

Program Complot  
(Version 2018-1)

by

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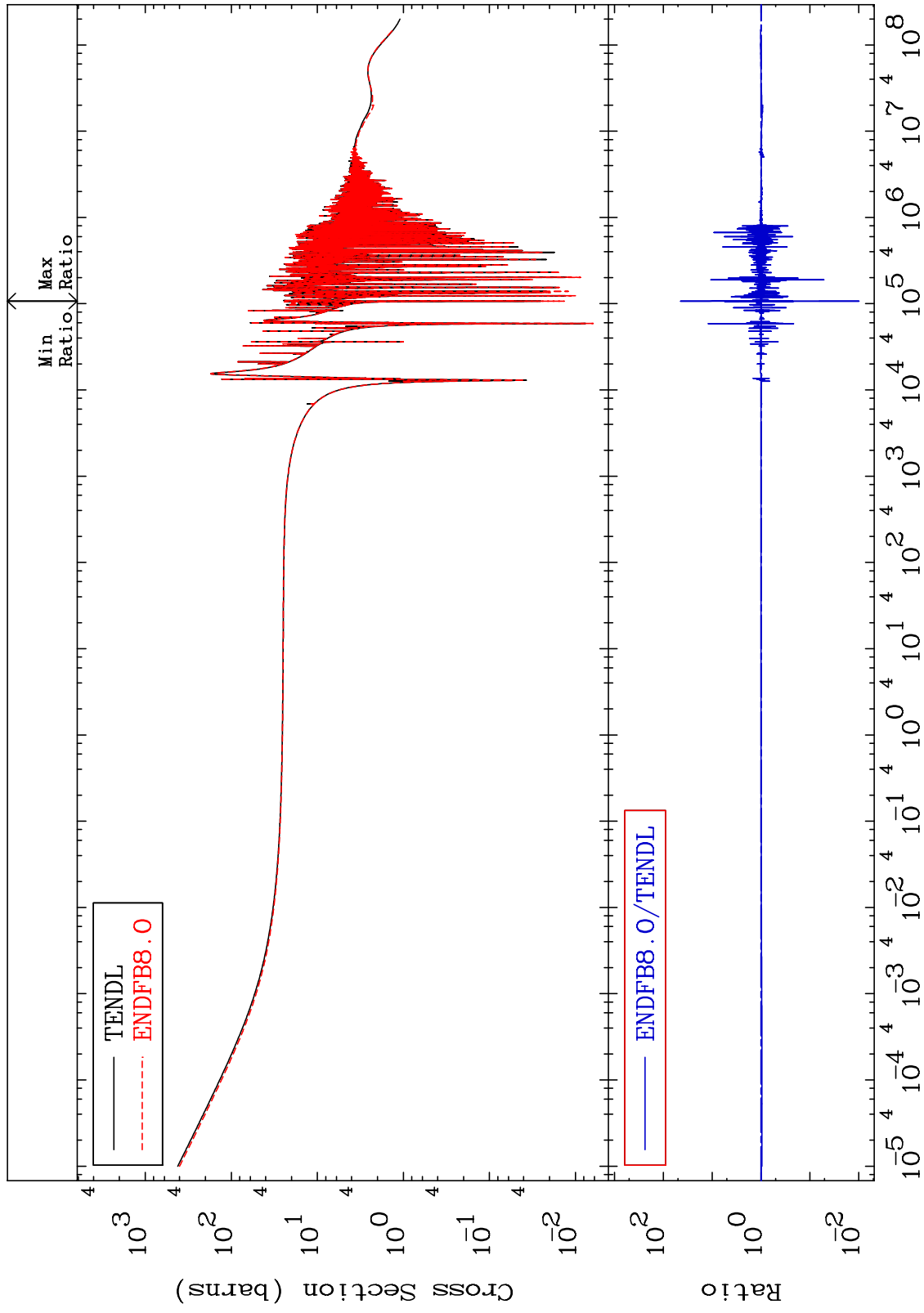
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 2825

Total  
Cross Section

28-Ni-58  
-99.02 To 4312. %



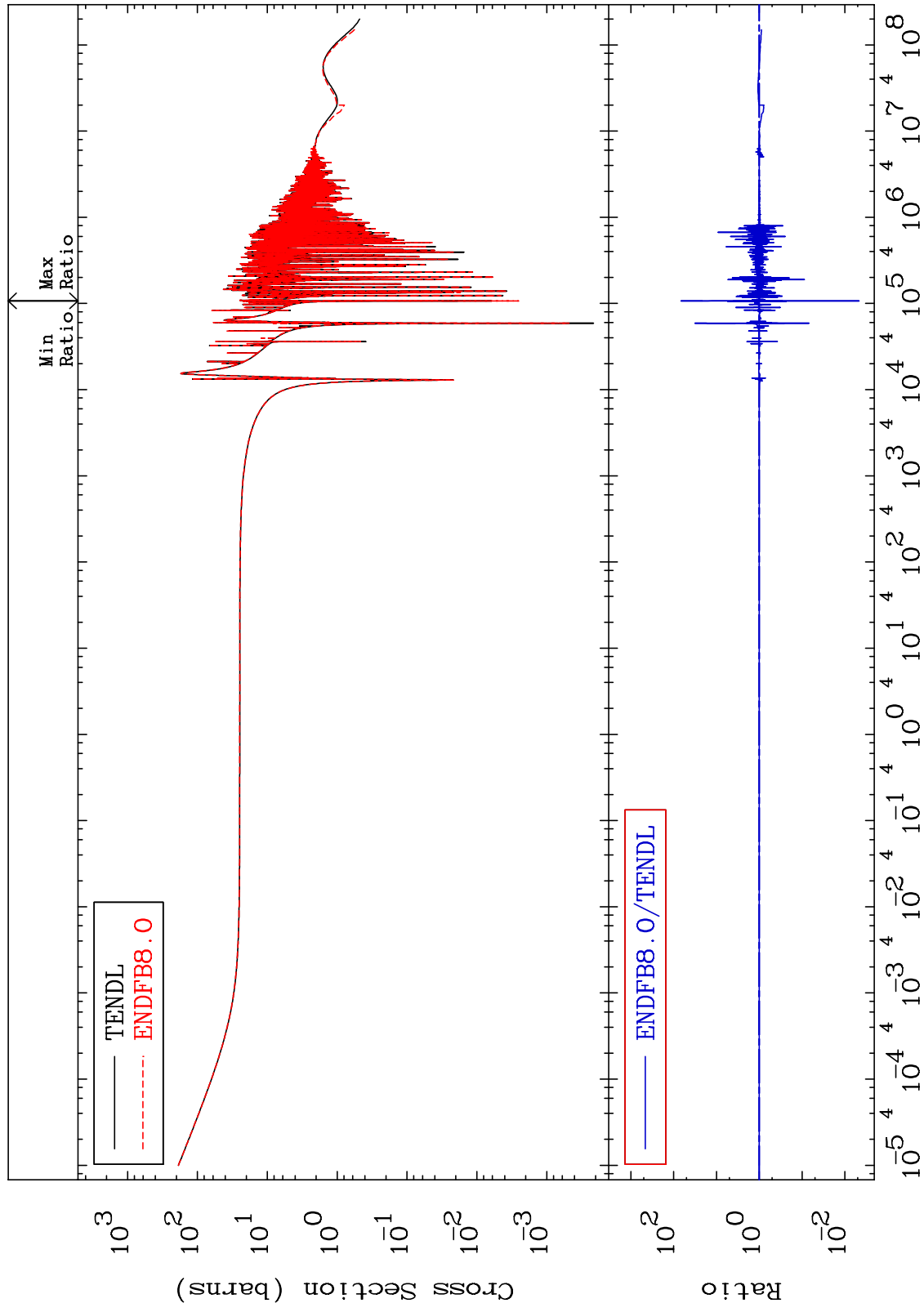
Incident Energy (eV)

28-Ni-58

MAT 2825

Elastic  
Cross Section

28-Ni-58  
-99.53 To 6673. %

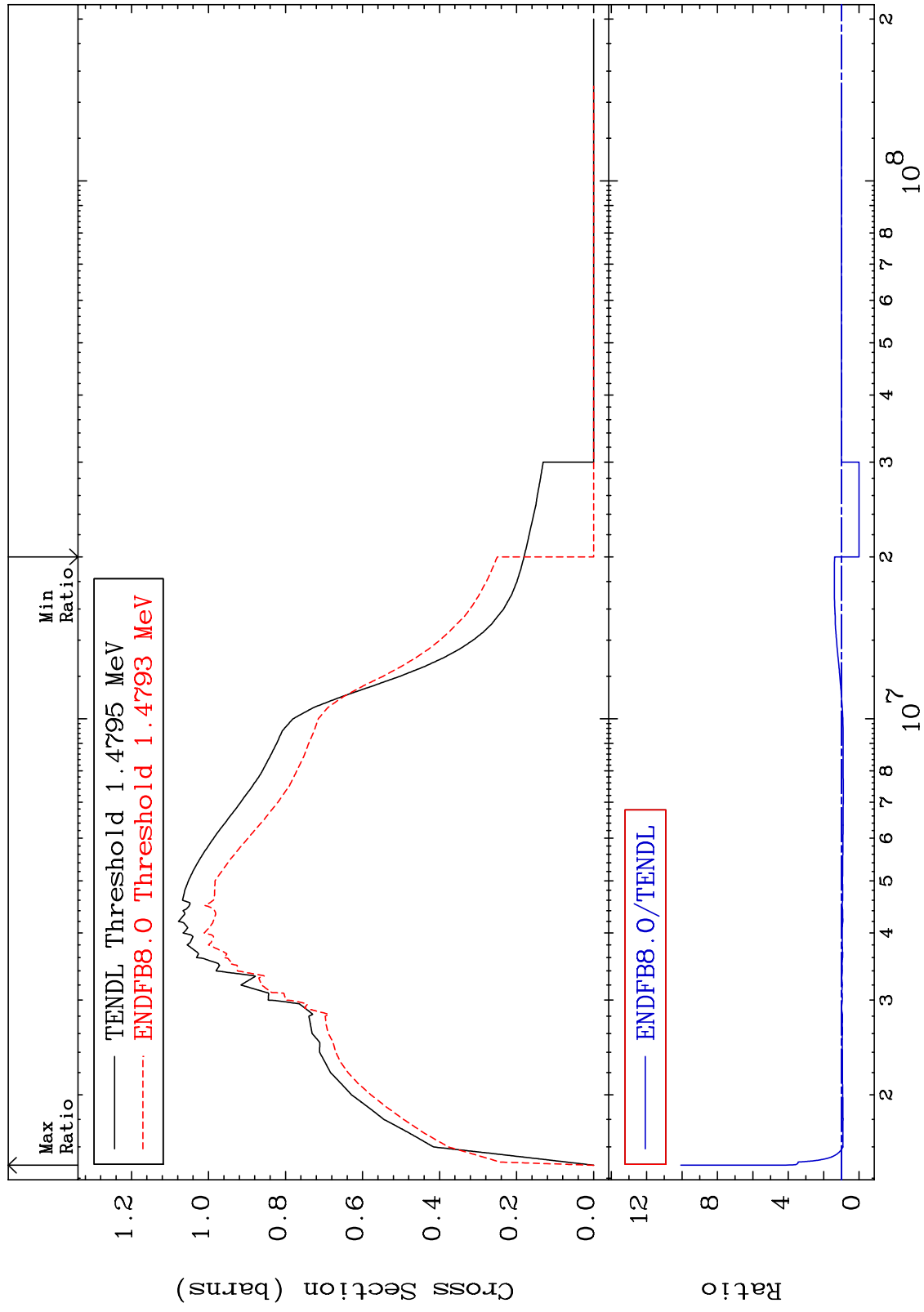


2

Incident Energy (eV)

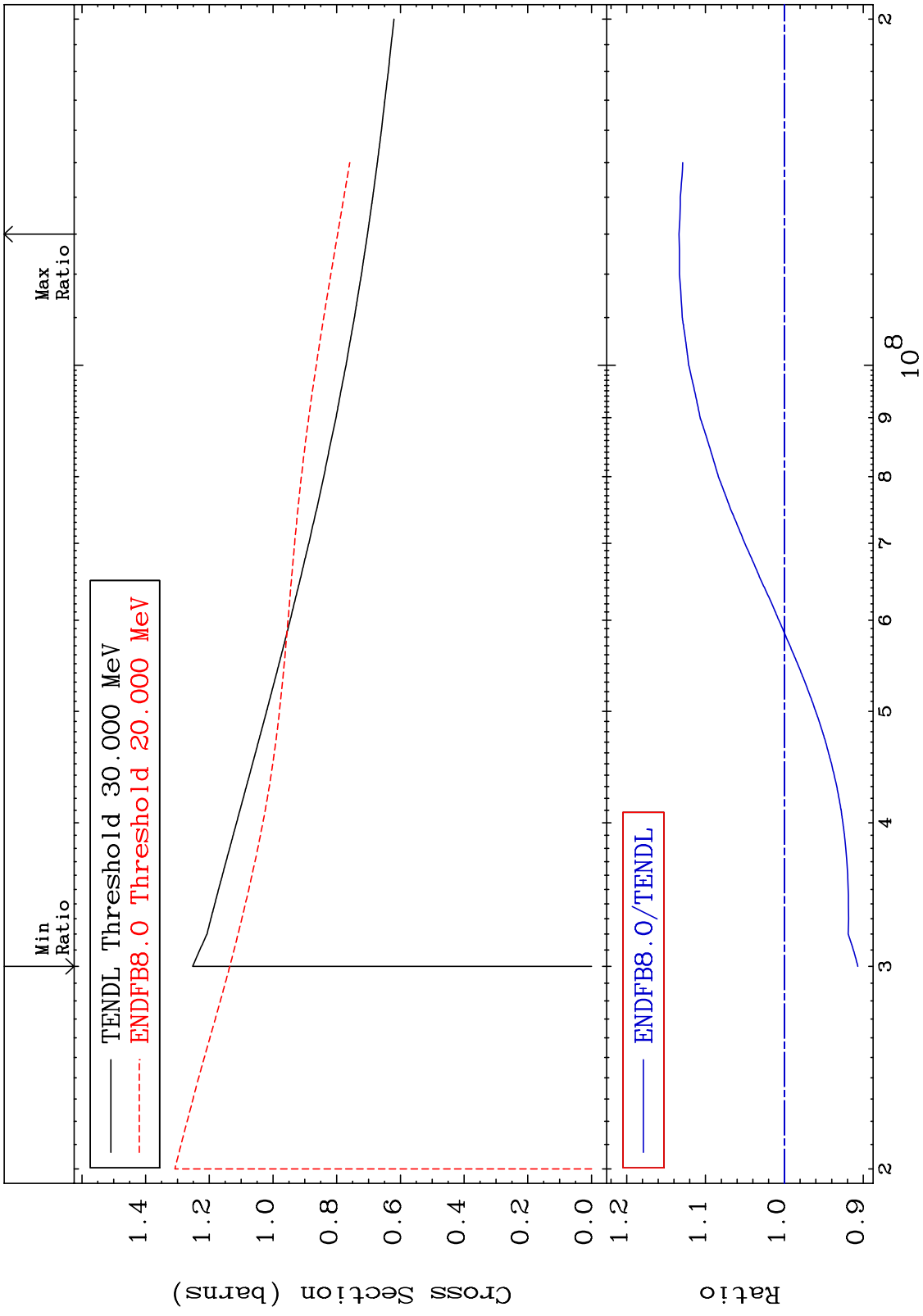
28-Ni-58

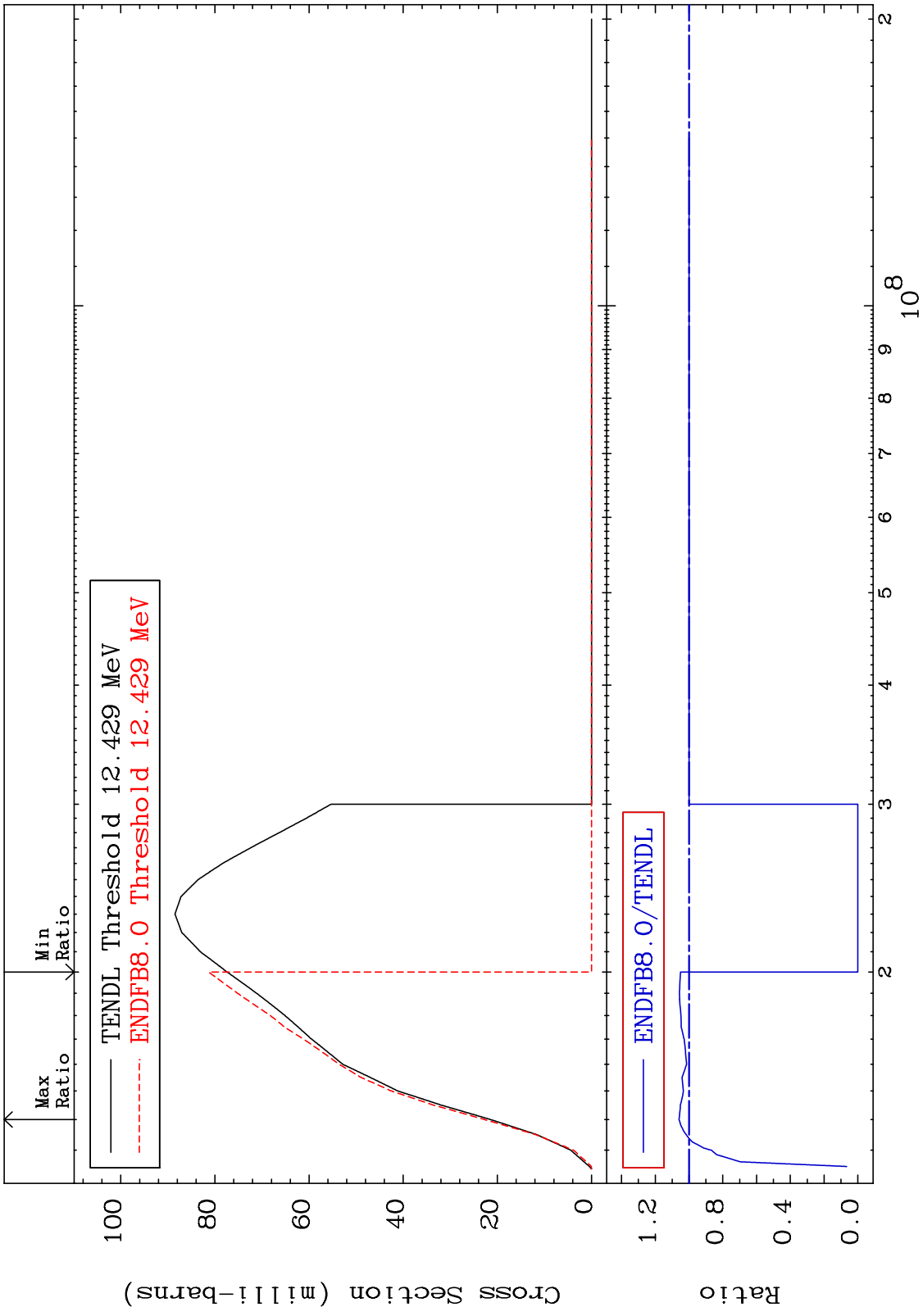
MAT 2825 Inelastic Cross Section 28-Ni-58 -100.0 To 906.7 %



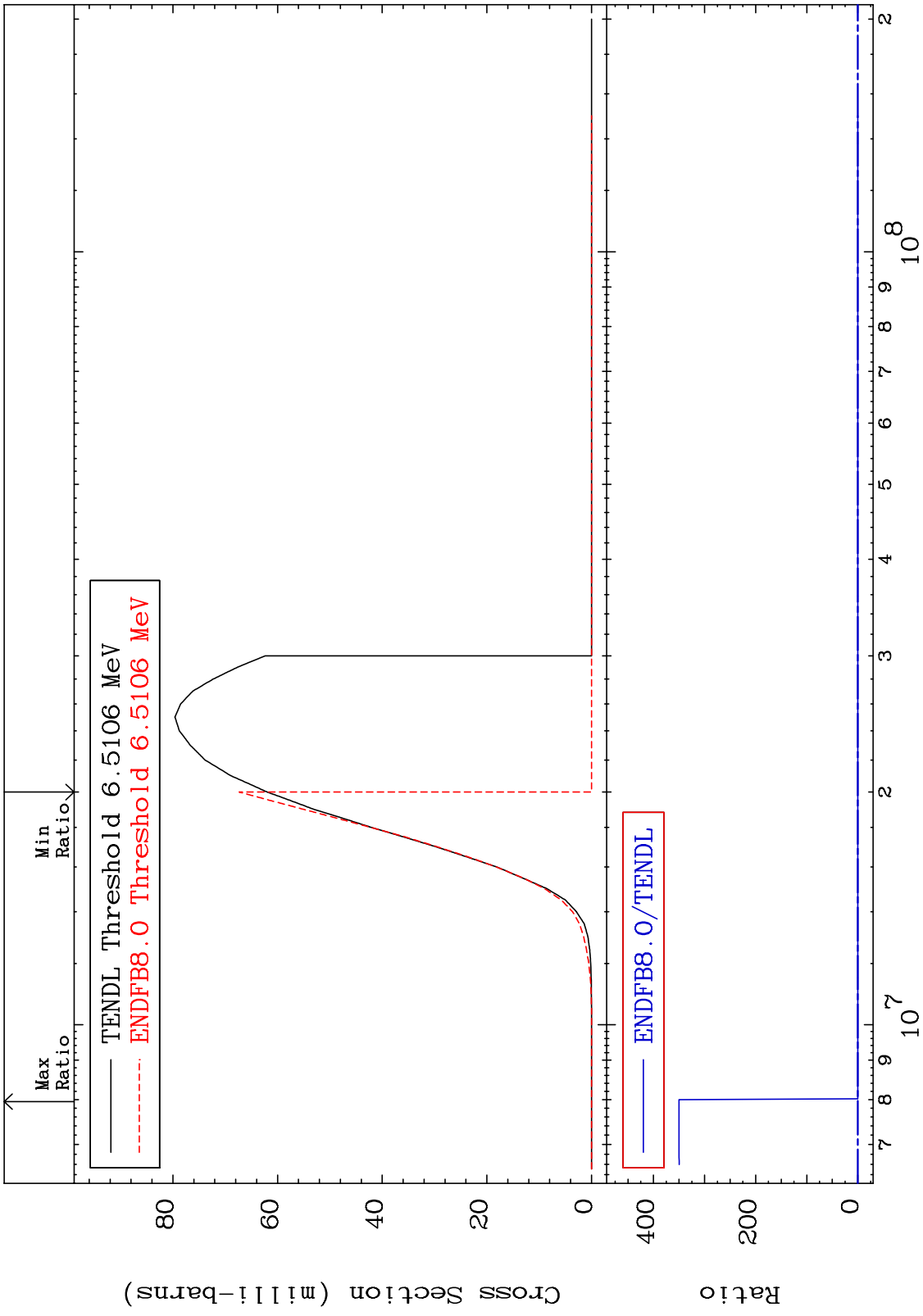
3 28-Ni-58

MAT 2825 (n, remainder) Cross Section 28-Ni-58 -9.314 To 13.36 %





MAT 2825  $(n, n') \alpha$  28-Ni-58  
 Cross Section -100.0 To 9999. %



6 Incident Energy (eV) 28-Ni-58

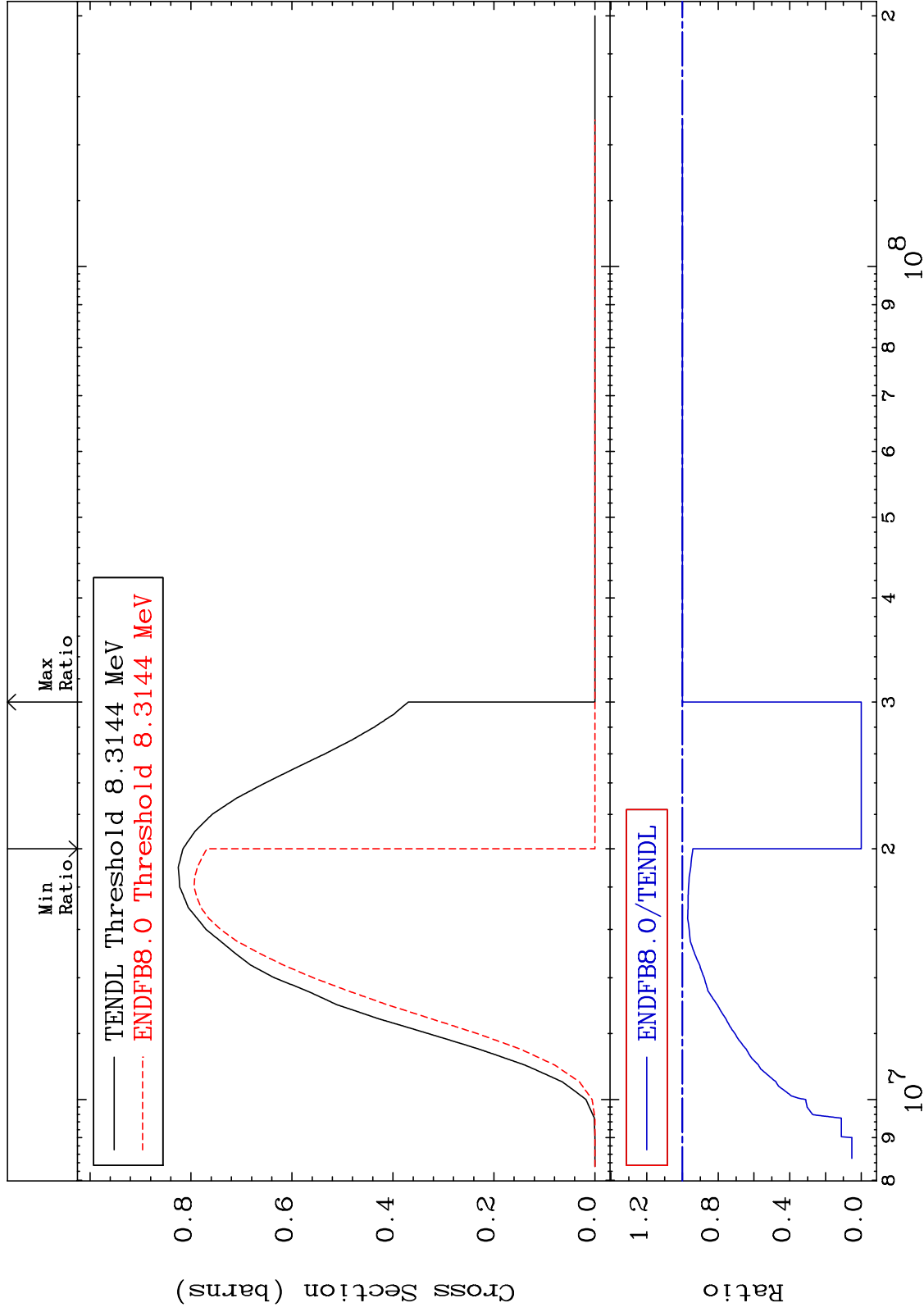
MAT 2825

(n,n') p

28-Ni-58

-100.0 To 0.000 %

Cross Section



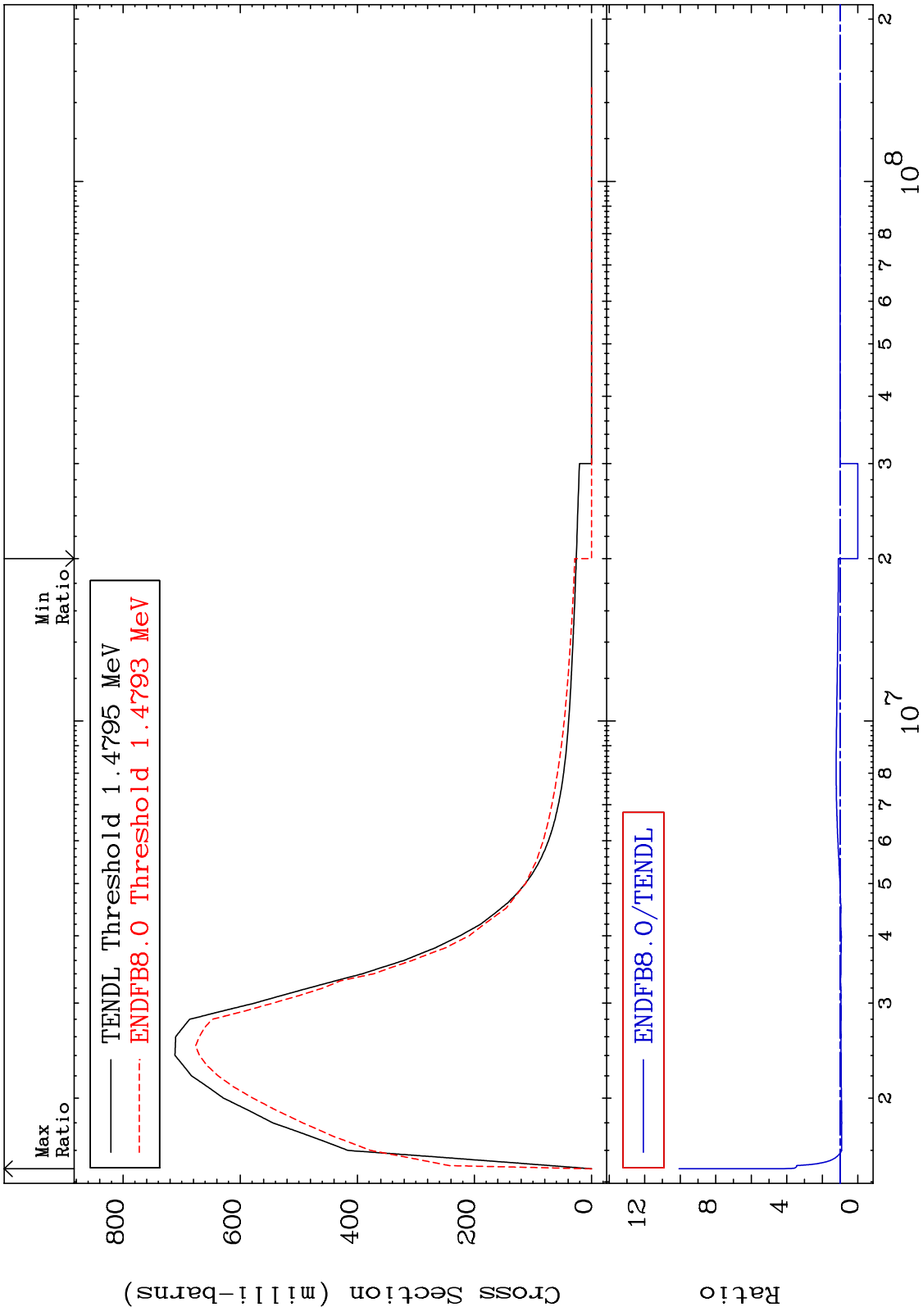
7

Incident Energy (eV)

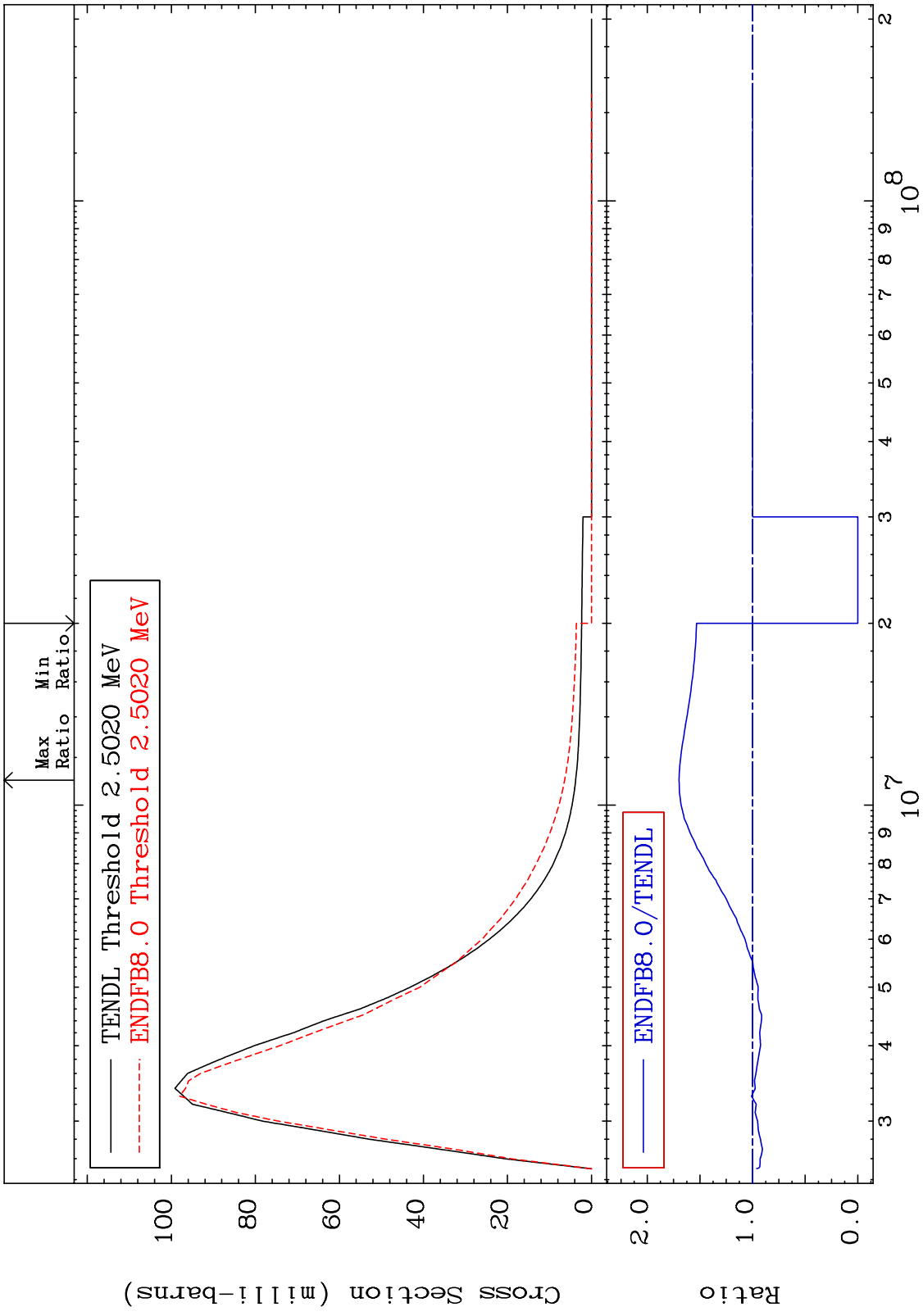
28-Ni-58



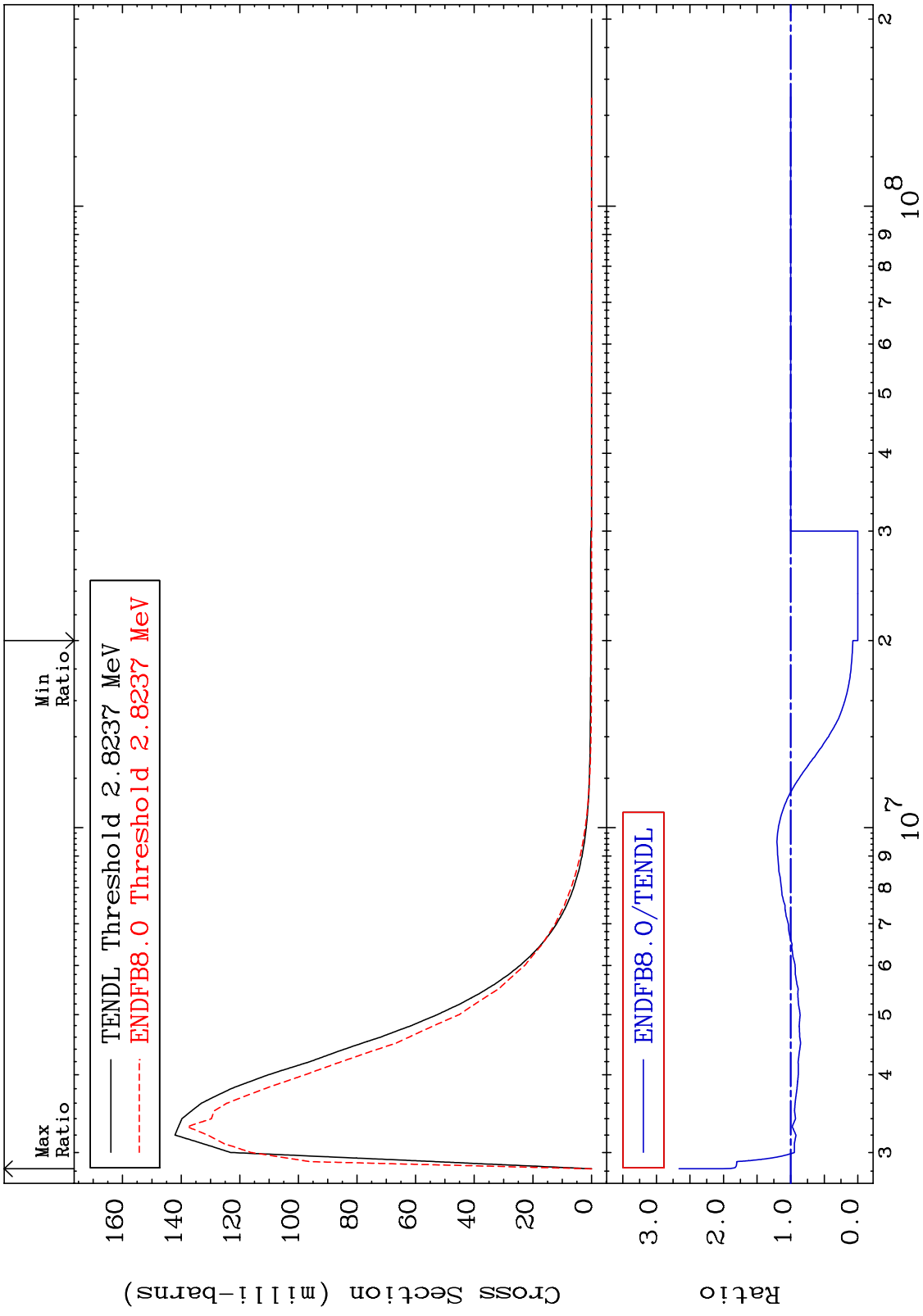
MAT 2825 MT= 51 (n,n') Level Cross Section -100.0 To 906.7 % 28-Ni-58



MAT 2825 MT= 52 (n,n') Level Cross Section -100.0 To 69.83 % 28-Ni-58

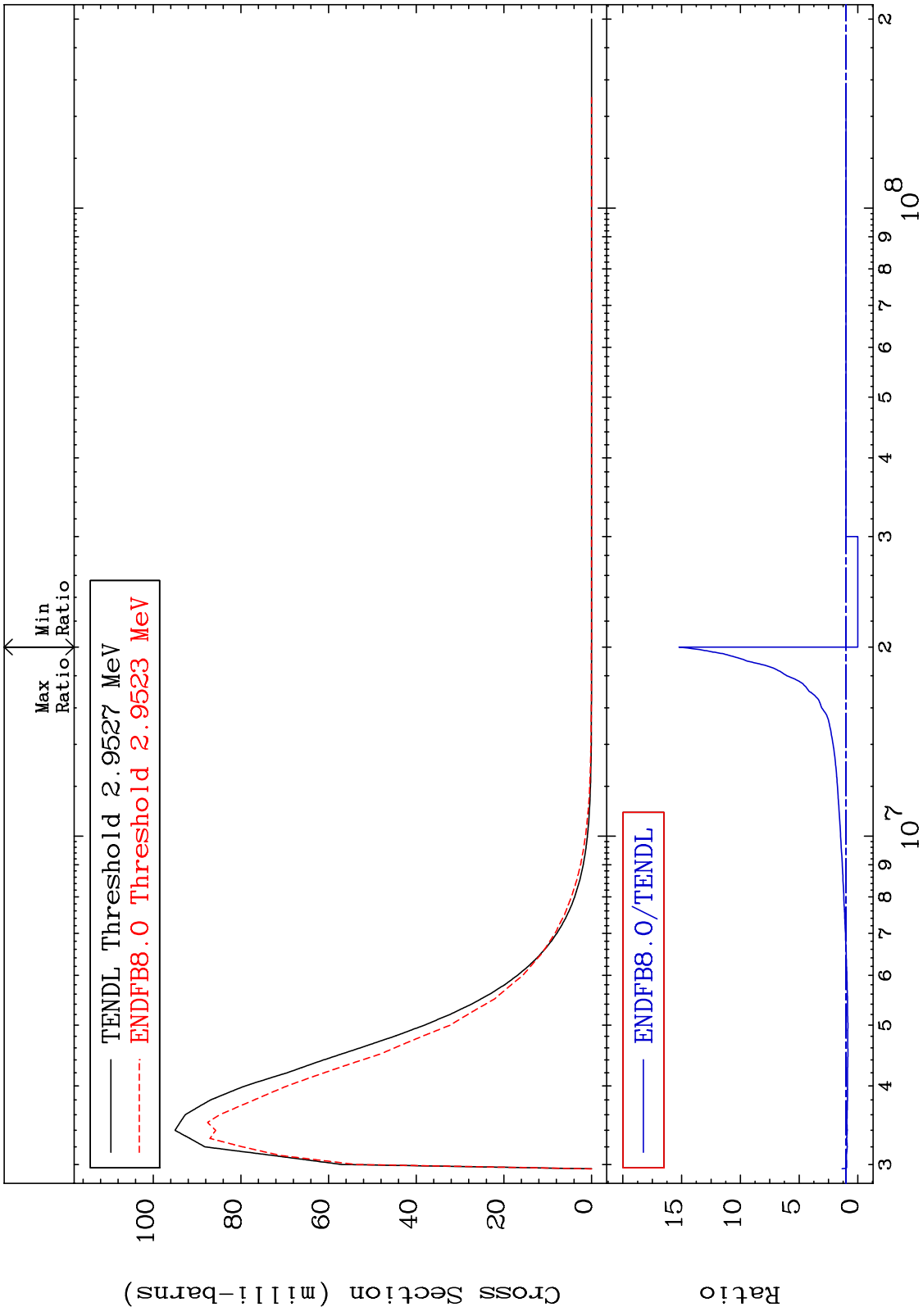


MAT 2825 MT= 53 (n,n') Level Cross Section -100.0 To 166.3 % 28-Ni-58

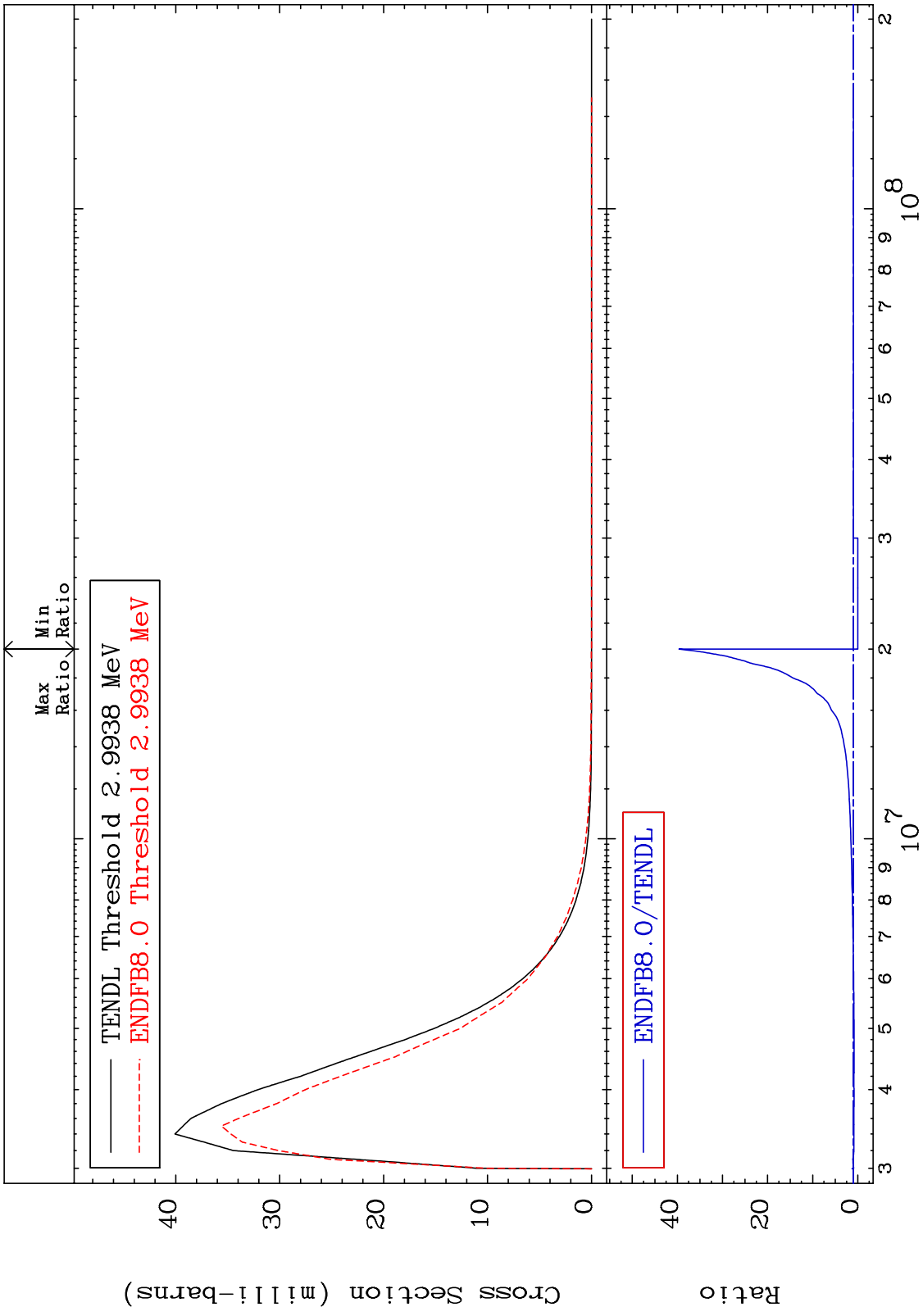


10 Incident Energy (eV) 28-Ni-58

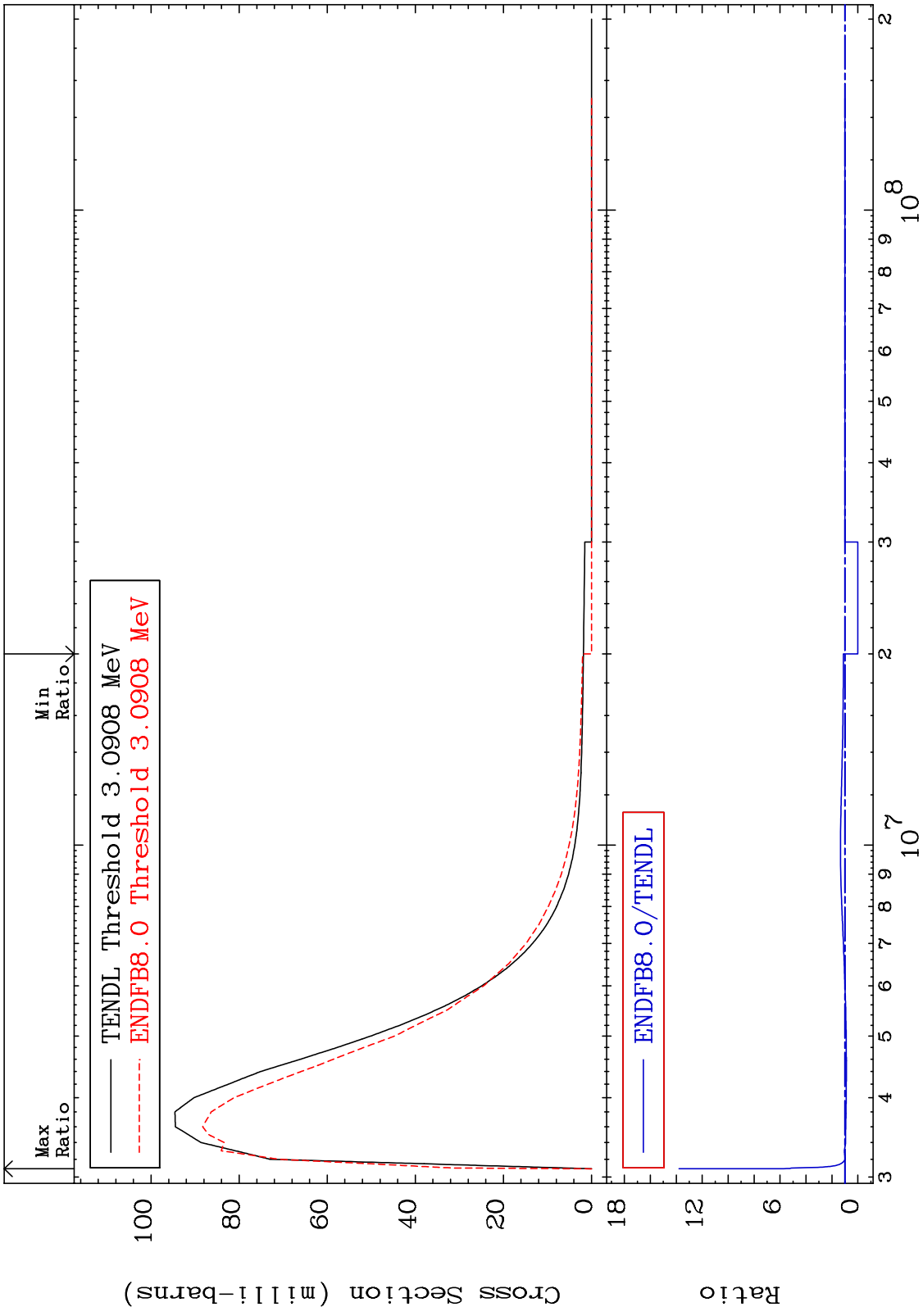
MAT 2825 MT= 54 (n,n') Level Cross Section -100.0 To 1422. % 28-Ni-58



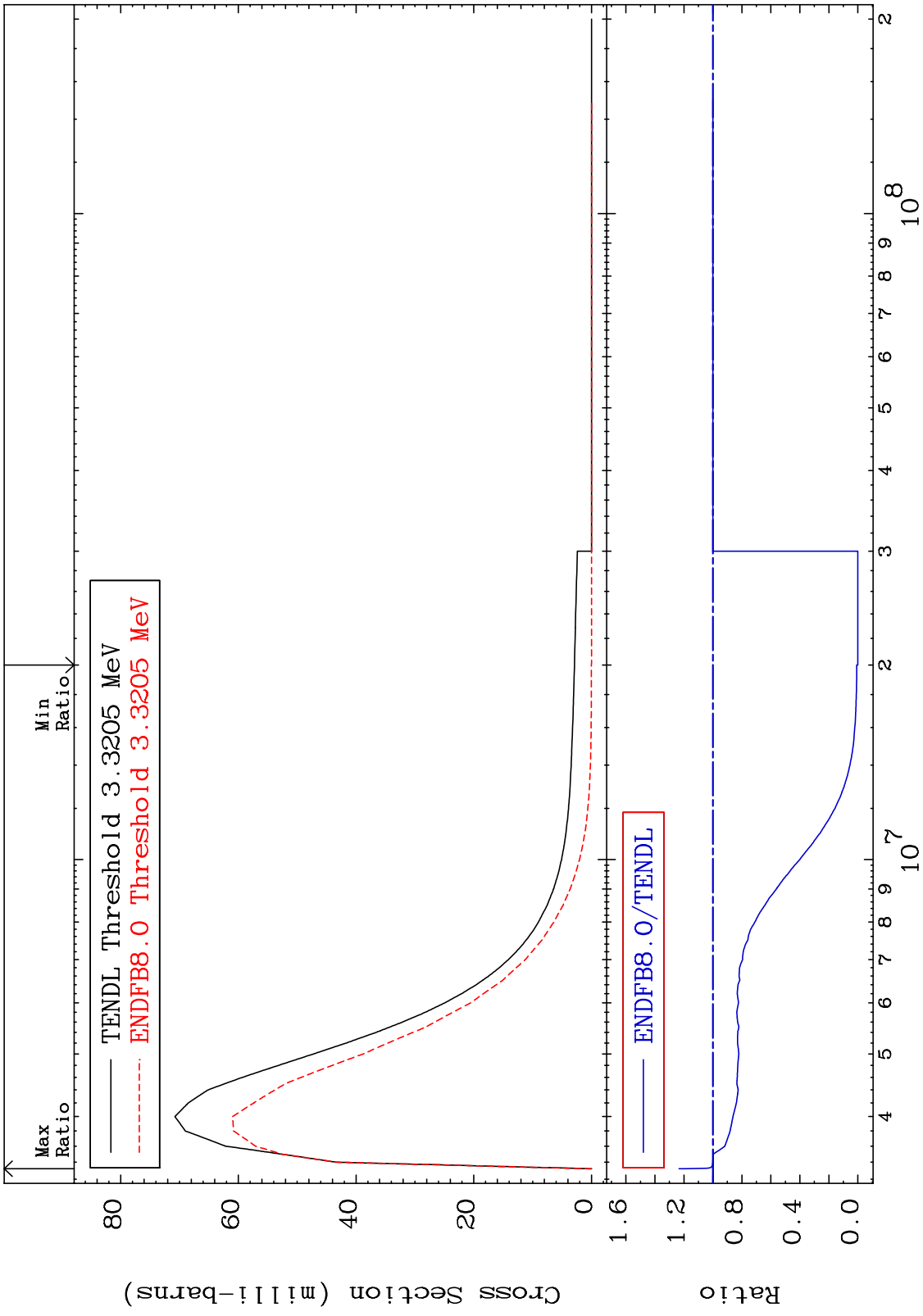
MAT 2825 MT= 55 (n,n') Level Cross Section -100.0 To 3863. % 28-Ni-58



MAT 2825      MT= 56 (n,n') Level      28-Ni-58  
 Cross Section      -100.0 To 1278. %



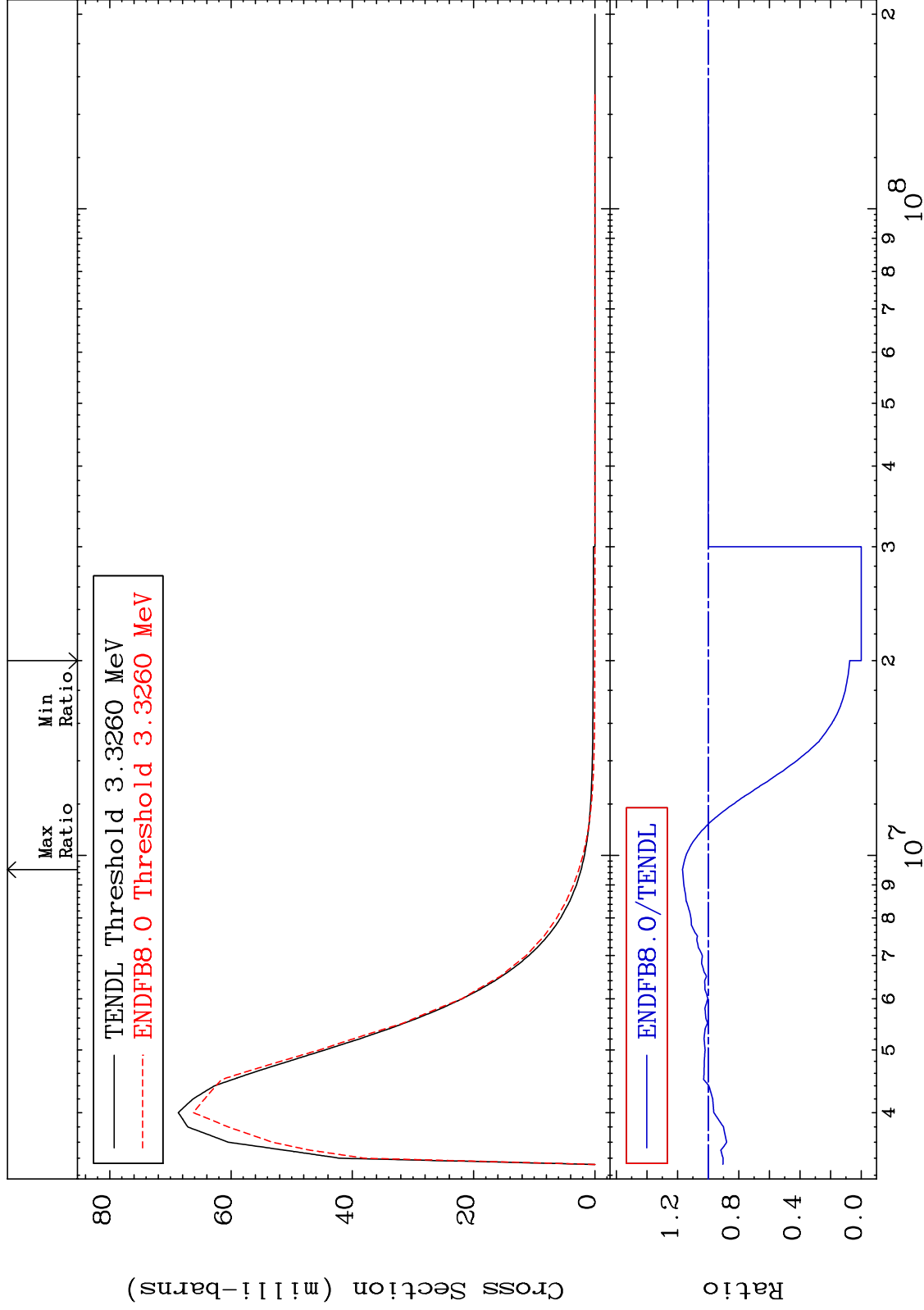
MAT 2825 MT= 57 (n,n') Level Cross Section -100.0 To 23.35 % 28-Ni-58



MAT 2825

MT= 58 (n,n') Level  
Cross Section

28-Ni-58  
-100.0 To 16.87 %



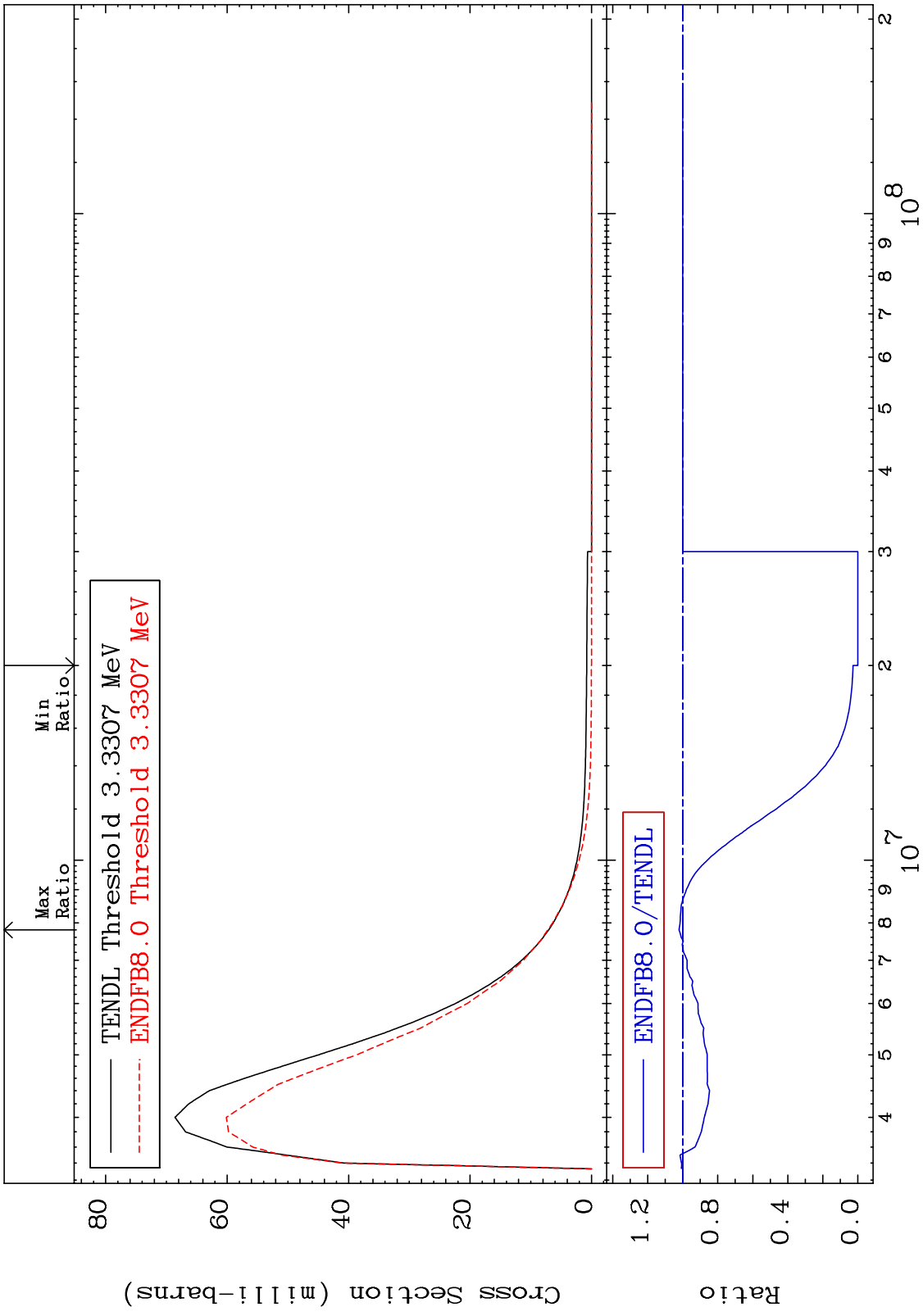
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Incident Energy (eV)

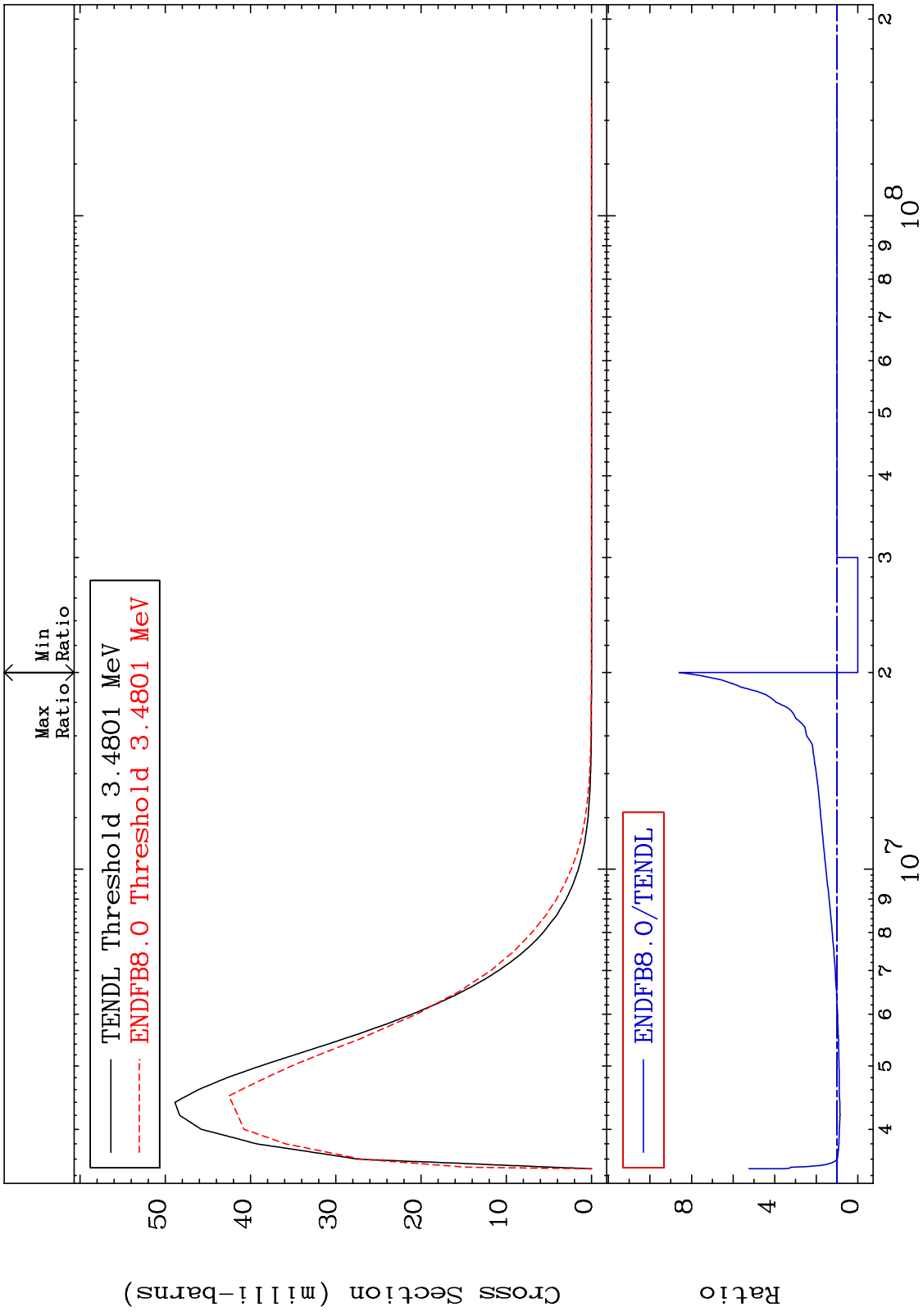
28-Ni-58



MAT 2825 MT= 59 (n,n') Level Cross Section -100.0 To 2.097 % 28-Ni-58



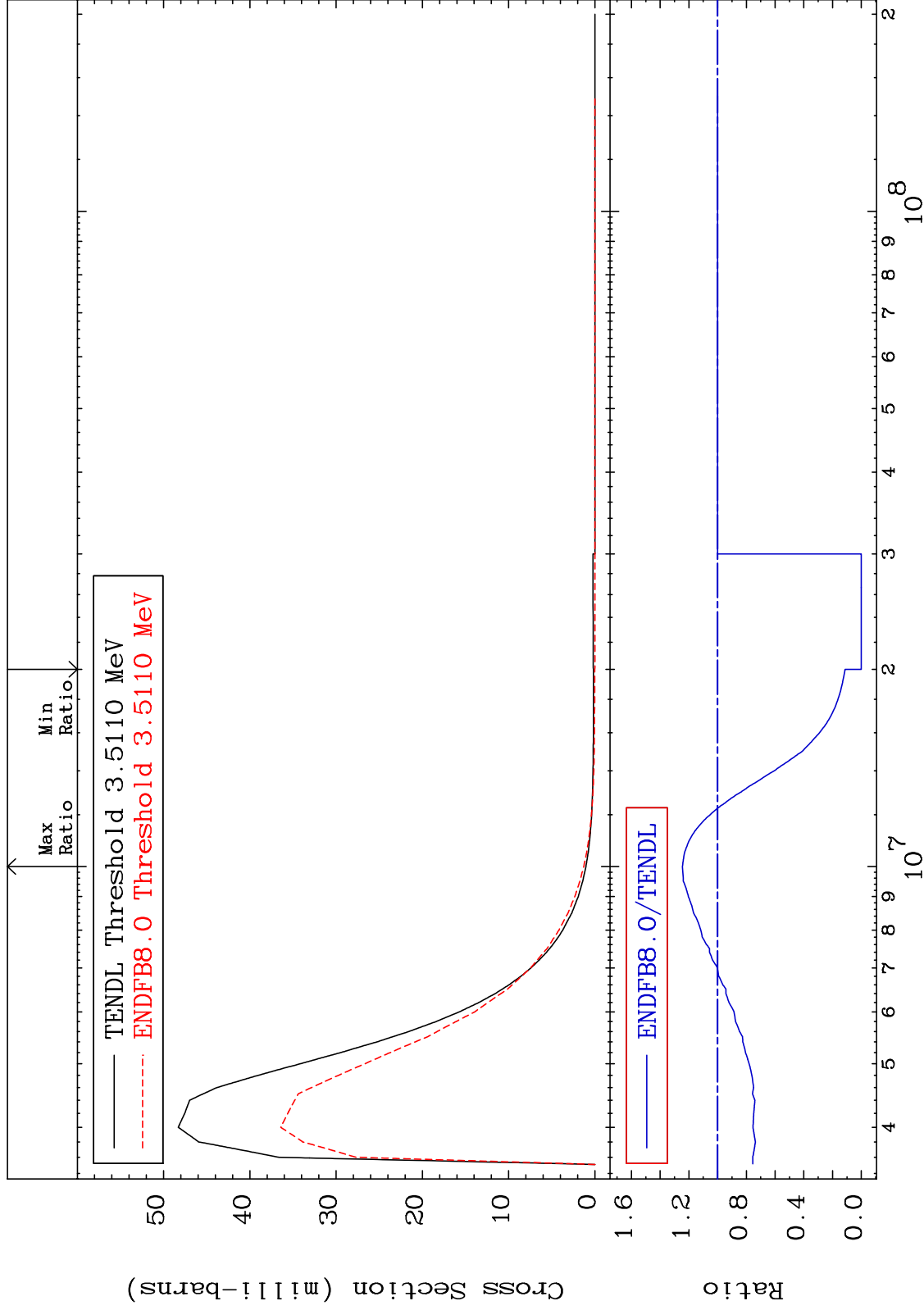
MAT 2825 MT= 60 (n,n') Level Cross Section -100.0 To 760.2 % 28-Ni-58



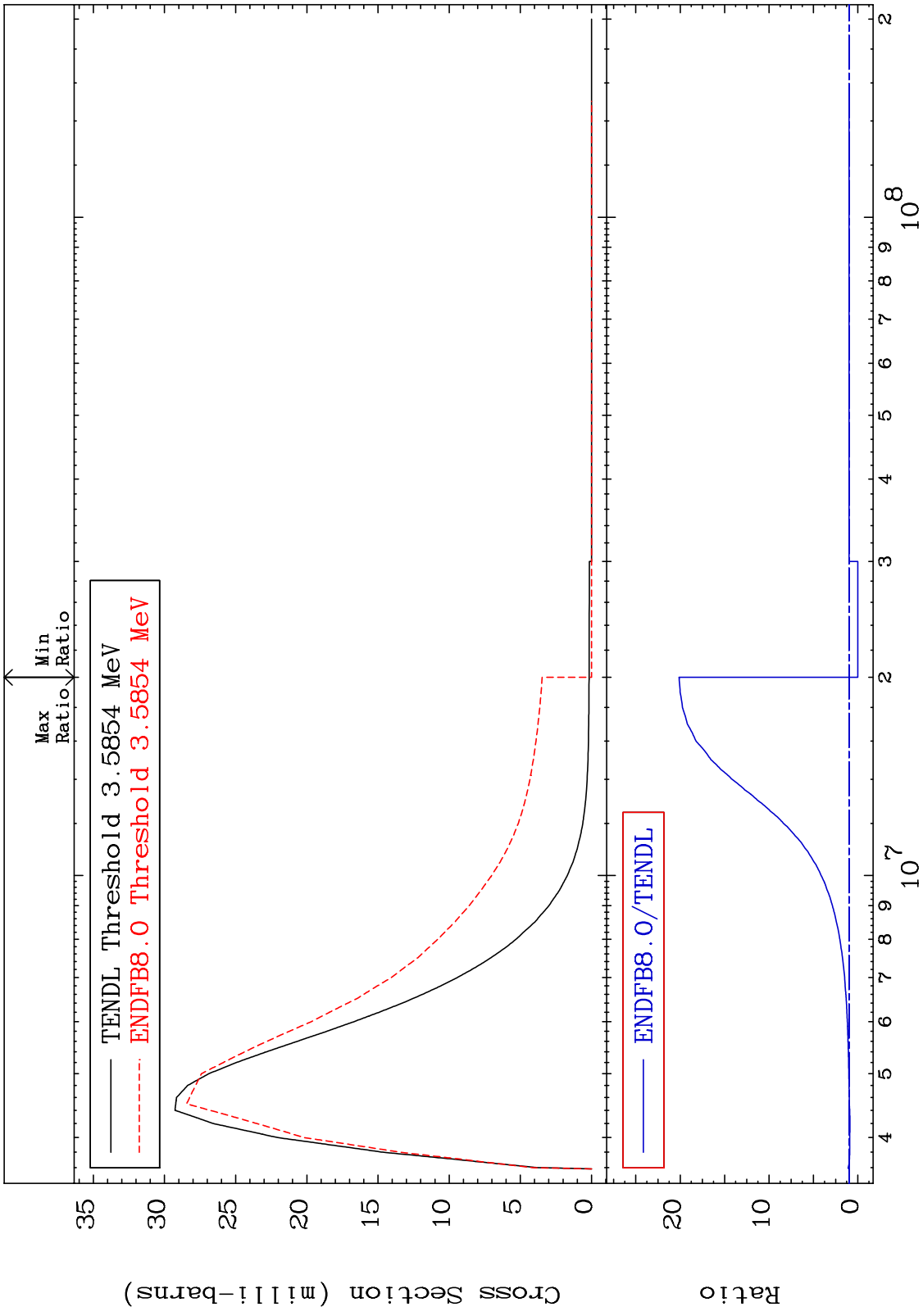
MAT 2825

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

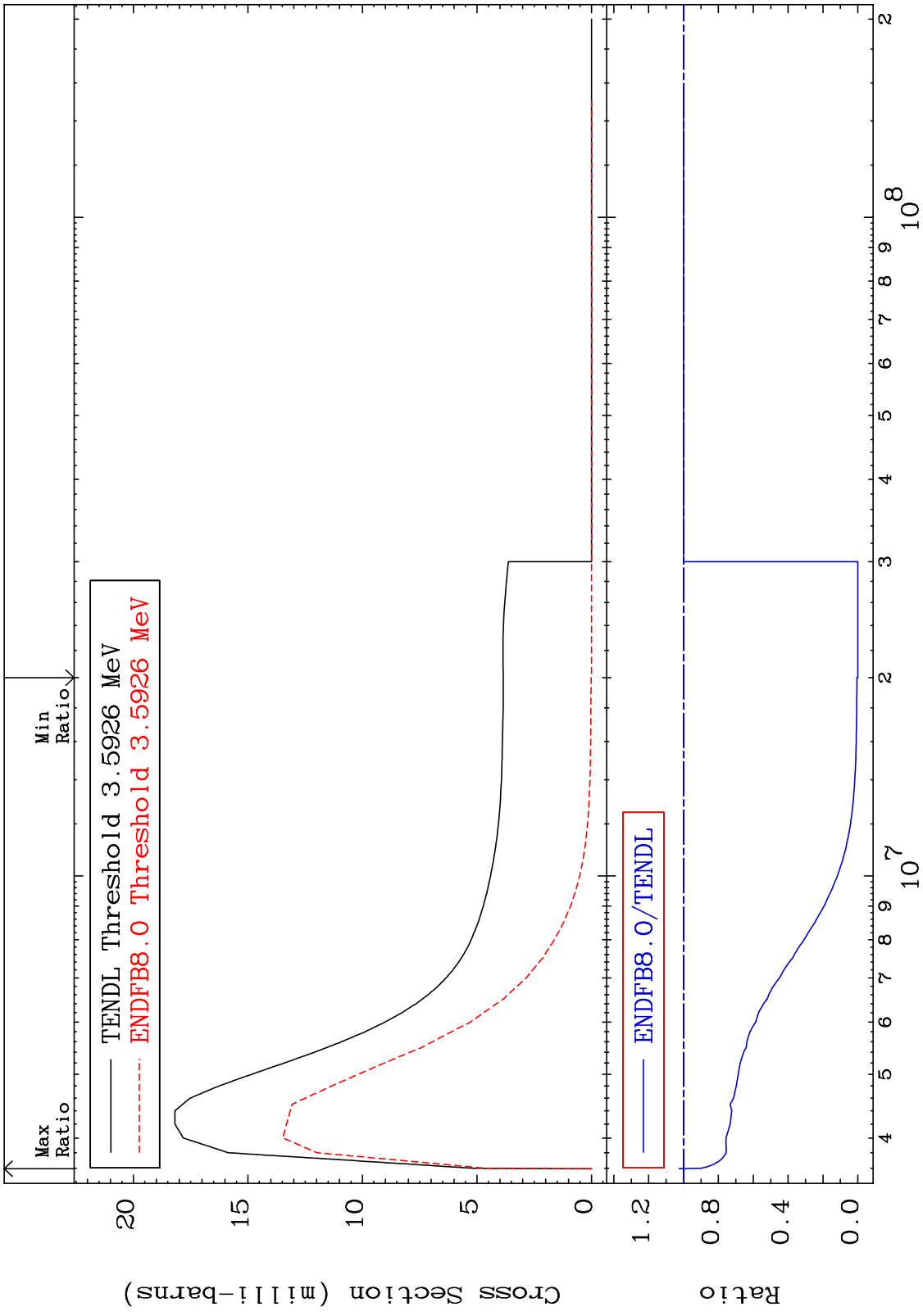
28-Ni-58  
-100.0 To 24.48 %



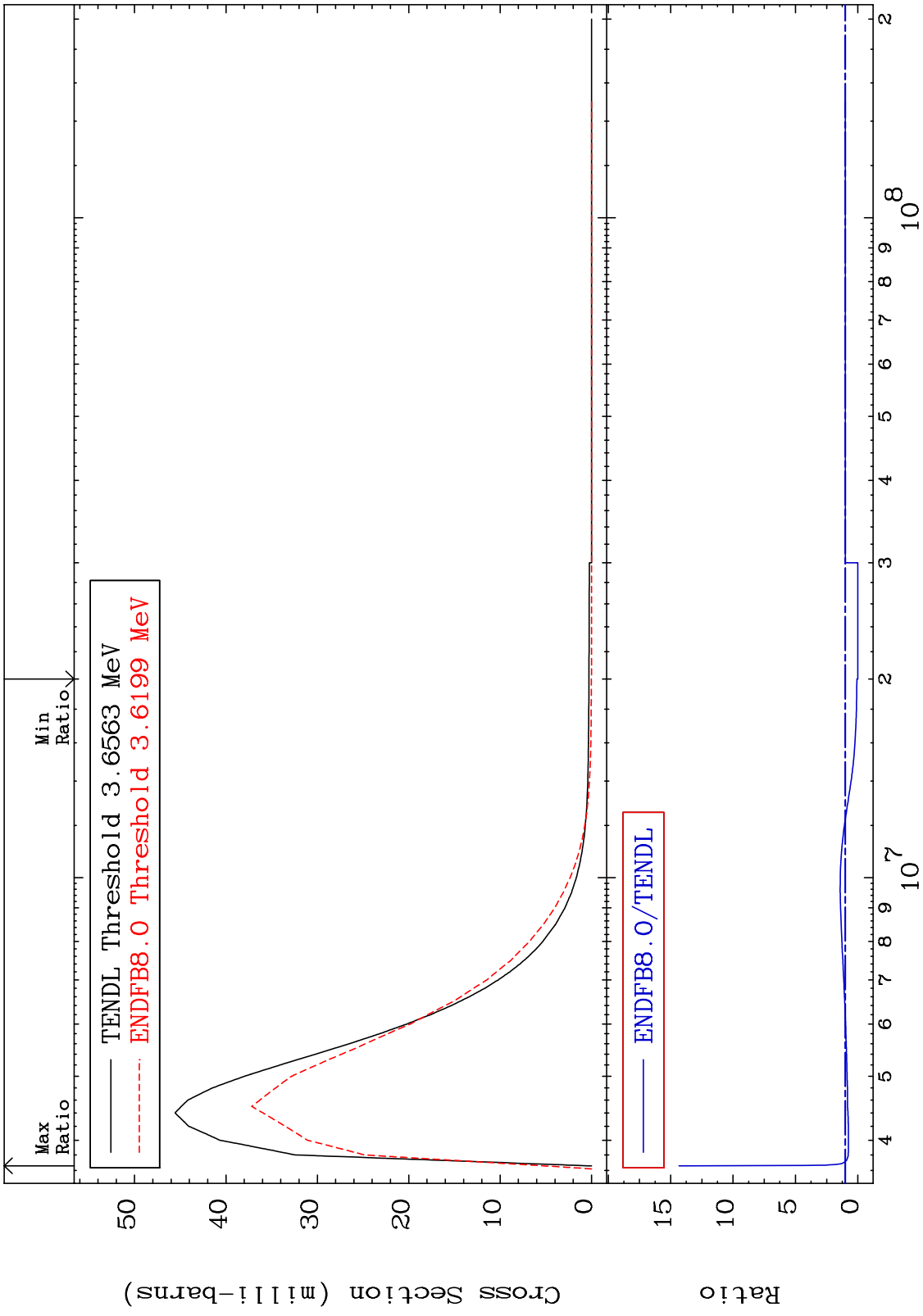
MAT 2825 MT= 62 (n,n') Level Cross Section -100.0 To 1913. % 28-Ni-58



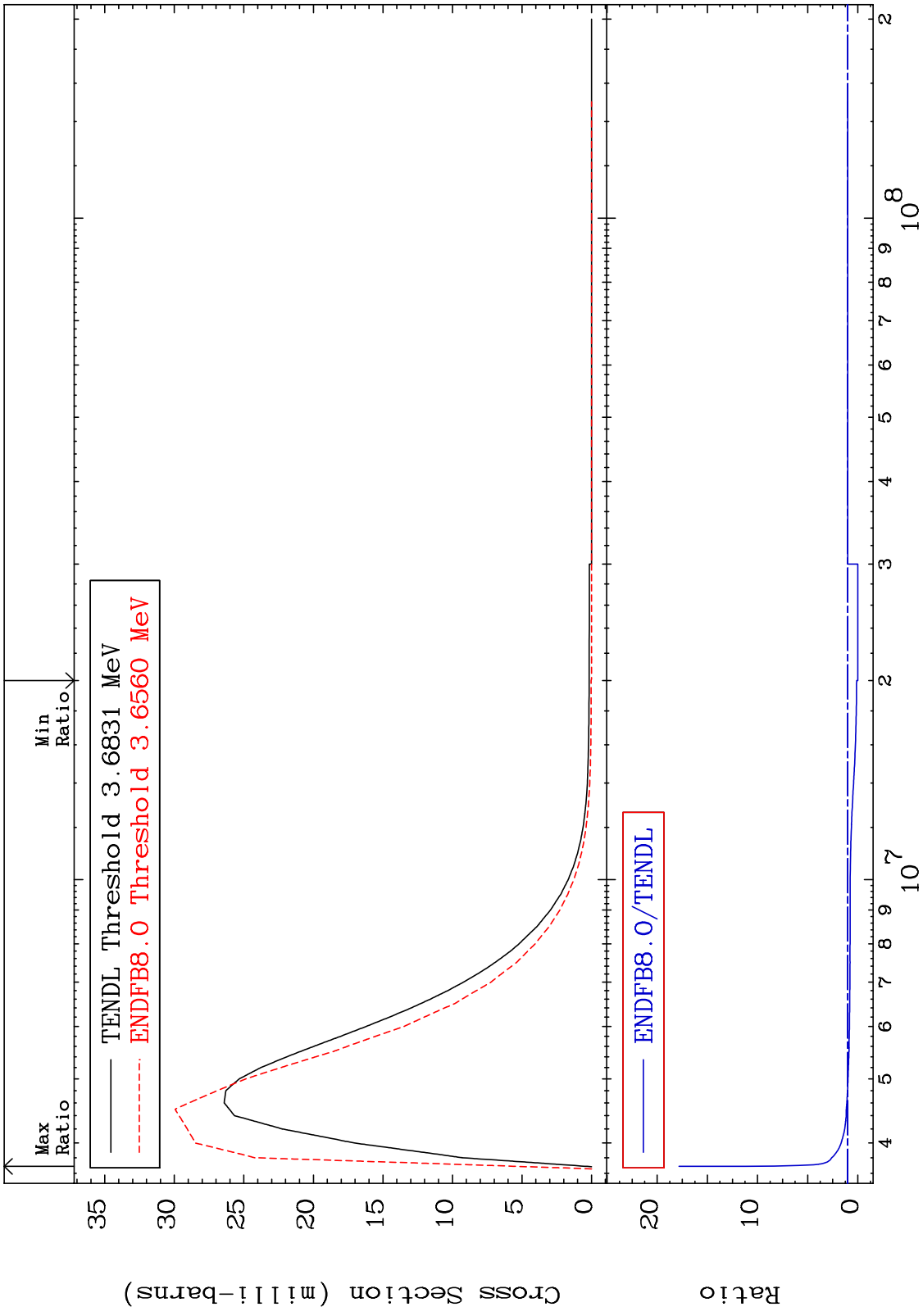
MAT 2825 MT= 63 (n,n') Level Cross Section -100.0 To 2.567 % 28-Ni-58



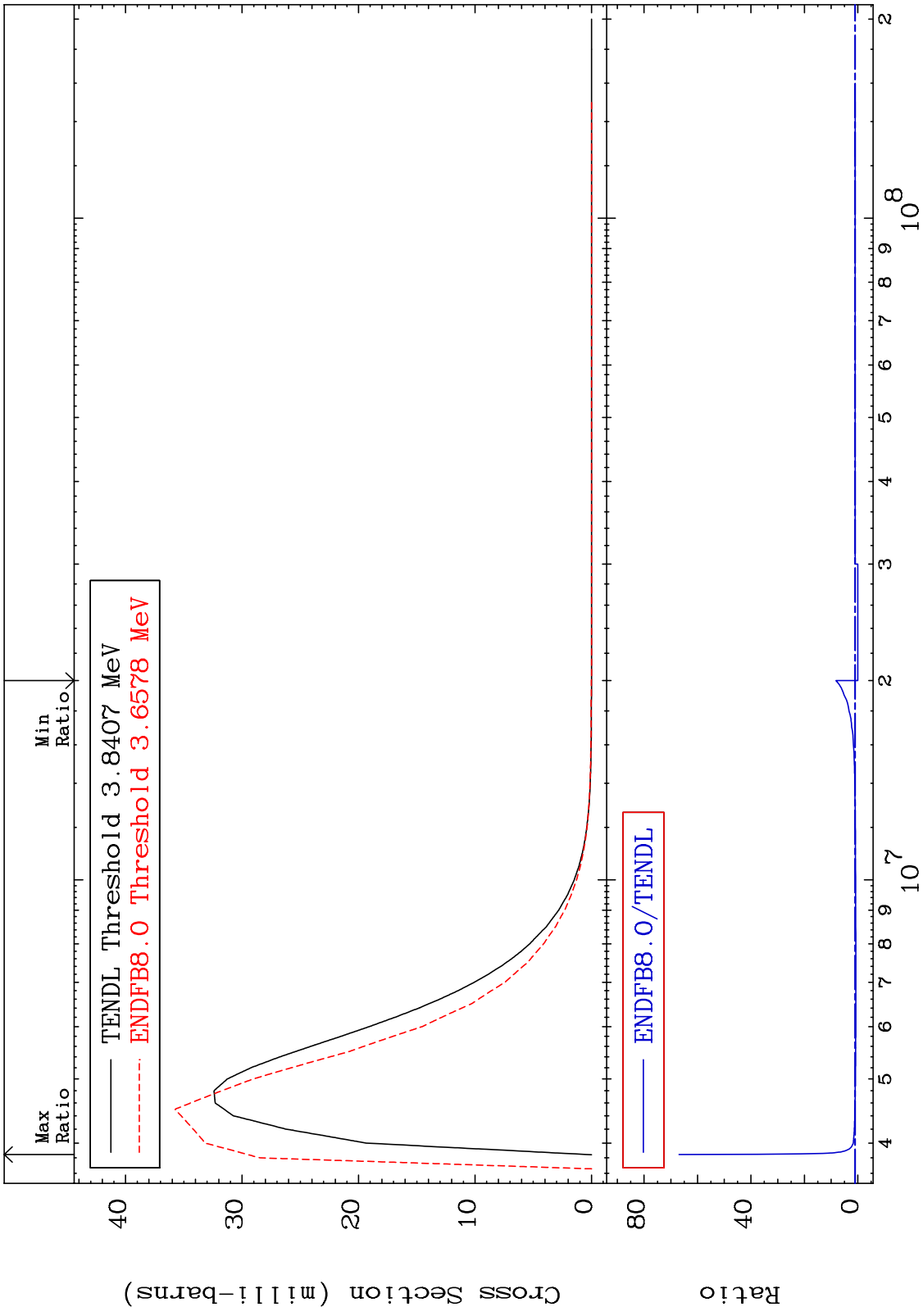
MAT 2825 MT= 64 (n,n') Level Cross Section -100.0 To 1333. % 28-Ni-58



MAT 2825 MT= 65 (n,n') Level Cross Section -100.0 To 1682. % 28-Ni-58

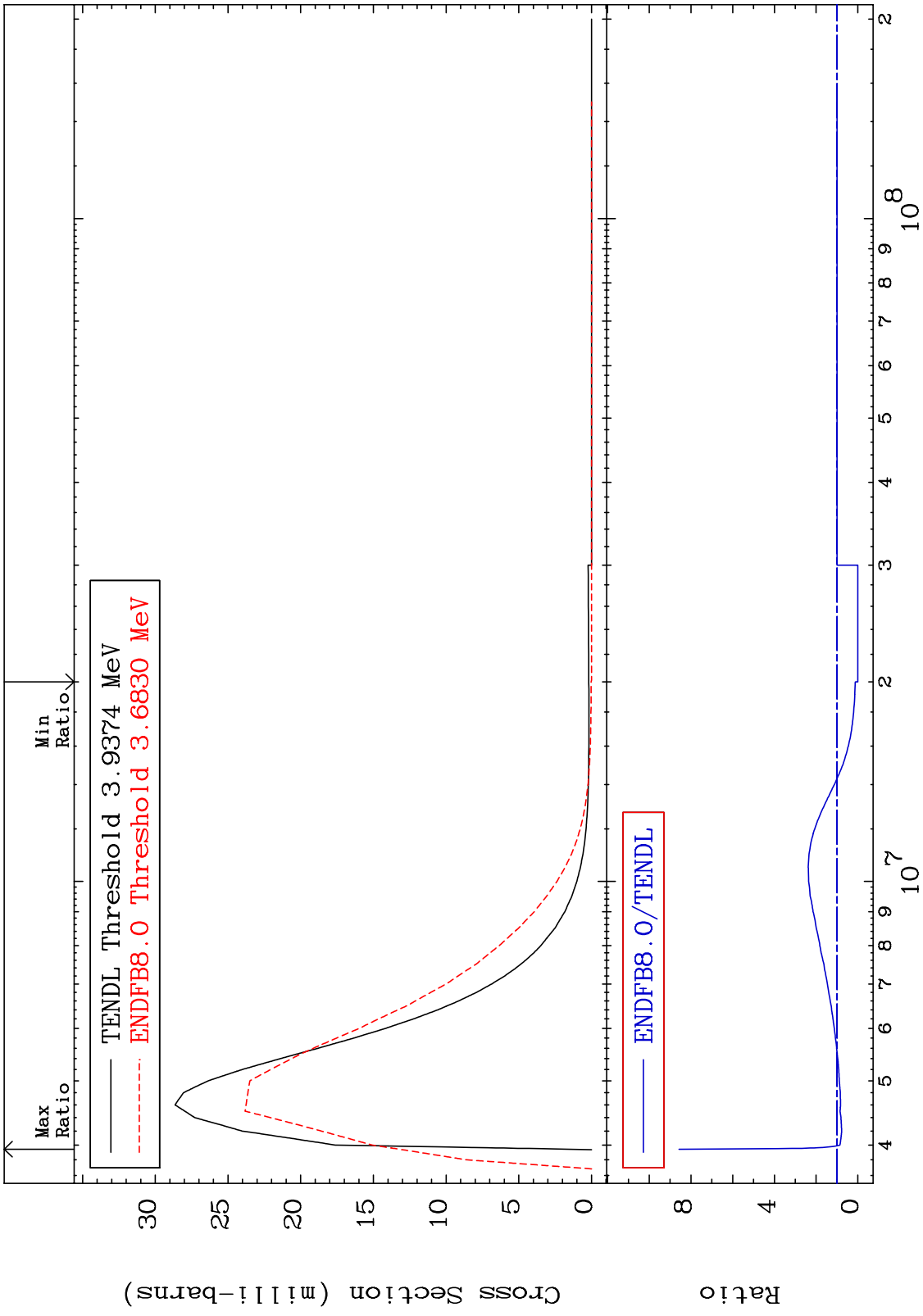


MAT 2825 MT= 66 (n,n') Level Cross Section -100.0 To 6592. % 28-Ni-58

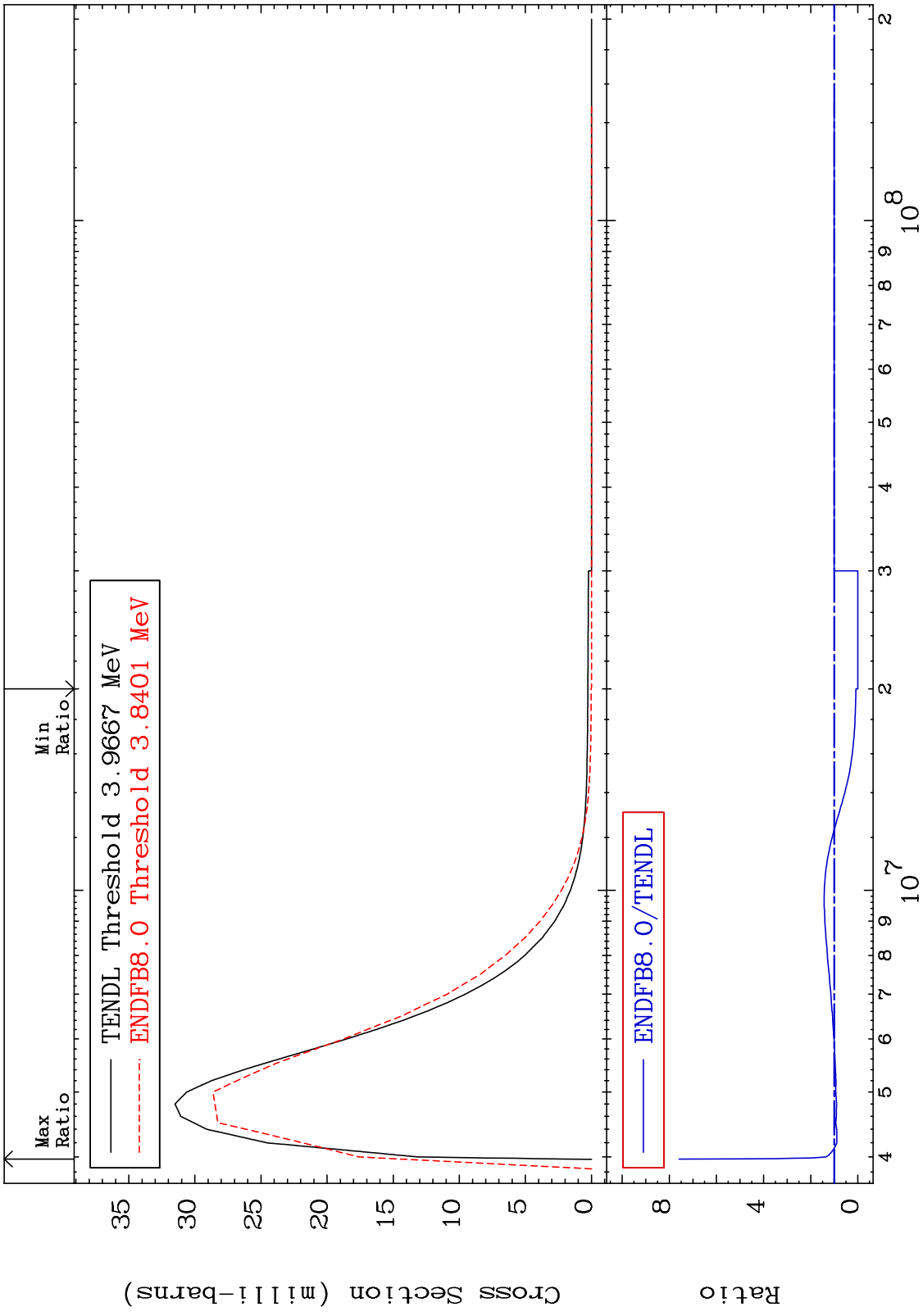




MAT 2825 MT= 67 (n,n') Level Cross Section -100.0 To 757.2 % 28-Ni-58

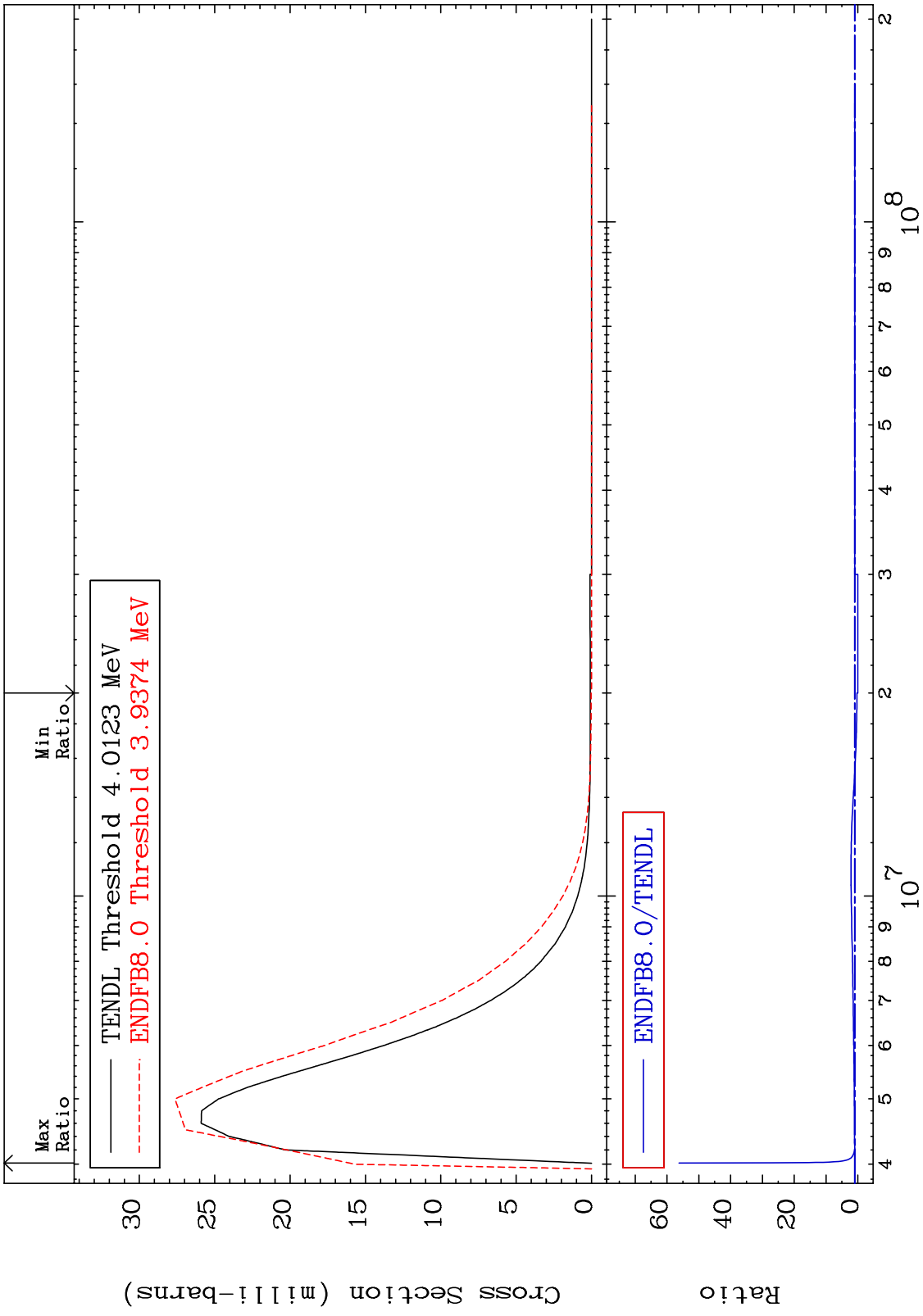


MAT 2825 MT= 68 (n,n') Level Cross Section -100.0 To 658.7 % 28-Ni-58

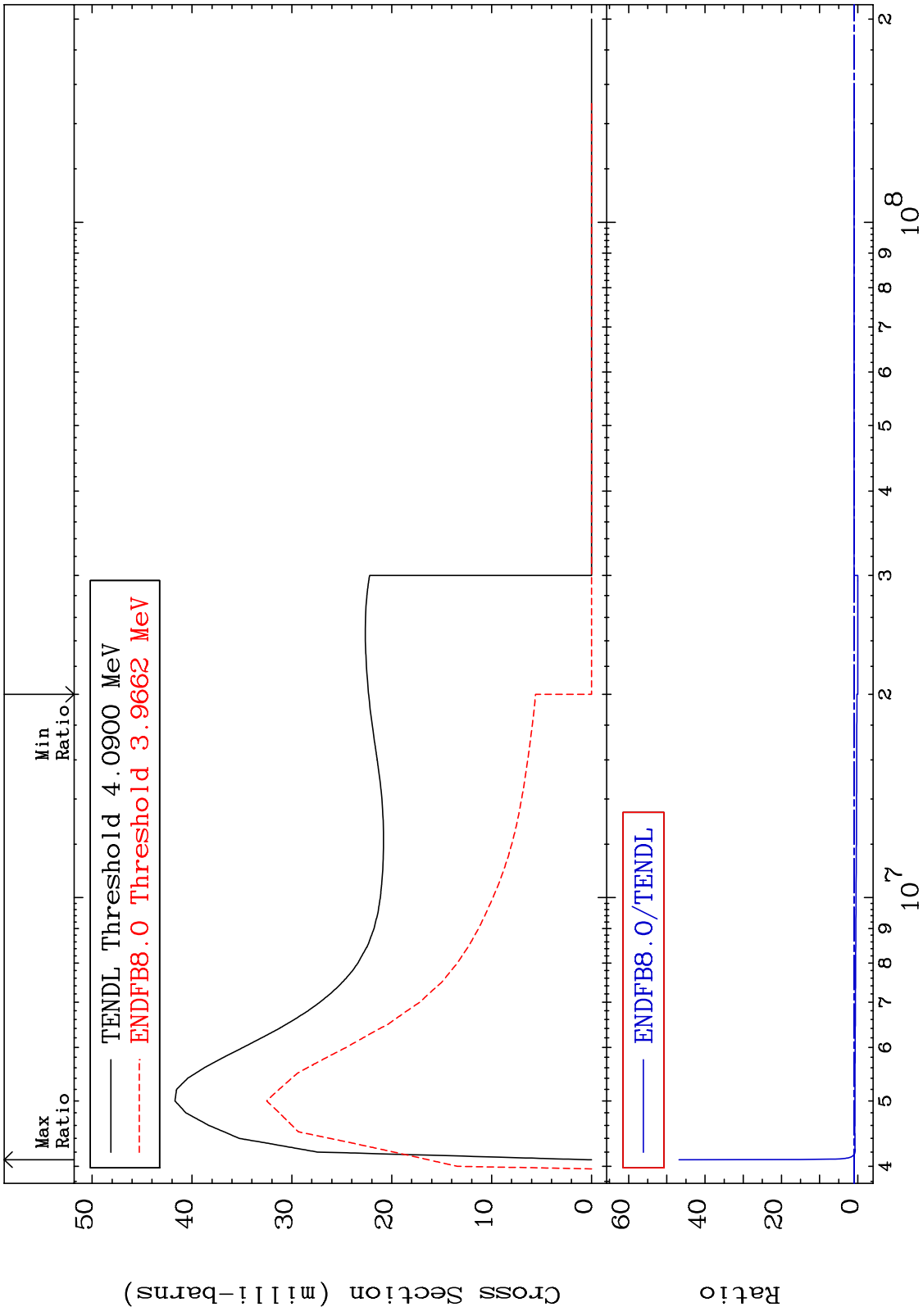


25 28-Ni-58

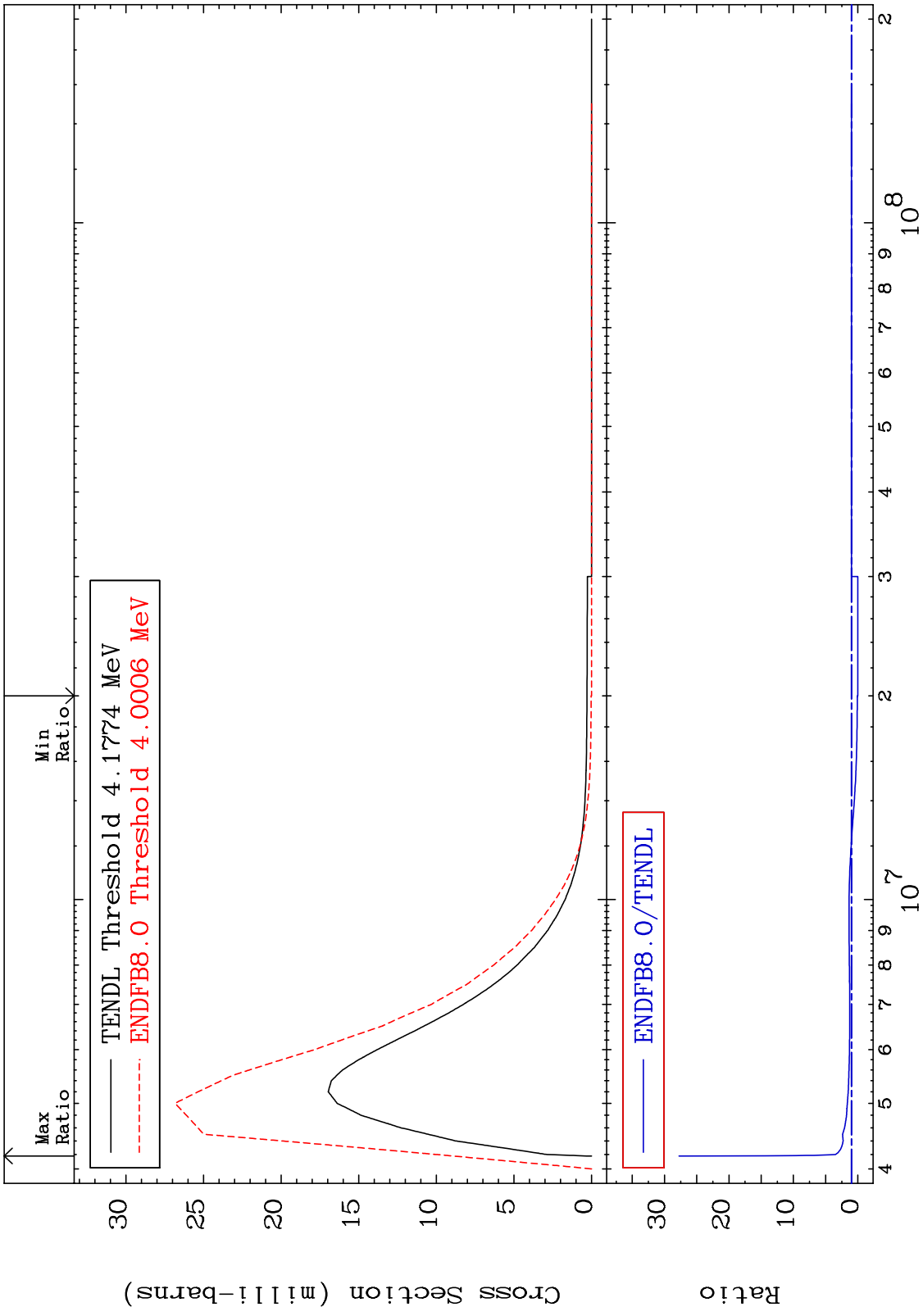
MAT 2825 MT= 69 (n,n') Level Cross Section 28-Ni-58  
 -100.0 To 5520. %



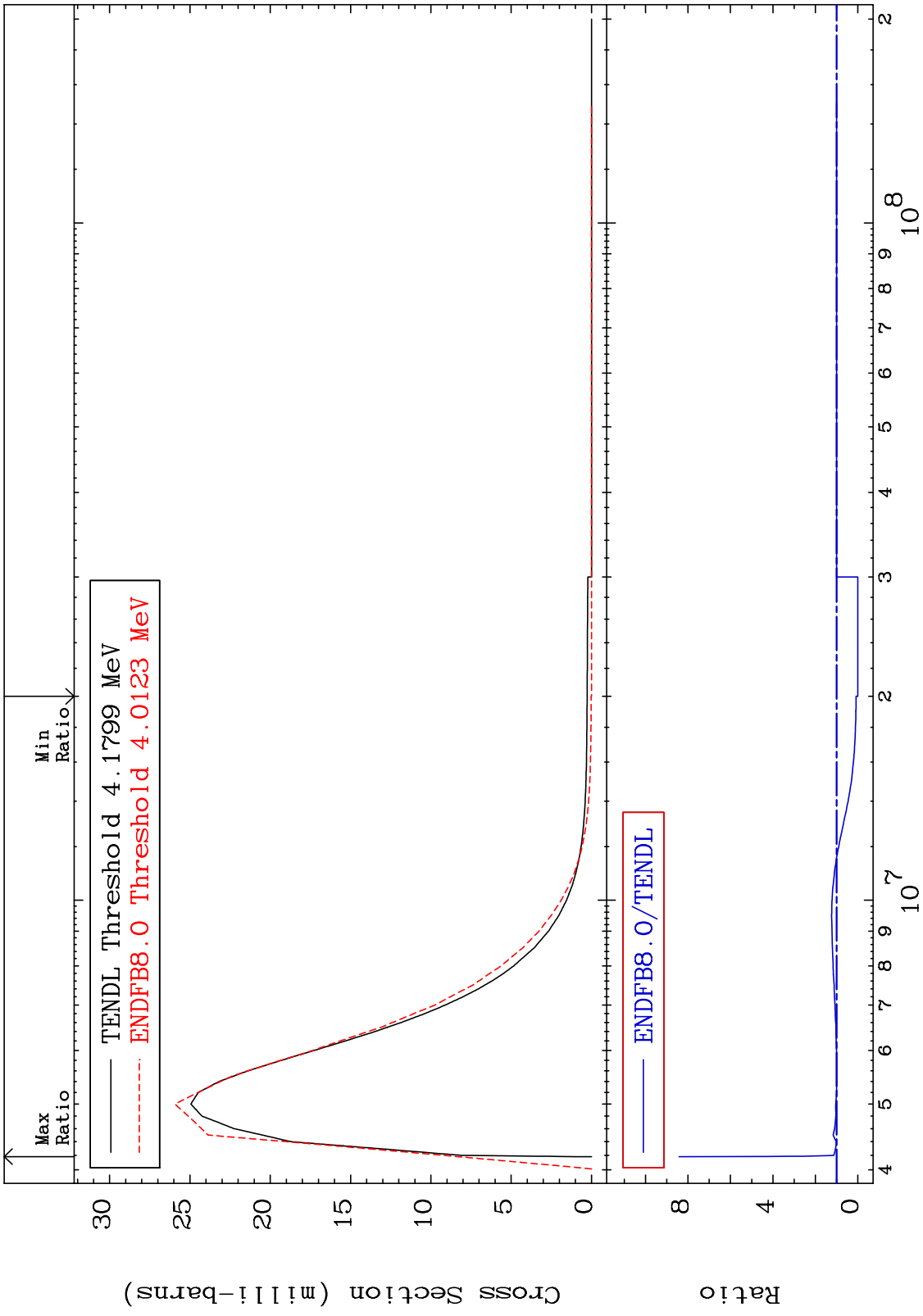
MAT 2825 MT= 70 (n,n') Level Cross Section -100.0 To 4580. % 28-Ni-58



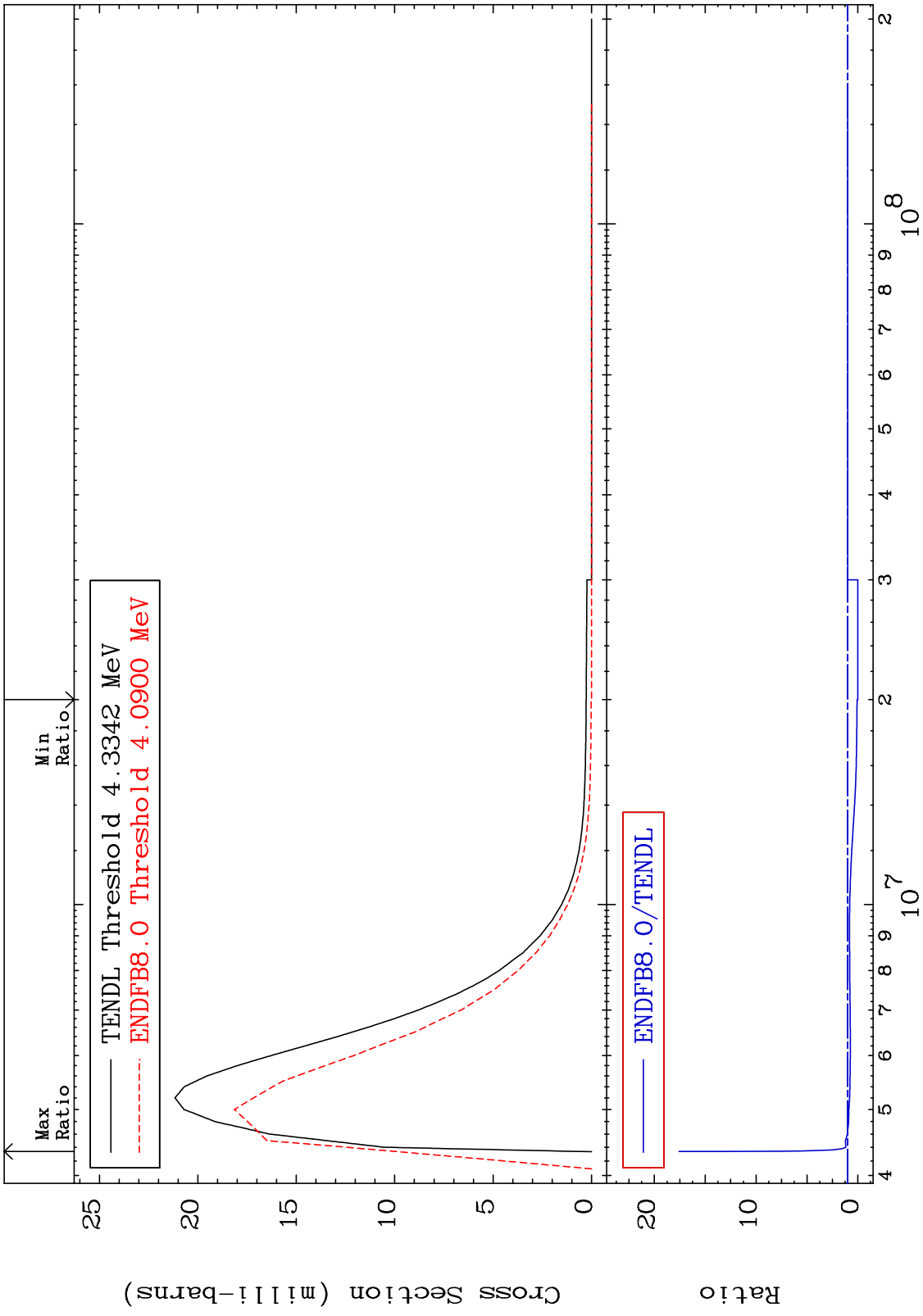
MAT 2825 MT= 71 (n,n') Level Cross Section -100.0 To 2674. % 28-Ni-58



MAT 2825 MT= 72 (n,n') Level Cross Section -100.0 To 742.0 % 28-Ni-58

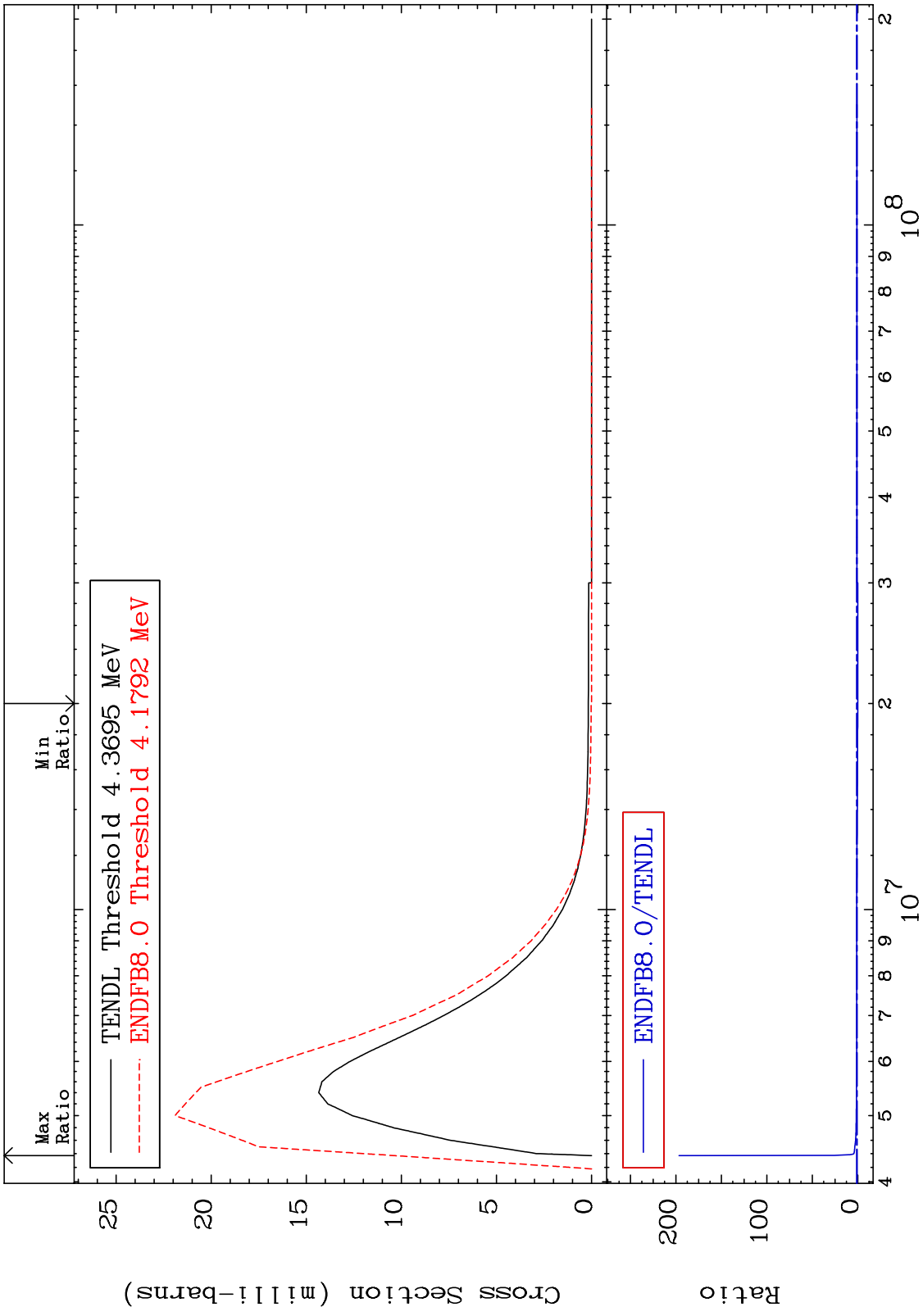


MAT 2825 MT= 73 (n,n') Level Cross Section 28-Ni-58  
 -100.0 To 1657. %



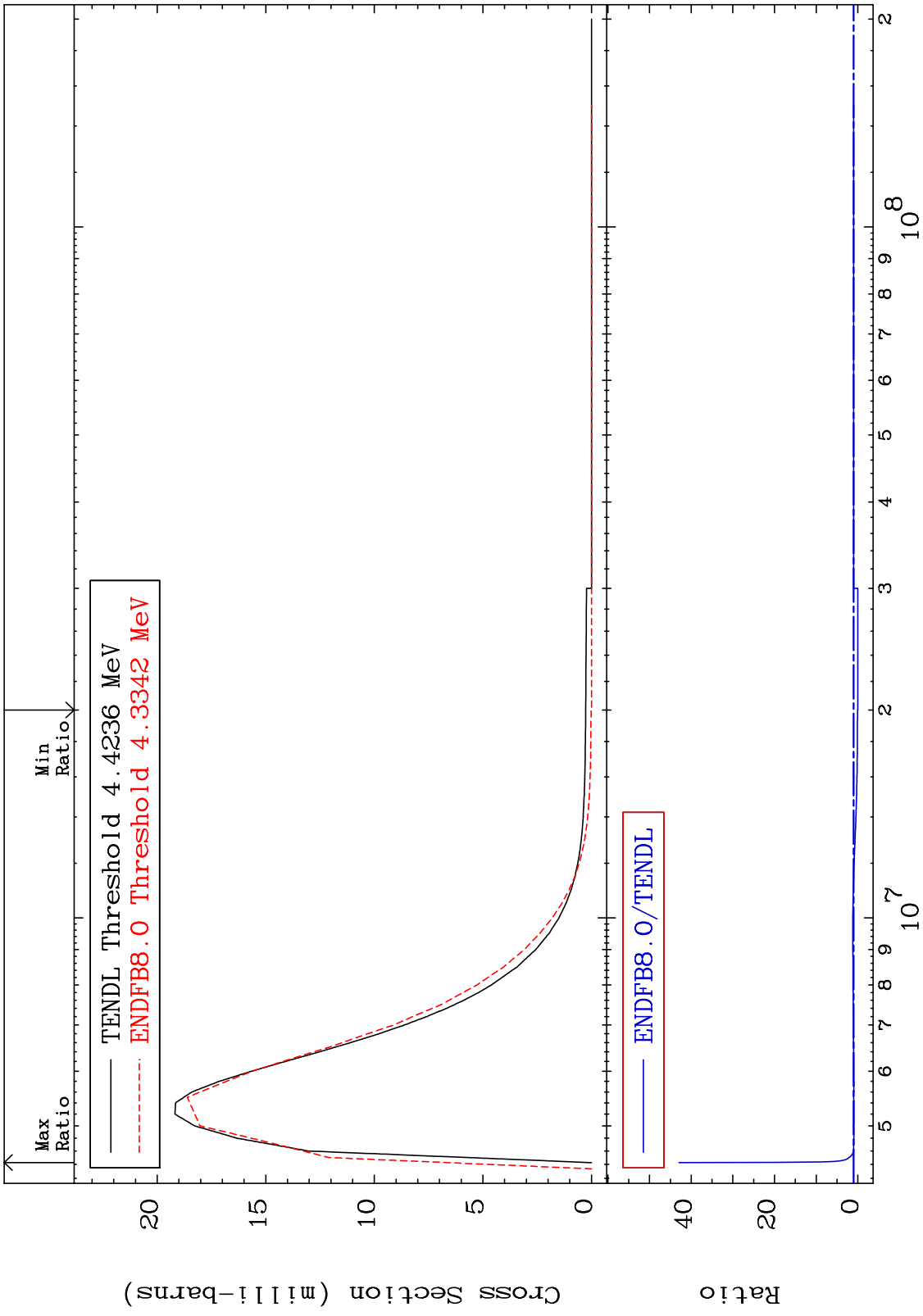
30 Incident Energy (eV) 28-Ni-58

MAT 2825 MT= 74 (n,n') Level Cross Section -100.0 To 9999. % 28-Ni-58

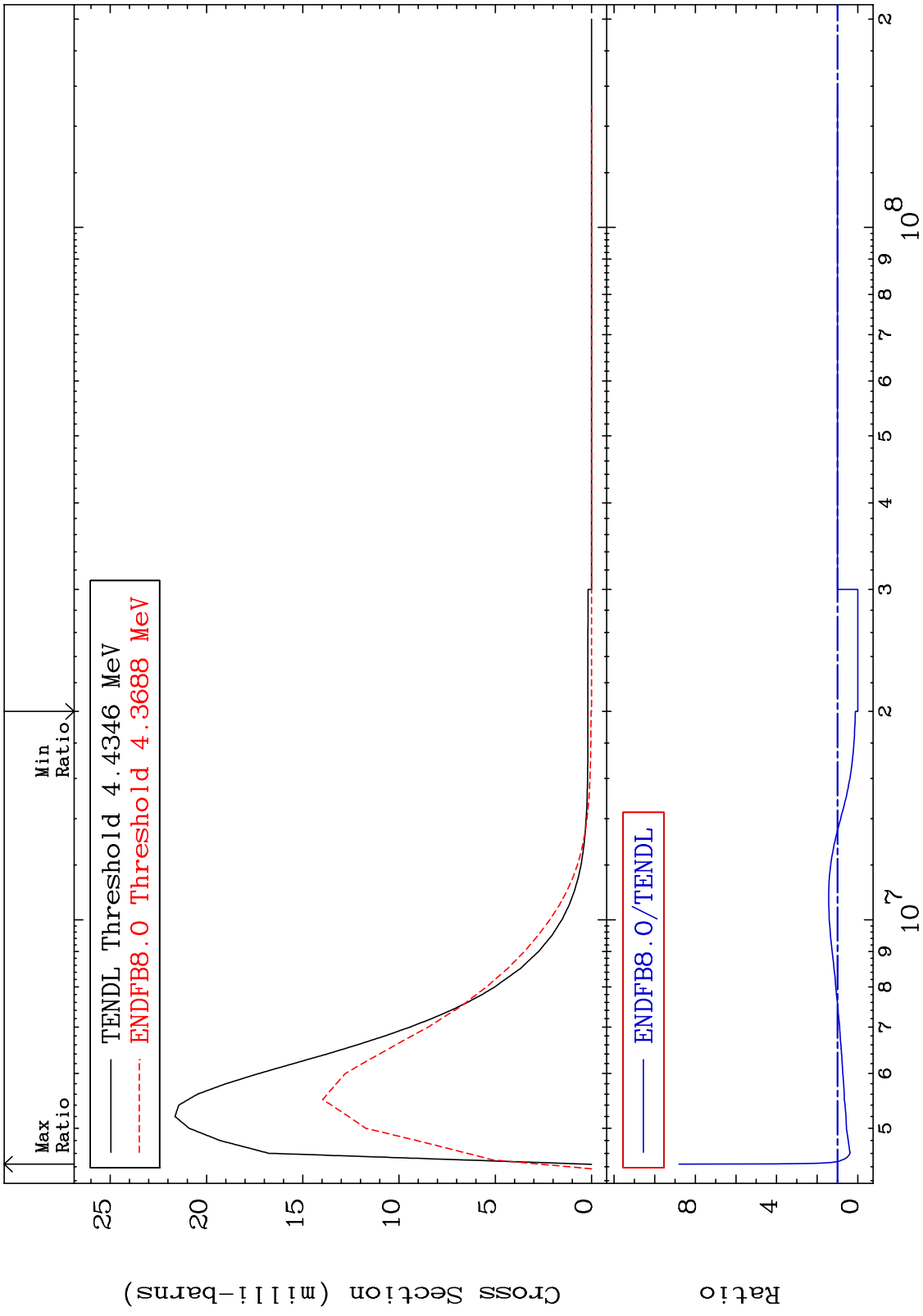




MAT 2825 MT= 75 (n,n') Level Cross Section -100.0 To 4191. % 28-Ni-58



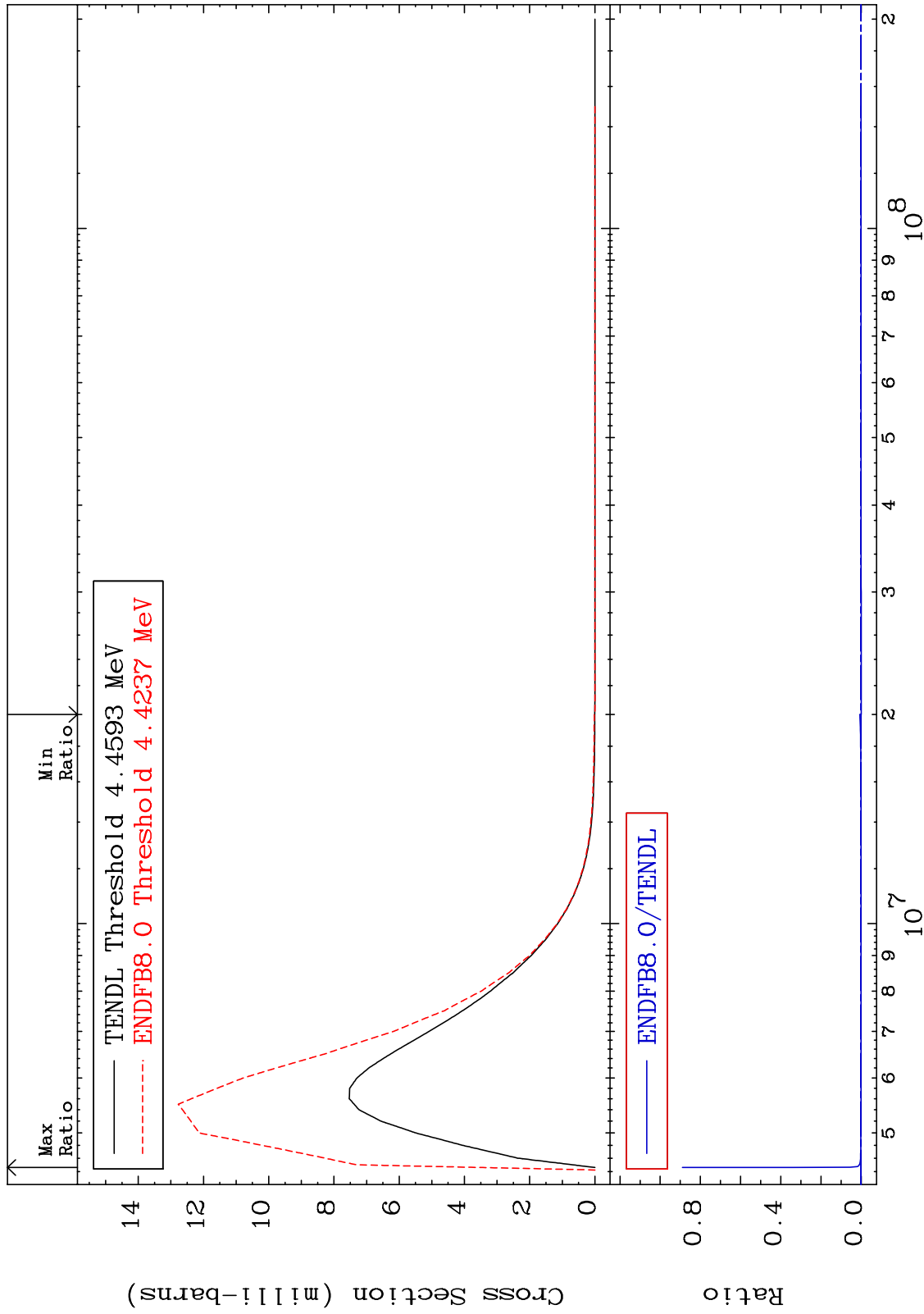
MAT 2825 MT= 76 (n,n') Level Cross Section -100.0 To 779.9 % 28-Ni-58



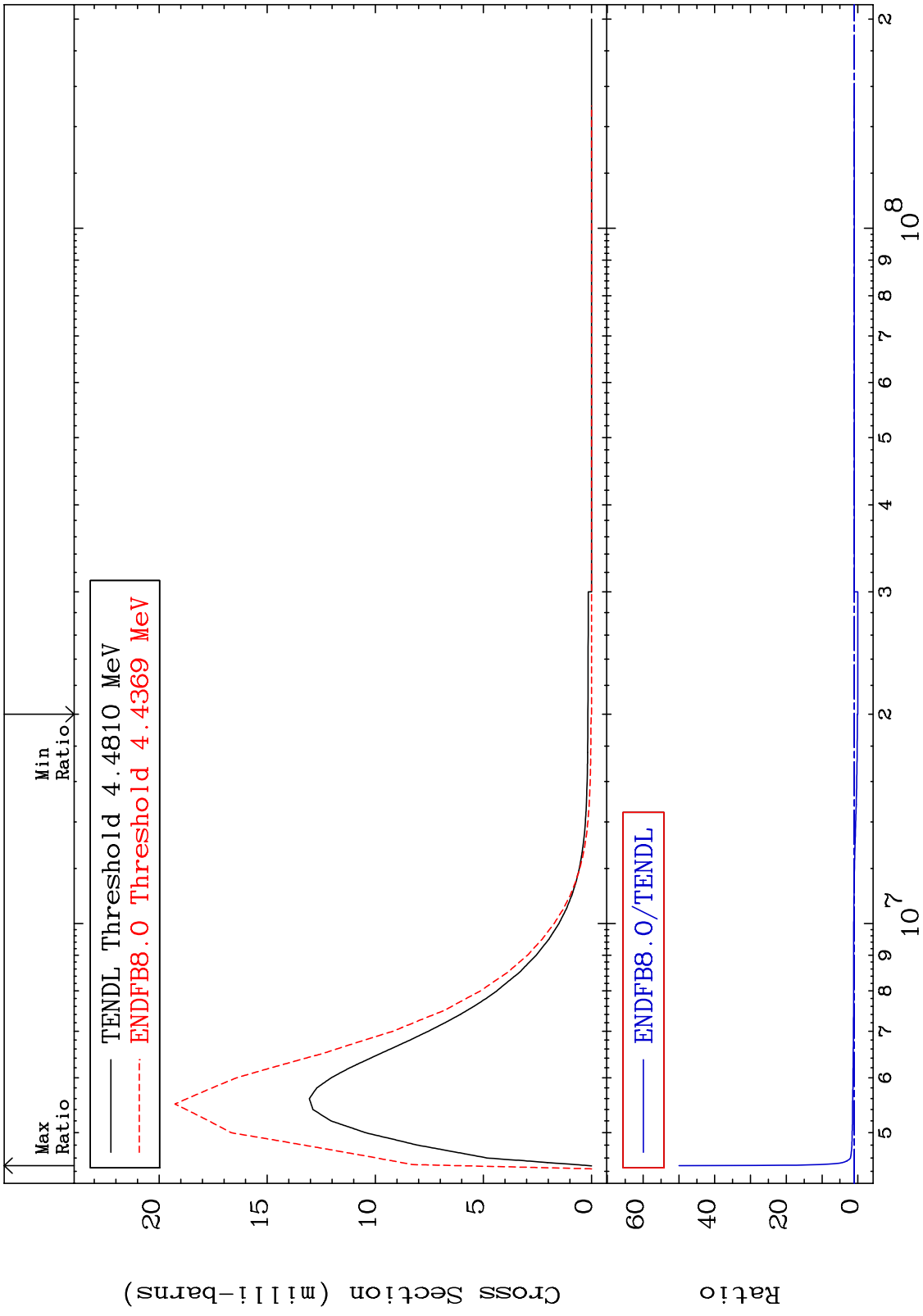
MAT 2825

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

28-Ni-58  
-100.0 To 9999. %



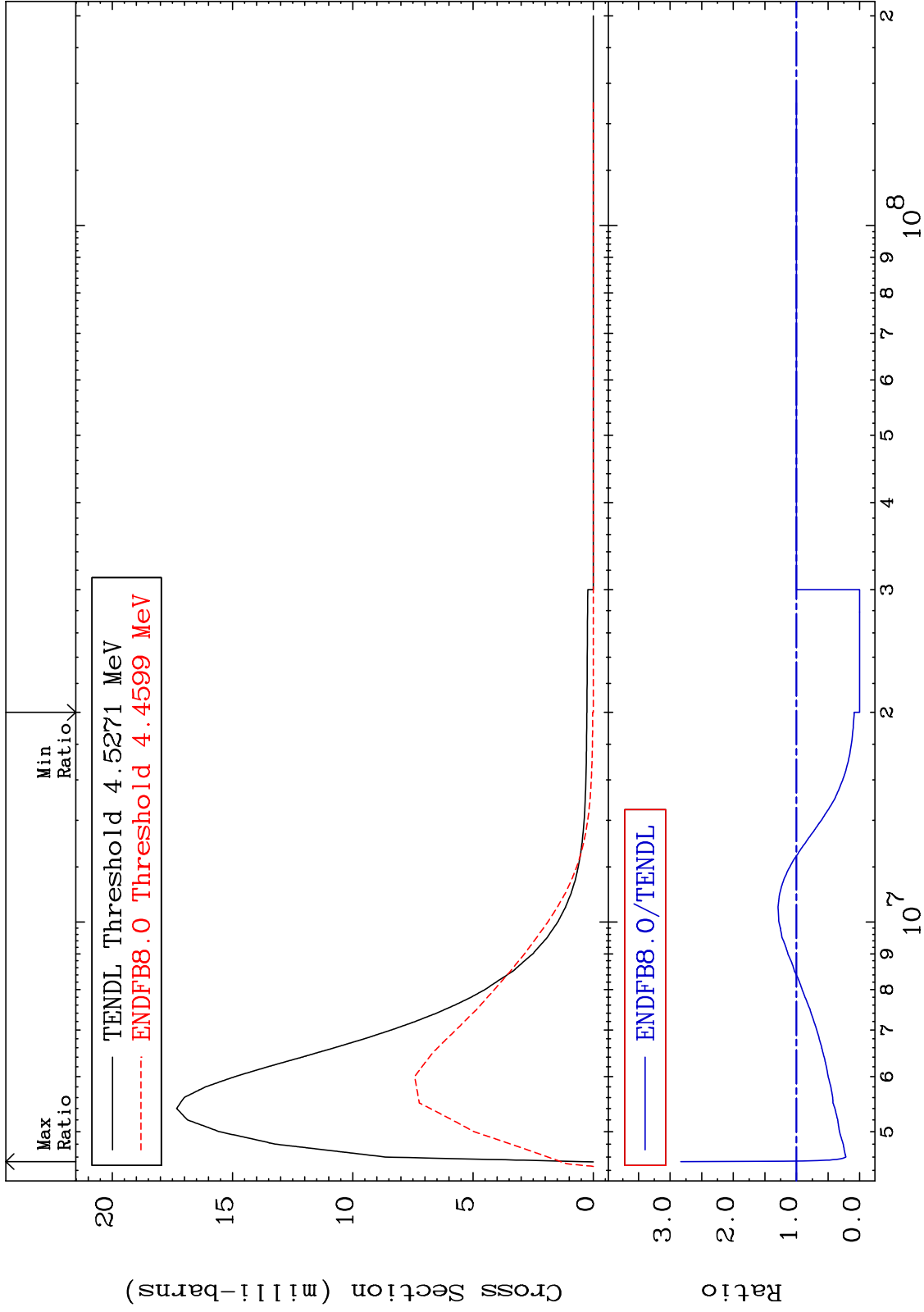
MAT 2825 MT= 78 (n,n') Level Cross Section 28-Ni-58  
 -100.0 To 4896. %



MAT 2825

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

28-Ni-58  
-100.0 To 183.1 %

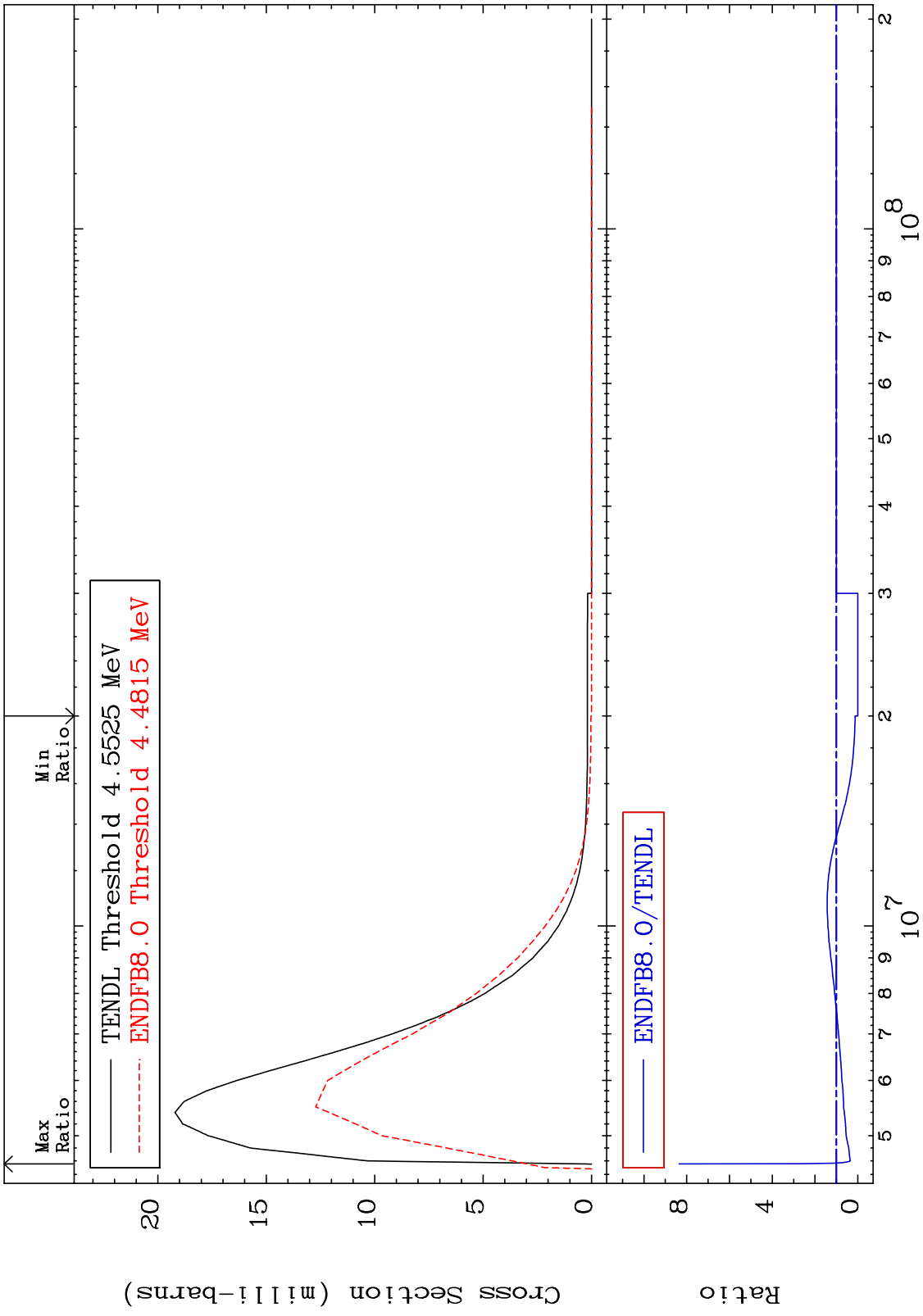


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Incident Energy (eV)

28-Ni-58

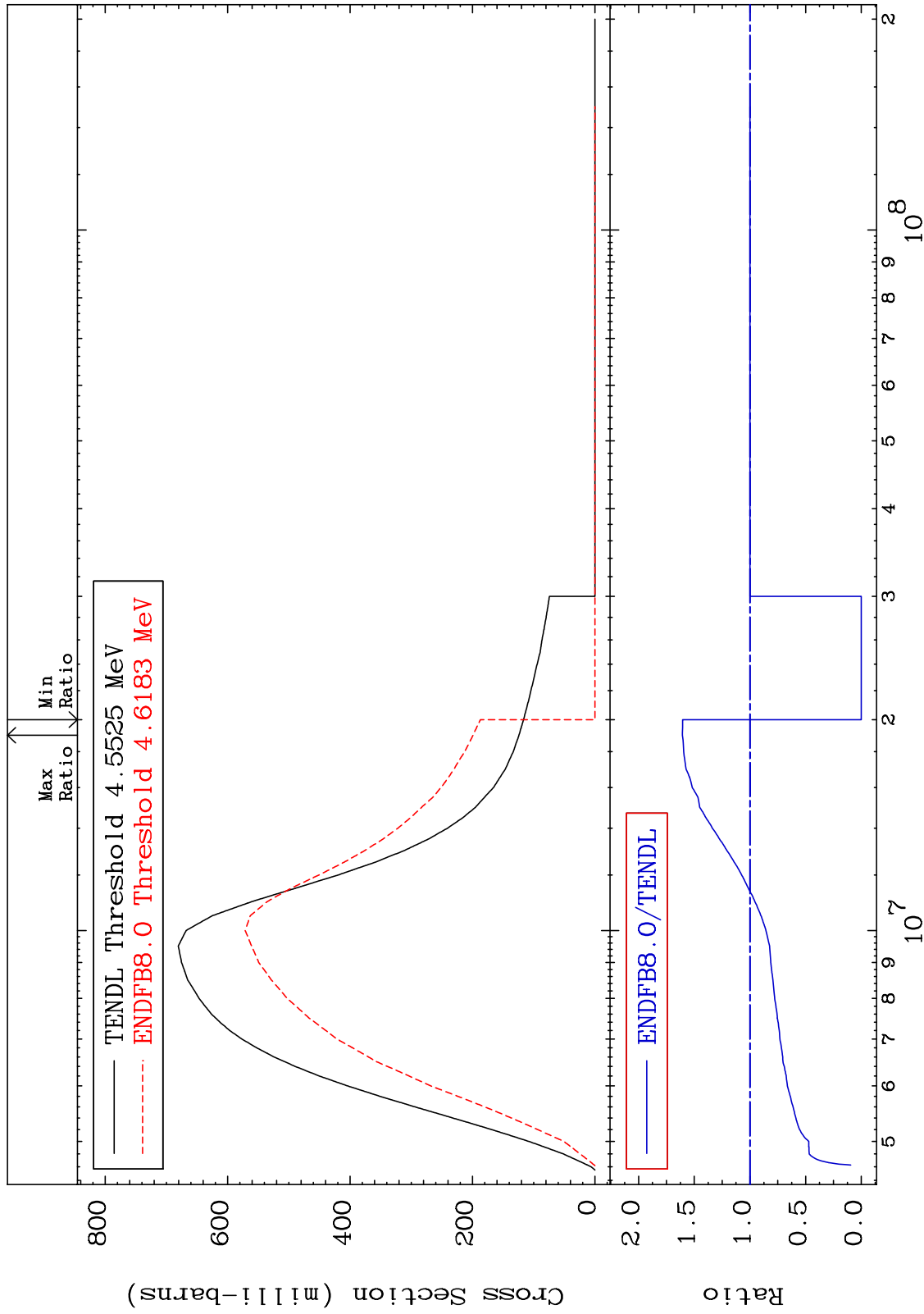
MAT 2825 MT= 80 (n,n') Level Cross Section -100.0 To 735.8 % 28-Ni-58



MAT 2825

(n,n') Continuum  
Cross Section

28-Ni-58  
-100.0 To 60.58 %



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Incident Energy (eV)

28-Ni-58

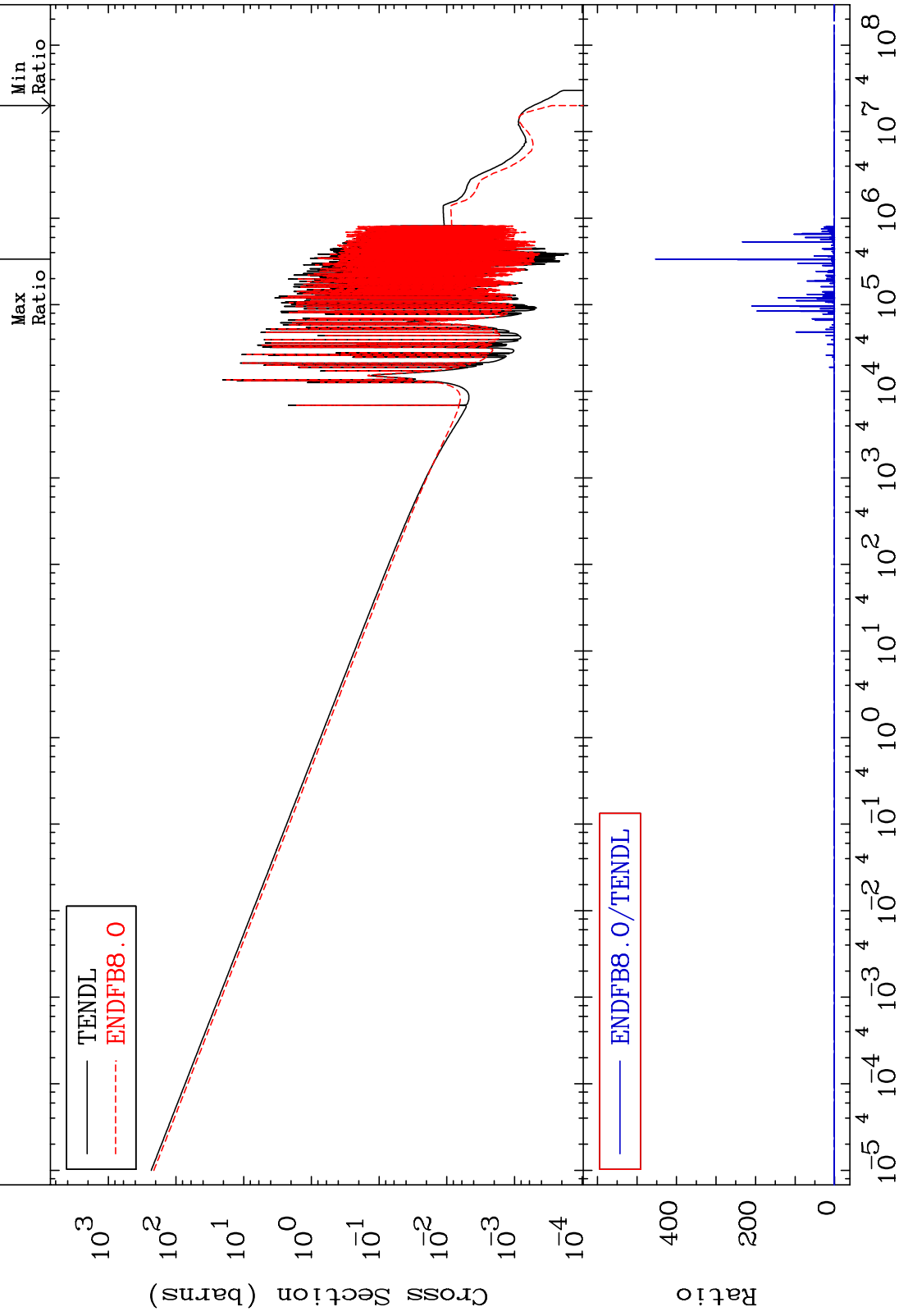
MAT 2825

(n,  $\gamma$ )

28-Ni-58

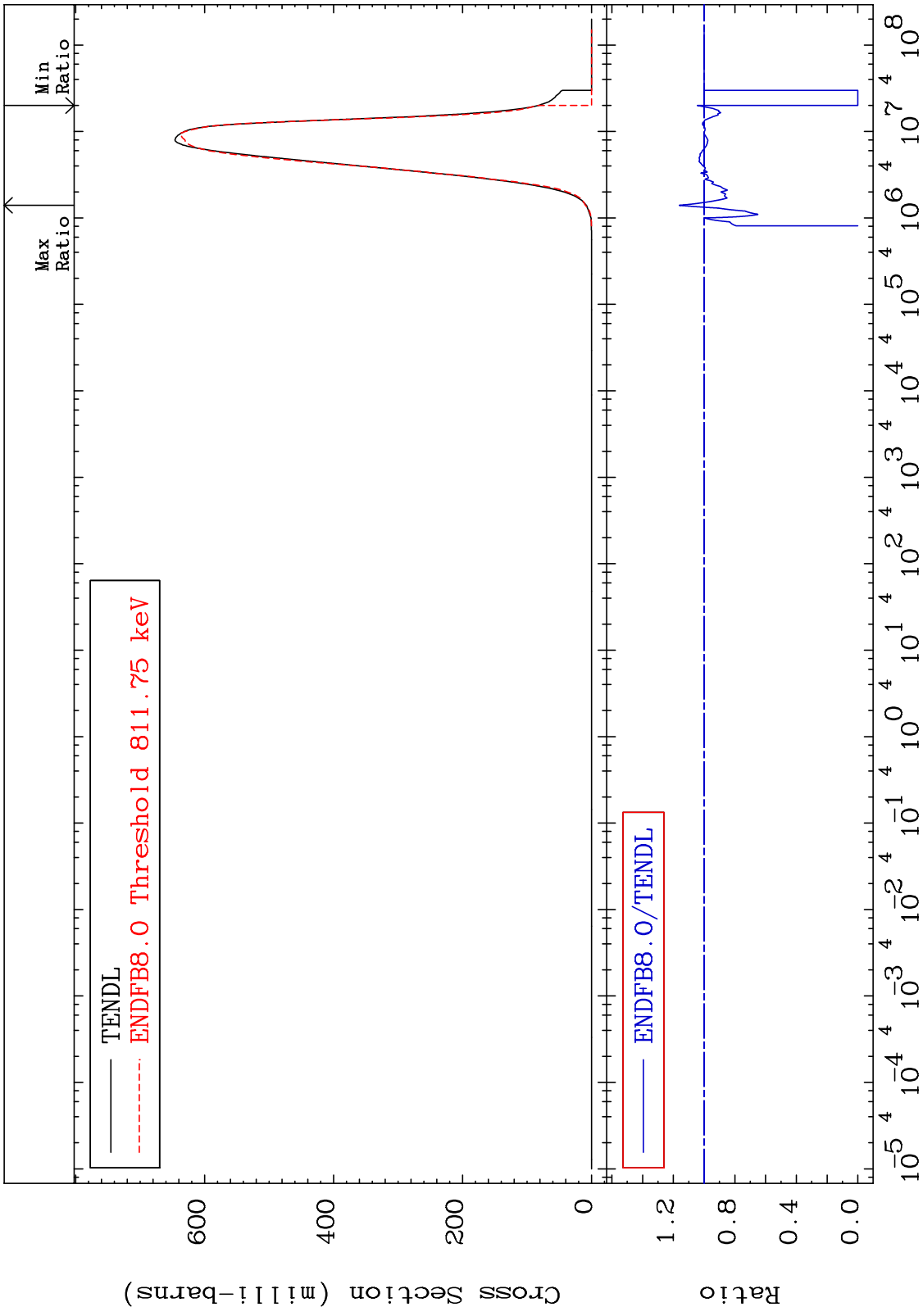
Cross Section

-100.0 To 9999. %

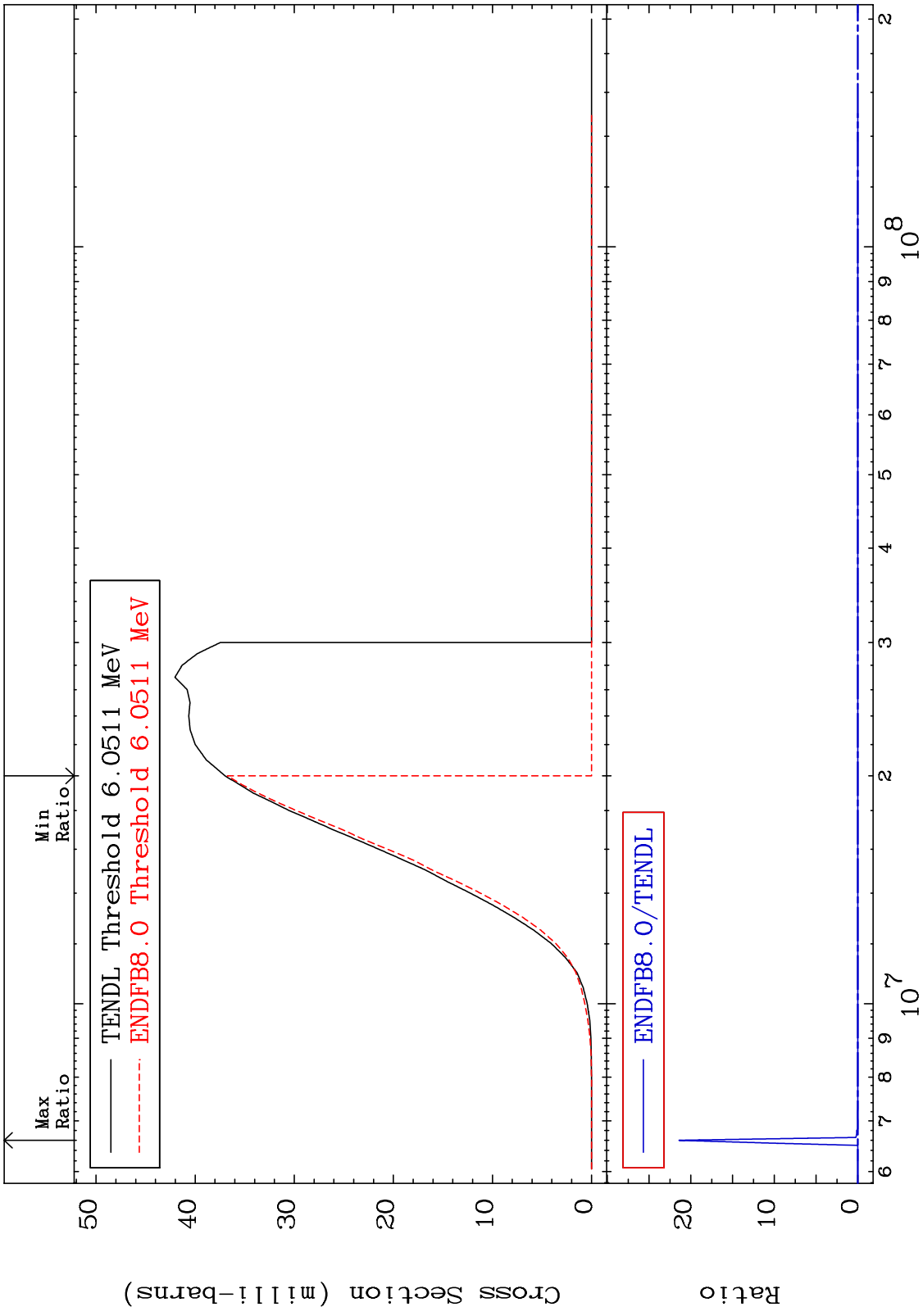


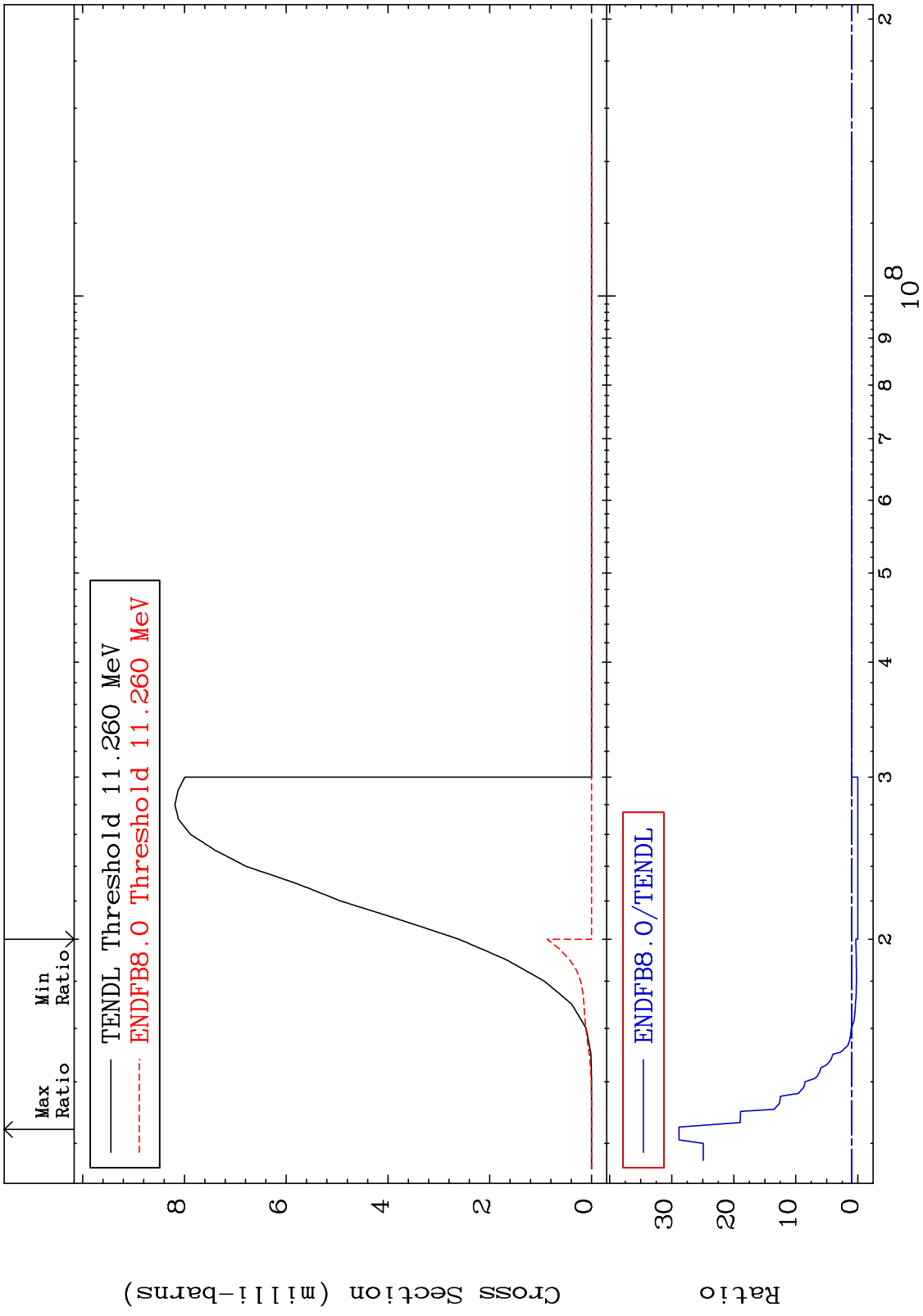


MAT 2825 (n,p) Cross Section 28-Ni-58  
-100.0 To 16.30 %



40 Incident Energy (eV) 28-Ni-58





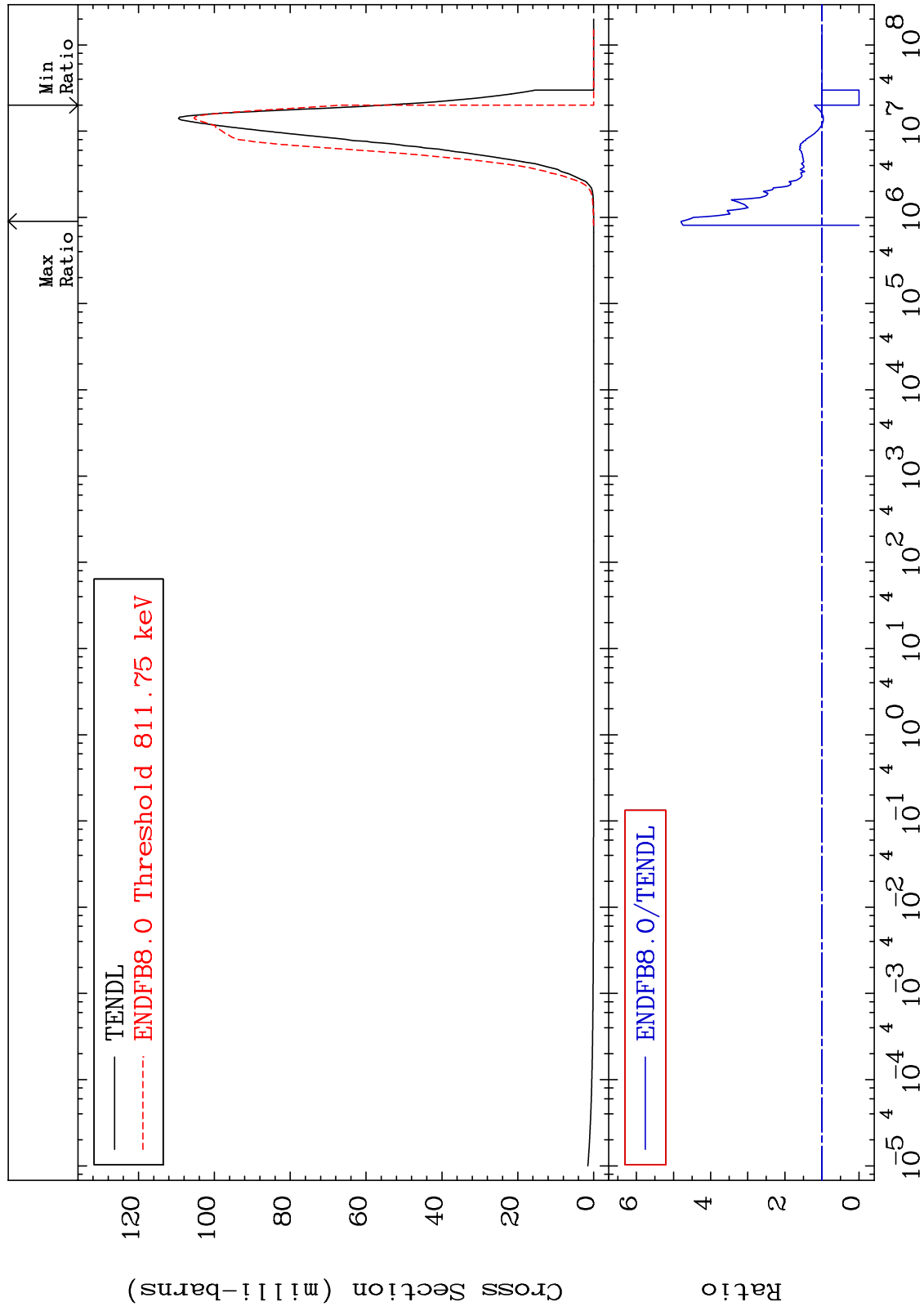
MAT 2825

(n,α)

28-Ni-58

Cross Section

-100.0 To 380.2 %

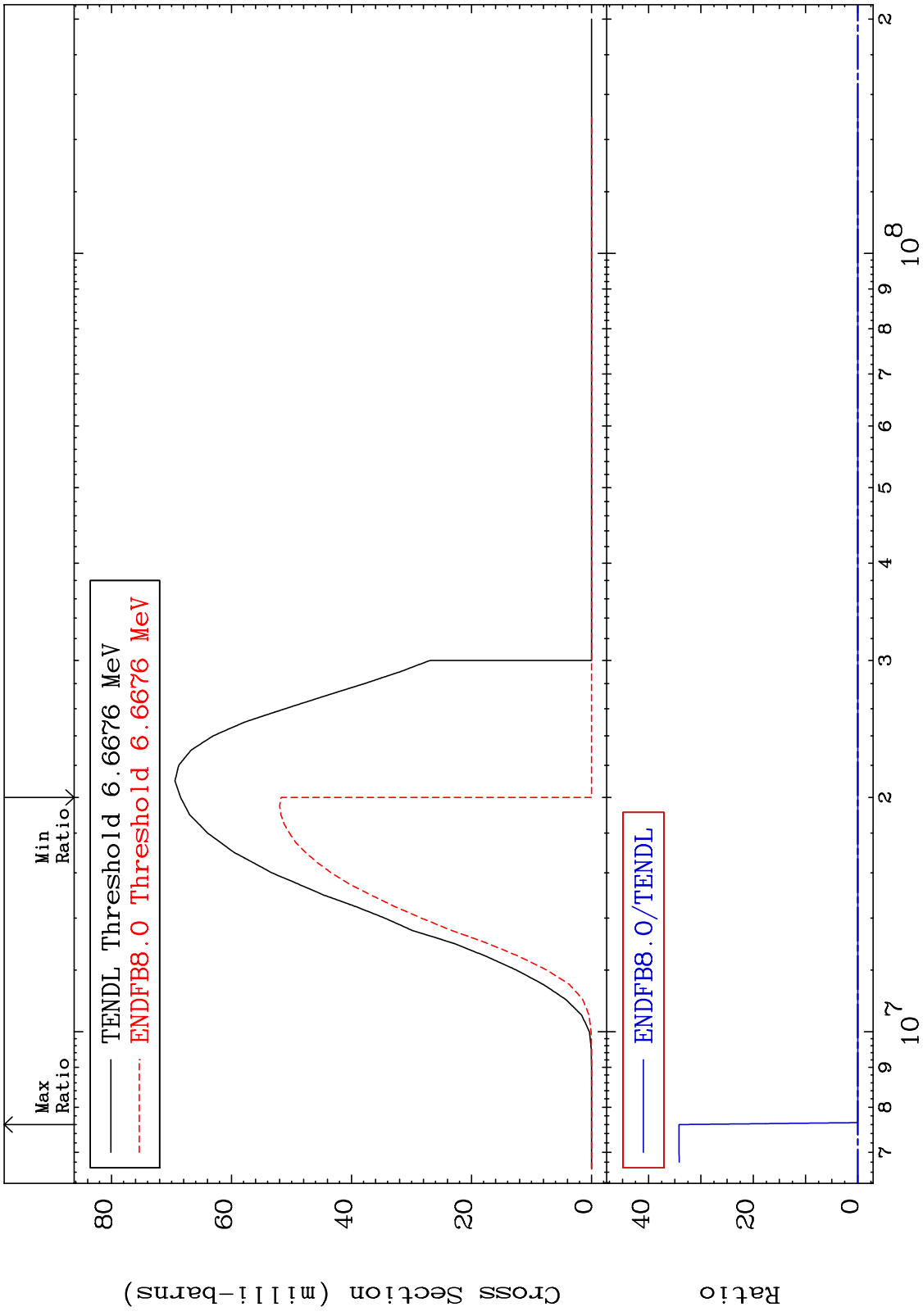


43

Incident Energy (eV)

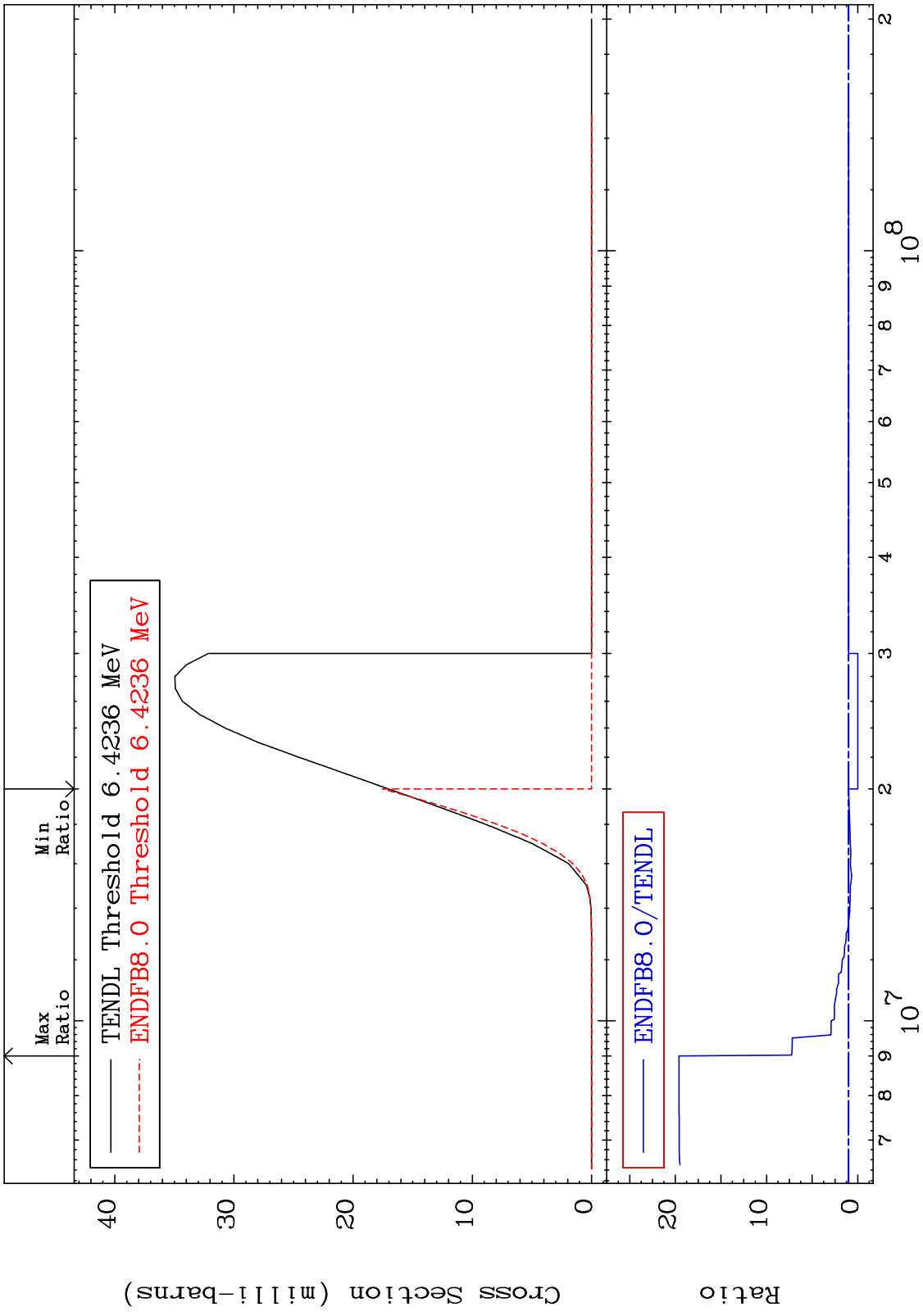
28-Ni-58

MAT 2825 (n,2p) Cross Section 28-Ni-58 -100.0 To 9999. %



44 28-Ni-58 Incident Energy (eV)

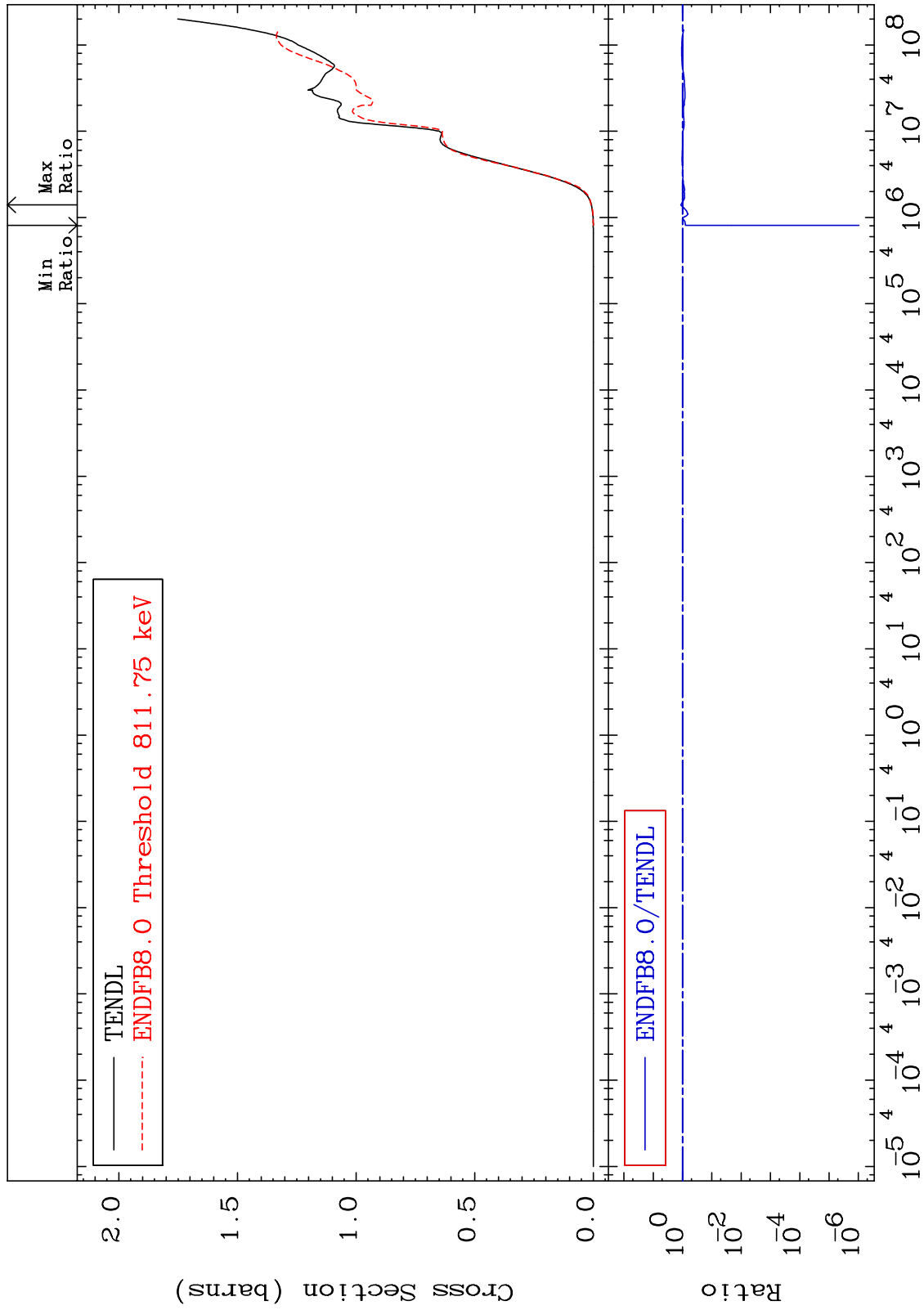
MAT 2825 (n,p)  $\alpha$  28-Ni-58  
 Cross Section -100.0 To 1859. %



MAT 2825

Hydrogen Production  
Cross Section

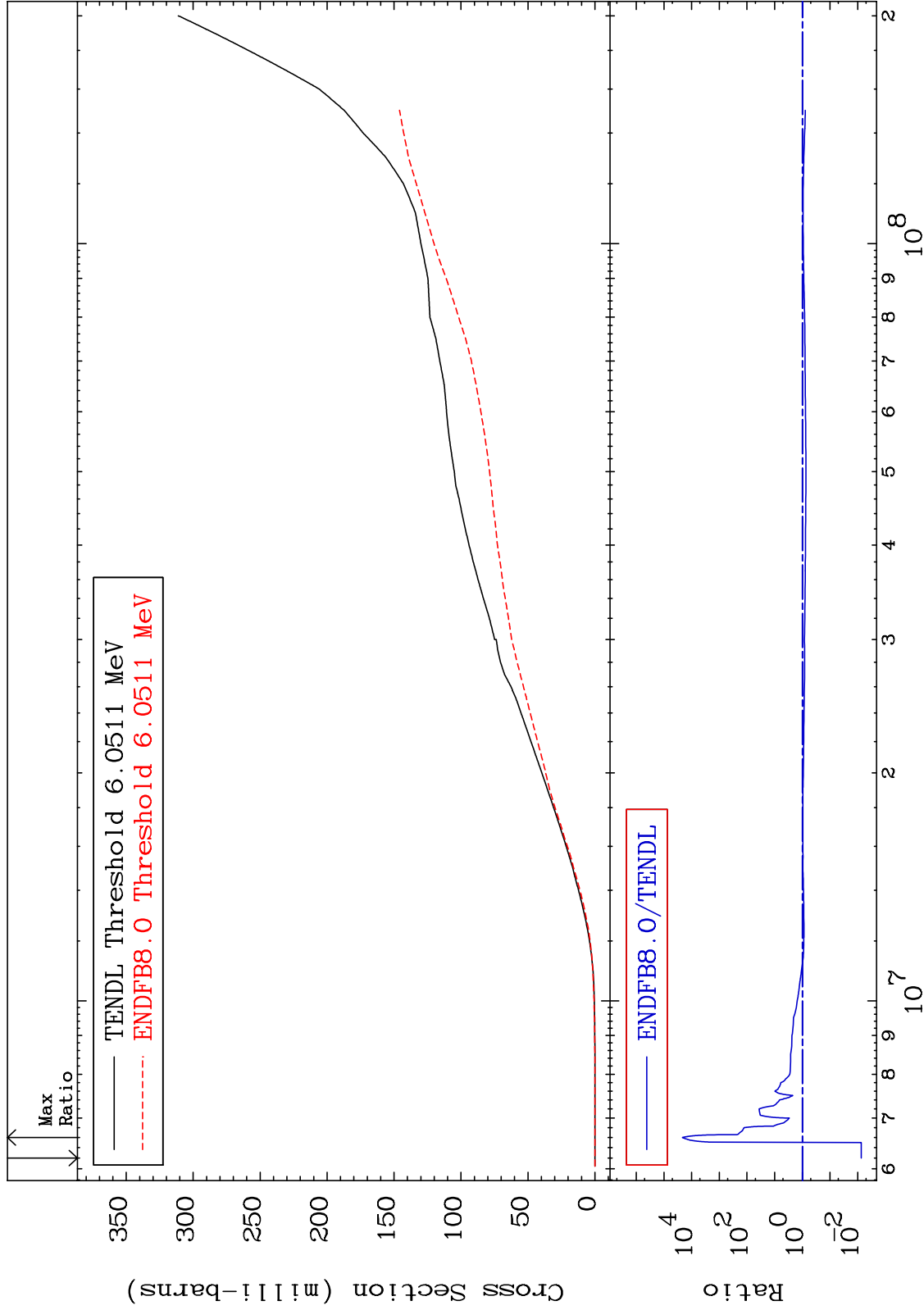
28-Ni-58  
-100.0 To 16.30 %



MAT 2825

Deuterium Production  
Cross Section

28-Ni-58  
-99.26 To 9999. %



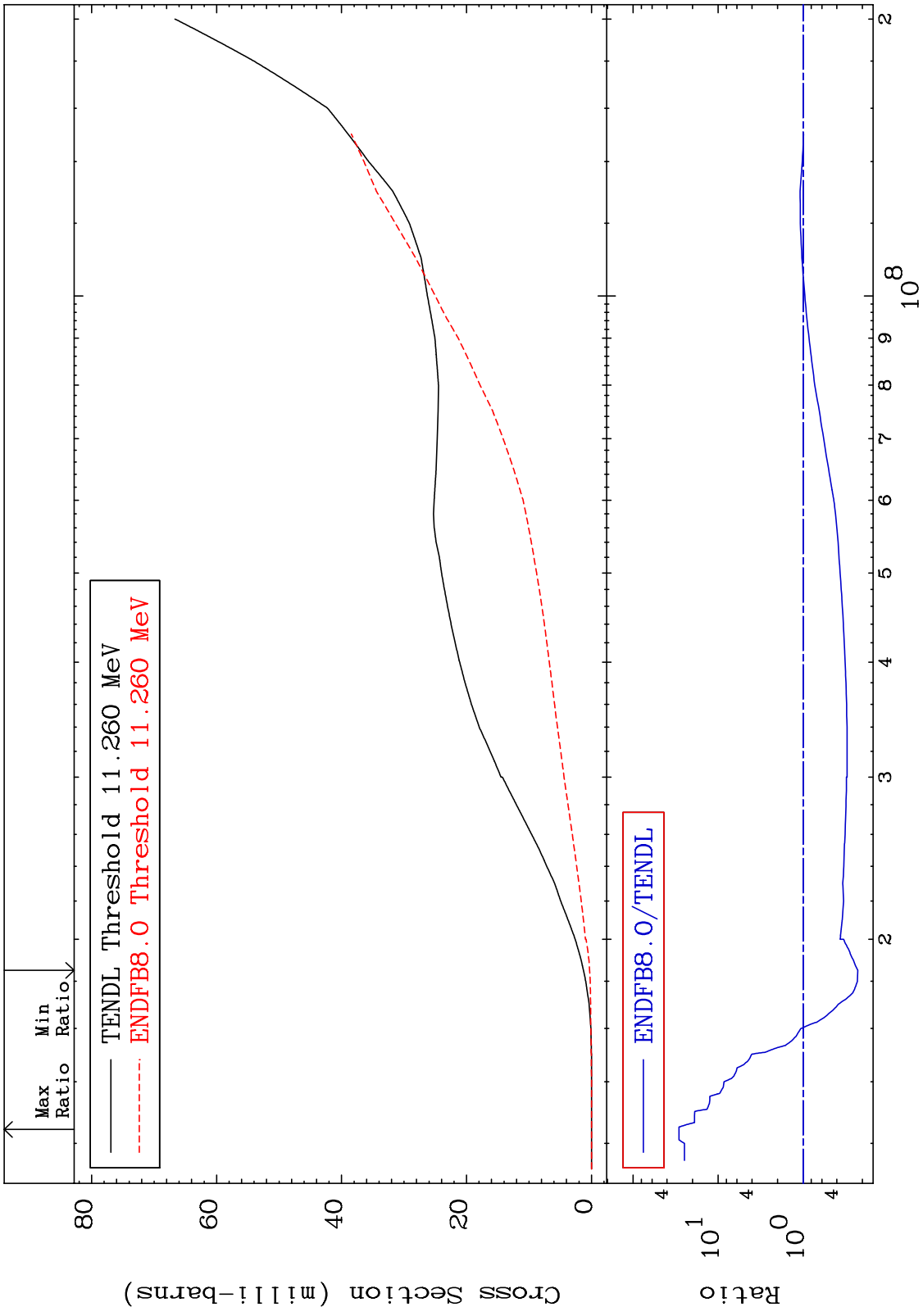
47

Incident Energy (eV)

28-Ni-58



MAT 2825 Tritium Production Cross Section 28-Ni-58 -77.32 To 2782. %

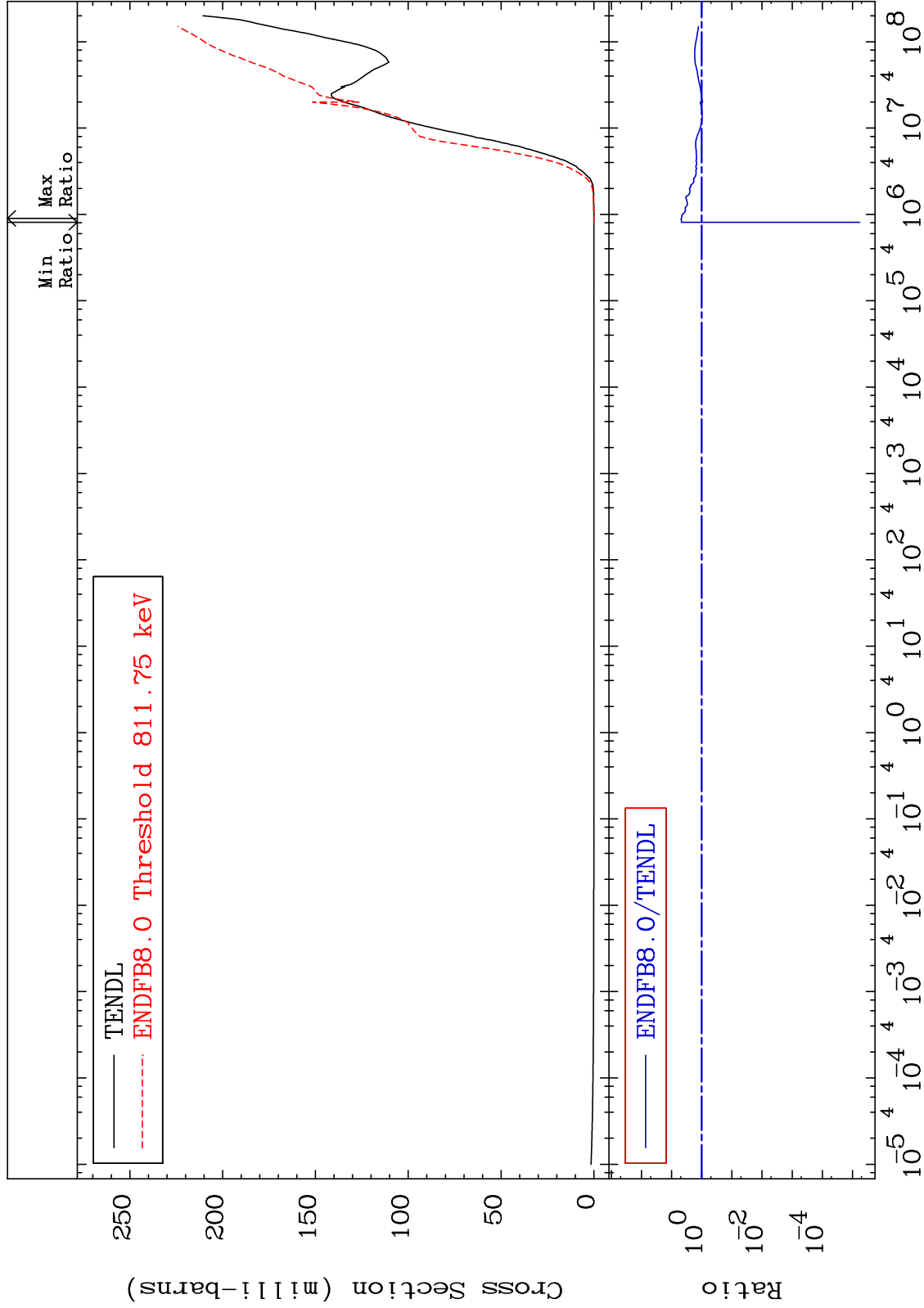


48 28-Ni-58

MAT 2825

He-4 Production  
Cross Section

28-Ni-58  
-100.0 To 380.2 %

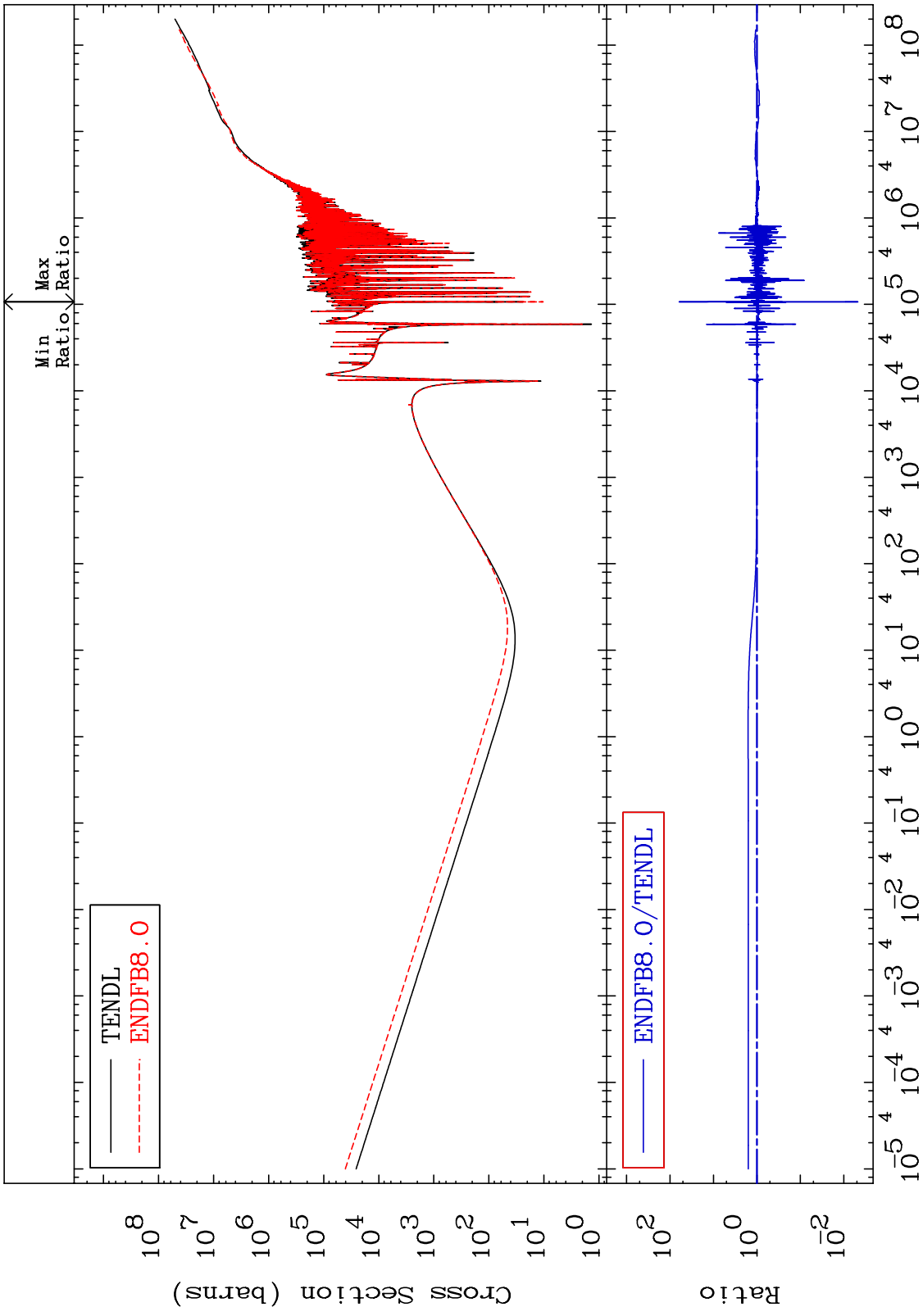


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Incident Energy (eV)

28-Ni-58

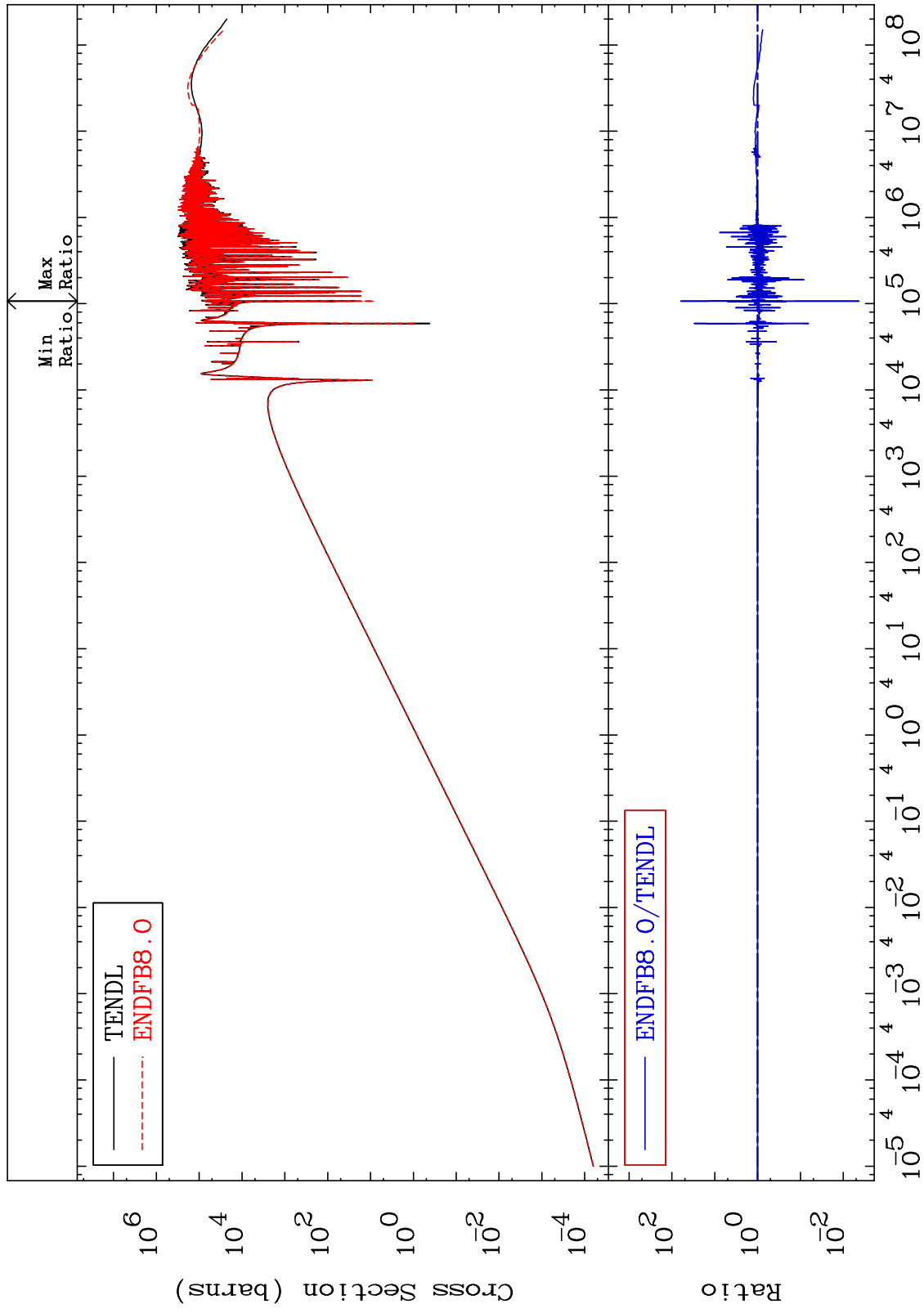
MAT 2825 Kerma total (eV-barns) 28-Ni-58  
 Cross Section -99.52 To 6069. %



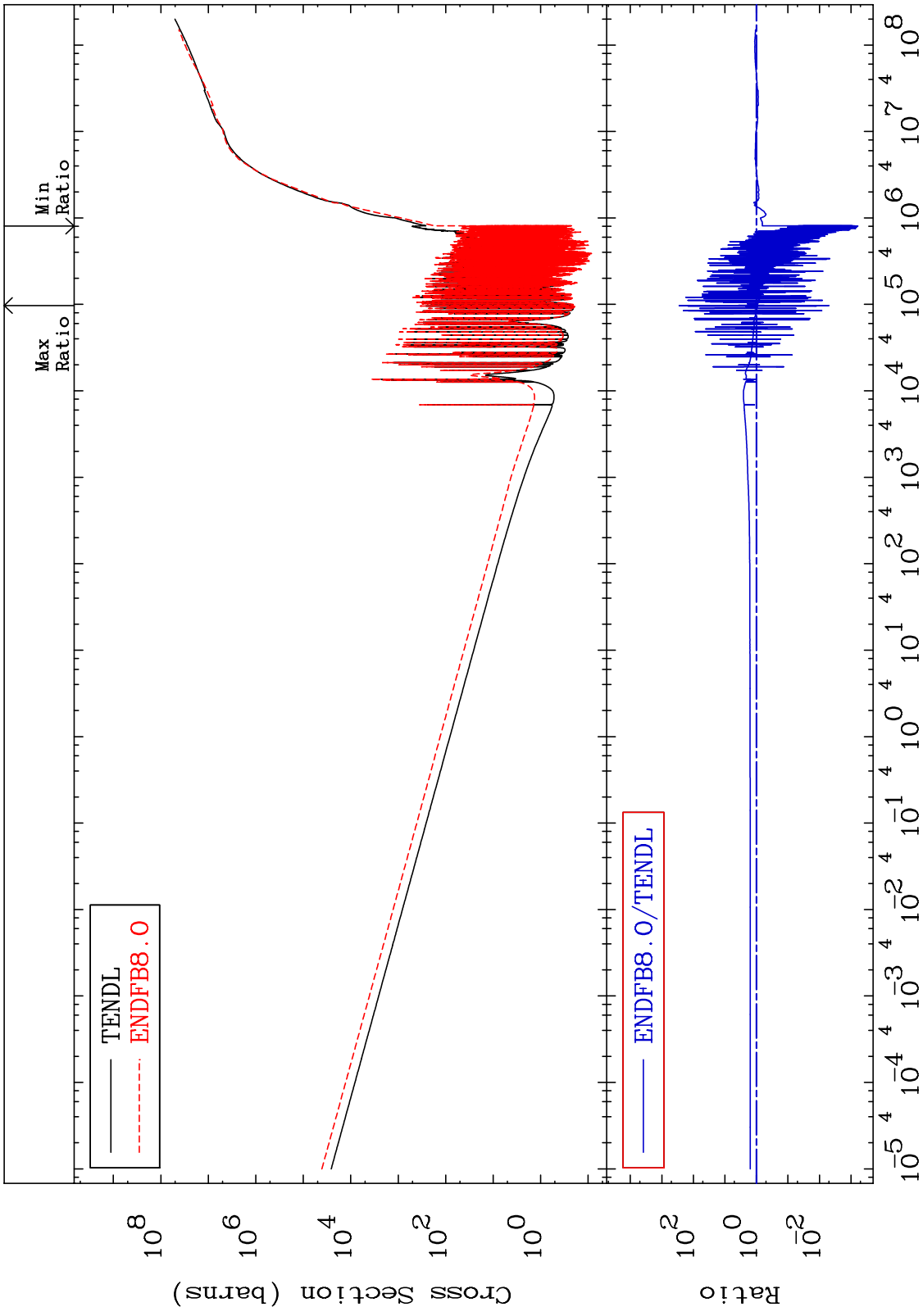
MAT 2825

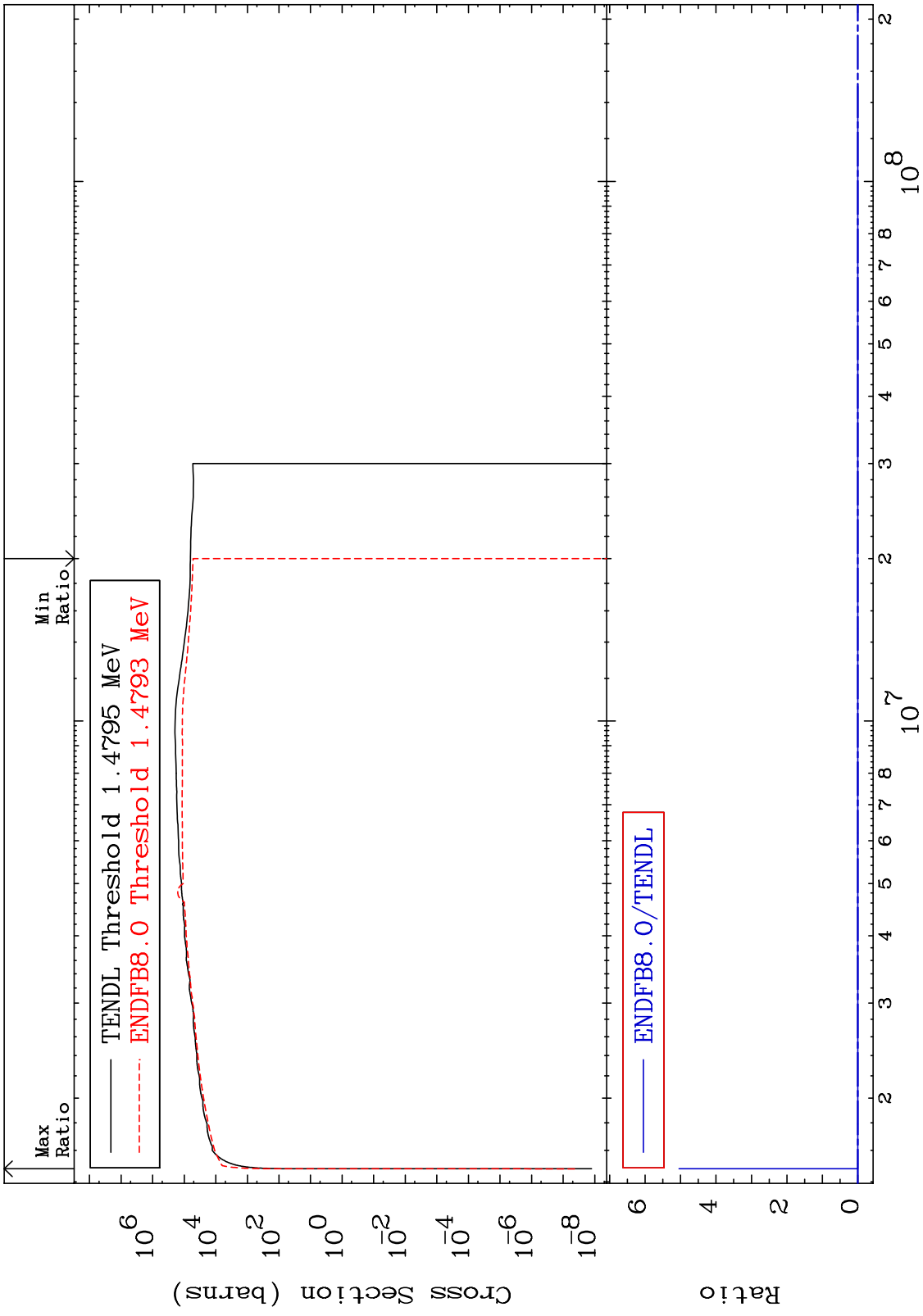
Kerma elastic  
Cross Section

28-Ni-58  
-99.57 To 6161. %



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

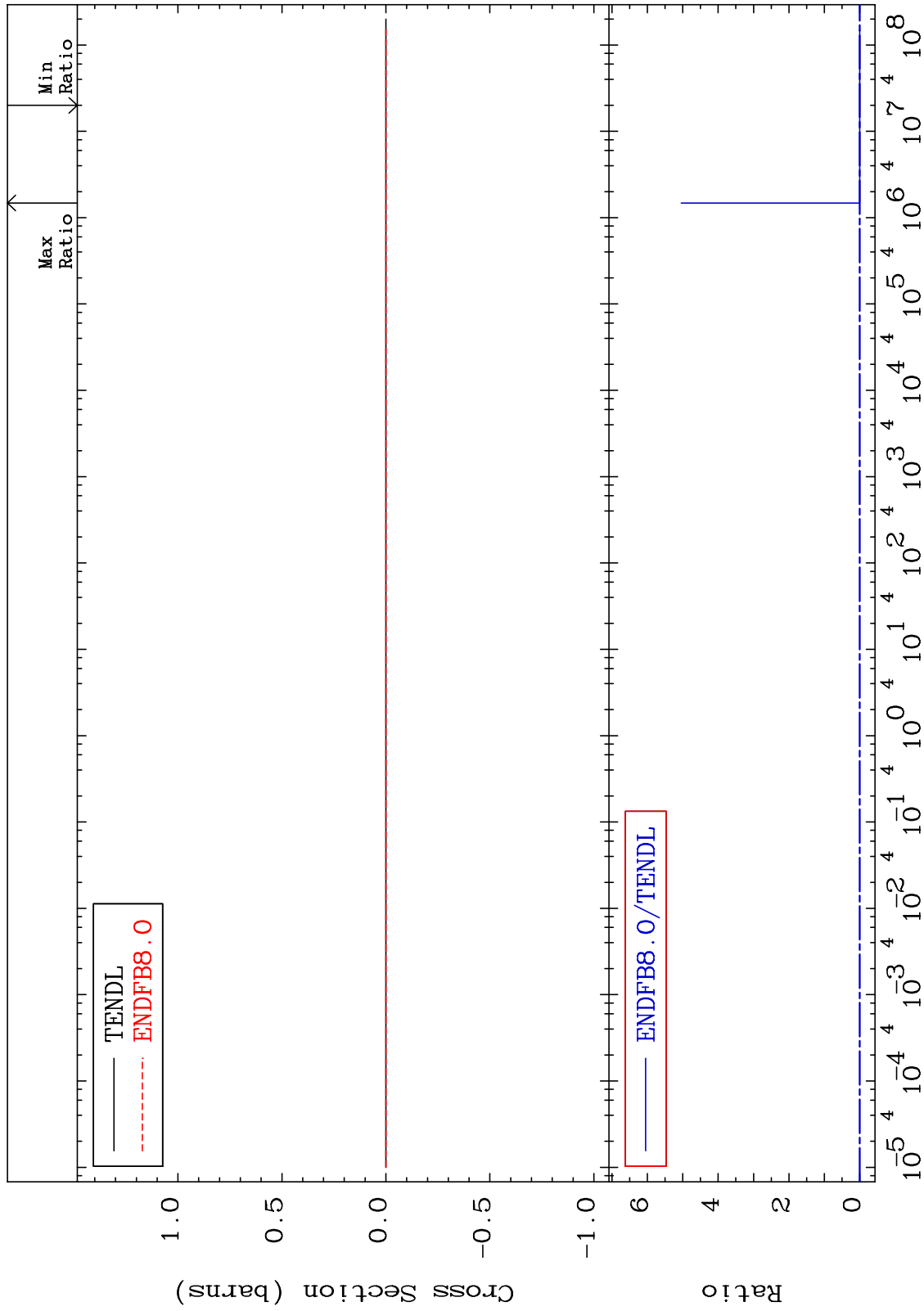




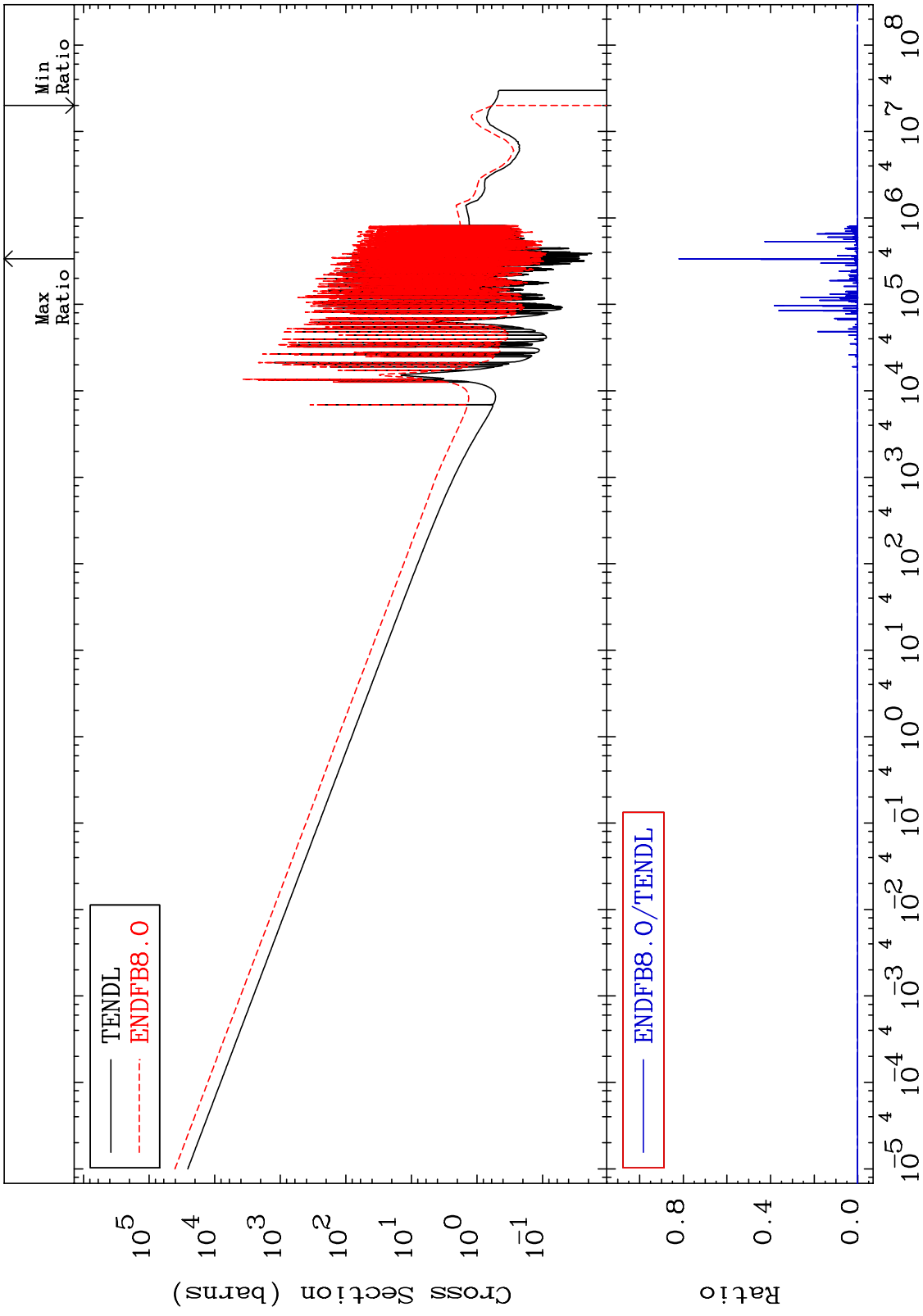
MAT 2825

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. %

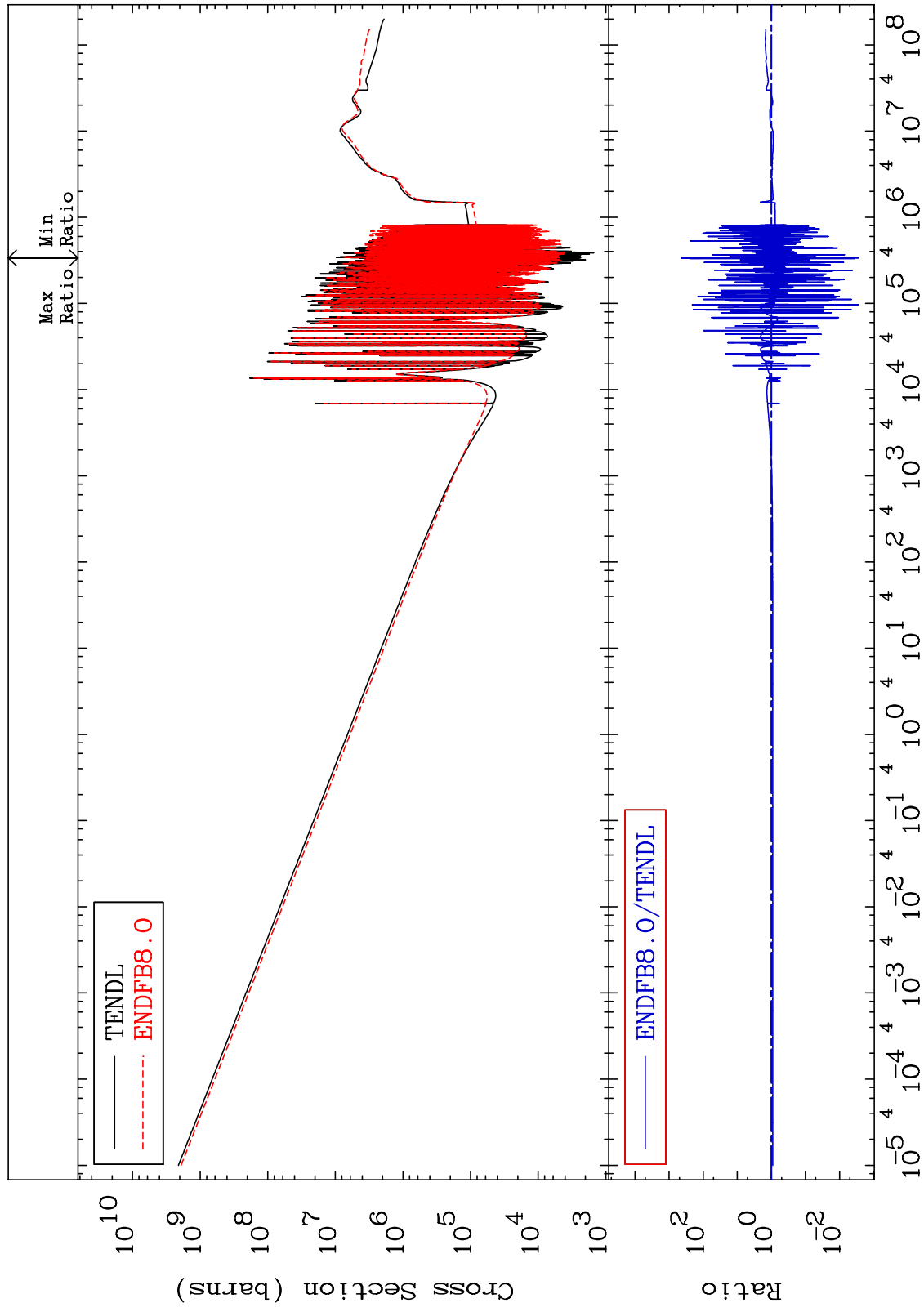




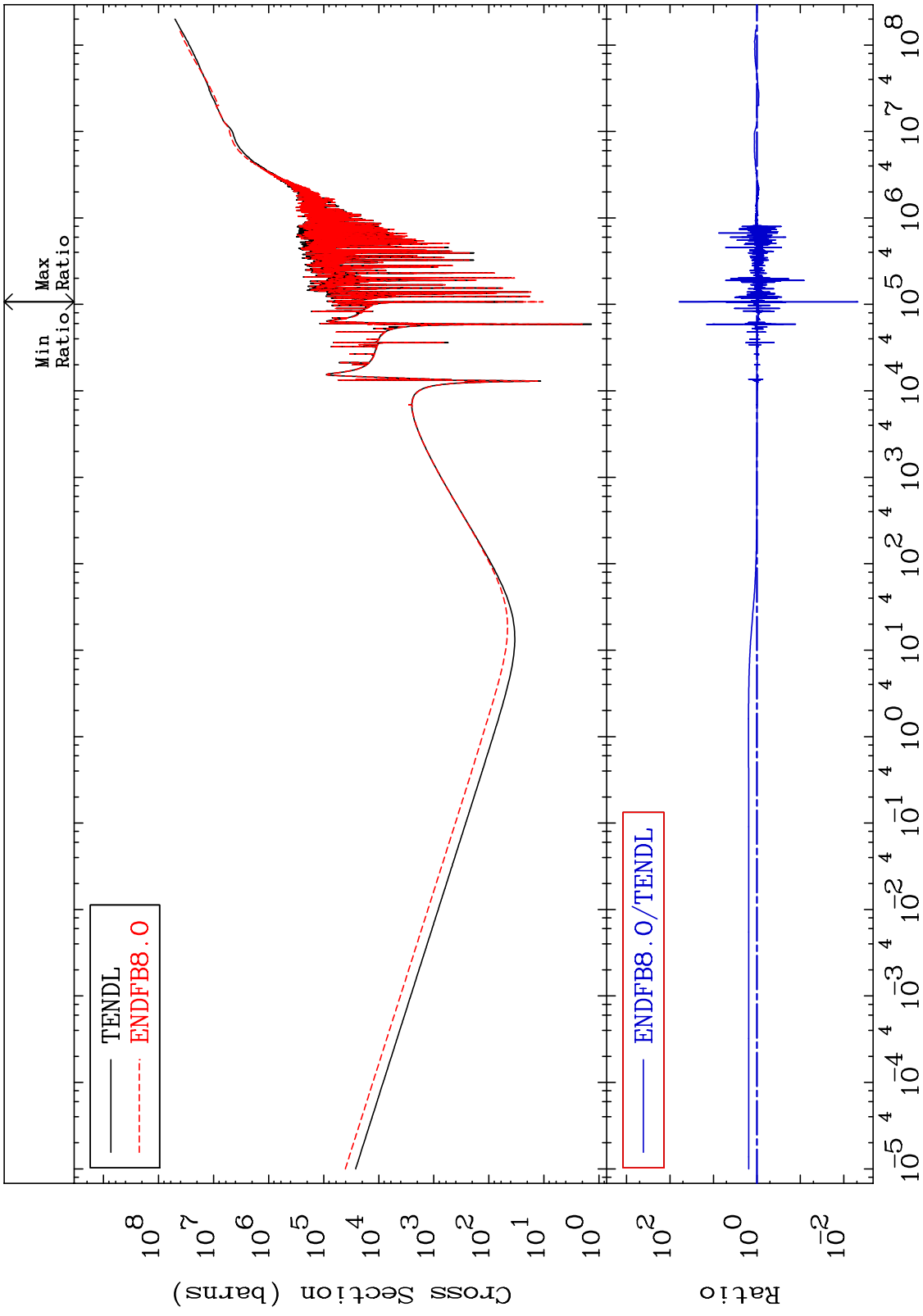
MAT 2825

Total photon (eV-barns)  
Cross Section

28-Ni-58  
-99.73 To 9999. %



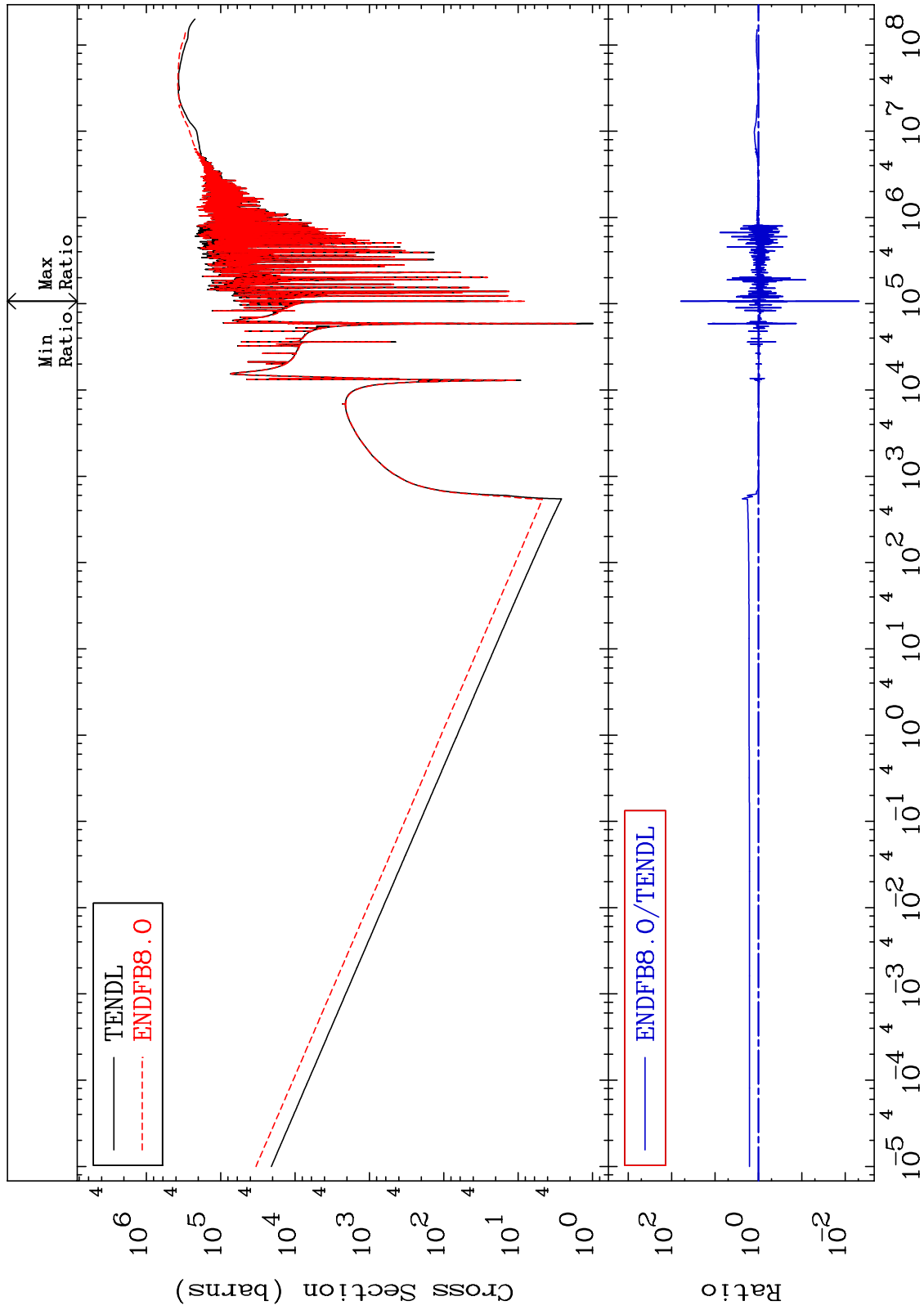
MAT 2825 Total kinematic kerma (high limit) 28-Ni-58  
 Cross Section -99.52 To 6069. %



MAT 2825

Dpa total (eV-barns)  
Cross Section

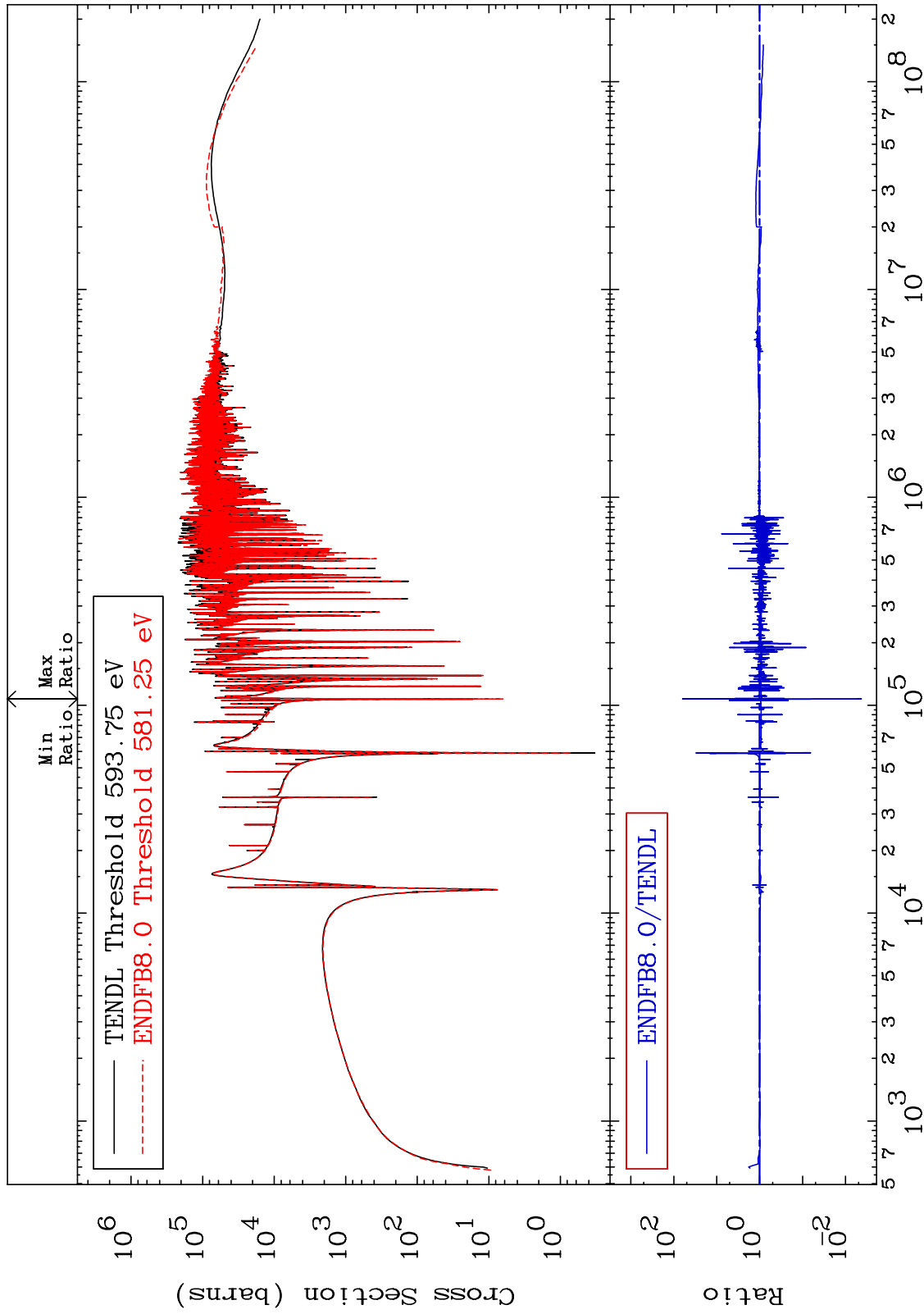
28-Ni-58  
-99.52 To 6091. %



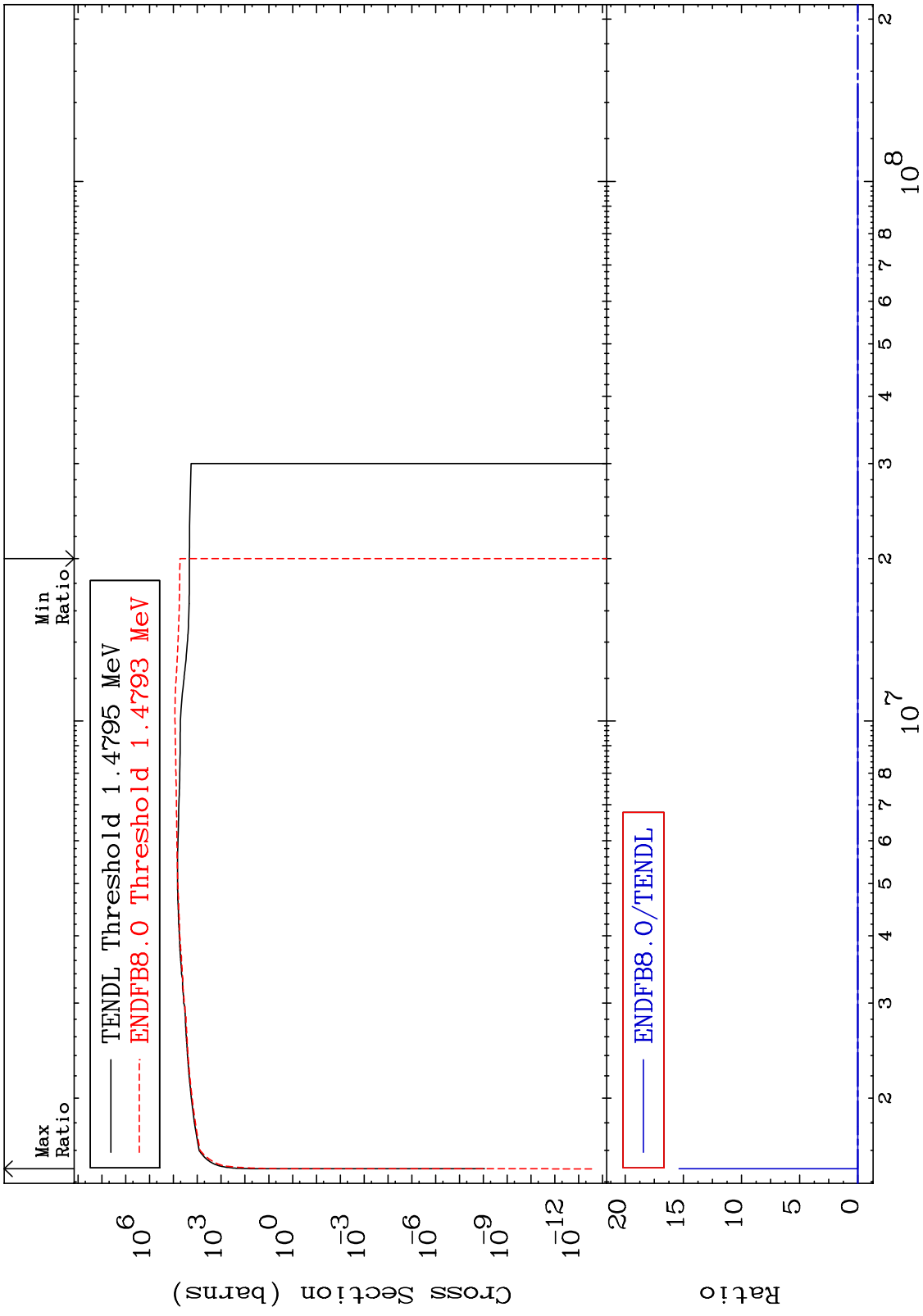
MAT 2825

Dpa elastic (mt2)  
Cross Section

28-Ni-58  
-99.57 To 6173. %



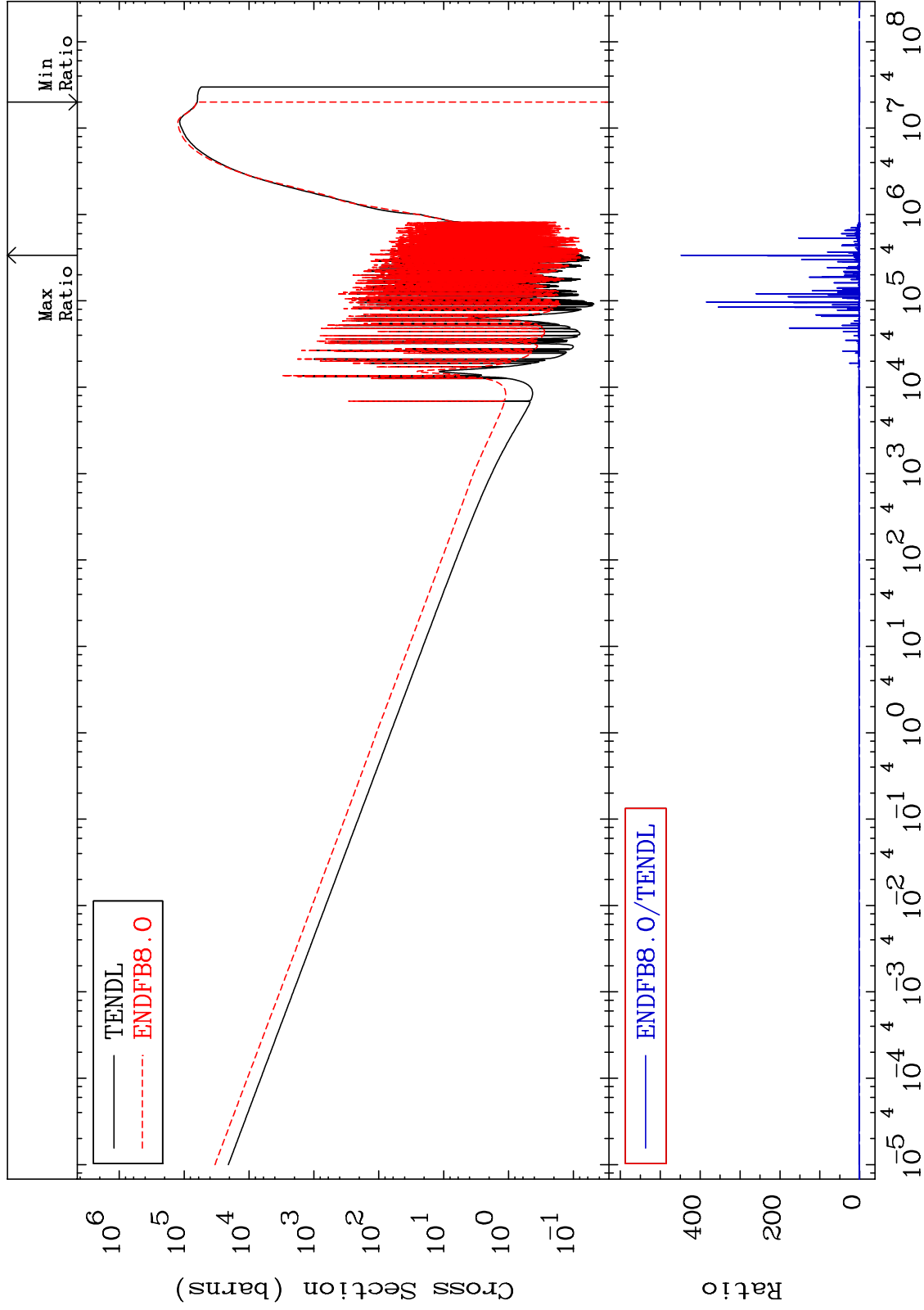
MAT 2825 Dpa inelastic (mt51-91) 28-Ni-58  
 Cross Section -100.0 To 9999. %



MAT 2825

Dpa disappearance (mt102 -120)  
Cross Section

28-Ni-58  
-100.0 To 9999. %



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Incident Energy (eV)

28-Ni-58