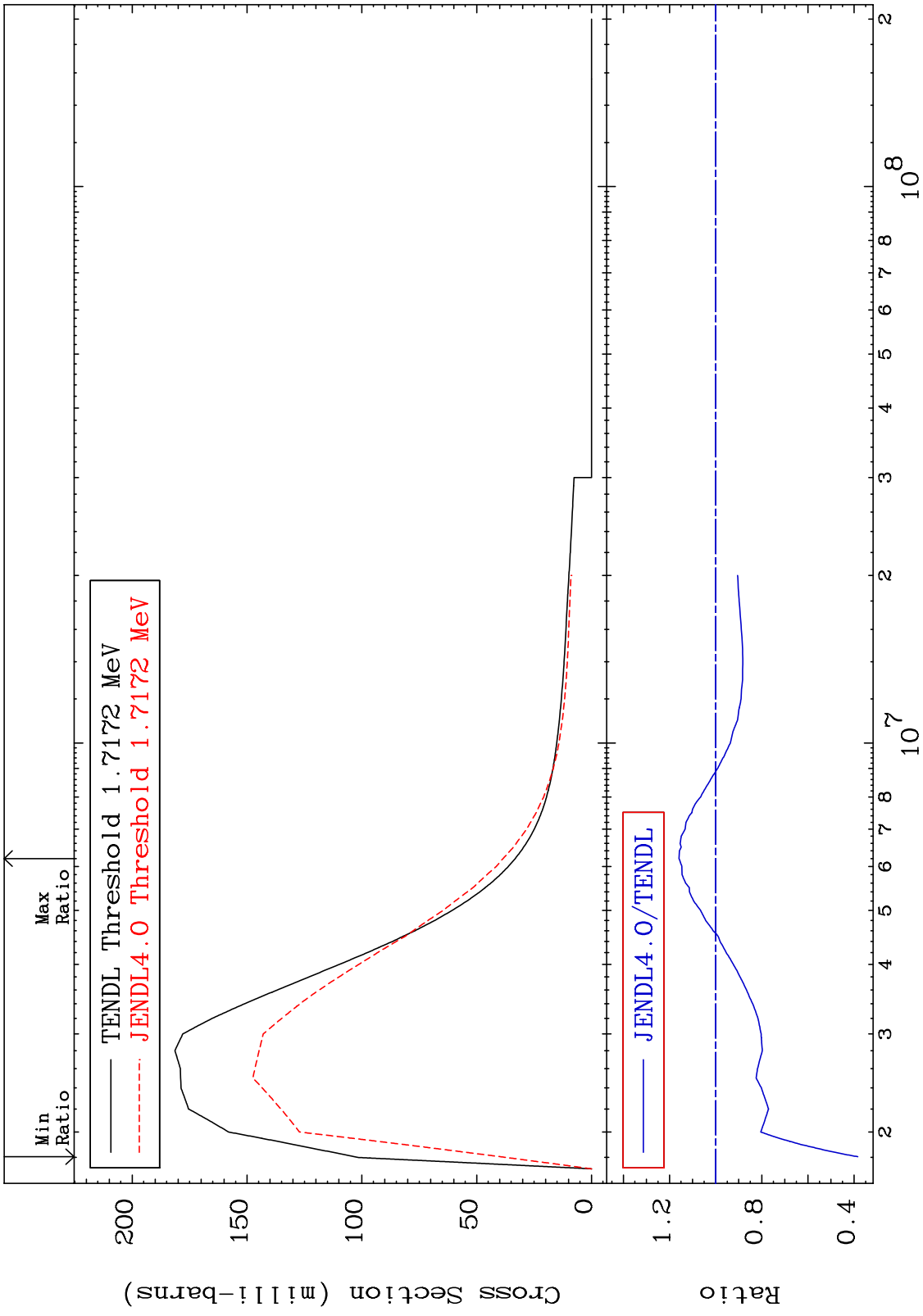


MAT 2034 MT= 54 (n,n') Level Cross Section -25.53 To 9999. % 20-Ca-43

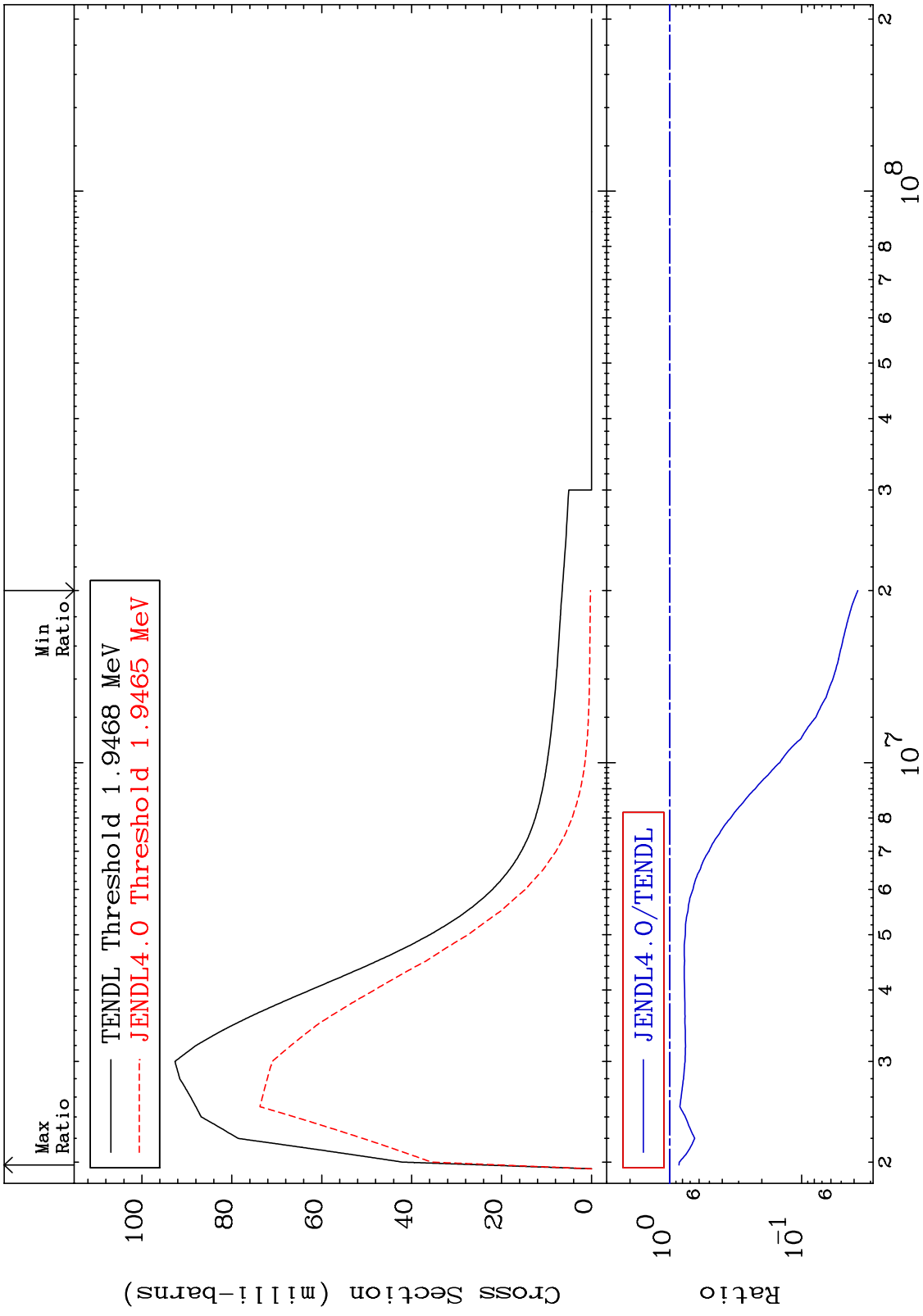


10 Incident Energy (eV) 20-Ca-43

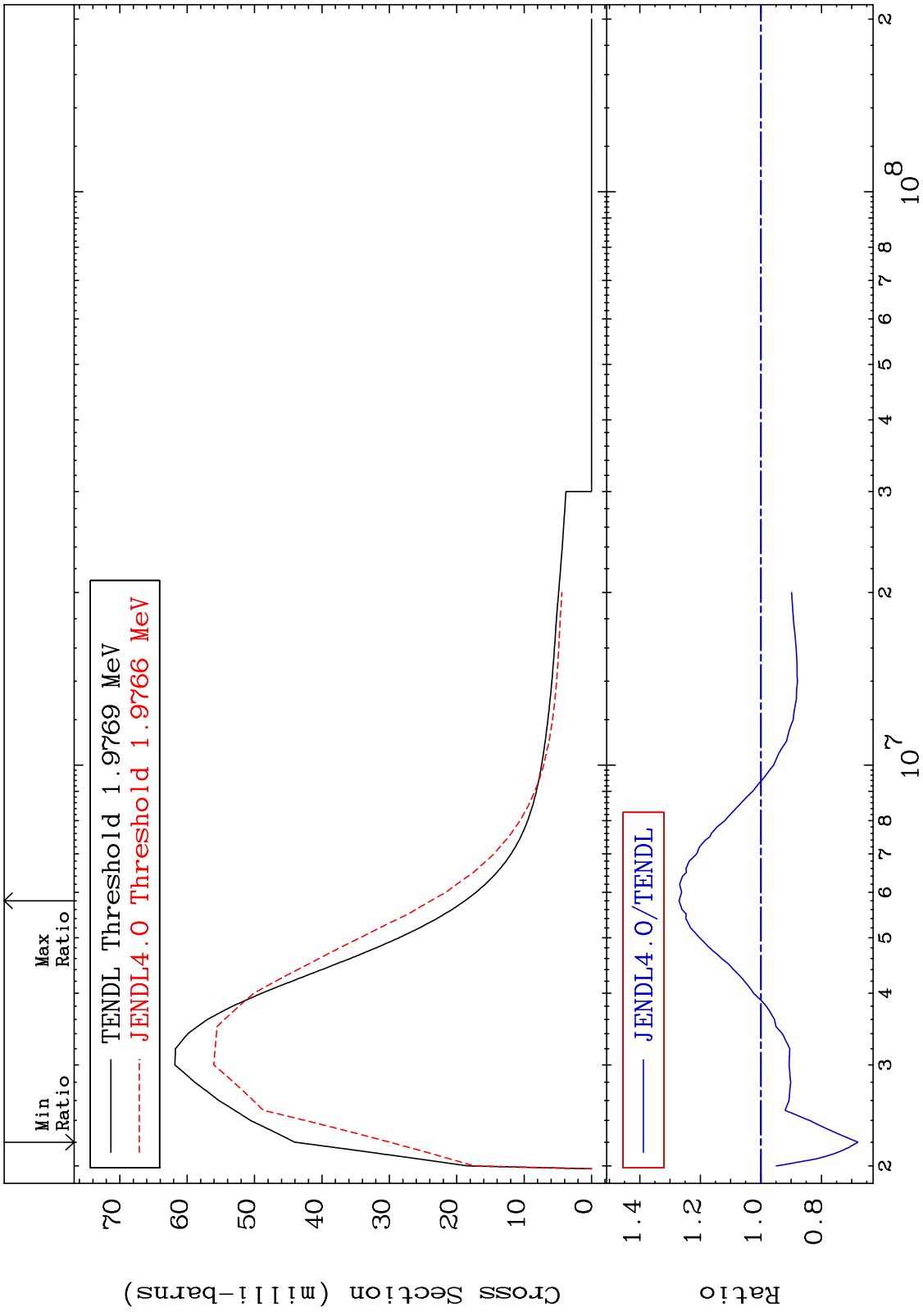
MAT 2034 MT= 55 (n,n') Level Cross Section -61.63 To 15.87 % 20-Ca-43



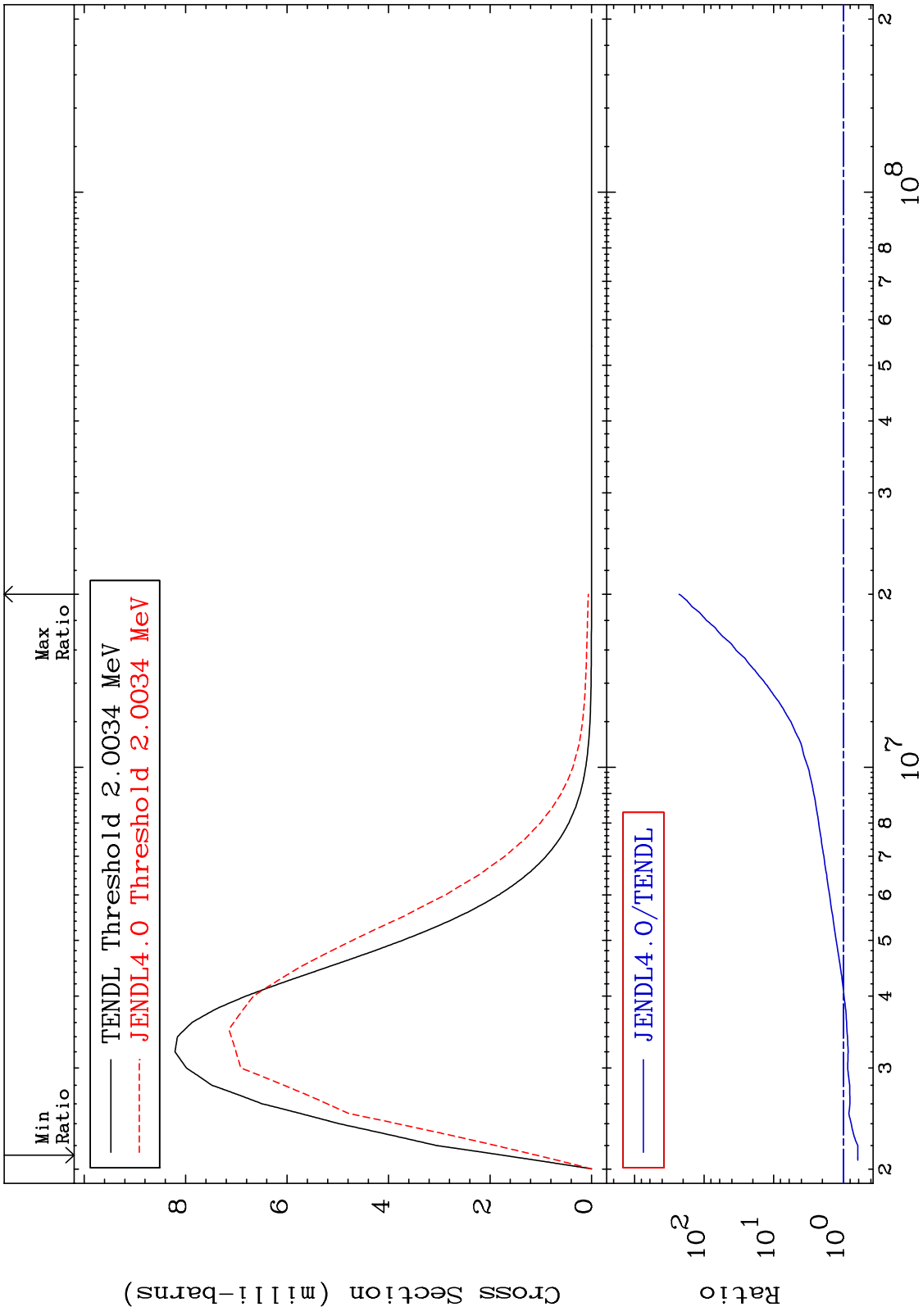
MAT 2034 MT= 56 (n,n') Level Cross Section -96.26 To -14.94% 20-Ca-43



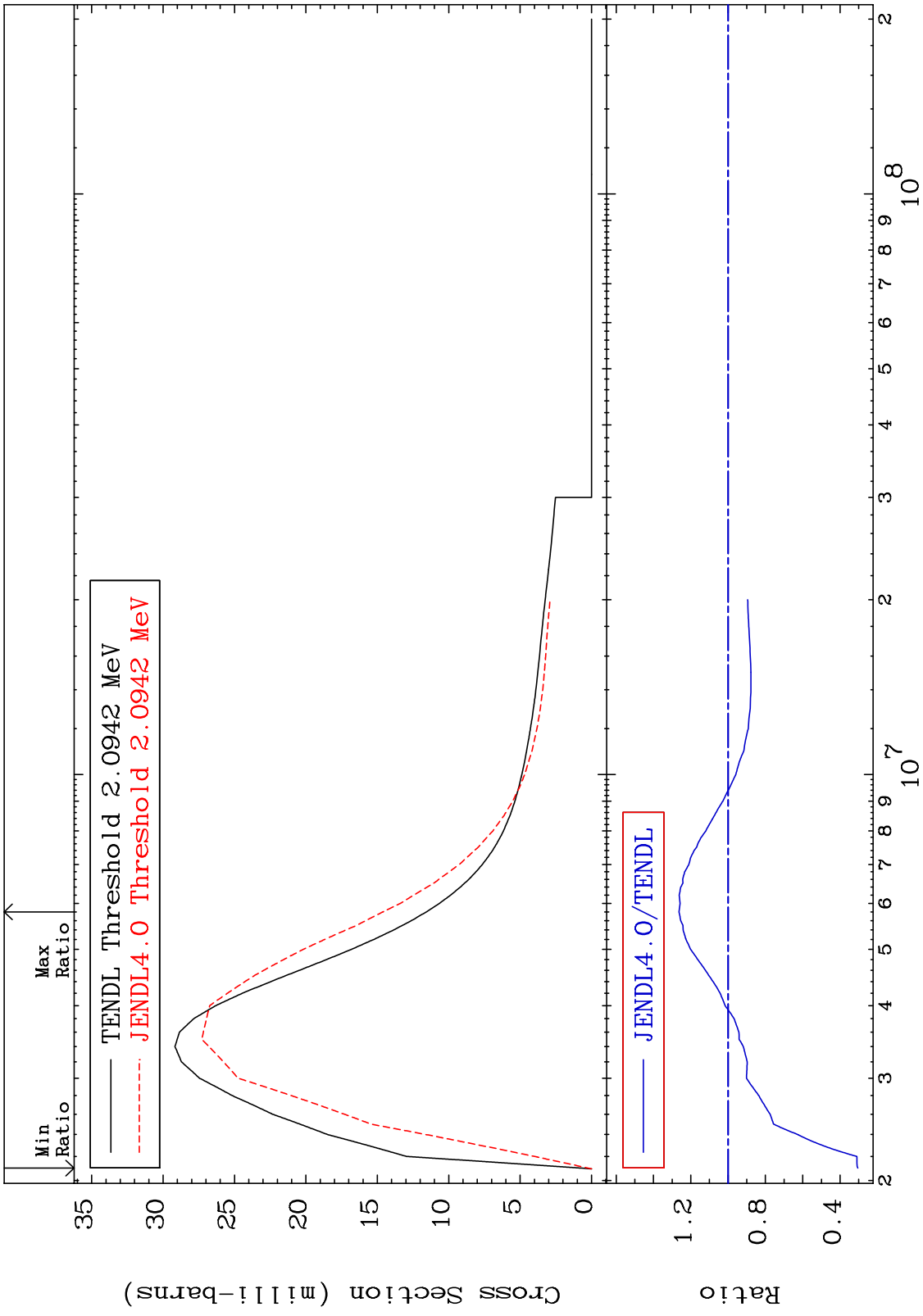
MAT 2034 MT= 57 (n,n') Level Cross Section -32.02 To 27.02 % 20-Ca-43



MAT 2034 MT= 58 (n,n') Level Cross Section -38.19 To 9999. % 20-Ca-43

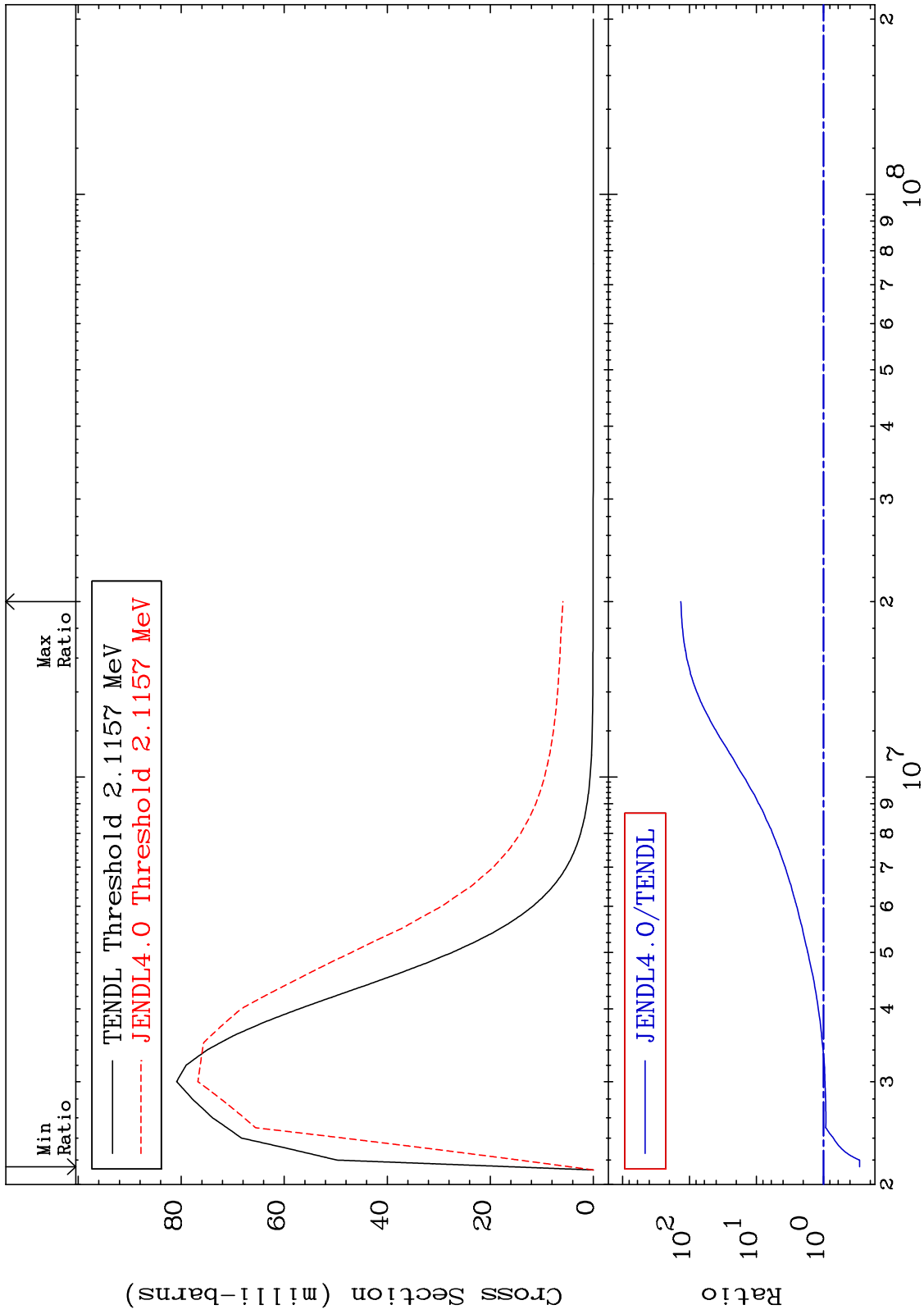


MAT 2034 MT= 59 (n,n') Level Cross Section -69.53 To 26.29 % 20-Ca-43

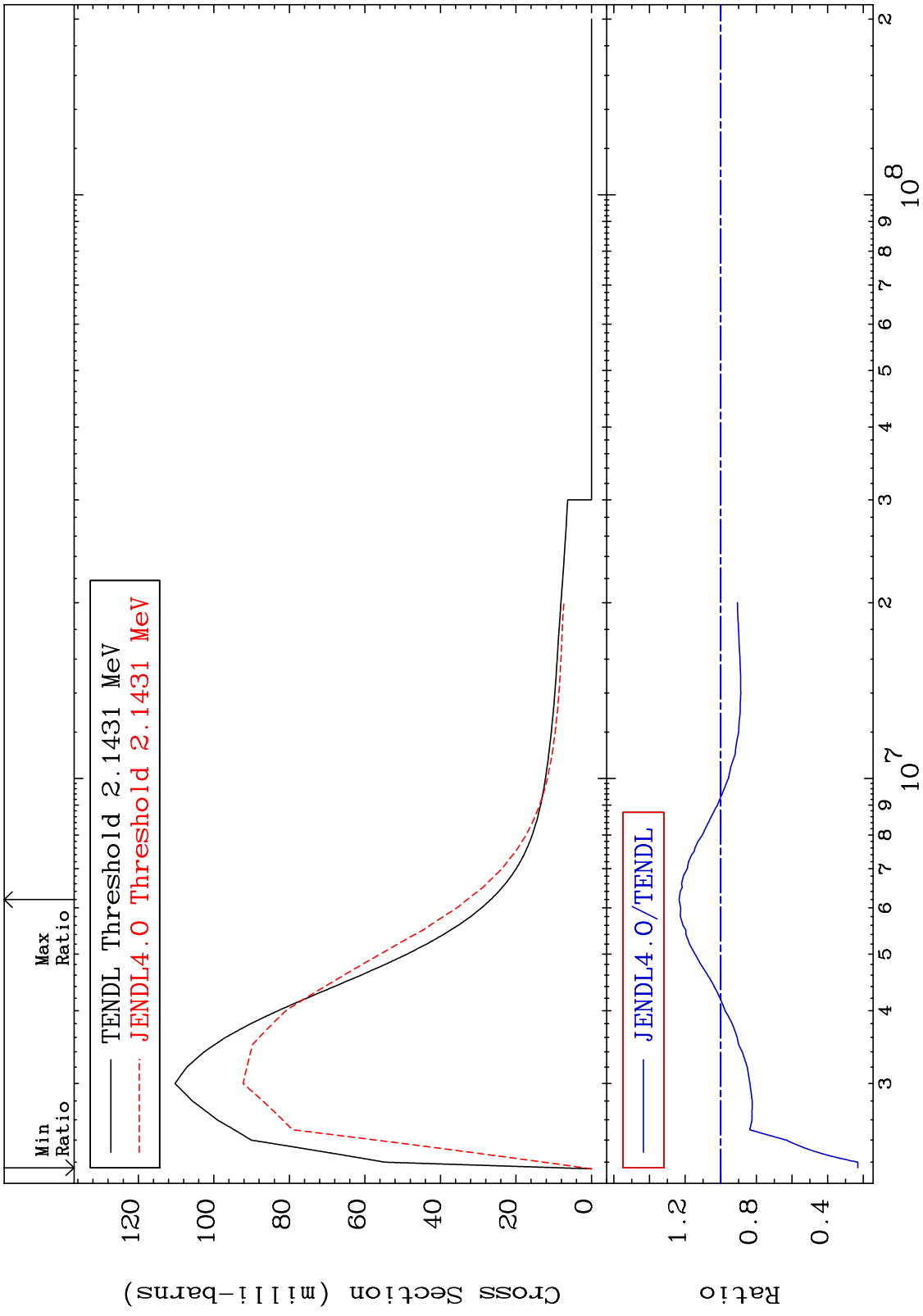




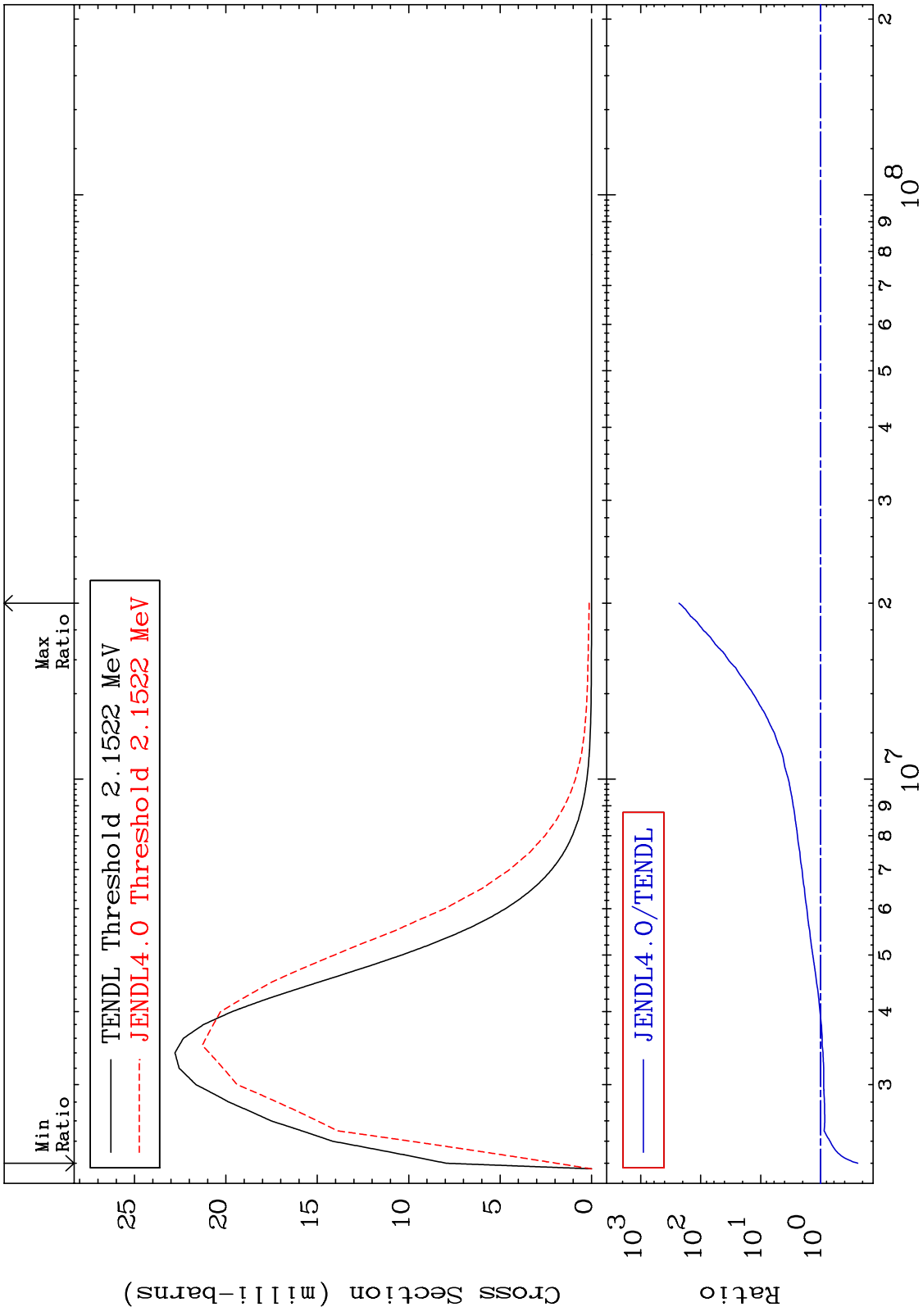
MAT 2034 MT= 60 (n,n') Level Cross Section -71.23 To 9999. % 20-Ca-43



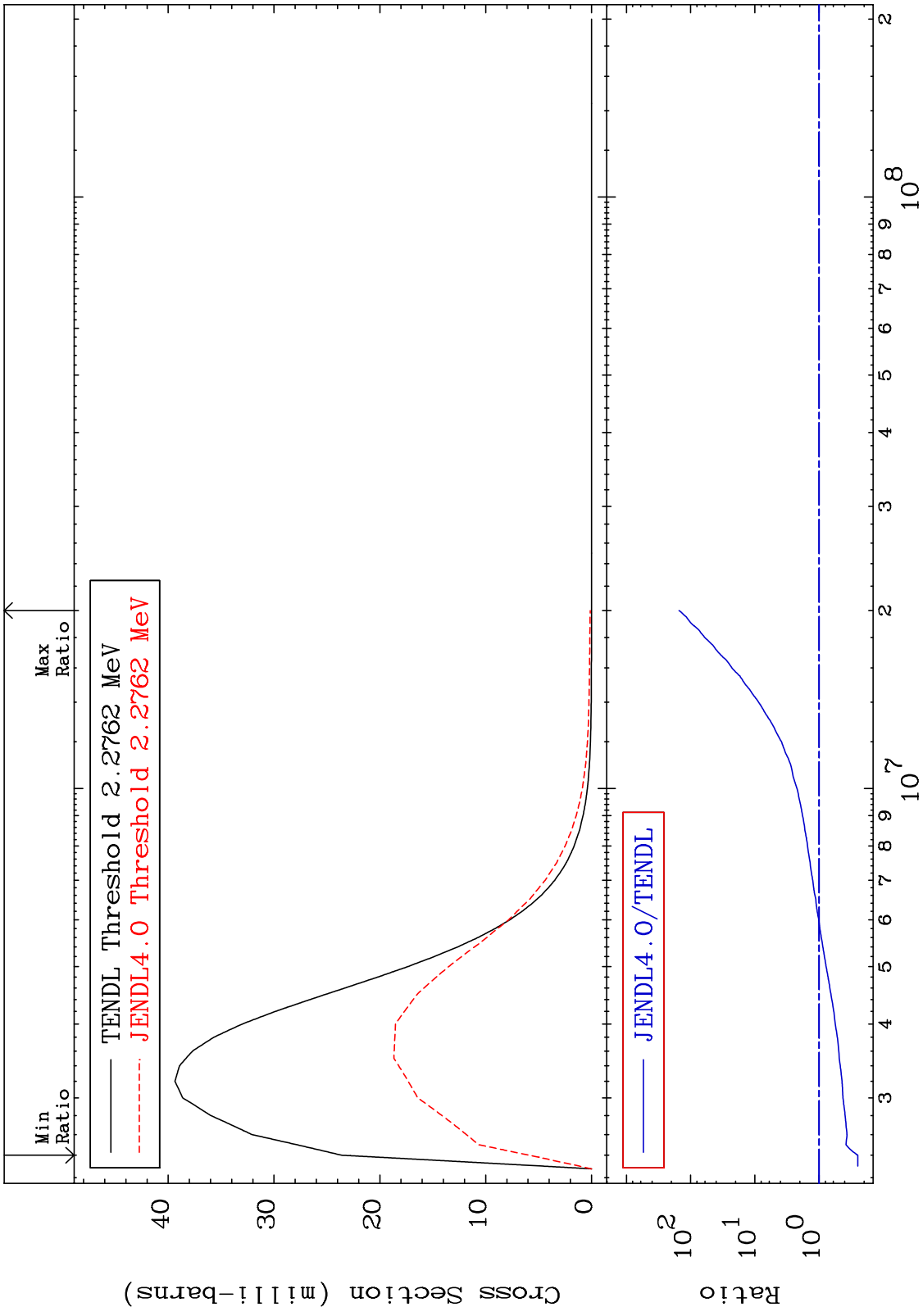
MAT 2034 MT= 61 (n,n') Level Cross Section -76.92 To 23.41 % 20-Ca-43



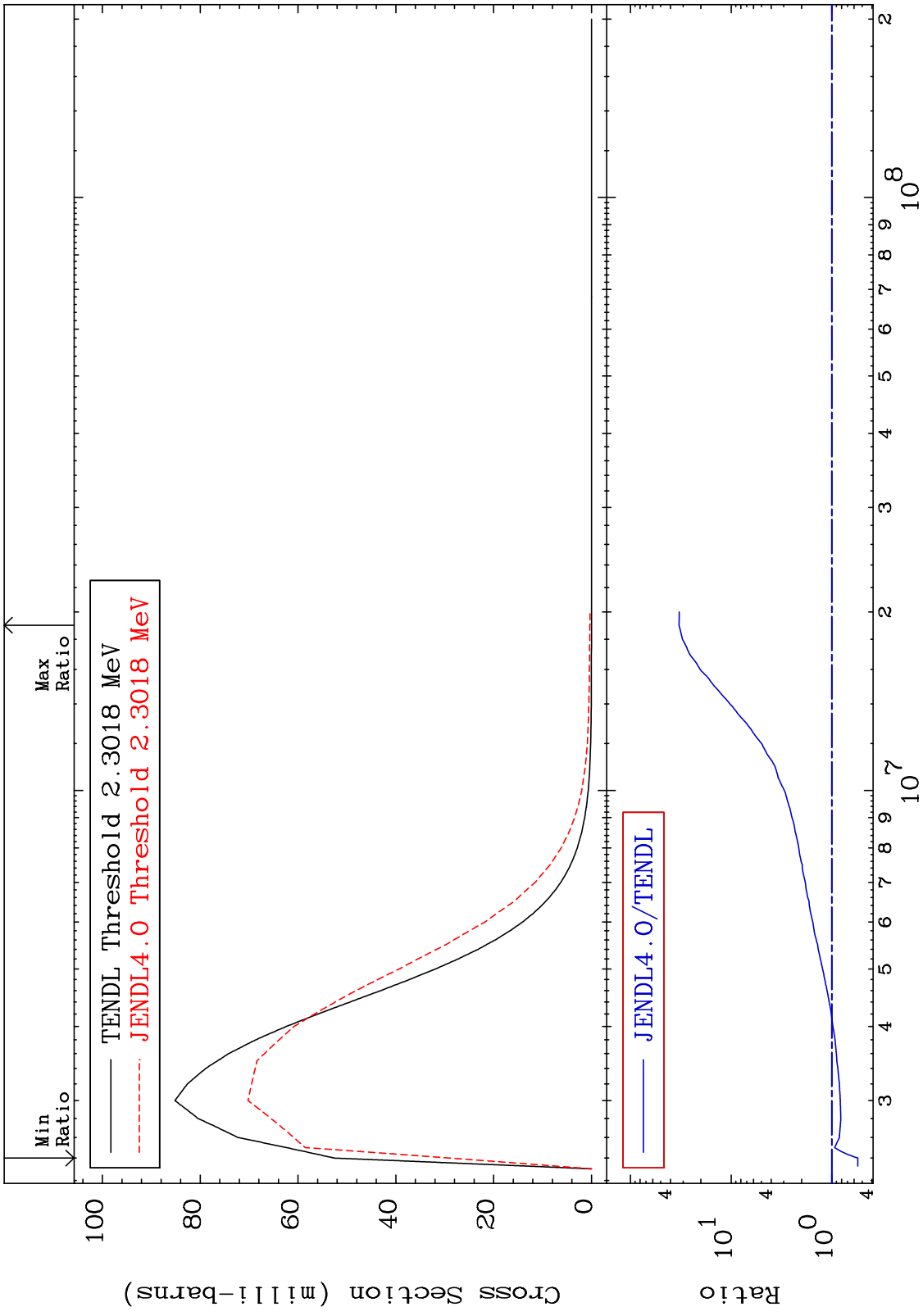
MAT 2034 MT= 62 (n,n') Level Cross Section -75.92 To 9999. % 20-Ca-43



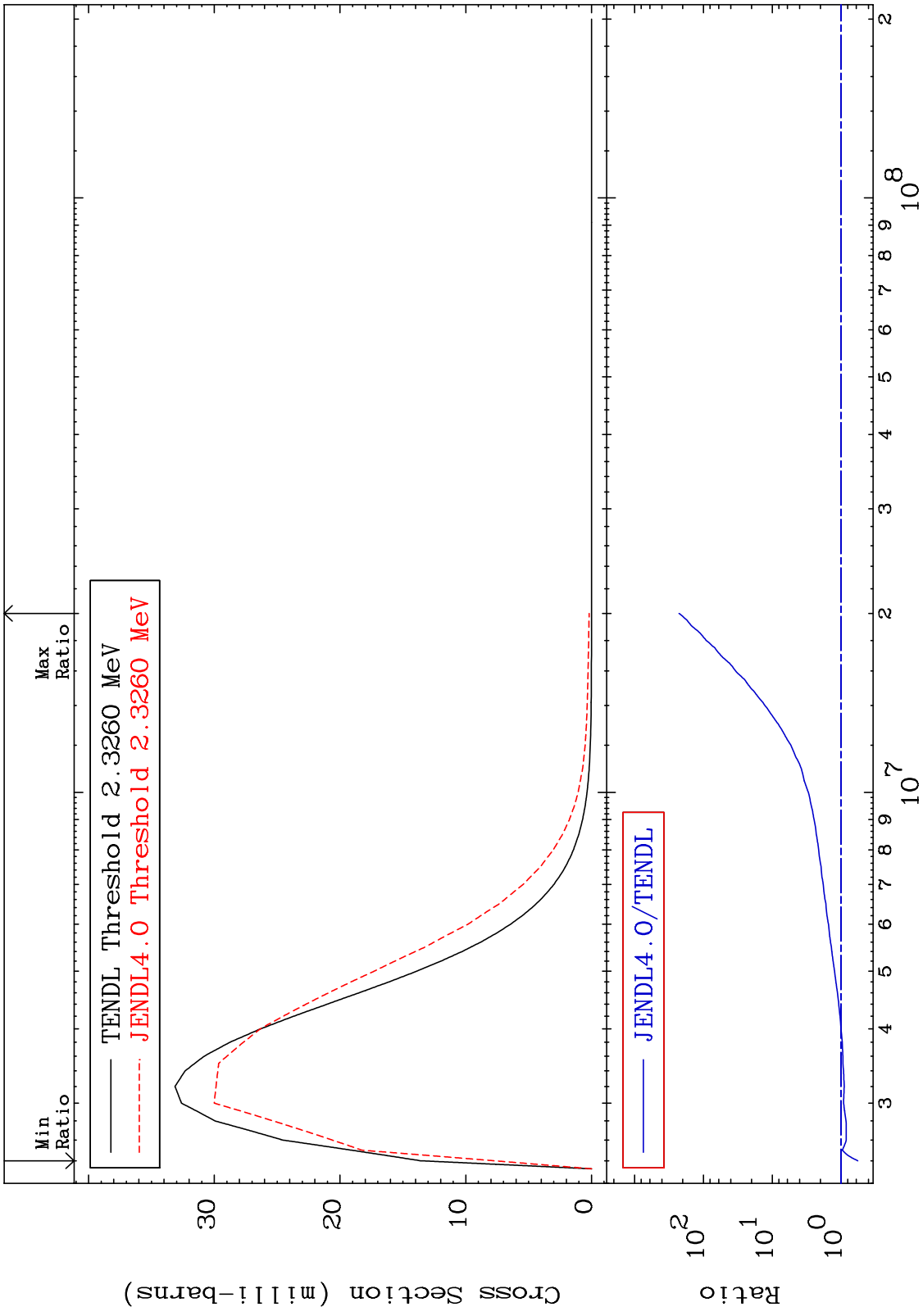
MAT 2034 MT= 63 (n,n') Level Cross Section -75.03 To 9999. % 20-Ca-43



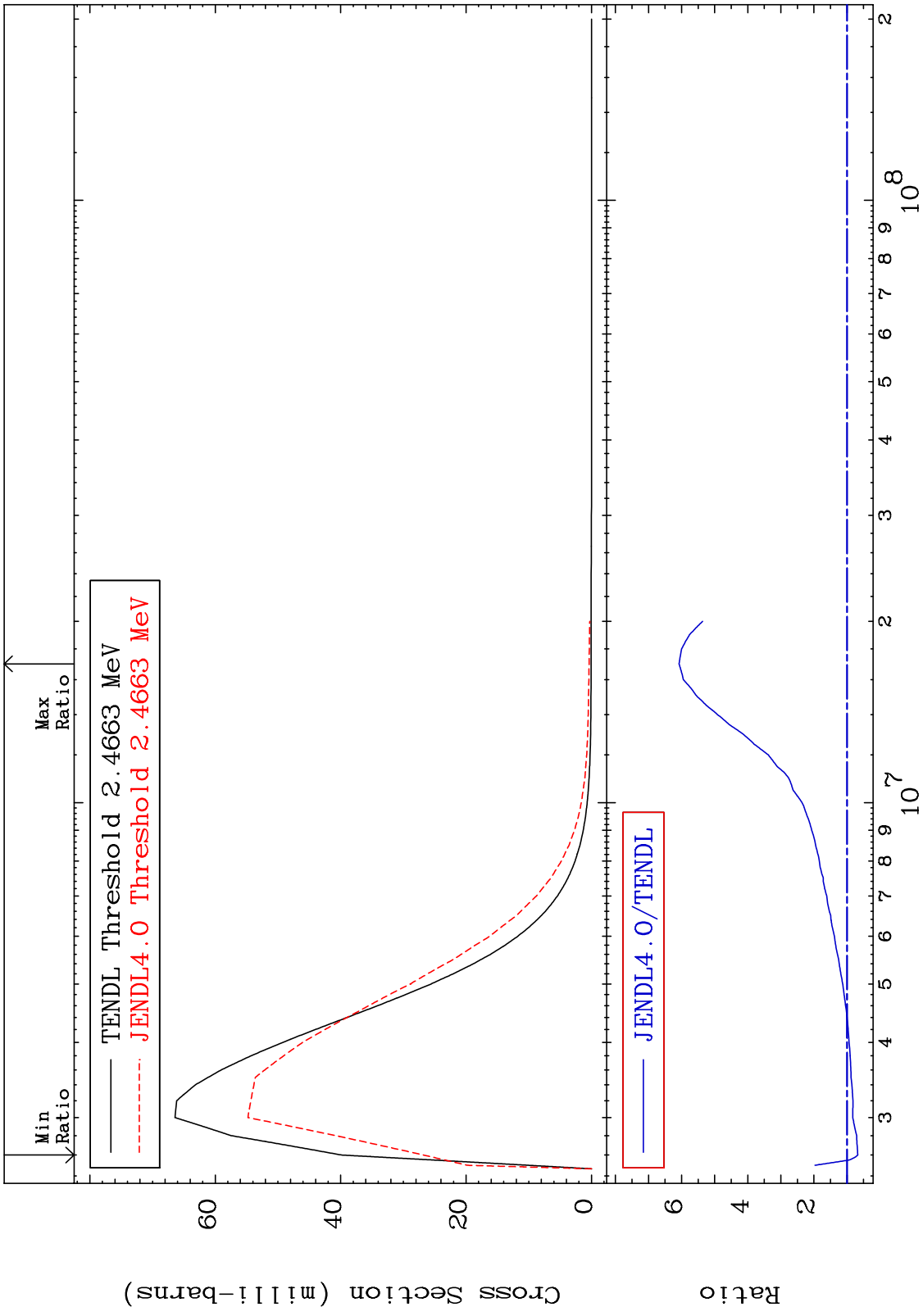
MAT 2034 MT= 64 (n,n') Level Cross Section -44.82 To 3188. % 20-Ca-43



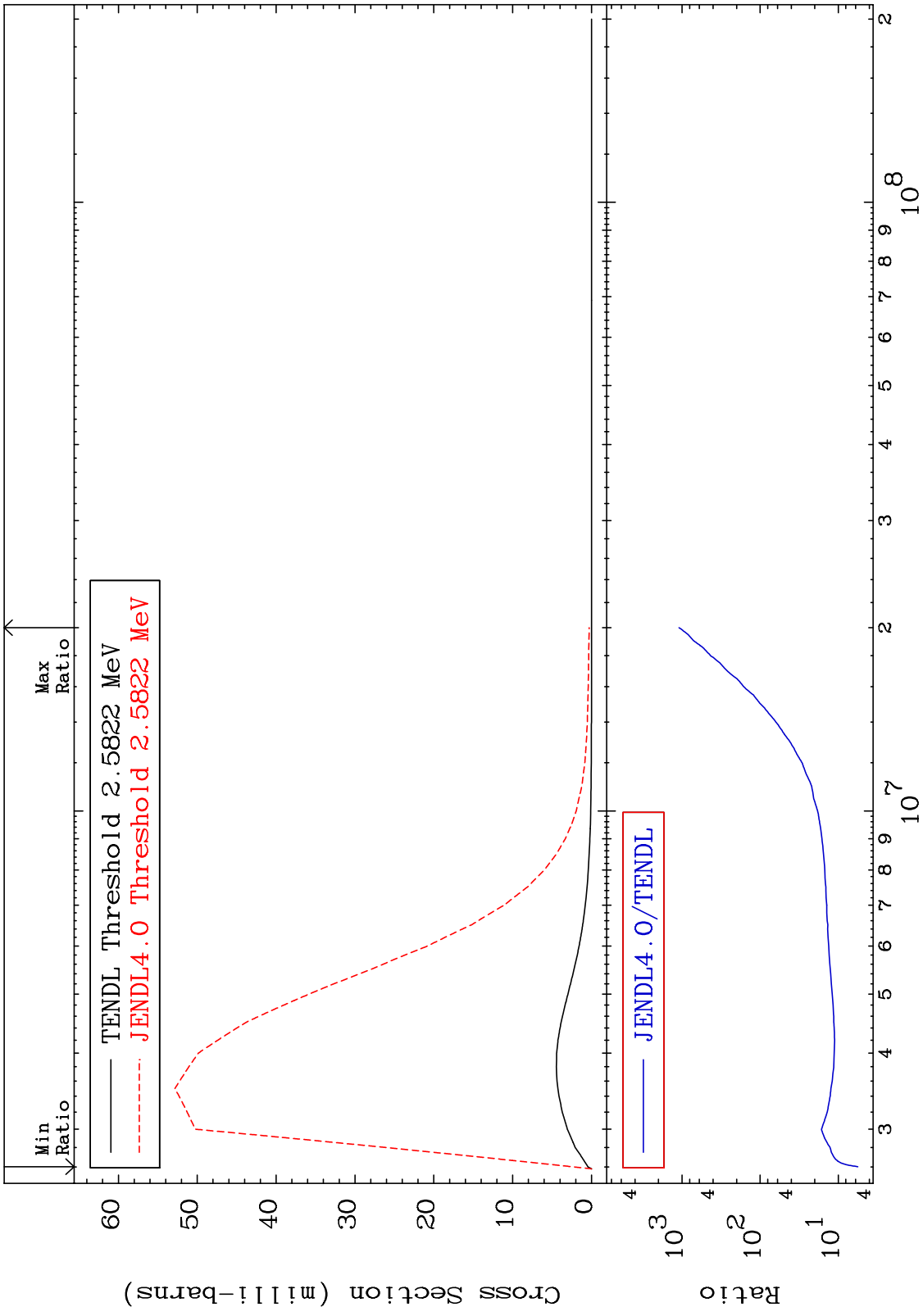
MAT 2034 MT= 65 (n,n') Level Cross Section -42.95 To 9999. % 20-Ca-43



MAT 2034 MT= 66 (n,n') Level Cross Section -32.73 To 507.7 % 20-Ca-43

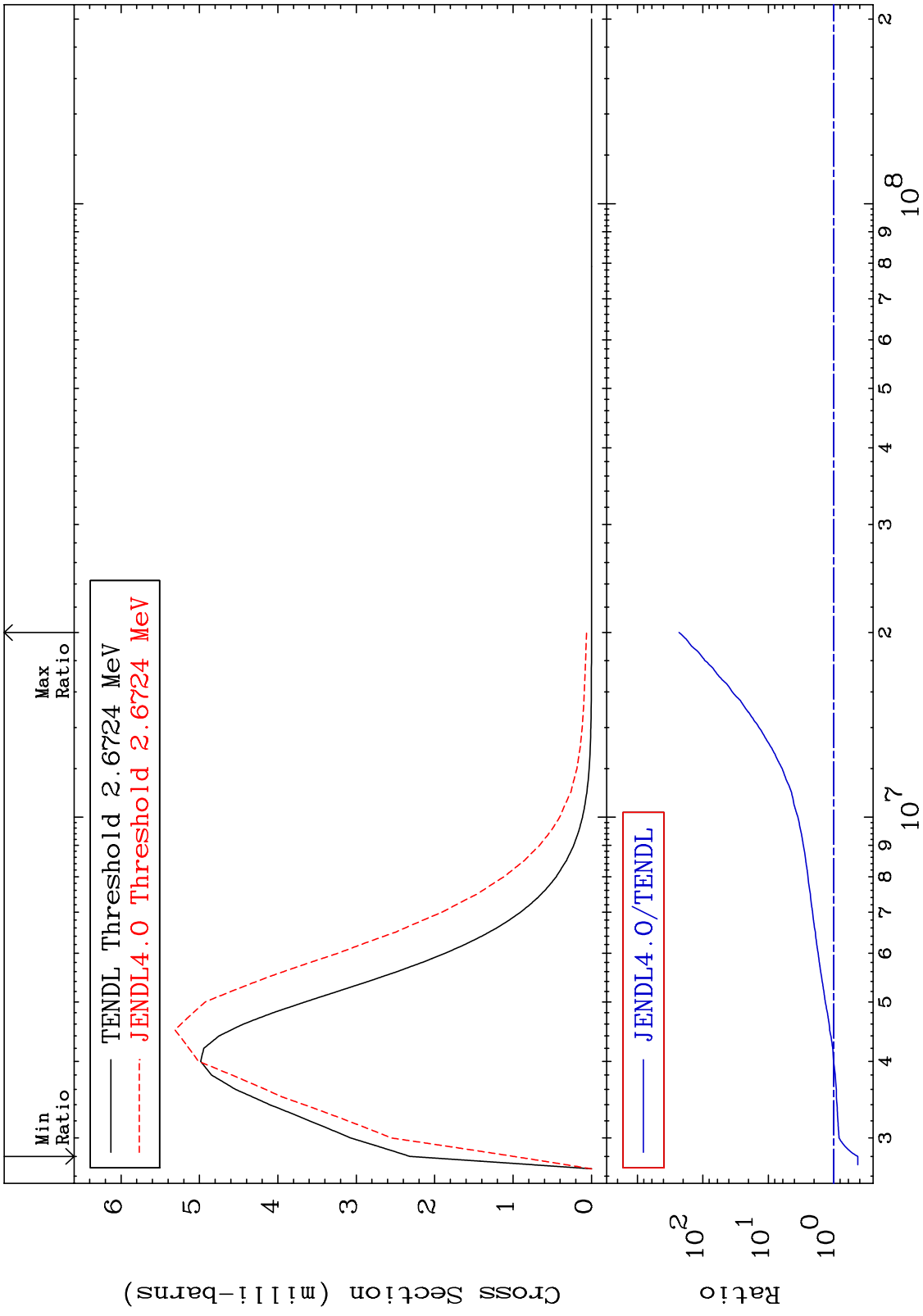


MAT 2034 MT= 67 (n,n') Level Cross Section 20-Ca-43 461.3 To 9999. %

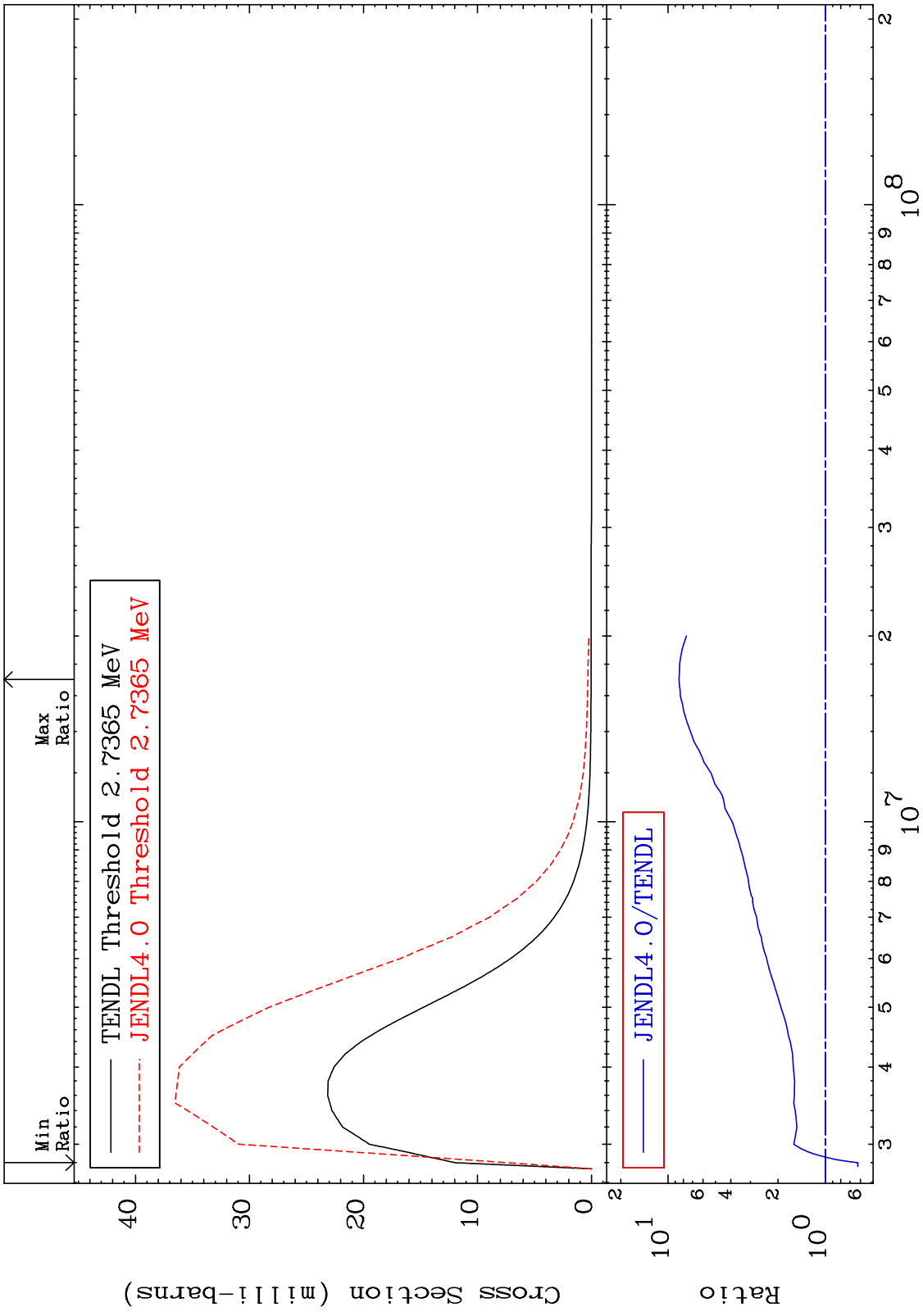




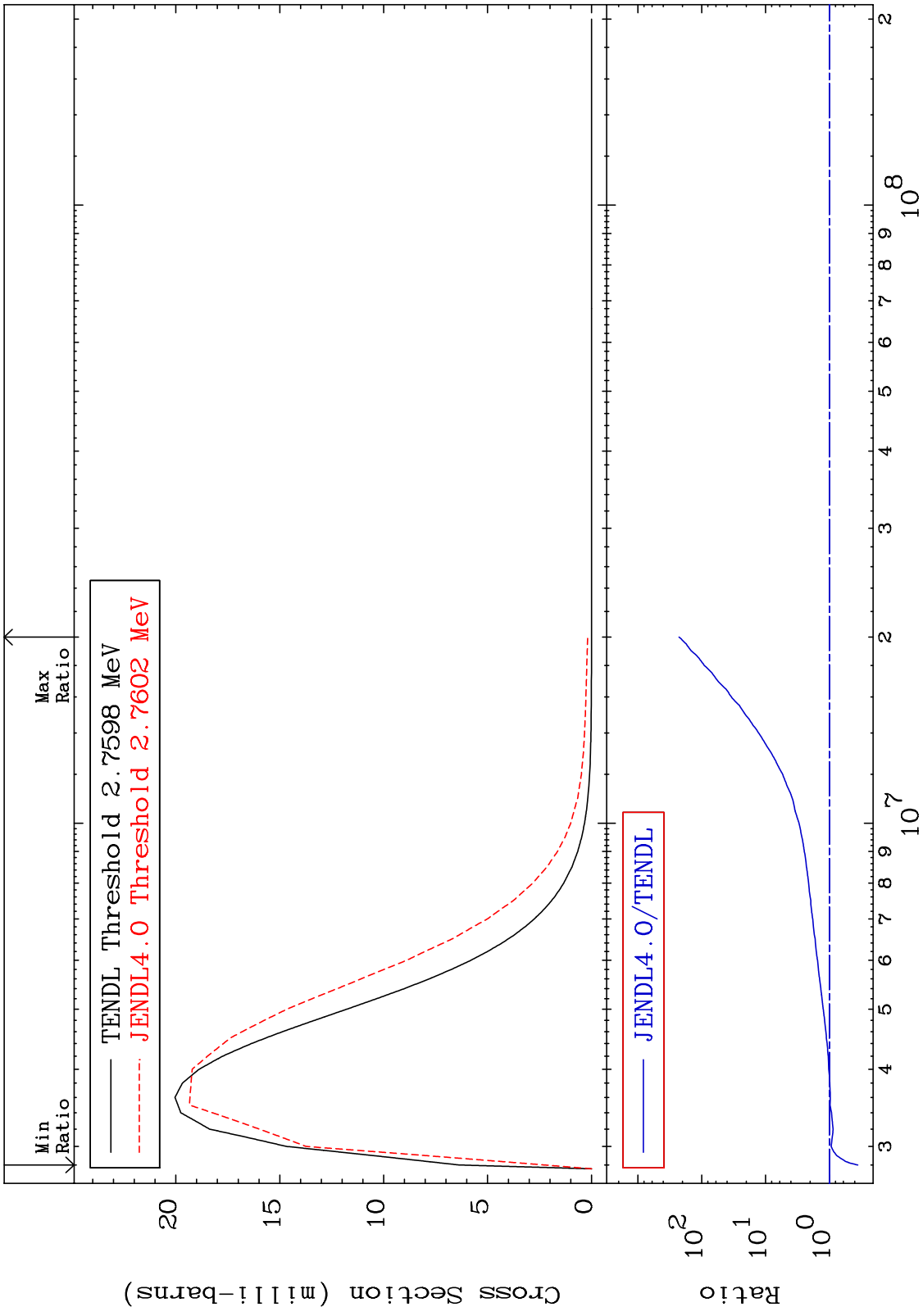
MAT 2034 MT= 68 (n,n') Level Cross Section -57.10 To 9999. % 20-Ca-43



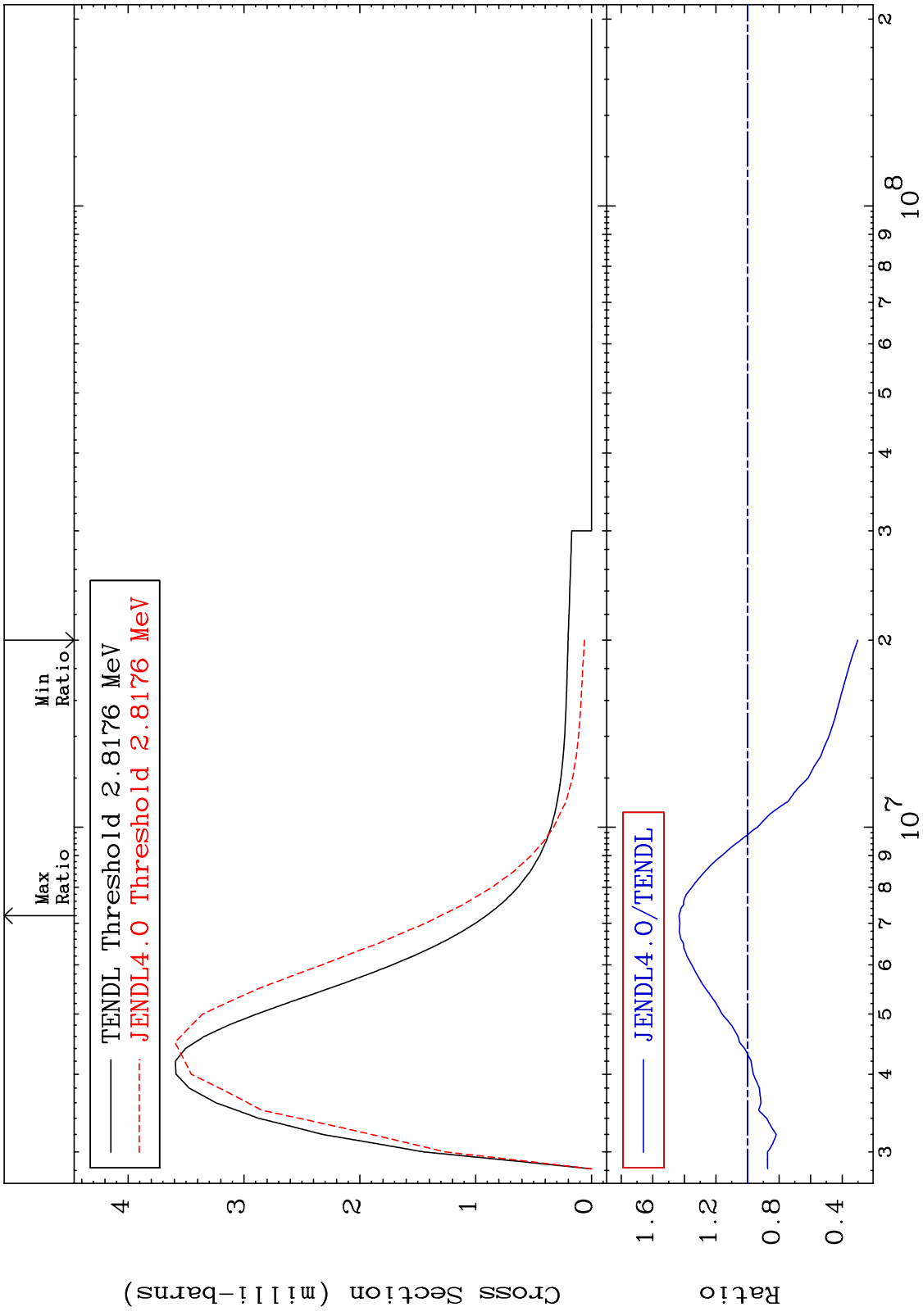
MAT 2034 MT= 69 (n,n') Level Cross Section -37.71 To 752.0 % 20-Ca-43



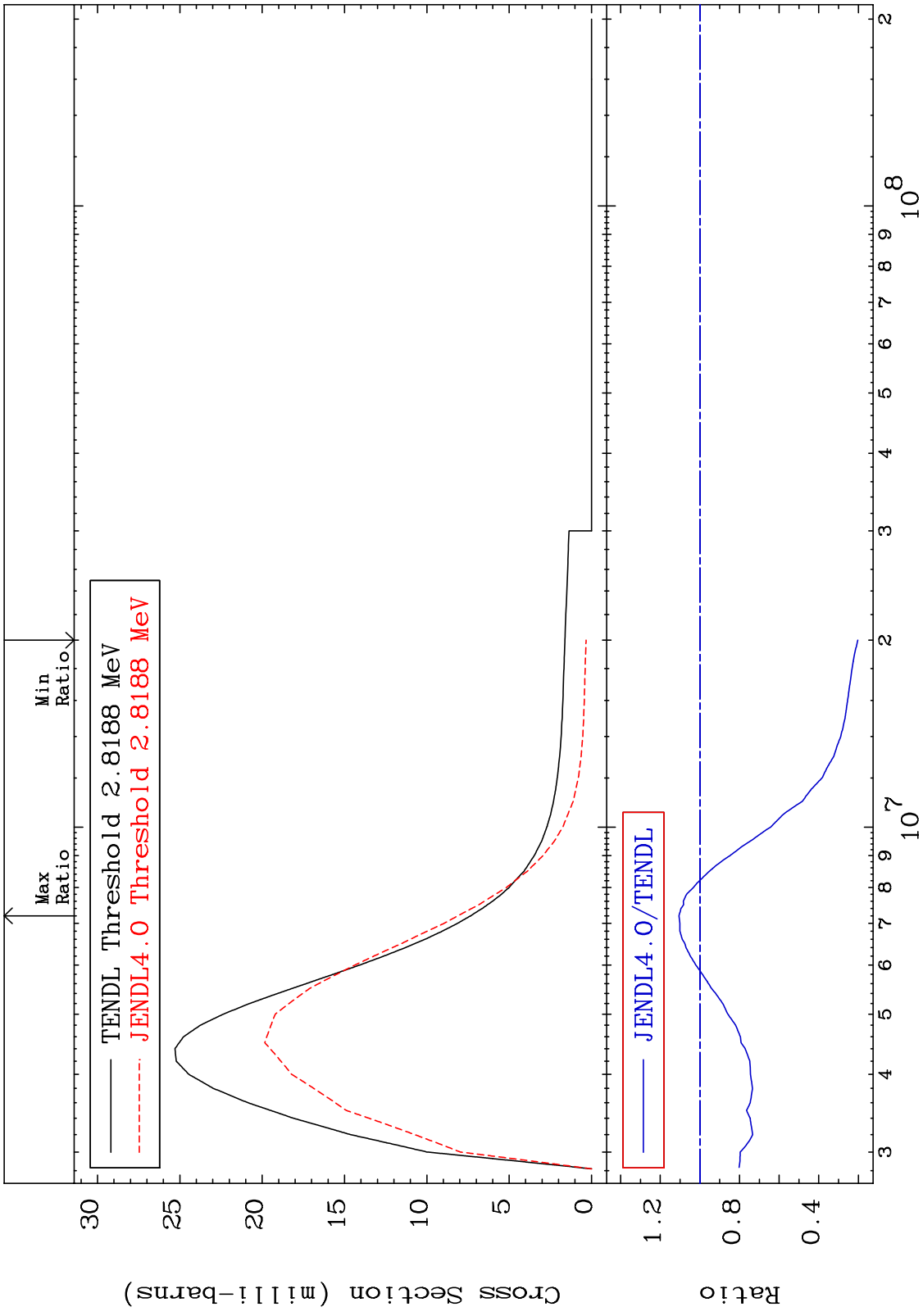
MAT 2034 MT= 70 (n,n') Level Cross Section -64.32 To 9999. % 20-Ca-43



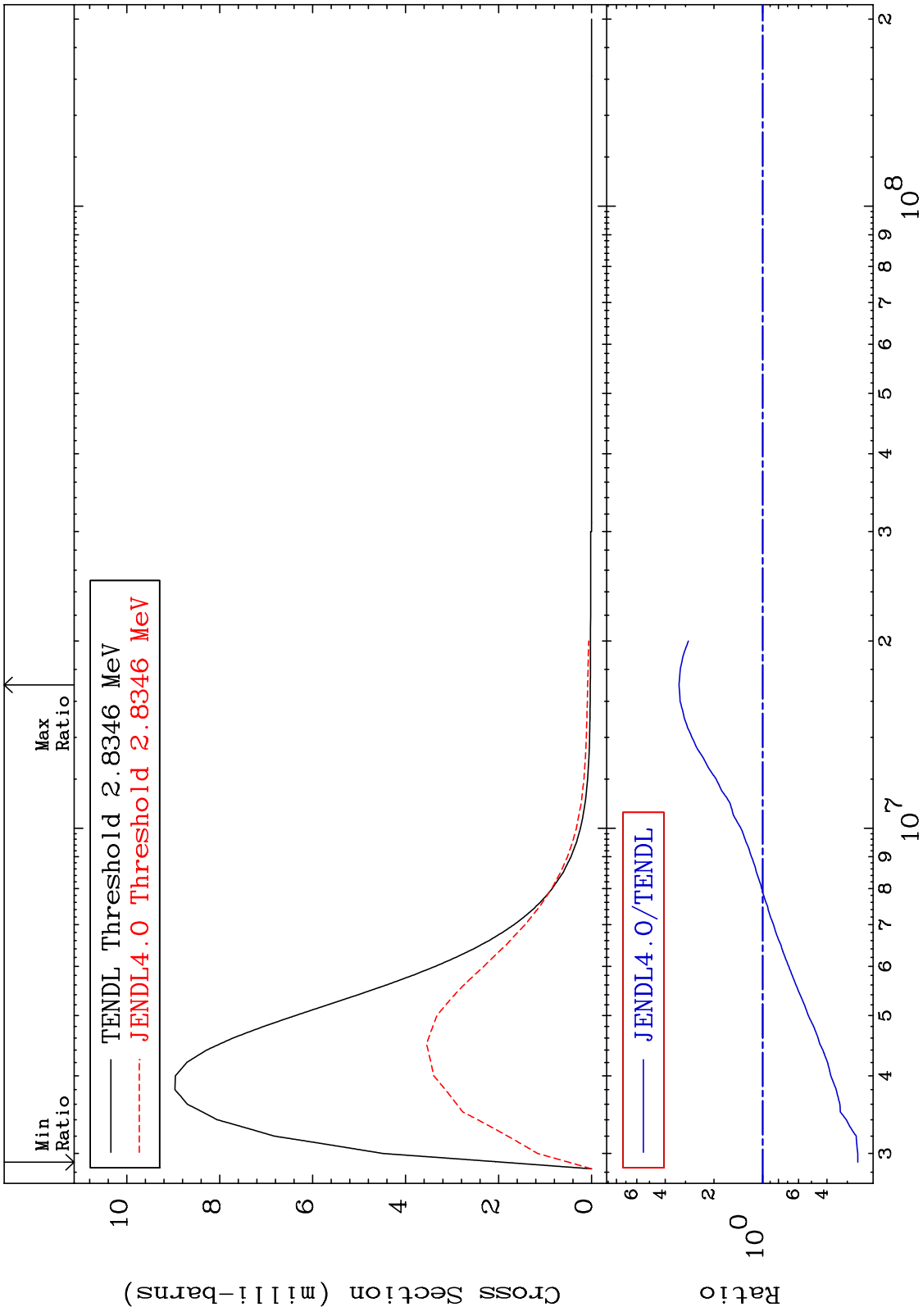
MAT 2034 MT= 71 (n,n') Level Cross Section -69.91 To 43.40 % 20-Ca-43



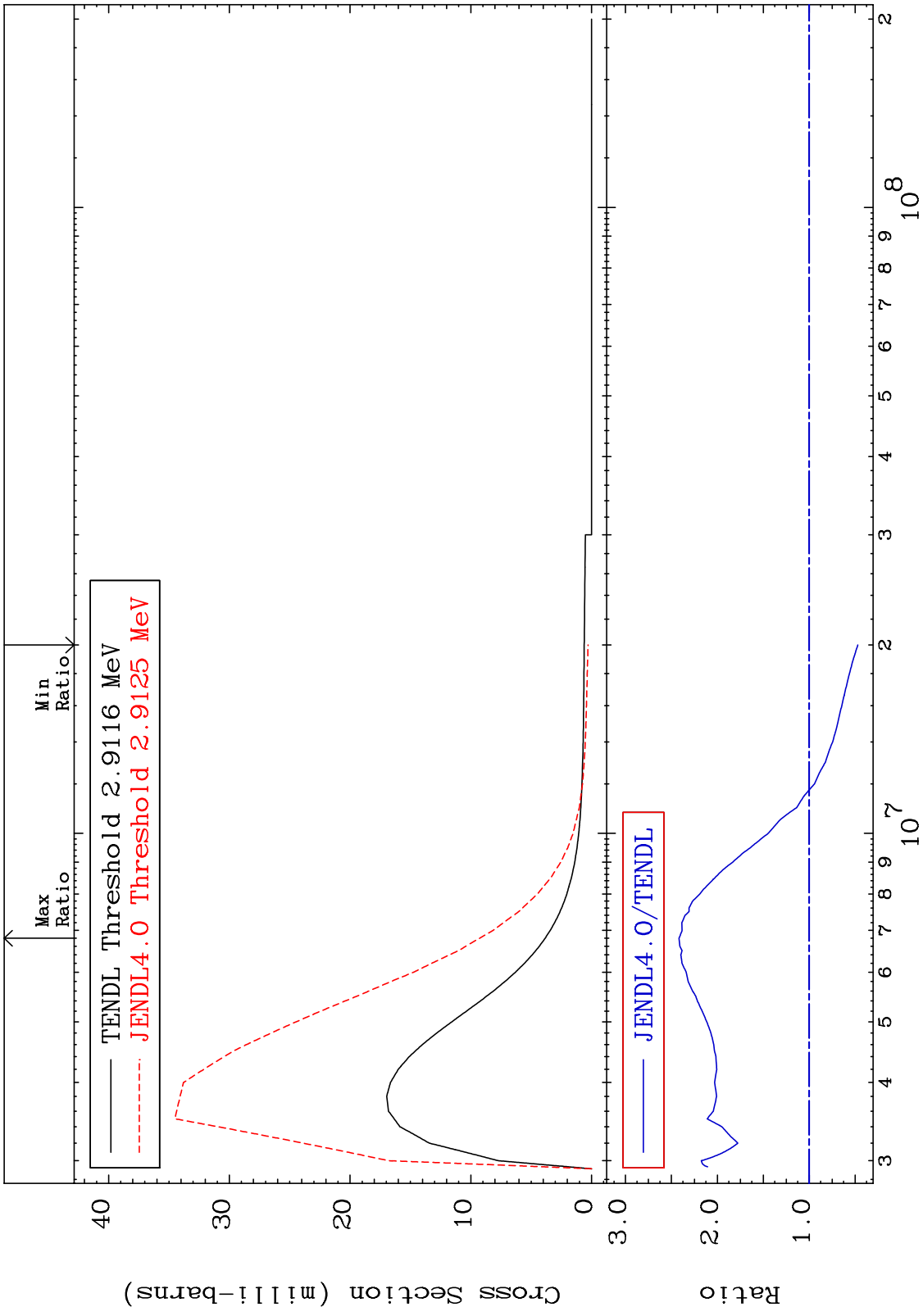
MAT 2034 MT= 72 (n,n') Level Cross Section -79.73 To 10.52 % 20-Ca-43



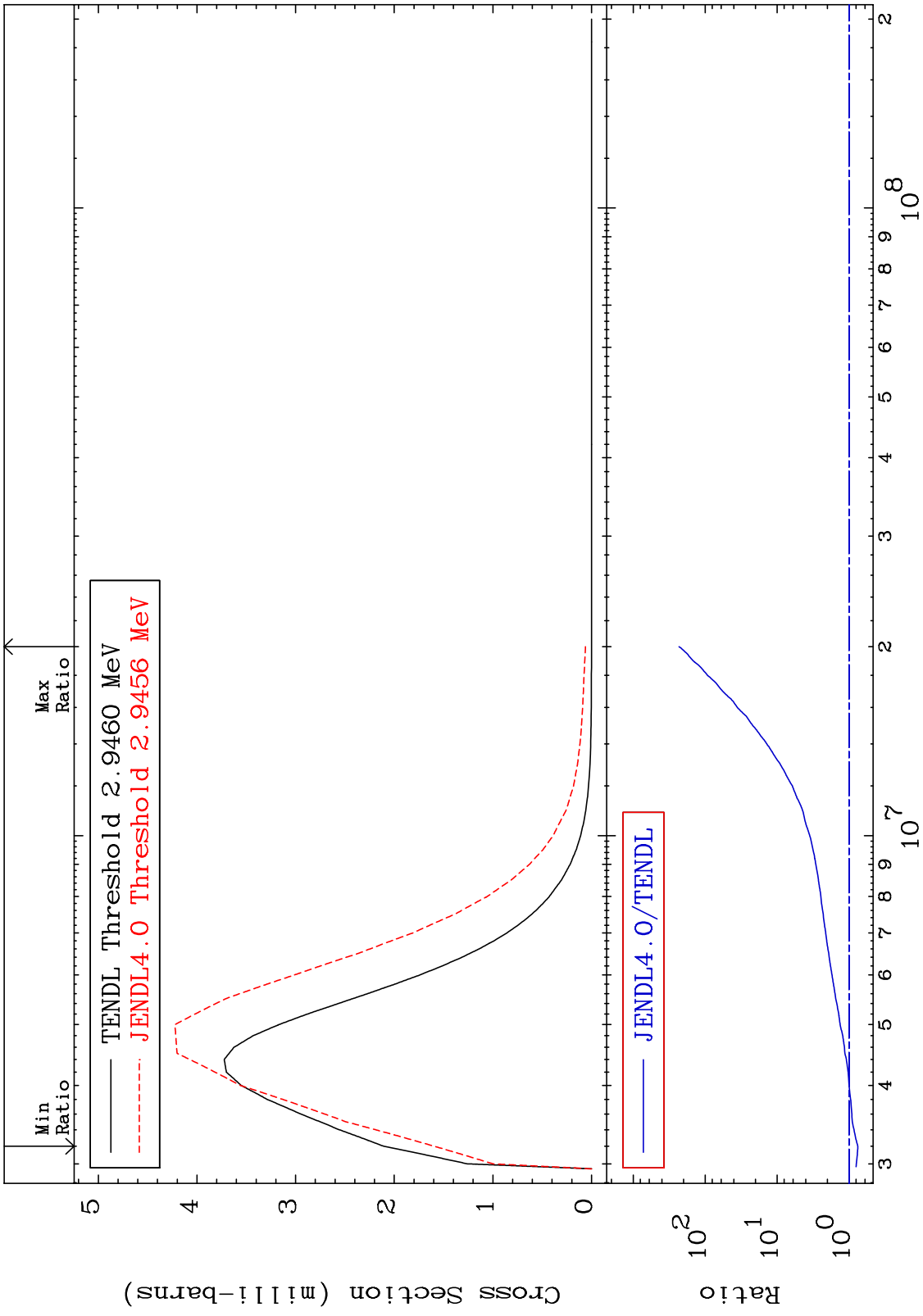
MAT 2034 MT= 73 (n,n') Level Cross Section -74.19 To 228.6 % 20-Ca-43



MAT 2034 MT= 74 (n,n') Level Cross Section -53.02 To 141.7 % 20-Ca-43

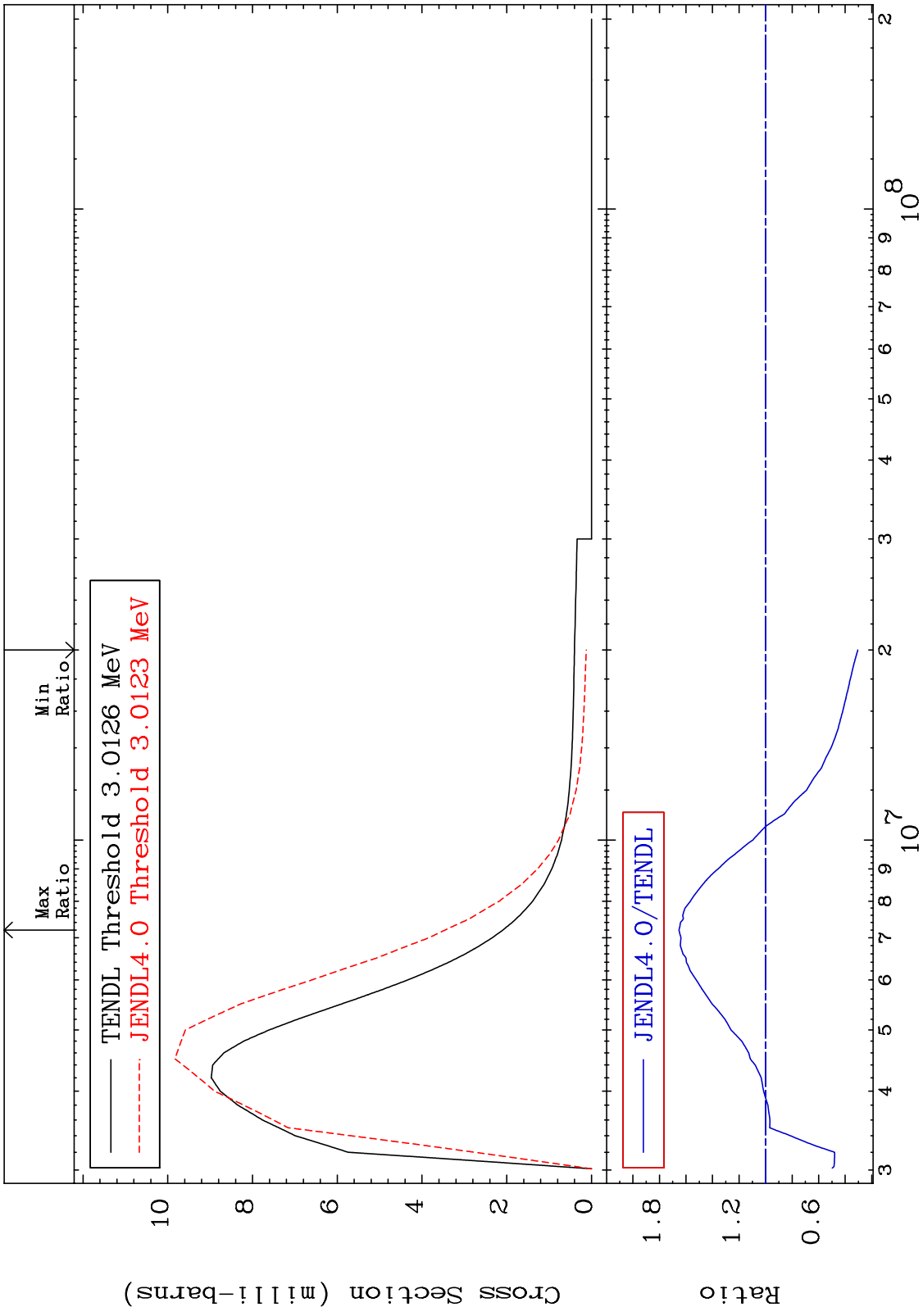


MAT 2034 MT= 75 (n,n') Level Cross Section -24.34 To 9999. % 20-Ca-43

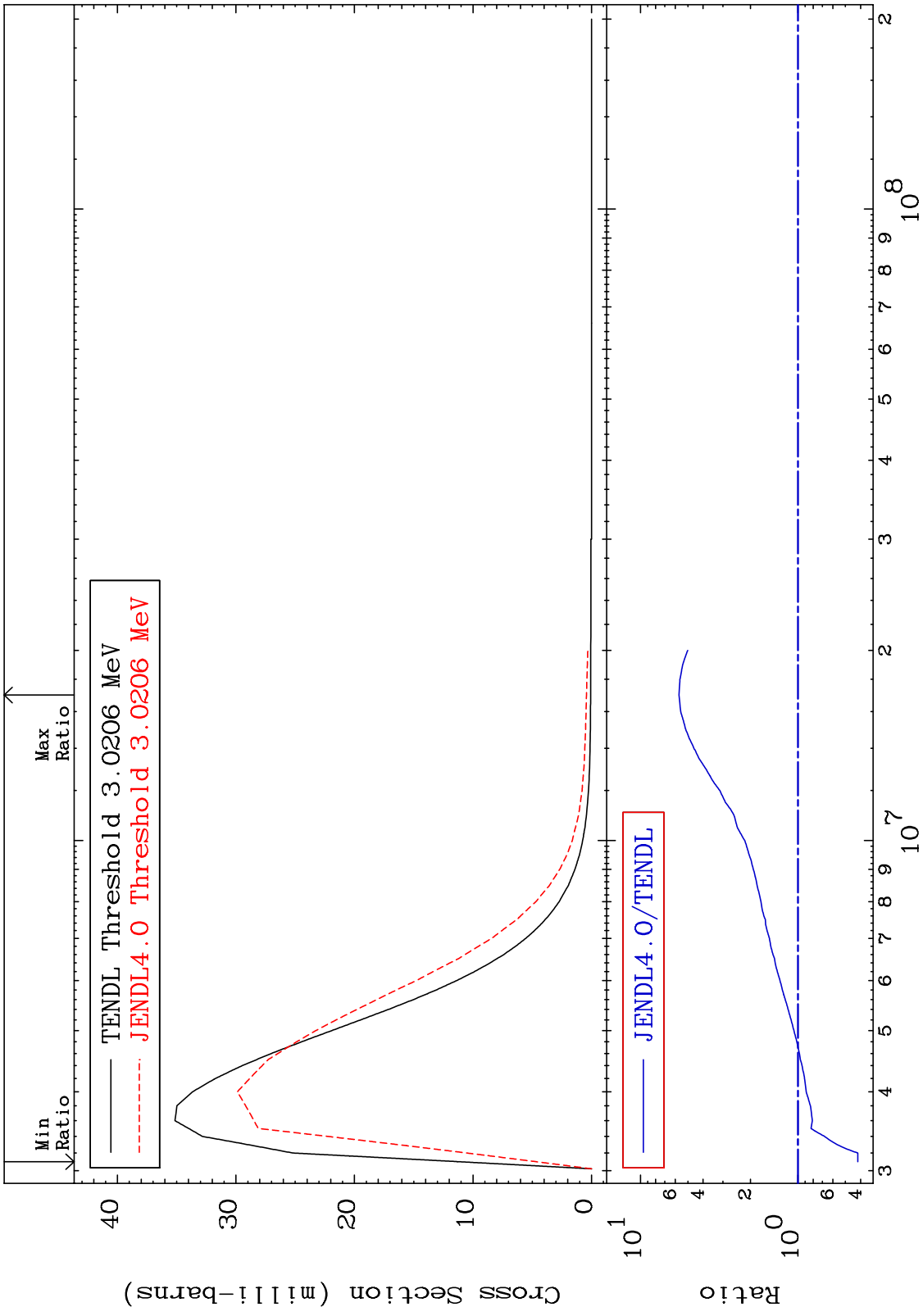




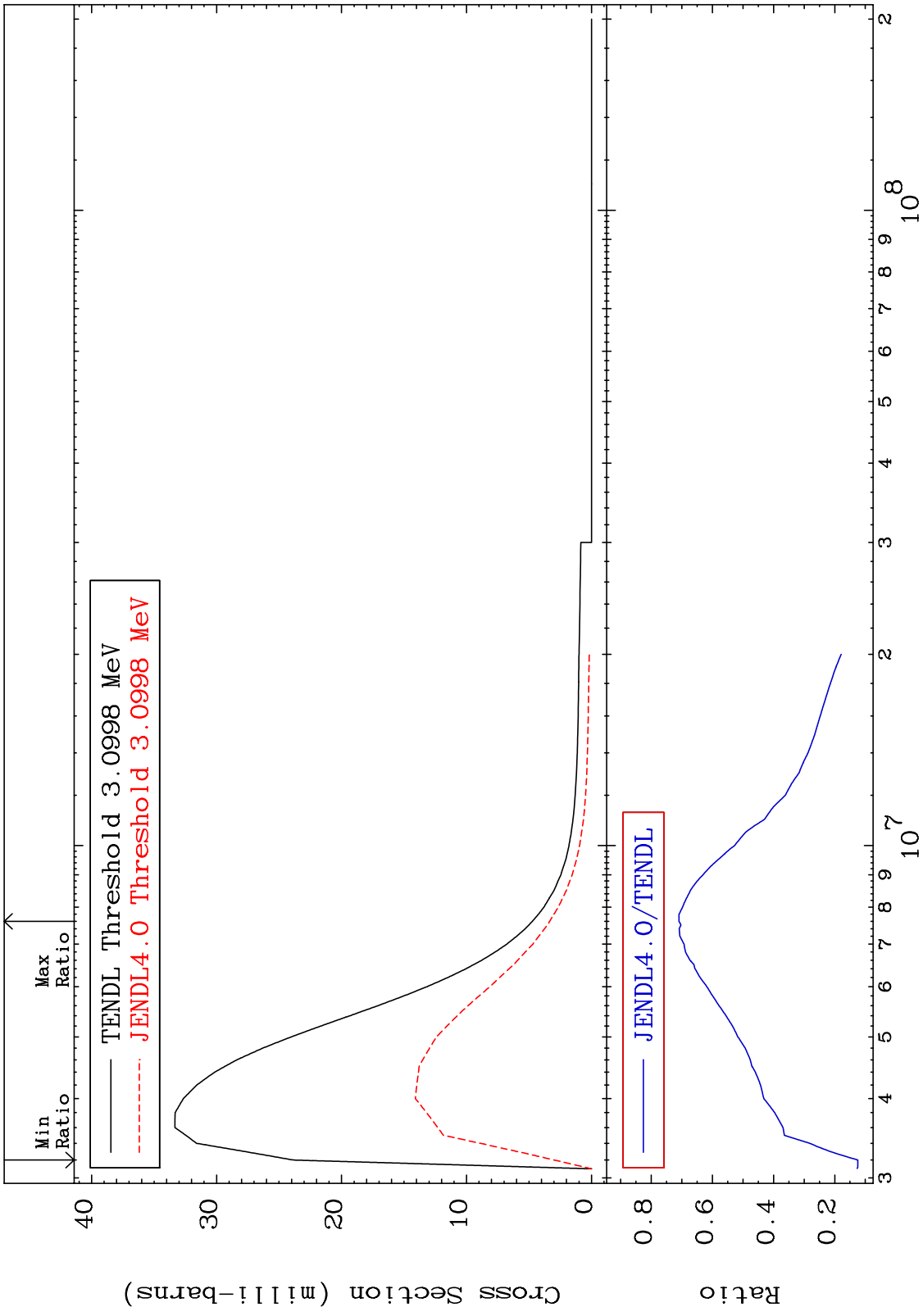
MAT 2034 MT= 76 (n,n') Level Cross Section -69.54 To 65.24 % 20-Ca-43



MAT 2034 MT= 77 (n,n') Level Cross Section -58.29 To 468.6 % 20-Ca-43



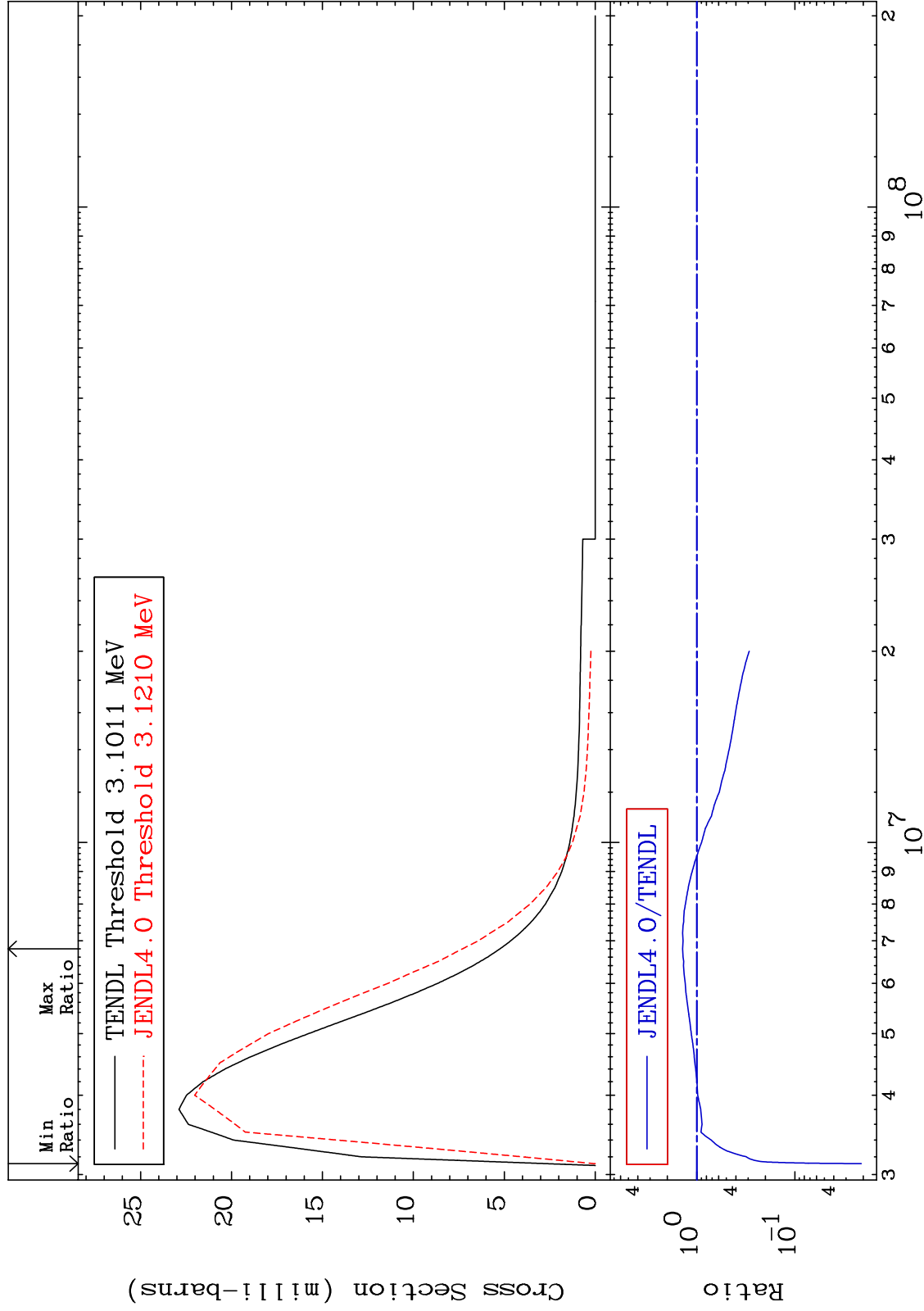
MAT 2034 MT= 78 (n,n') Level Cross Section -87.55 To -29.12% 20-Ca-43



MAT 2034

MT= 79 (n,n') Level  
Cross Section

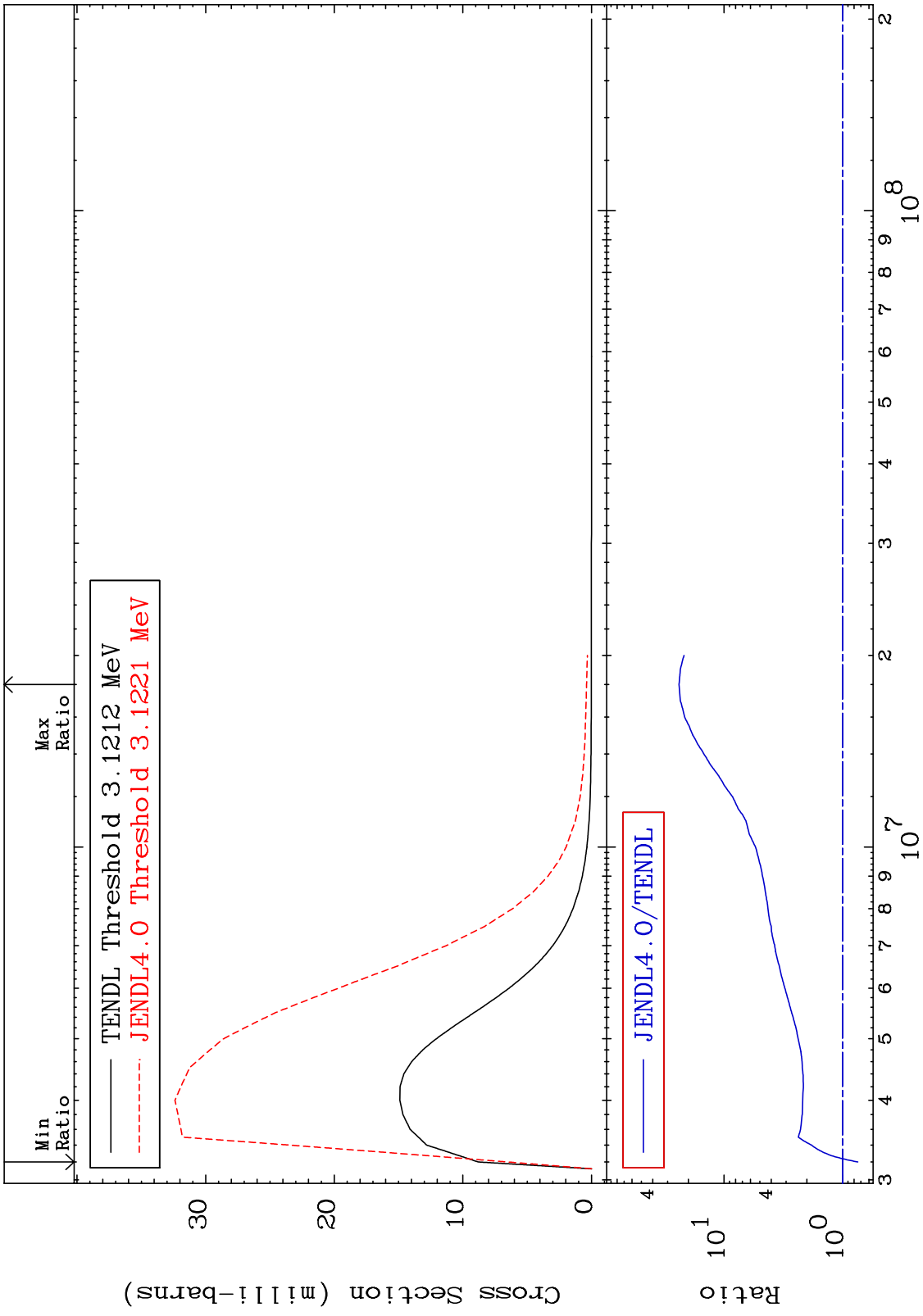
20-Ca-43  
-97.91 To 39.45 %

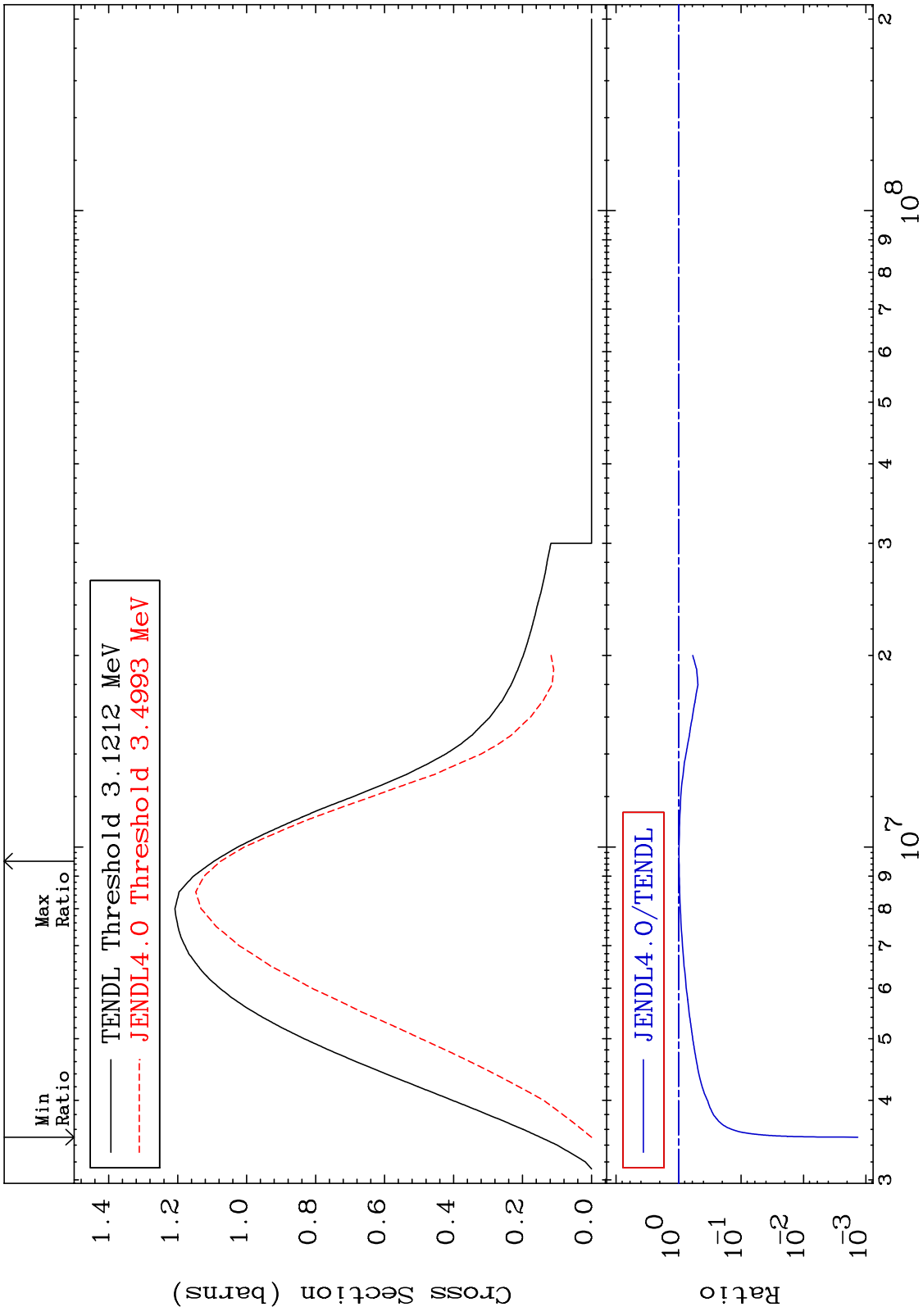


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20-Ca-43

MAT 2034 MT= 80 (n,n') Level Cross Section -25.67 To 2301. % 20-Ca-43





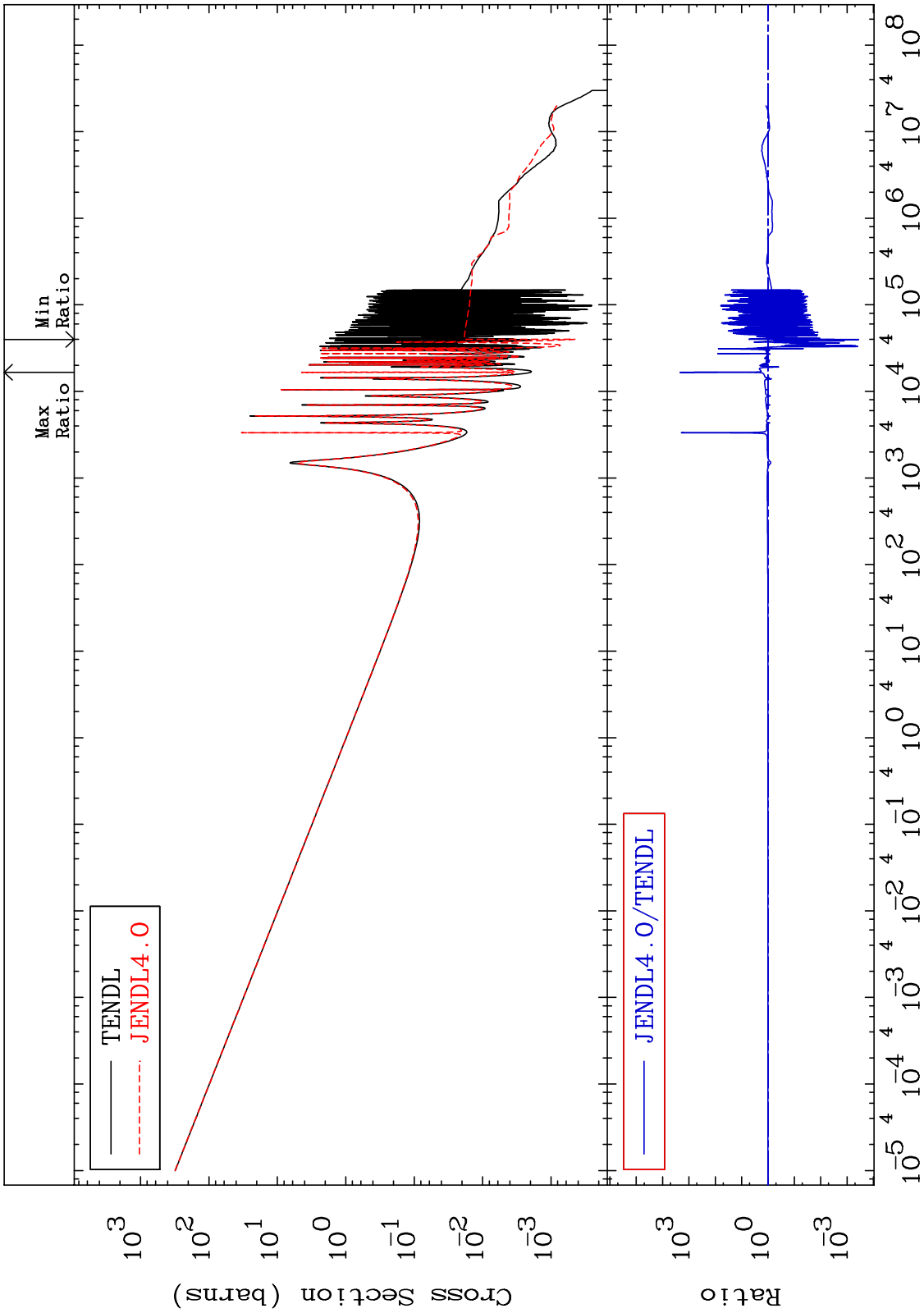
MAT 2034

(n,  $\gamma$ )

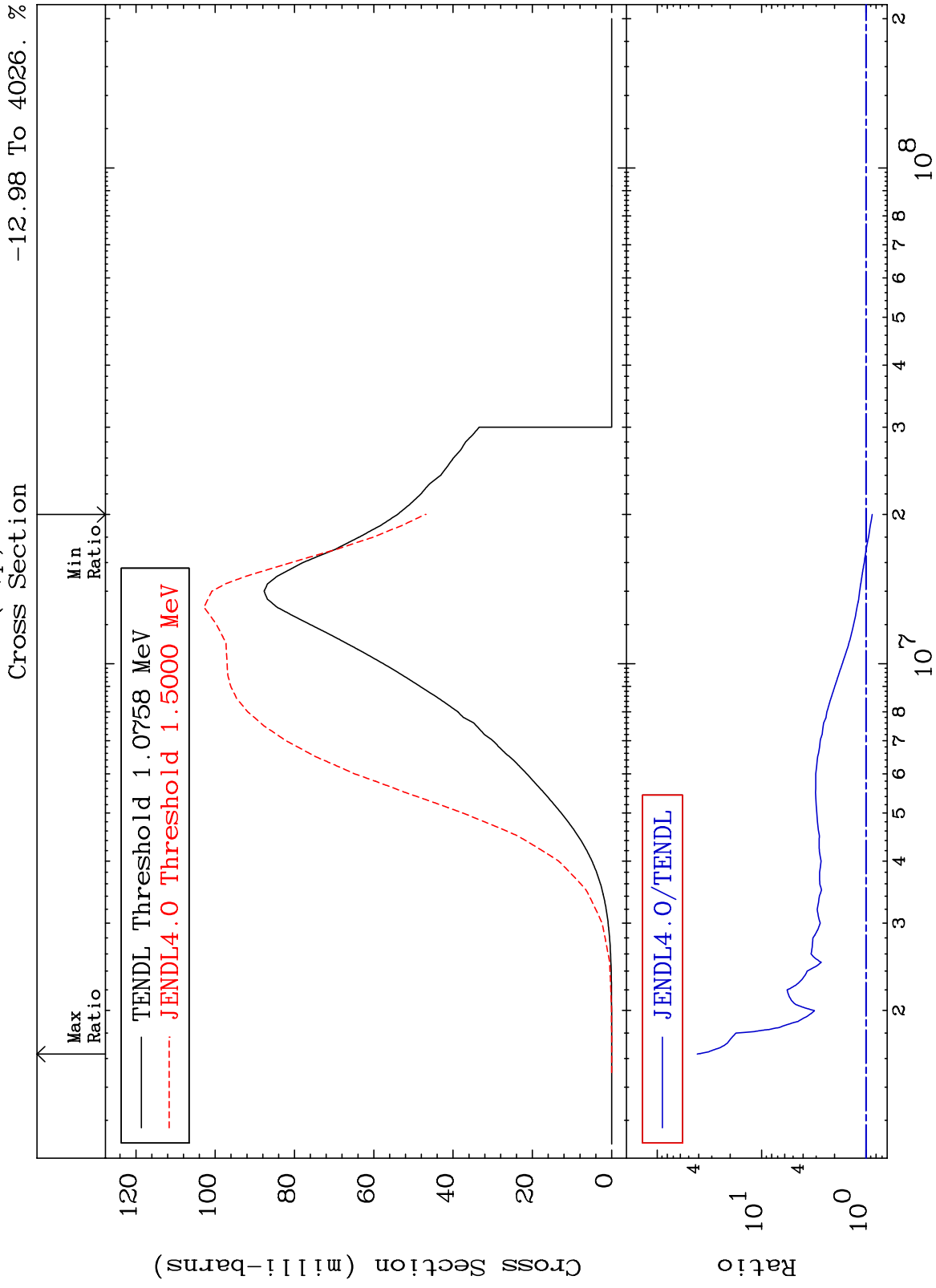
20-Ca-43

Cross Section

-99.96 To 9999. %



MAT 2034 (n,p) 20-Ca-43 -12.98 To 4026. %



20-Ca-43

Incident Energy (eV)



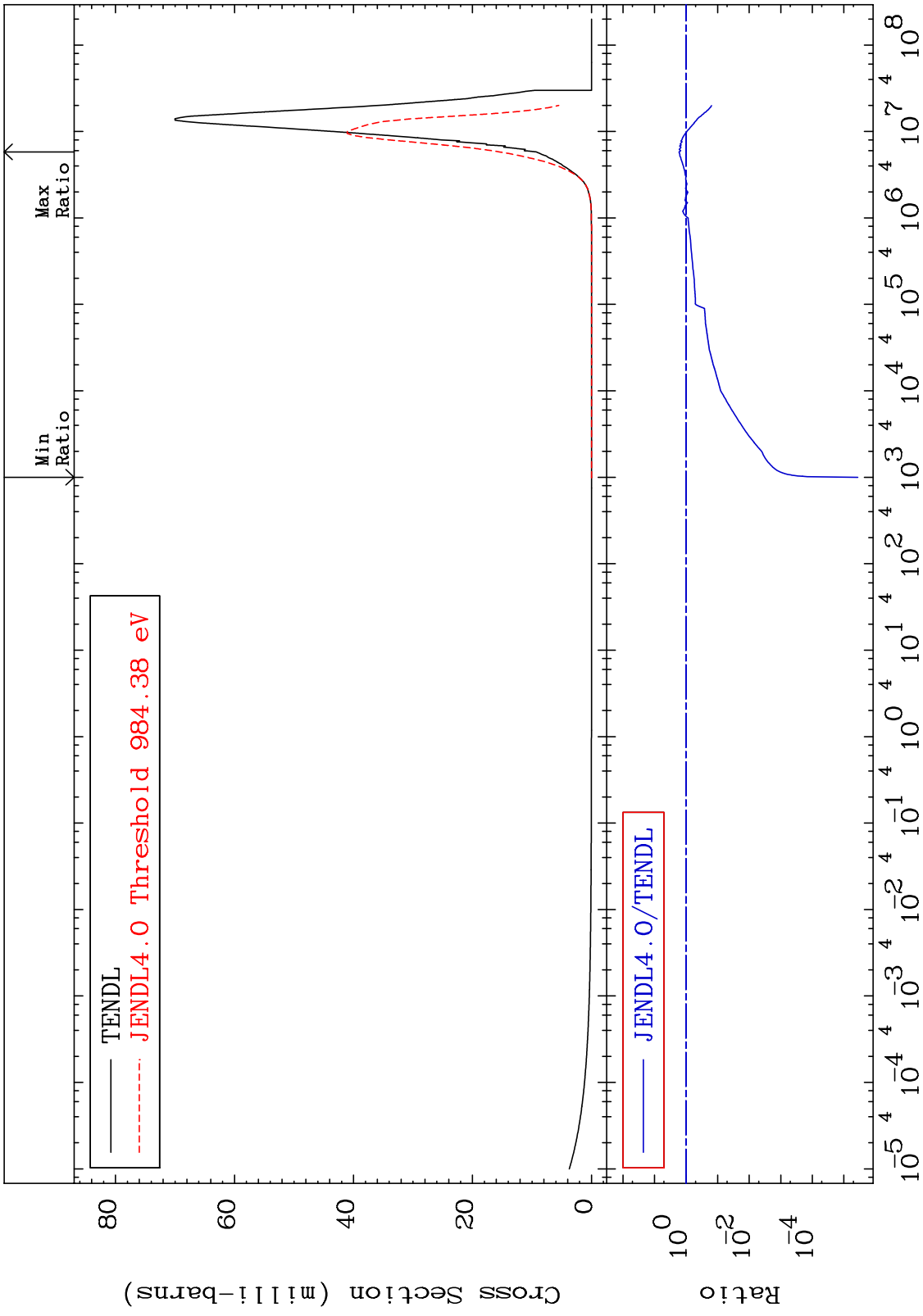
MAT 2034

(n,  $\alpha$ )

20-Ca-43

Cross Section

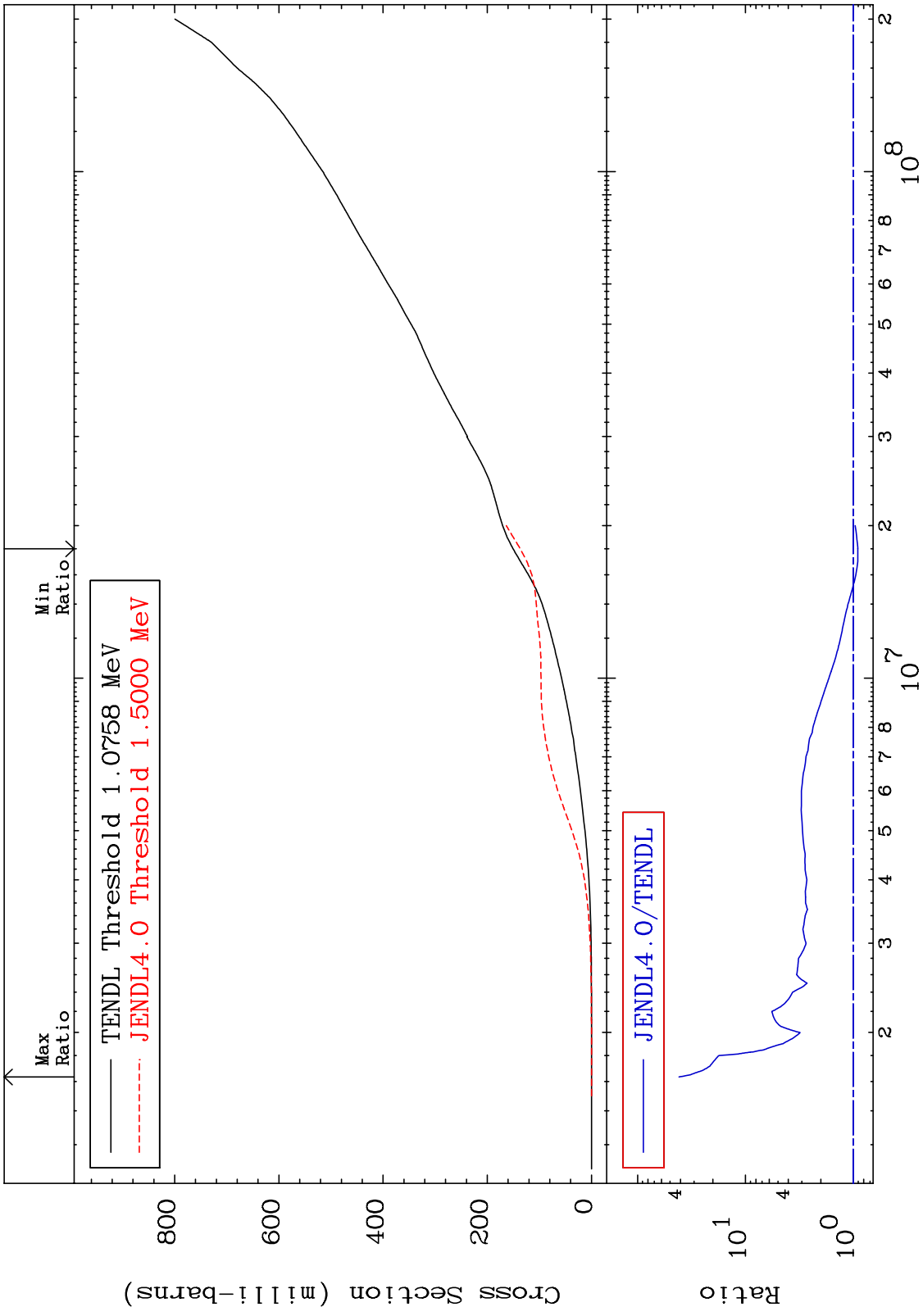
-100.0 To 66.63 %



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Incident Energy (eV)

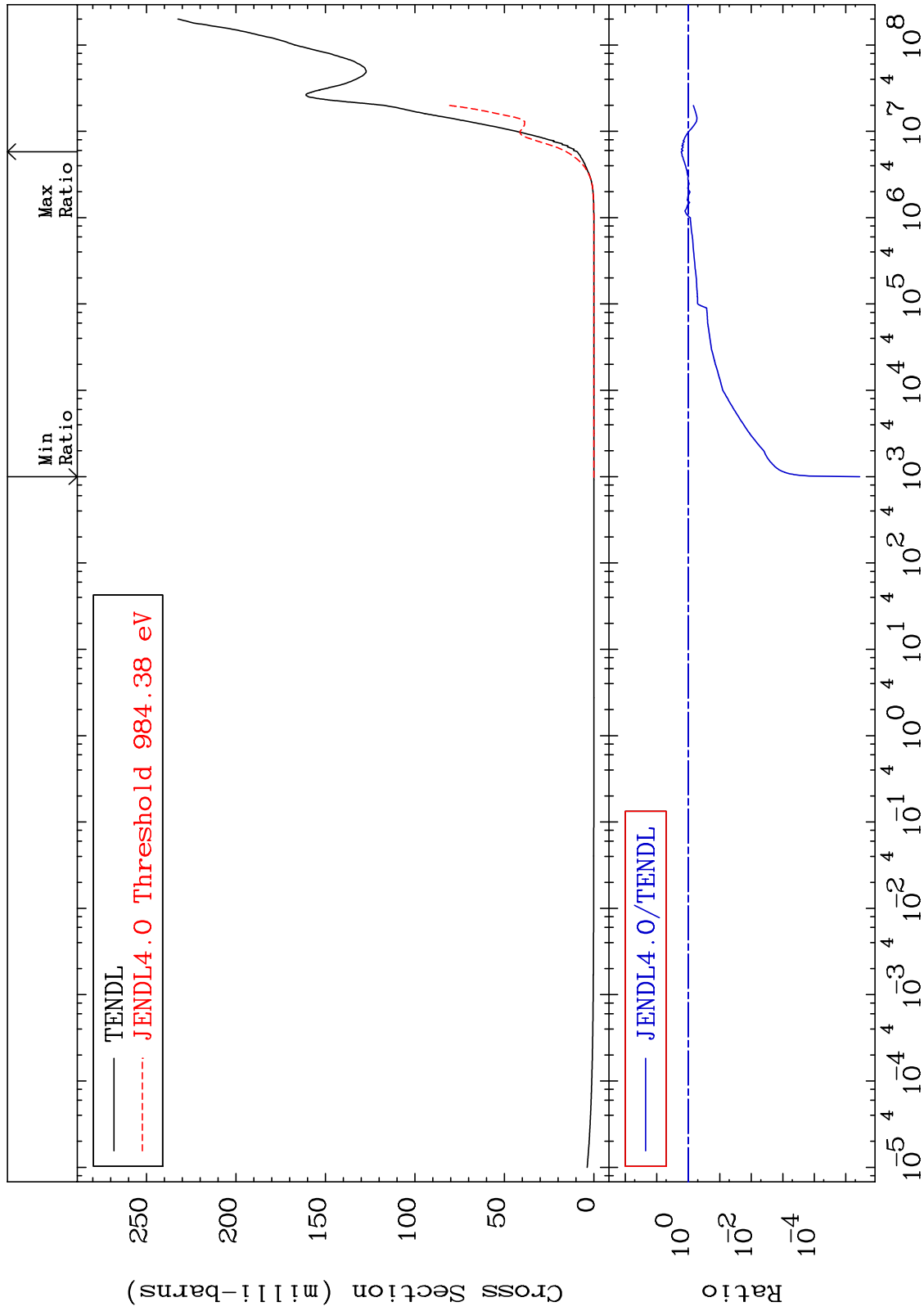
20-Ca-43



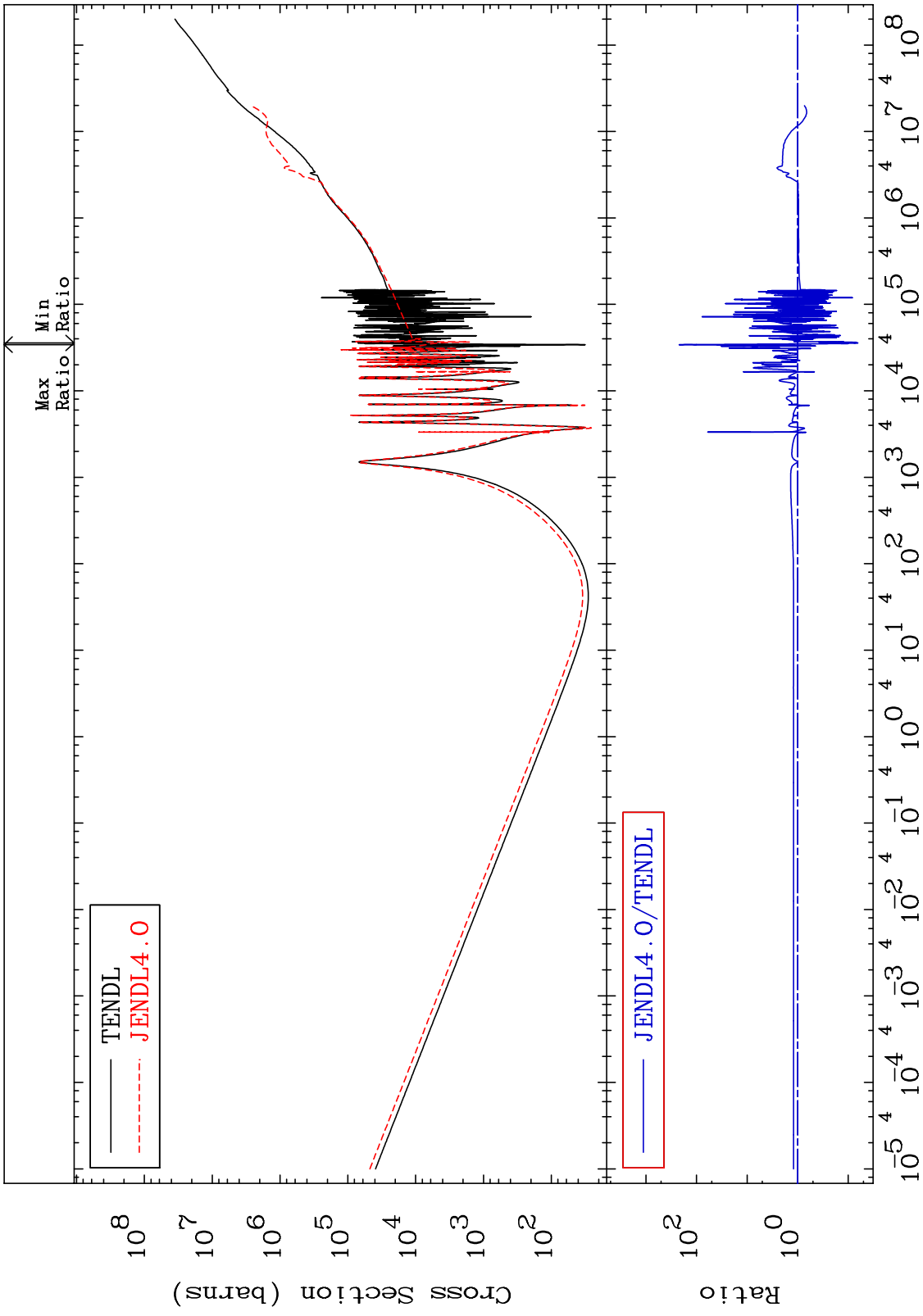
MAT 2034

He-4 Production  
Cross Section

20-Ca-43  
-100.0 To 66.63 %



MAT 2034 Kerma total (eV-barns) 20-Ca-43  
Cross Section -93.54 To 9999. %

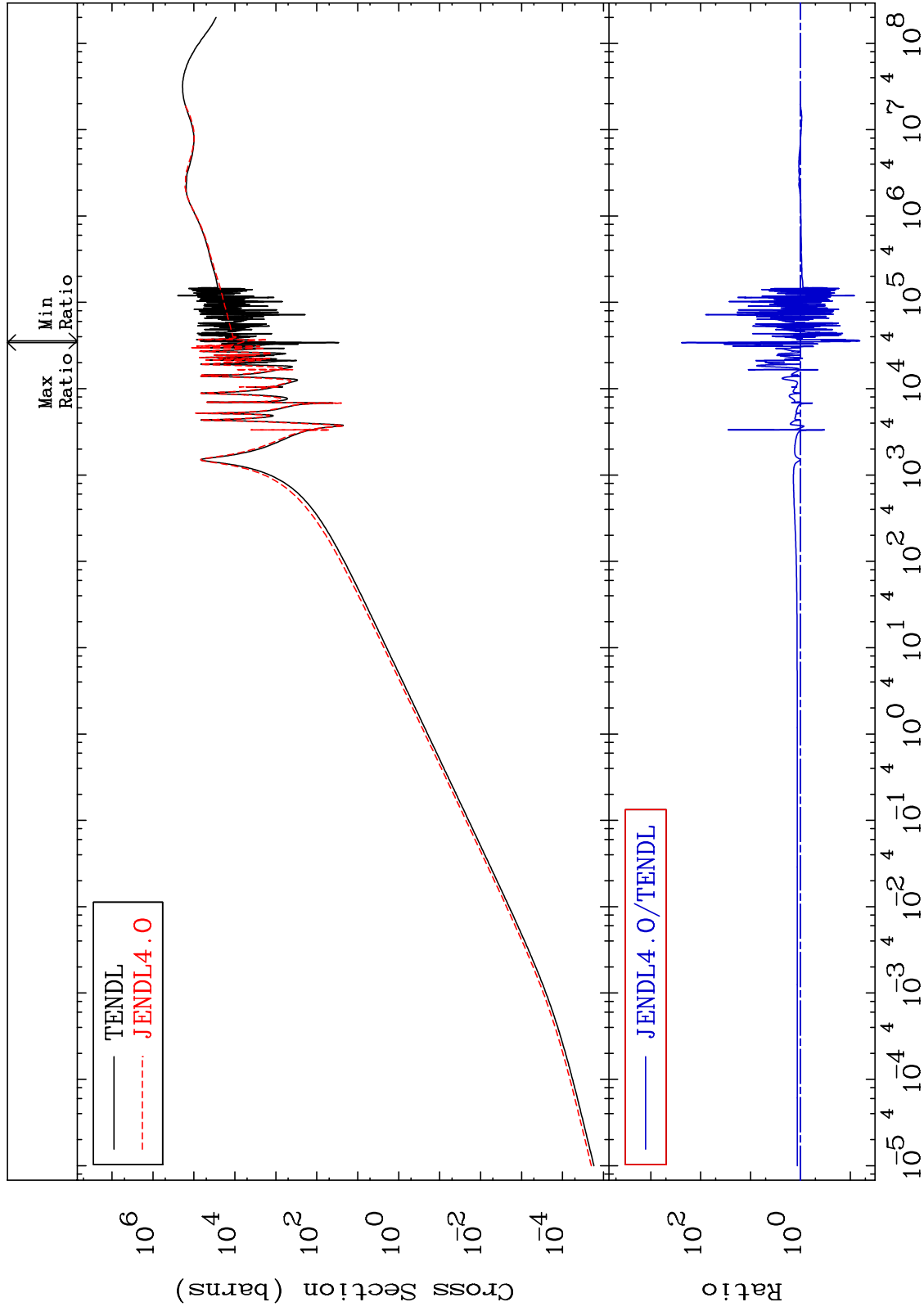


43 Incident Energy (eV) 20-Ca-43

MAT 2034

Kerma elastic  
Cross Section

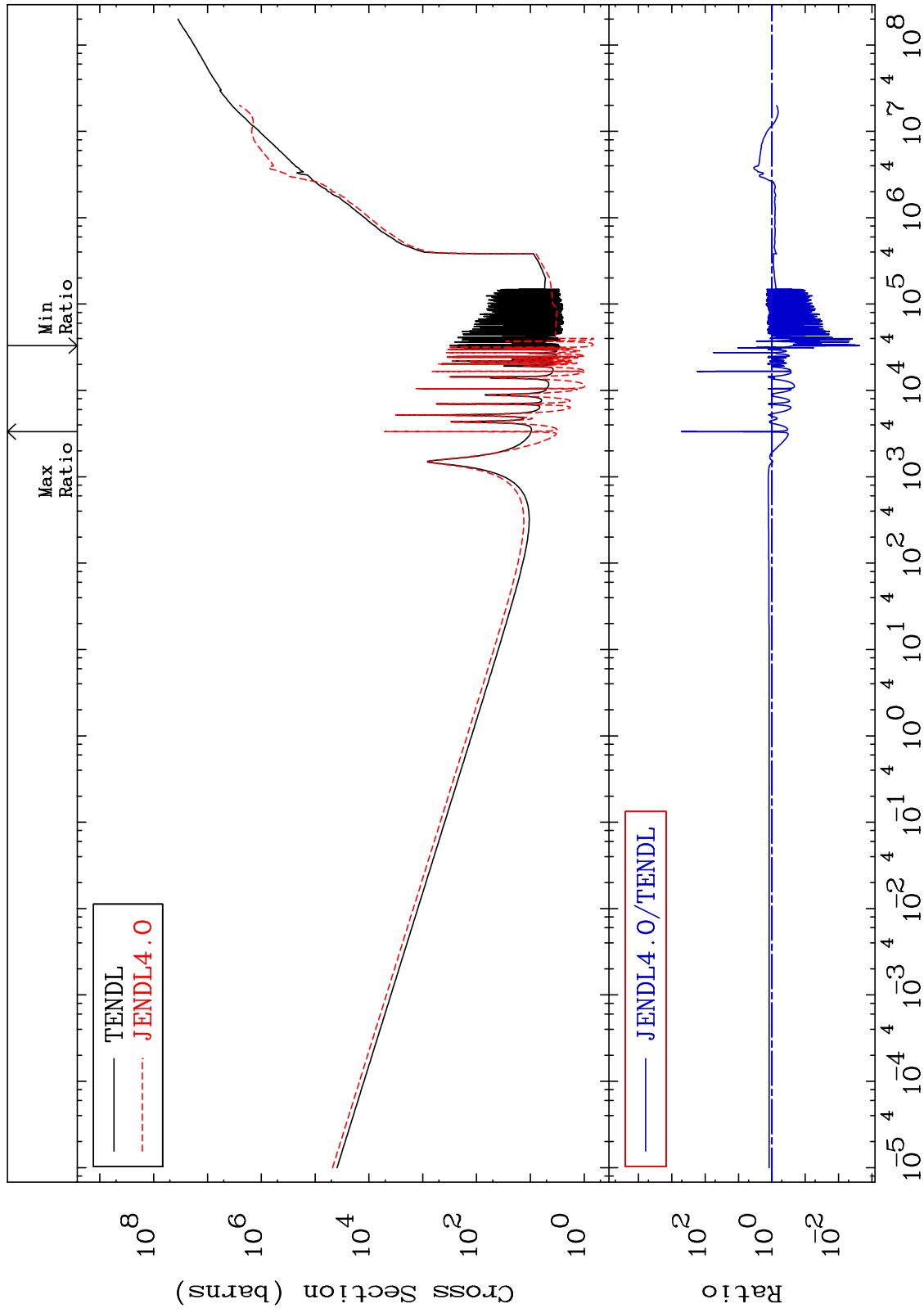
20-Ca-43  
-93.54 To 9999. %



MAT 2034

Kerma non-elastic (all but mt2)  
Cross Section

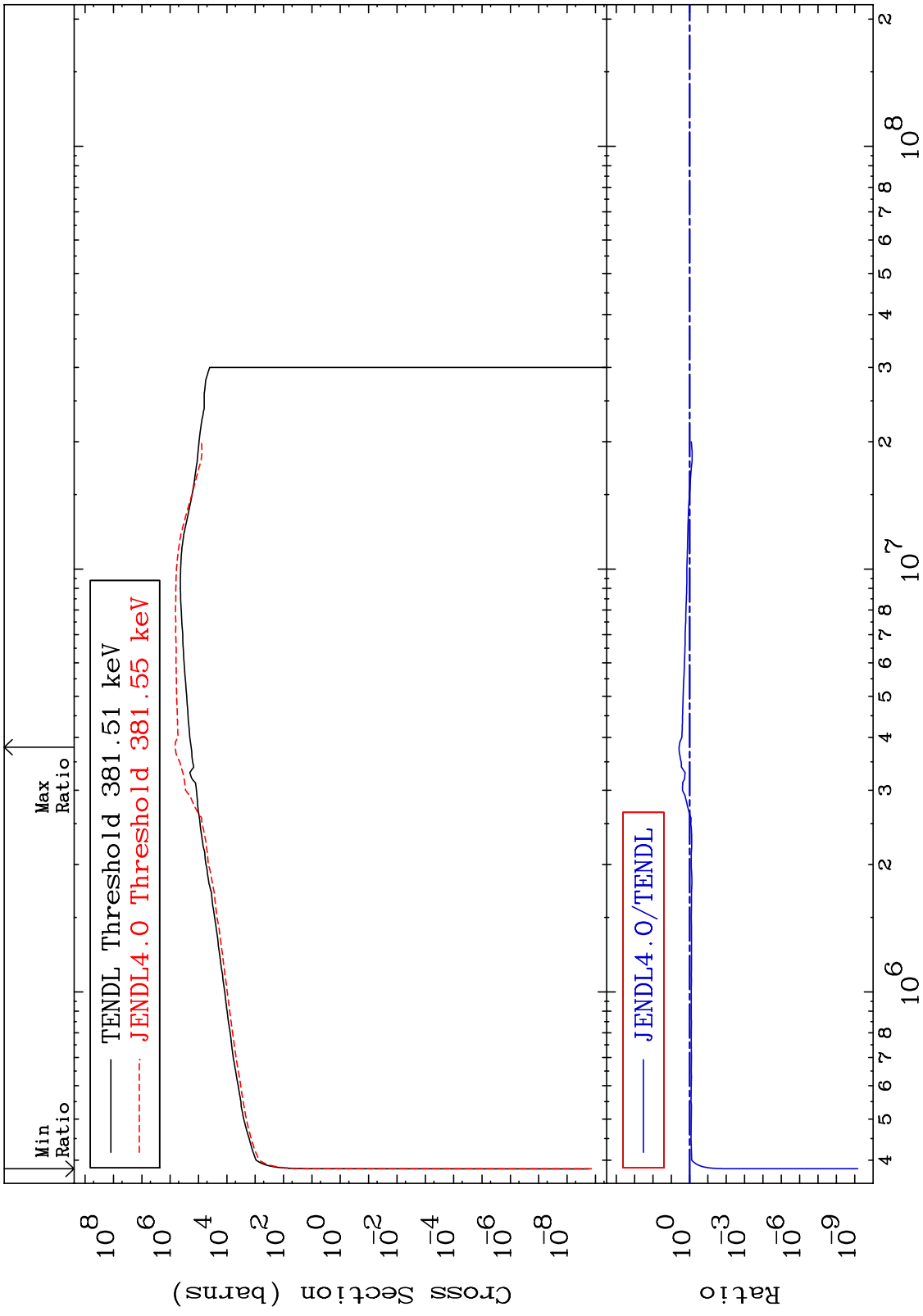
20-Ca-43  
-99.77 To 9999. %



45

Incident Energy (eV)

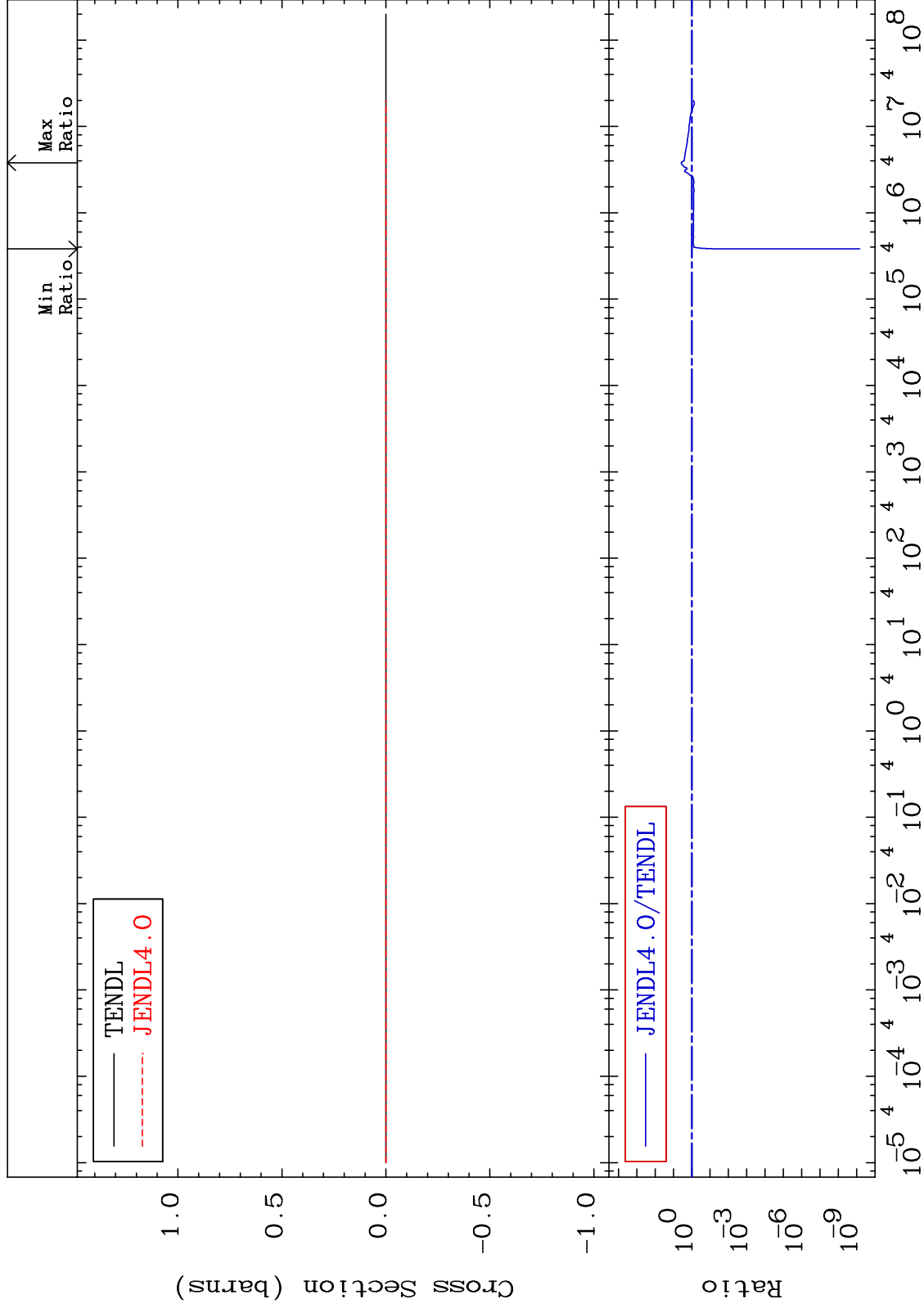
20-Ca-43



MAT 2034

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

20-Ca-43  
-100.0 To 275.3 %



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Incident Energy (eV)

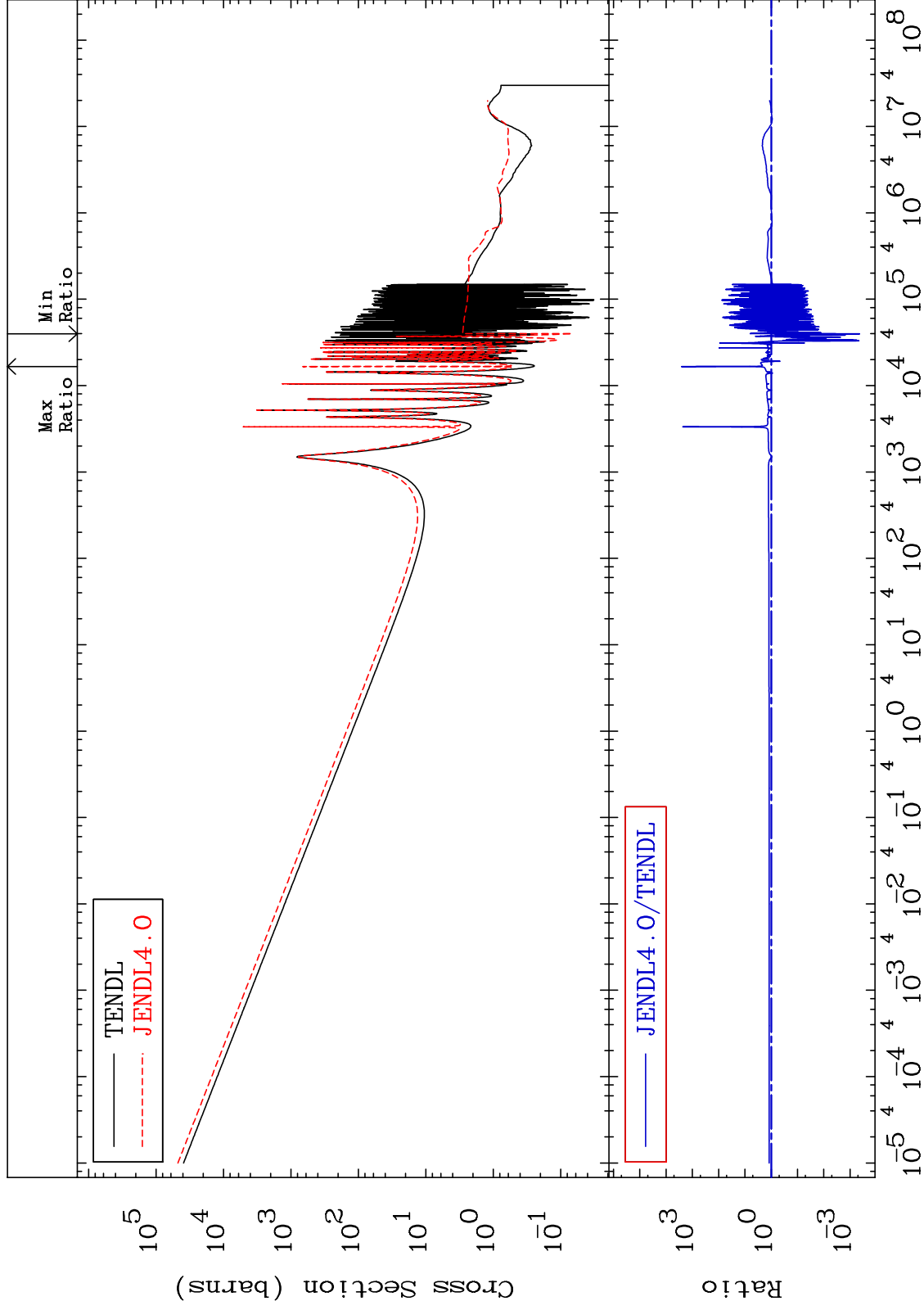
20-Ca-43



MAT 2034

Kerma capture (mt102)  
Cross Section

20-Ca-43  
-99.96 To 9999. %



48

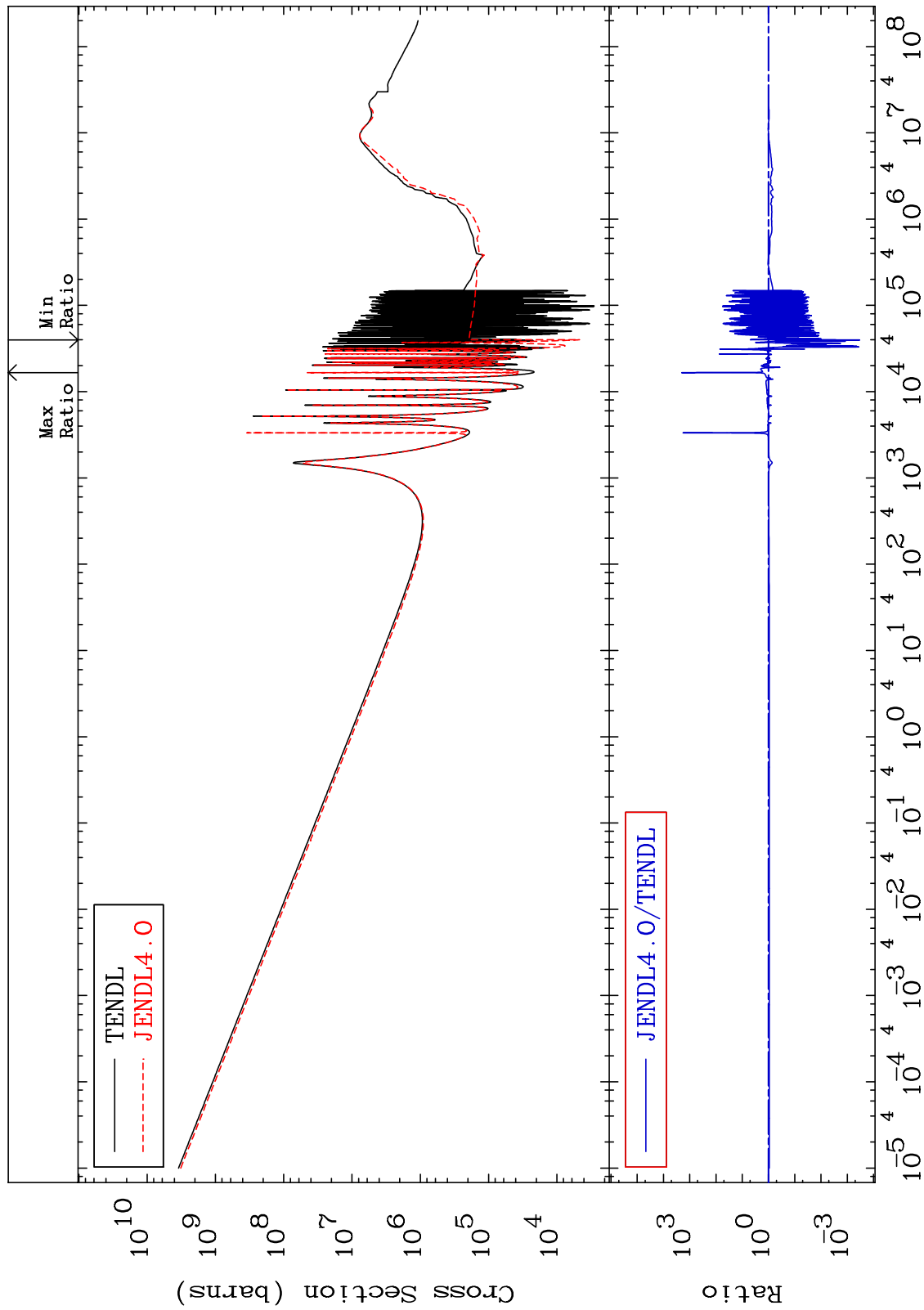
Incident Energy (eV)

20-Ca-43

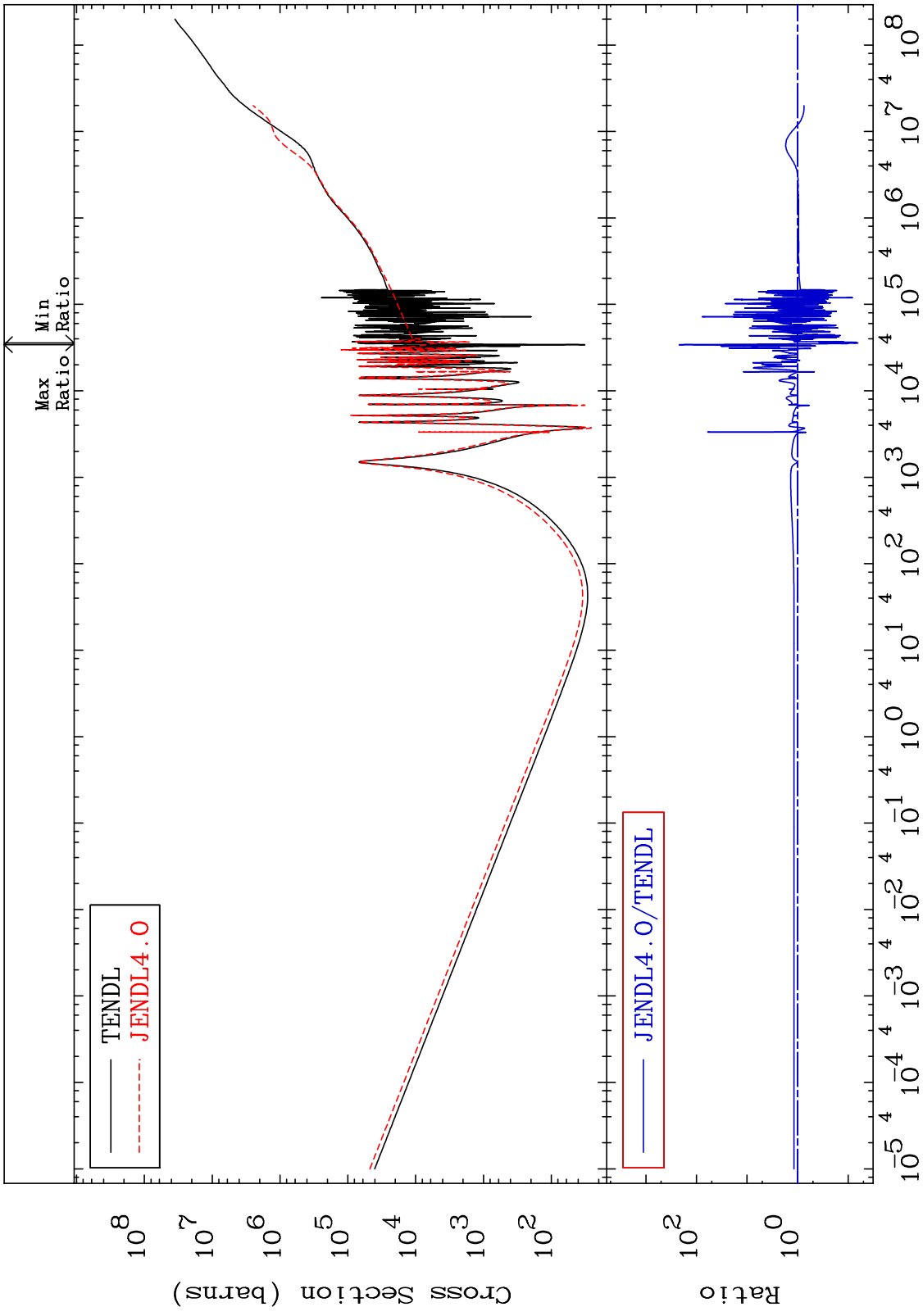
MAT 2034

Total photon (eV-barns)  
Cross Section

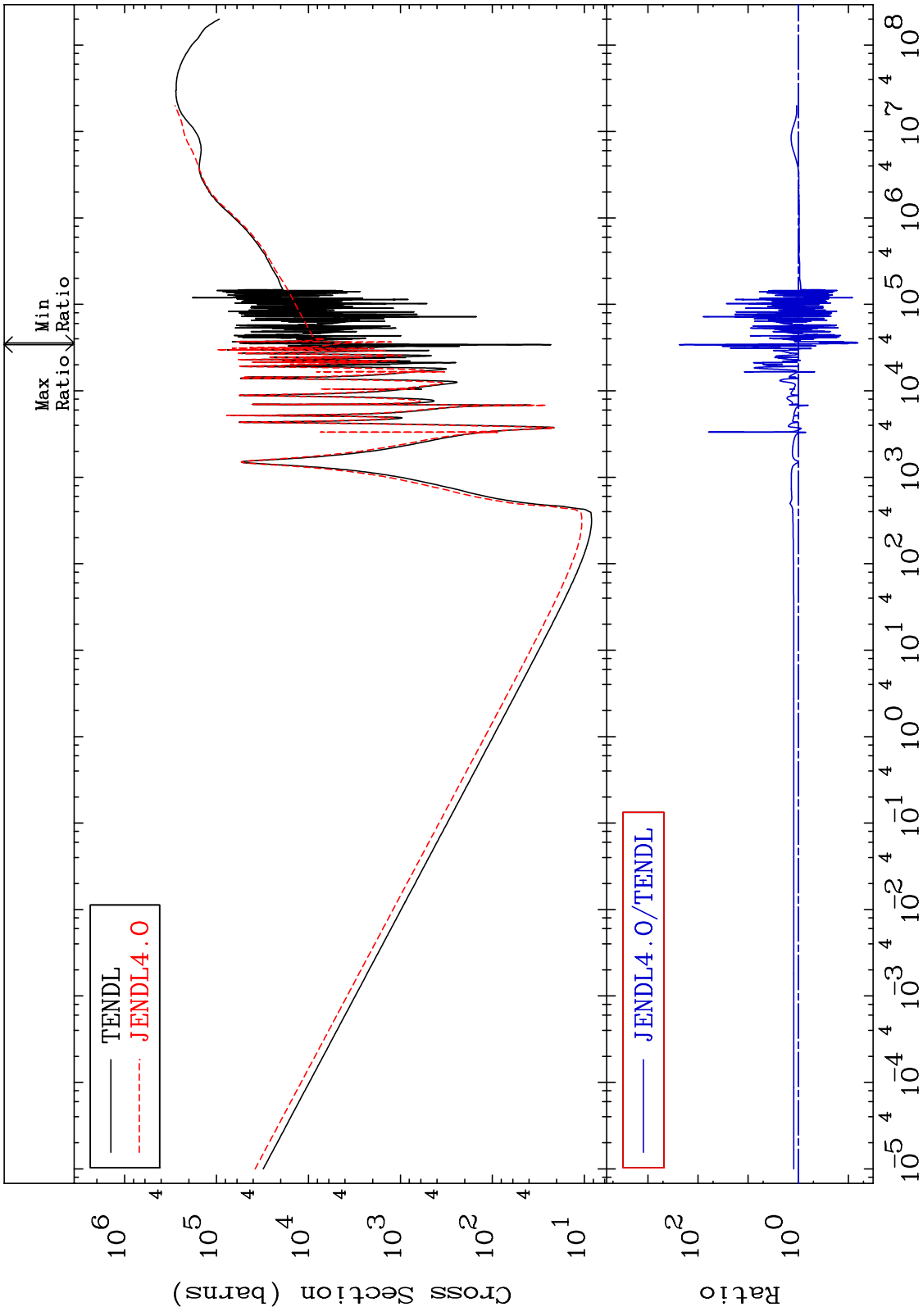
20-Ca-43  
-99.97 To 9999. %



MAT 2034 Total kinematic kerma (high limit) 20-Ca-43  
Cross Section -93.54 To 9999. %



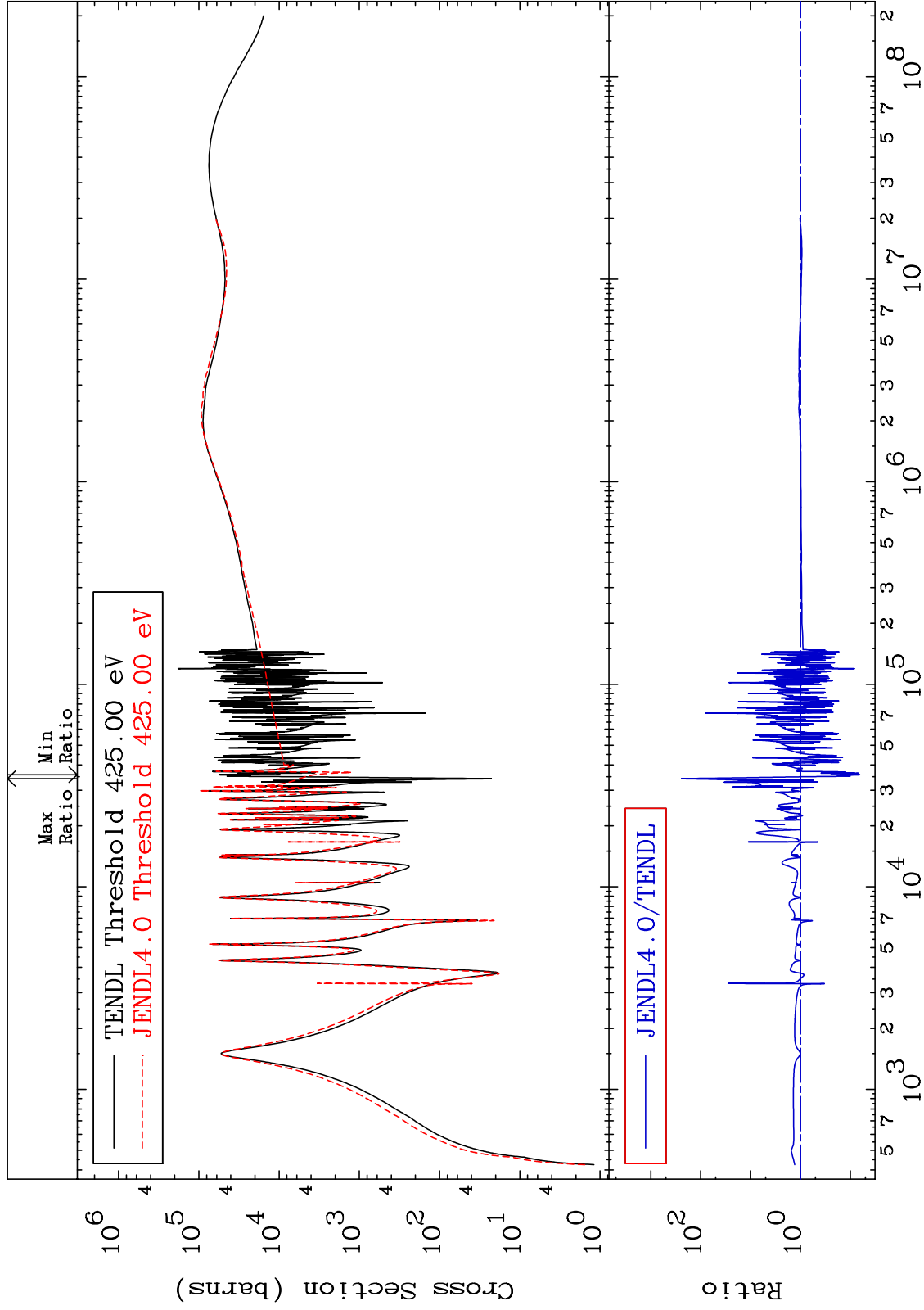
MAT 2034      Dpa total (eV-barns)      20-Ca-43  
 Cross Section      -93.54 To 9999. %



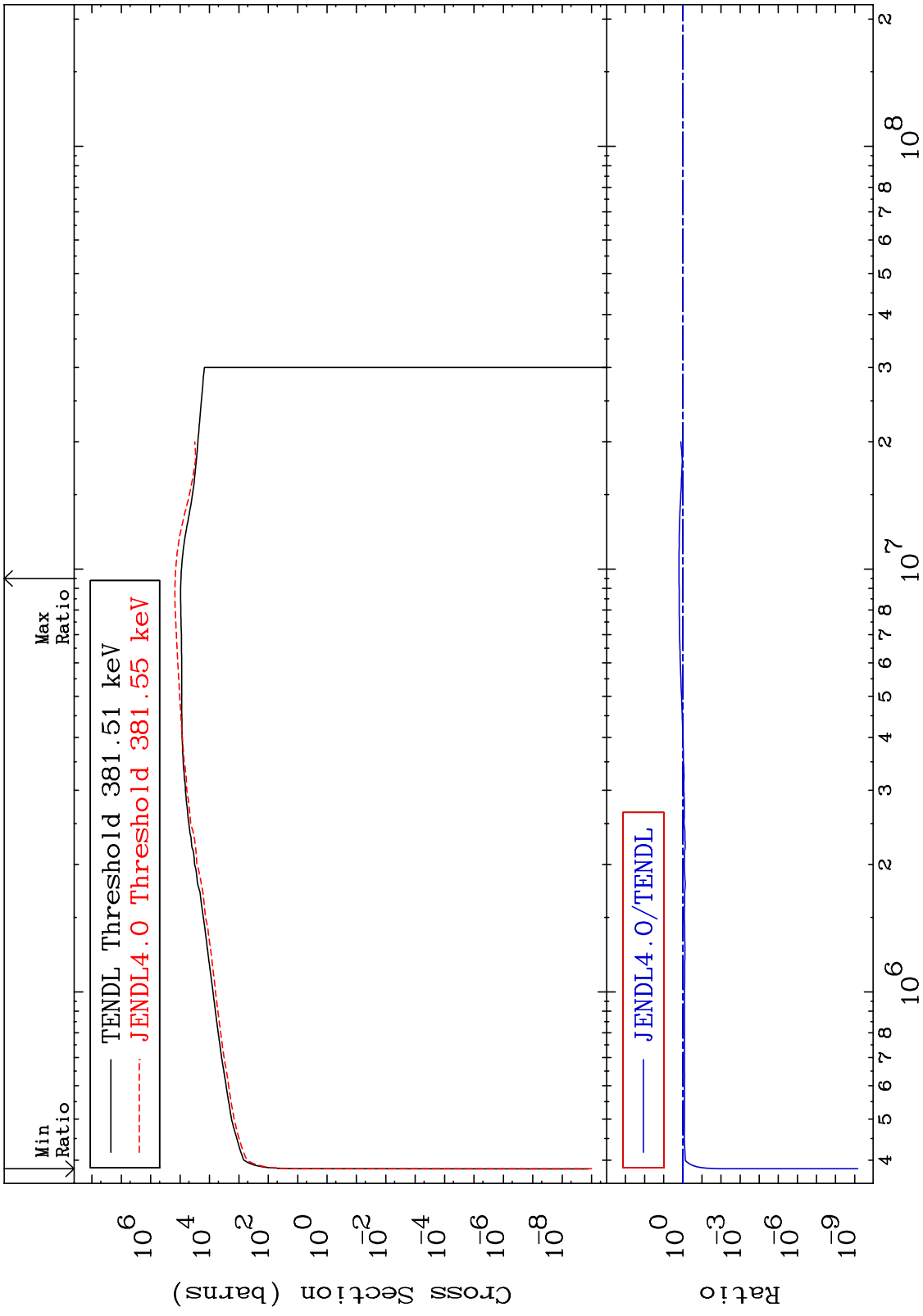
MAT 2034

Dpa elastic (mt2)  
Cross Section

20-Ca-43  
-93.54 To 9999. %



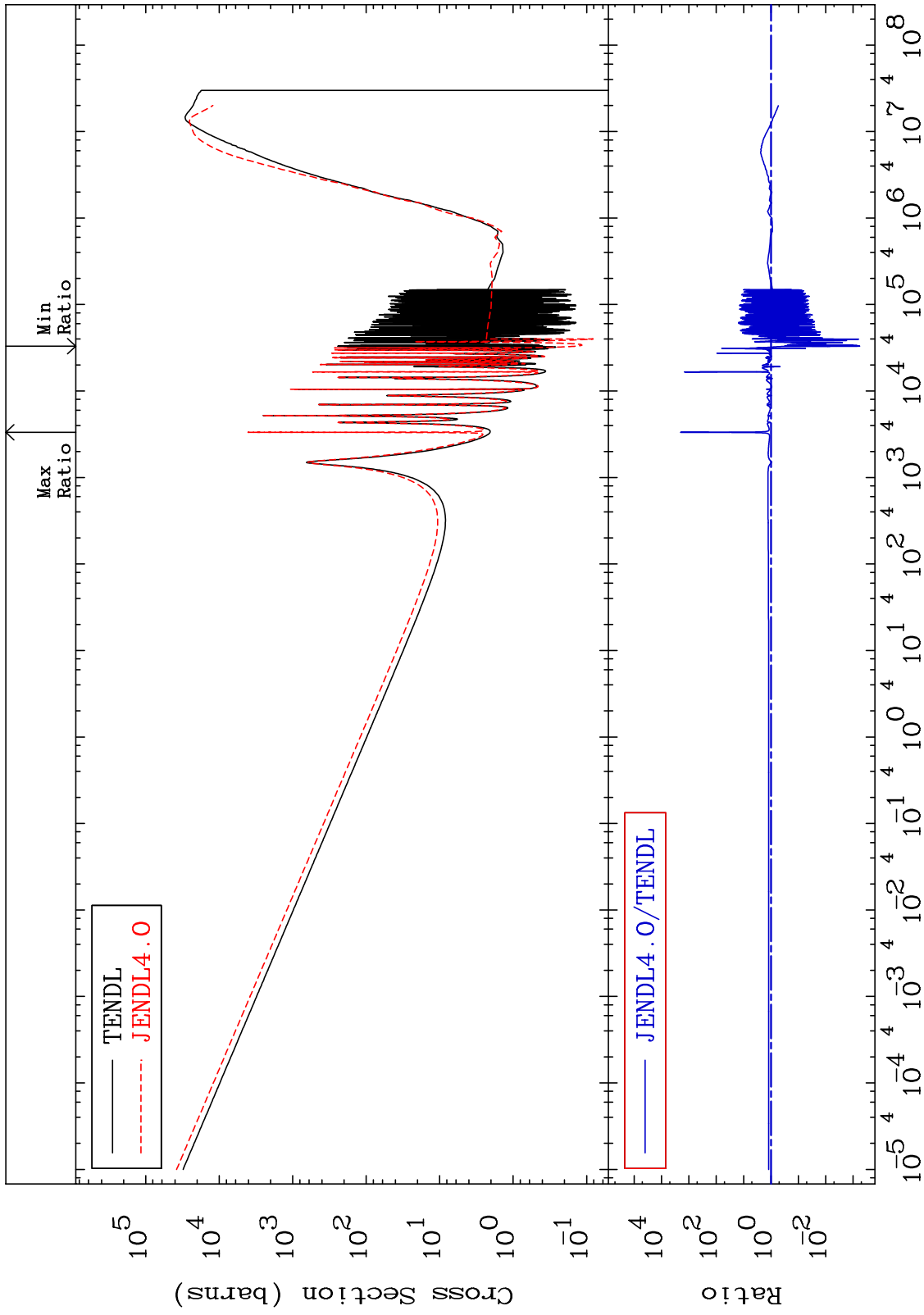
MAT 2034      Dpa inelastic (mt51-91)      20-Ca-43  
 Cross Section      -100.0 To 57.51 %

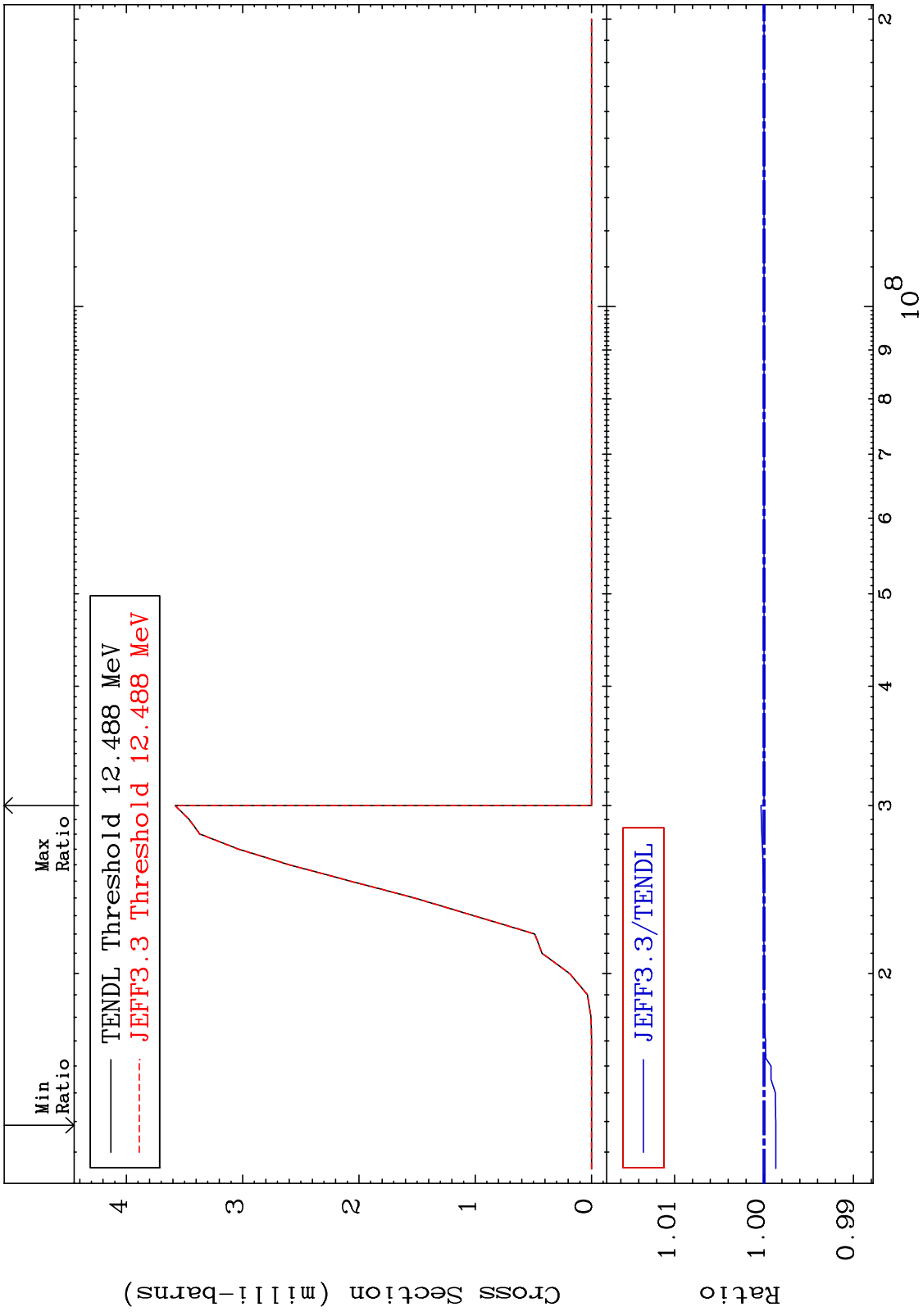


MAT 2034

Dpa disappearance (mt102 -120)  
Cross Section

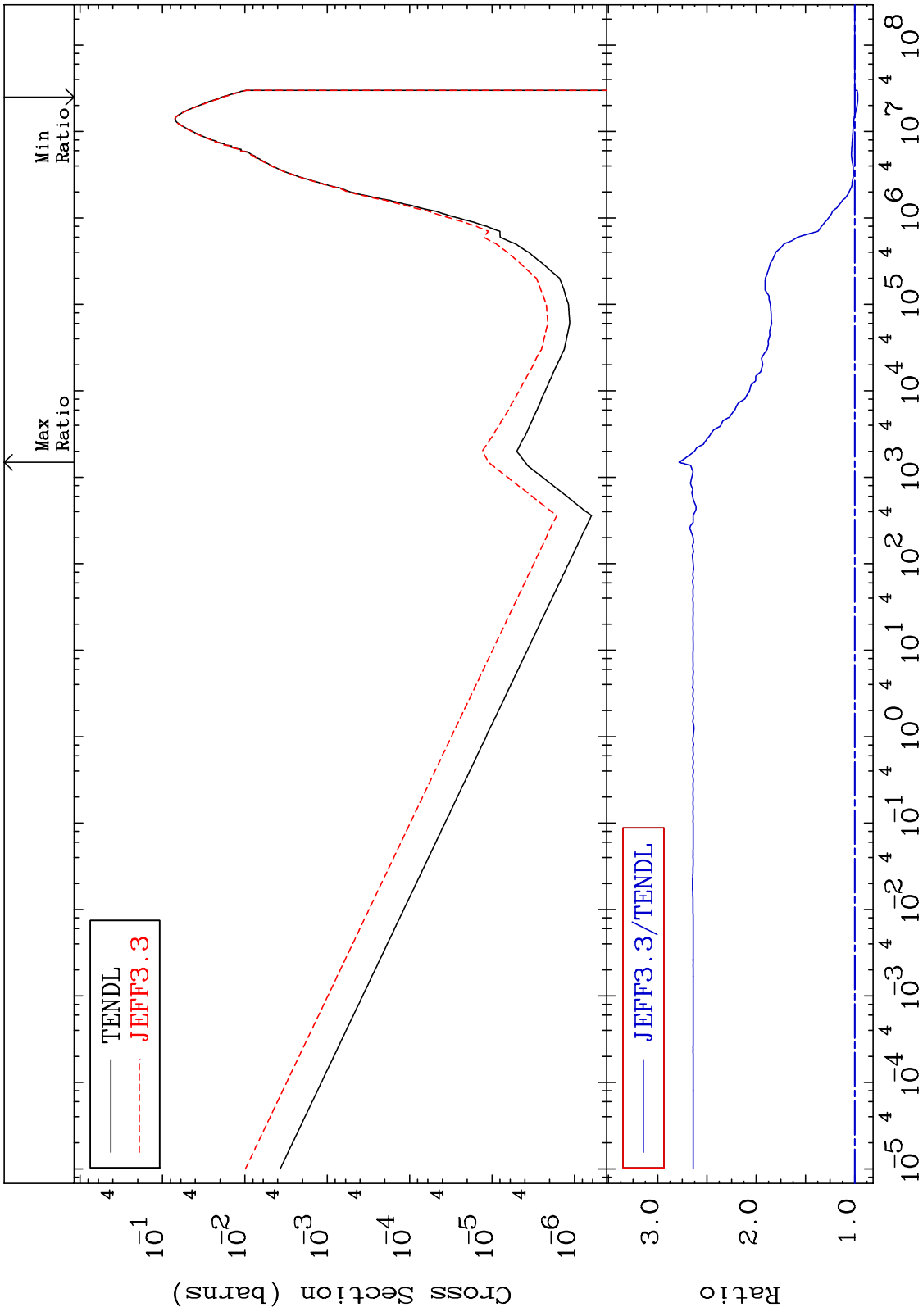
20-Ca-43  
-99.94 To 9999. %



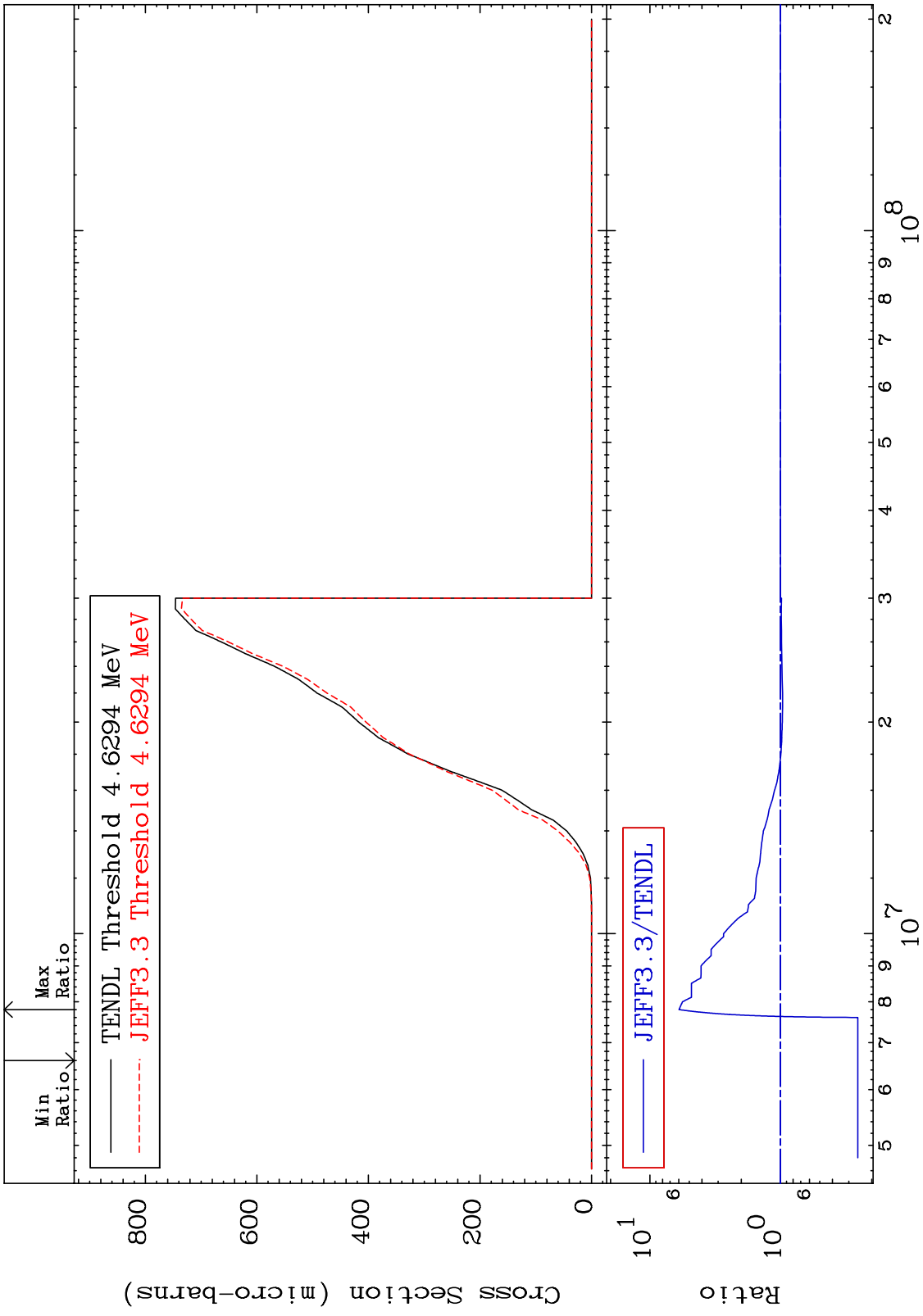




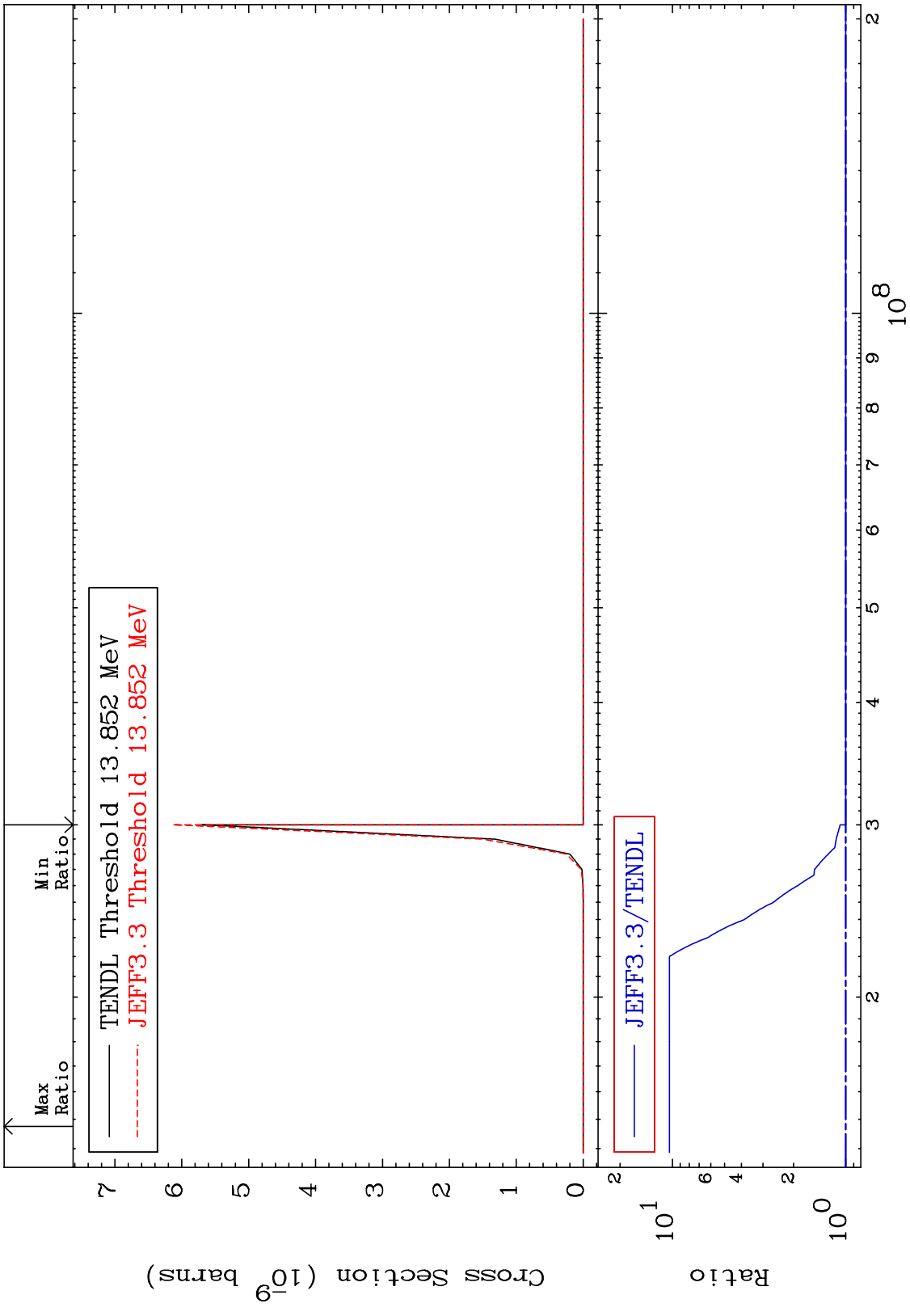
MAT 2034 (n,α) Cross Section 20-Ca-43 -3.147 To 178.4 %

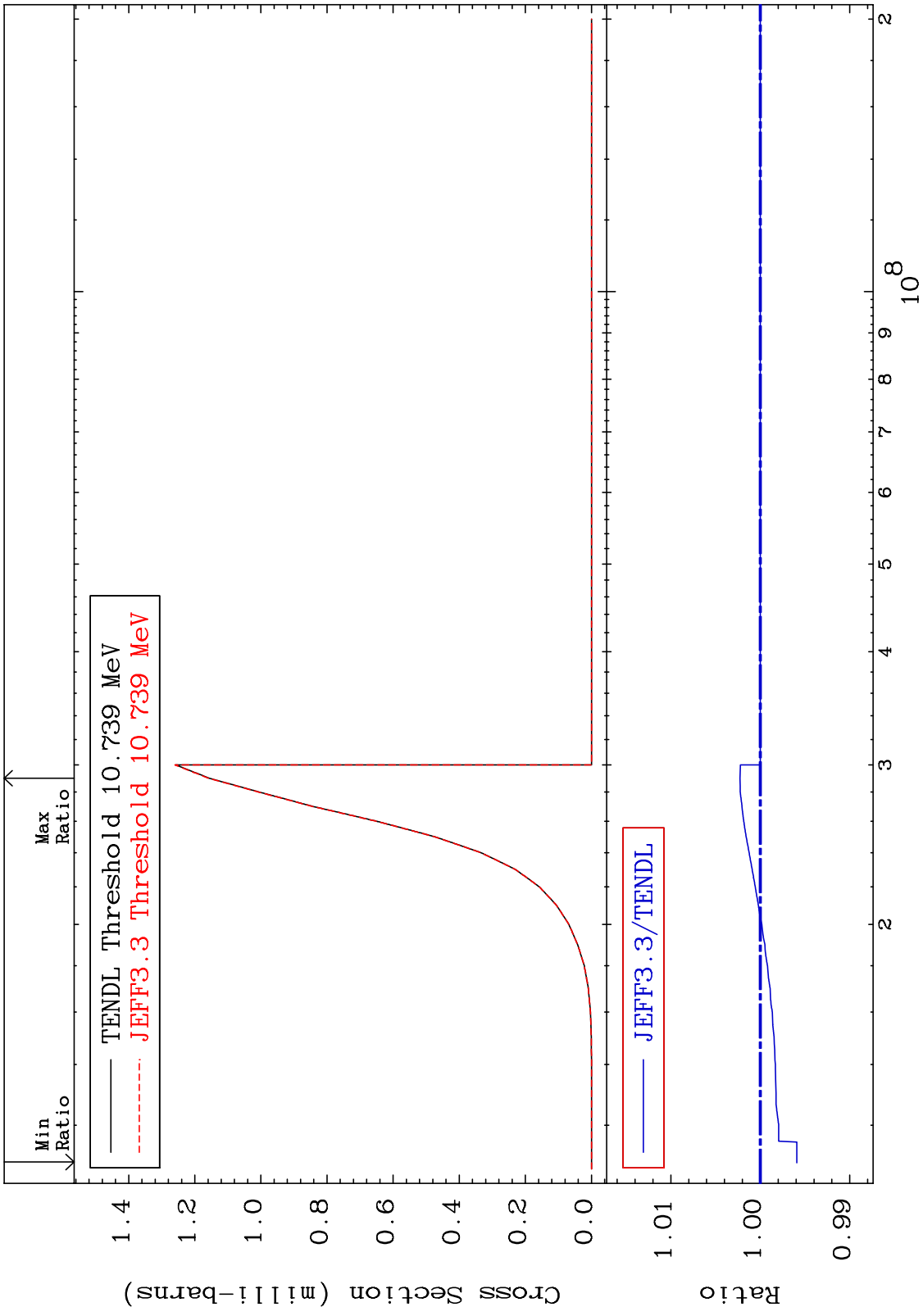


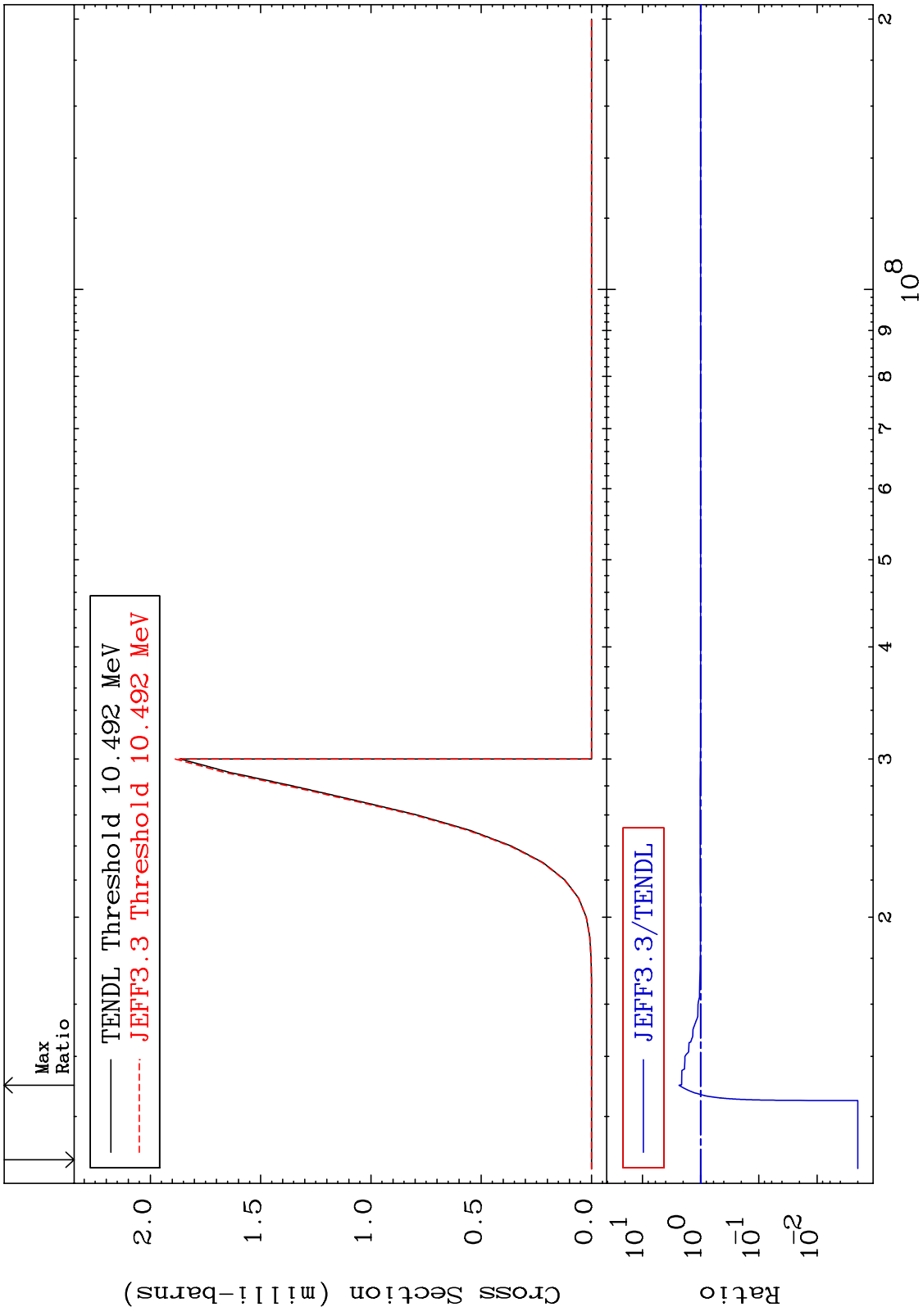
MAT 2034 (n,2α) 20-Ca-43  
 Cross Section -74.43 To 498.0 %



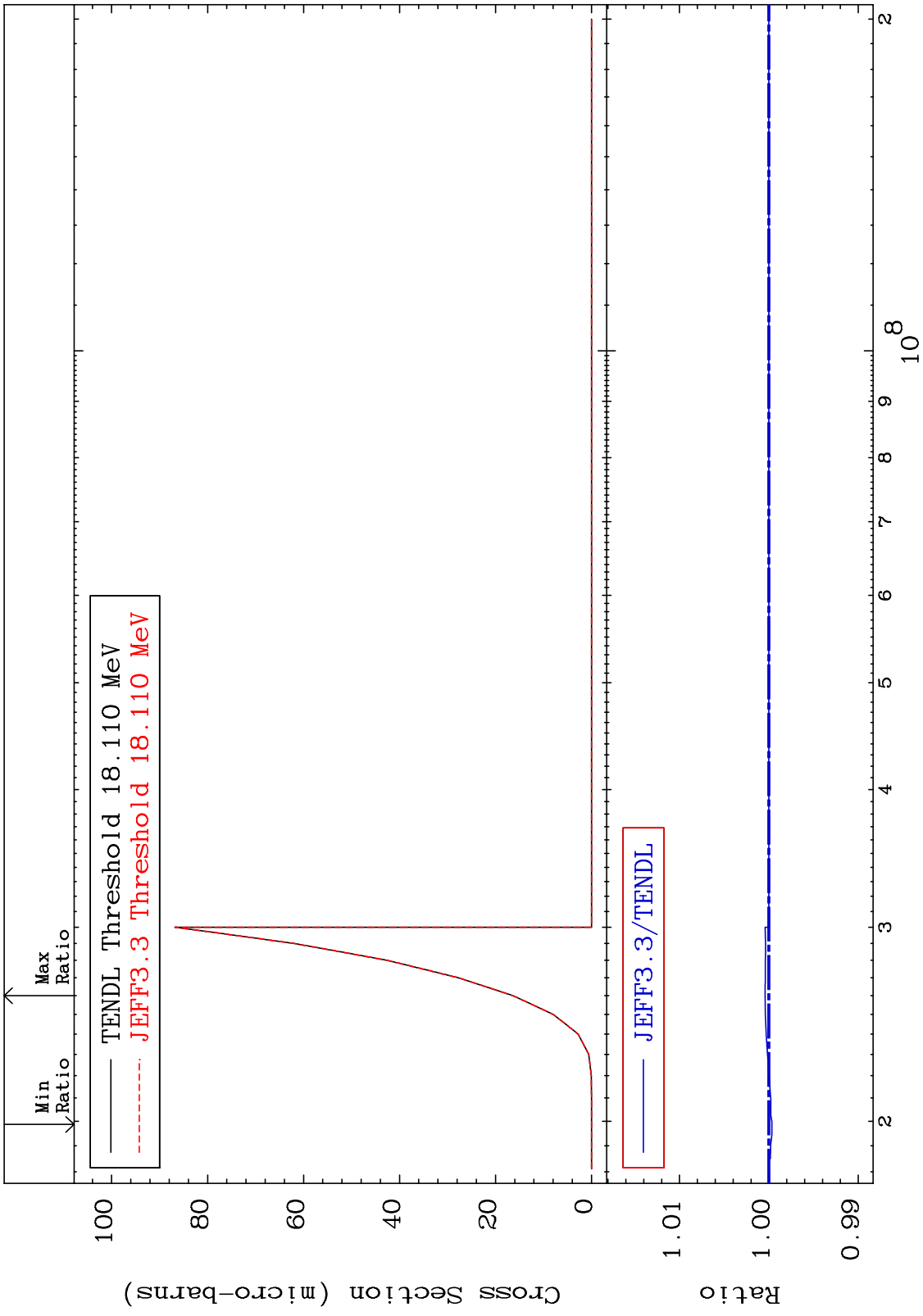
MAT 2034 (n,3α) Cross Section 20-Ca-43 To 938.9 %



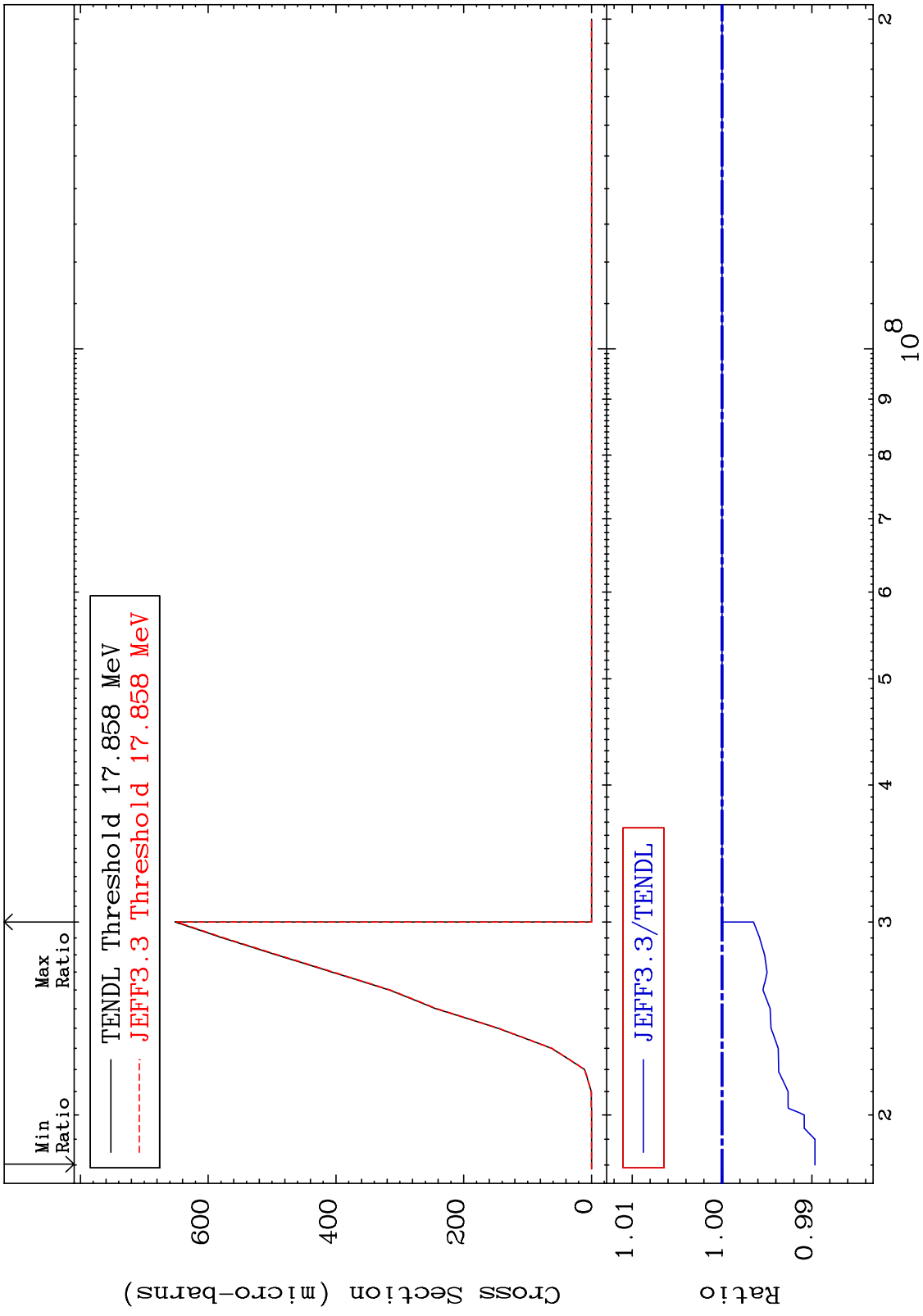




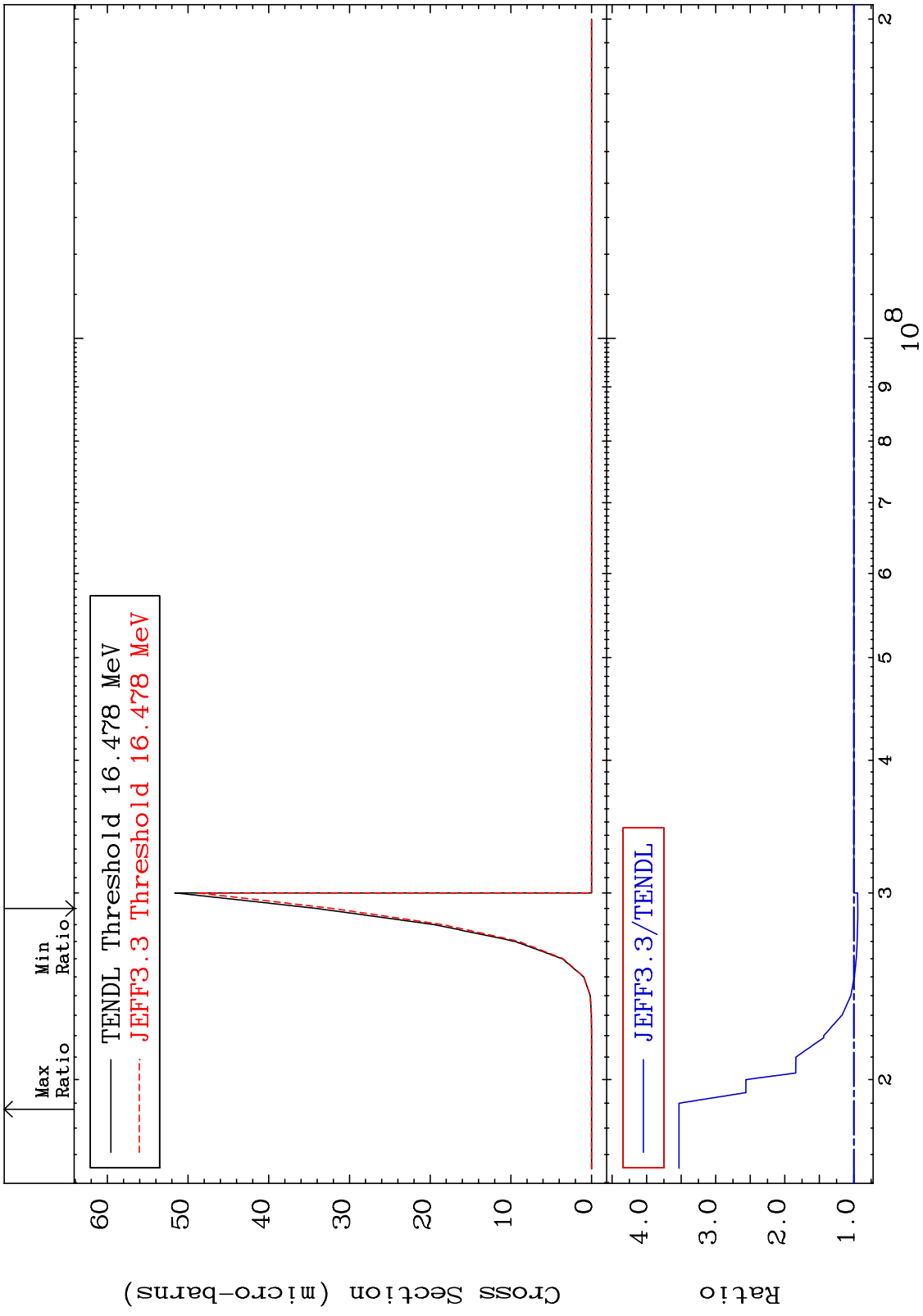
MAT 2034 (n,p) d 20-Ca-43  
 Cross Section -0.033 To 0.043 %



MAT 2034 (n,p) t 20-Ca-43  
 Cross Section -1.034 To 0.000 %



MAT 2034 (n,d)  $\alpha$  20-Ca-43  
 Cross Section -5.833 To 253.0 %

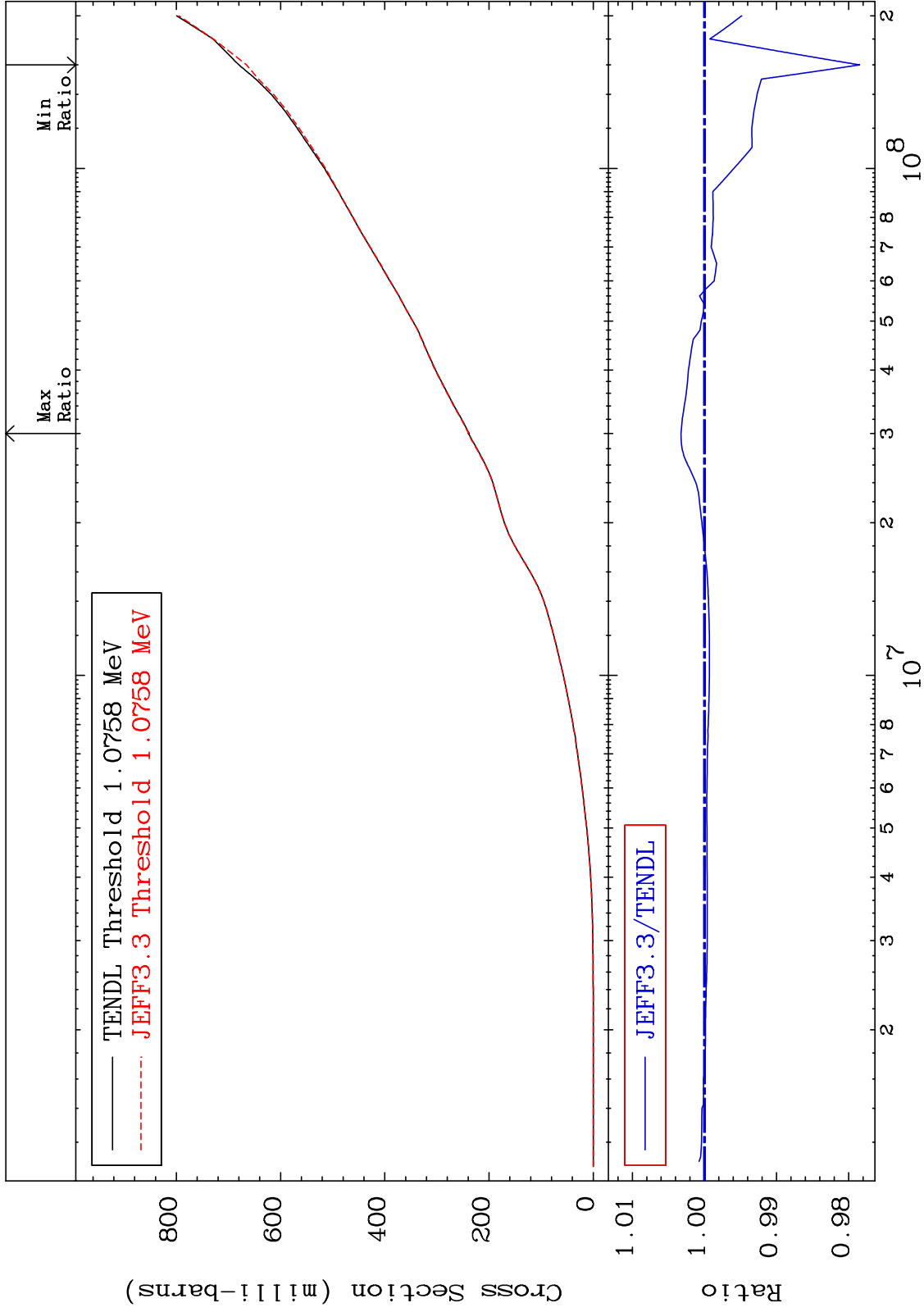




MAT 2034

Hydrogen Production  
Cross Section

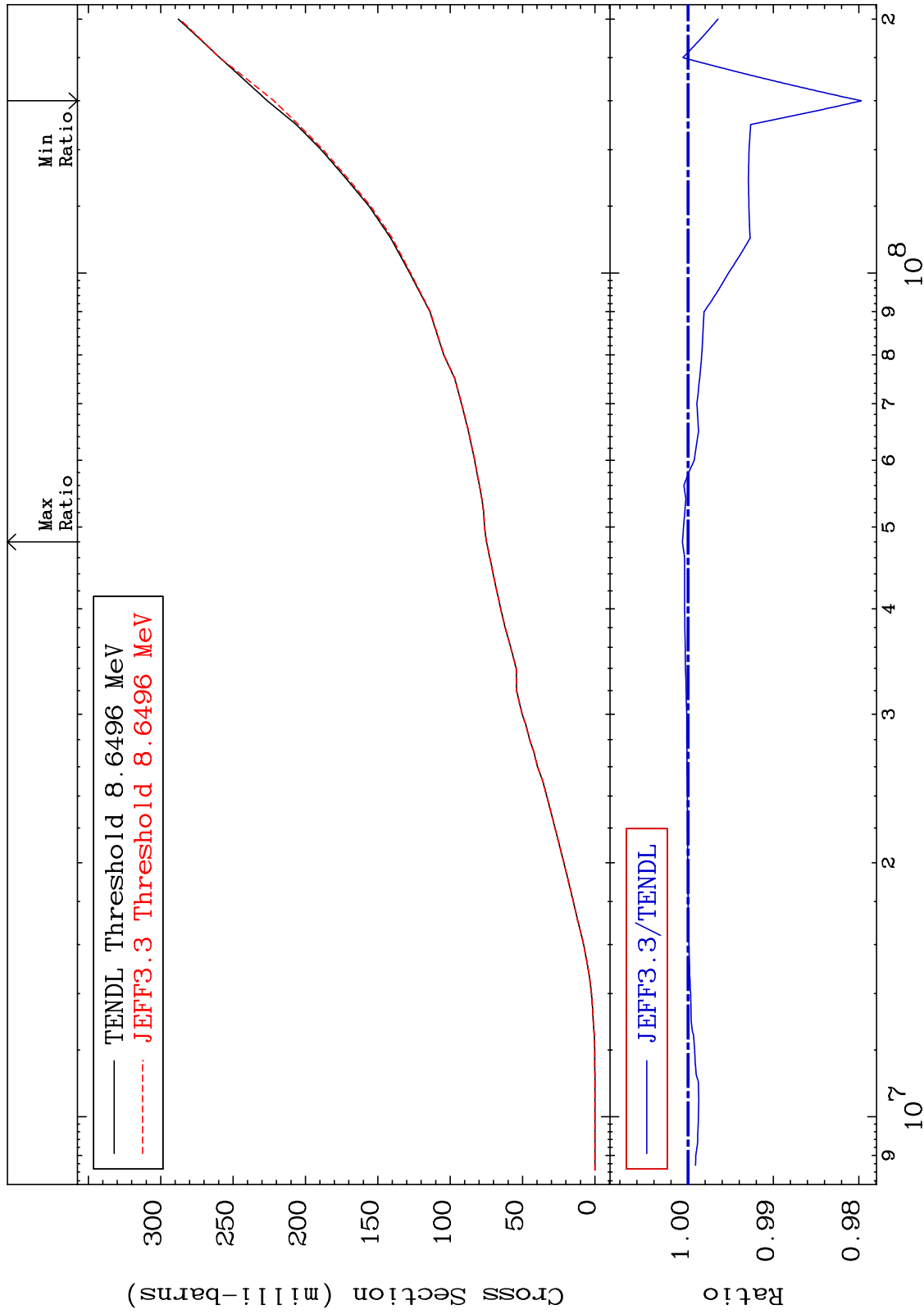
20-Ca-43  
-2.152 To 0.328 %



MAT 2034

Deuterium Production  
Cross Section

20-Ca-43  
-2.030 To 0.066 %



65

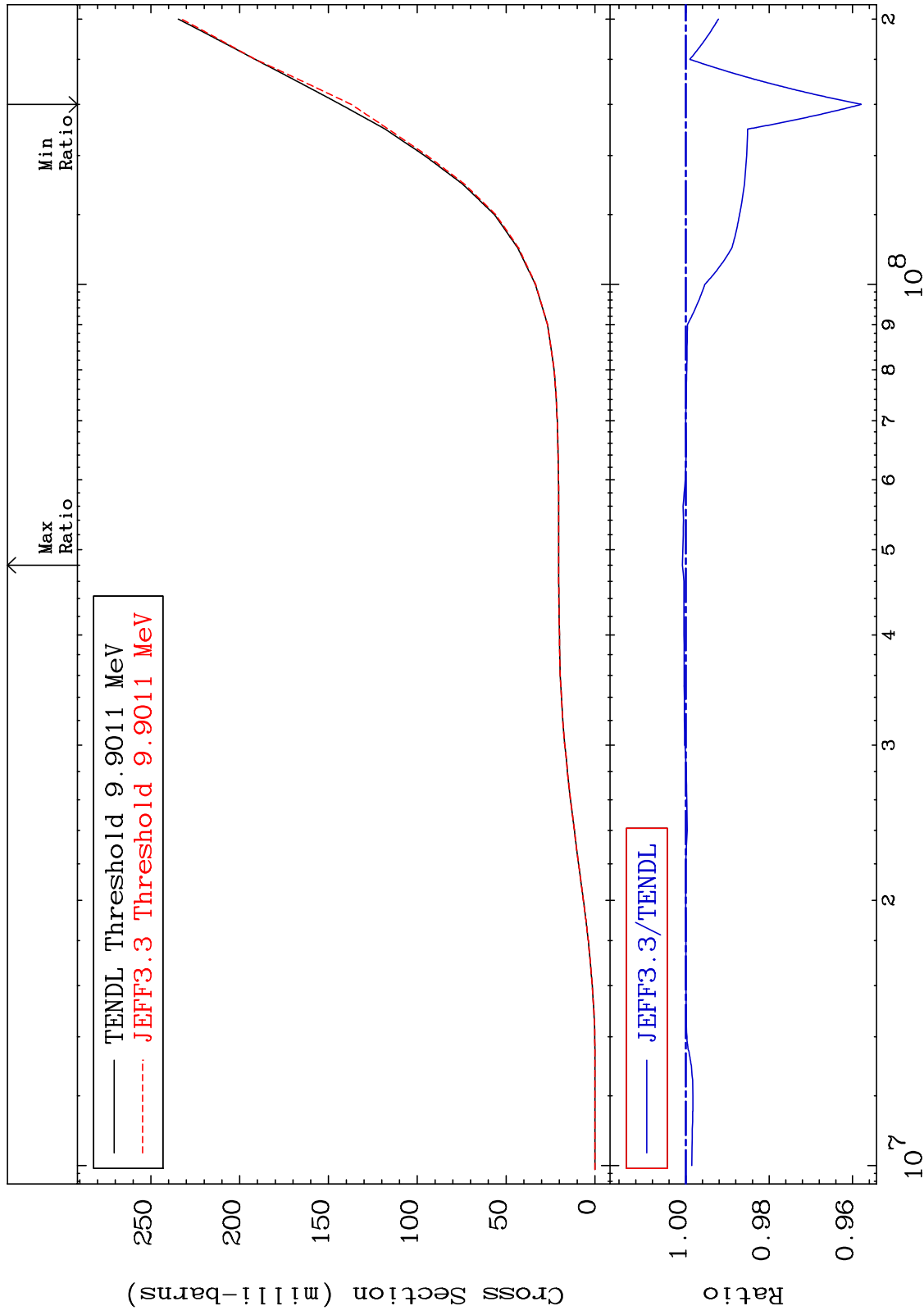
Incident Energy (eV)

20-Ca-43

MAT 2034

Tritium Production  
Cross Section

20-Ca-43  
-4.210 To 0.080 %



66

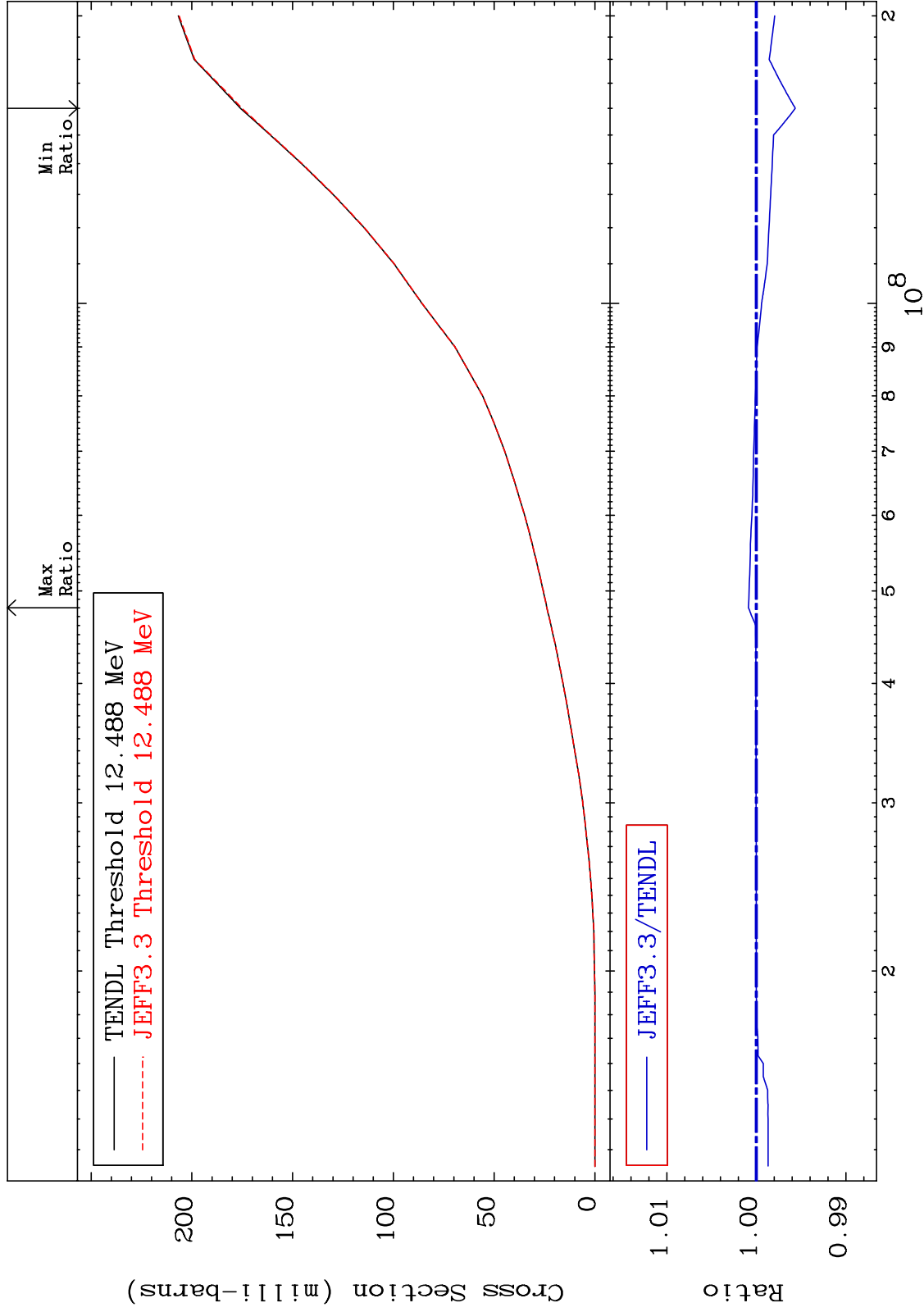
Incident Energy (eV)

20-Ca-43

MAT 2034

He-3 Production  
Cross Section

20-Ca-43  
-0.434 To 0.088 %



67

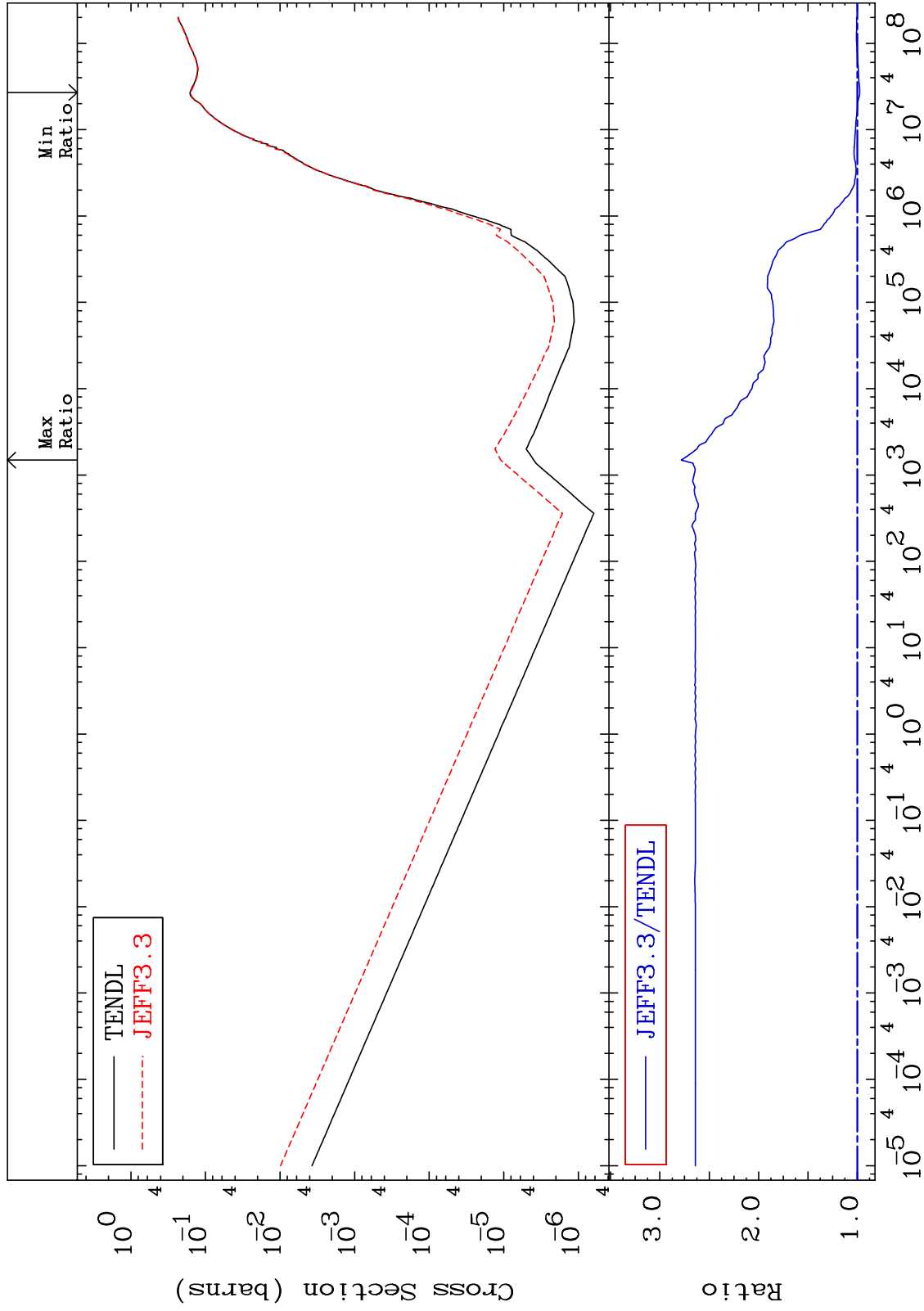
Incident Energy (eV)

20-Ca-43

MAT 2034

He-4 Production  
Cross Section

20-Ca-43  
-2.522 To 178.4 %



68

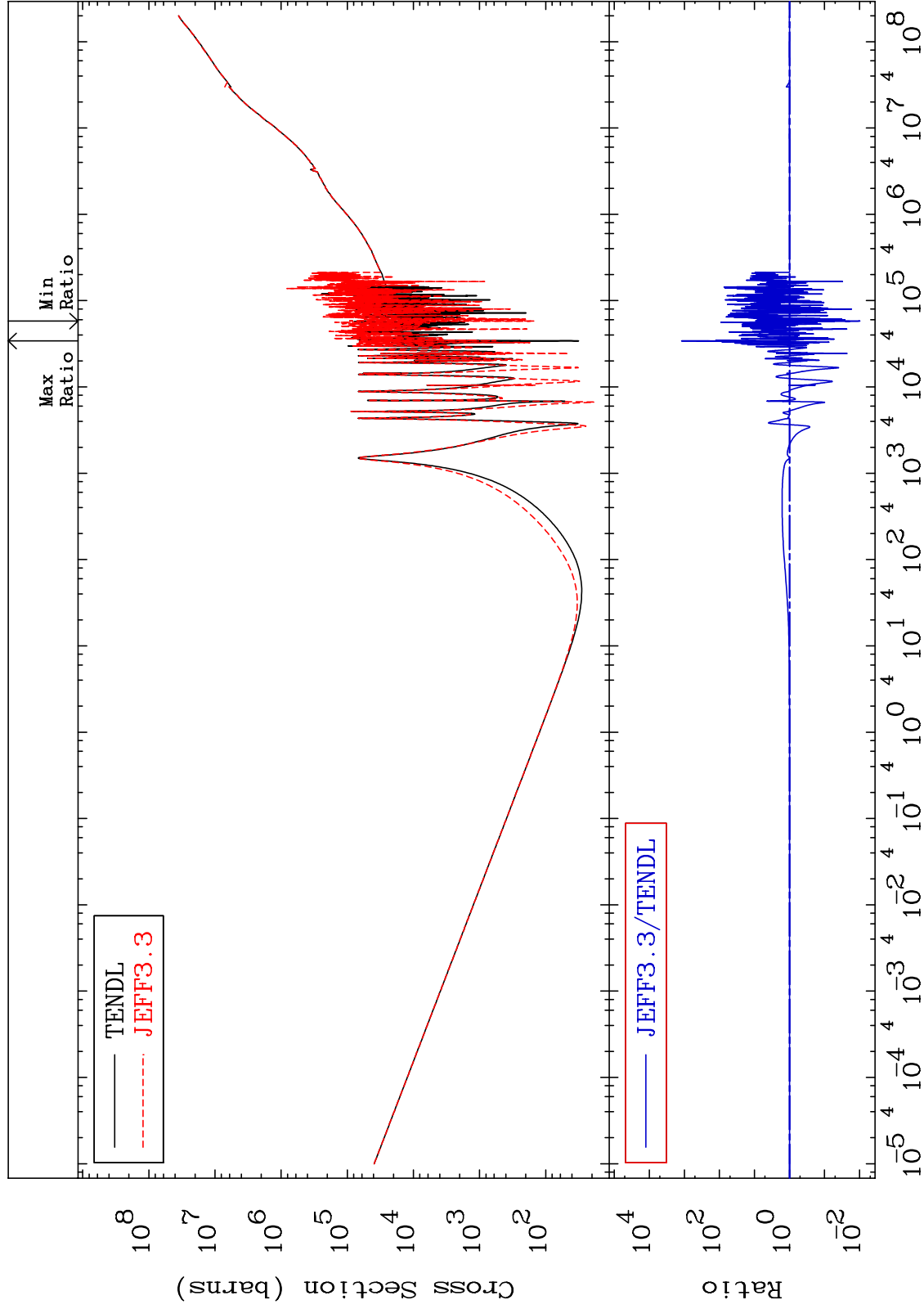
Incident Energy (eV)

20-Ca-43

MAT 2034

Kerma total (eV-barns)  
Cross Section

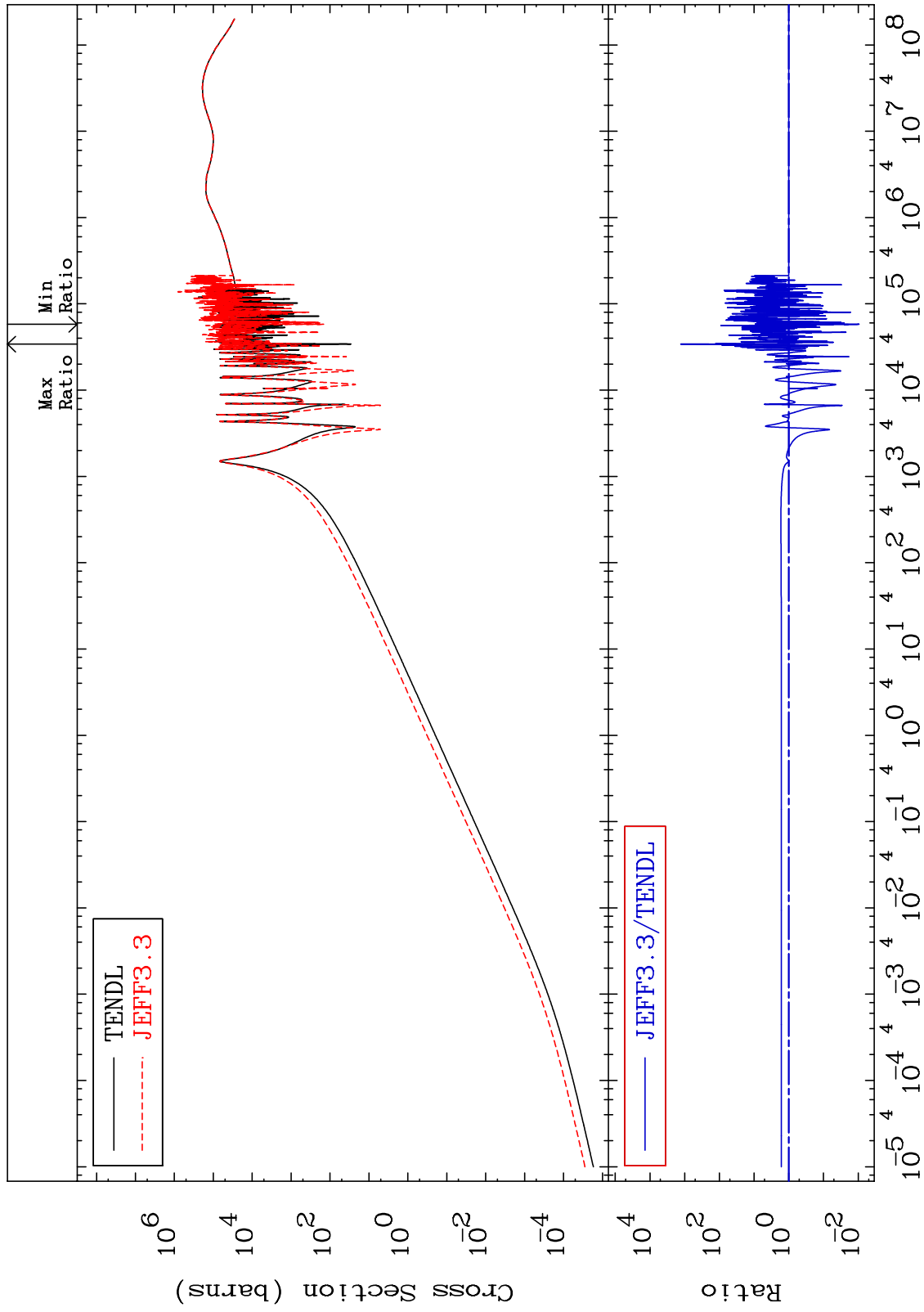
20-Ca-43  
-99.01 To 9999. %



MAT 2034

Kerma elastic  
Cross Section

20-Ca-43  
-99.05 To 9999. %

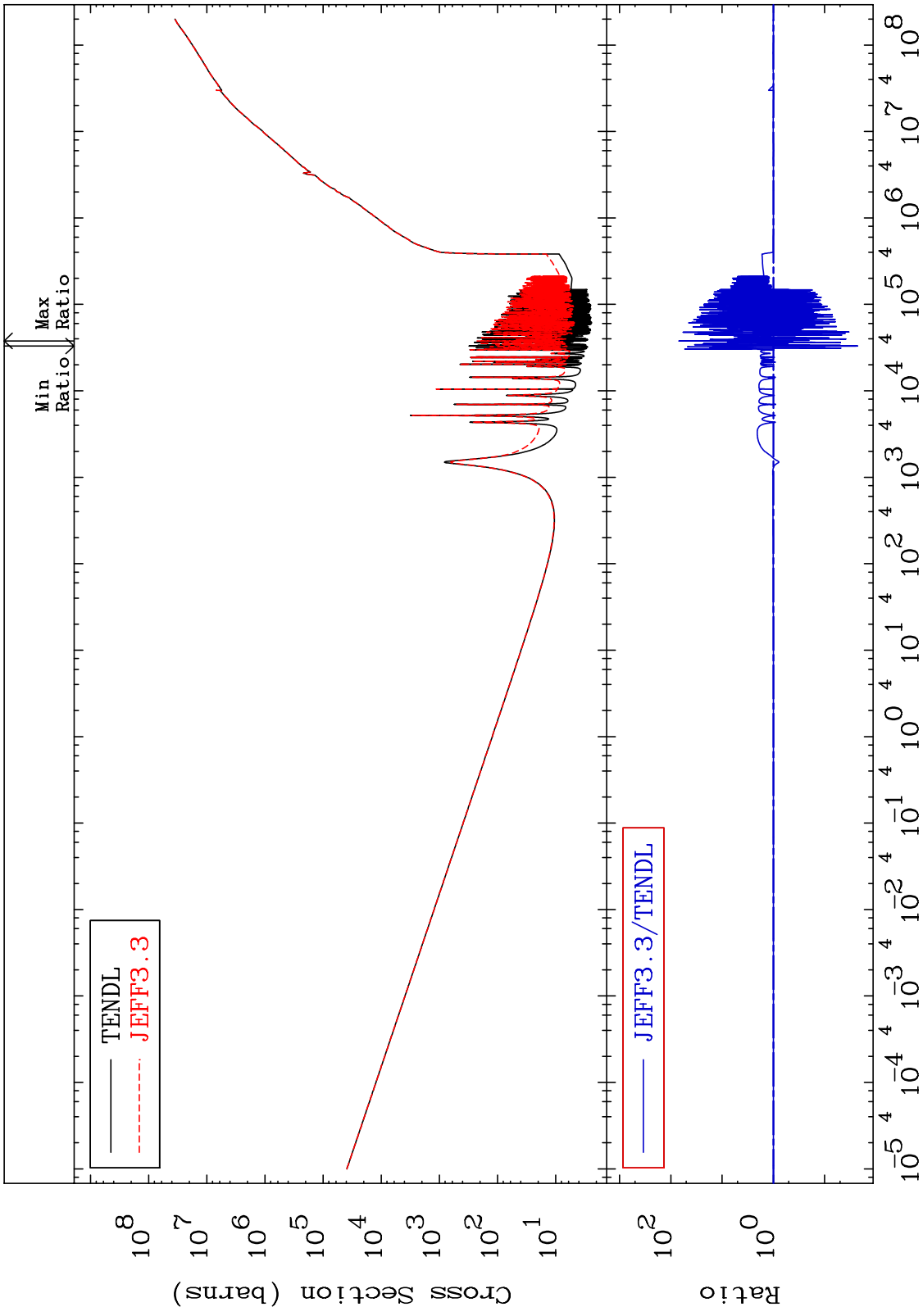


70

Incident Energy (eV)

20-Ca-43

MAT 2034 Kerma non-elastic (all but mt2) 20-Ca-43  
 Cross Section -97.76 To 6821. %

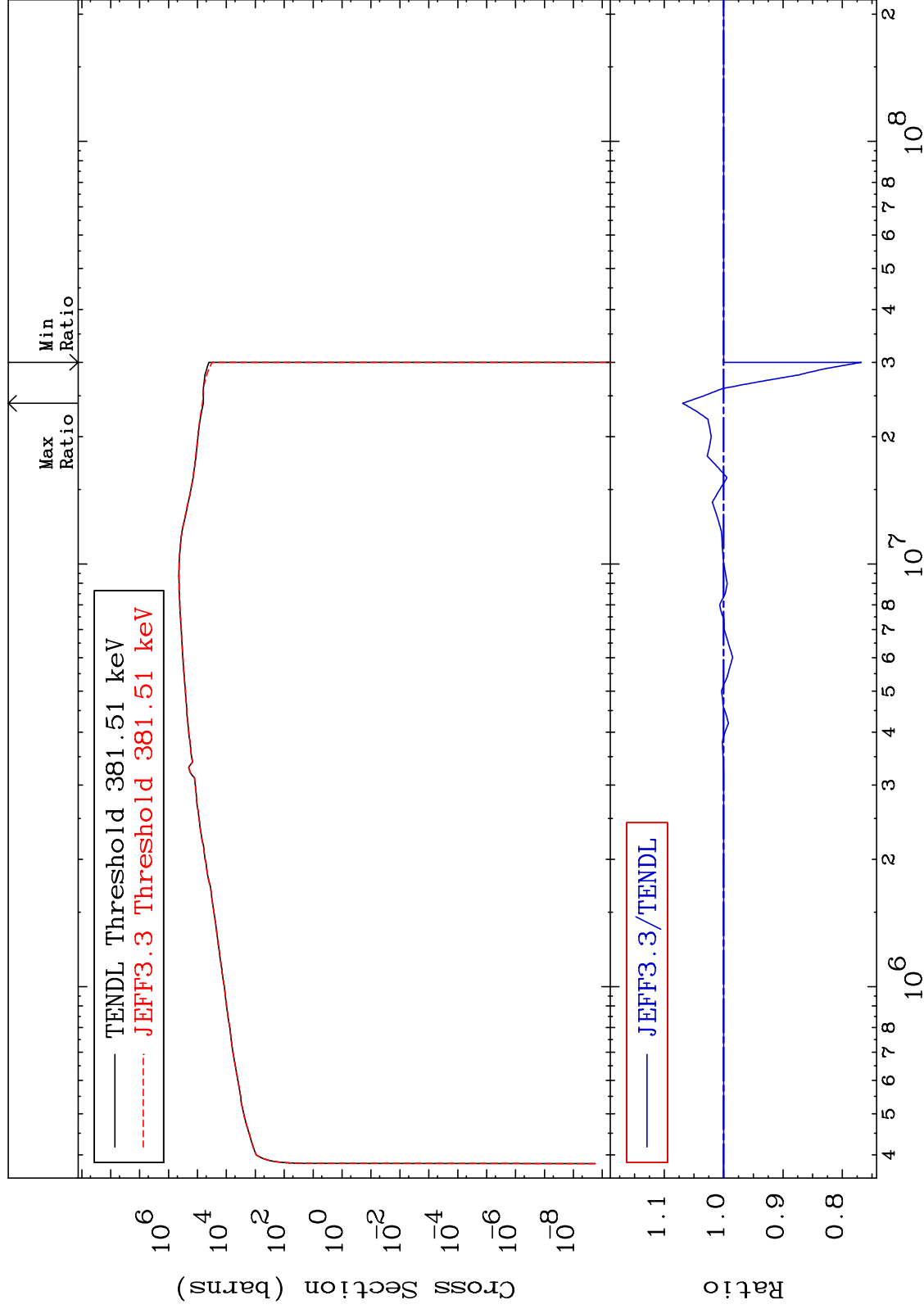




MAT 2034

Kerma inelastic (mt51-91)  
Cross Section

20-Ca-43  
-23.20 To 6.893 %



72

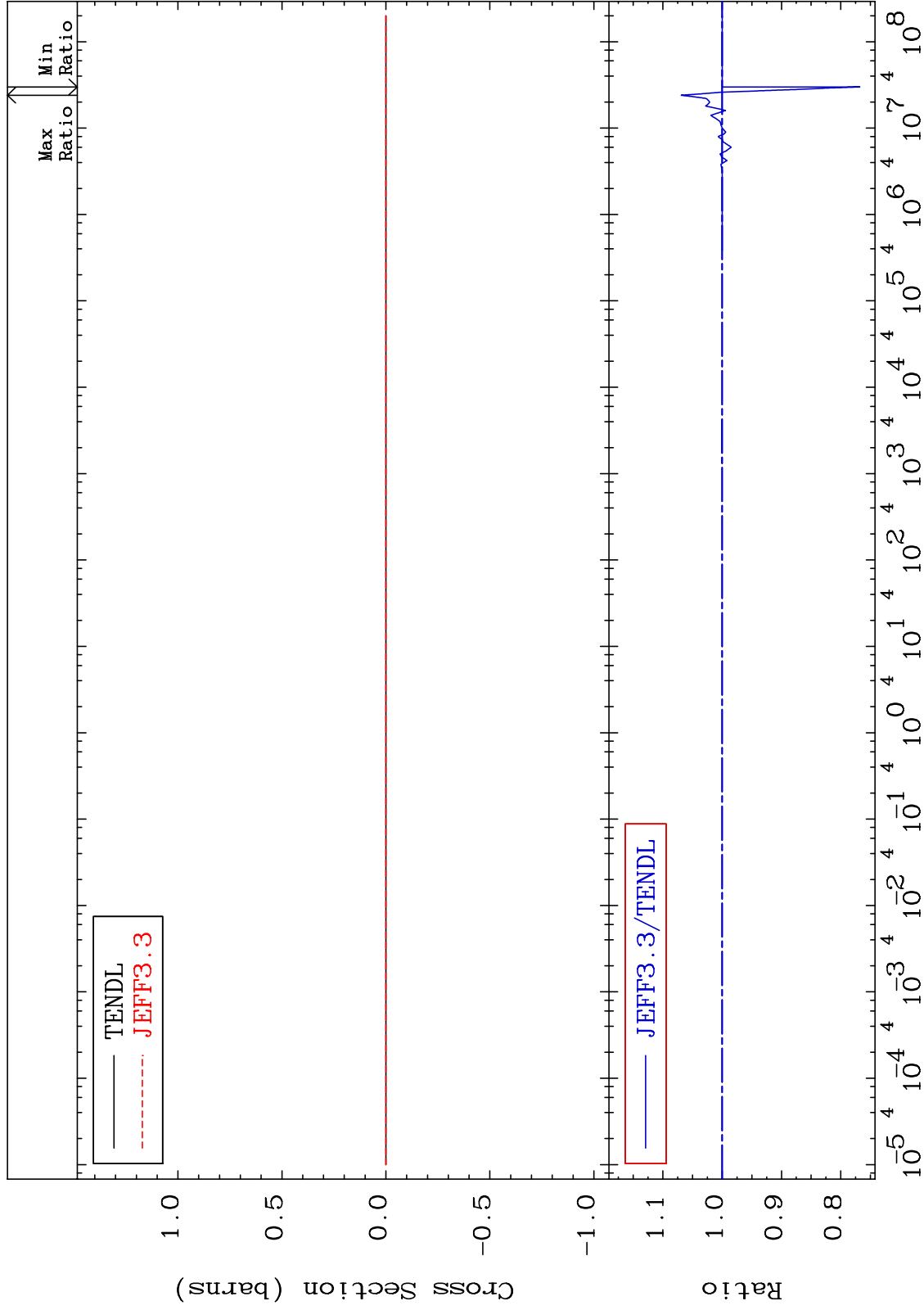
Incident Energy (eV)

20-Ca-43

MAT 2034

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

20-Ca-43  
-23.20 To 6.893 %



73

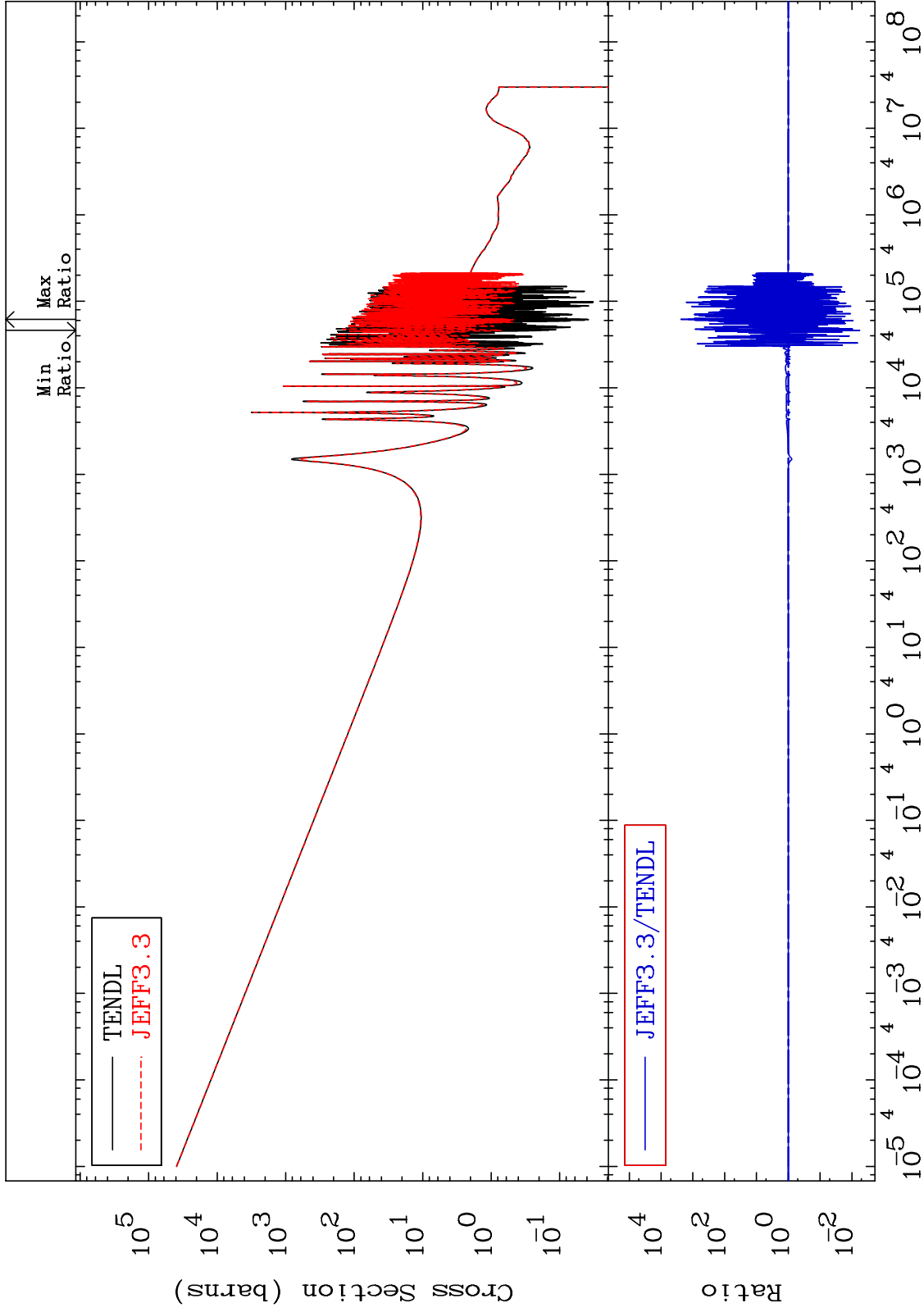
Incident Energy (eV)

20-Ca-43

MAT 2034

Kerma capture (mt102)  
Cross Section

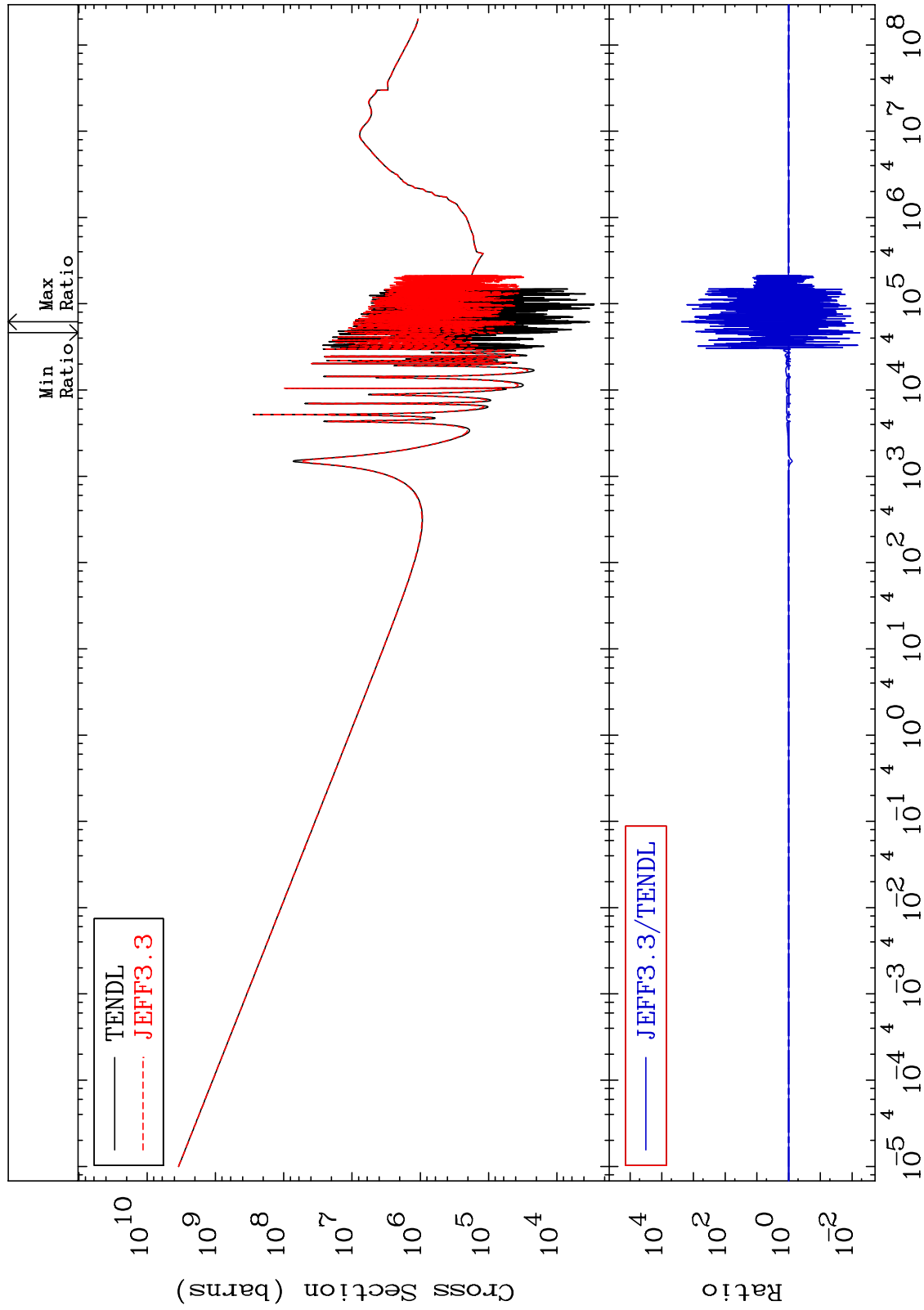
20-Ca-43  
-99.43 To 9999. %



MAT 2034

Total photon (eV-barns)  
Cross Section

20-Ca-43  
-99.43 To 9999. %

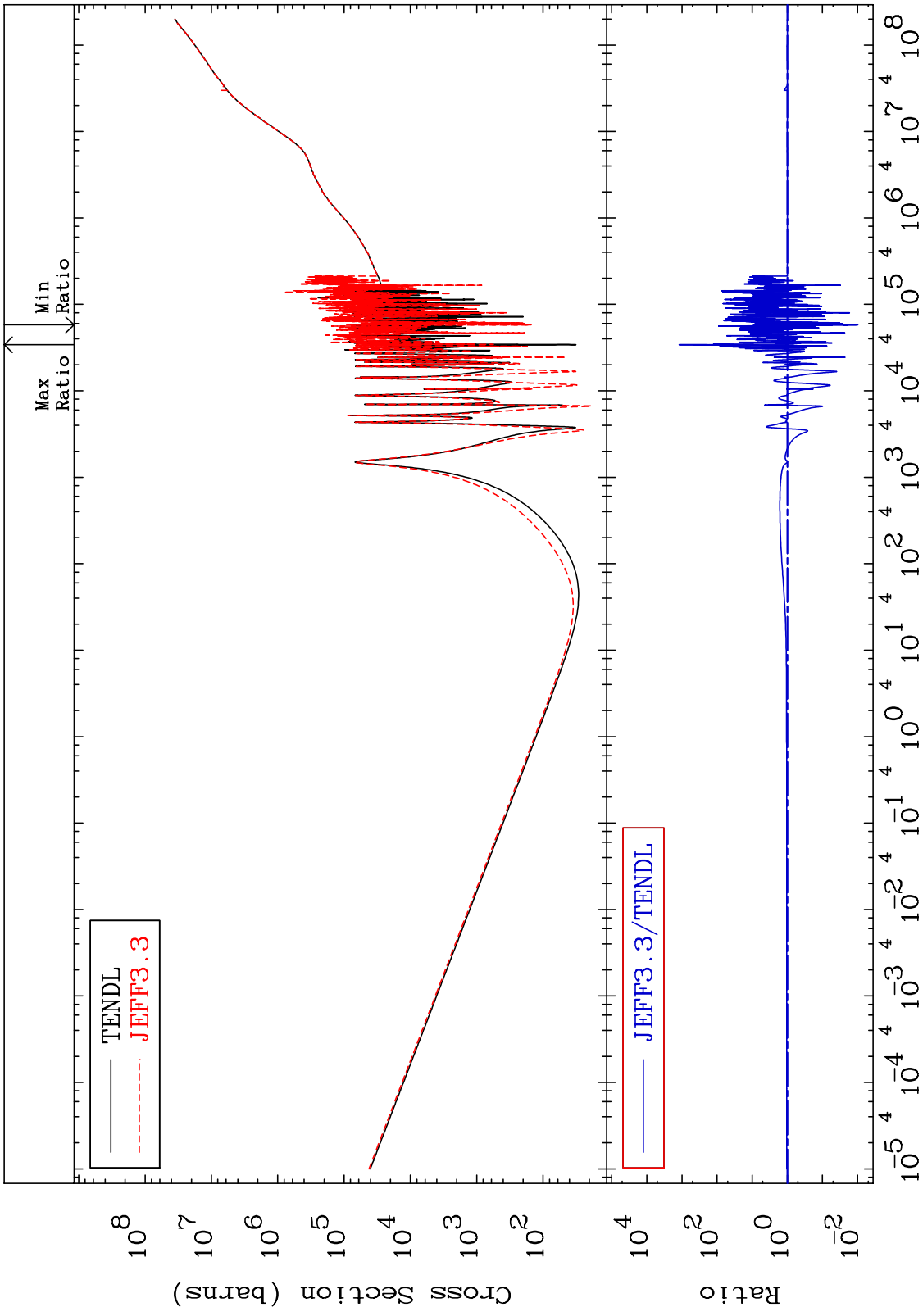


75

Incident Energy (eV)

20-Ca-43

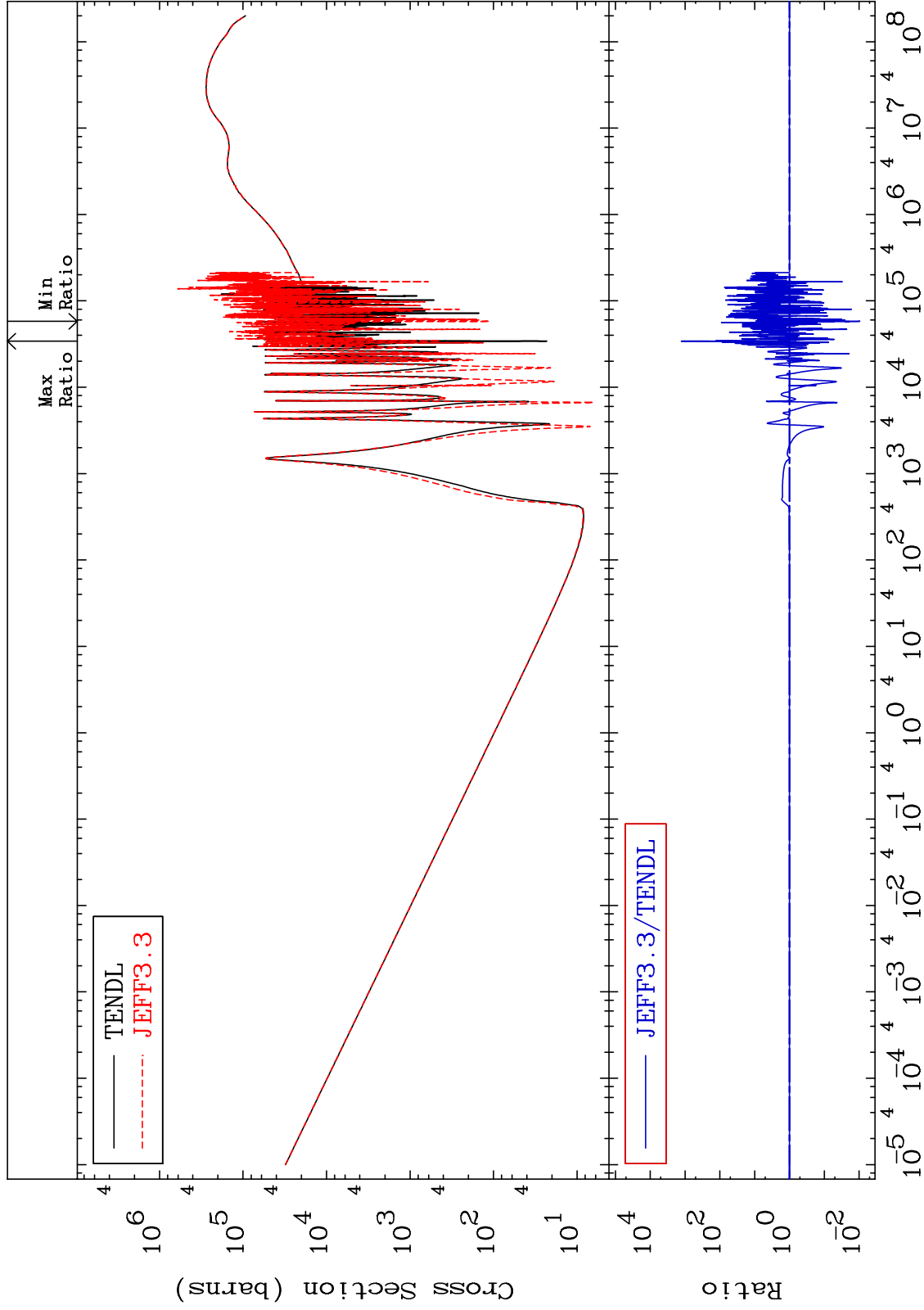
MAT 2034 Total kinematic kerma (high limit) 20-Ca-43  
Cross Section -99.01 To 9999. %



MAT 2034

Dpa total (eV-barns)  
Cross Section

20-Ca-43  
-99.04 To 9999. %



77

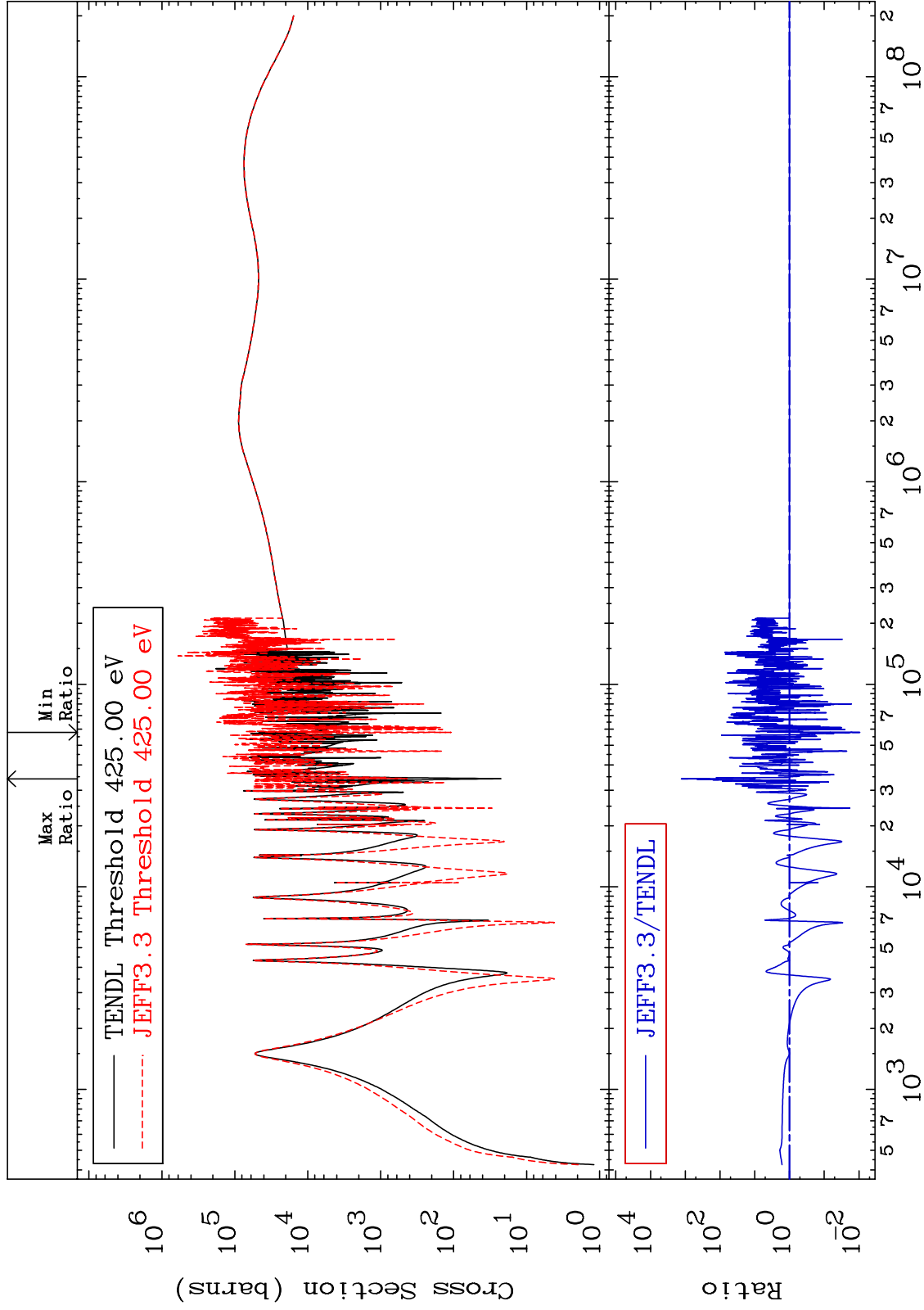
Incident Energy (eV)

20-Ca-43

MAT 2034

Dpa elastic (mt2)  
Cross Section

20-Ca-43  
-99.05 To 9999. %

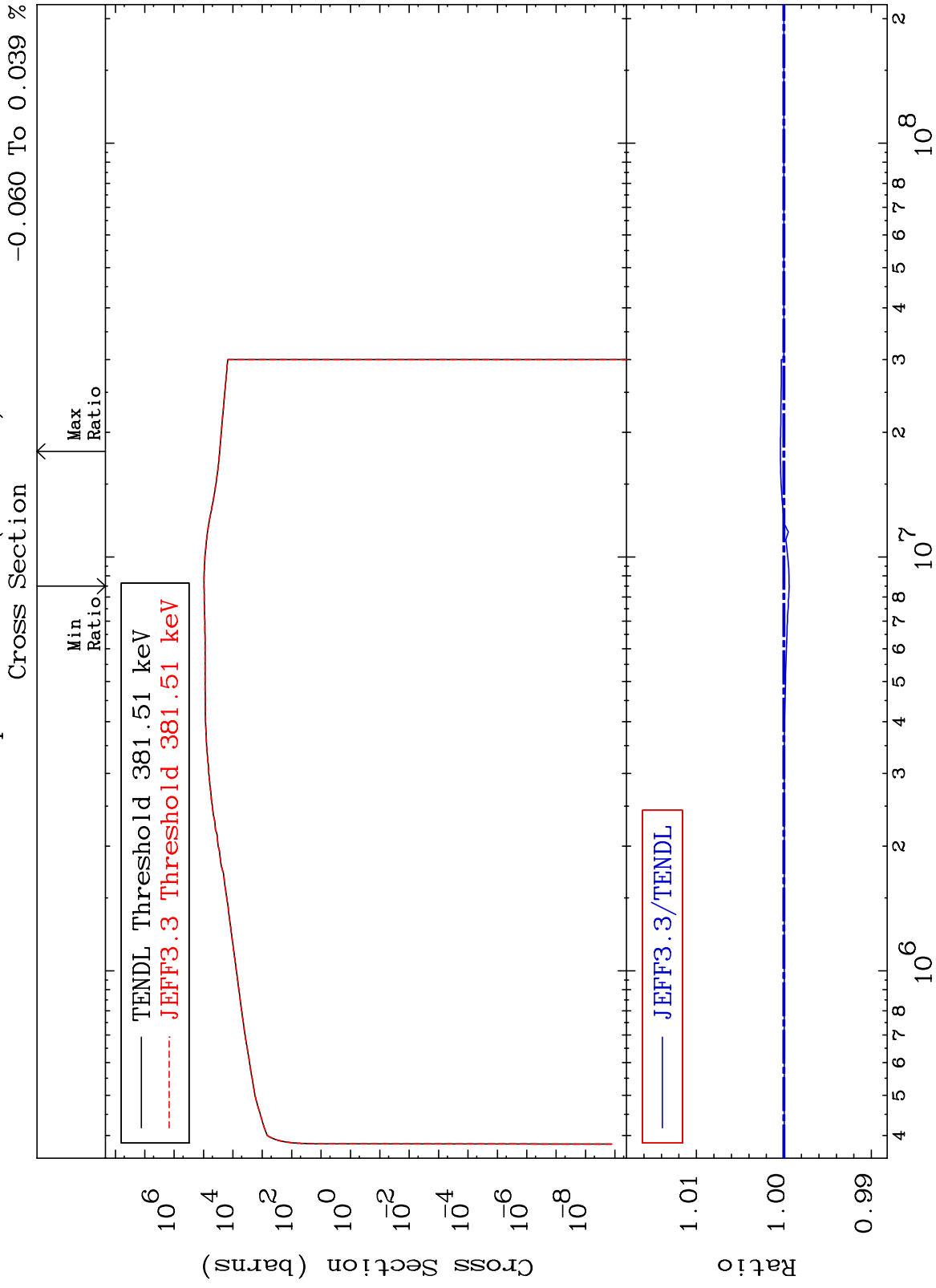


MAT 2034

Dpa inelastic (mt51-91)

20-Ca-43

-0.060 To 0.039 %



79

Incident Energy (eV)

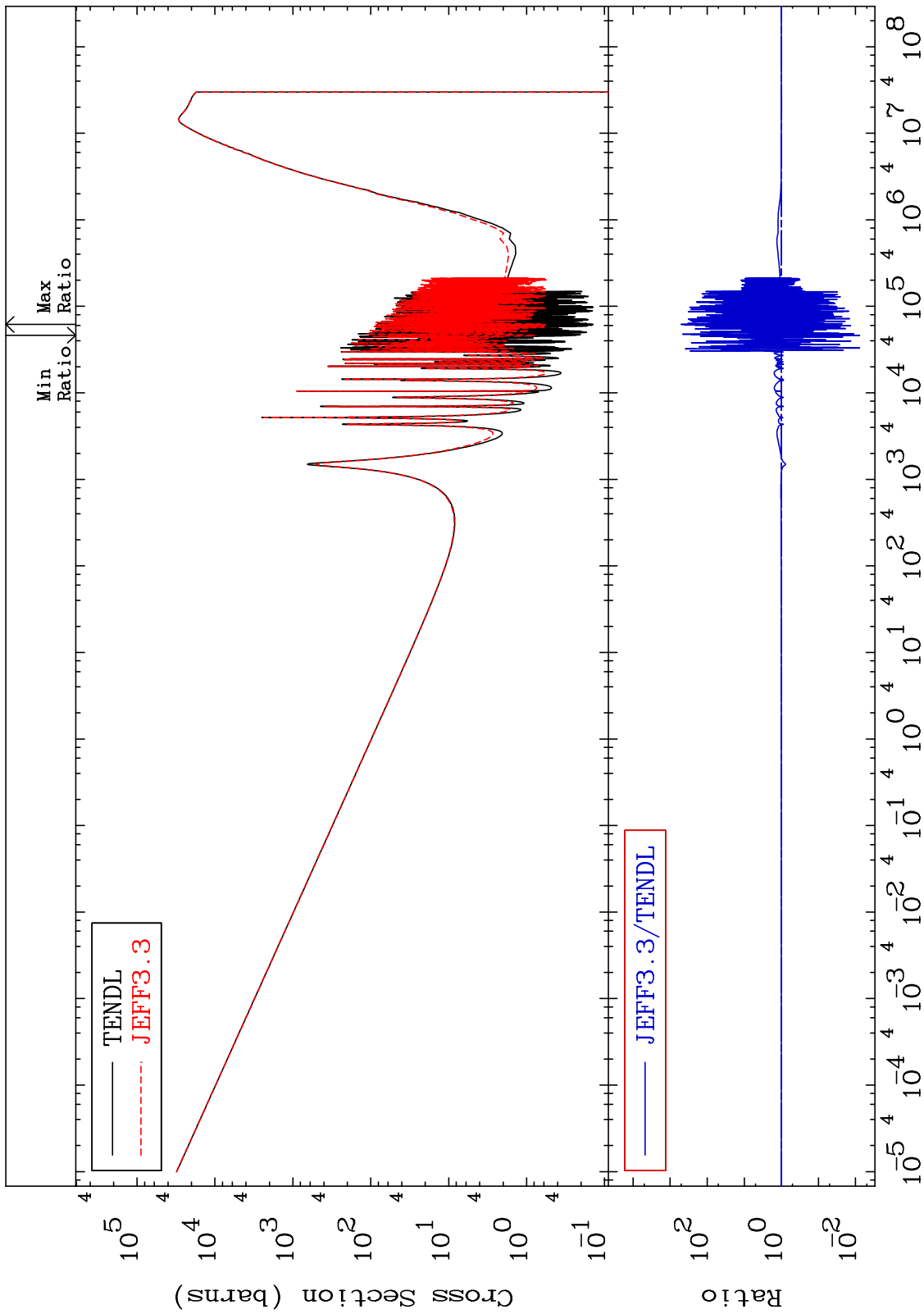
20-Ca-43



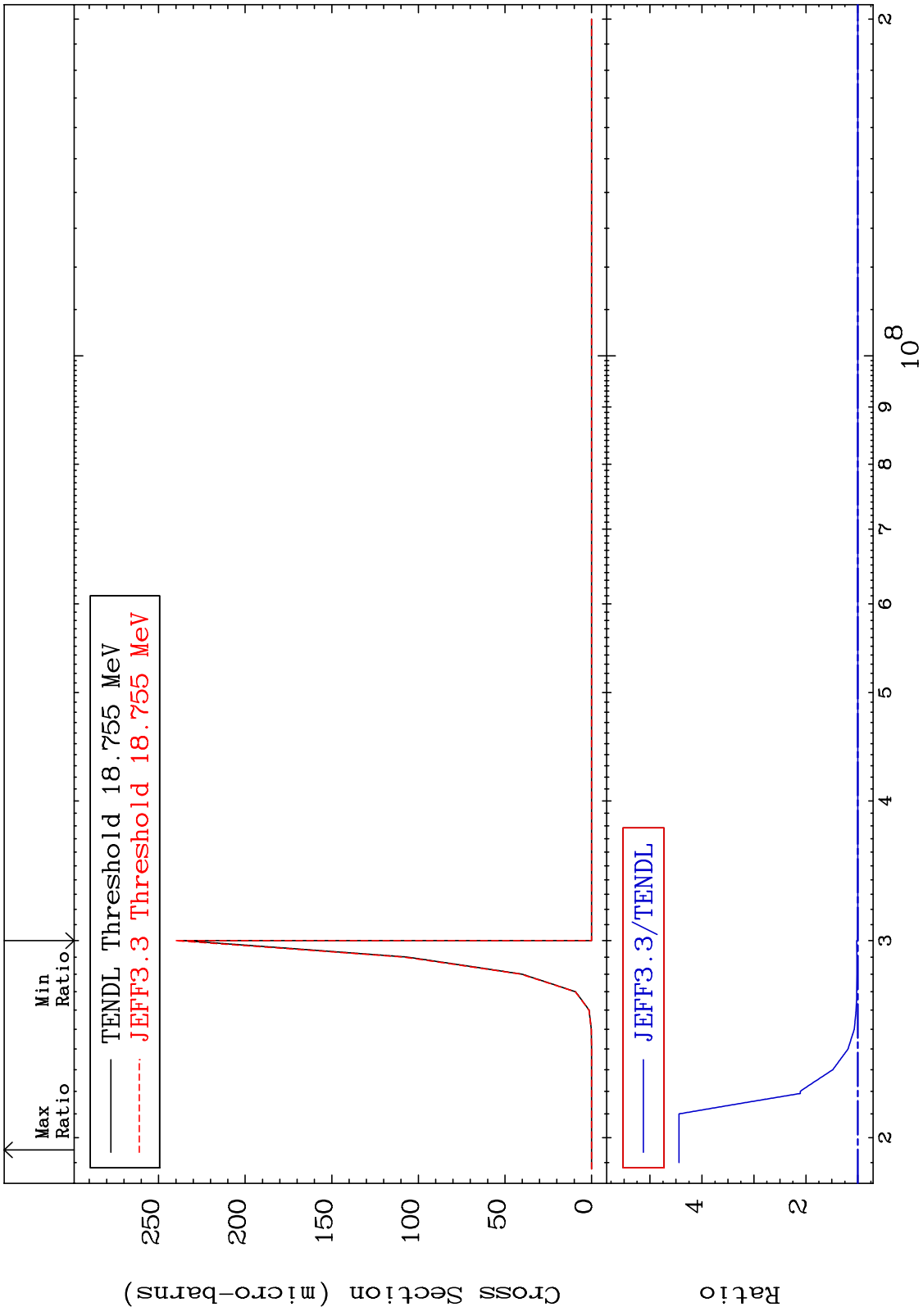
MAT 2034

Dpa disappearance (mt102 -120)  
Cross Section

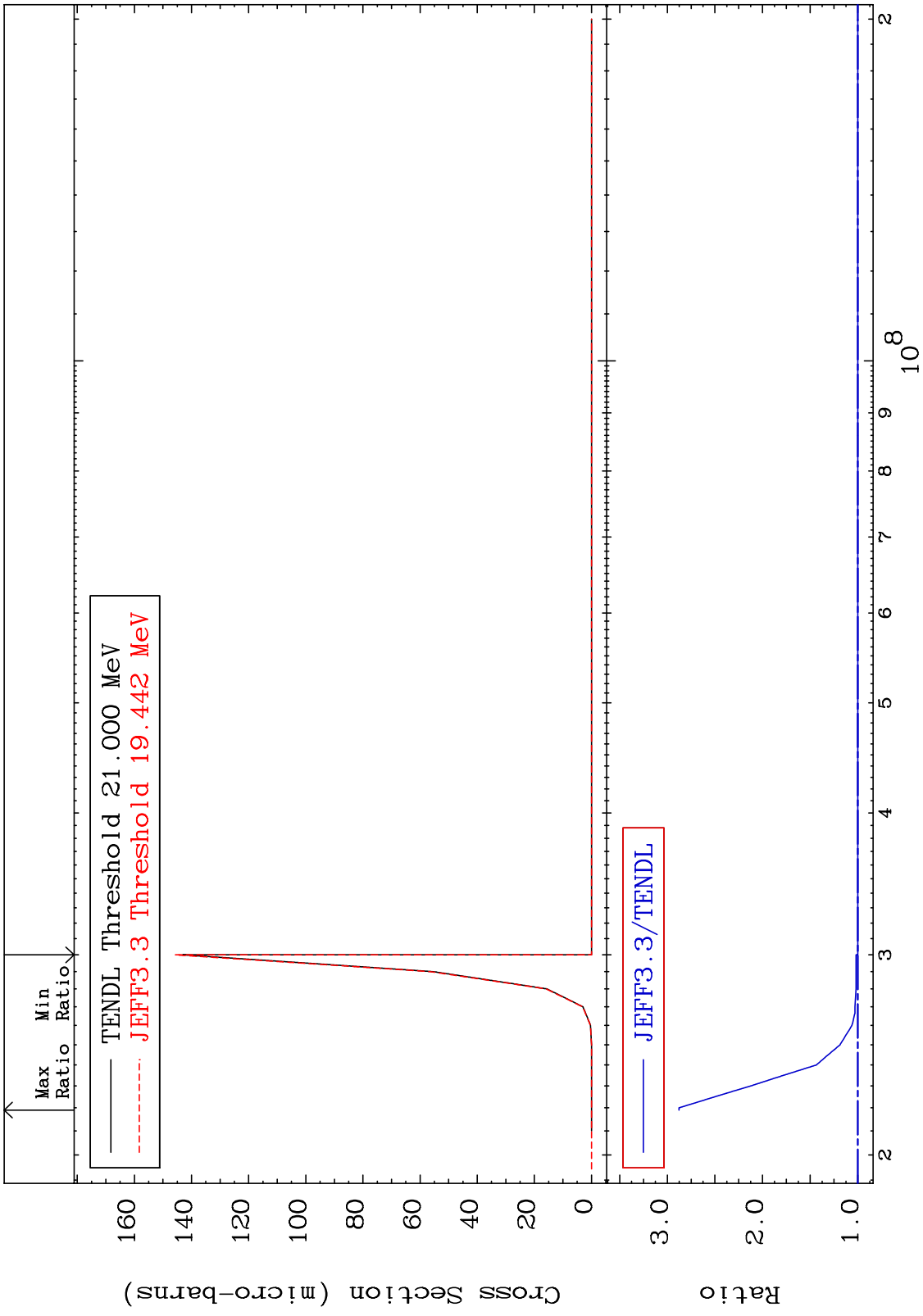
20-Ca-43  
-99.22 To 9999. %



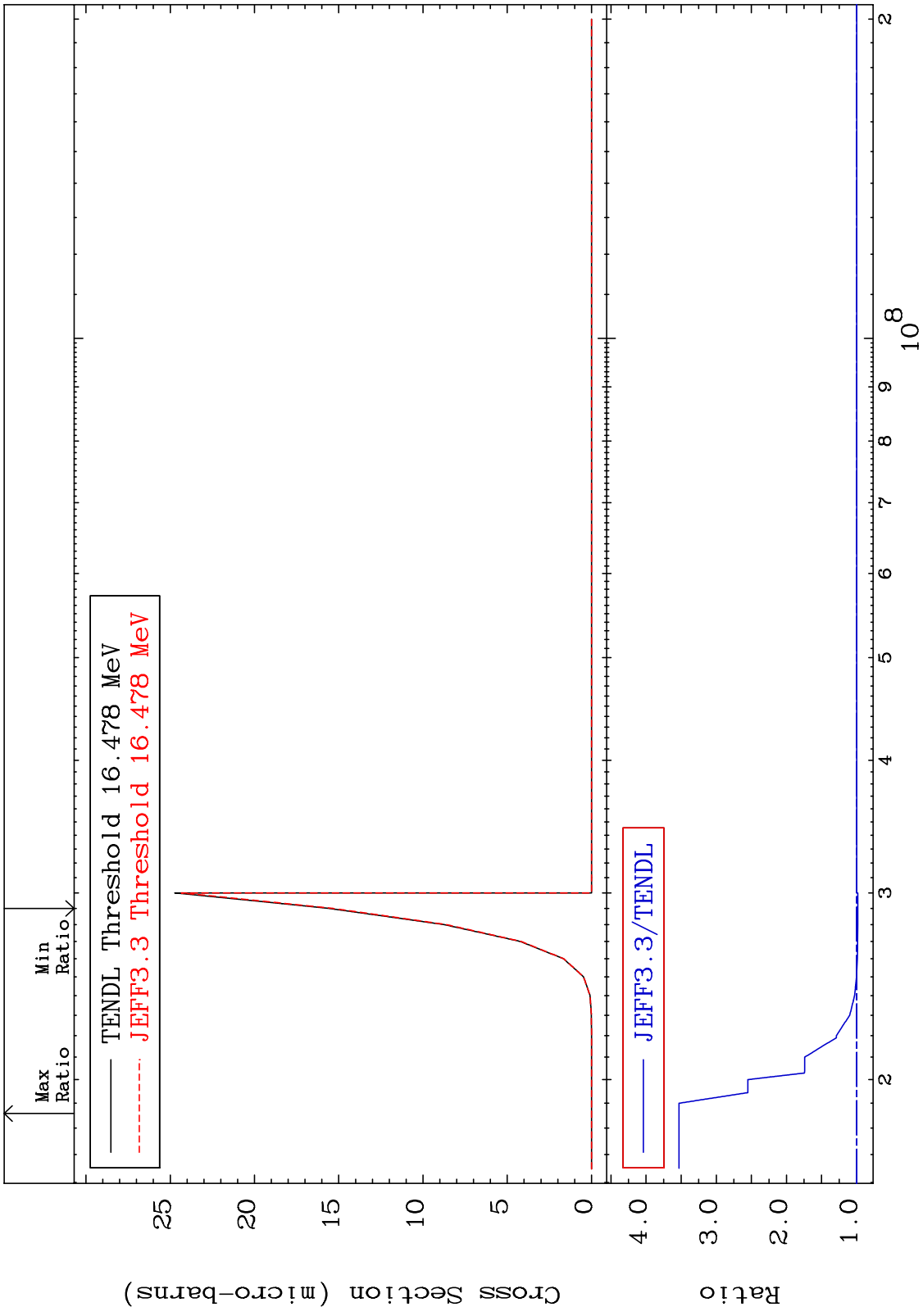
MAT 2034 (n,n') p α:17-Cl-38g 20-Ca-43  
 Radionuclide Production Cross Section 0.000 To 344.1 %



MAT 2034 (n,n') p α:17-Cl-38m1 20-Ca-43  
 Radionuclide Production Cross Section 0.000 To 187.7 %



MAT 2034 (n,d)  $\alpha$ : 17-Cl-38g 20-Ca-43  
 Radionuclide Production Cross Section -1.607 To 253.0 %



MAT 2034 (n,d)  $\alpha$ : 17-Cl-38m1 20-Ca-43  
 Radionuclide Production Cross Section -9.388 To 207.2 %

