

Program Complot  
(Version 2018-1)

by

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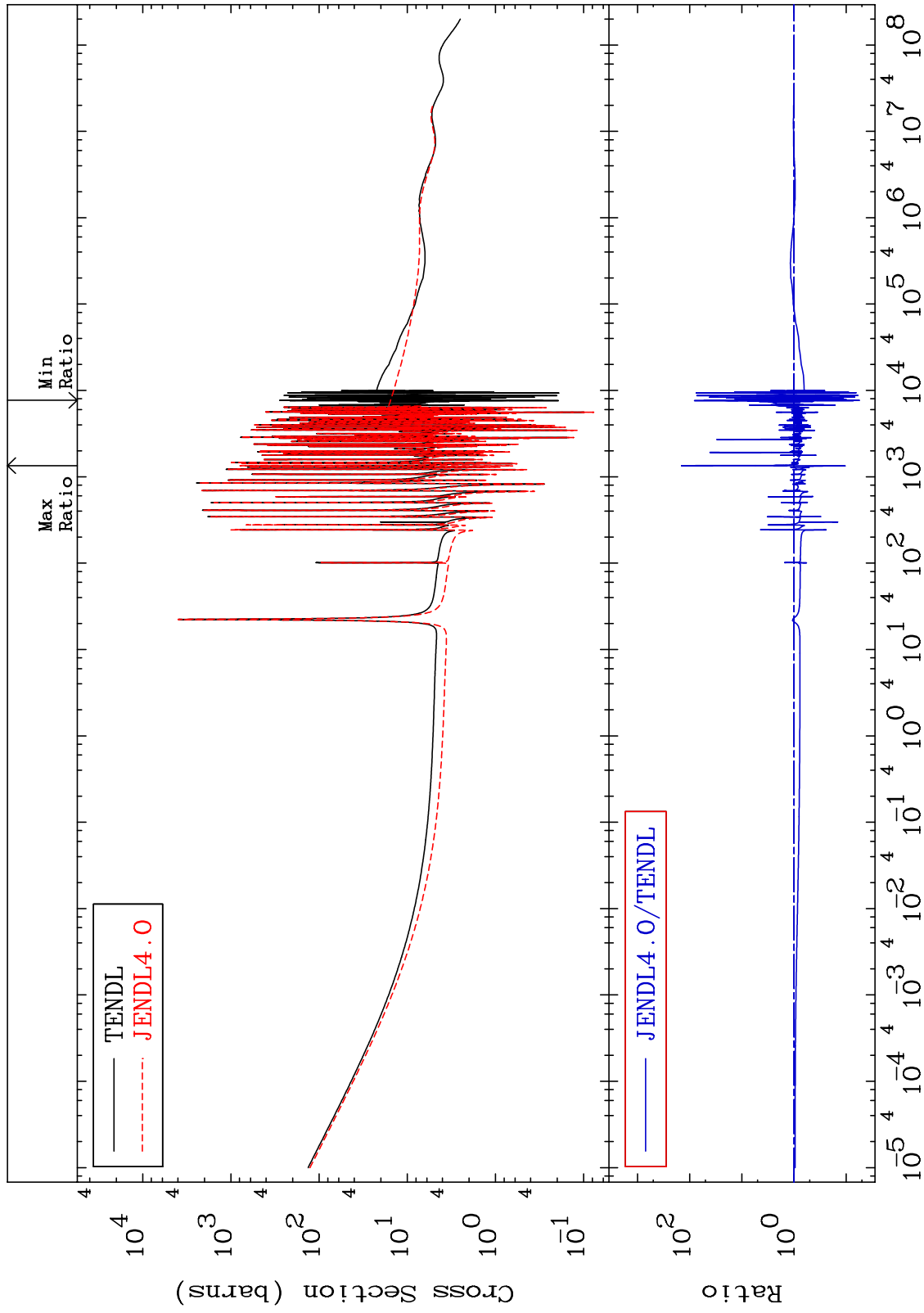
Press Mouse Button to Start

MAT 6443

Total  
Cross Section

64-Gd-158

-94.49 To 9999. %



1

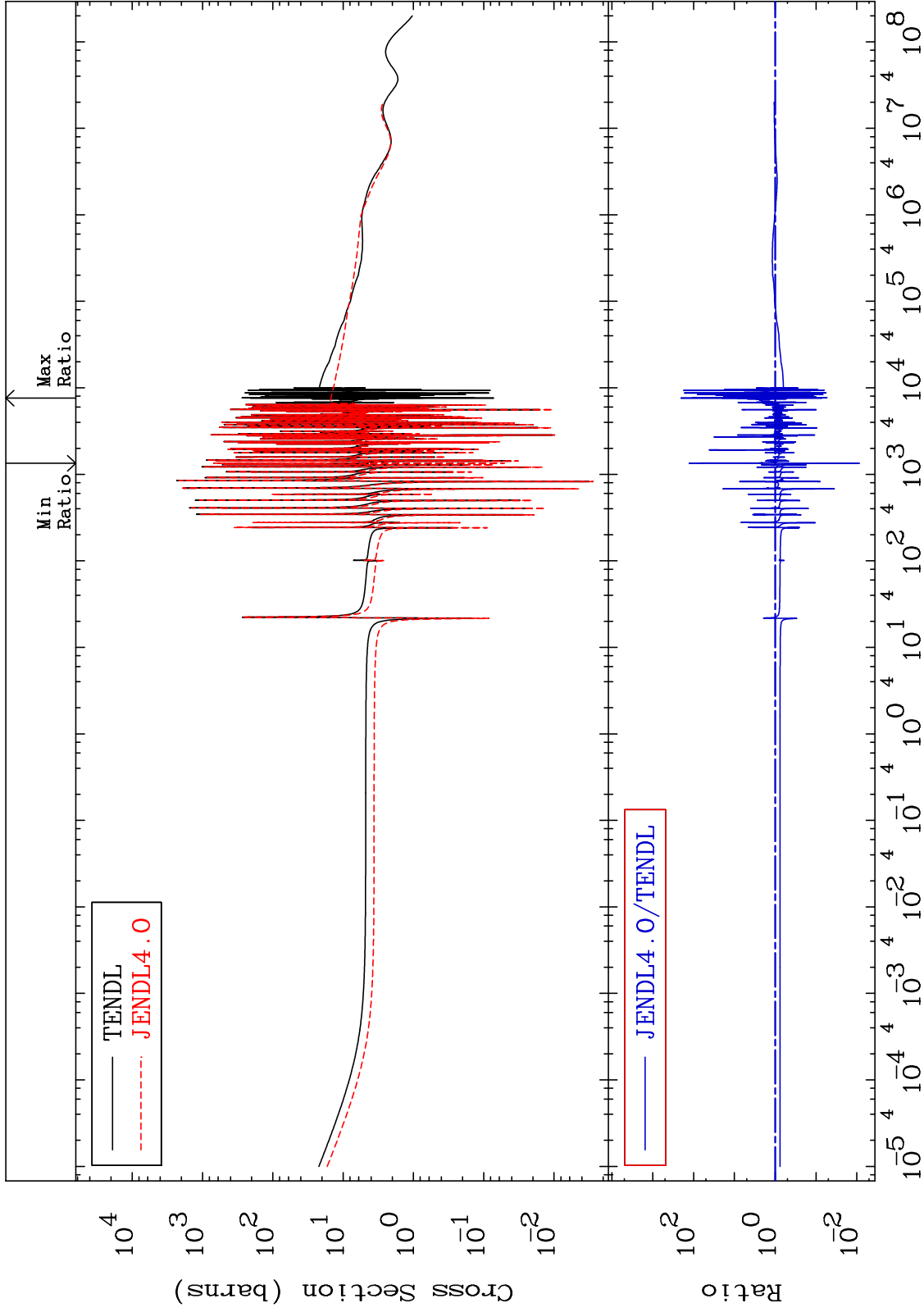
Incident Energy (eV)

64-Gd-158

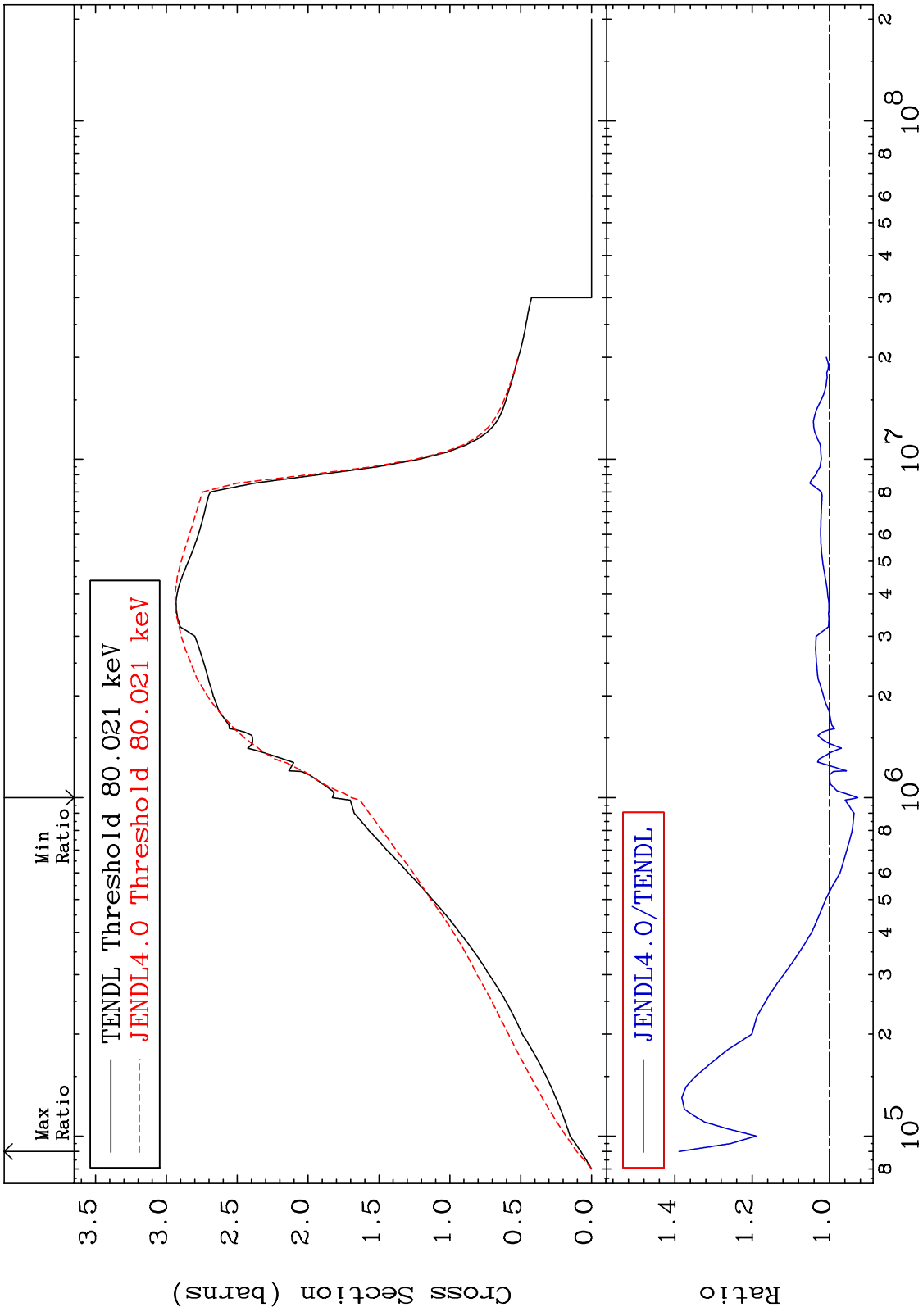
MAT 6443

Elastic  
Cross Section

64-Gd-158  
-99.15 To 9999. %

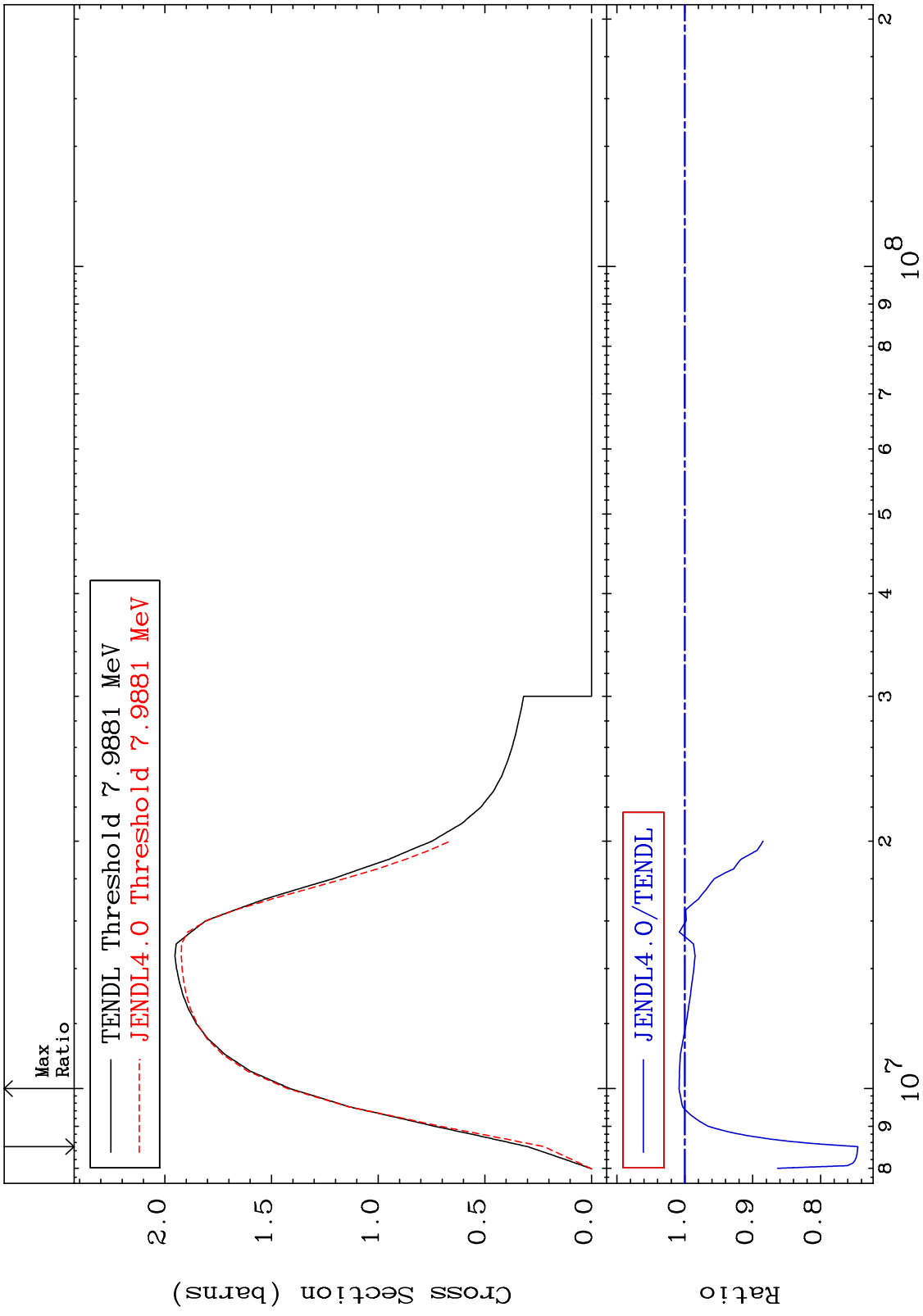


MAT 6443 Inelastic Cross Section 64-Gd-158 -7.341 To 38.92 %



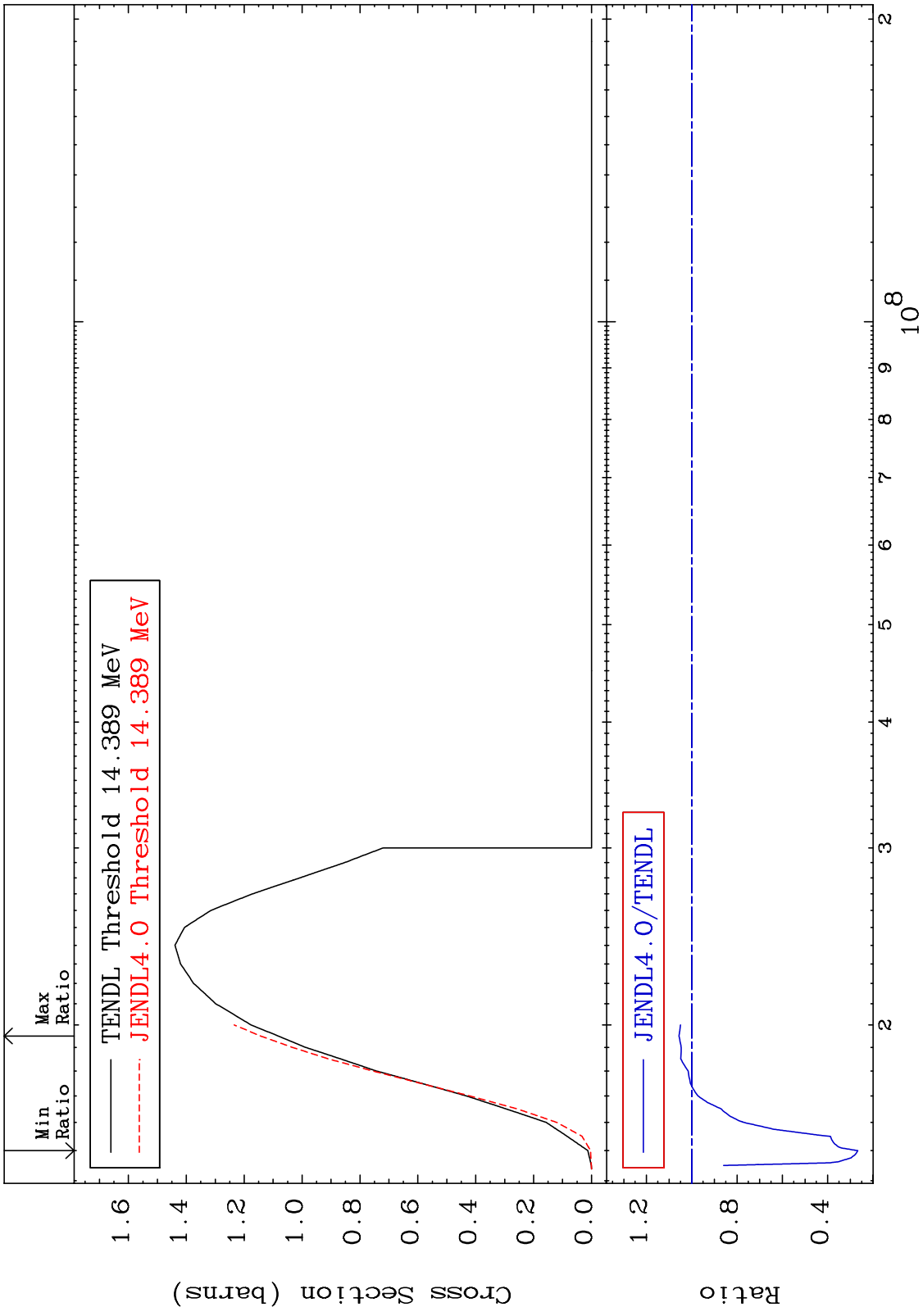
3 64-Gd-158

MAT 6443 (n,2n) Cross Section 64-Gd-158 -25.47 To 0.849 %

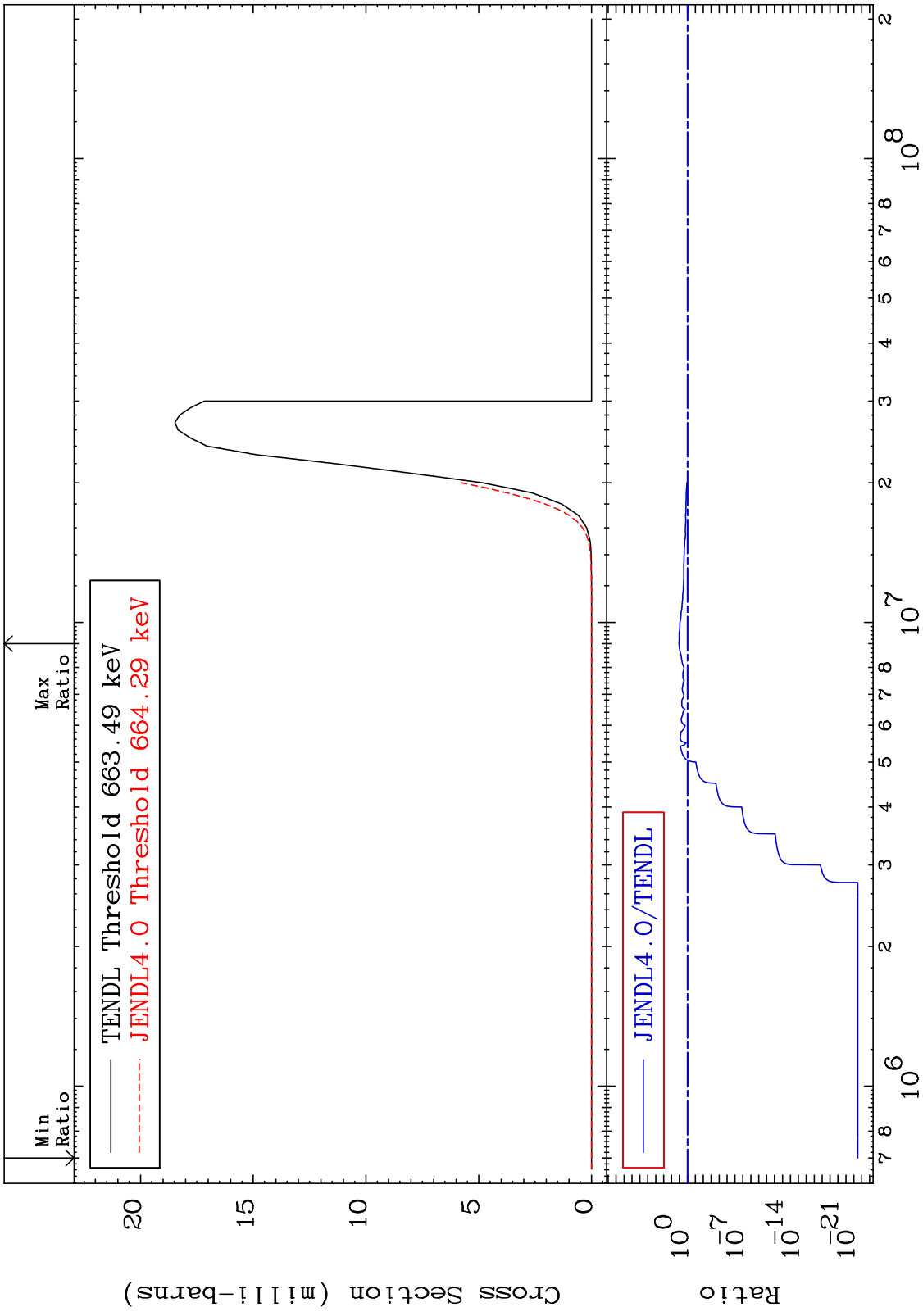


4 Incident Energy (eV) 64-Gd-158

MAT 6443 (n,3n) Cross Section 64-Gd-158 -73.33 To 5.613 %

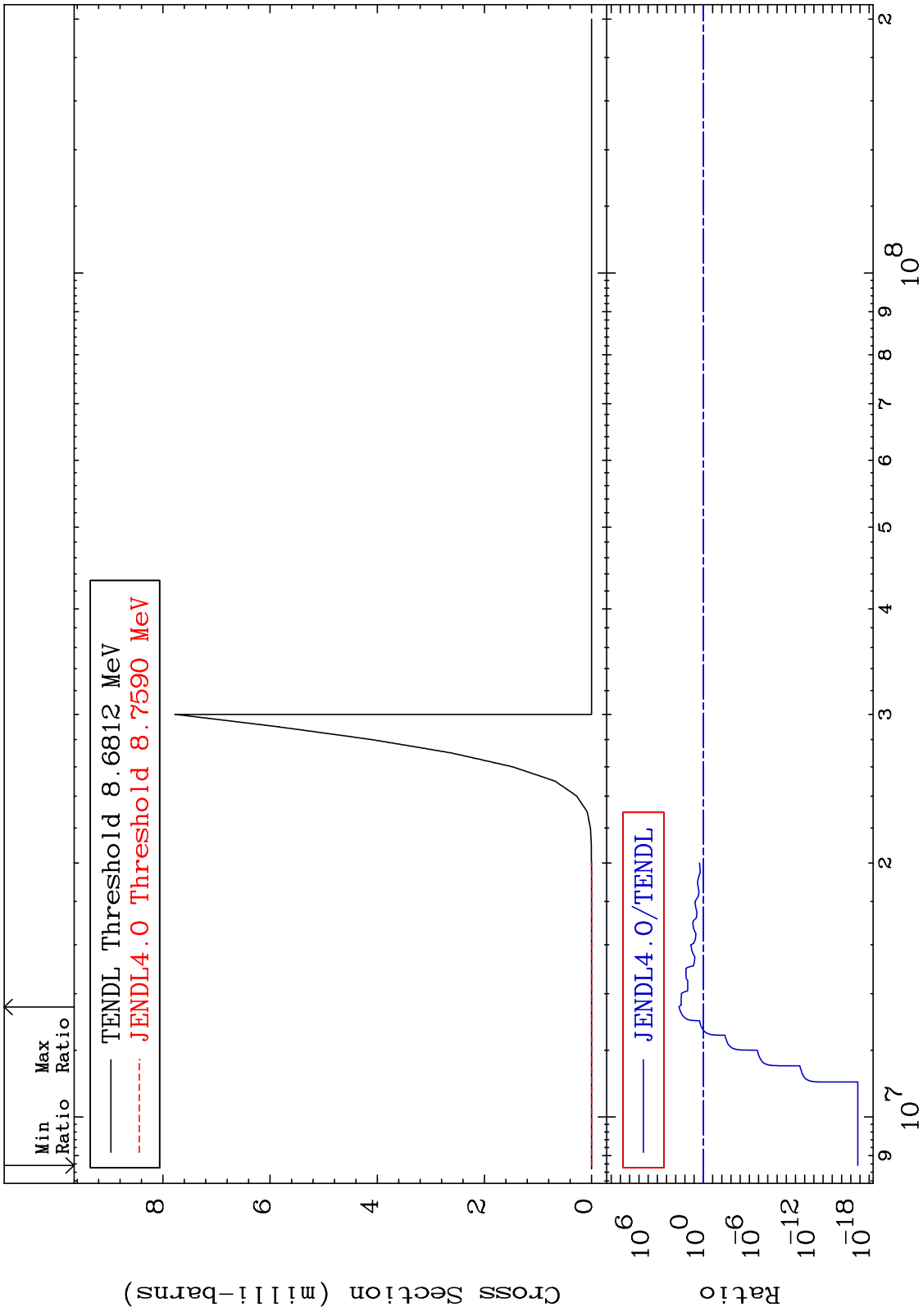


MAT 6443  $(n, n') \alpha$  64-Gd-158  
-100.0 To 1039. %



64-Gd-158 Incident Energy (eV) 64-Gd-158

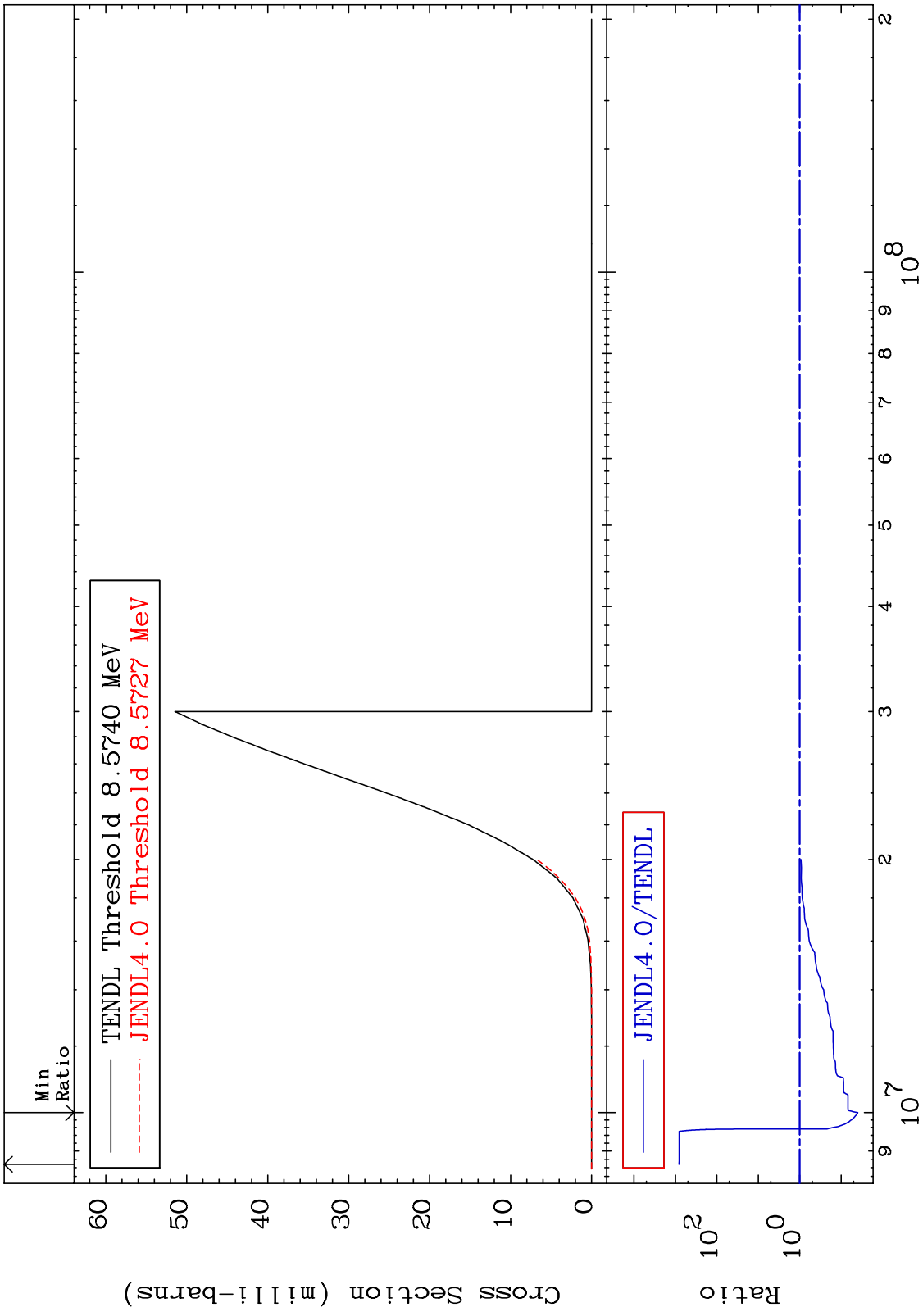
MAT 6443  $(n, 2n) \alpha$  64-Gd-158  
 Cross Section -100.0 To 9999. %



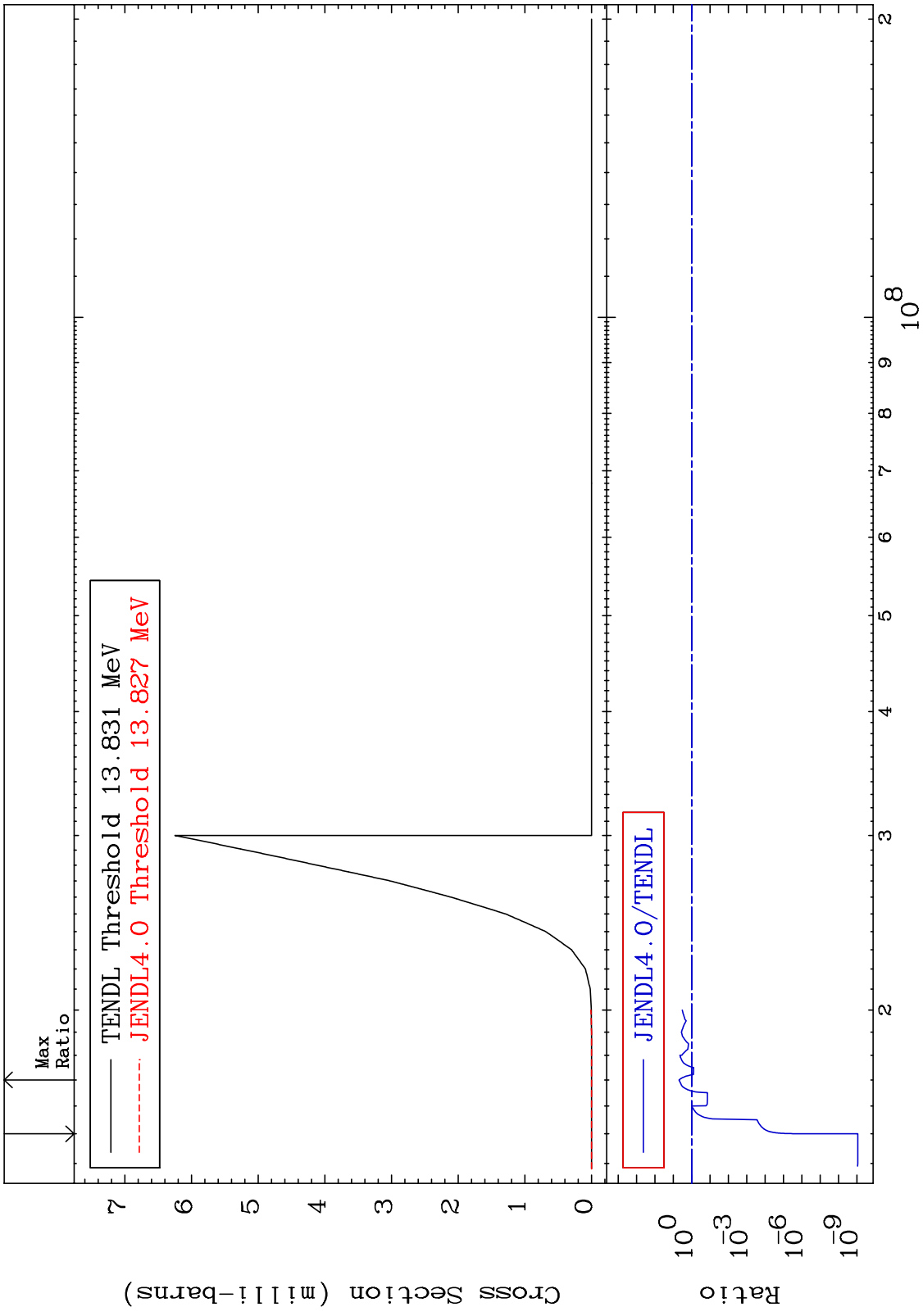
7 Incident Energy (eV) 64-Gd-158



MAT 6443 (n,n') p 64-Gd-158  
Cross Section -96.04 To 9999. %



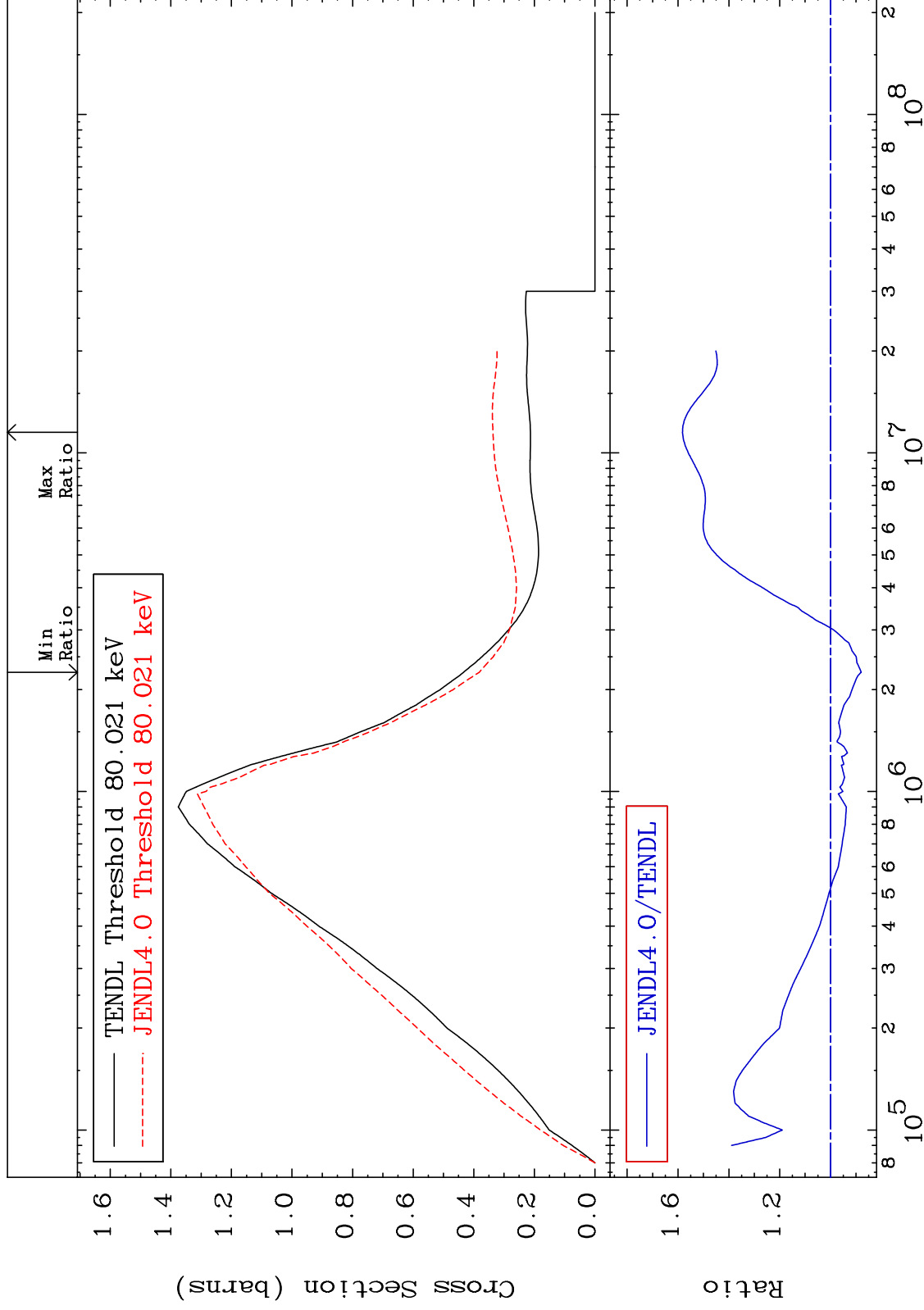
8 Incident Energy (eV) 64-Gd-158



MAT 6443

MT= 51 (n,n') Level  
Cross Section

64-Gd-158  
-12.07 To 58.25 %

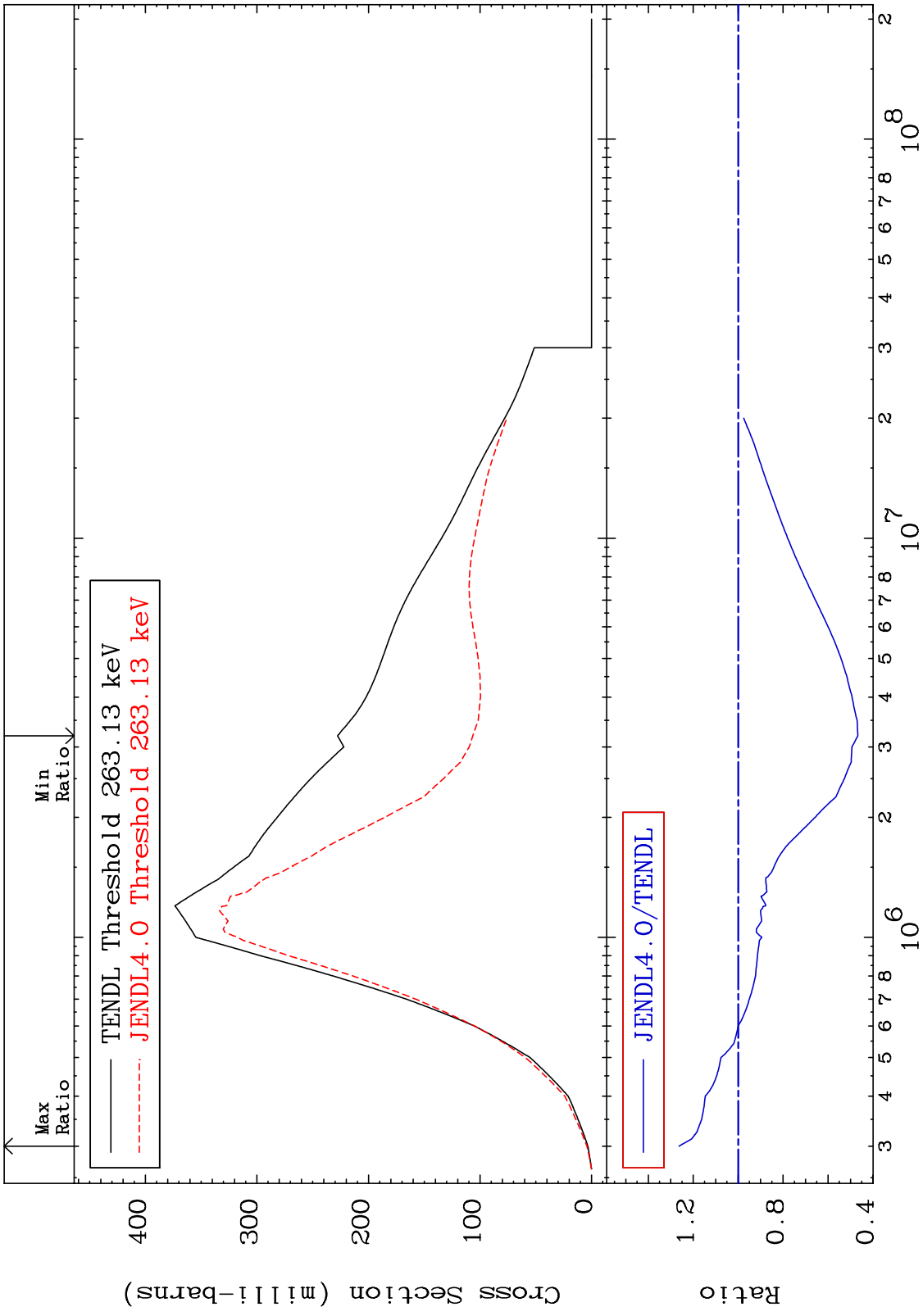


10

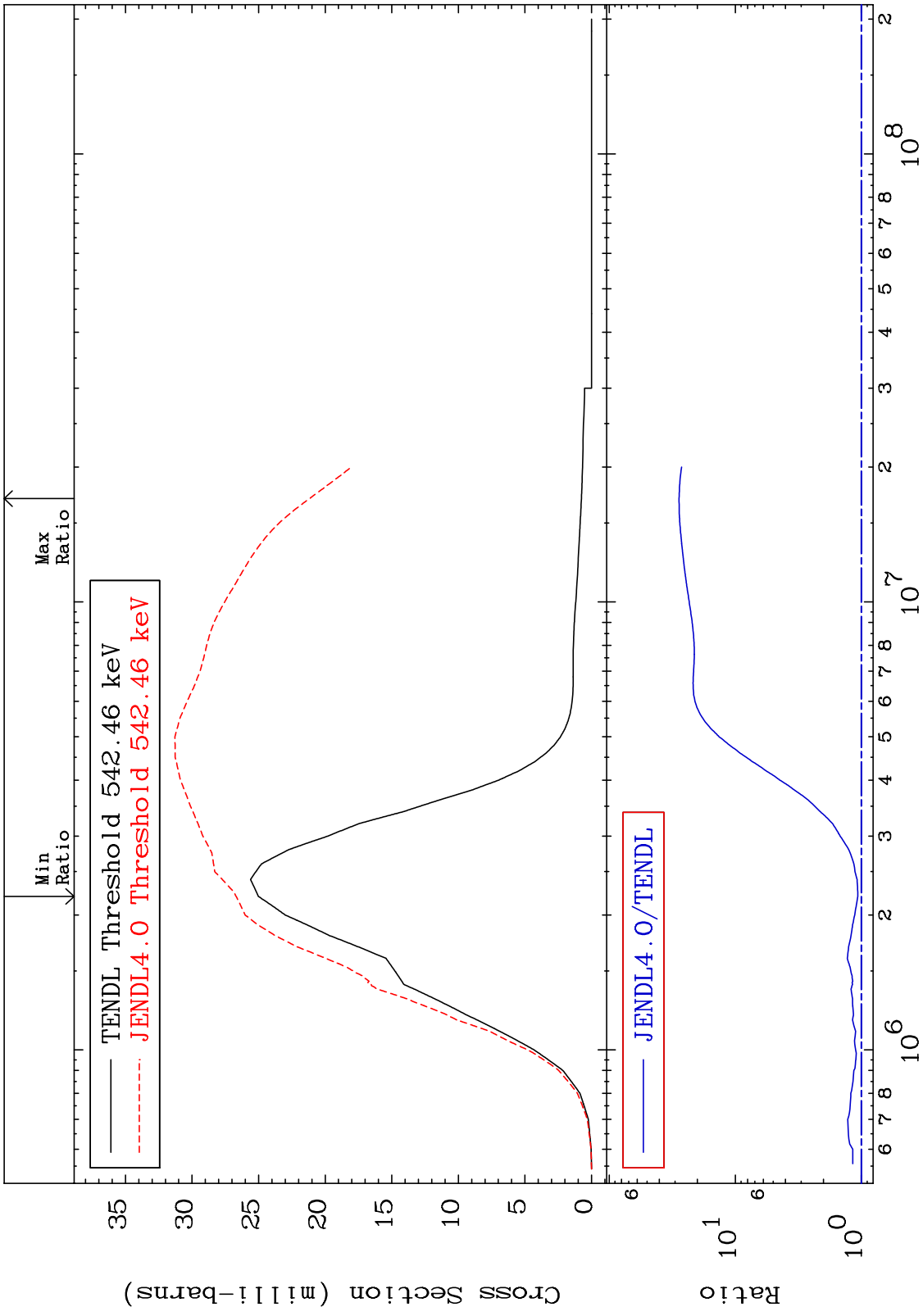
Incident Energy (eV)

64-Gd-158

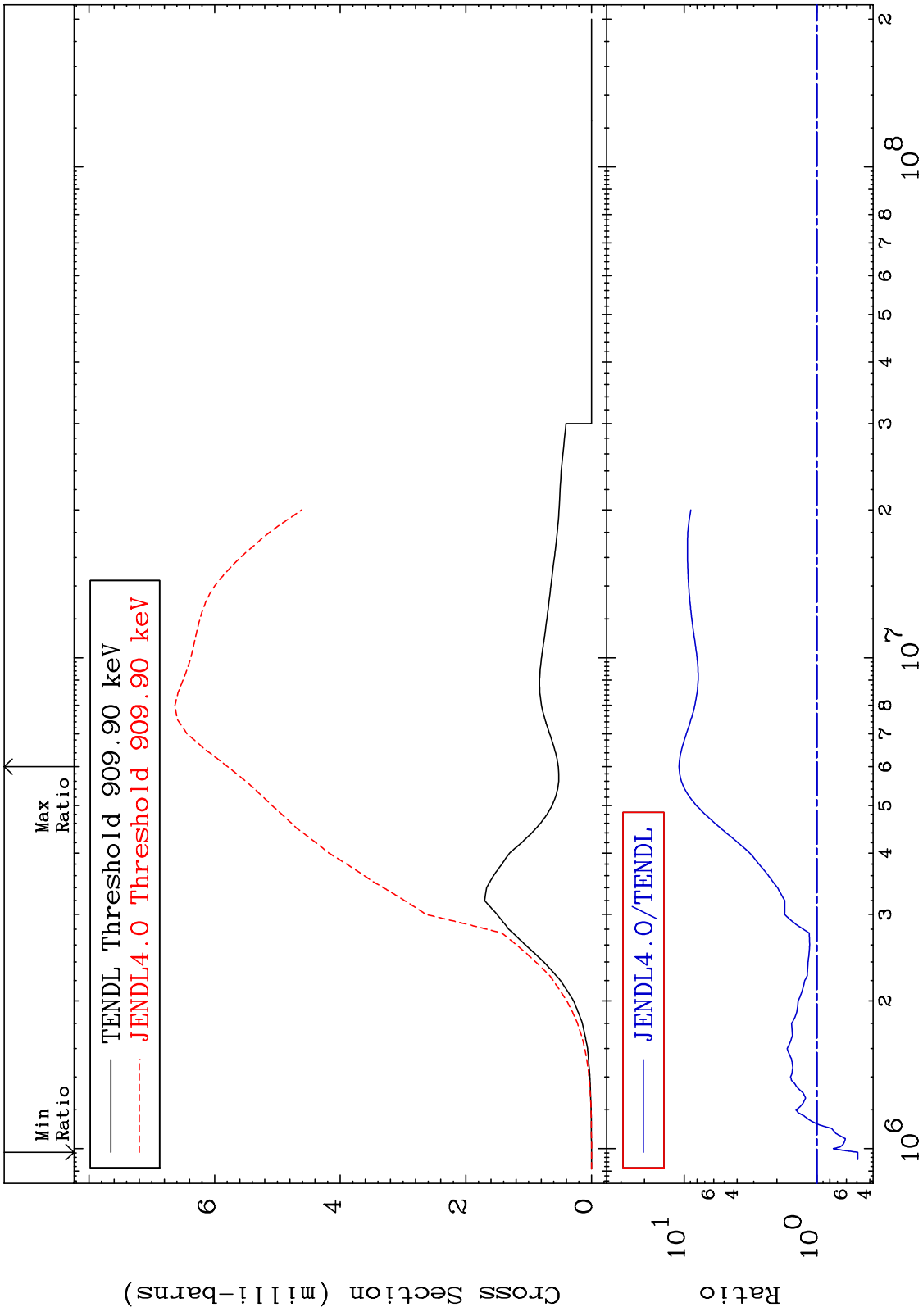
MAT 6443 MT= 52 (n,n') Level Cross Section 64-Gd-158  
 -53.28 To 26.31 %



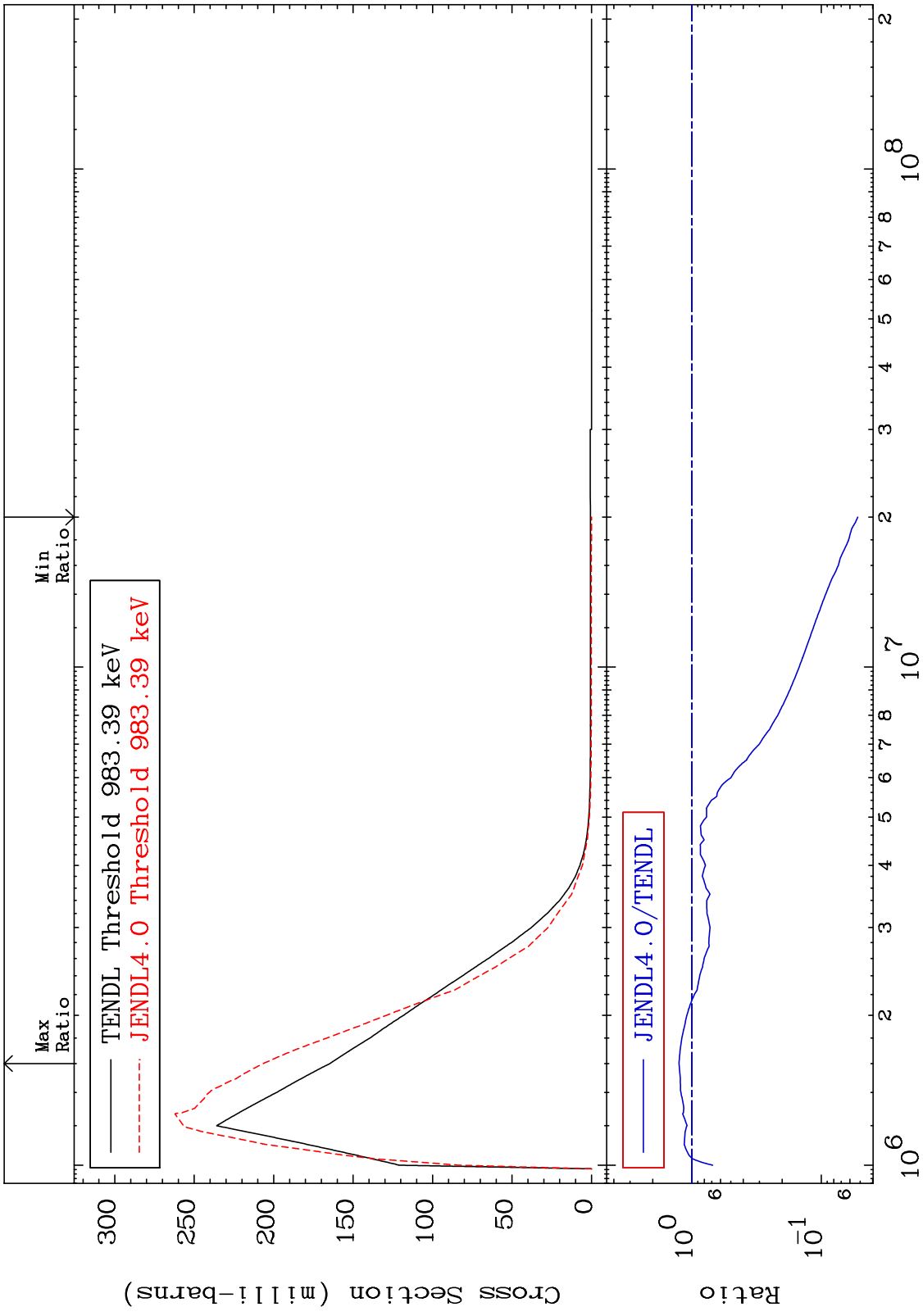
MAT 6443 MT= 53 (n,n') Level Cross Section 64-Gd-158 6.689 To 2693. %



MAT 6443 MT= 54 (n,n') Level Cross Section 64-Gd-158 -50.82 To 995.2 %



MAT 6443      MT= 55 (n,n') Level Cross Section      64-Gd-158  
 -94.79 To 25.45 %

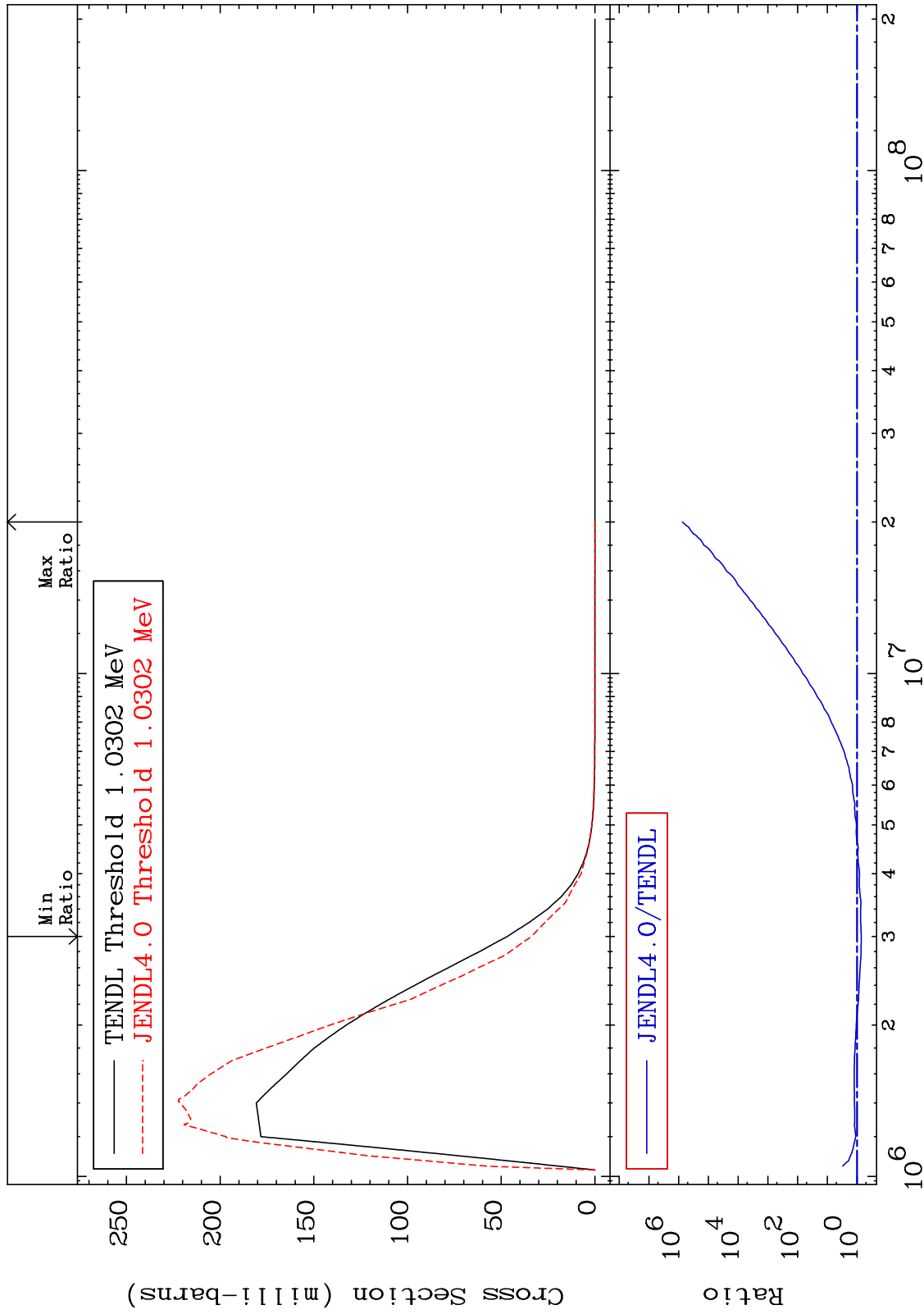


14      Incident Energy (eV)      64-Gd-158

MAT 6443

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

64-Gd-158  
-27.66 To 9999. %



64-Gd-158

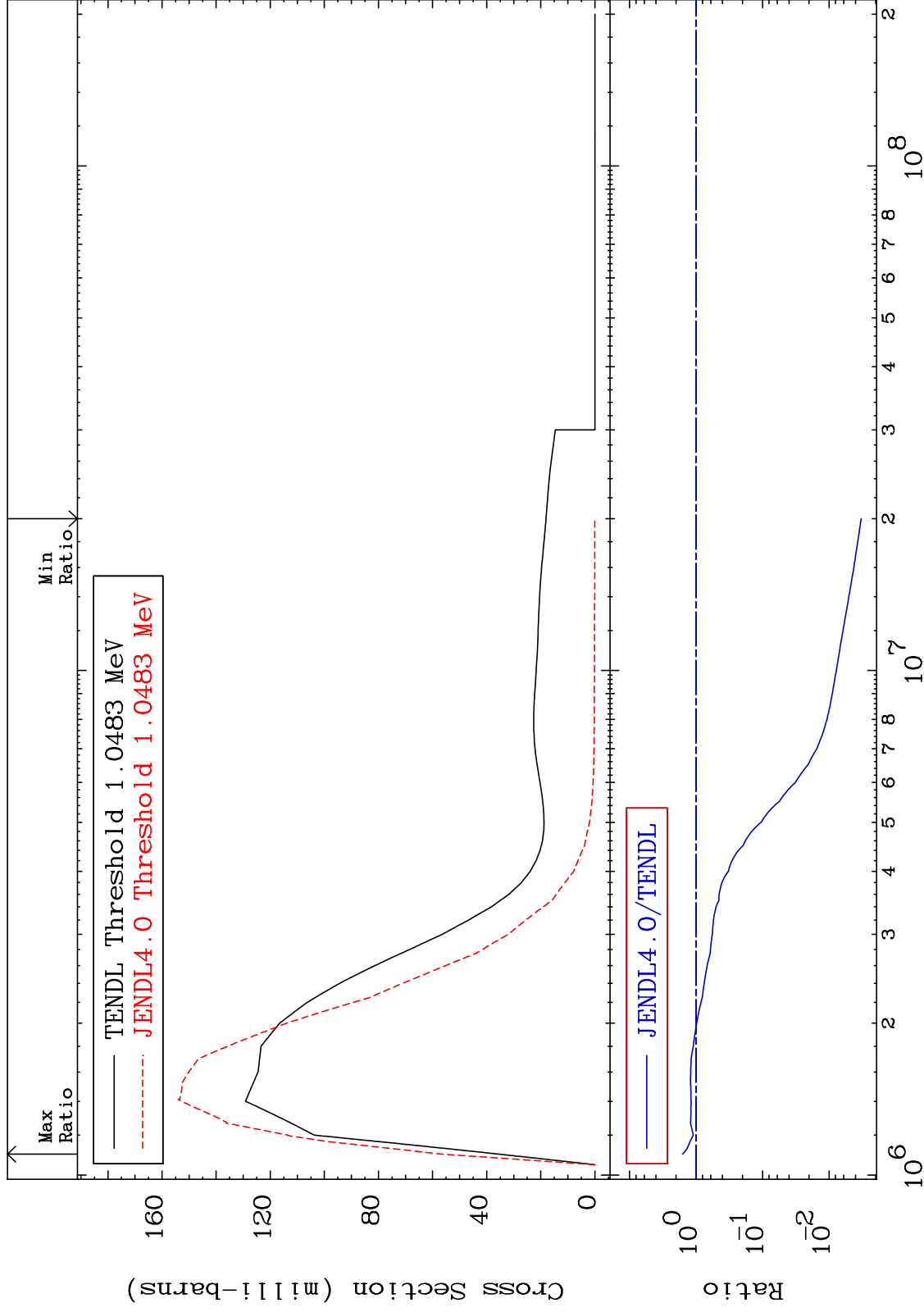
15



MAT 6443

MT= 57 (n,n') Level  
Cross Section

64-Gd-158  
-99.67 To 59.86 %

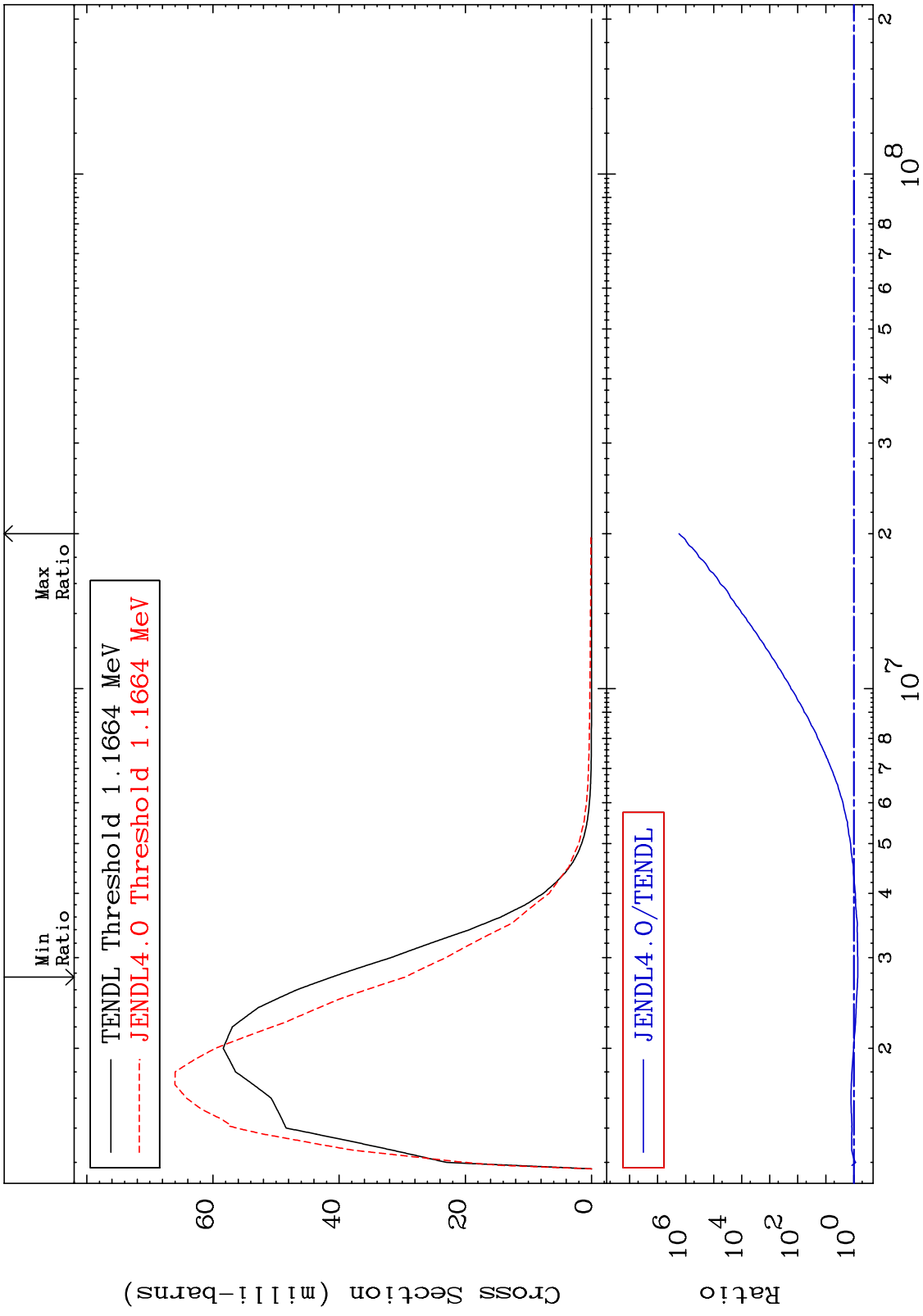


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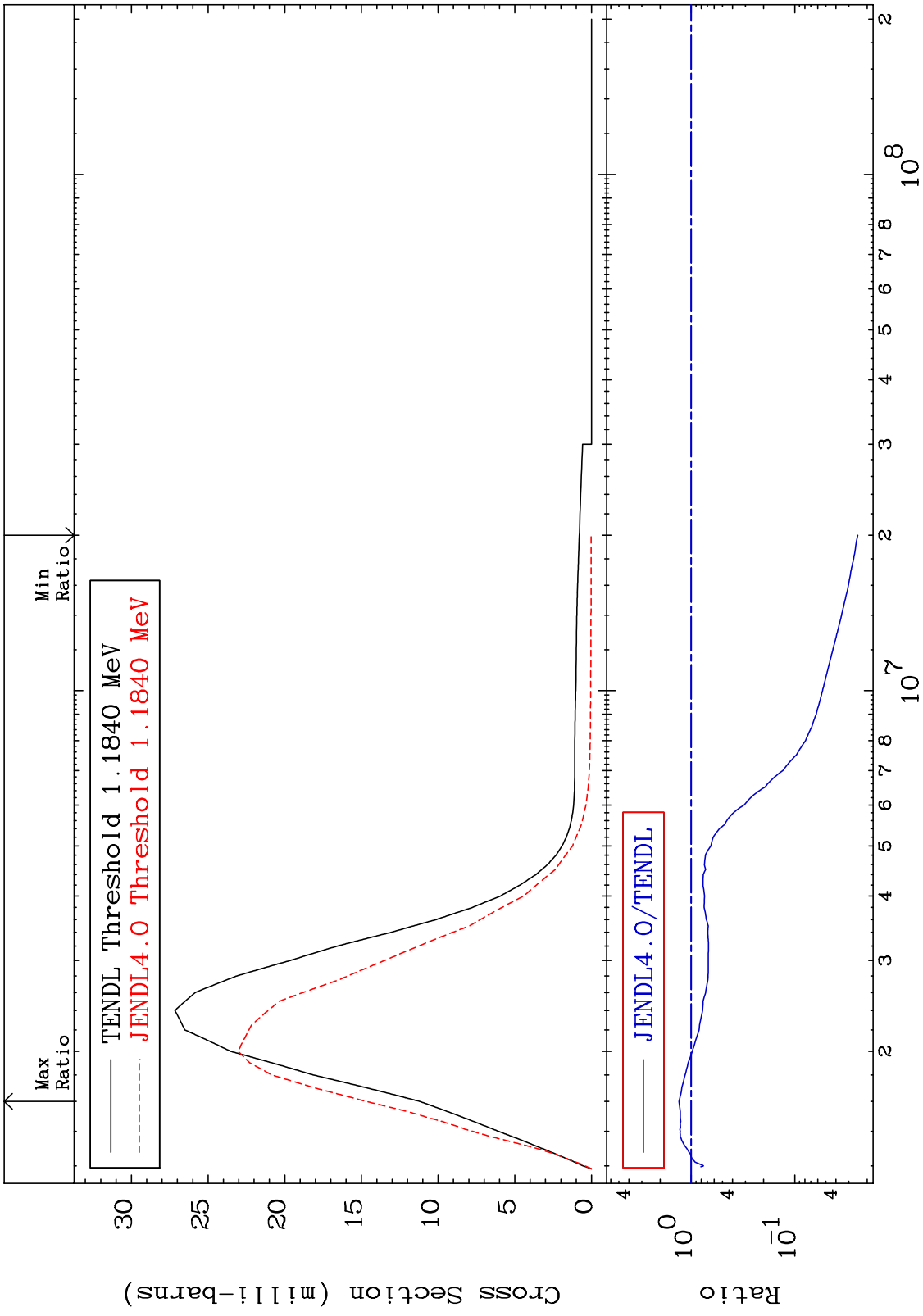
Incident Energy (eV)

64-Gd-158

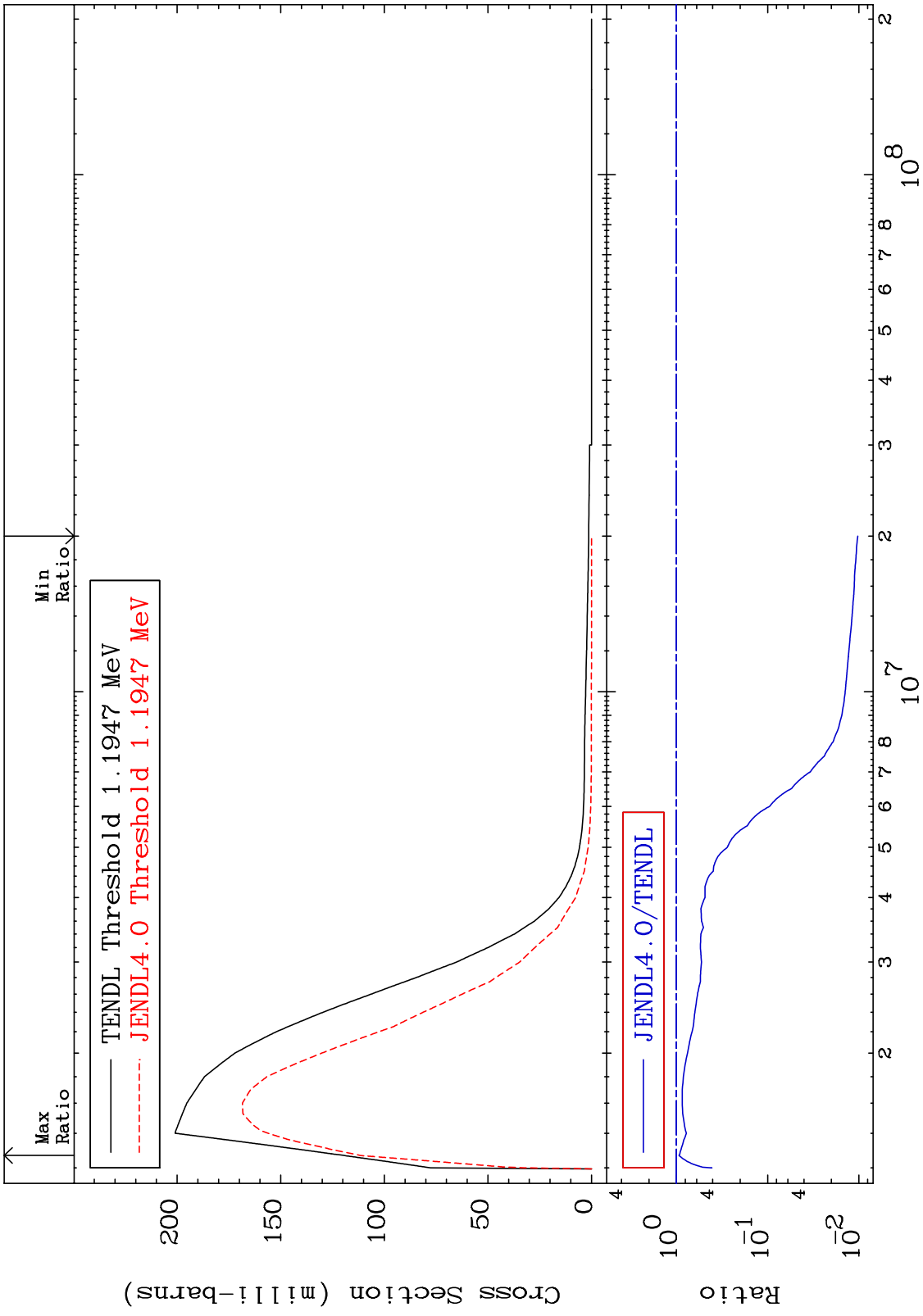
MAT 6443 MT= 58 (n,n') Level Cross Section 64-Gd-158 -28.17 To 9999. %



MAT 6443 MT= 59 (n, n') Level Cross Section 64-Gd-158 -97.54 To 31.27 %



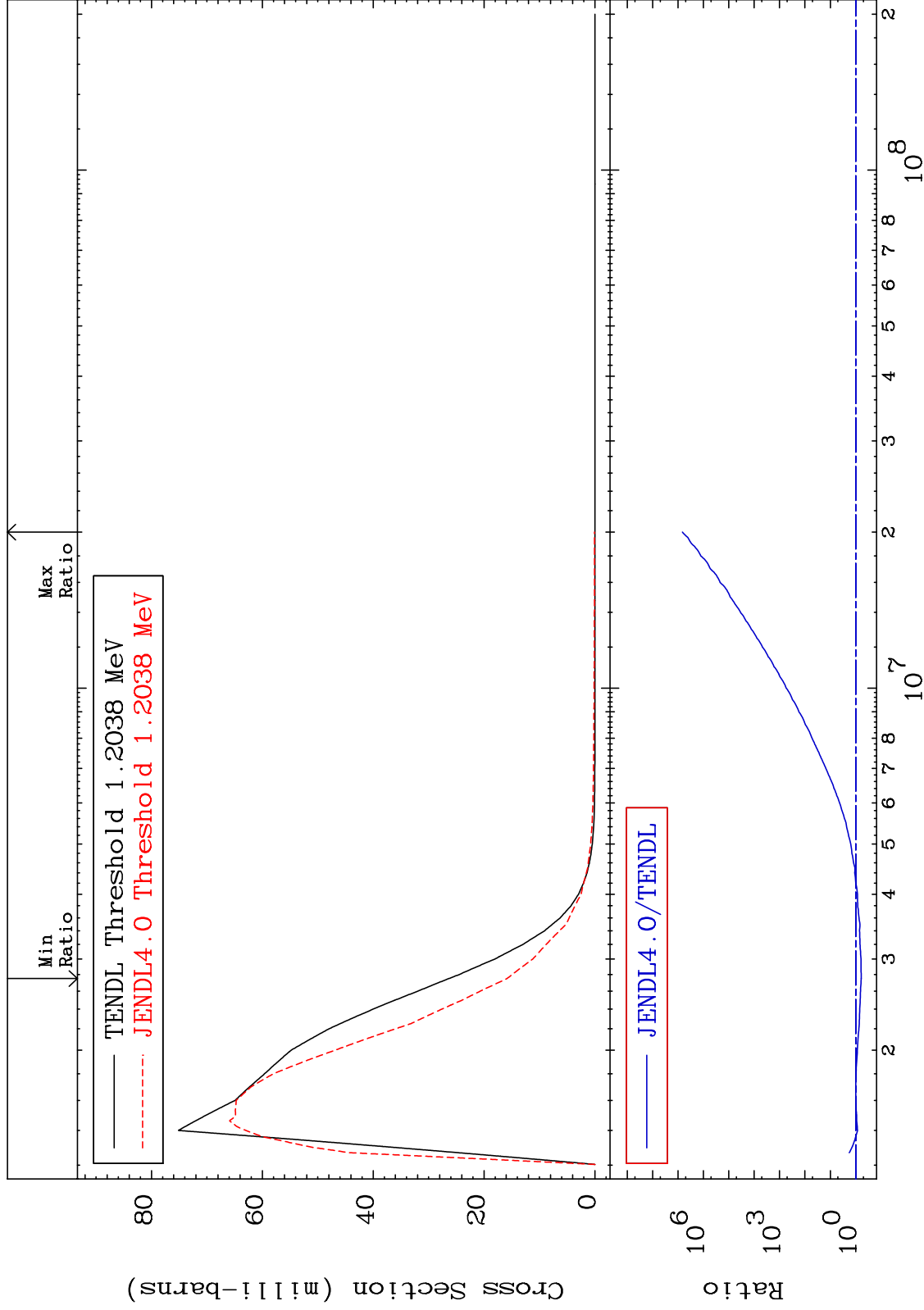
MAT 6443      MT= 60 (n,n') Level Cross Section      64-Gd-158  
 -98.97 To -6.450%



MAT 6443

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

64-Gd-158  
-39.83 To 9999. %

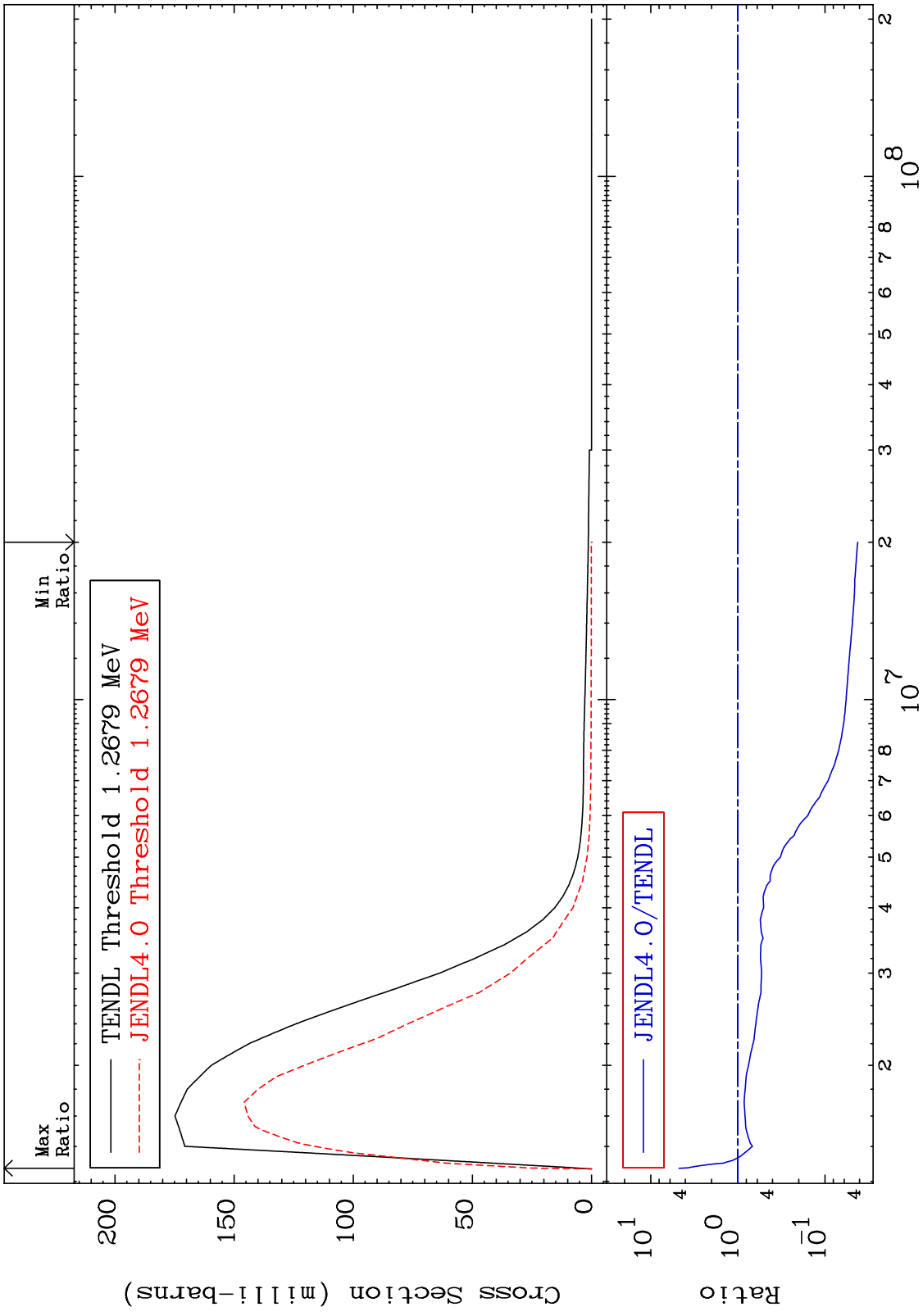


20

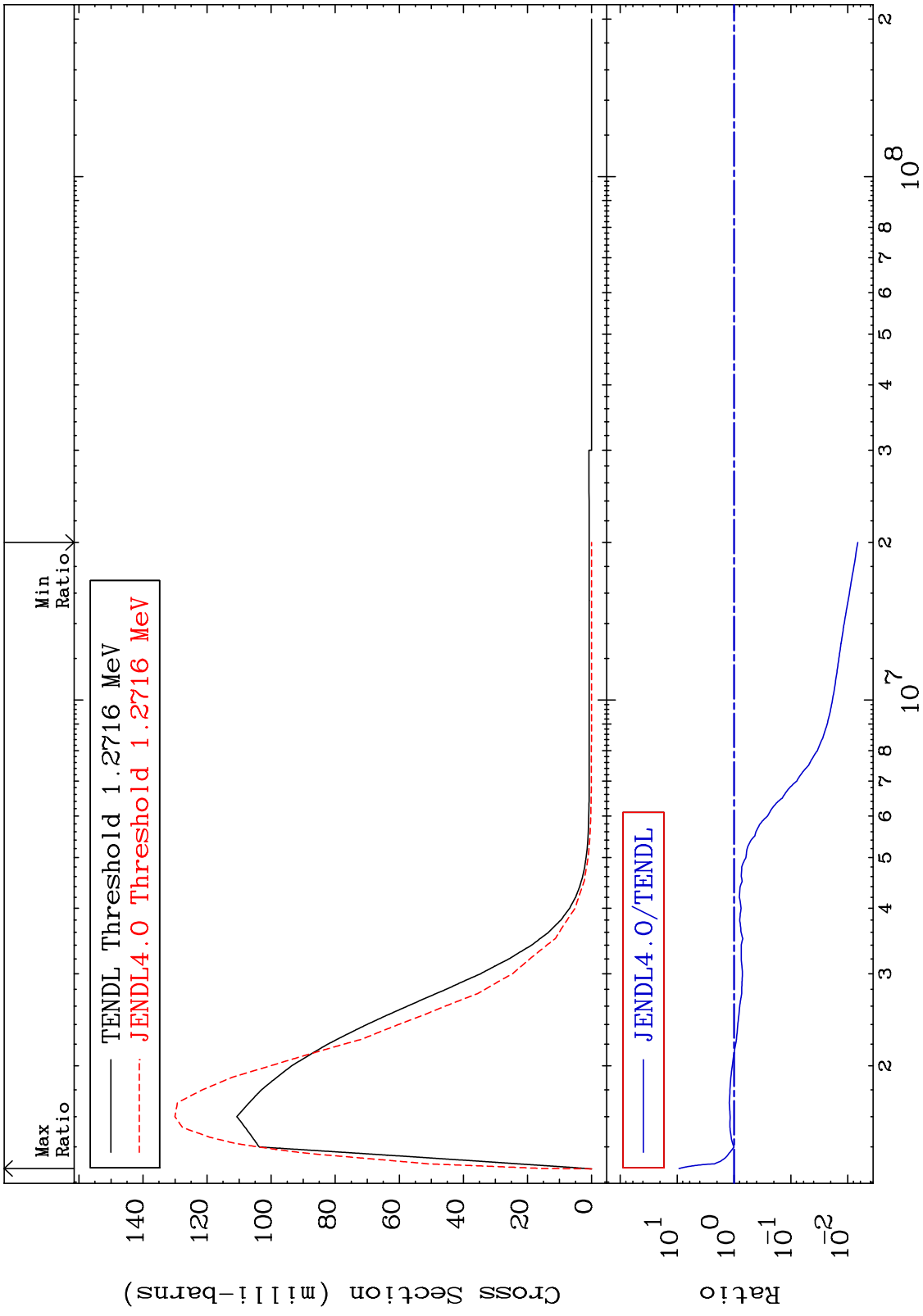
Incident Energy (eV)

64-Gd-158

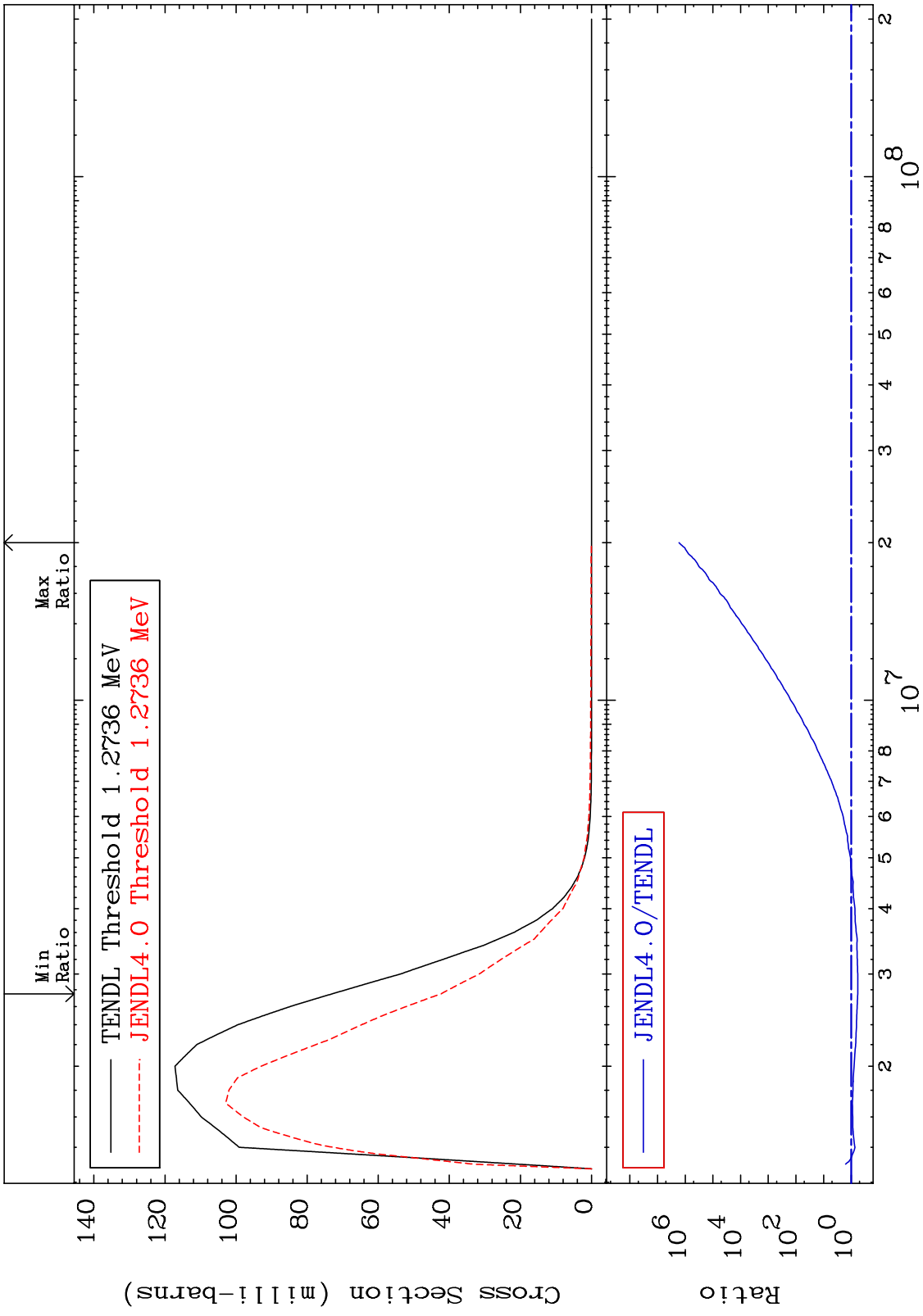
MAT 6443 MT= 62 (n,n') Level Cross Section 64-Gd-158 -95.81 To 372.8 %



MAT 6443 MT= 63 (n,n') Level Cross Section 64-Gd-158 -99.33 To 826.4 %

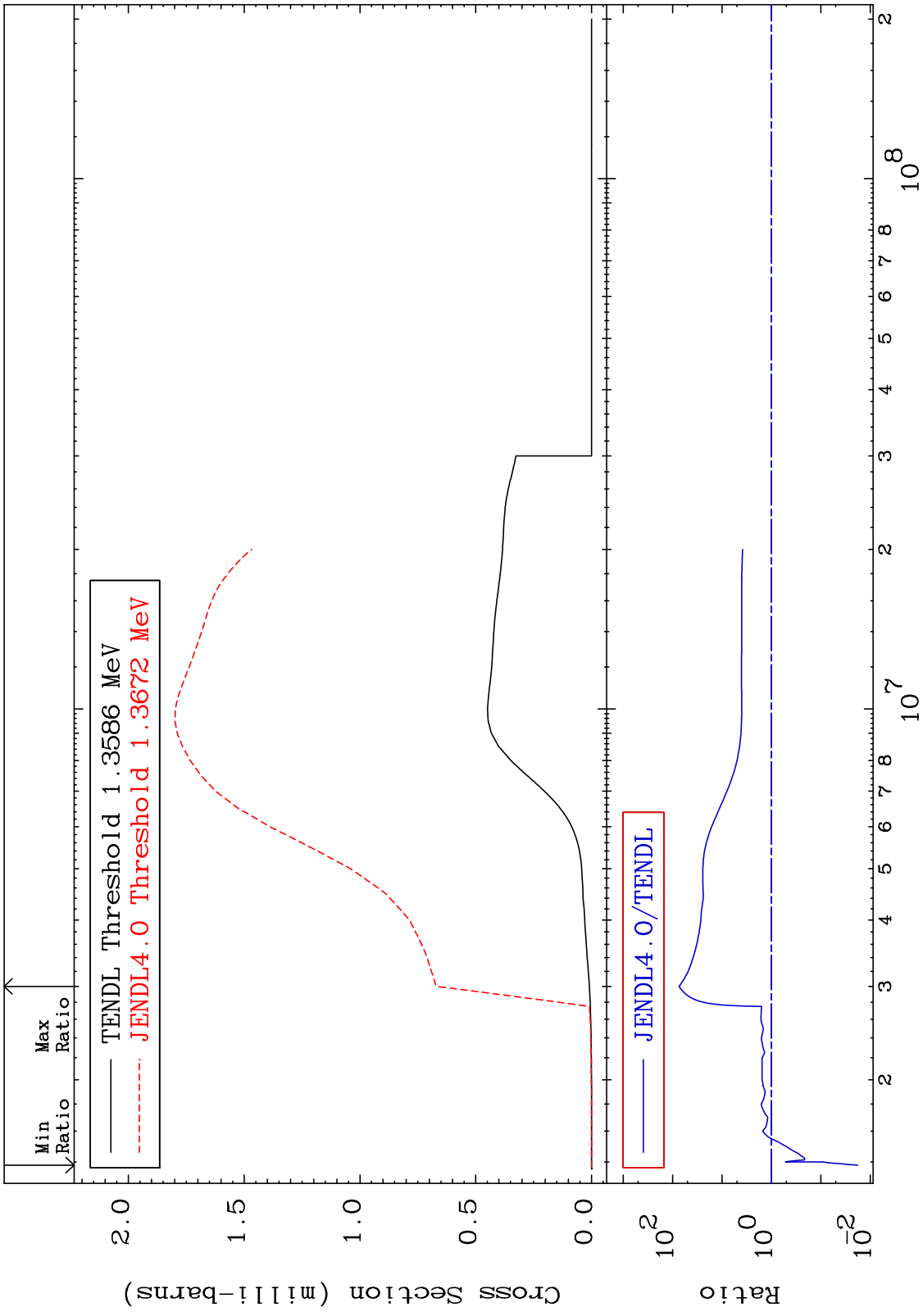


MAT 6443 MT= 64 (n,n') Level Cross Section 64-Gd-158  
 -41.95 To 9999. %





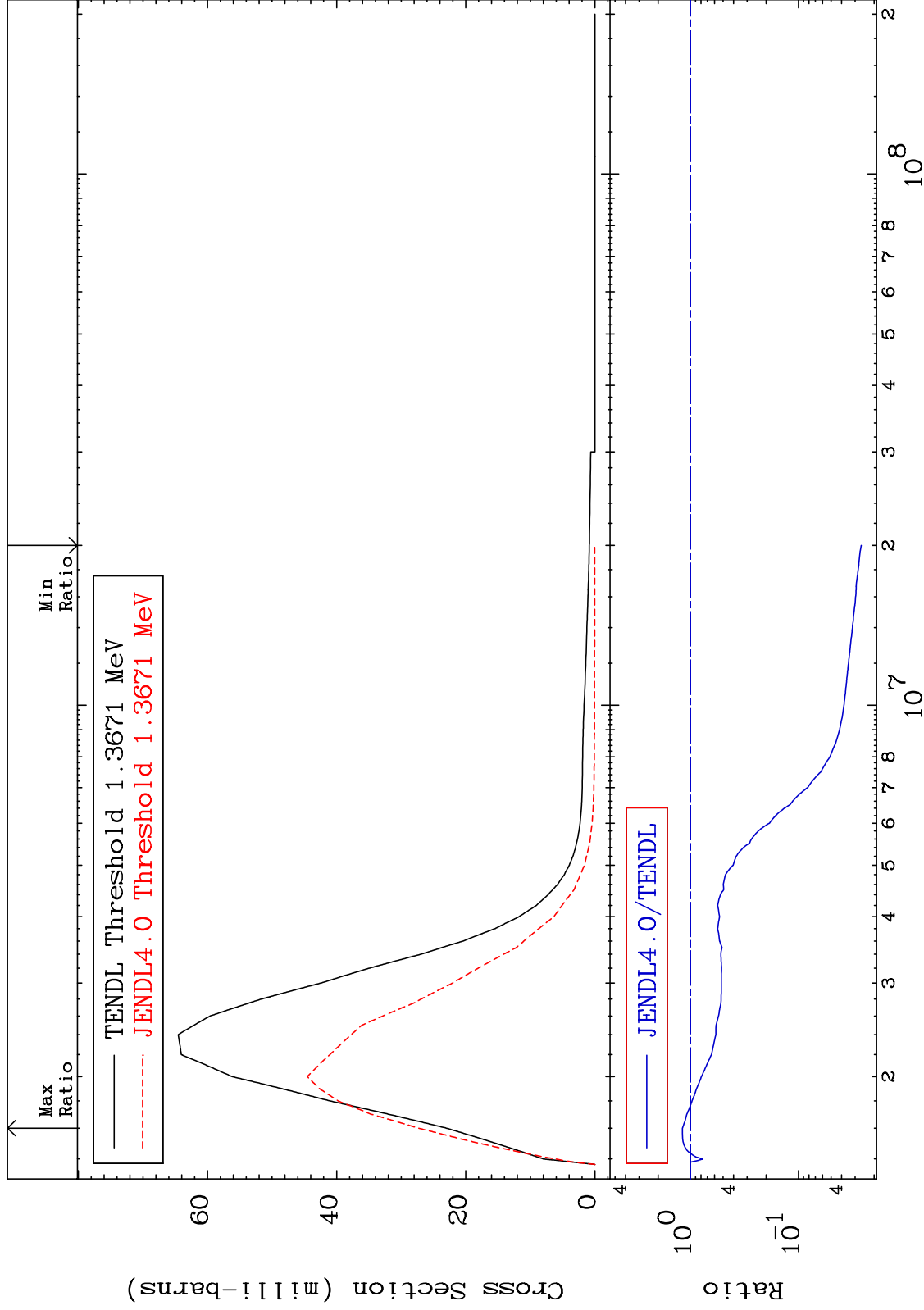
MAT 6443 MT= 65 (n,n') Level Cross Section 64-Gd-158 -98.21 To 7313. %



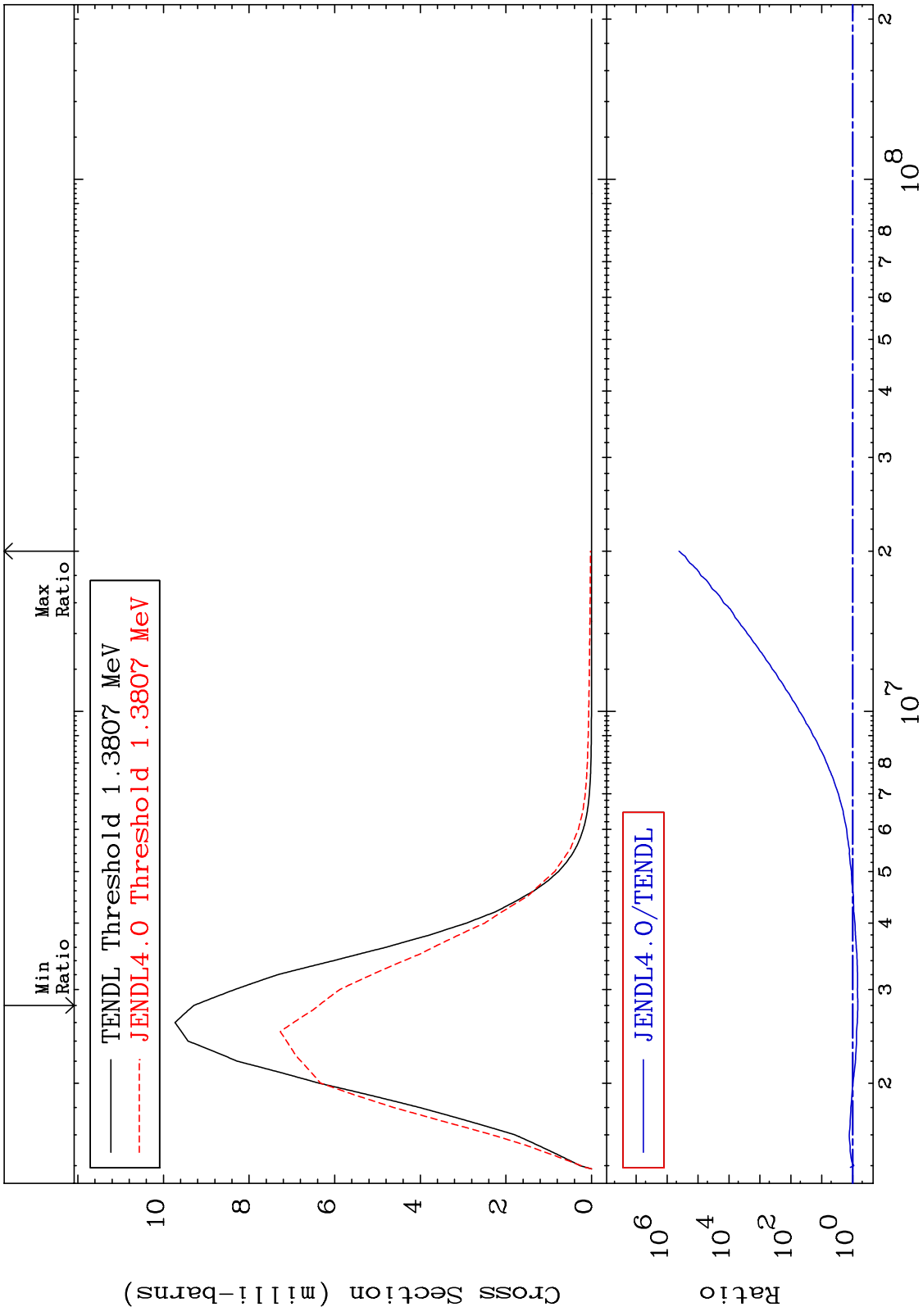
MAT 6443

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

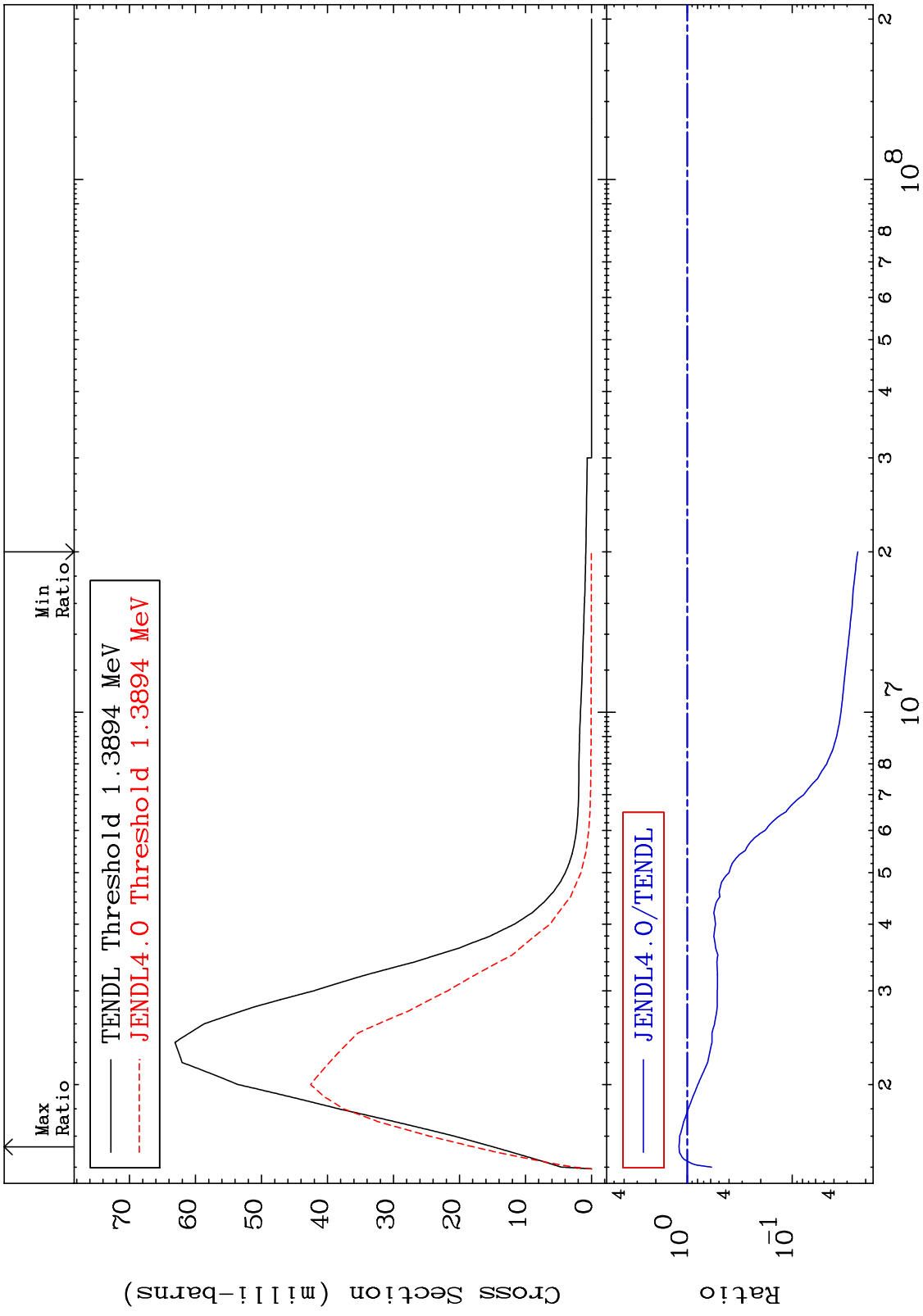
64-Gd-158  
-97.37 To 18.89 %



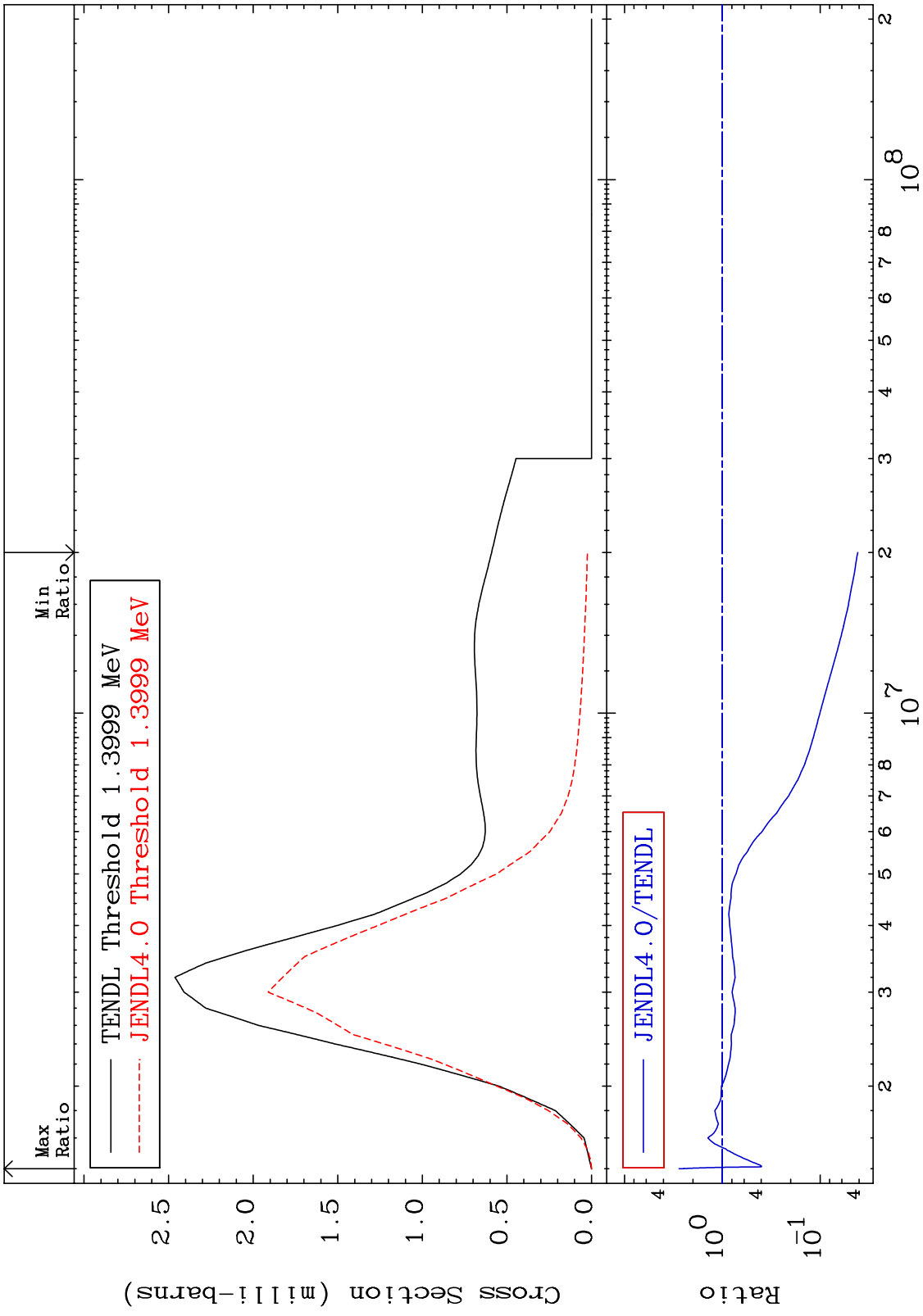
MAT 6443 MT= 67 (n,n') Level Cross Section 64-Gd-158  
 -31.41 To 9999. %



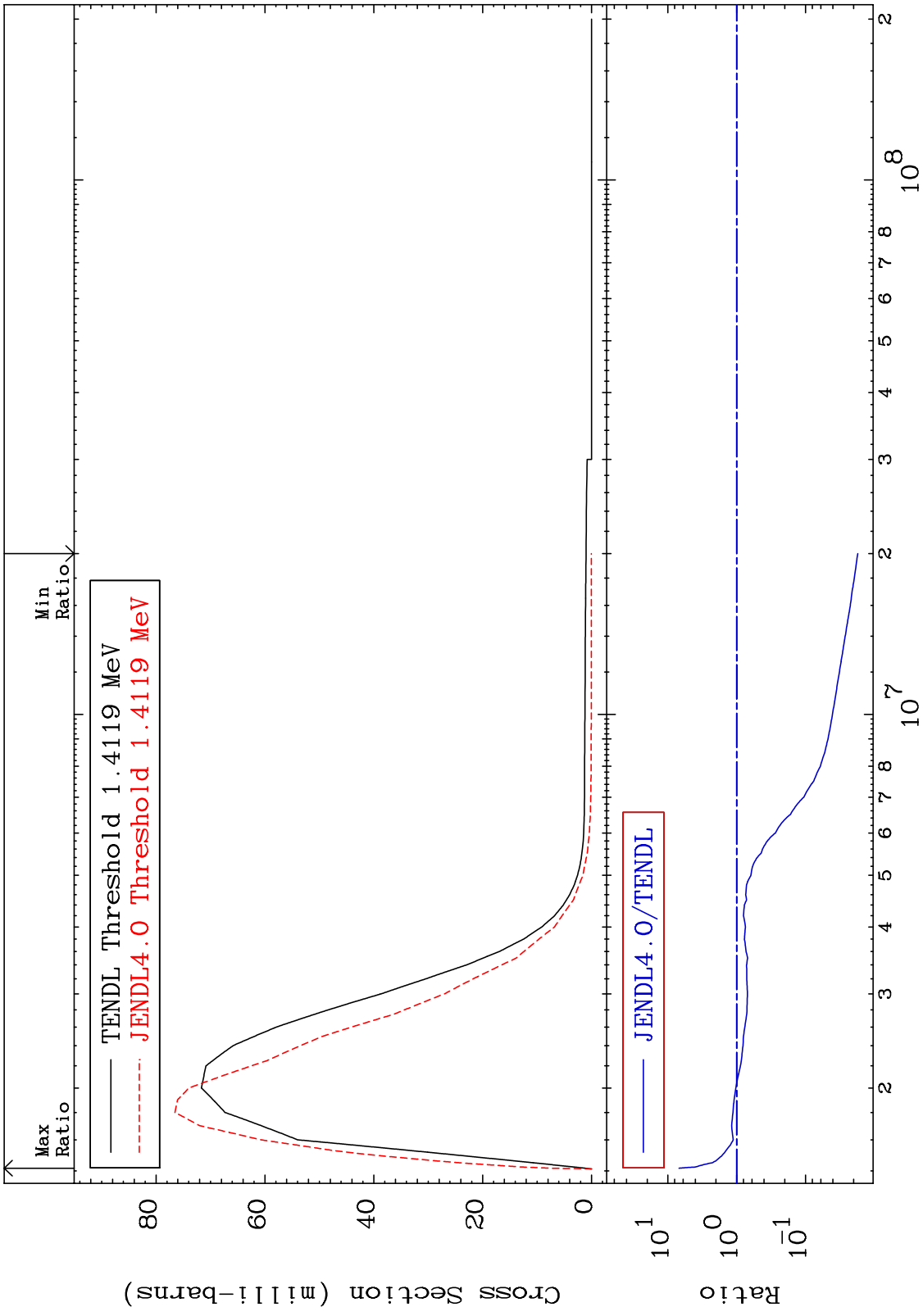
MAT 6443 MT= 68 (n,n') Level Cross Section 64-Gd-158 -97.63 To 19.93 %



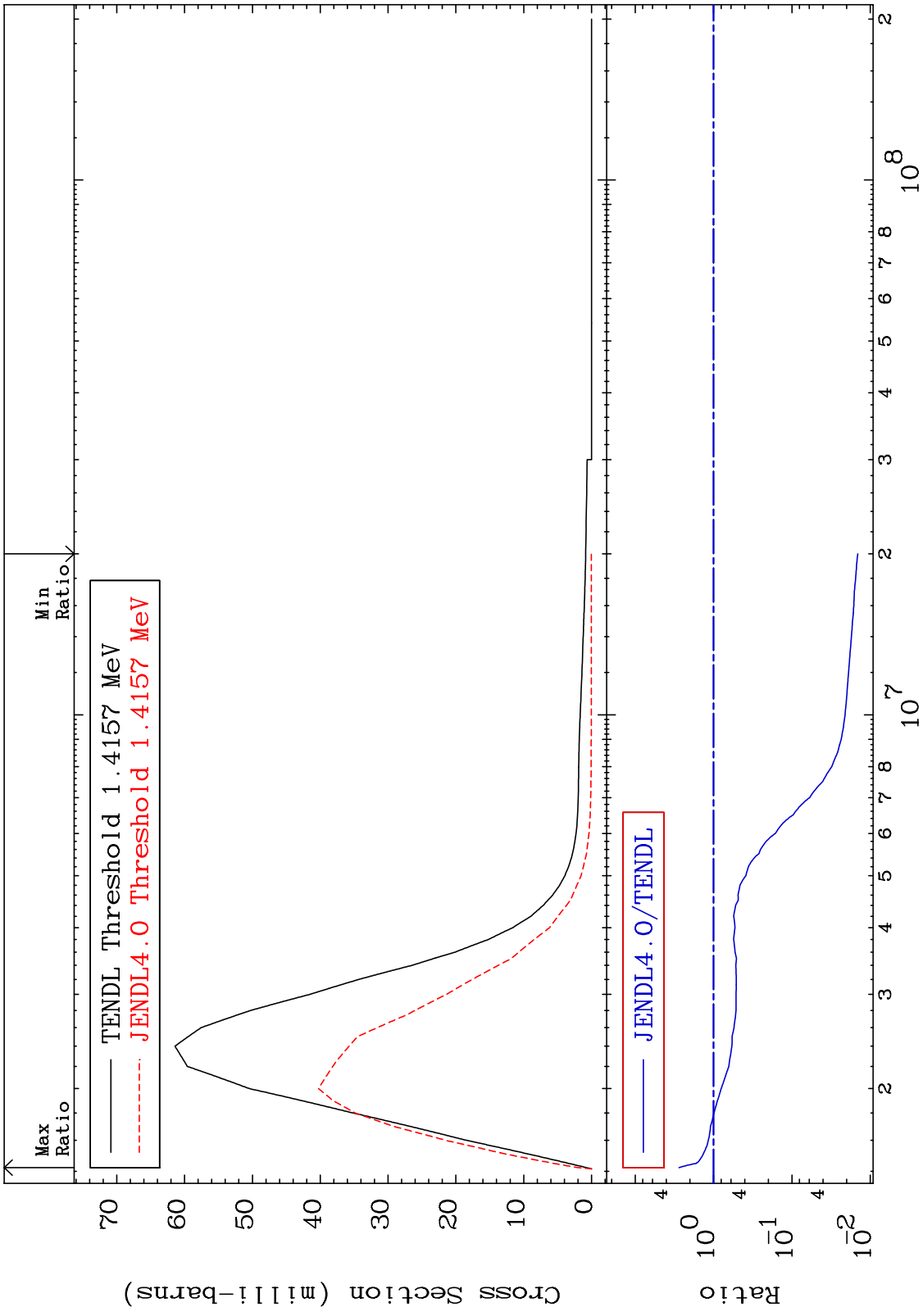
MAT 6443 MT= 69 (n,n') Level Cross Section 64-Gd-158 -95.88 To 177.0 %



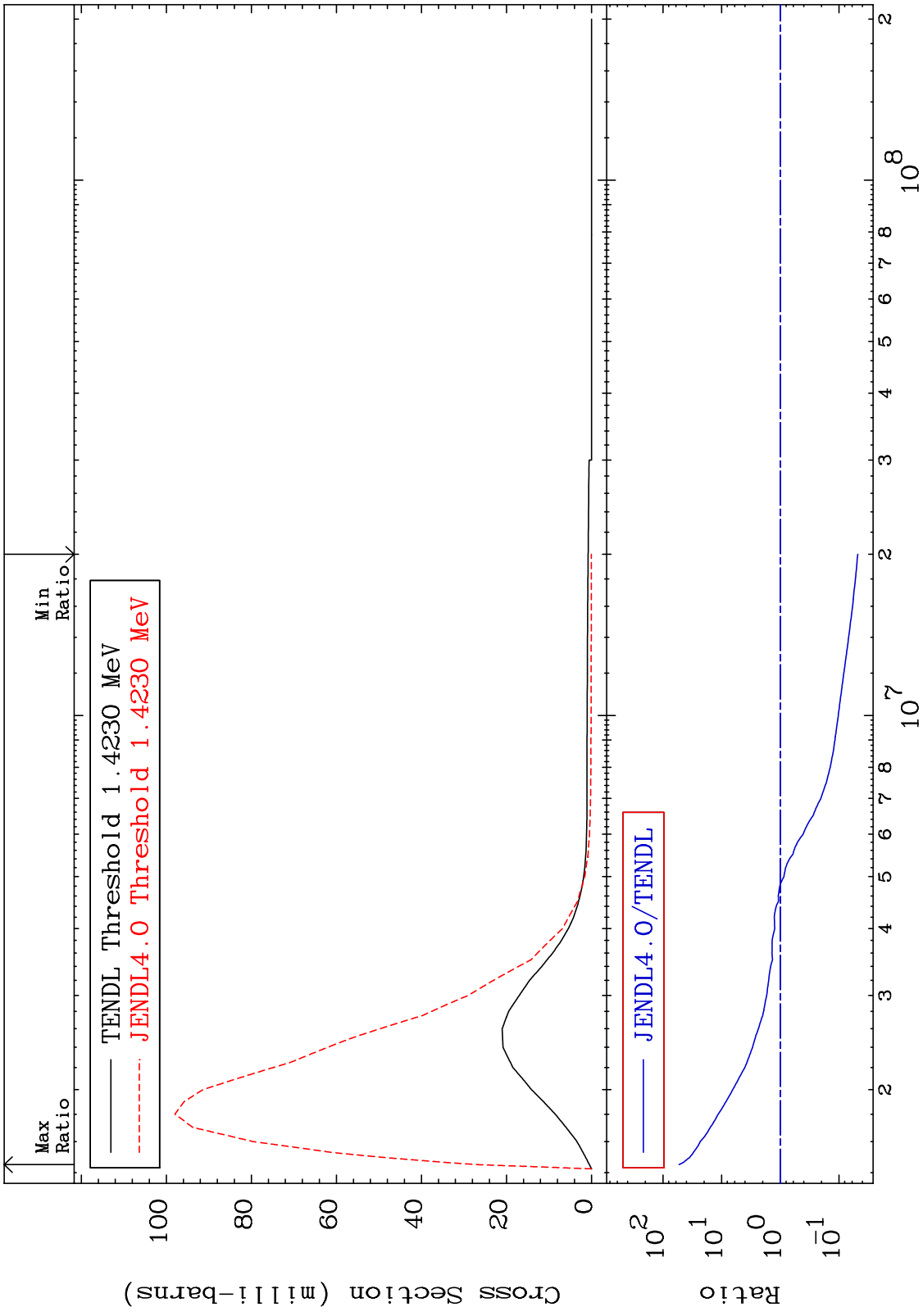
MAT 6443 MT= 70 (n,n') Level Cross Section 64-Gd-158 -98.26 To 588.8 %



MAT 6443 MT= 71 (n,n') Level Cross Section 64-Gd-158 -98.56 To 175.6 %

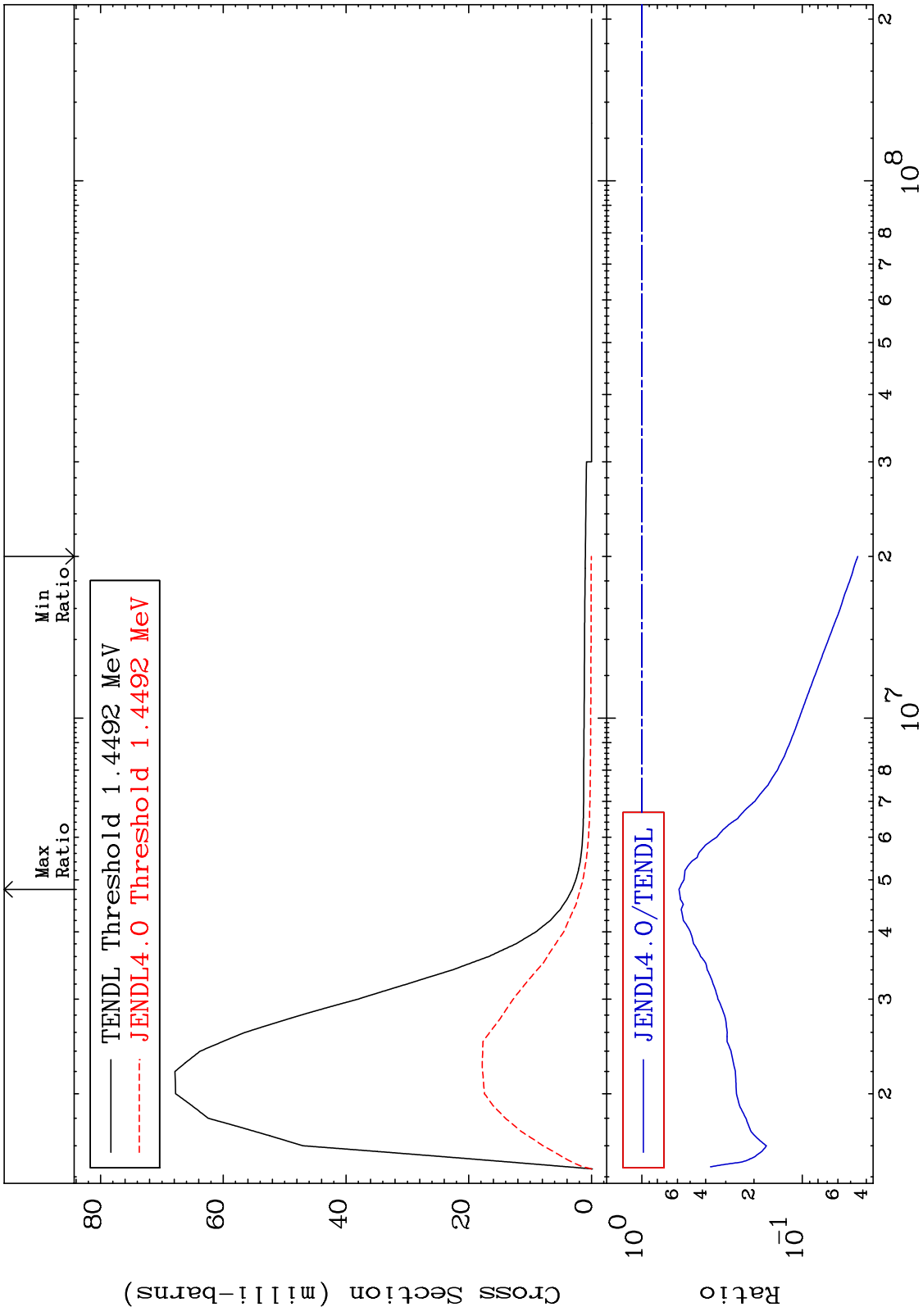


MAT 6443 MT= 72 (n,n') Level Cross Section 64-Gd-158 -95.21 To 5227. %





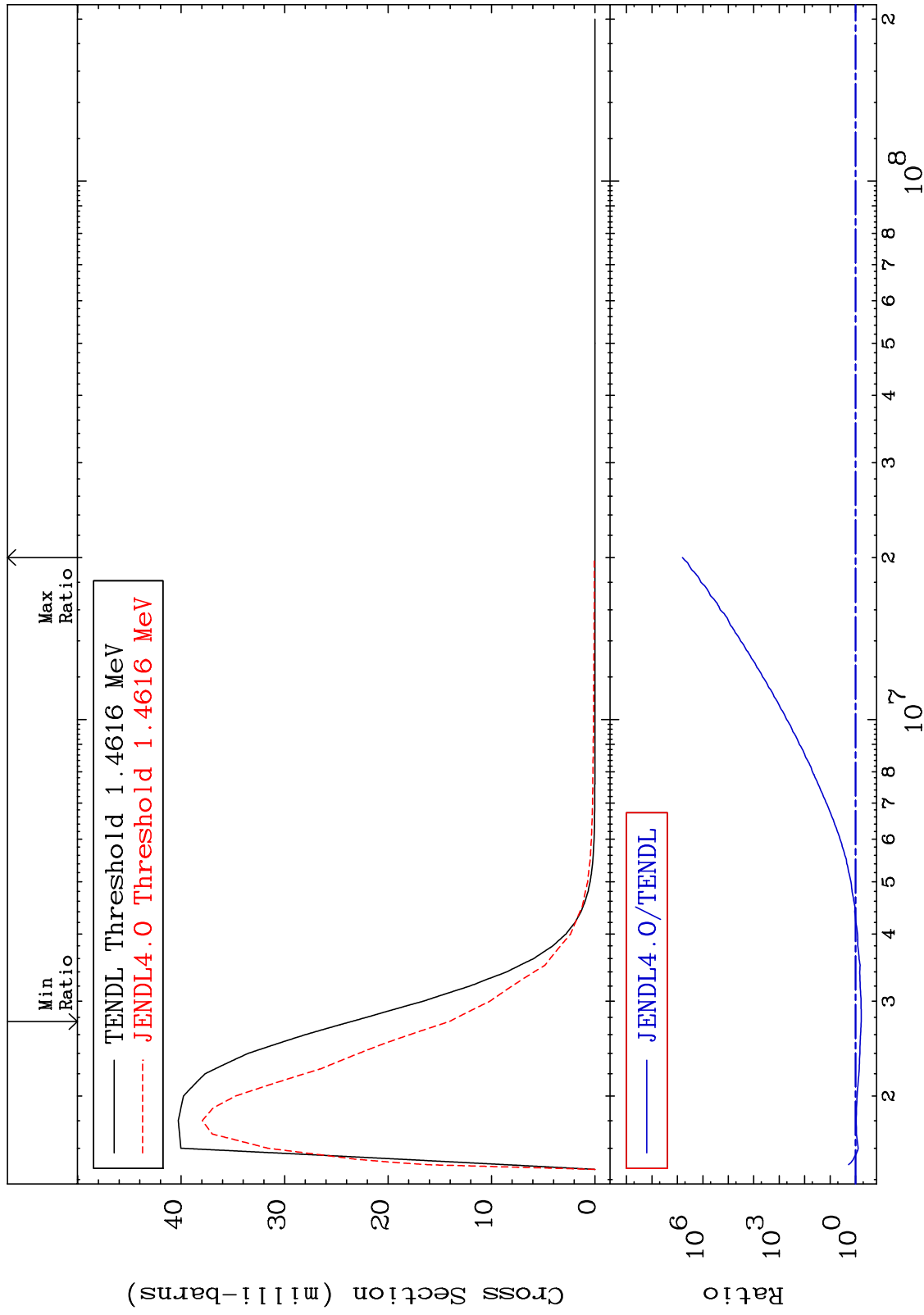
MAT 6443 MT= 73 (n,n') Level Cross Section 64-Gd-158 -95.49 To -41.35%



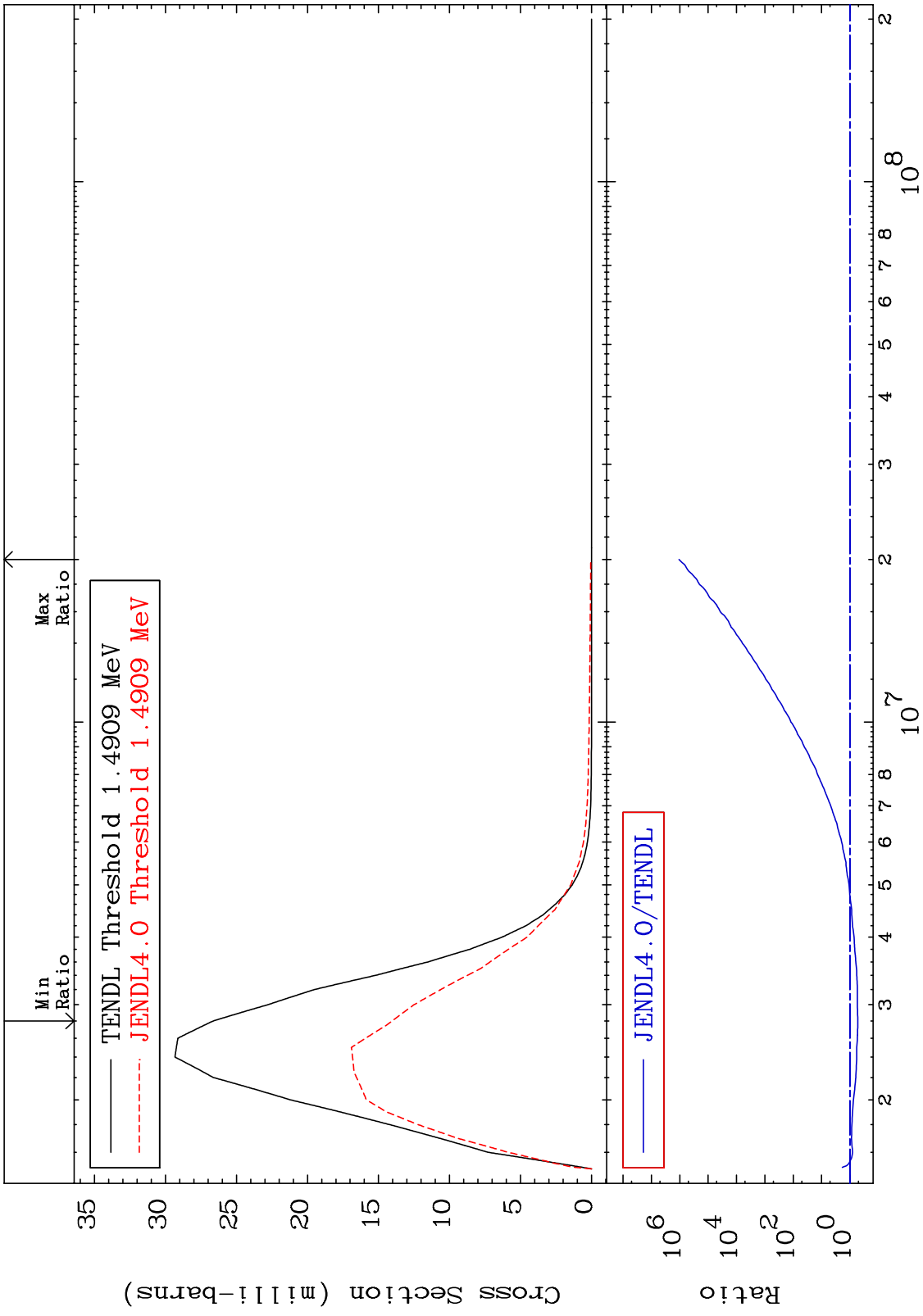
MAT 6443

MT= 74 (n,n') Level  
Cross Section

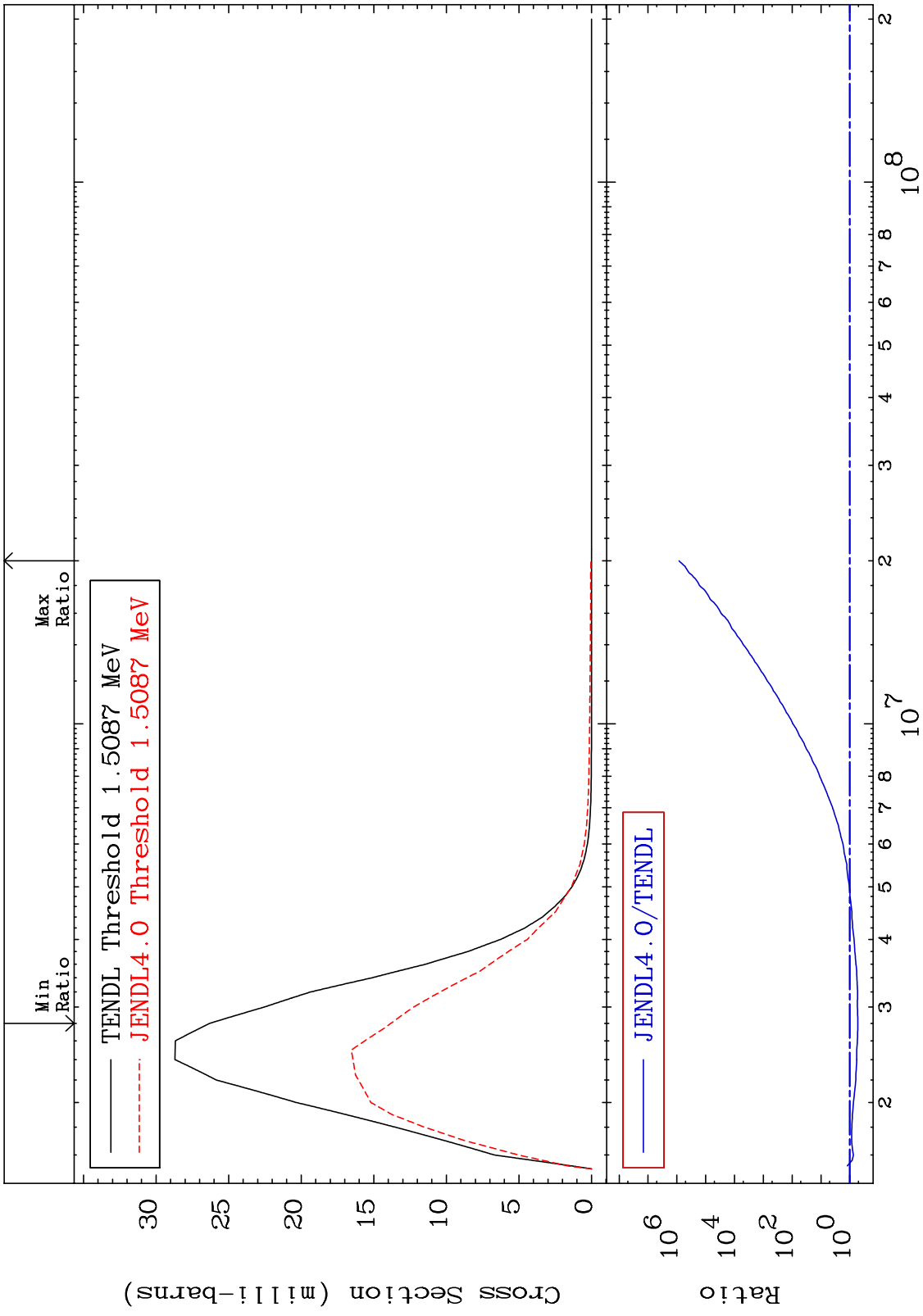
64-Gd-158  
-40.22 To 9999. %



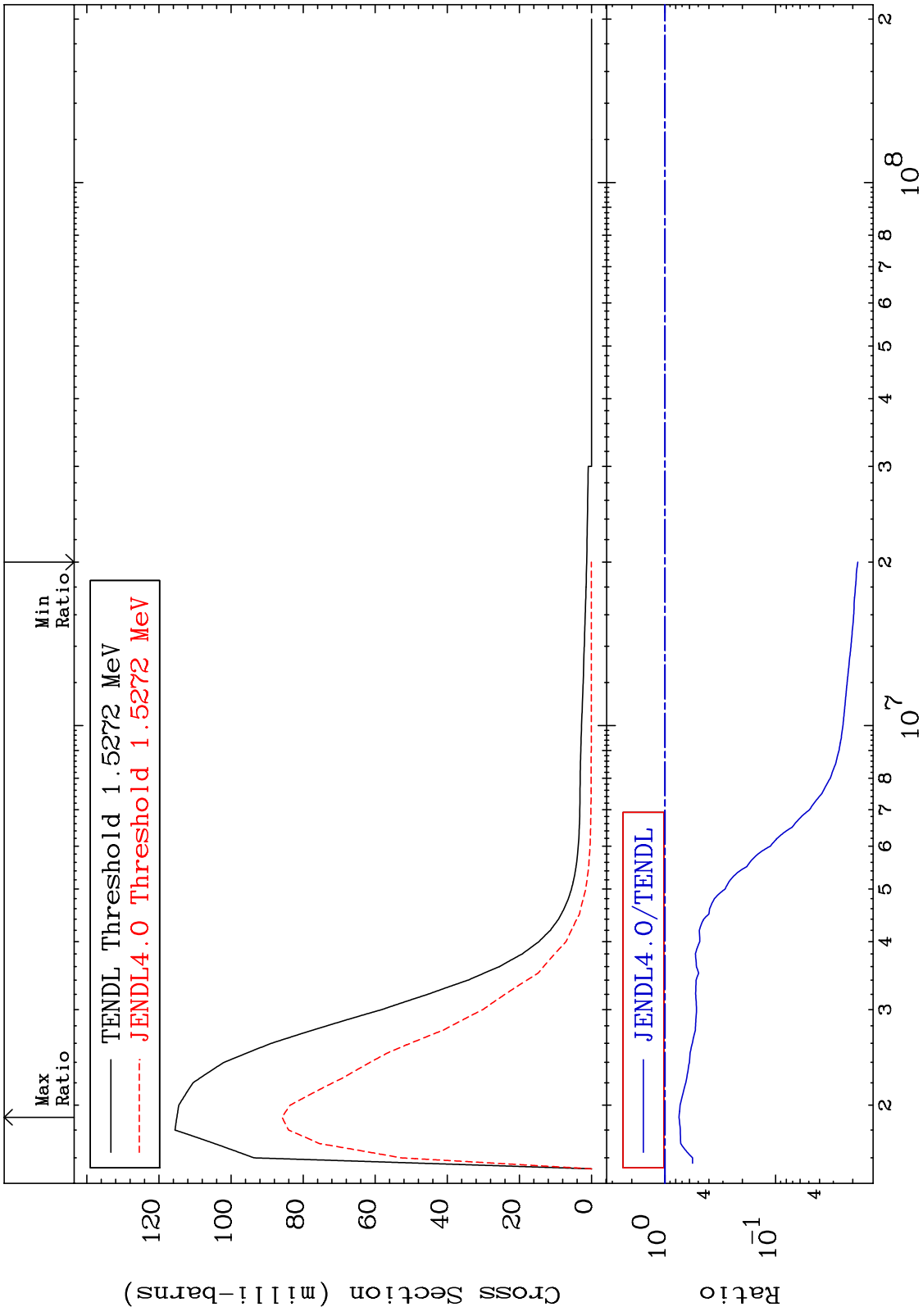
MAT 6443 MT= 75 (n,n') Level Cross Section 64-Gd-158  
 -47.28 To 9999. %



MAT 6443 MT= 76 (n,n') Level Cross Section 64-Gd-158  
 -47.45 To 9999. %



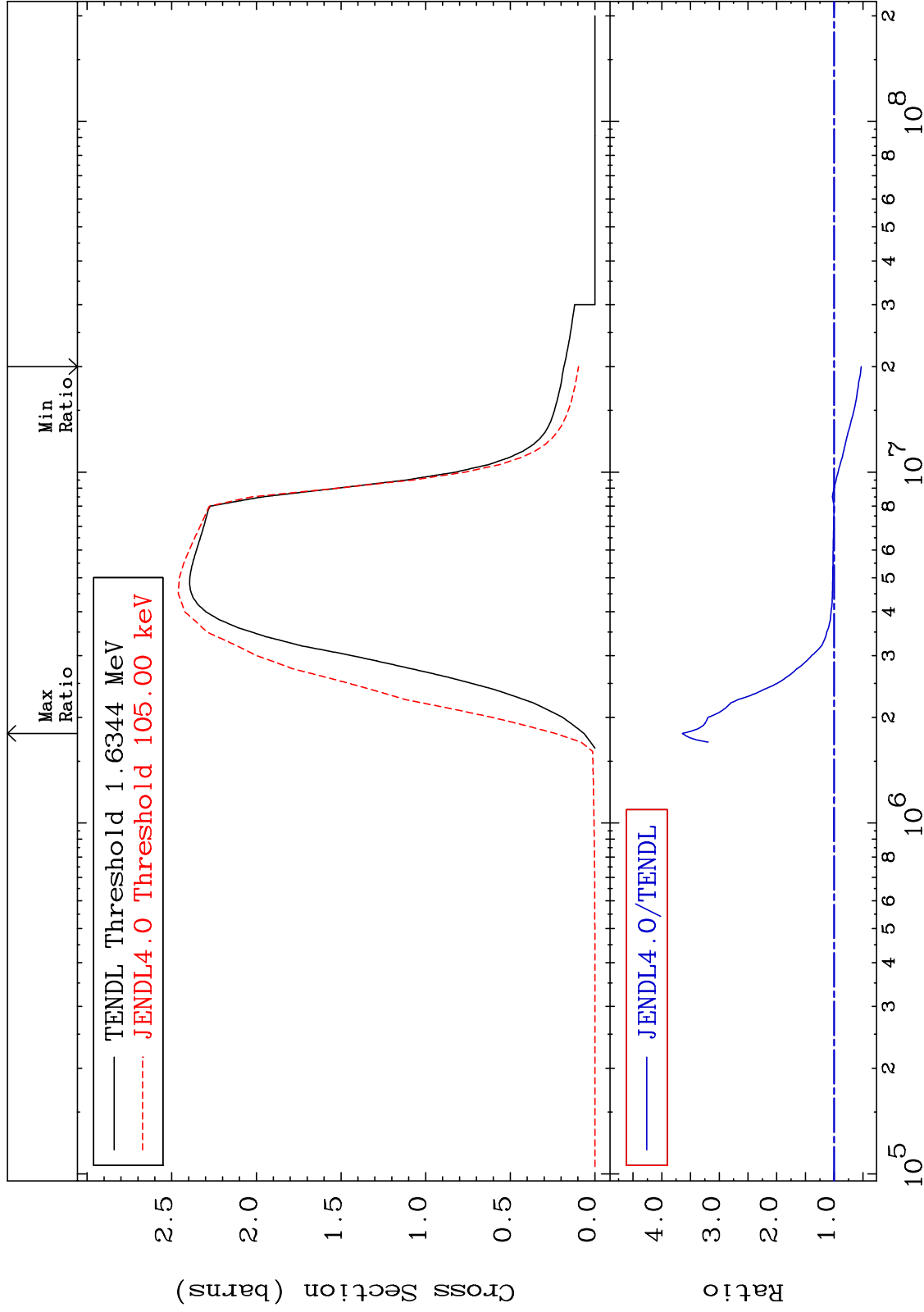
MAT 6443 MT= 77 (n,n') Level Cross Section 64-Gd-158  
 -98.20 To -25.36%



MAT 6443

(n, n') Continuum  
Cross Section

64-Gd-158  
-47.10 To 264.0 %



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Incident Energy (eV)

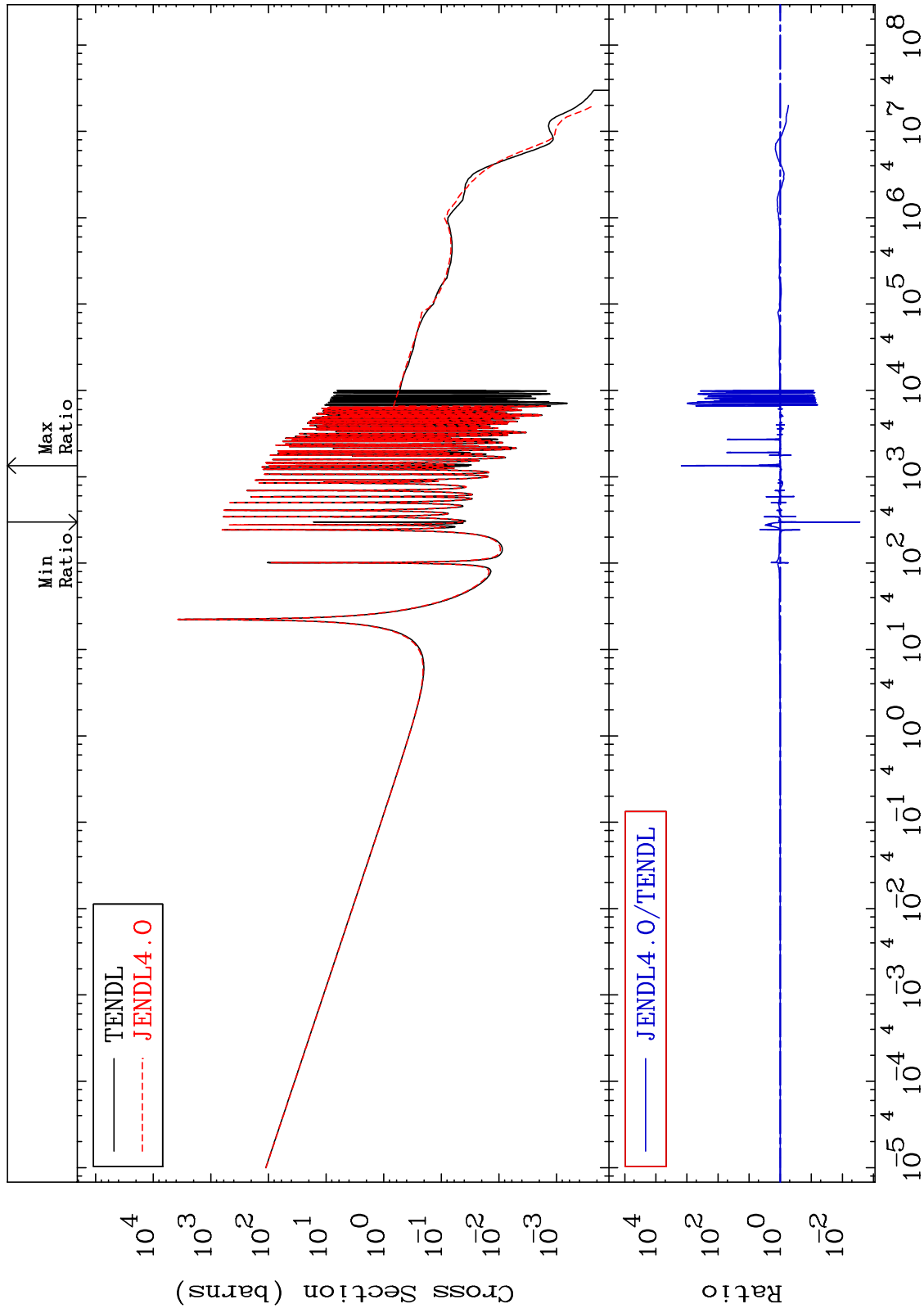
64-Gd-158

MAT 6443

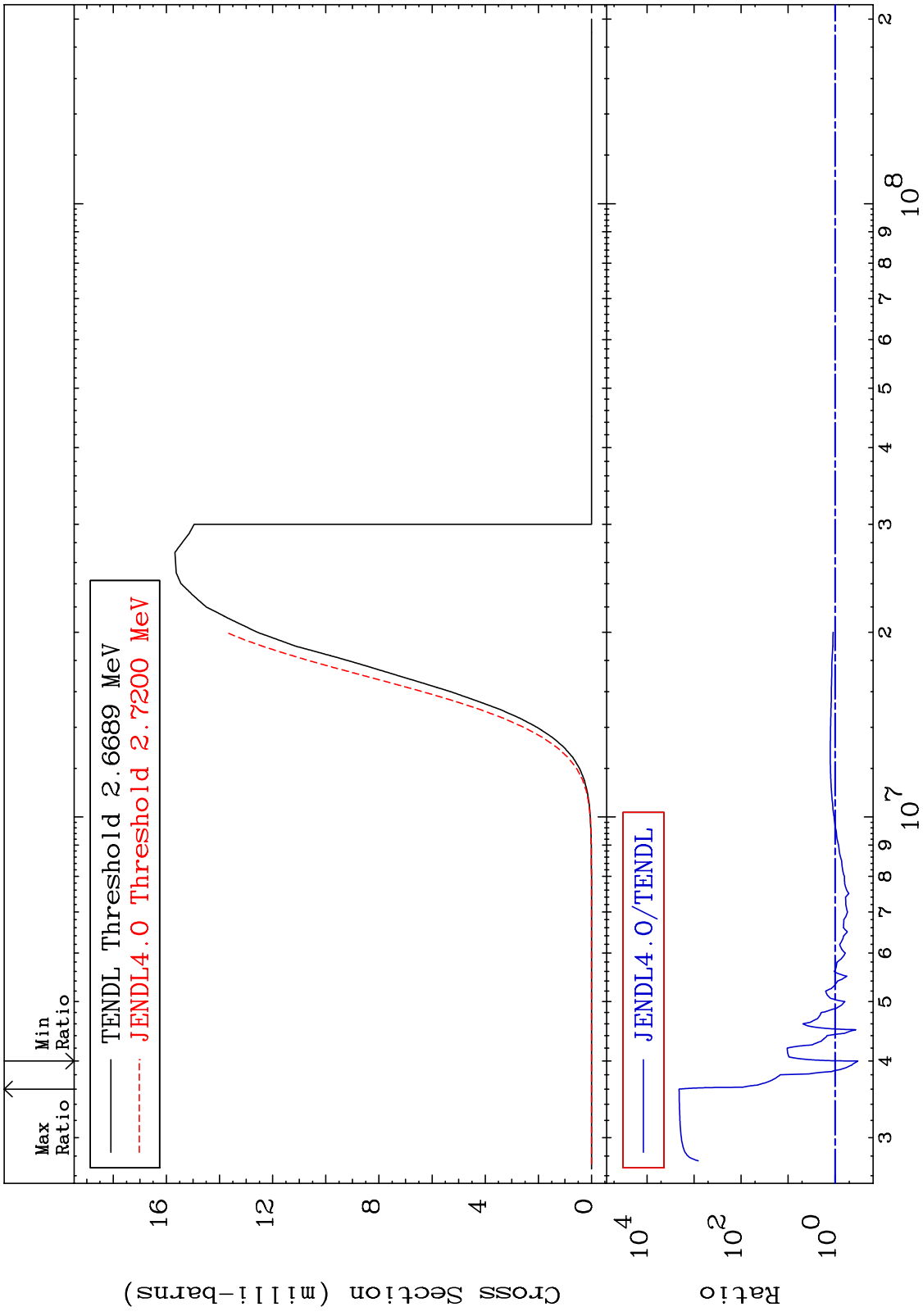
(n,  $\gamma$ )

64-Gd-158

-99.72 To 9999. %

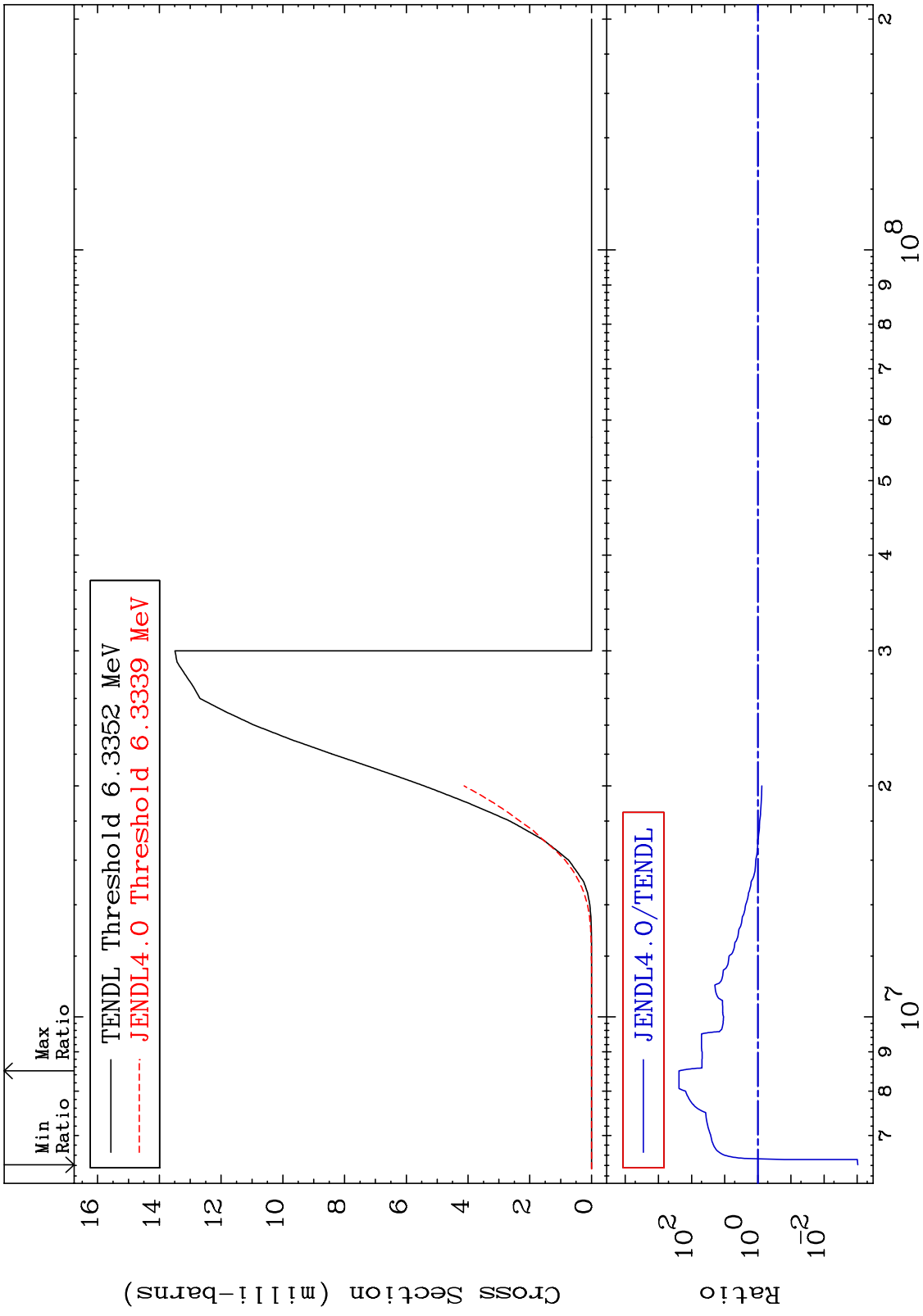


MAT 6443 (n,p) Cross Section 64-Gd-158  
 -67.31 To 9999. %

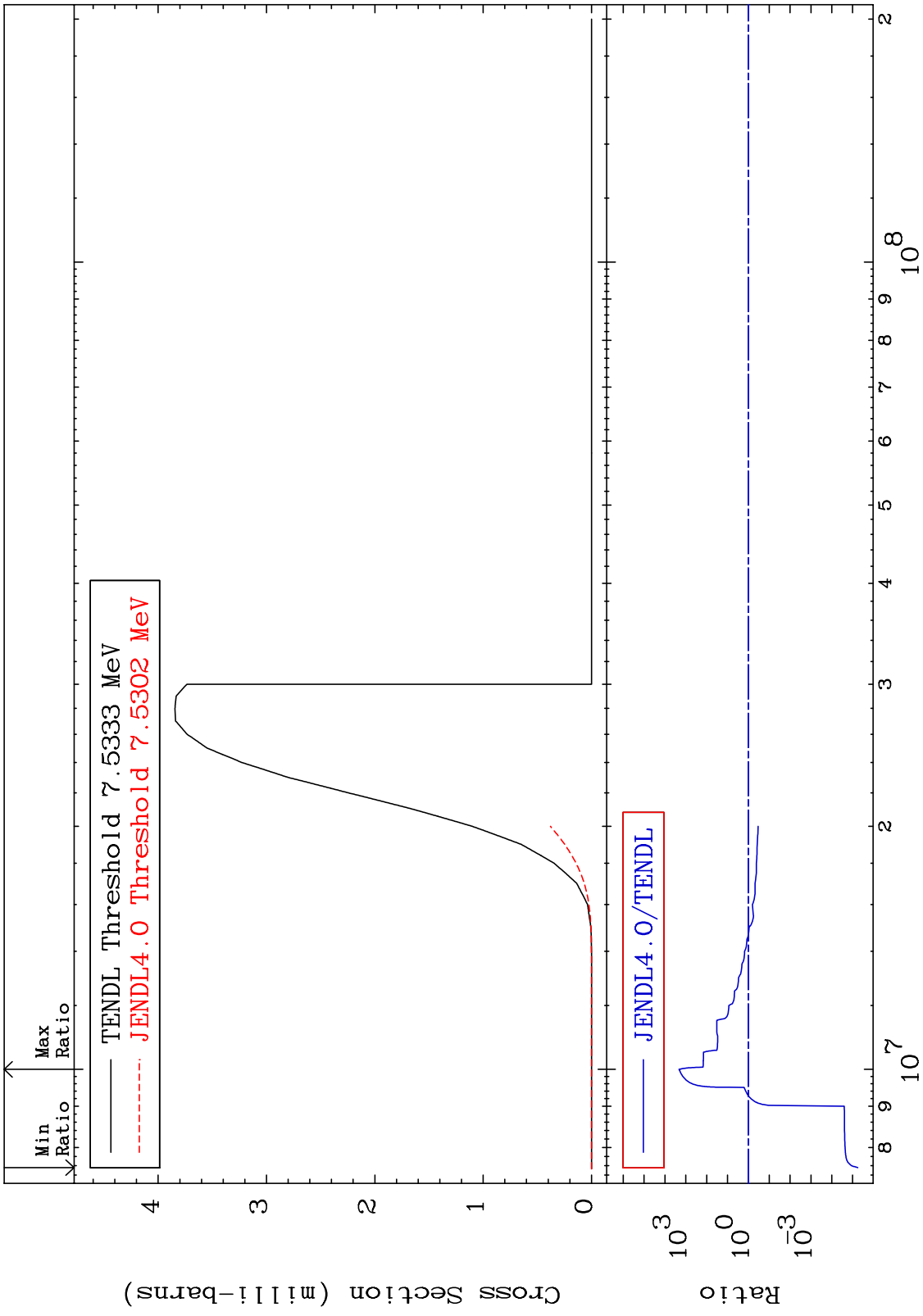


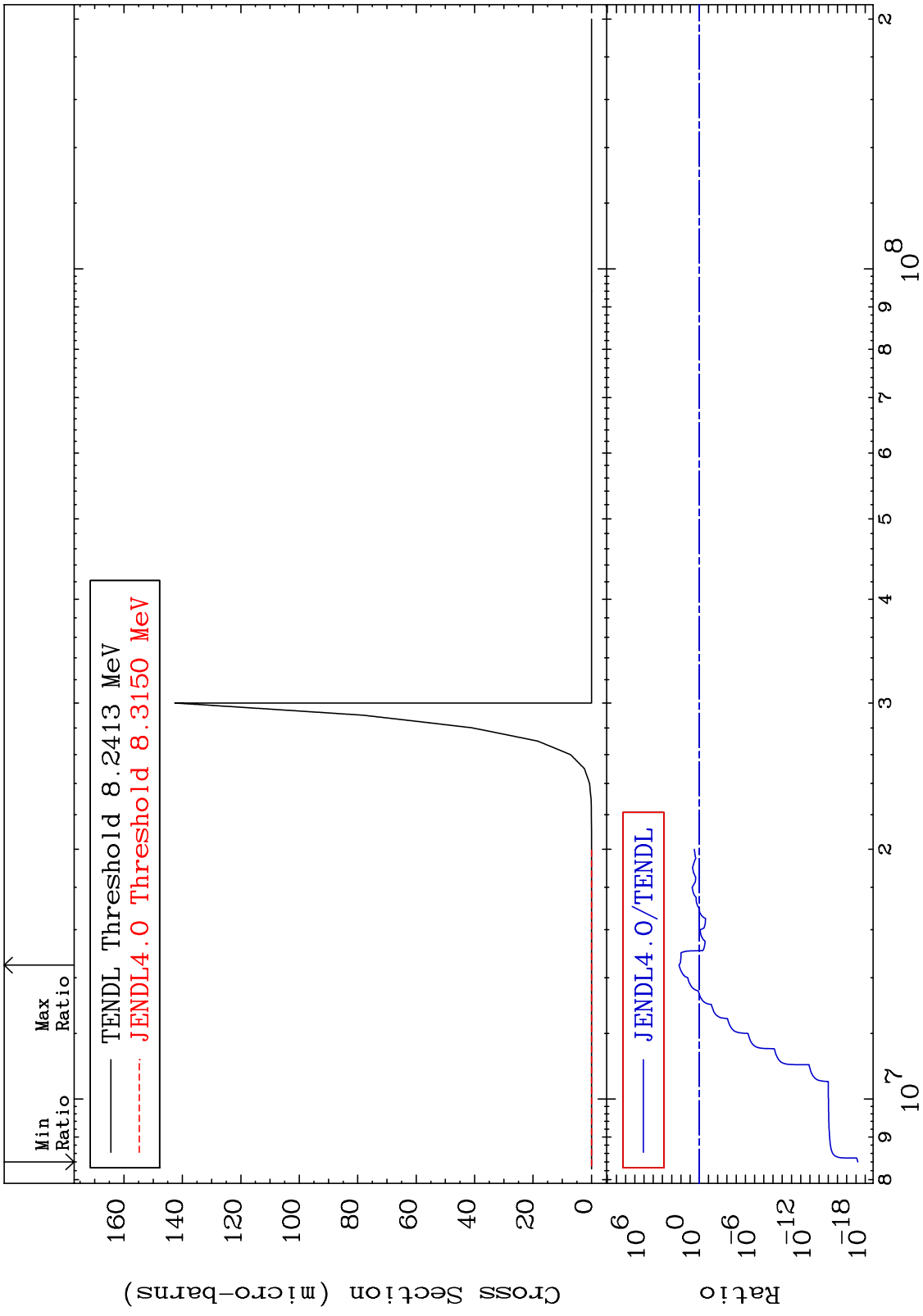


MAT 6443 (n,d) Cross Section 64-Gd-158 -99.90 To 9999. %

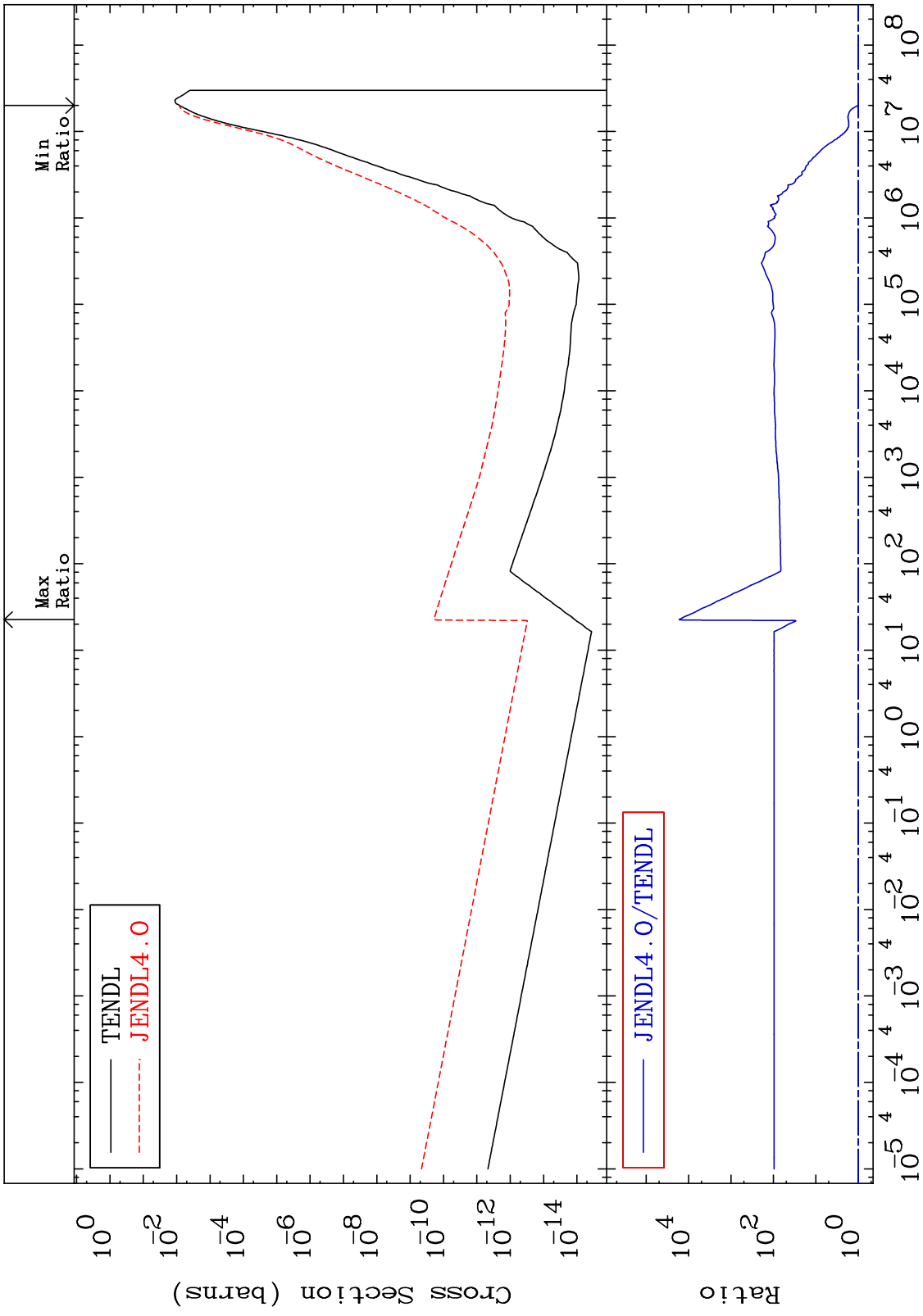


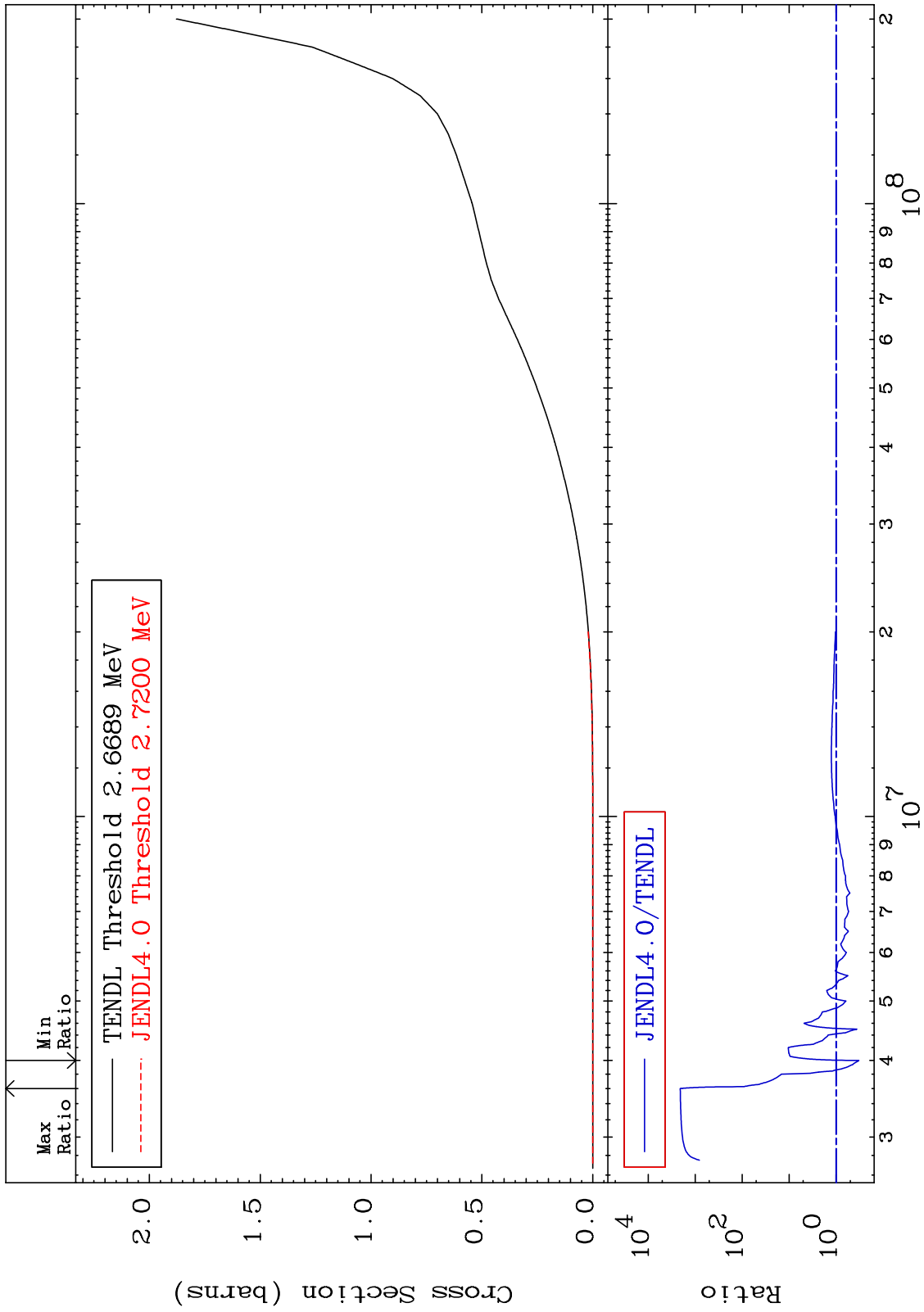
MAT 6443 (n,t) 64-Gd-158  
 Cross Section -100.0 To 9999. %





MAT 6443 64-Gd-158  
2.656 To 9999. %  
Cross Section  
(n,  $\alpha$ )

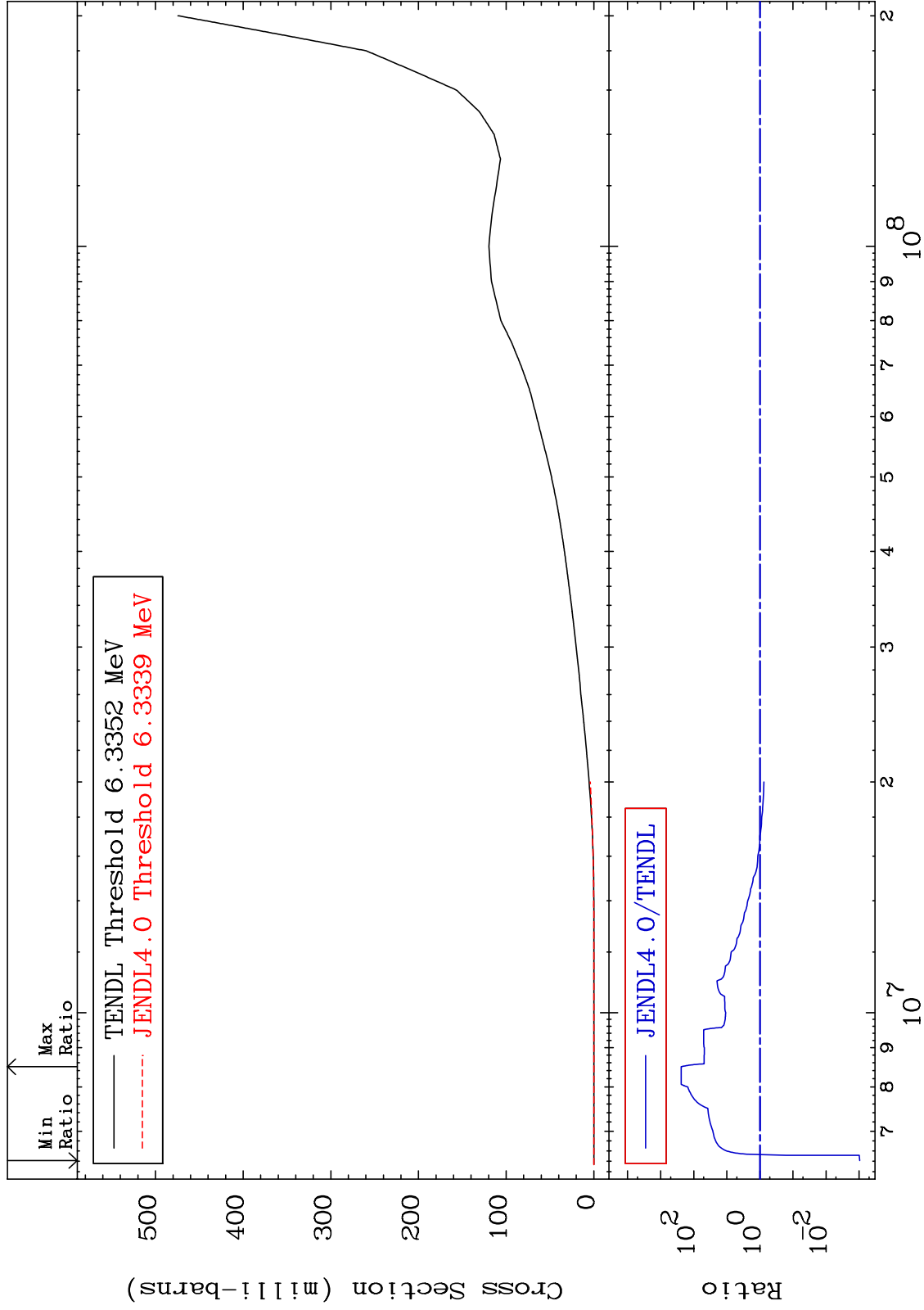




MAT 6443

Deuterium Production  
Cross Section

64-Gd-158  
-99.90 To 9999. %



45

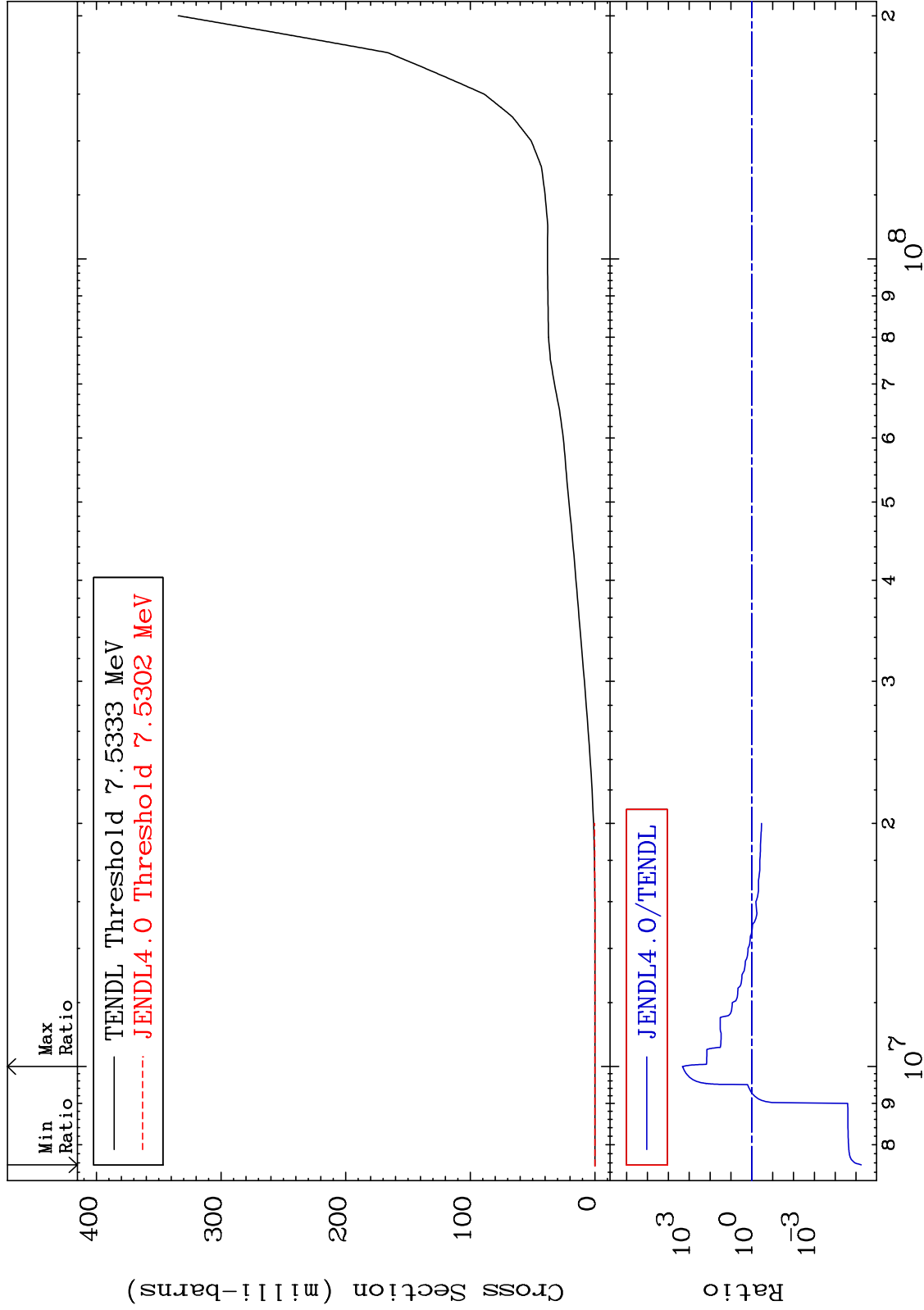
Incident Energy (eV)

64-Gd-158

MAT 6443

Tritium Production  
Cross Section

64-Gd-158  
-100.0 To 9999. %



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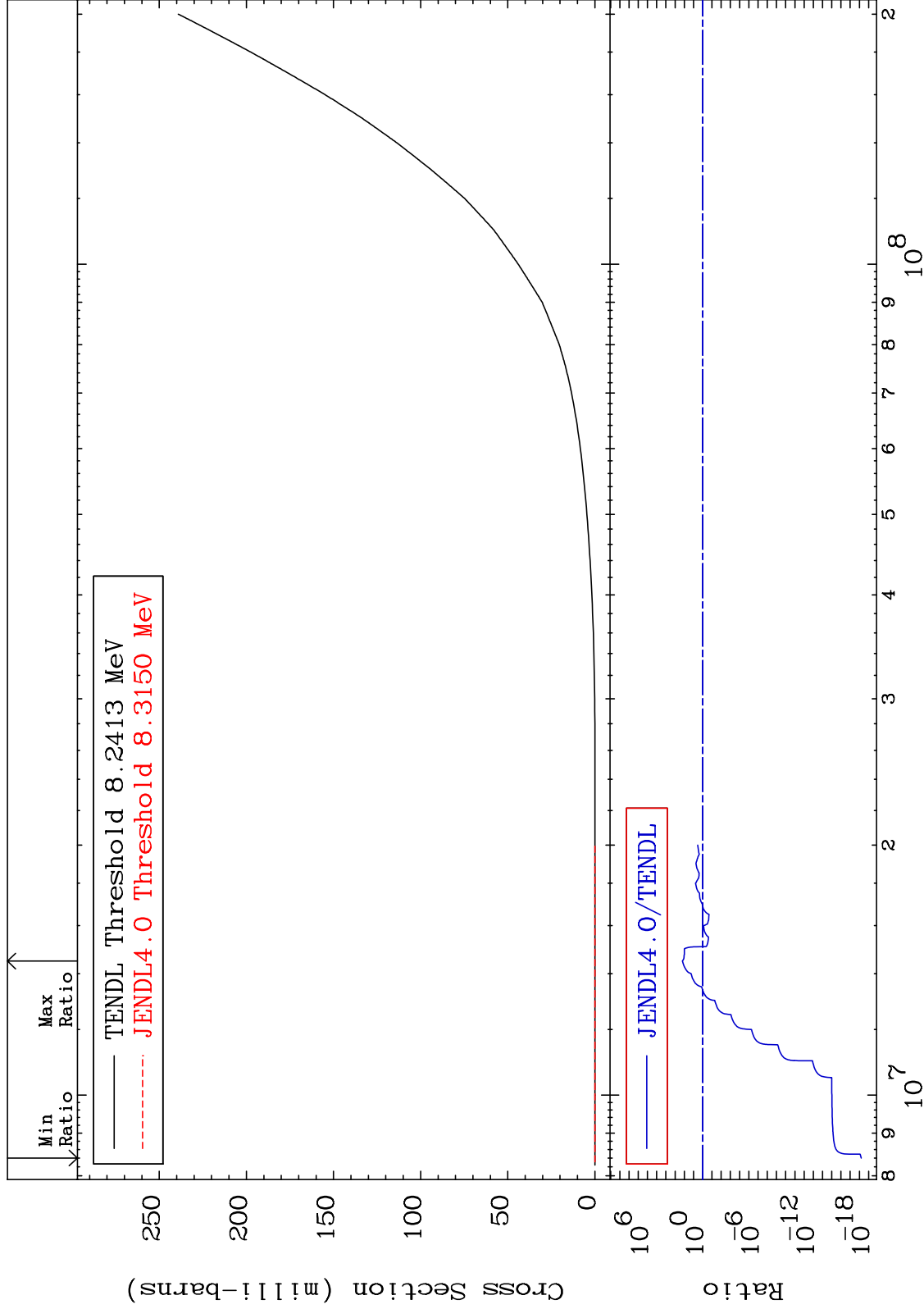
Incident Energy (eV)

64-Gd-158

MAT 6443

He-3 Production  
Cross Section

64-Gd-158  
-100.0 To 9999. %

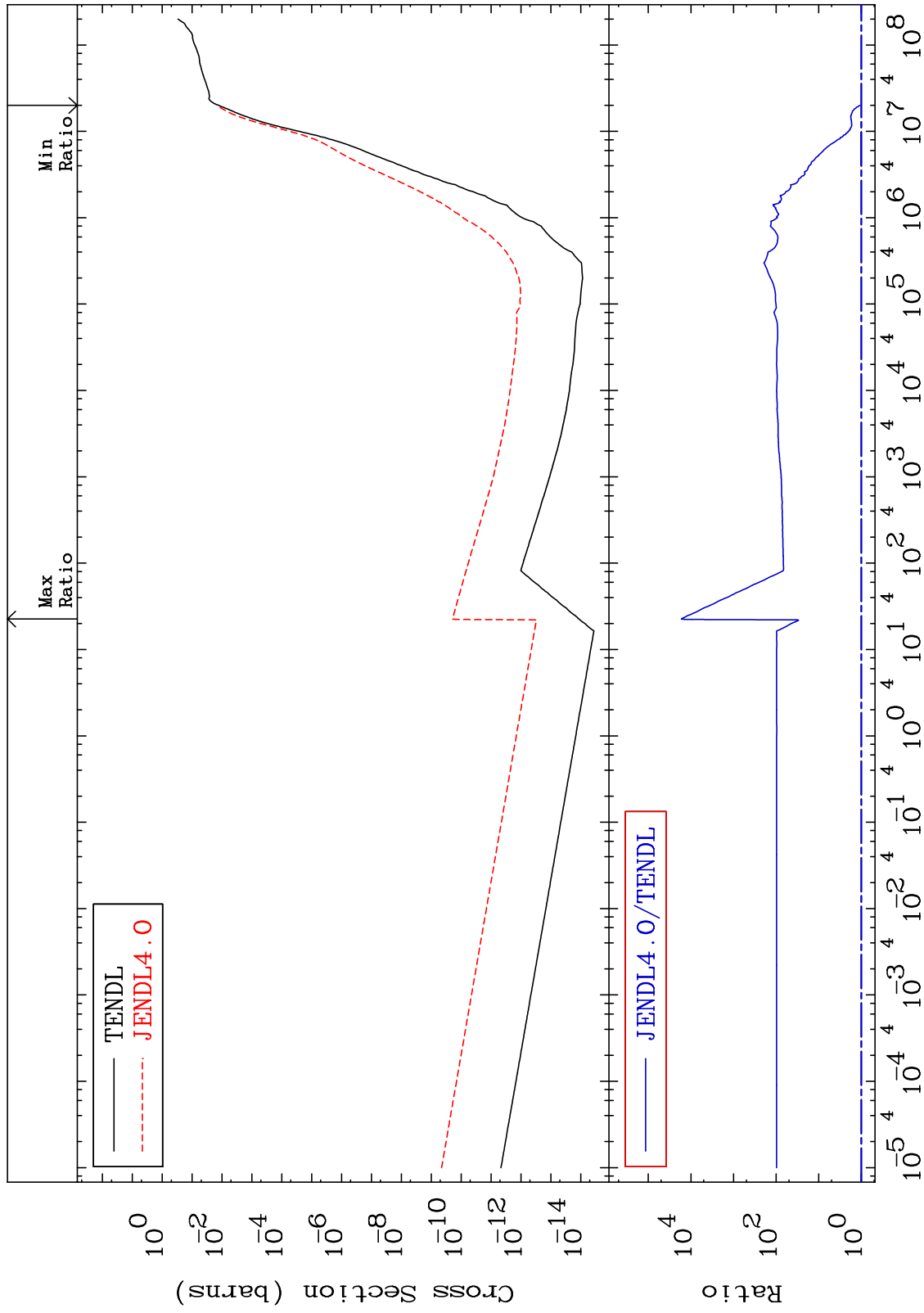




MAT 6443

He-4 Production  
Cross Section

64-Gd-158  
8.971 To 9999. %

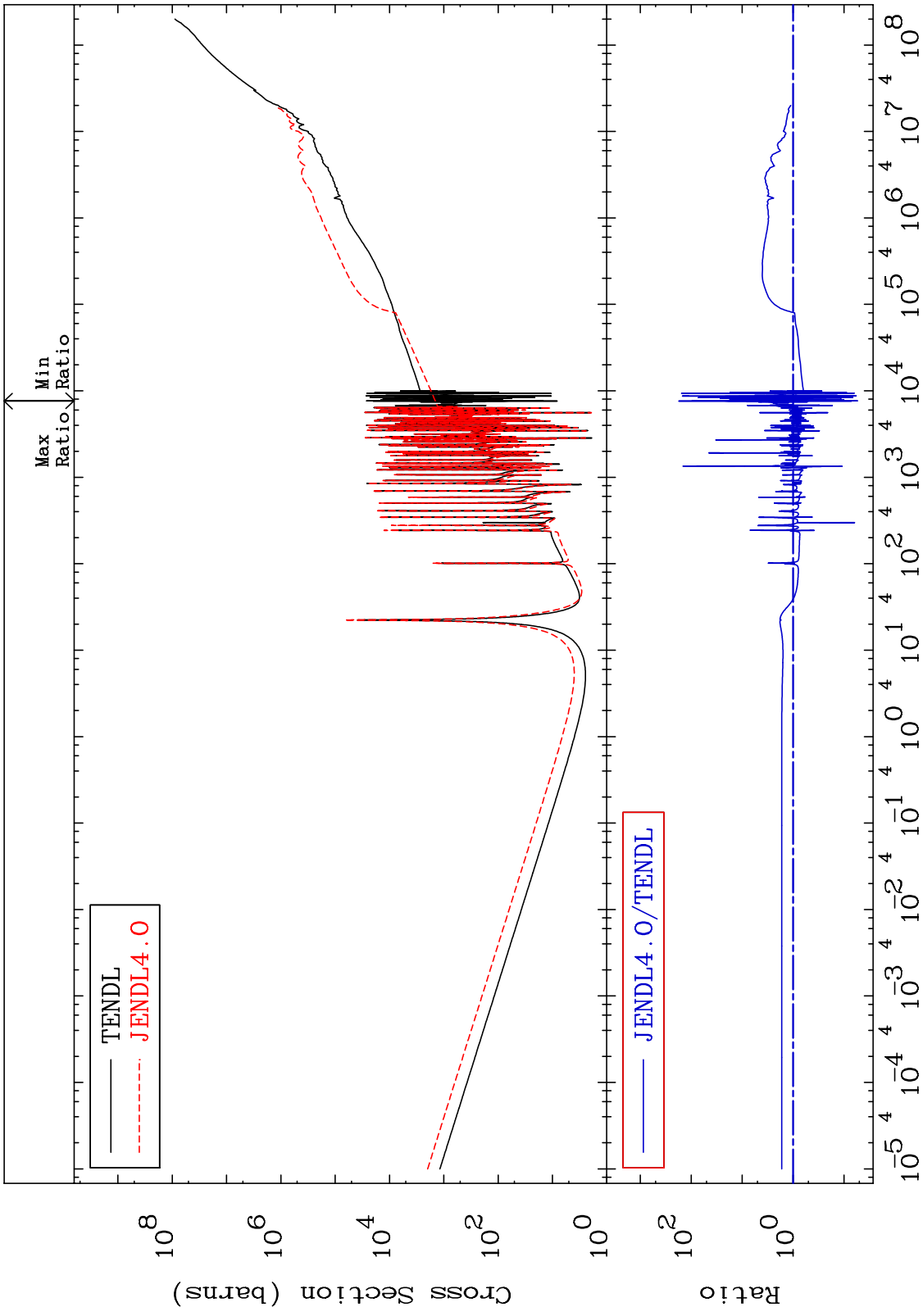


48

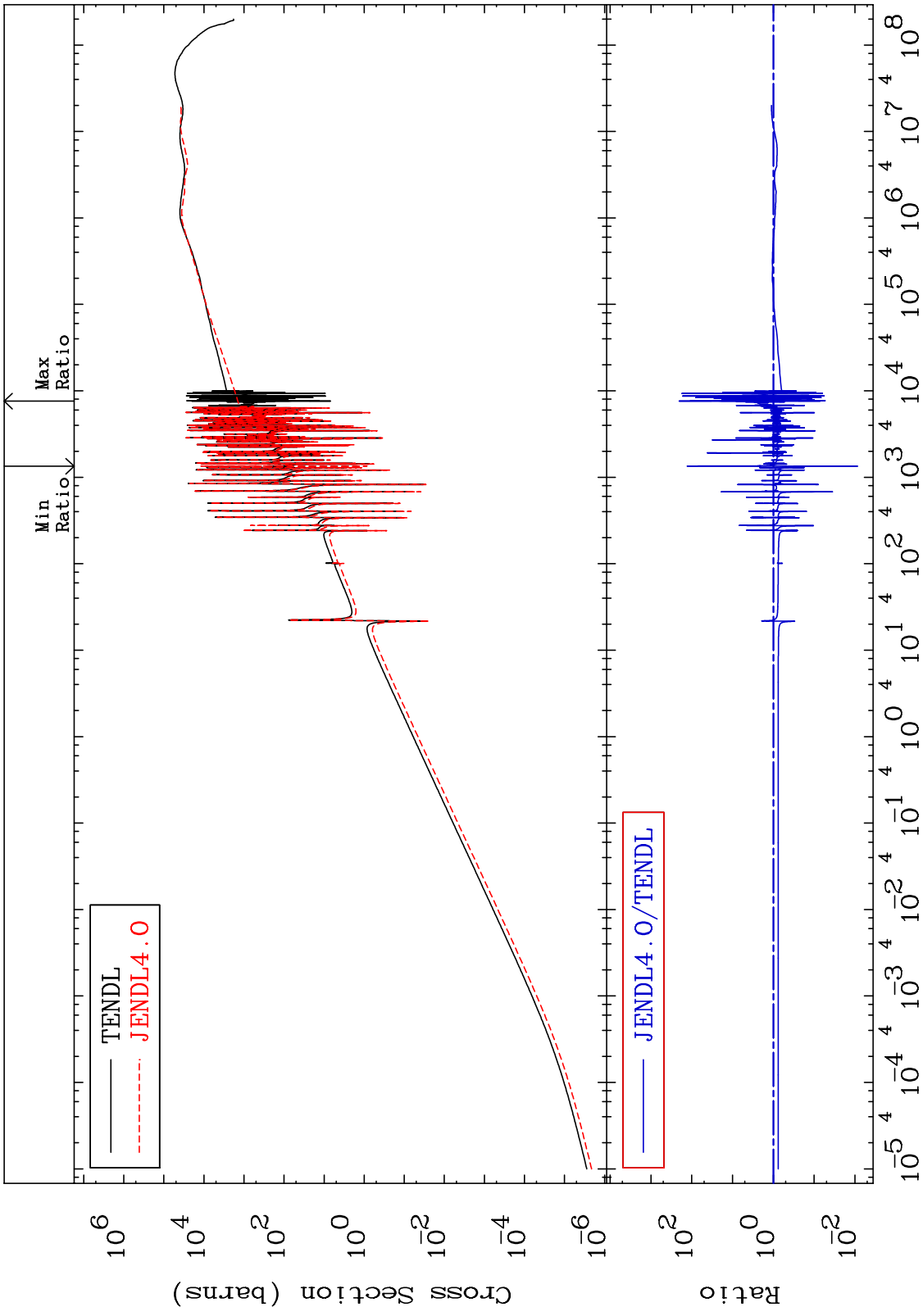
Incident Energy (eV)

64-Gd-158

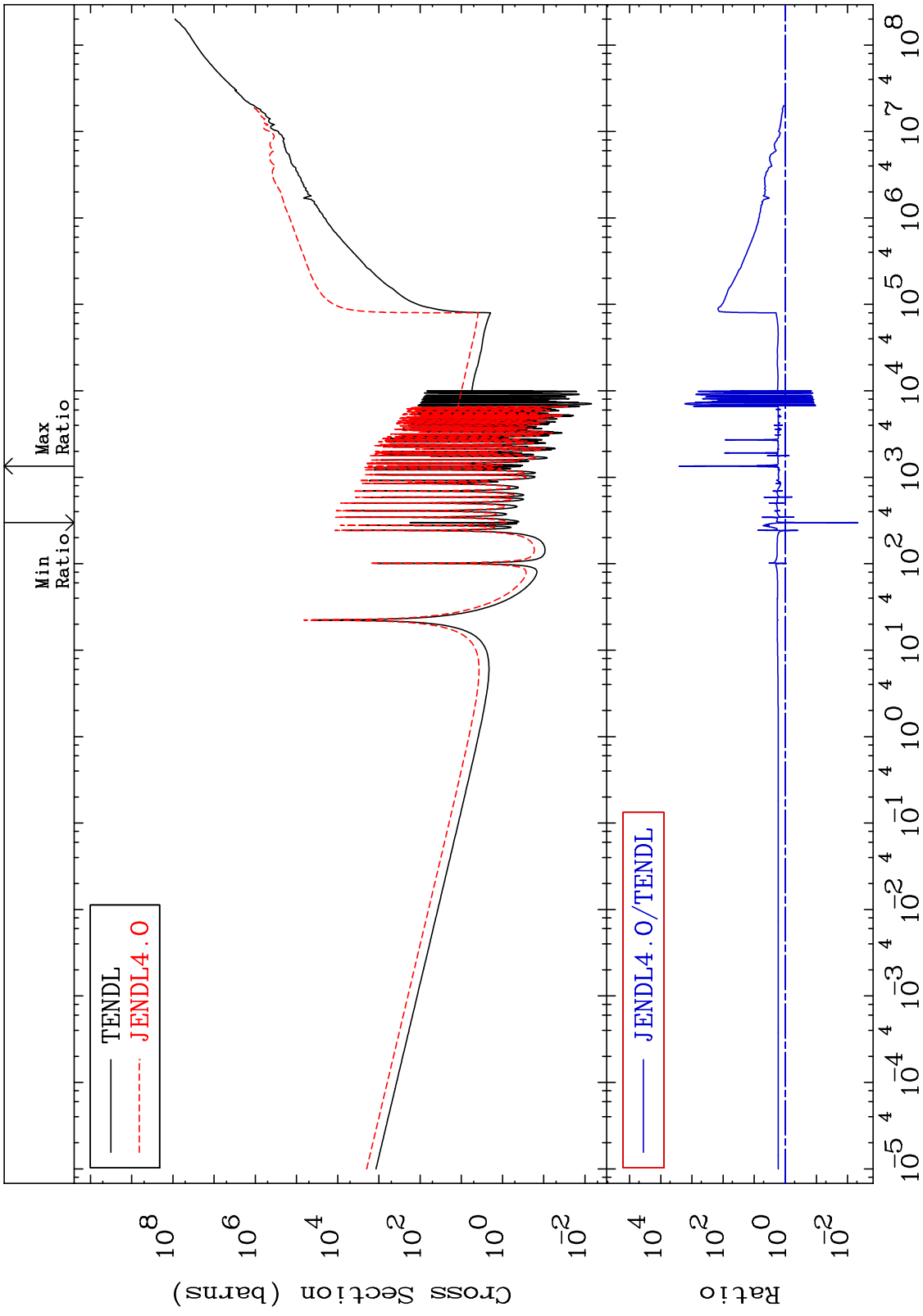
MAT 6443      Kerma total (eV-barns)  
 Cross Section      64-Gd-158  
 -94.63 To 9999. %



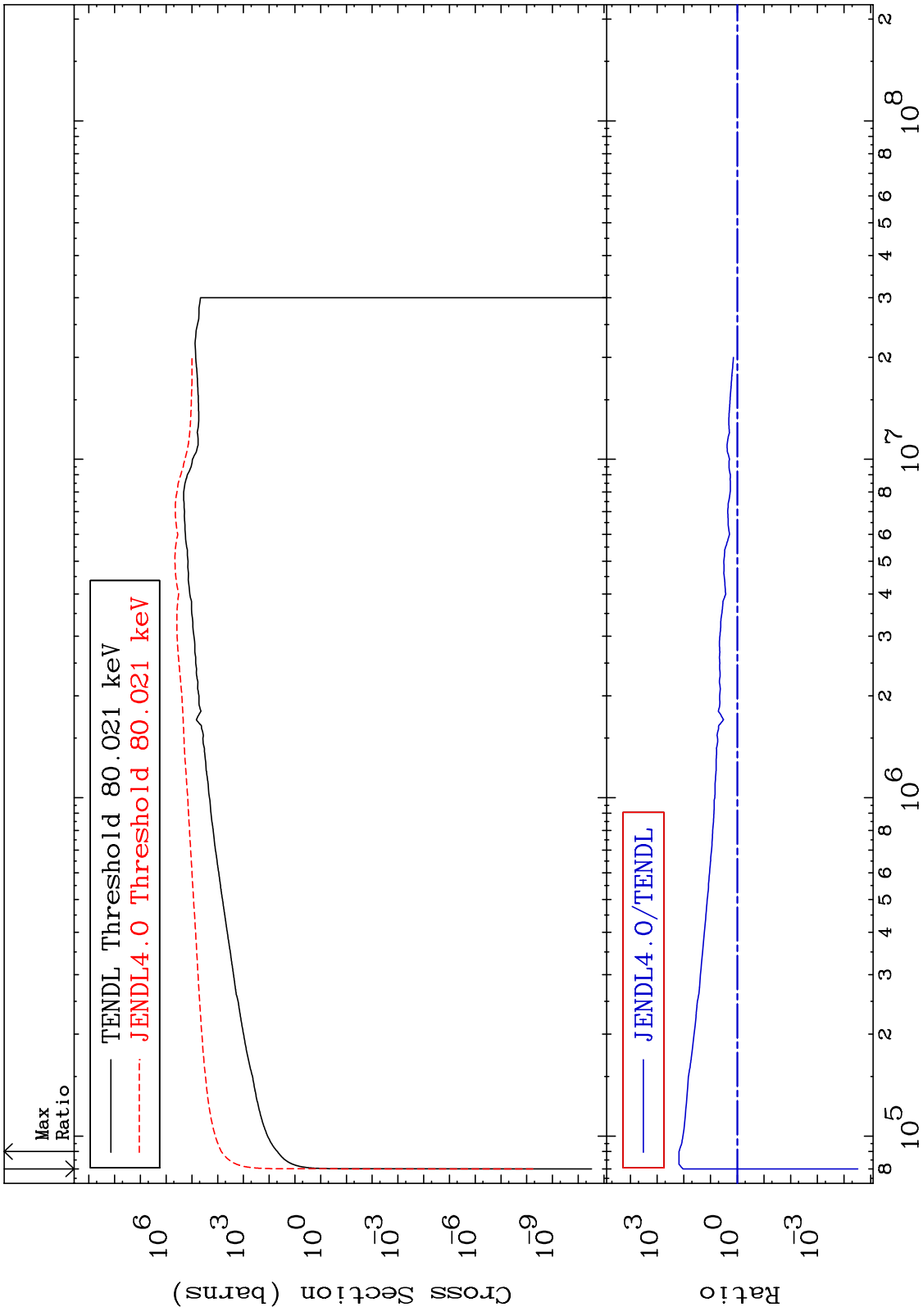
49      Incident Energy (eV)      64-Gd-158



MAT 6443      Kerma non-elastic (all but mt2)      64-Gd-158  
 Cross Section      -99.53 To 9999. %



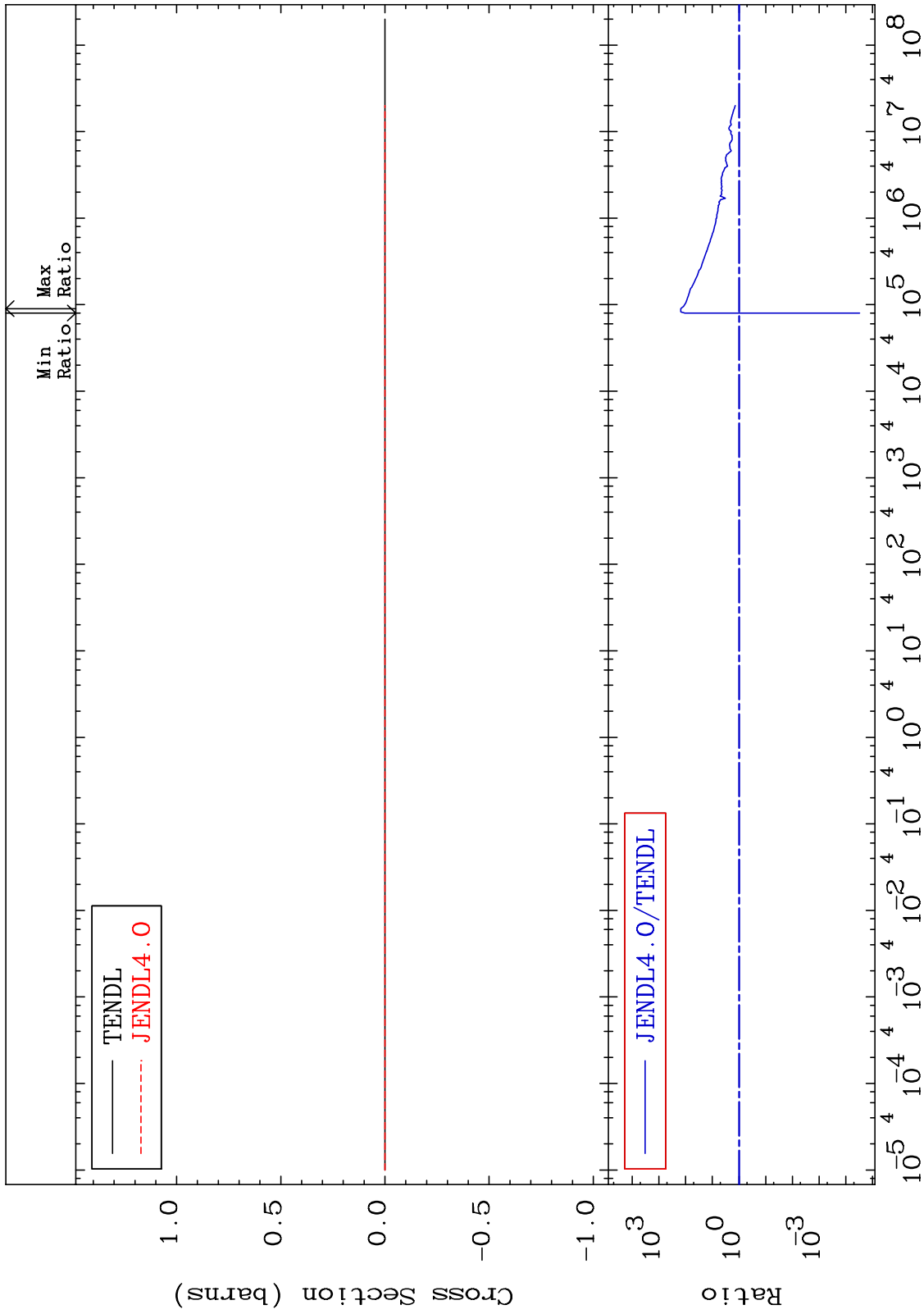
MAT 6443 Kerma inelastic (mt51-91) 64-Gd-158  
 Cross Section -100.0 To 9999. %



MAT 6443

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

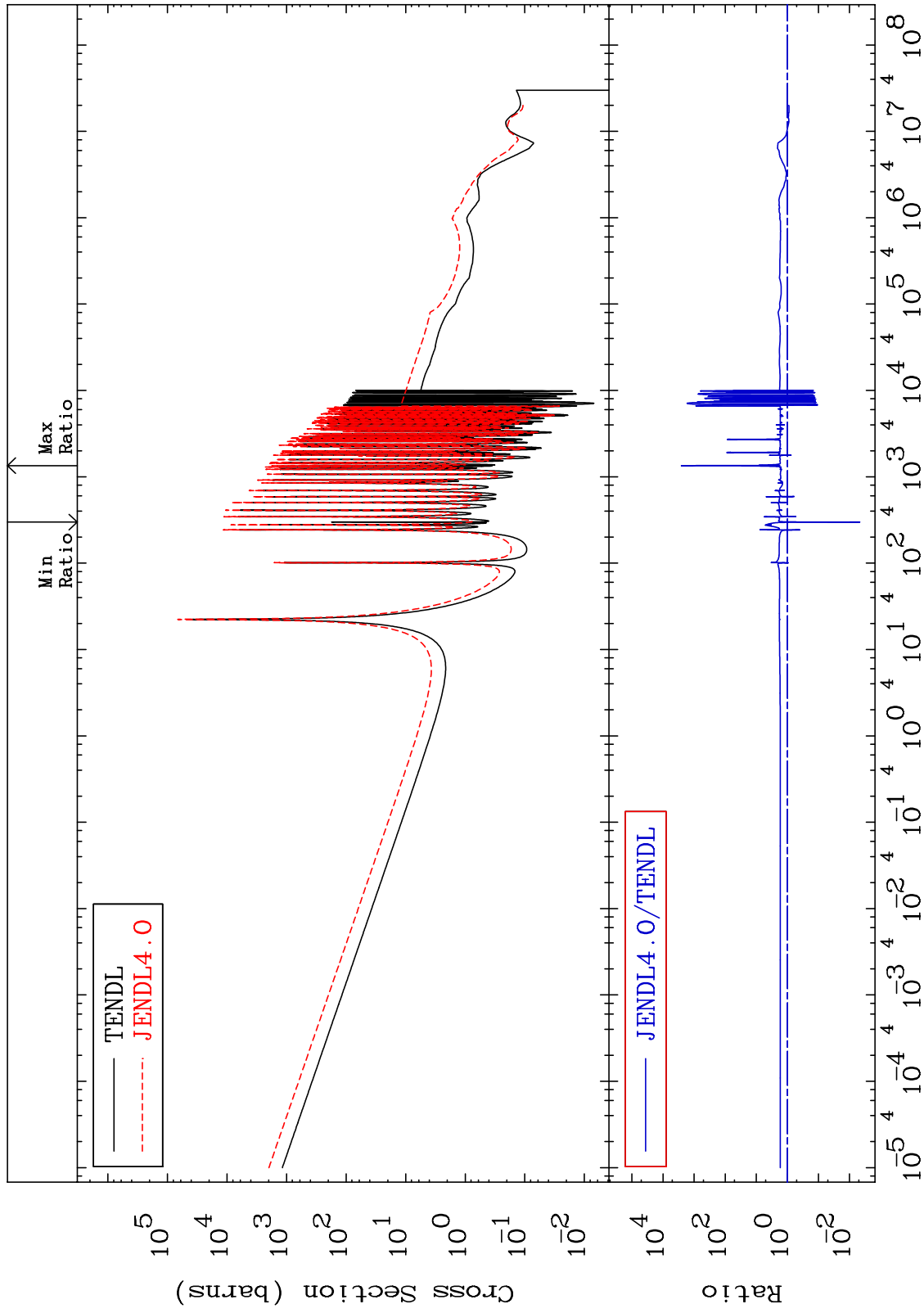
64-Gd-158  
-100.0 To 9999. %



MAT 6443

Kerma capture (mt102)  
Cross Section

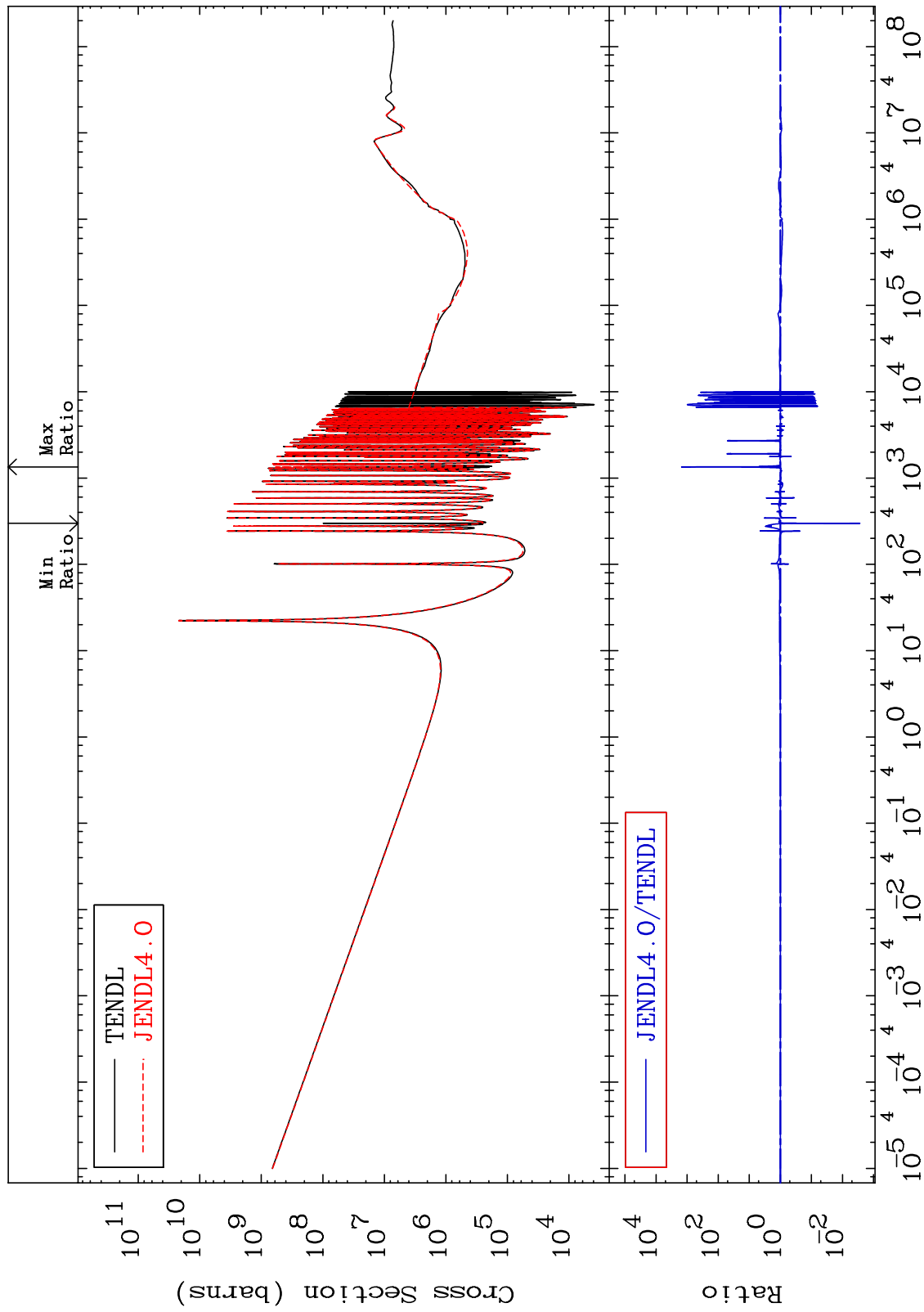
64-Gd-158  
-99.53 To 9999. %



MAT 6443

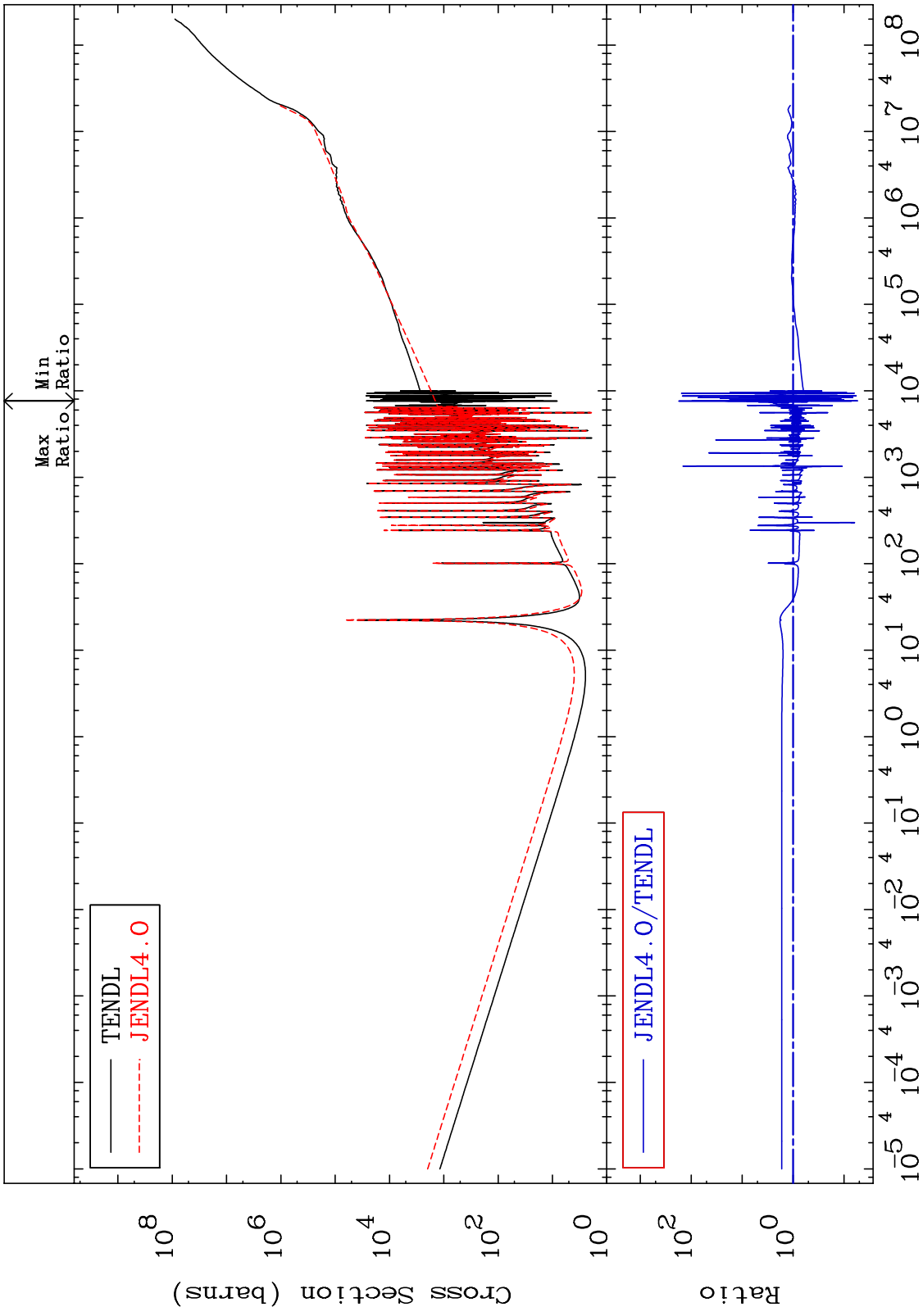
Total photon (eV-barns)  
Cross Section

64-Gd-158  
-99.72 To 9999. %

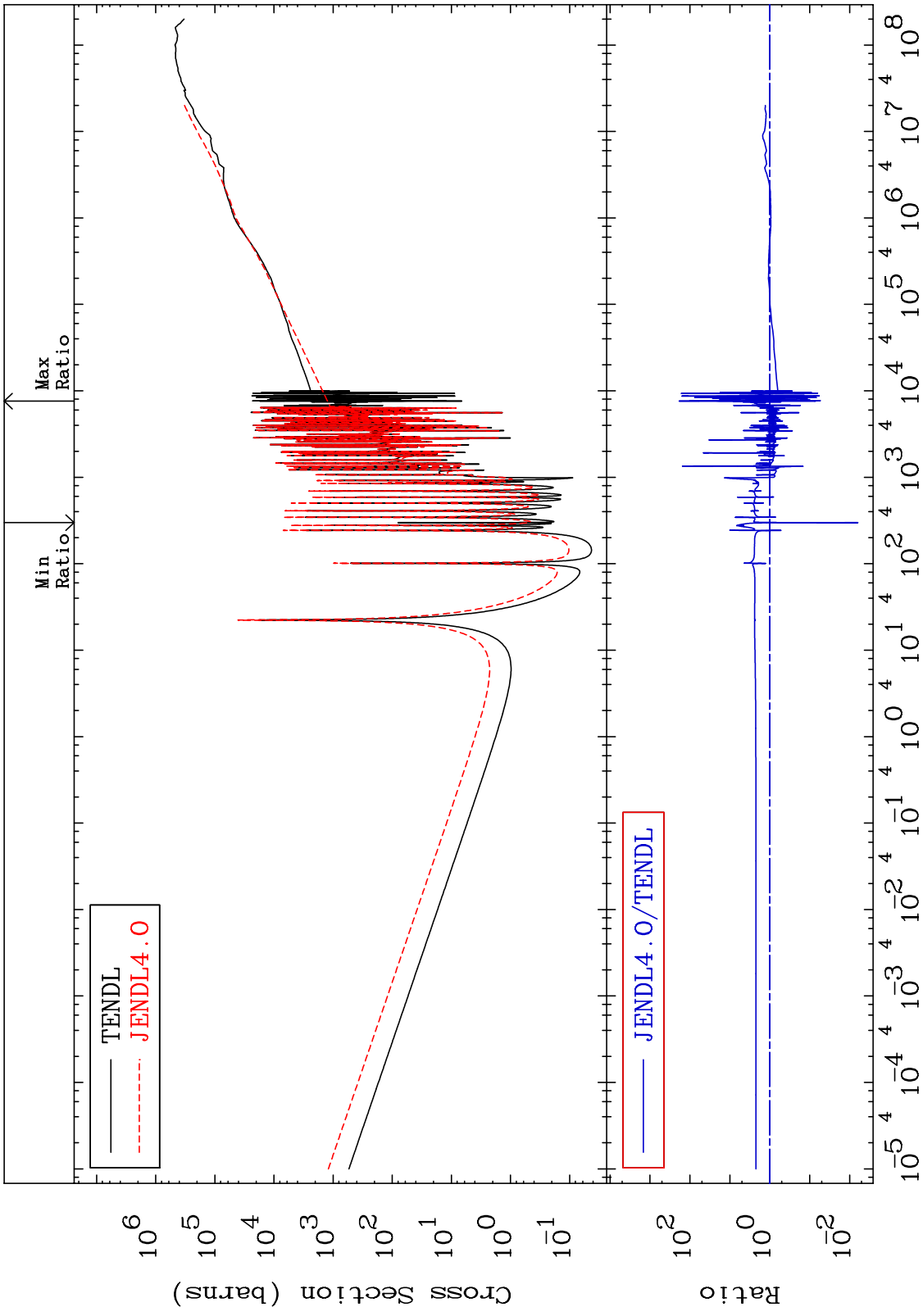




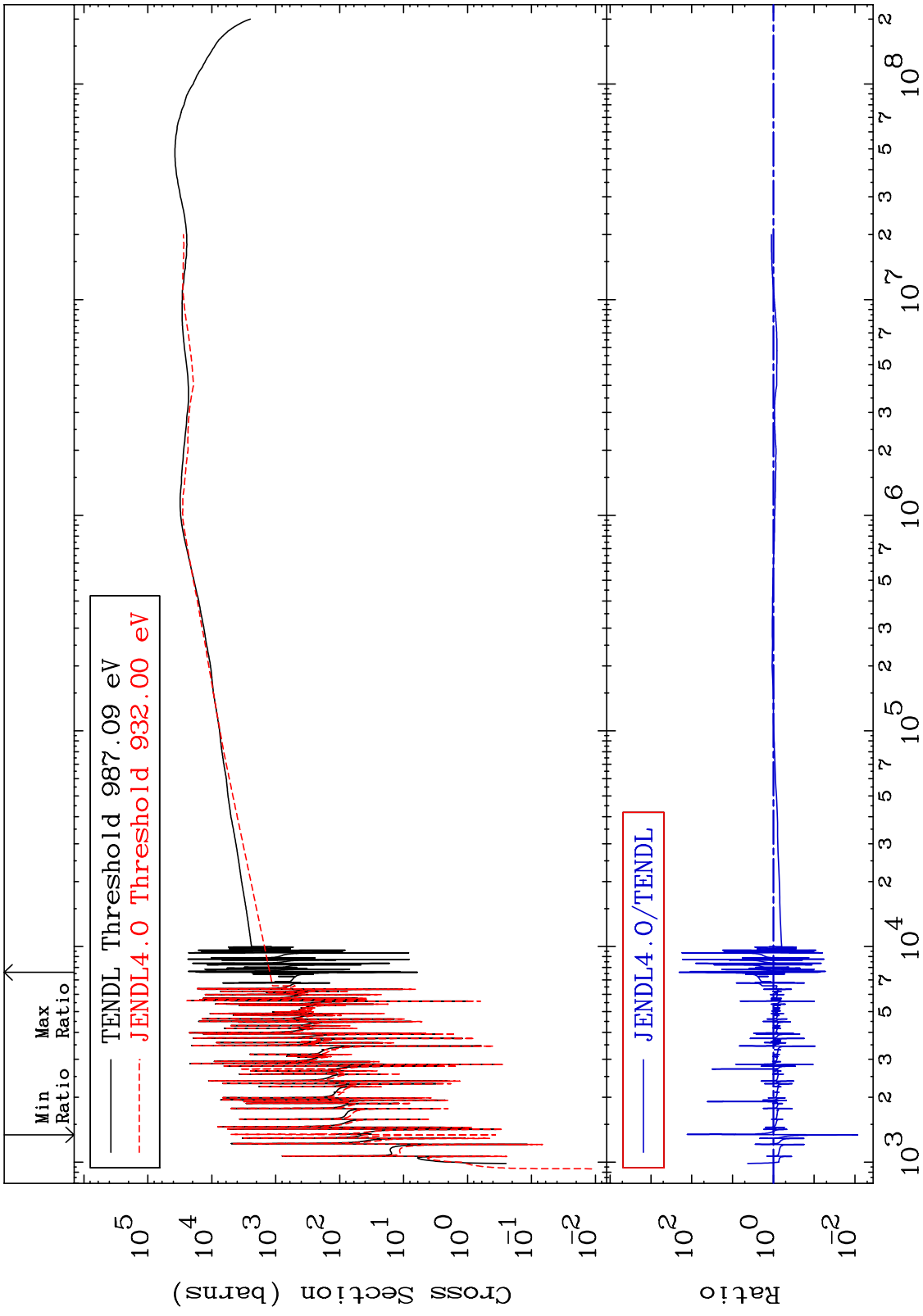
MAT 6443 Total kinematic kerma (high limit) 64-Gd-158  
 Cross Section -94.63 To 9999. %



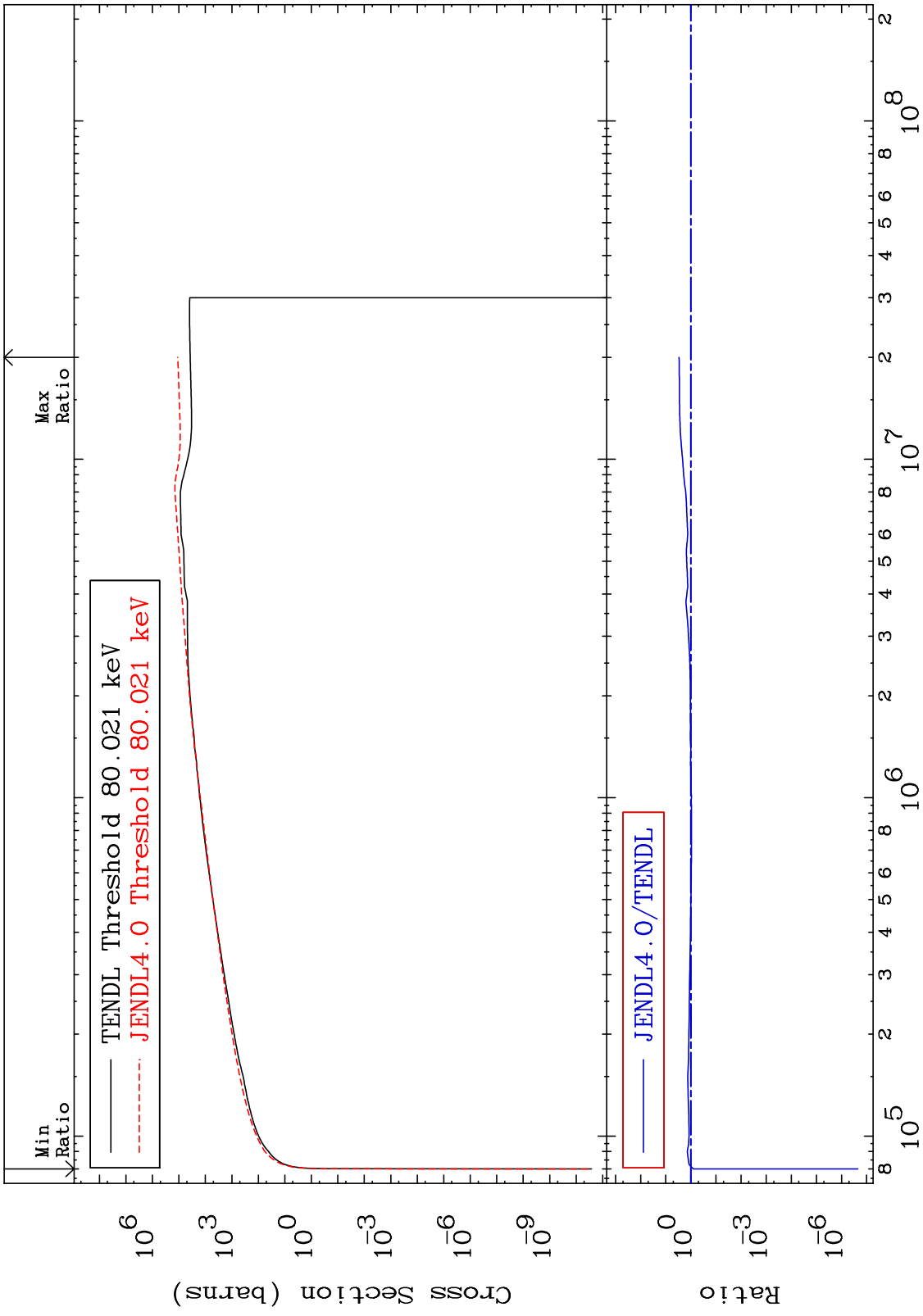
MAT 6443      Dpa total (eV-barns)      64-Gd-158  
 Cross Section      -99.38 To 9999. %



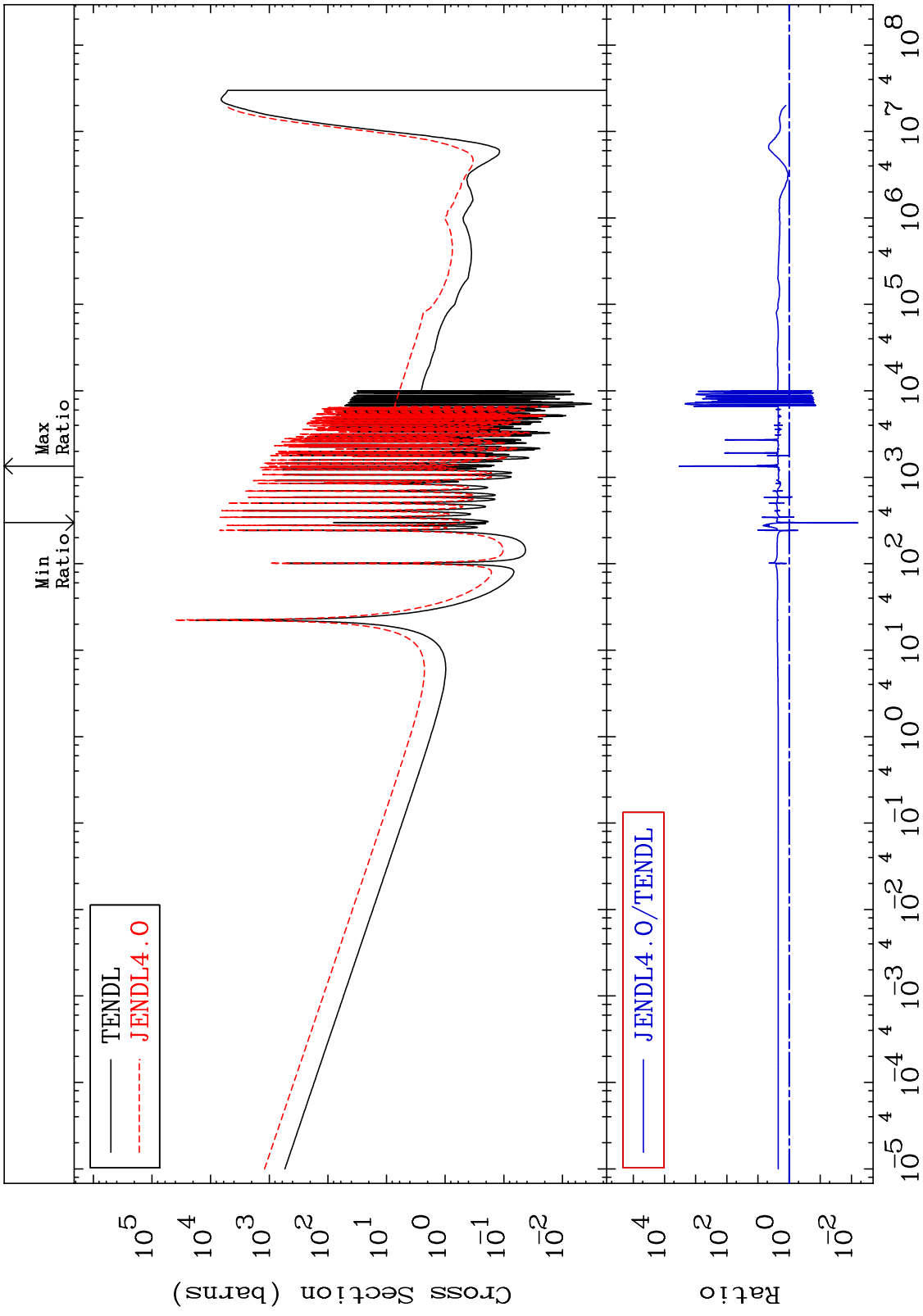
MAT 6443      Dpa elastic (mt2)      64-Gd-158  
Cross Section      -99.15 To 9999. %



MAT 6443      Dpa inelastic (mt51-91)      64-Gd-158  
 Cross Section      -100.0 To 195.1 %



MAT 6443      Dpa disappearance (mt102 -120)      64-Gd-158  
 Cross Section      -99.38 To 9999. %



60      Incident Energy (eV)      64-Gd-158