

Program Complot  
(Version 2018-1)

by

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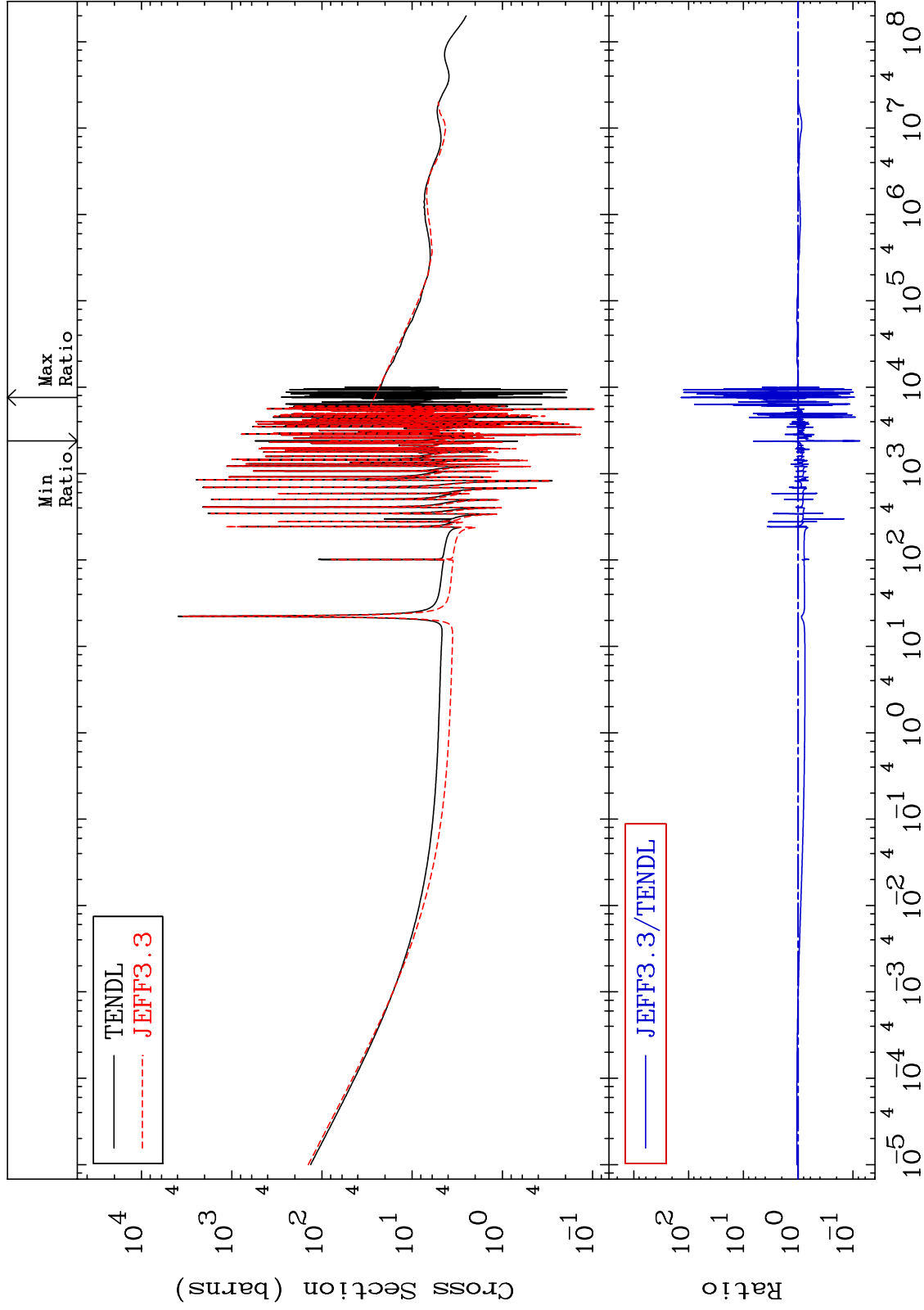
Press Mouse Button to Start

MAT 6443

Total  
Cross Section

64-Gd-158

-92.46 To 9999. %



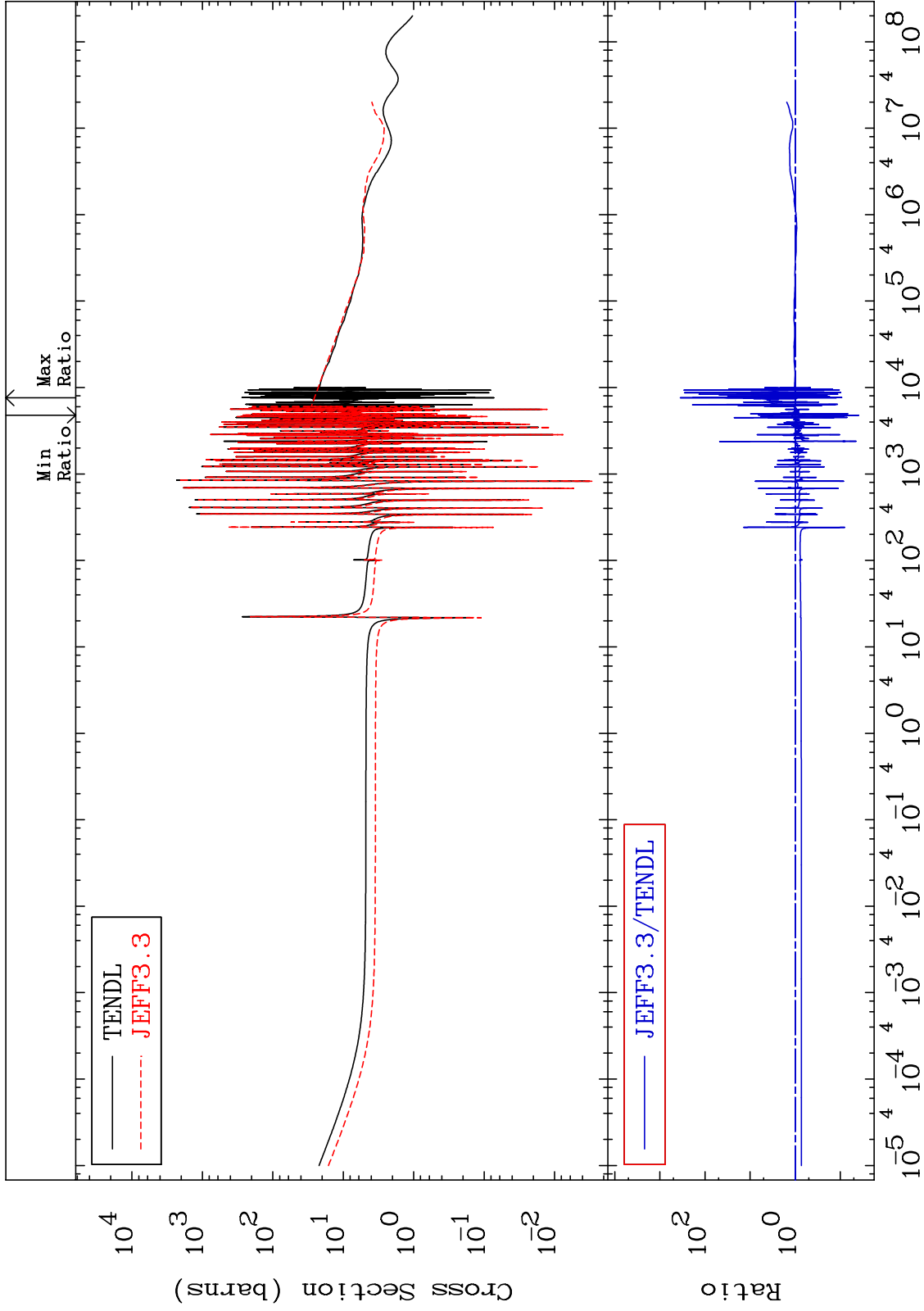
Incident Energy (eV)

64-Gd-158

MAT 6443

Elastic  
Cross Section

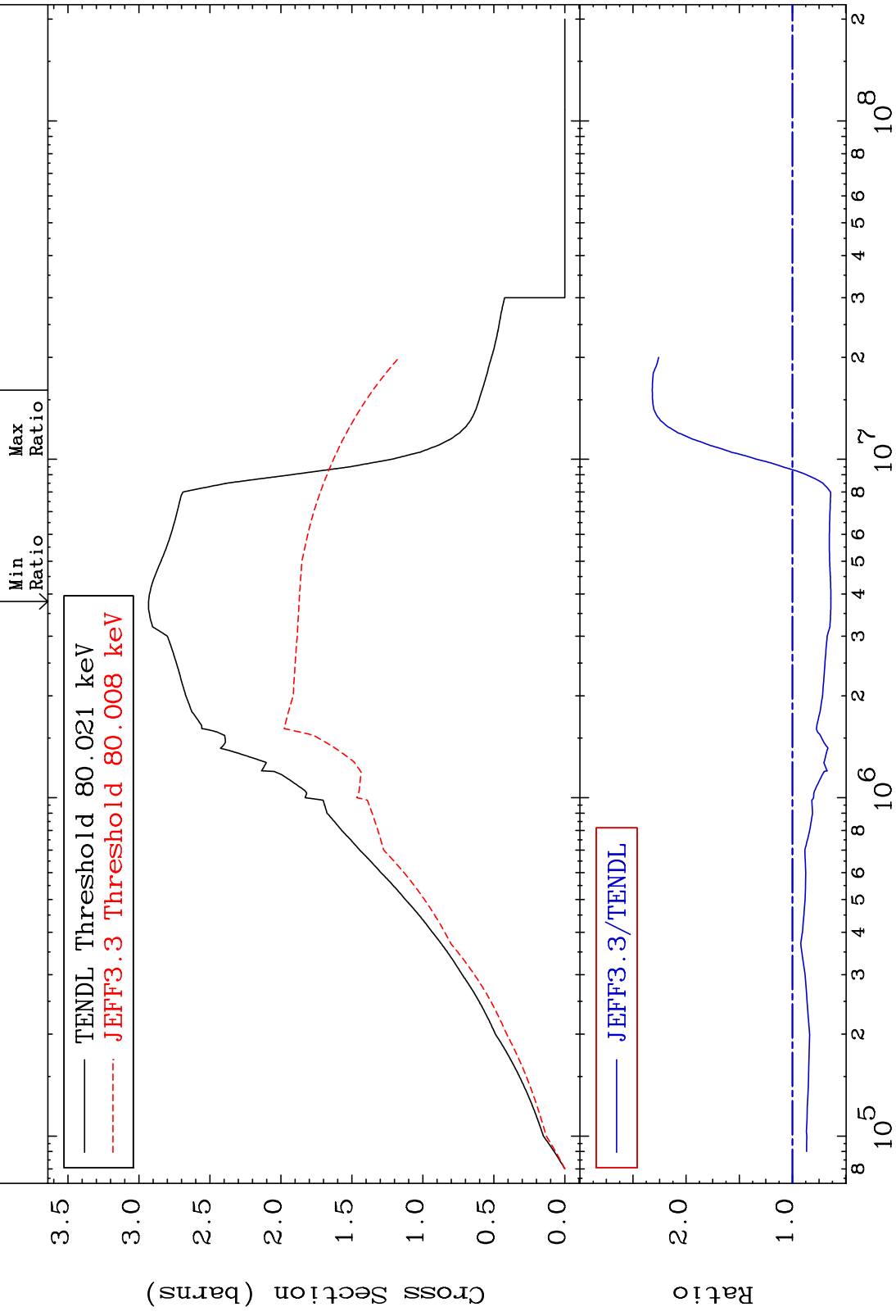
64-Gd-158  
-96.12 To 9999. %



MAT 6443

Inelastic  
Cross Section

64-Gd-158  
-36.17 To 131.9 %

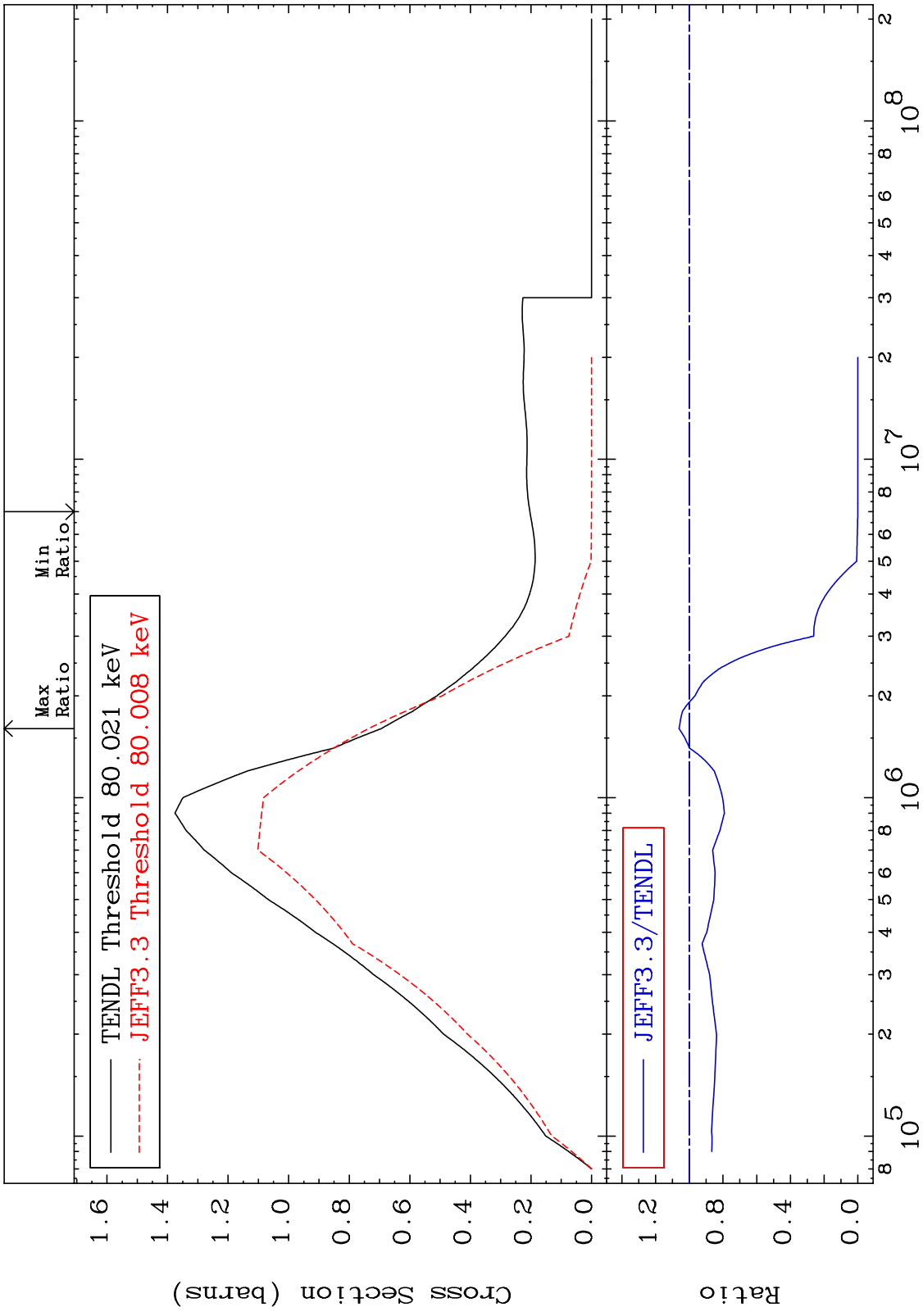


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Incident Energy (eV)

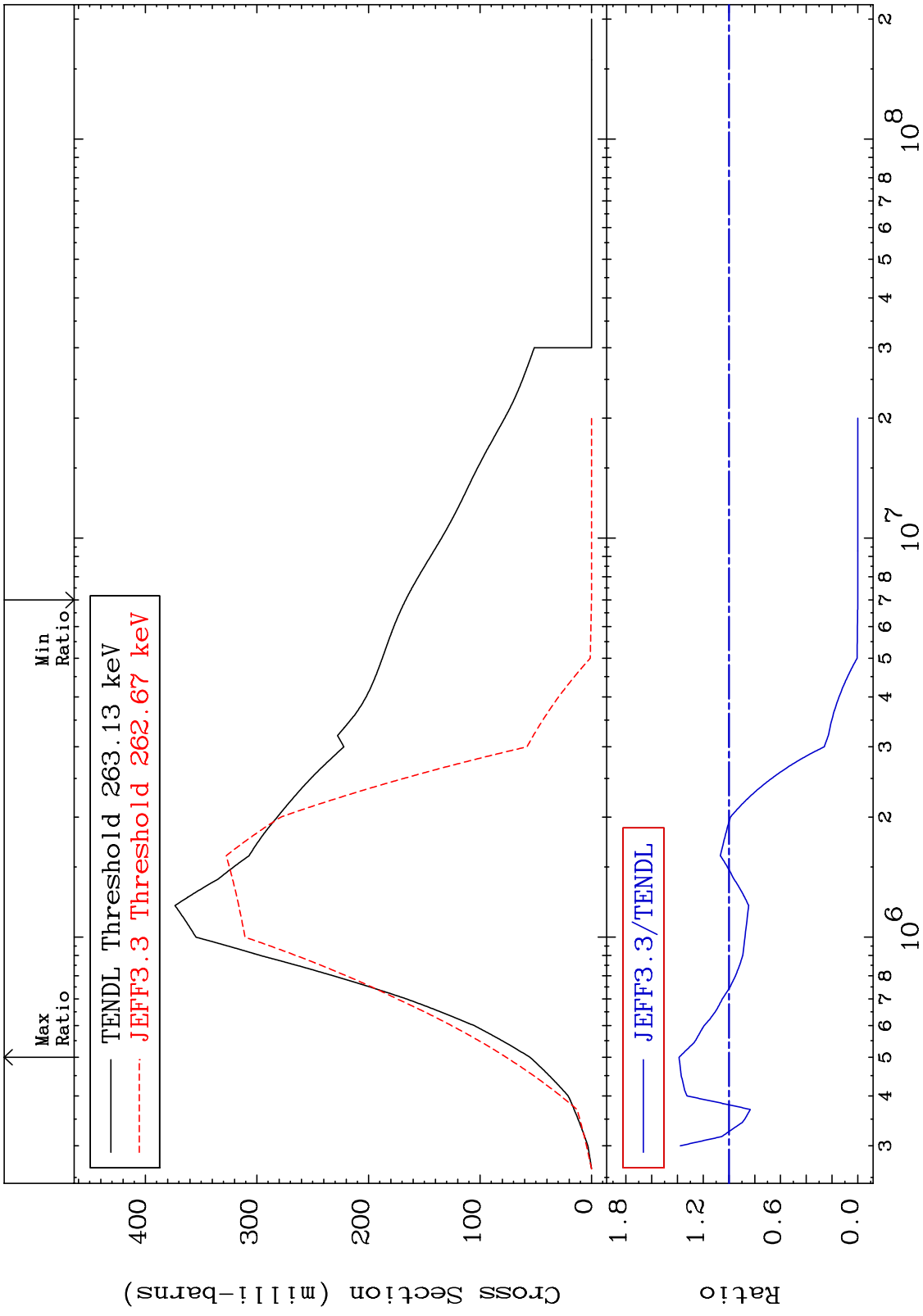
64-Gd-158

MAT 6443 MT= 51 (n,n') Level Cross Section 64-Gd-158  
 -100.0 To 6.073 %

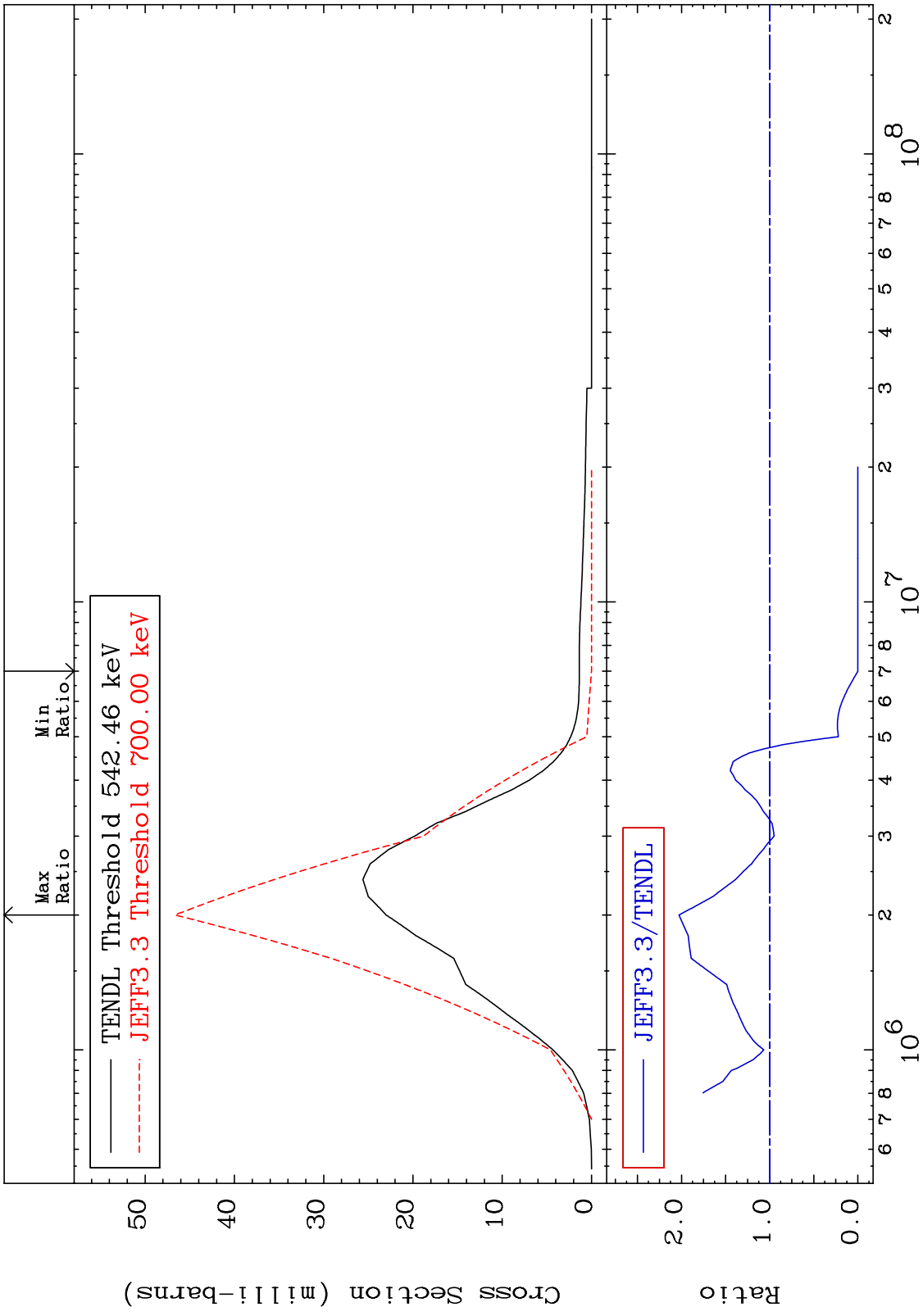


4 64-Gd-158

MAT 6443      MT= 52 (n,n') Level      64-Gd-158  
 Cross Section      -100.0 To 38.72 %

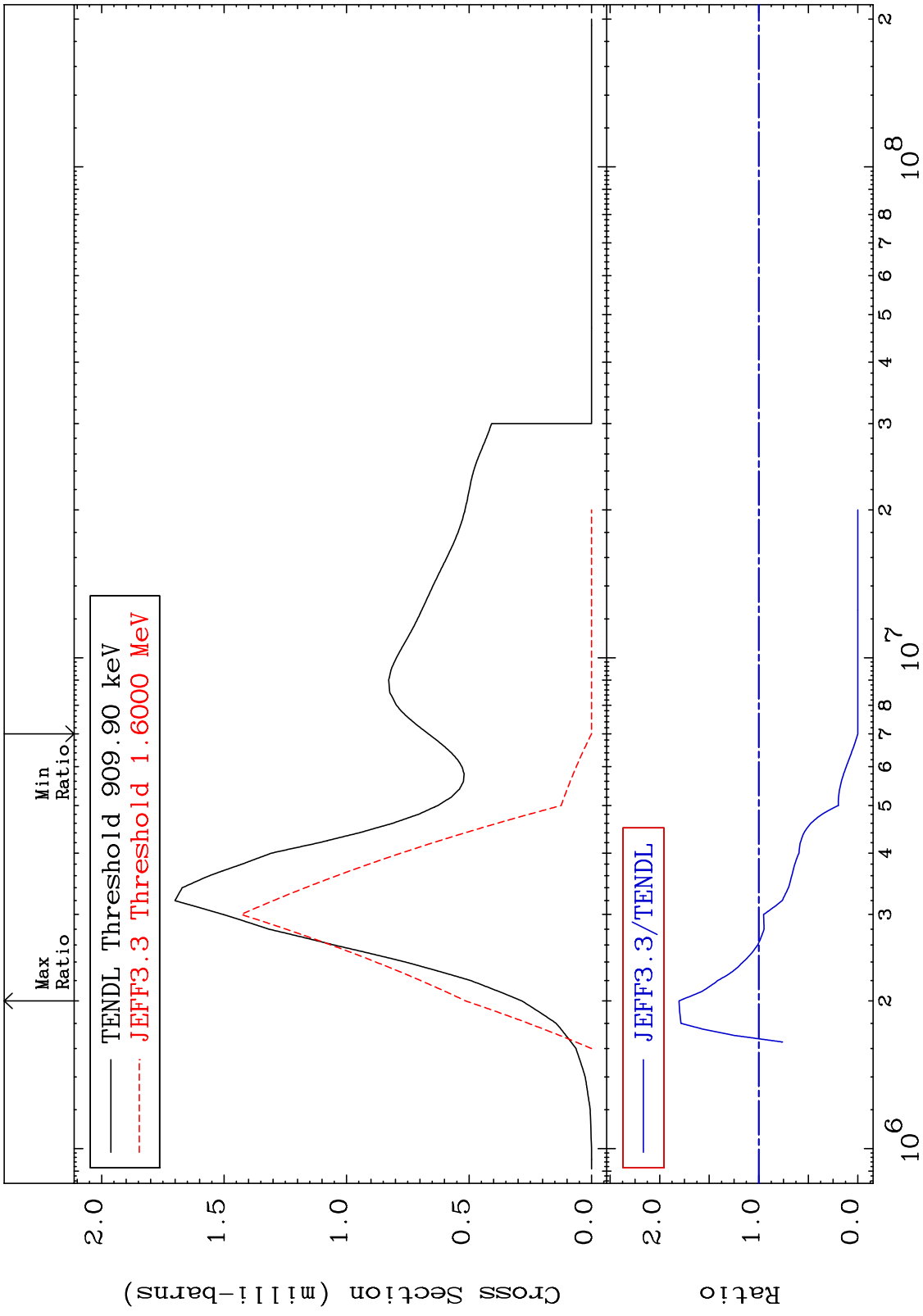


MAT 6443 MT= 53 (n,n') Level Cross Section 64-Gd-158  
 -100.0 To 102.8 %



6 64-Gd-158

MAT 6443 MT= 54 (n,n') Level Cross Section 64-Gd-158  
 -100.0 To 80.48 %



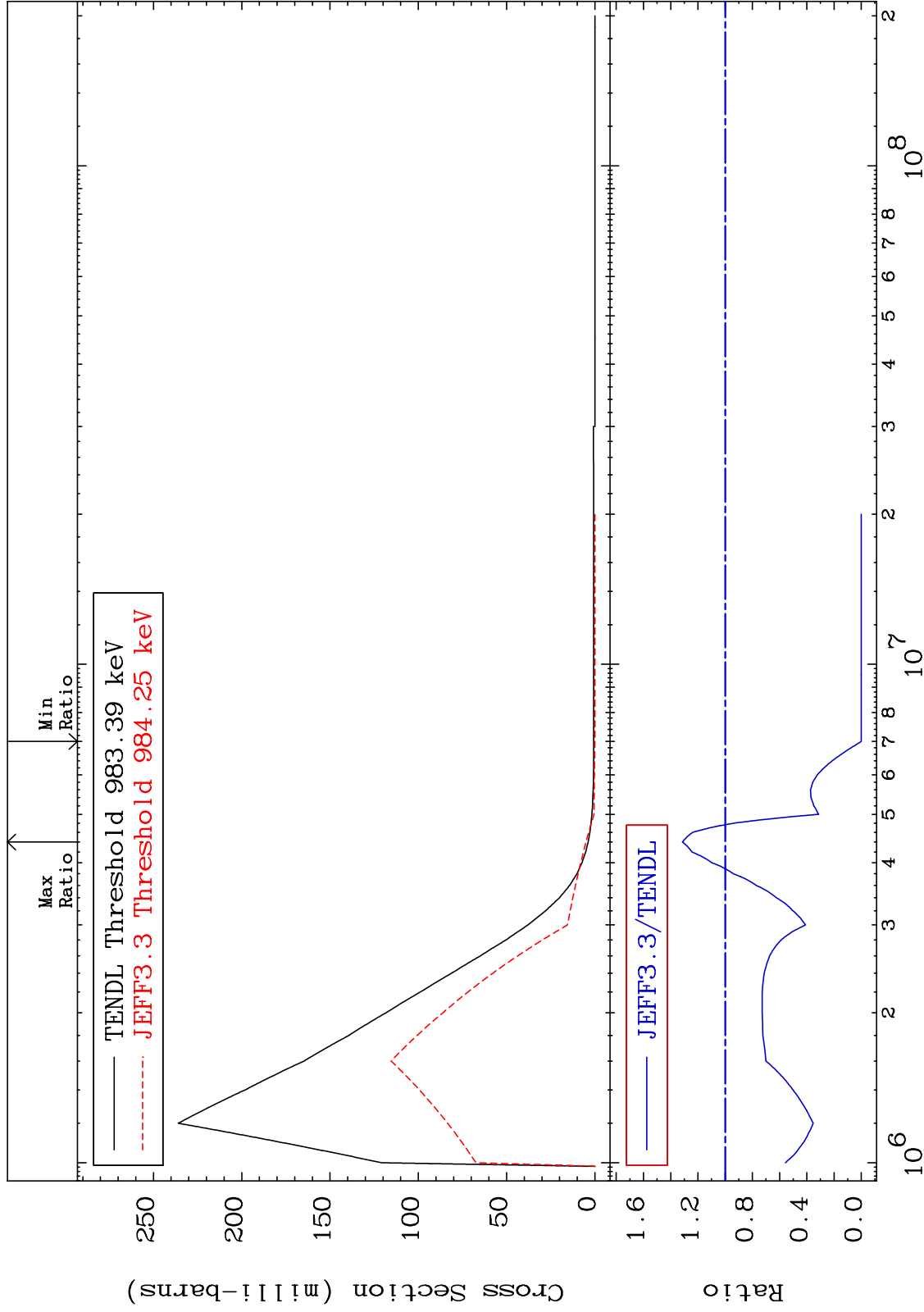
64-Gd-158



MAT 6443

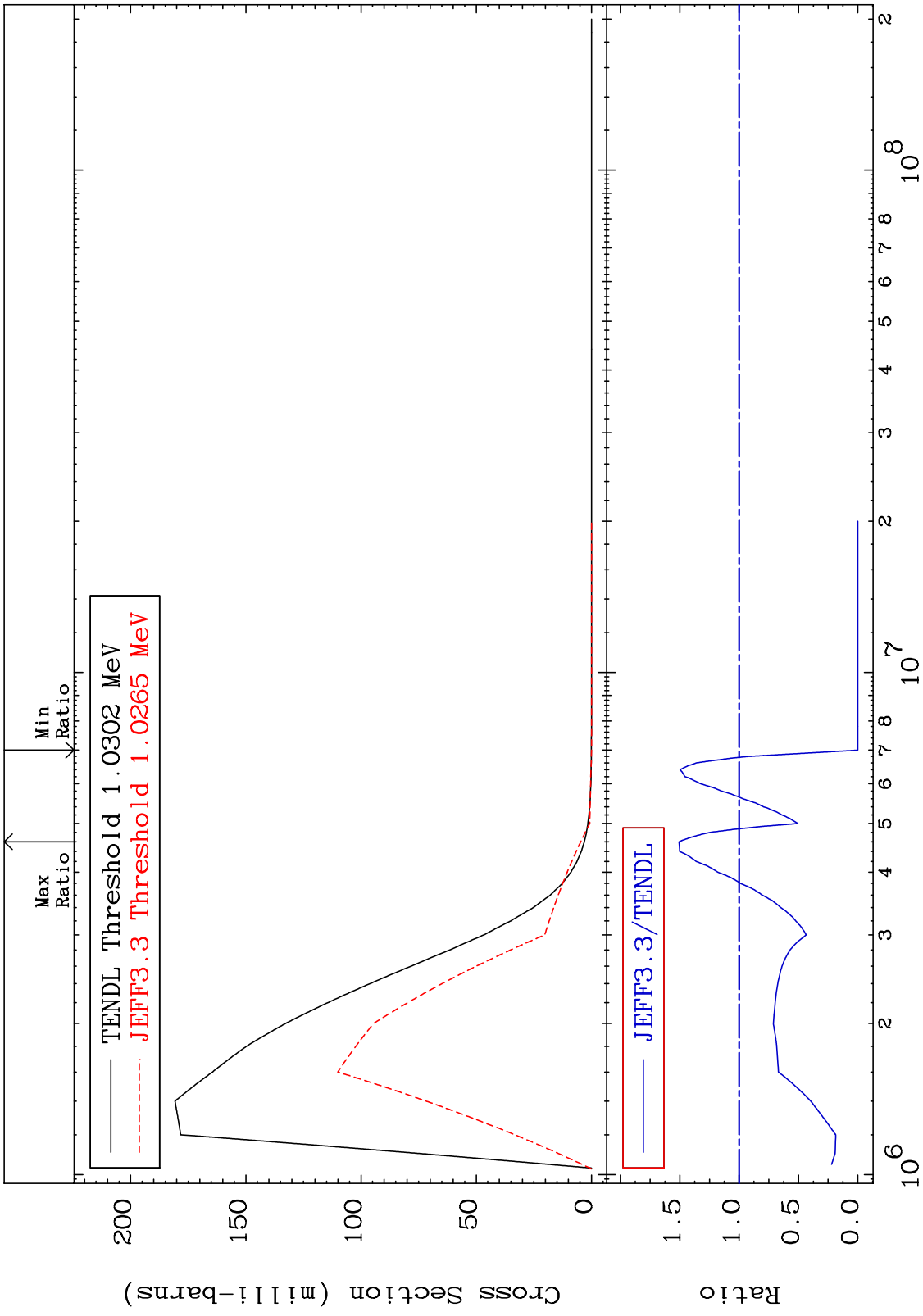
MT= 55 (n,n') Level  
Cross Section

64-Gd-158  
-100.0 To 31.36 %



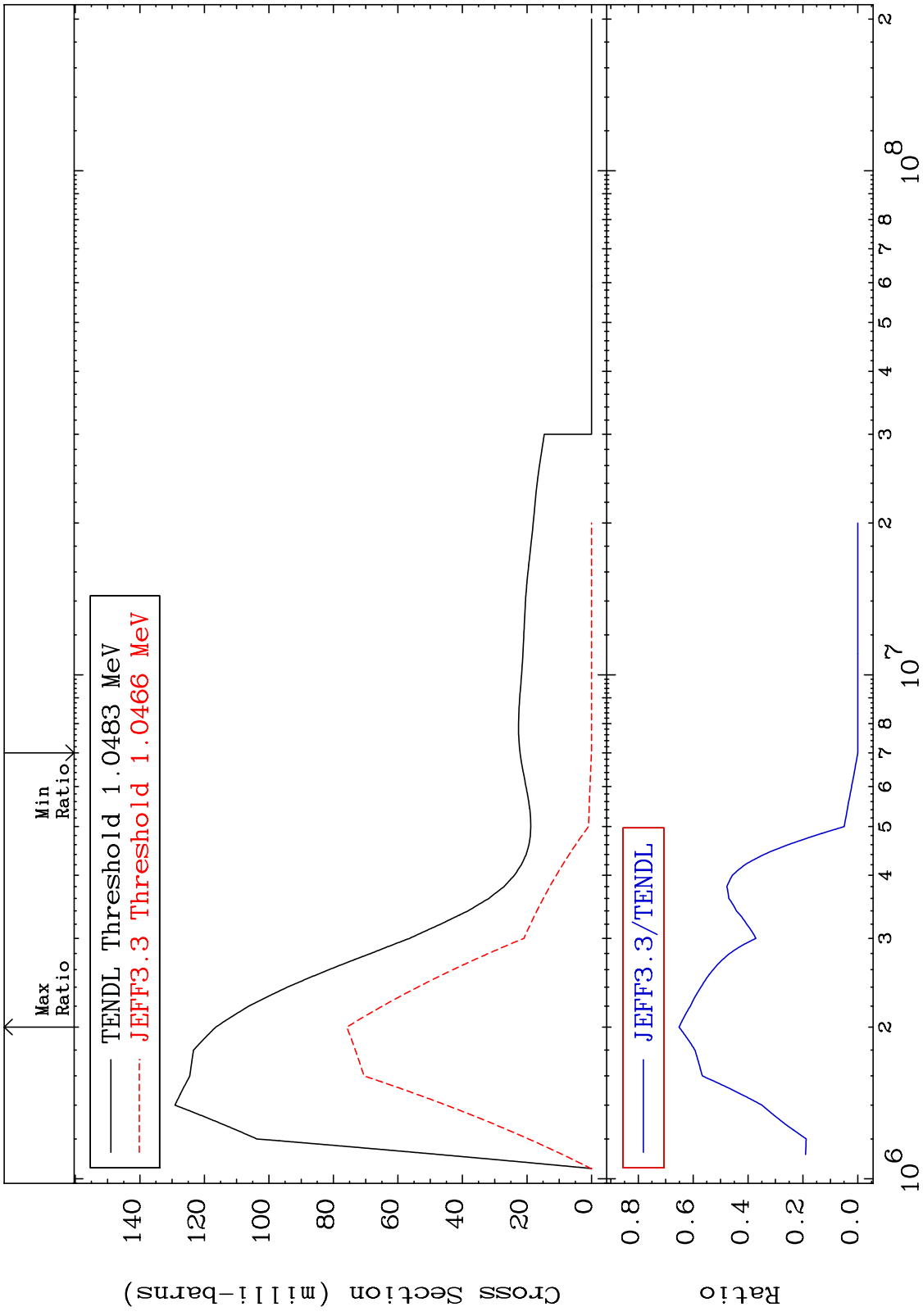
64-Gd-158

MAT 6443 MT= 56 (n,n') Level Cross Section 64-Gd-158  
-100.0 To 50.66 %



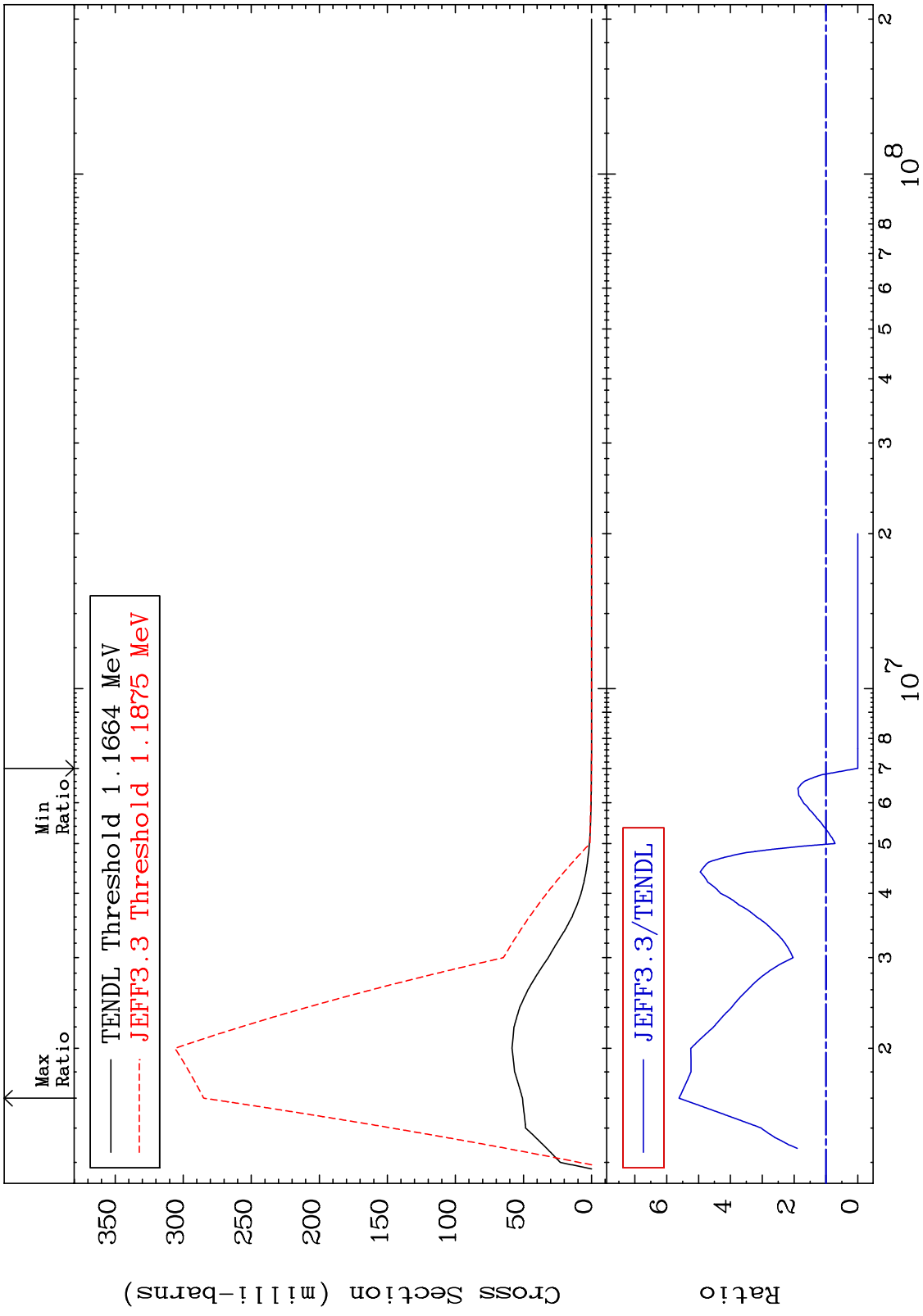
Incident Energy (eV) 64-Gd-158

MAT 6443 MT= 57 (n,n') Level Cross Section 64-Gd-158 -100.0 To -34.87%

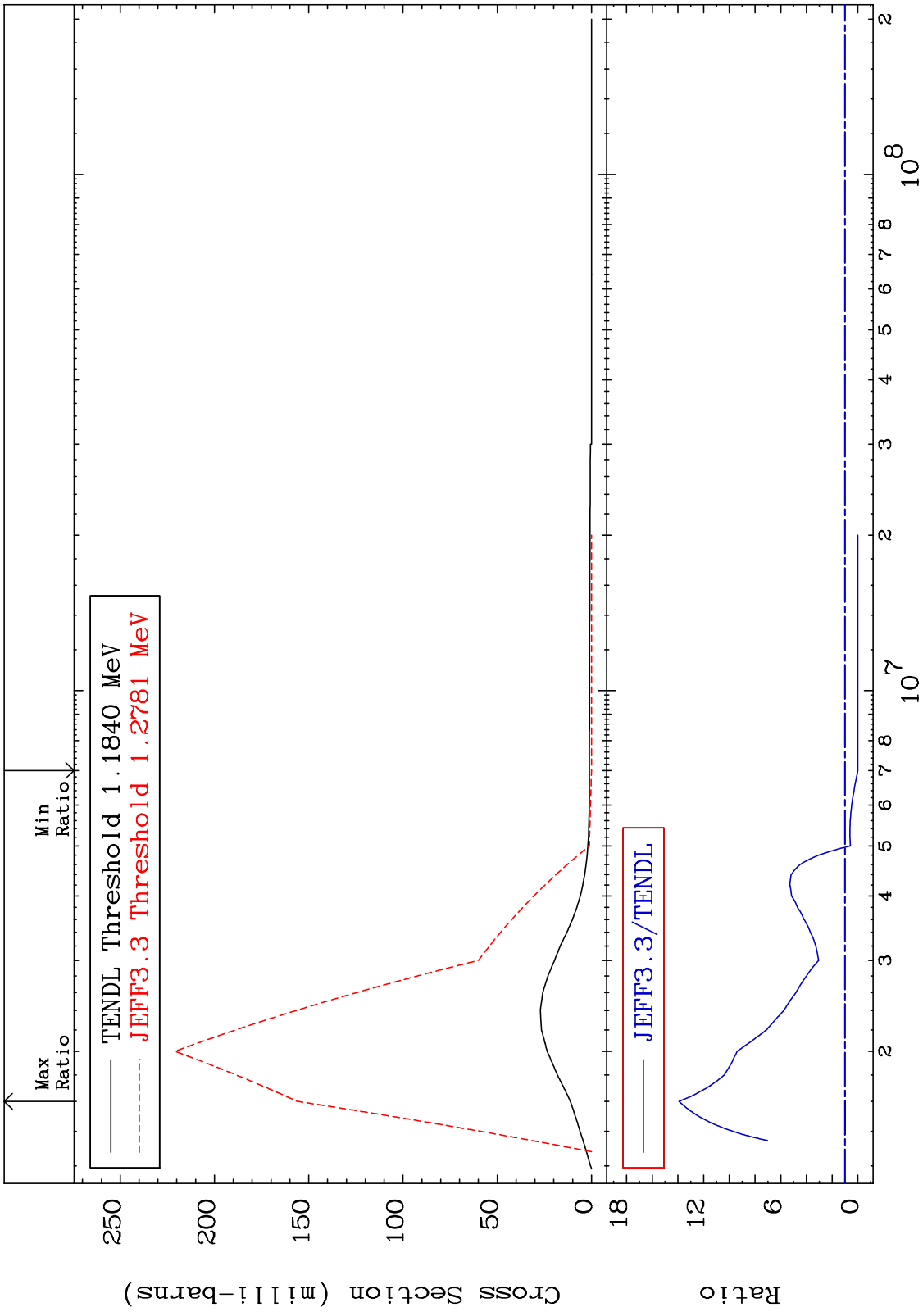


64-Gd-158

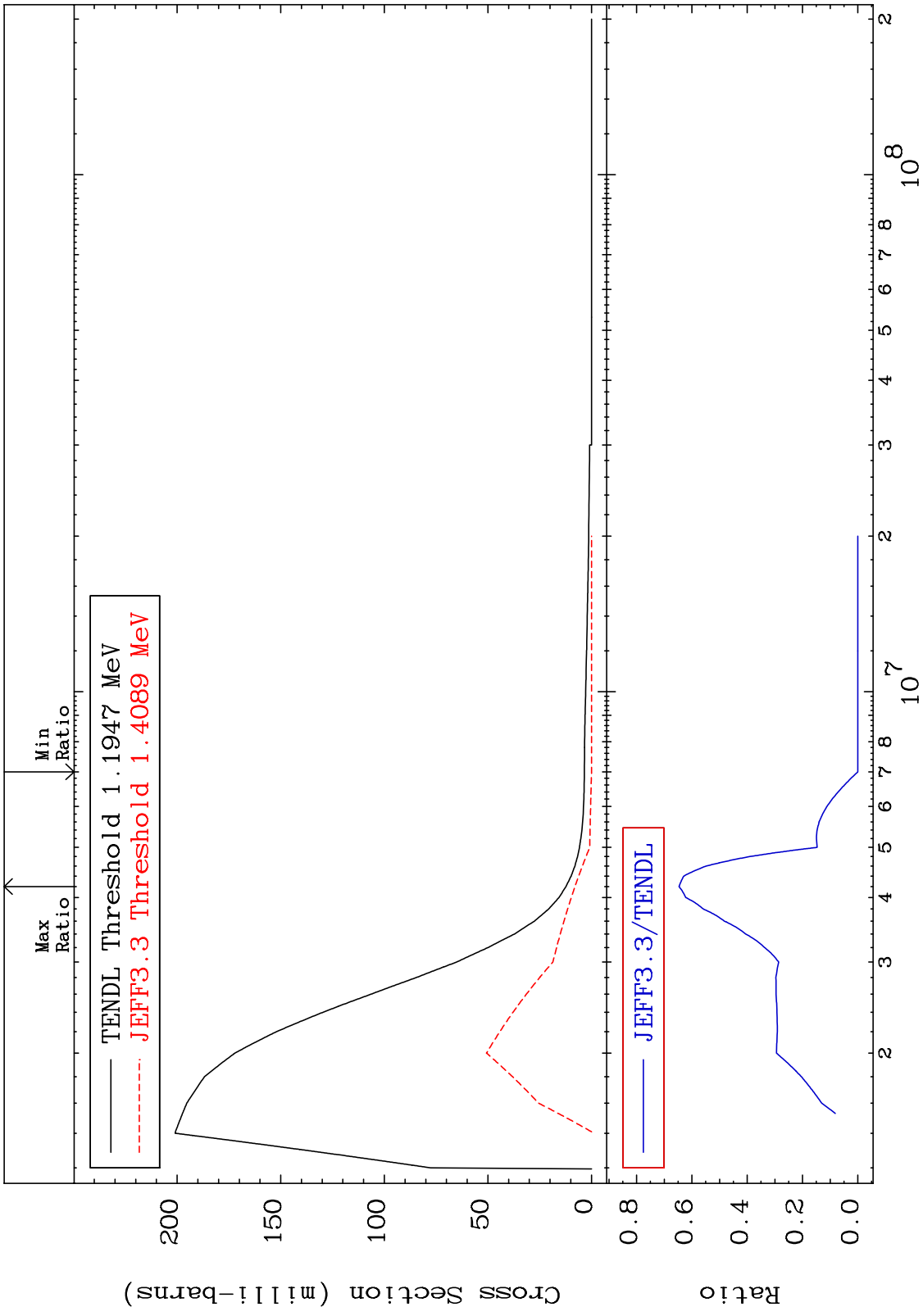
MAT 6443 MT= 58 (n,n') Level Cross Section 64-Gd-158  
 -100.0 To 461.3 %



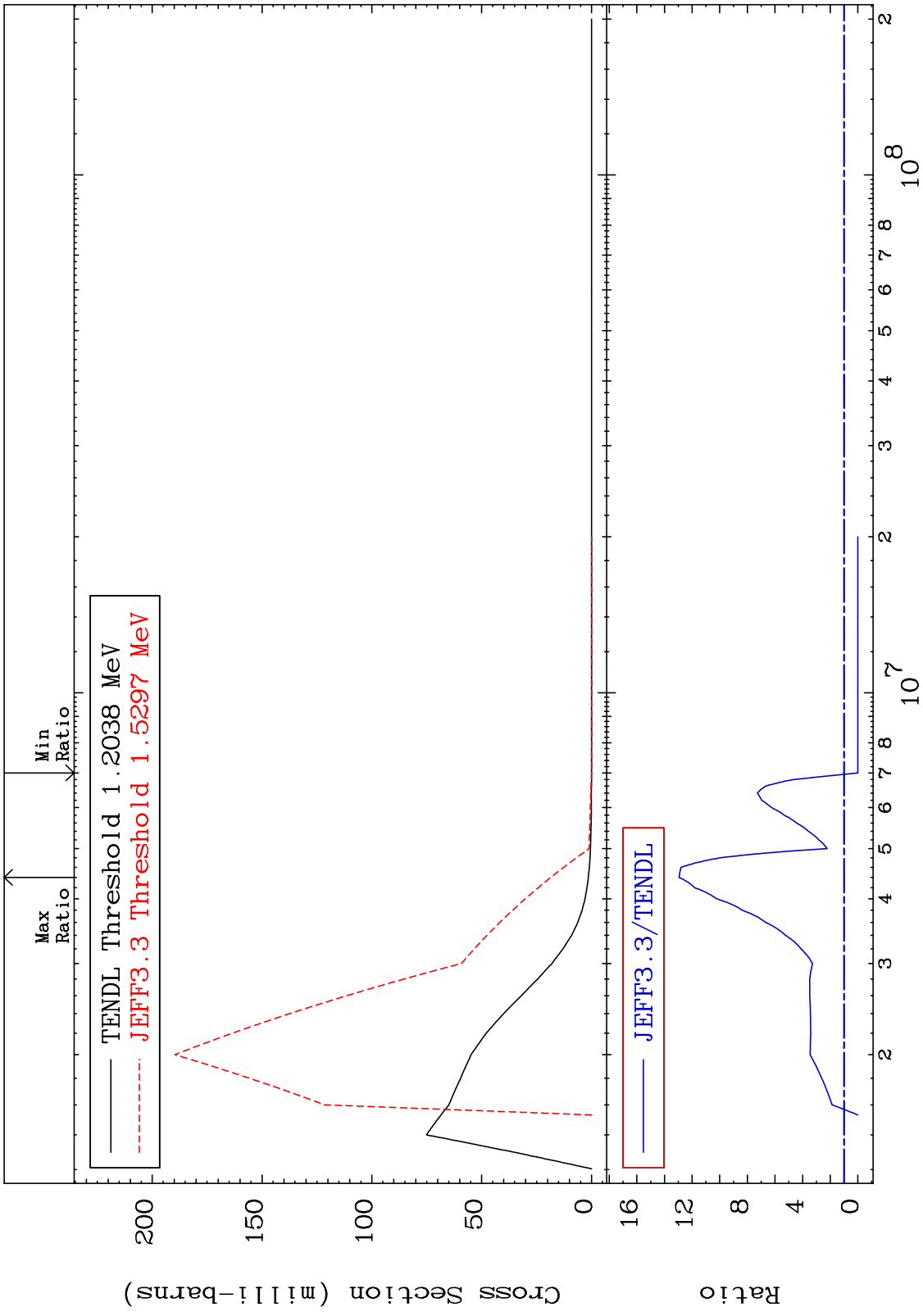
MAT 6443 MT= 59 (n,n') Level Cross Section 64-Gd-158 -100.0 To 1291. %



MAT 6443 MT= 60 (n,n') Level Cross Section 64-Gd-158 -100.0 To -35.35%



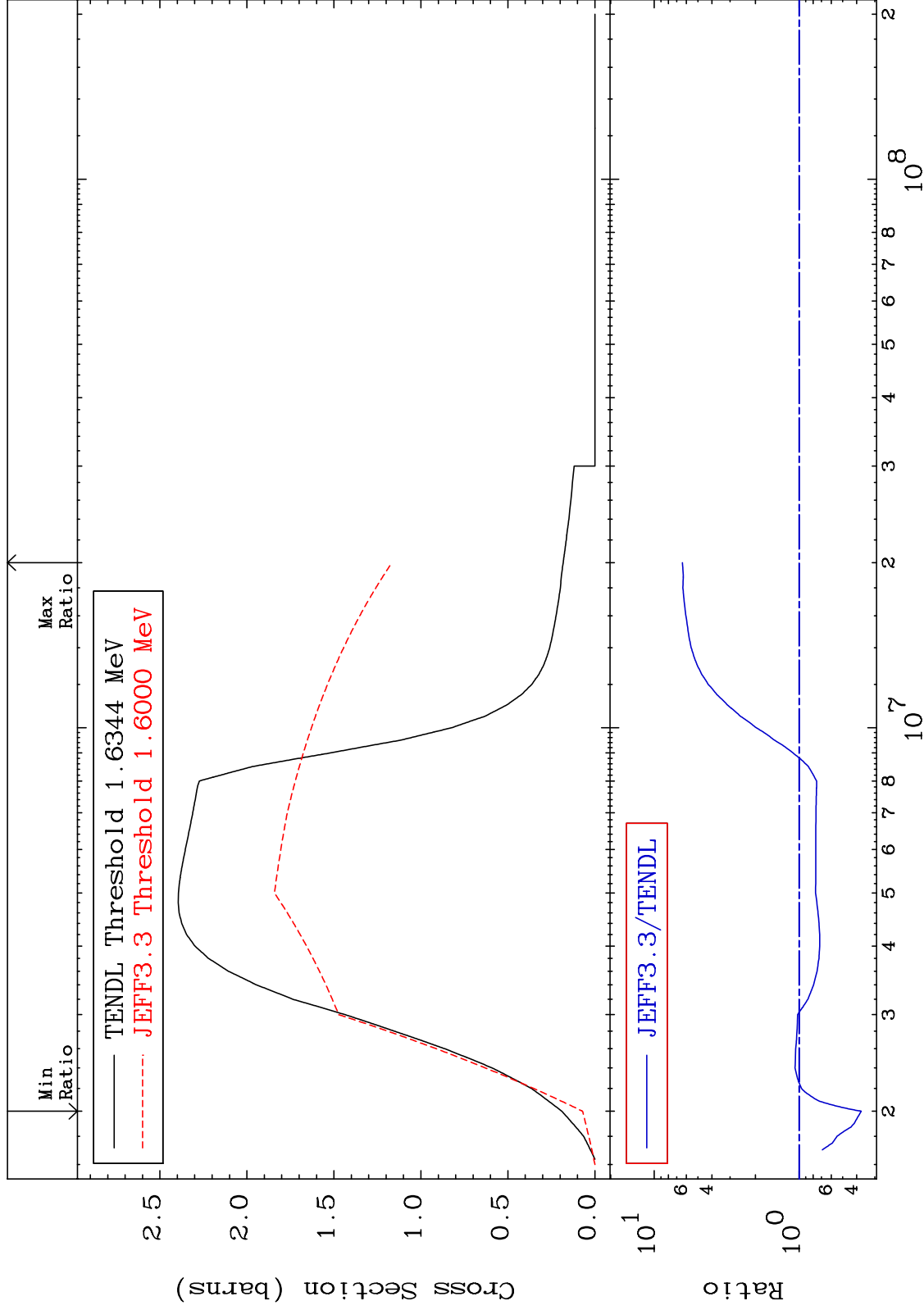
MAT 6443 MT= 61 (n,n') Level Cross Section 64-Gd-158 -100.0 To 1195. %



MAT 6443

(n, n') Continuum  
Cross Section

64-Gd-158  
-62.80 To 538.8 %





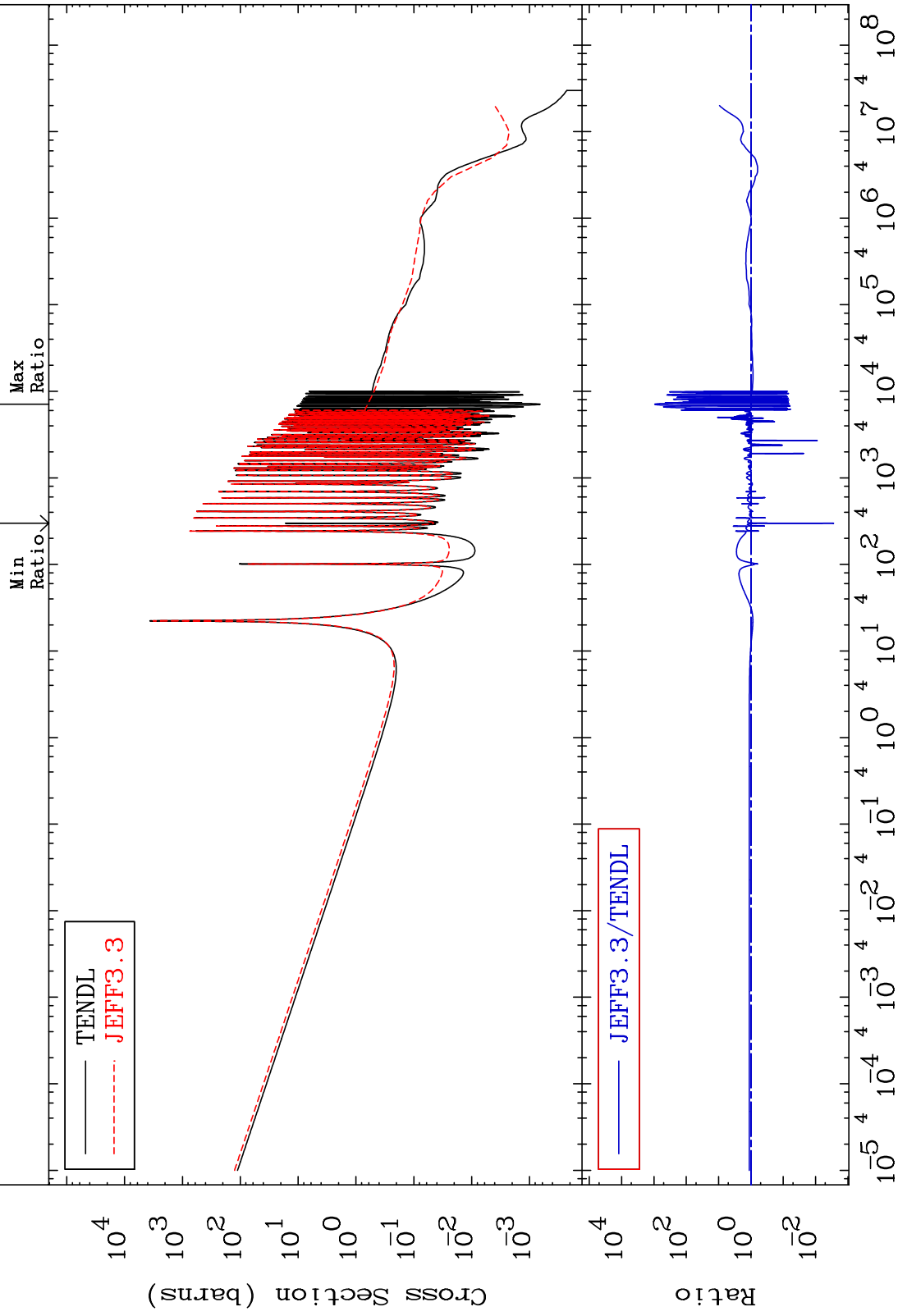
MAT 6443

(n,  $\gamma$ )

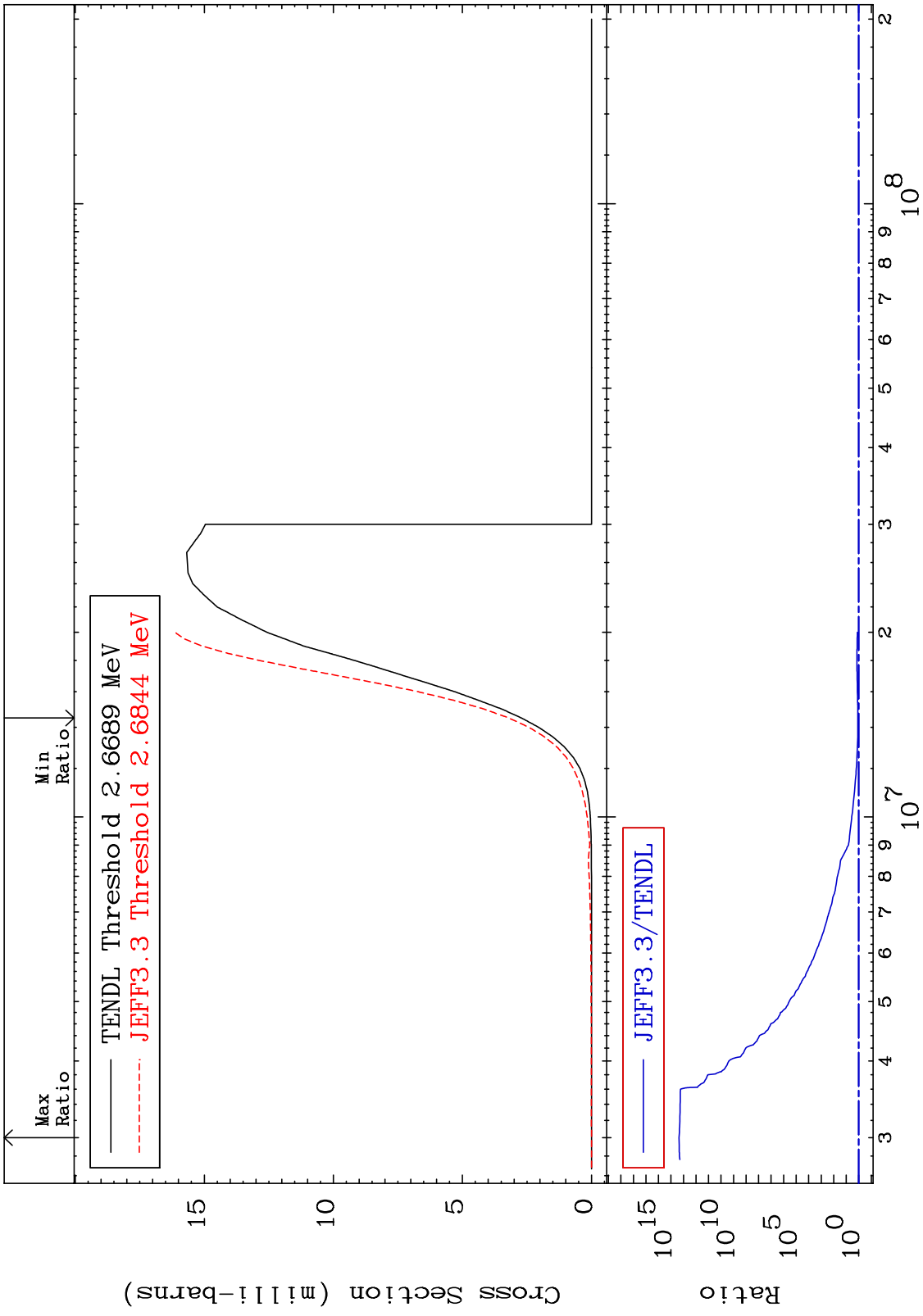
64-Gd-158

-99.72 To 9999. %

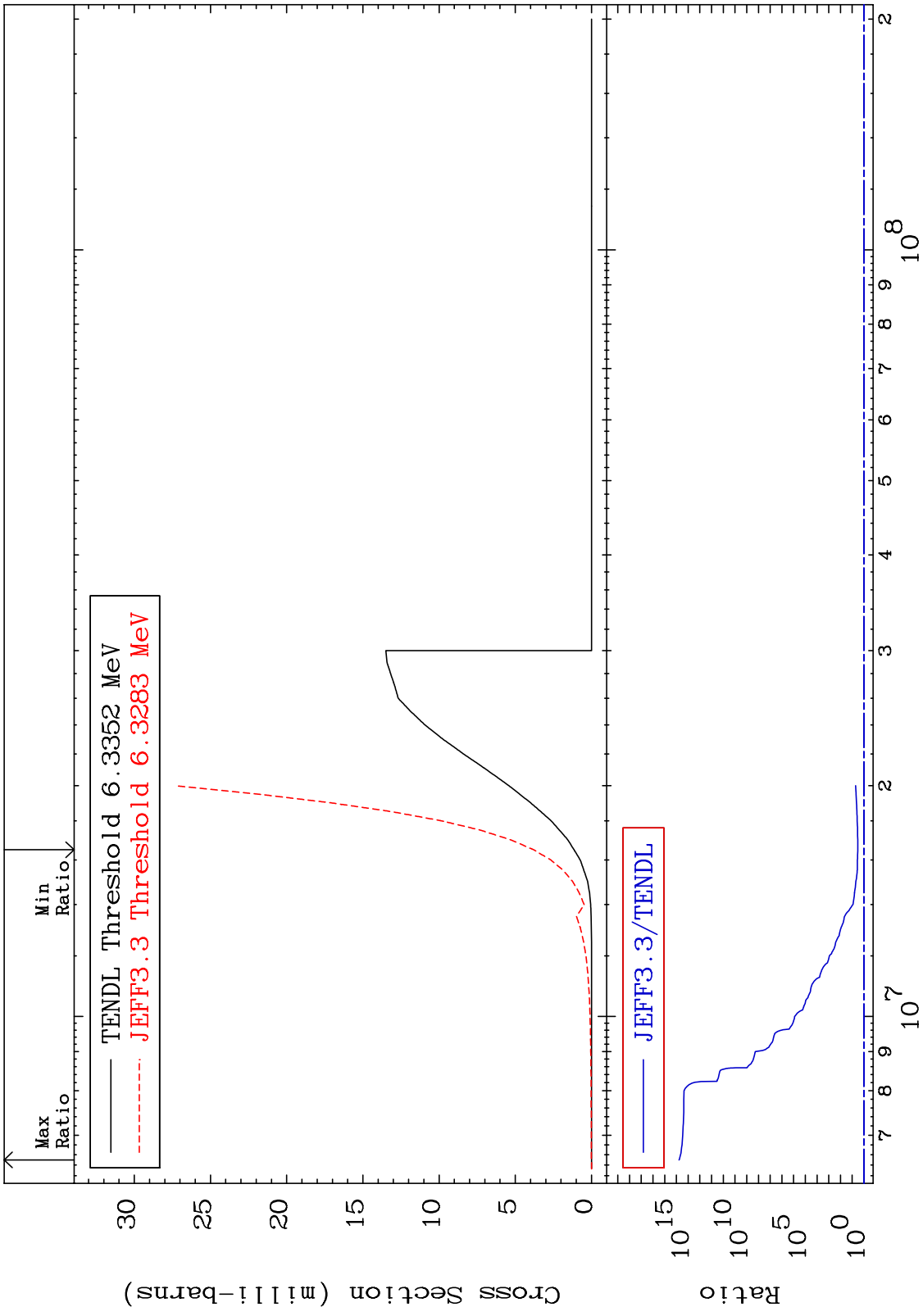
Cross Section



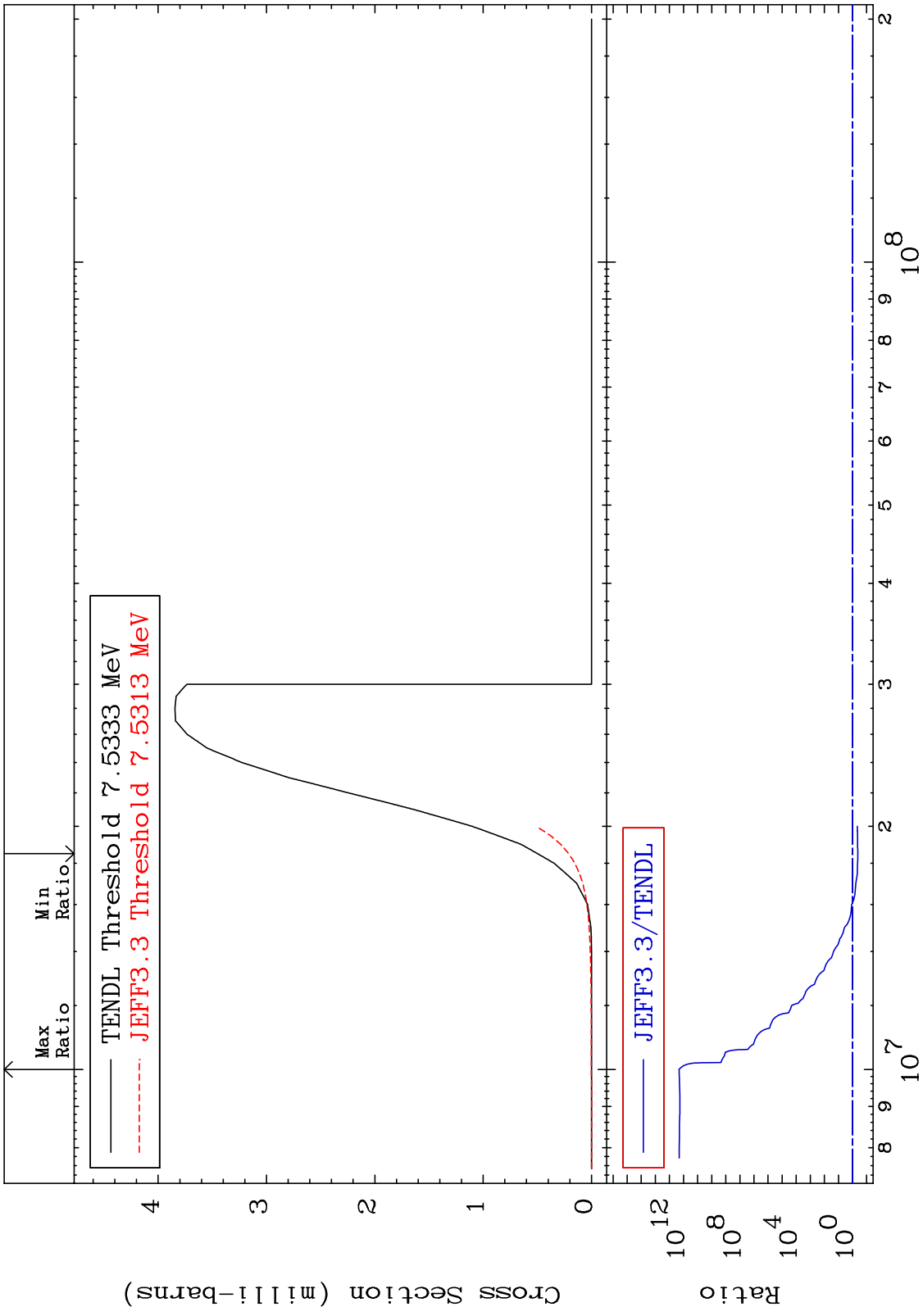
MAT 6443 (n,p) Cross Section 64-Gd-158 To 9999. %  
 17.95



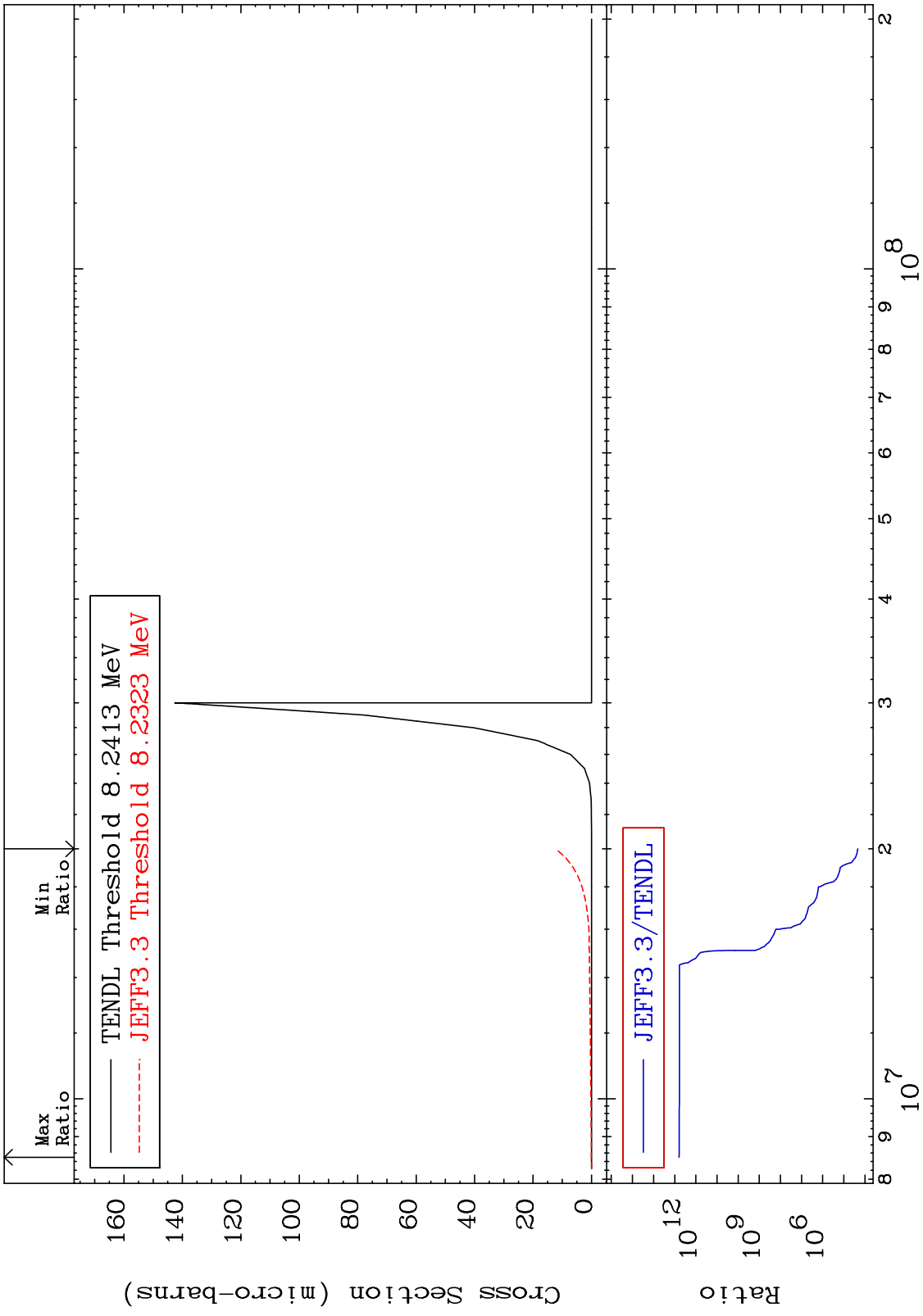
MAT 6443 (n,d) Cross Section 64-Gd-158 230.5 To 9999. %



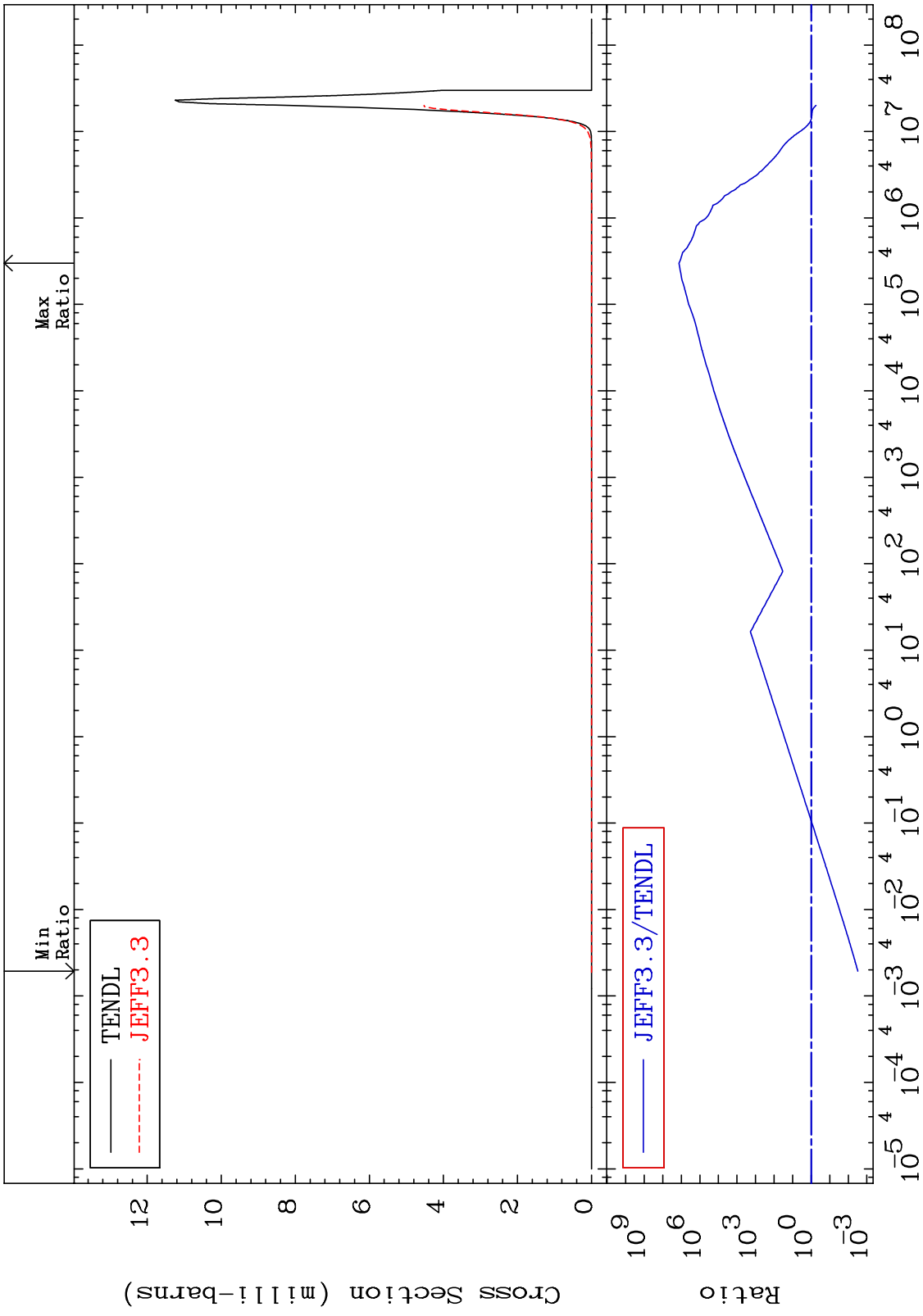
MAT 6443 (n,t) Cross Section 64-Gd-158  
 -57.90 To 9999. %

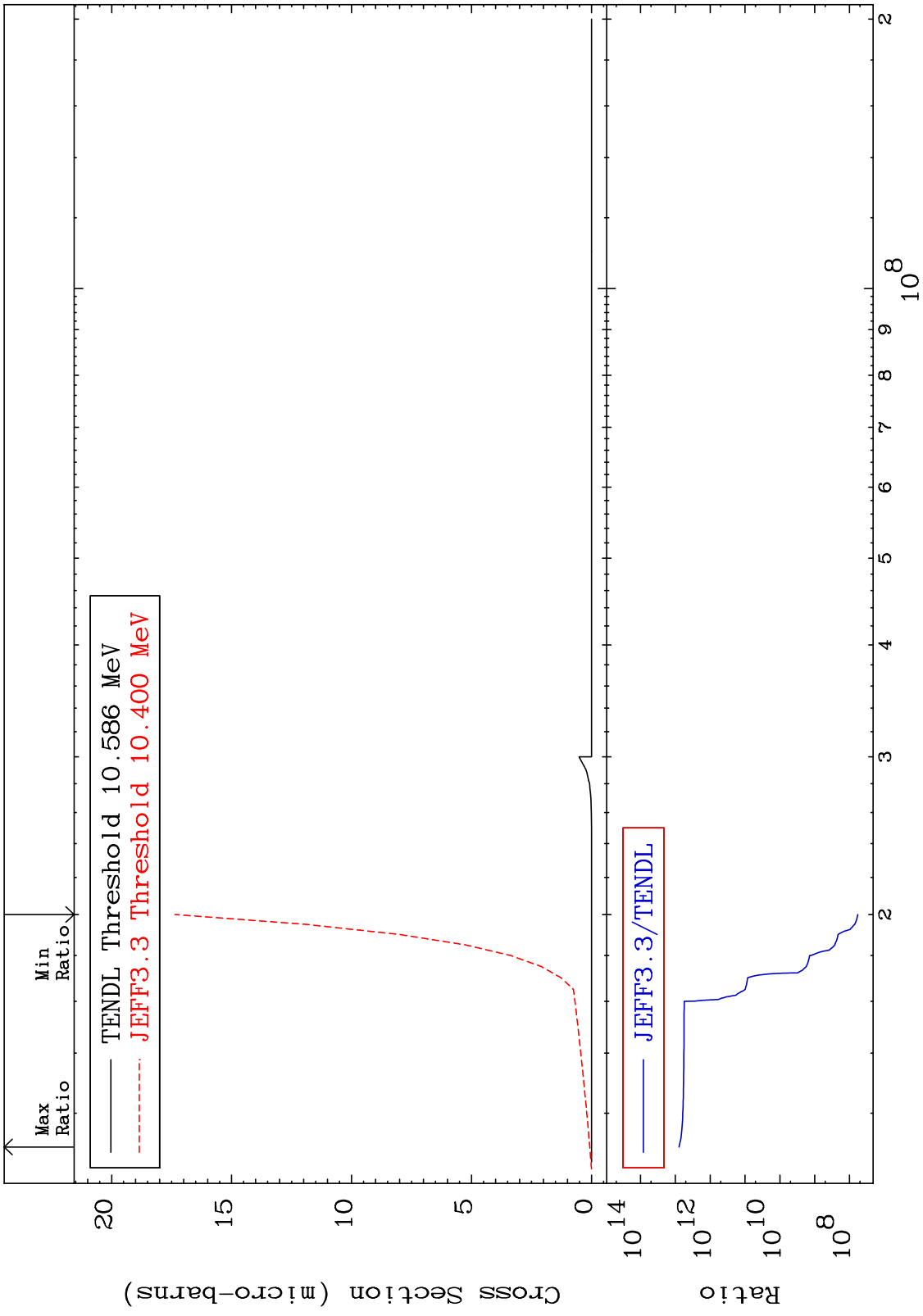


19 Incident Energy (eV) 64-Gd-158

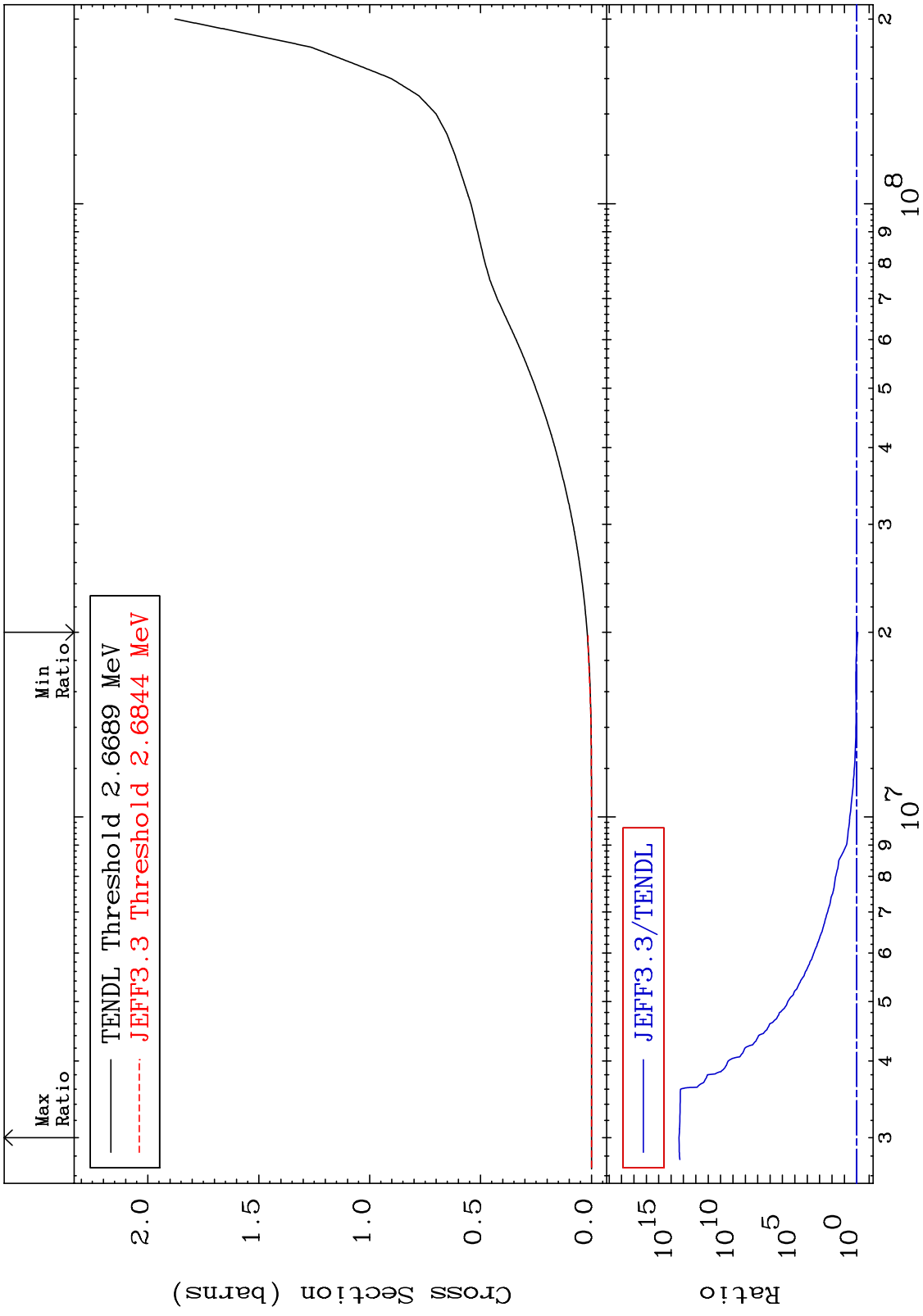


MAT 6443 64-Gd-158  
 Cross Section -99.69 To 9999. %



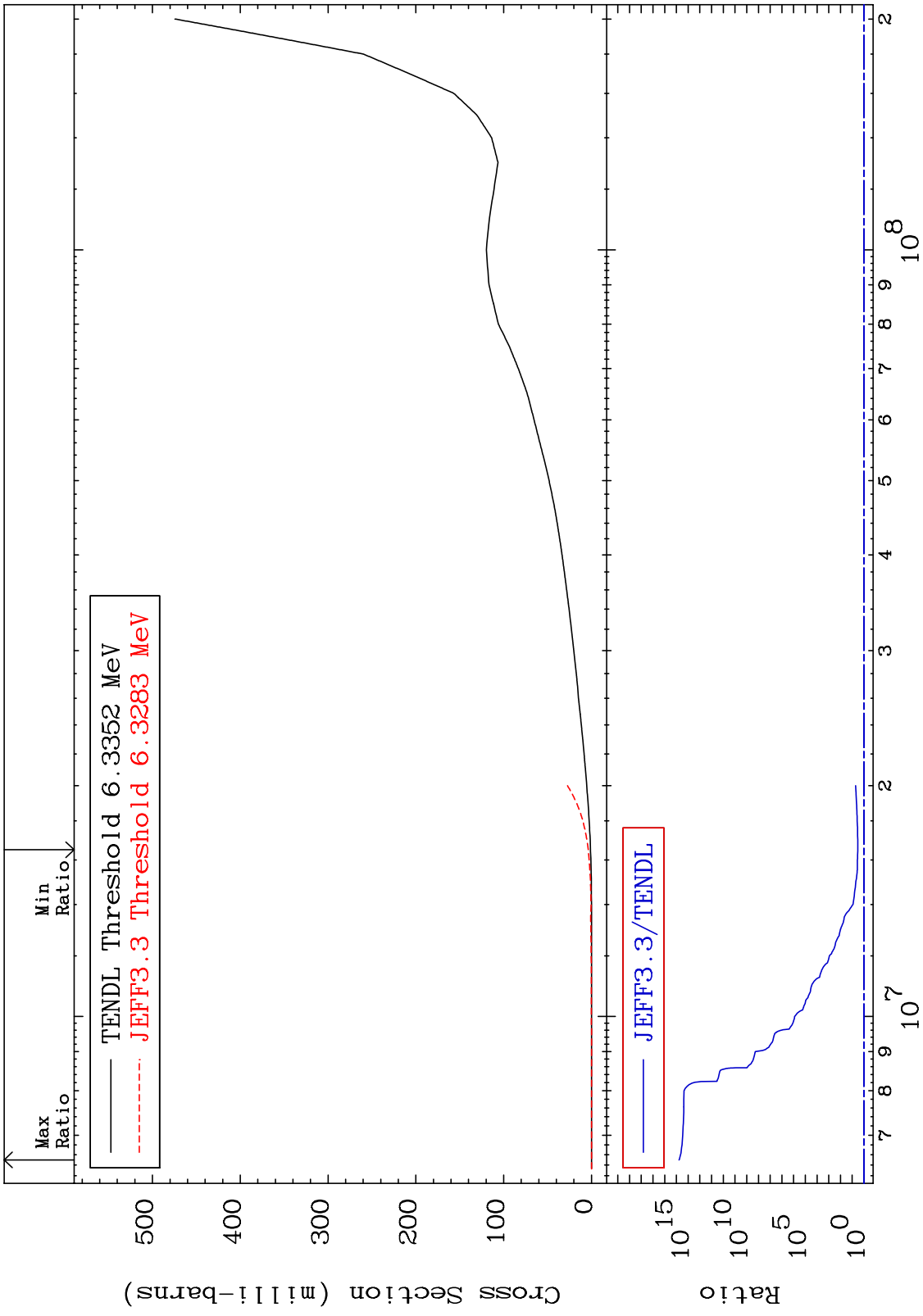


MAT 6443 Hydrogen Production Cross Section 64-Gd-158 -18.32 To 9999. %





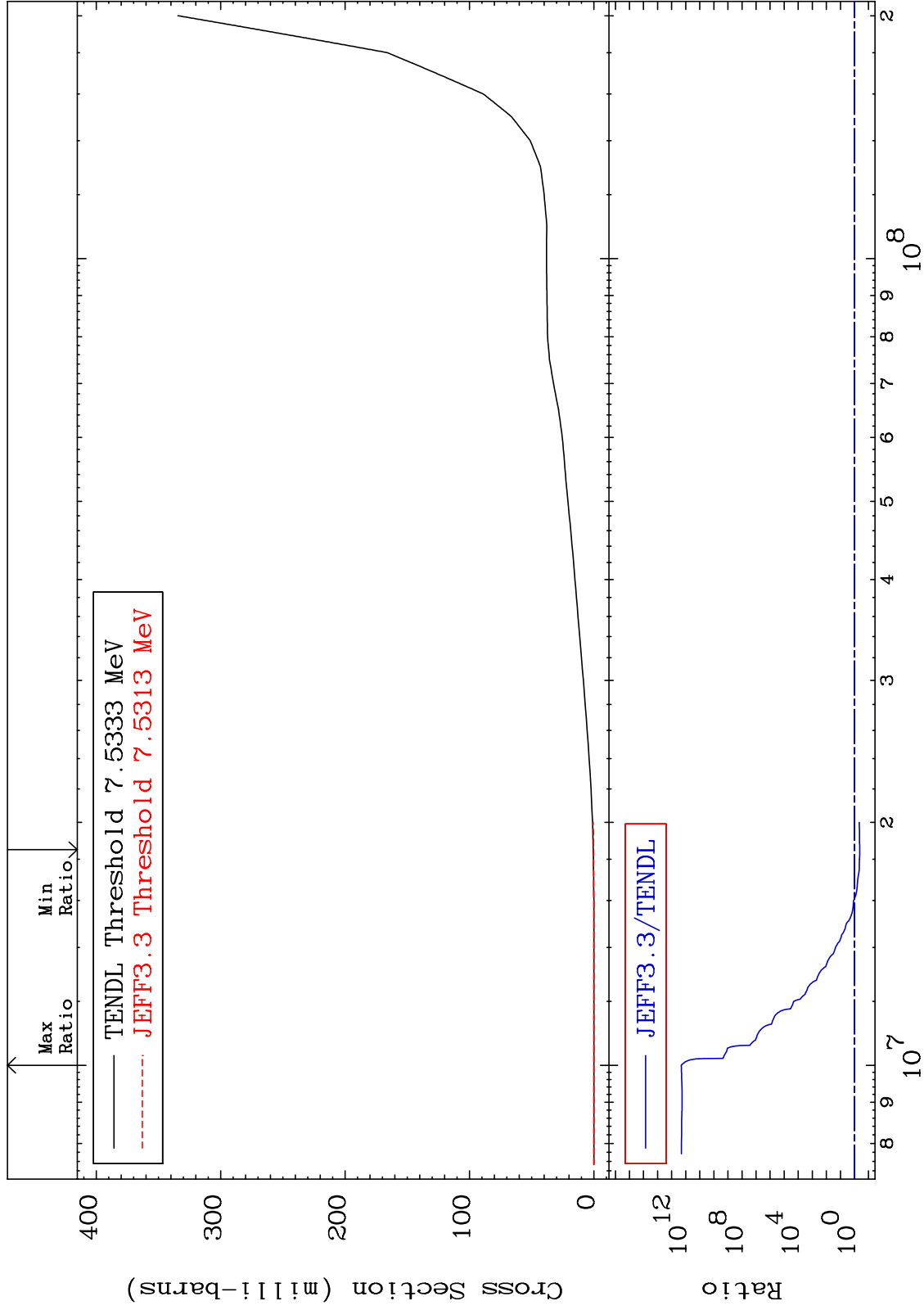
MAT 6443 Deuterium Production Cross Section 64-Gd-158 230.5 To 9999. %



MAT 6443

Tritium Production  
Cross Section

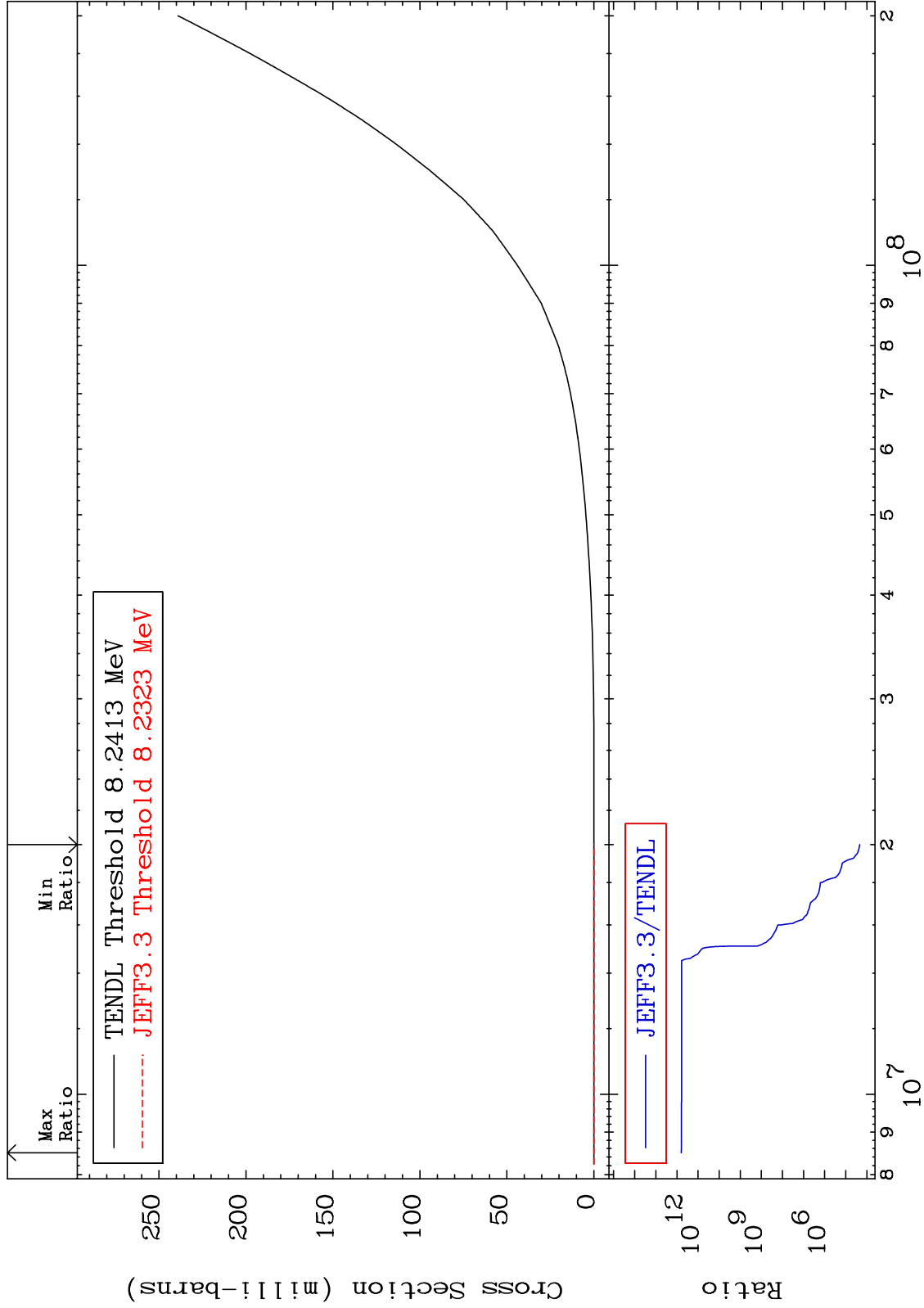
64-Gd-158  
-57.91 To 9999. %



MAT 6443

He-3 Production  
Cross Section

64-Gd-158  
9999. To 9999. %

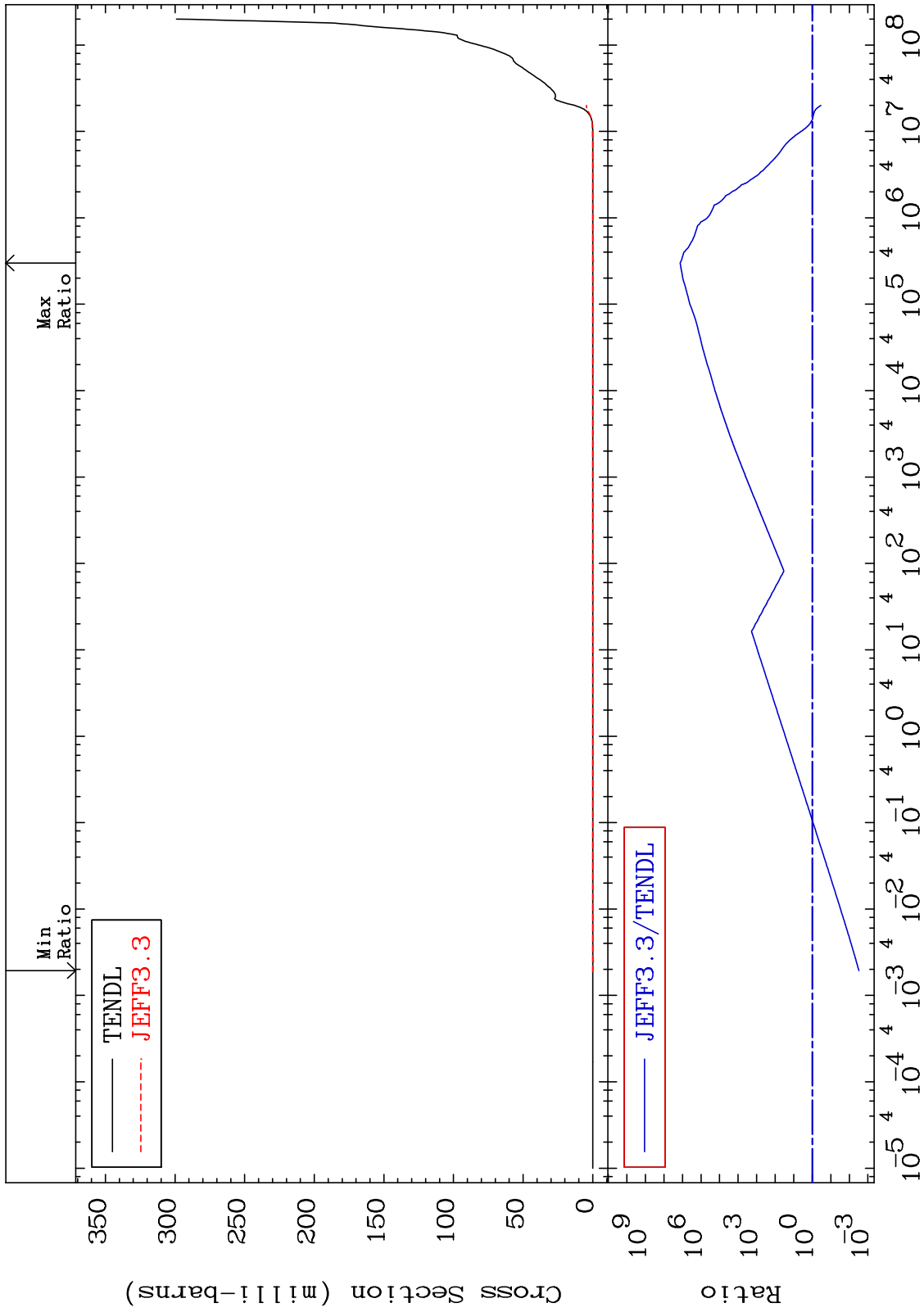


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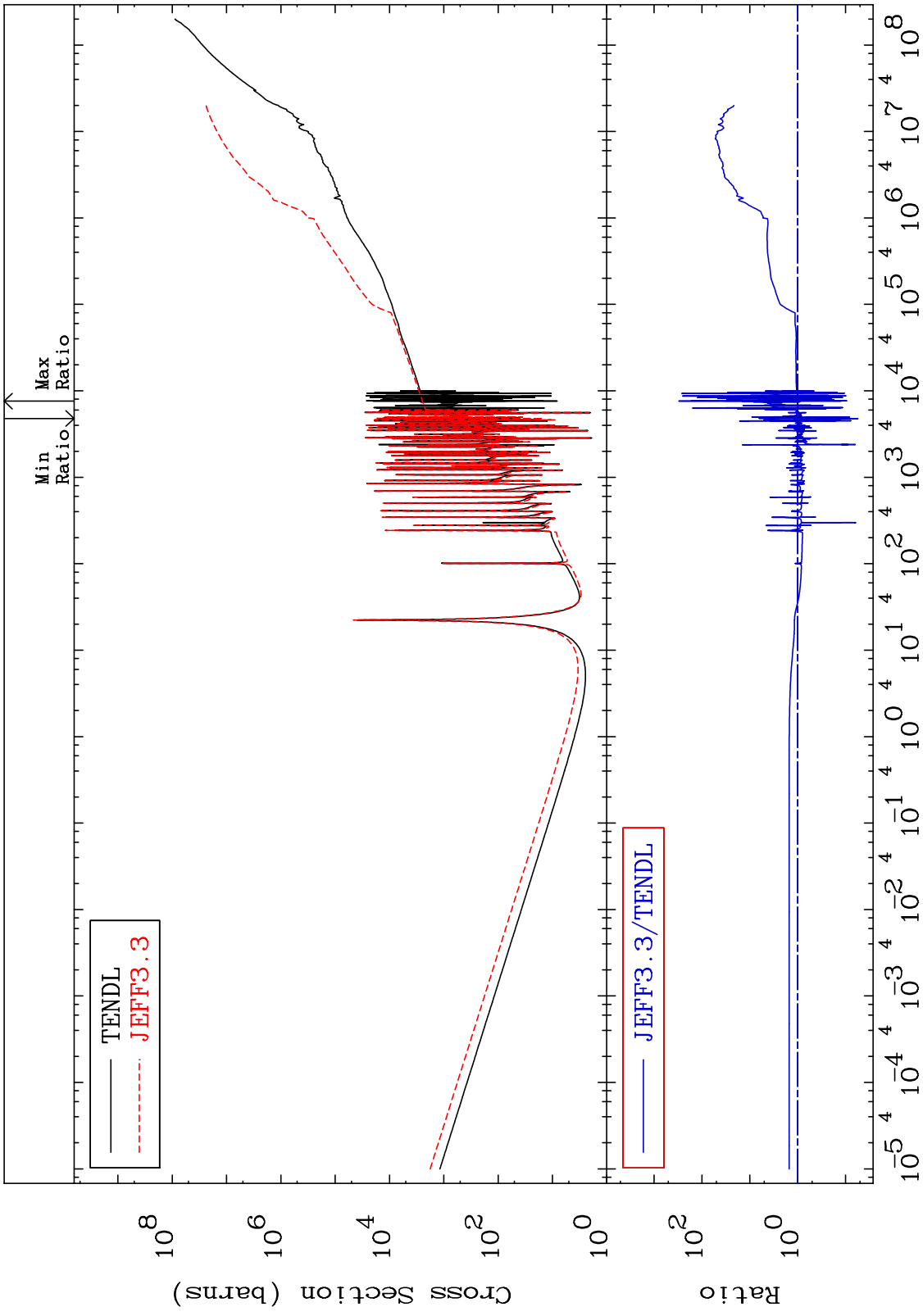
Incident Energy (eV)

64-Gd-158

MAT 6443 He-4 Production Cross Section 64-Gd-158  
 -99.69 To 9999. %



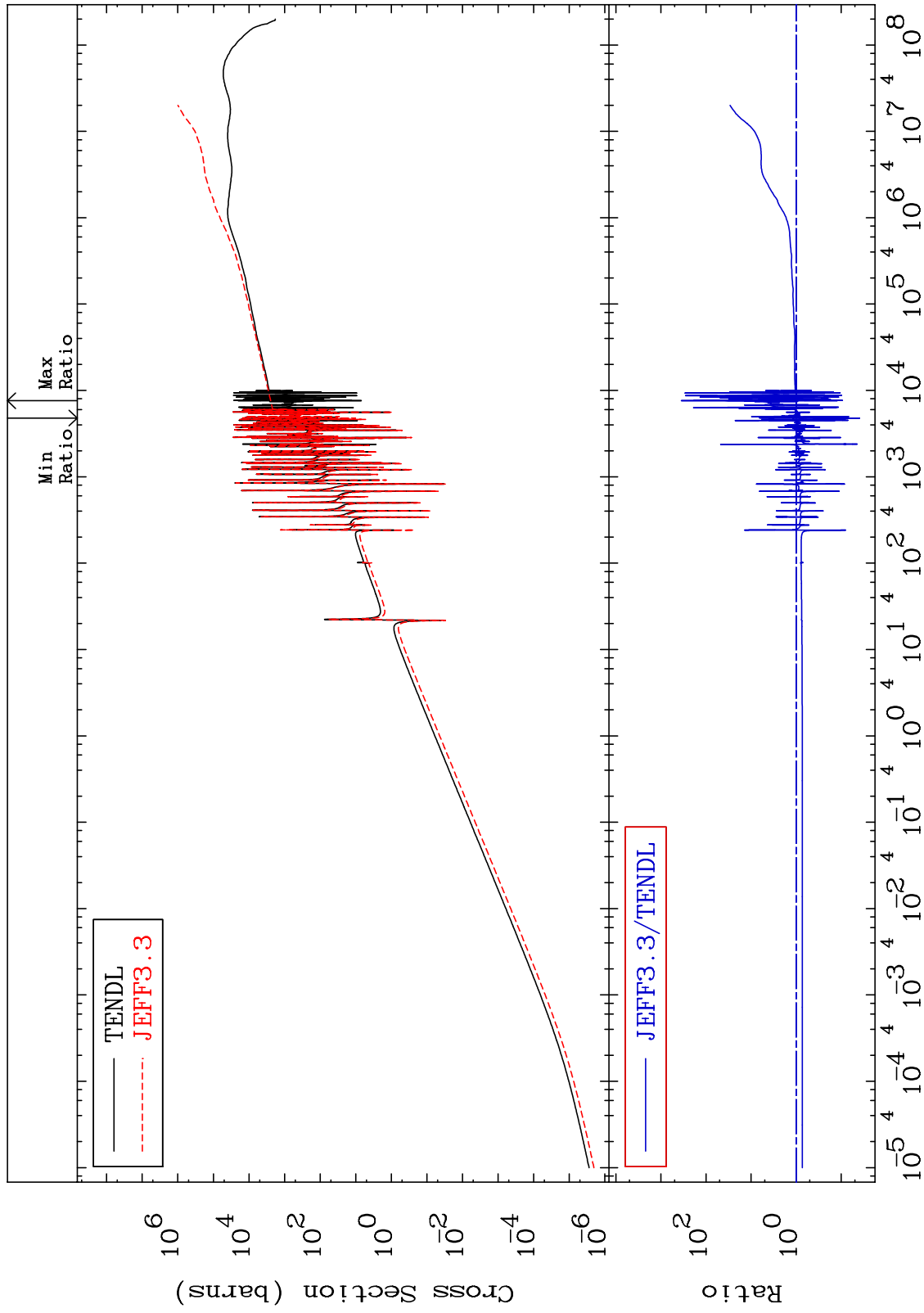
MAT 6443      Kerma total (eV-barns)  
 Cross Section      64-Gd-158  
 -94.46 To 9999. %



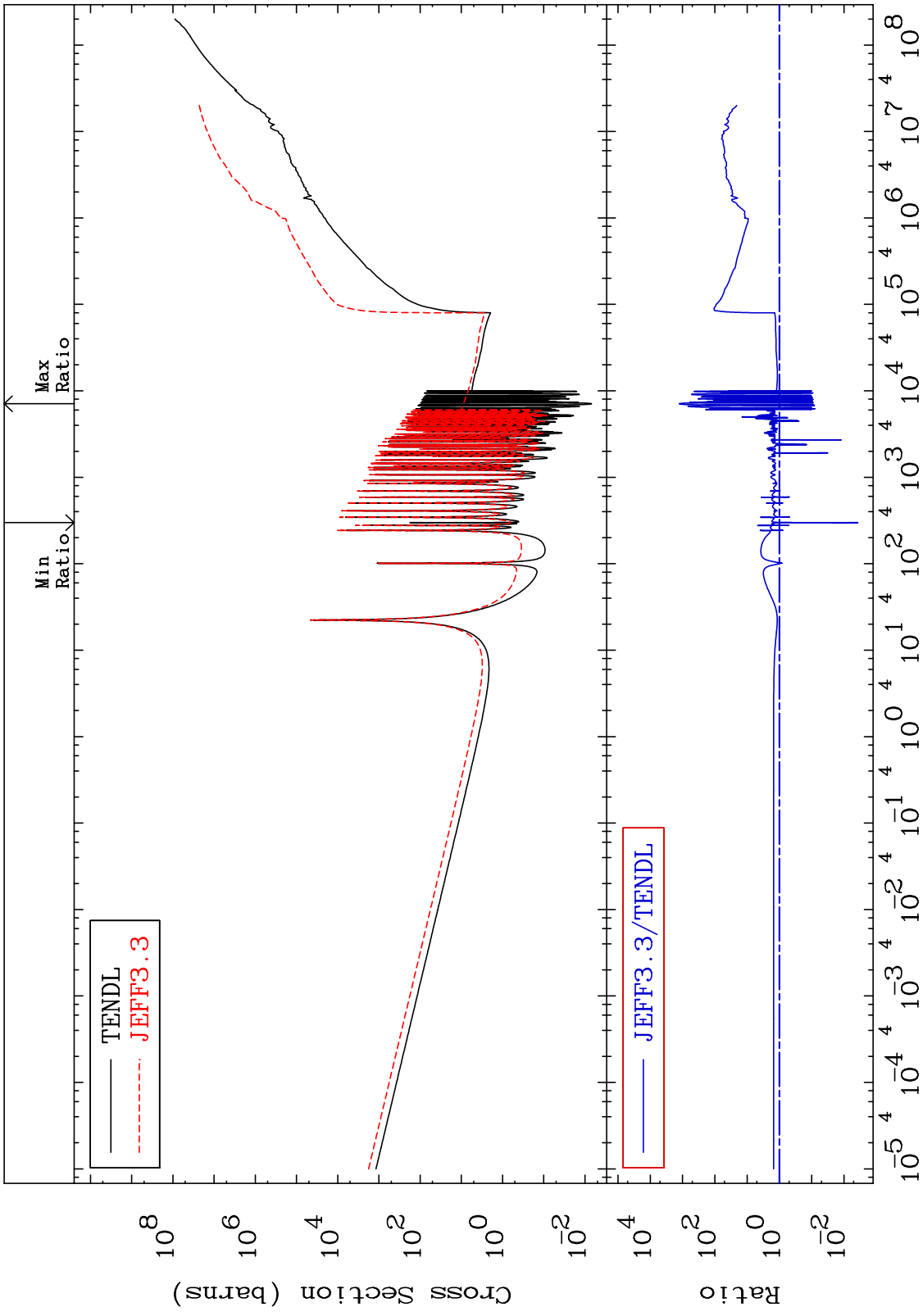
MAT 6443

Kerma elastic  
Cross Section

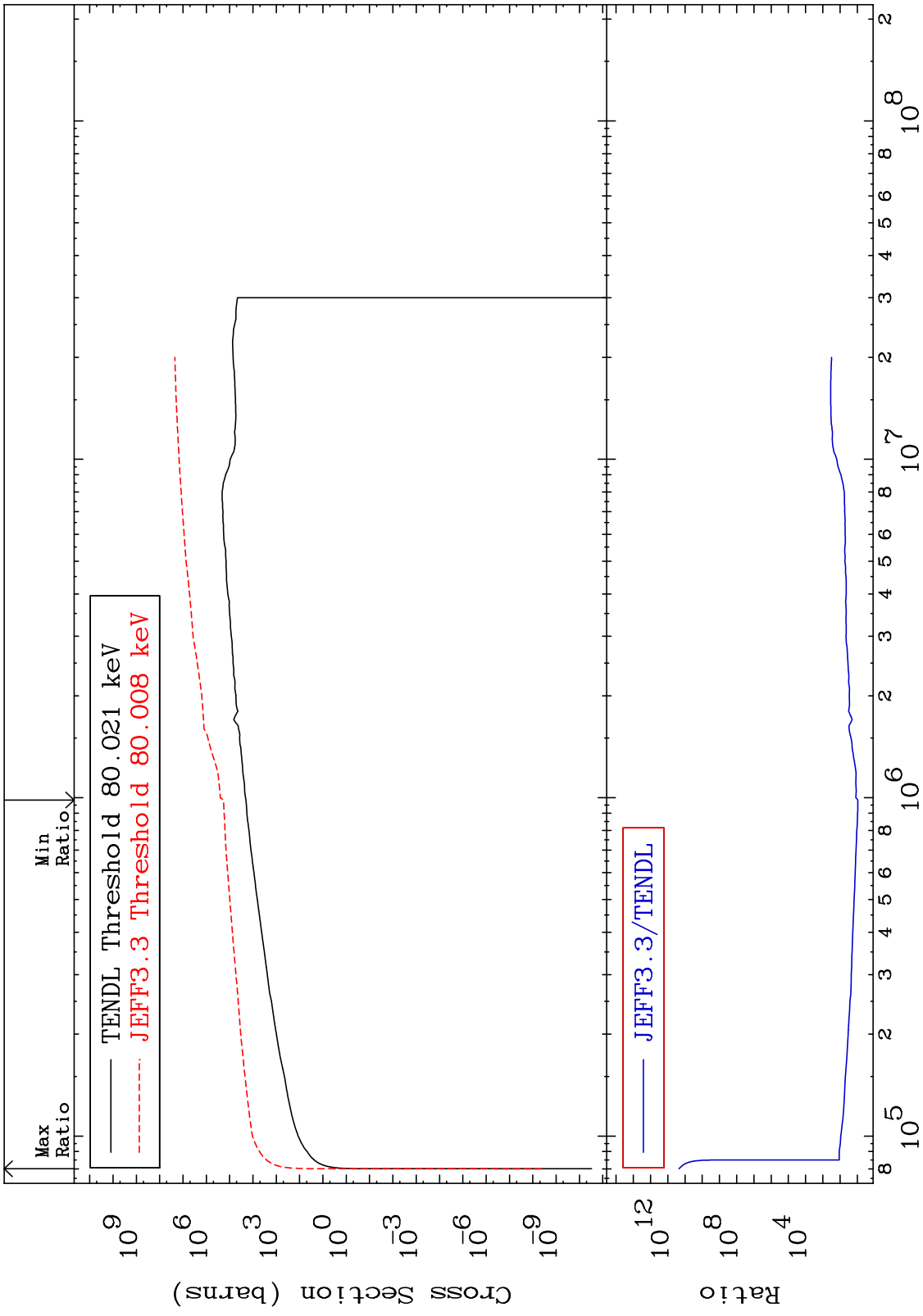
64-Gd-158  
-96.12 To 9999. %



MAT 6443      Kerma non-elastic (all but mt2)      64-Gd-158  
 Cross Section      -99.63 To 9999. %



Incident Energy (eV)      64-Gd-158

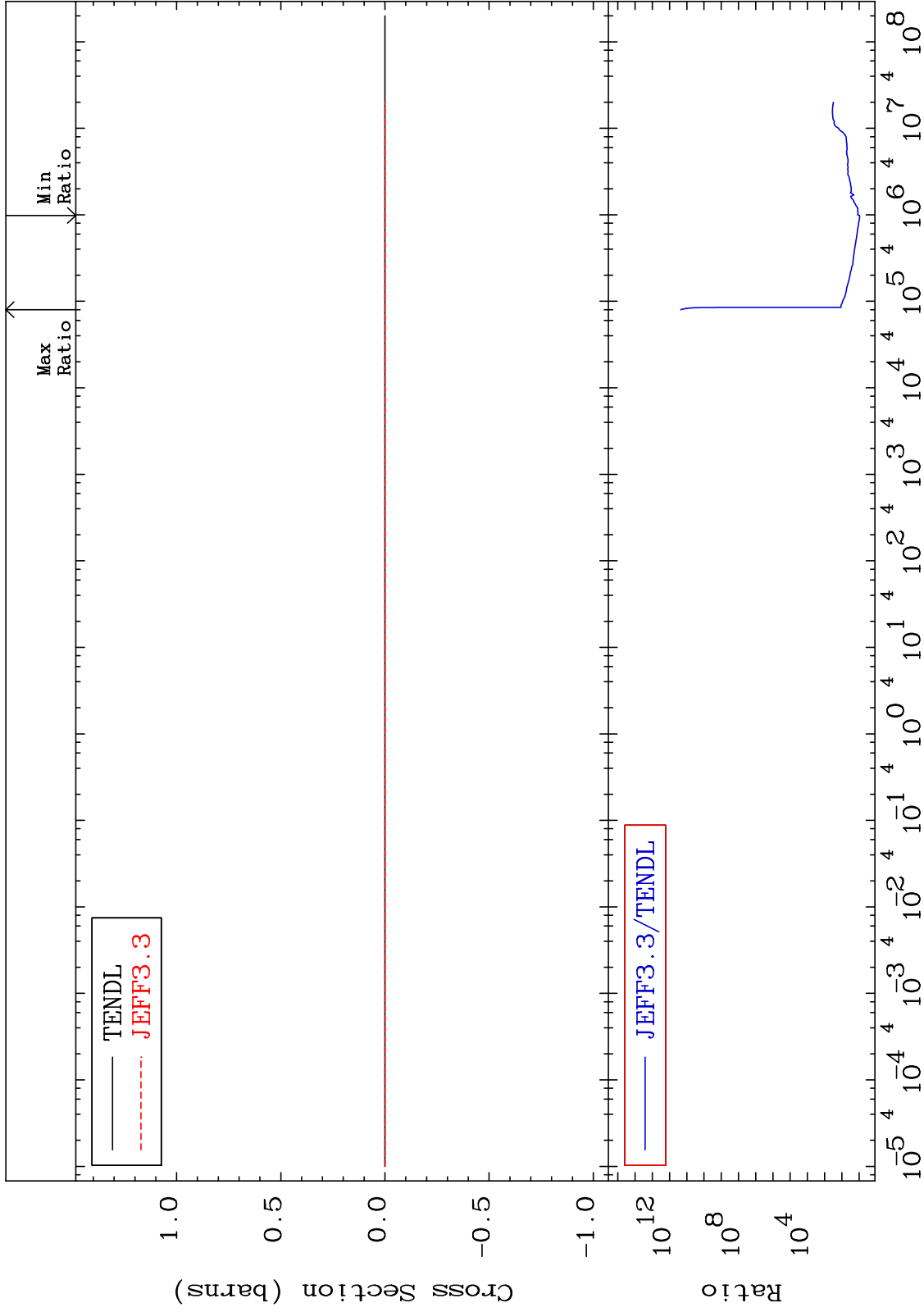




MAT 6443

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

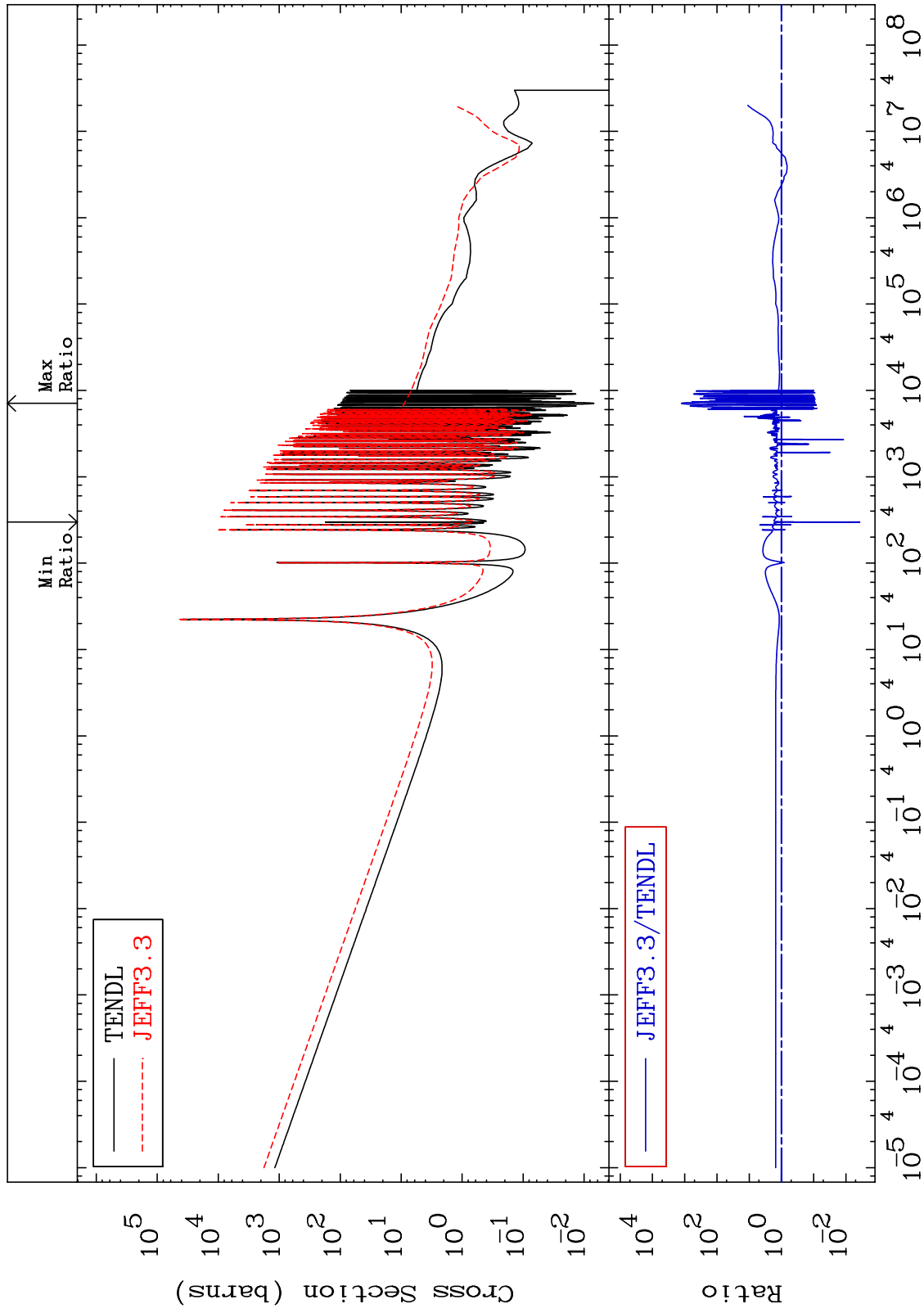
64-Gd-158  
825.1 To 9999. %



MAT 6443

Kerma capture (mt102)  
Cross Section

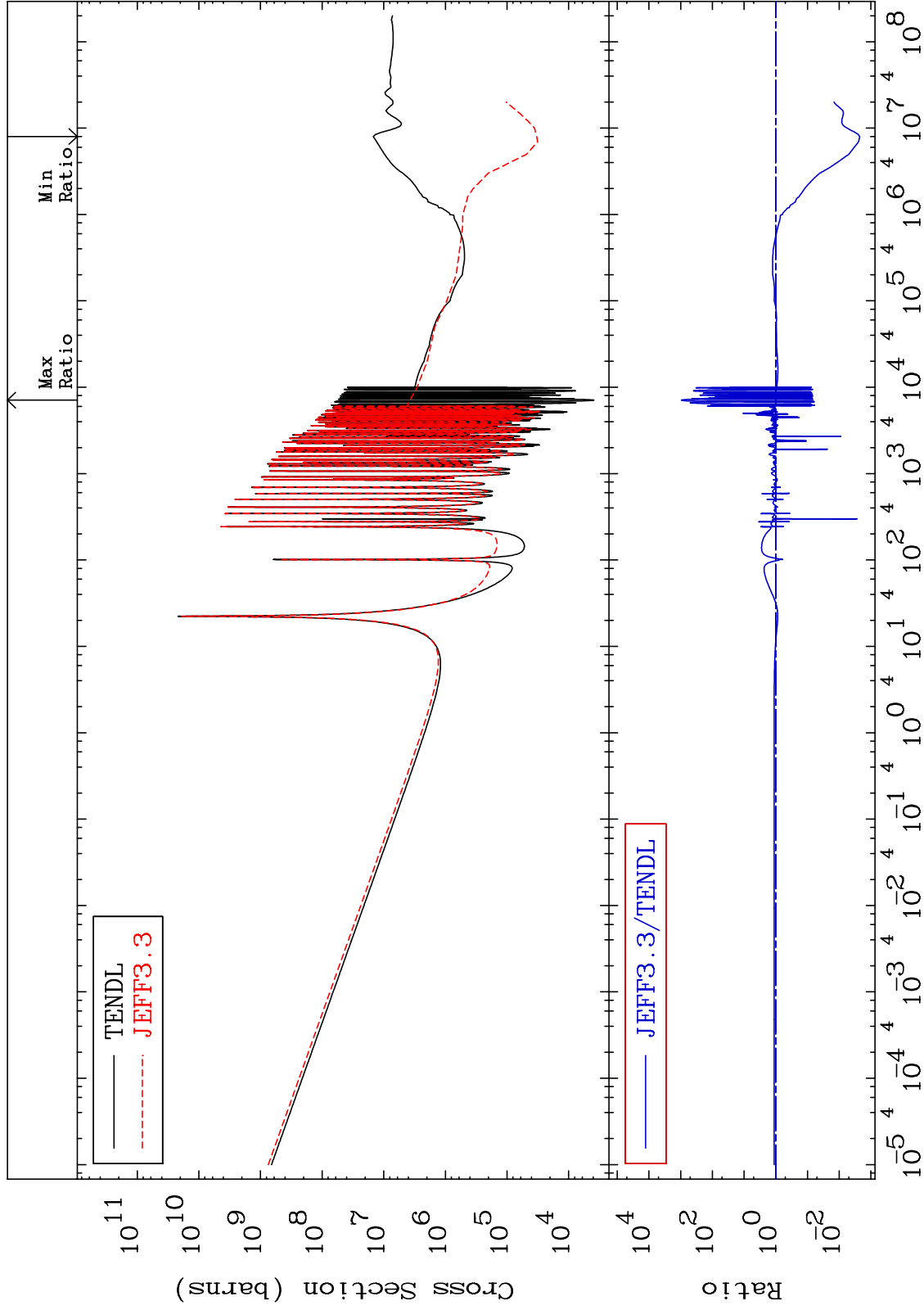
64-Gd-158  
-99.63 To 9999. %



MAT 6443

Total photon (eV-barns)  
Cross Section

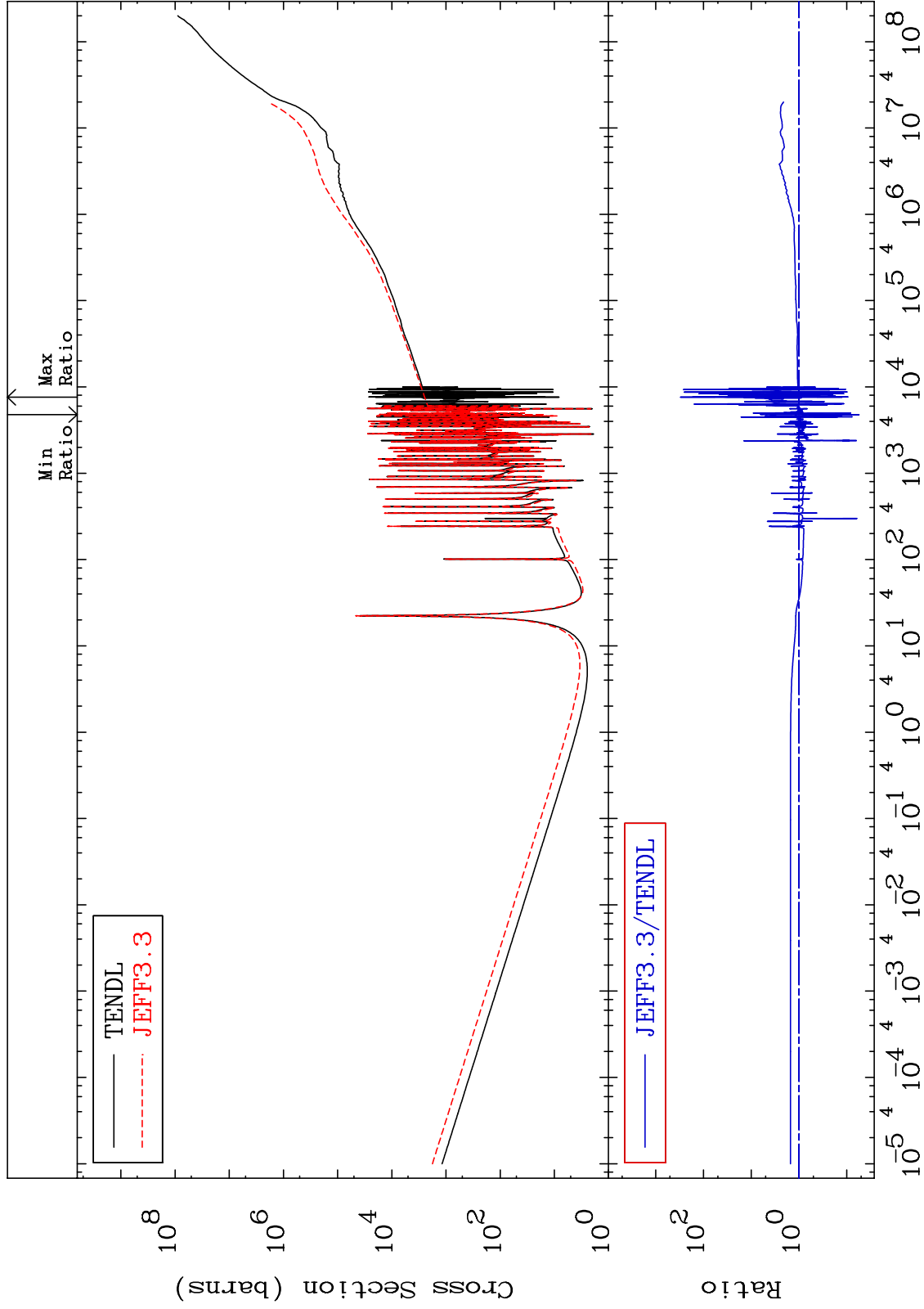
64-Gd-158  
-99.78 To 9999. %



MAT 6443

Total kinematic kerma (high limit)  
Cross Section

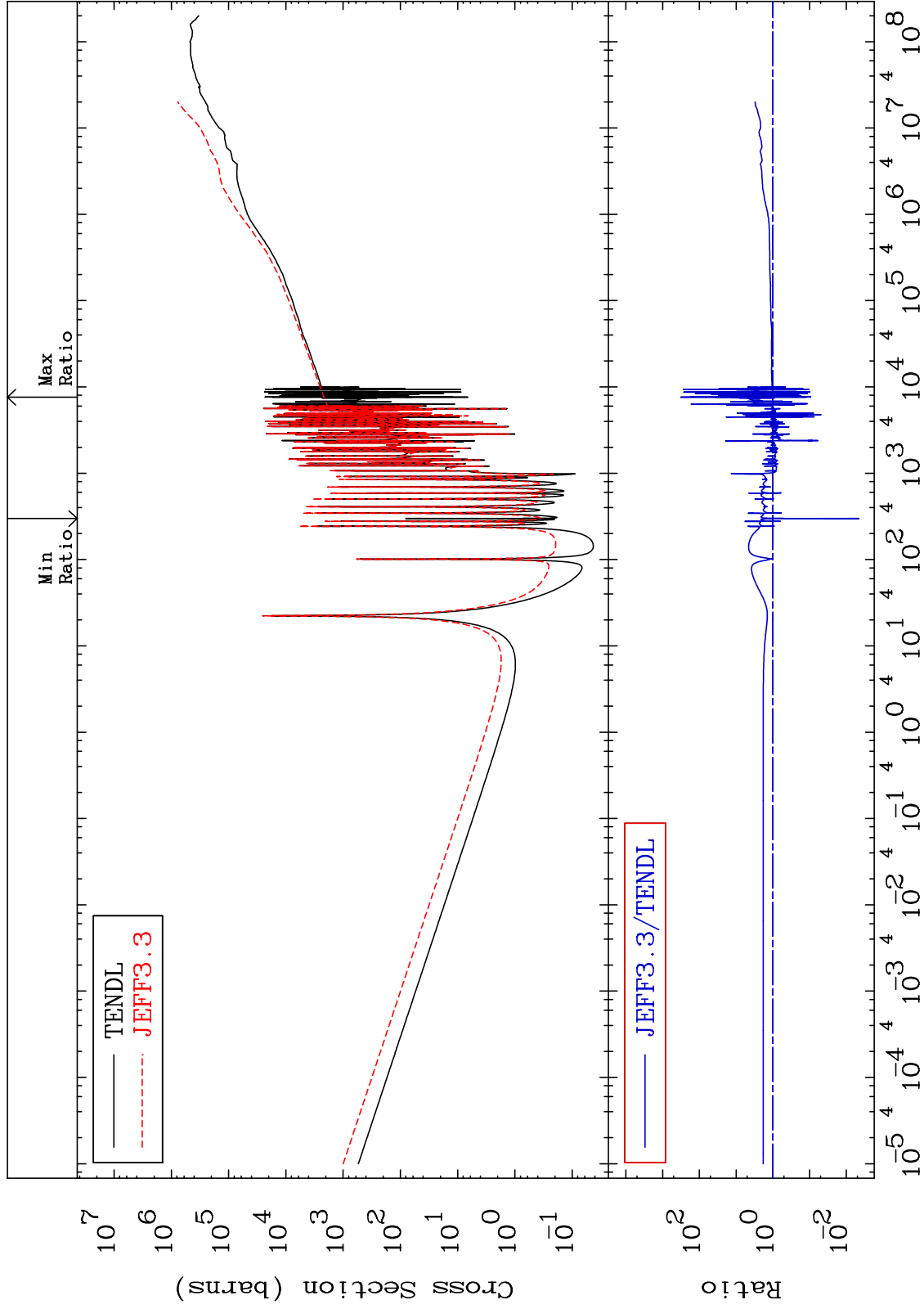
64-Gd-158  
-94.46 To 9999. %



MAT 6443

Dpa total (eV-barns)  
Cross Section

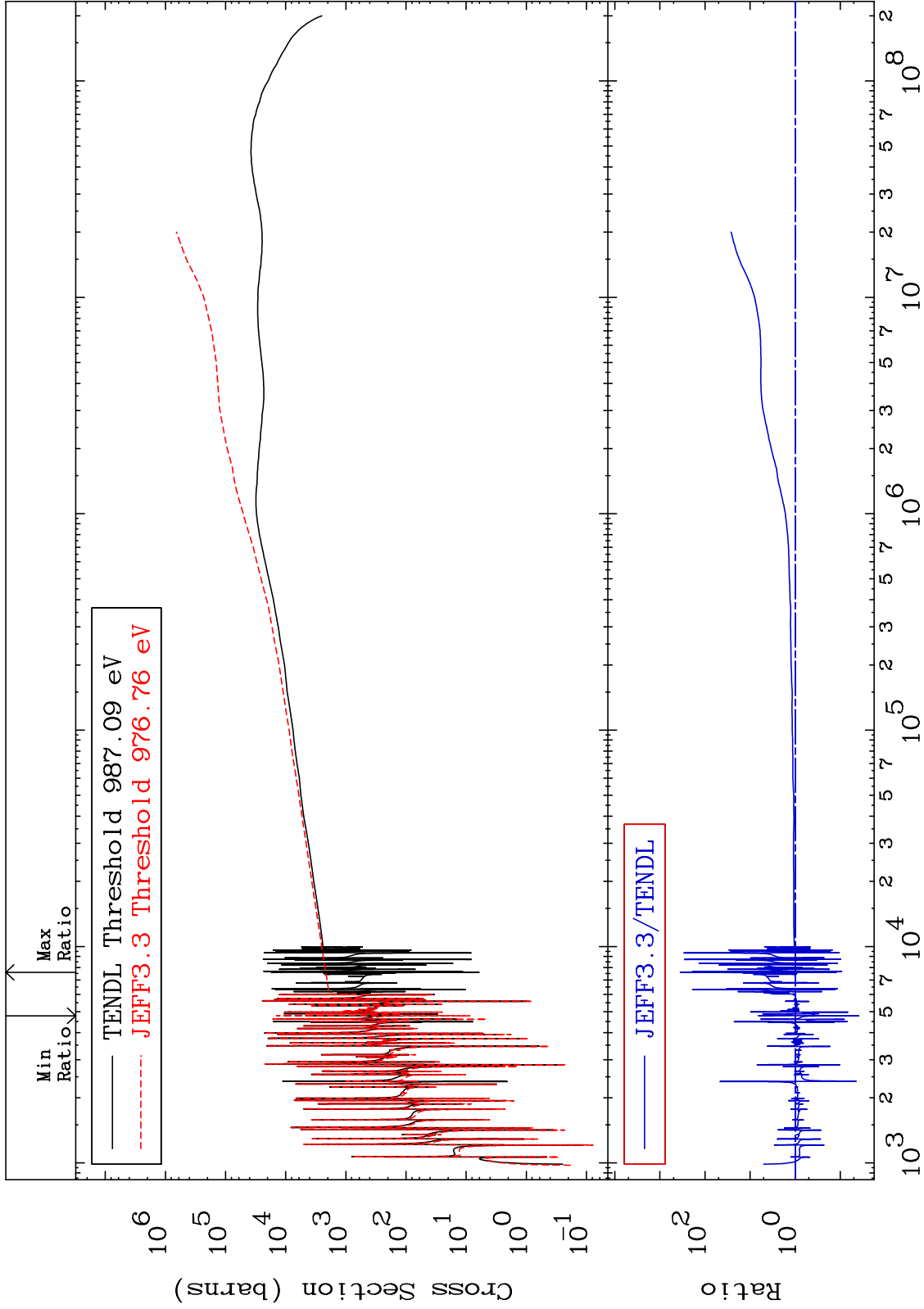
64-Gd-158  
-99.55 To 9999. %



MAT 6443

Dpa elastic (mt2)  
Cross Section

64-Gd-158  
-96.13 To 9999. %

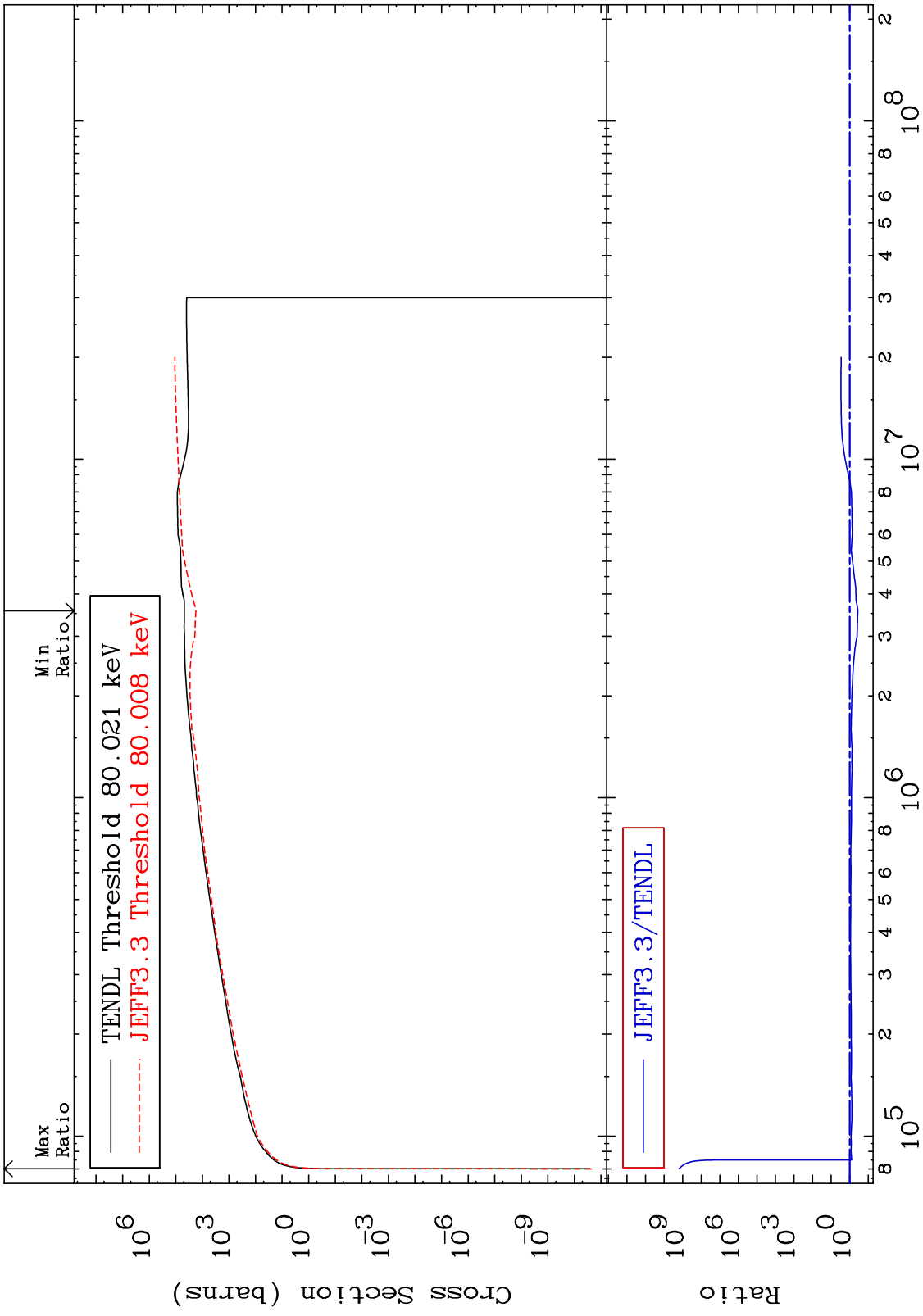


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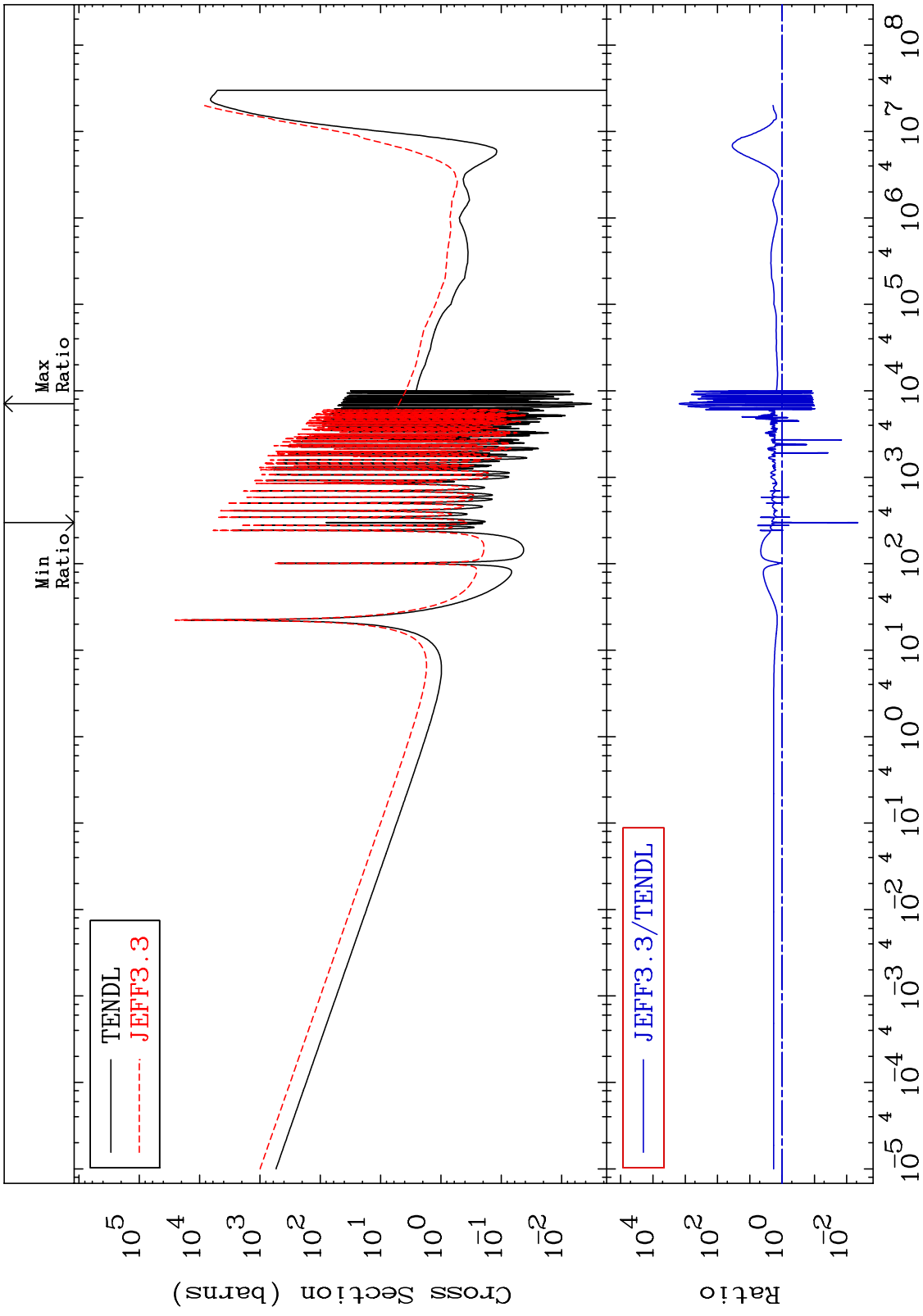
Incident Energy (eV)

64-Gd-158

MAT 6443      Dpa inelastic (mt51-91)      64-Gd-158  
 Cross Section      -63.24 To 9999. %



MAT 6443      Dpa disappearance (mt102 -120)      64-Gd-158  
 Cross Section      -99.55 To 9999. %





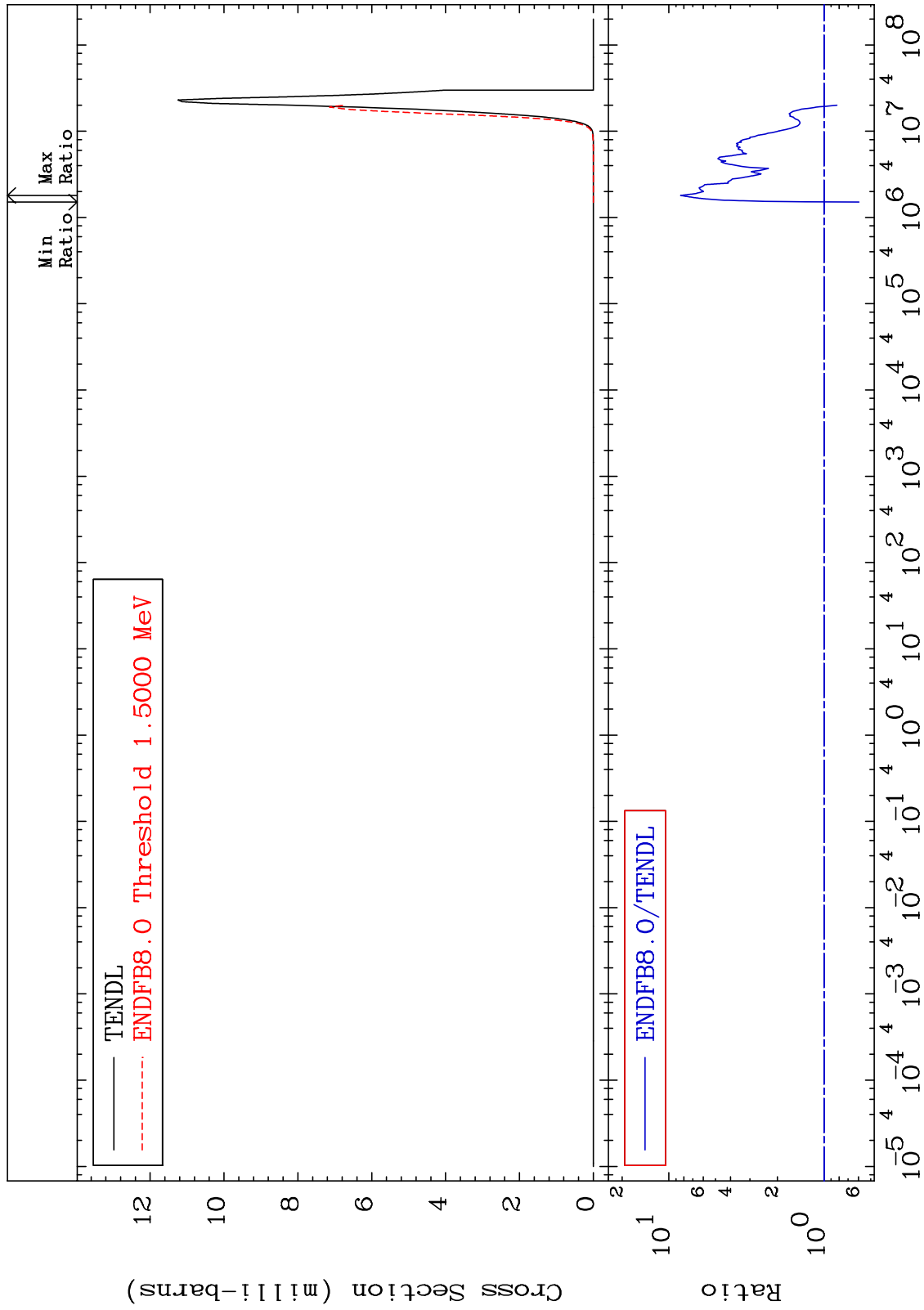
MAT 6443

(n,  $\alpha$ )

64-Gd-158

Cross Section

-40.51 To 739.4 %



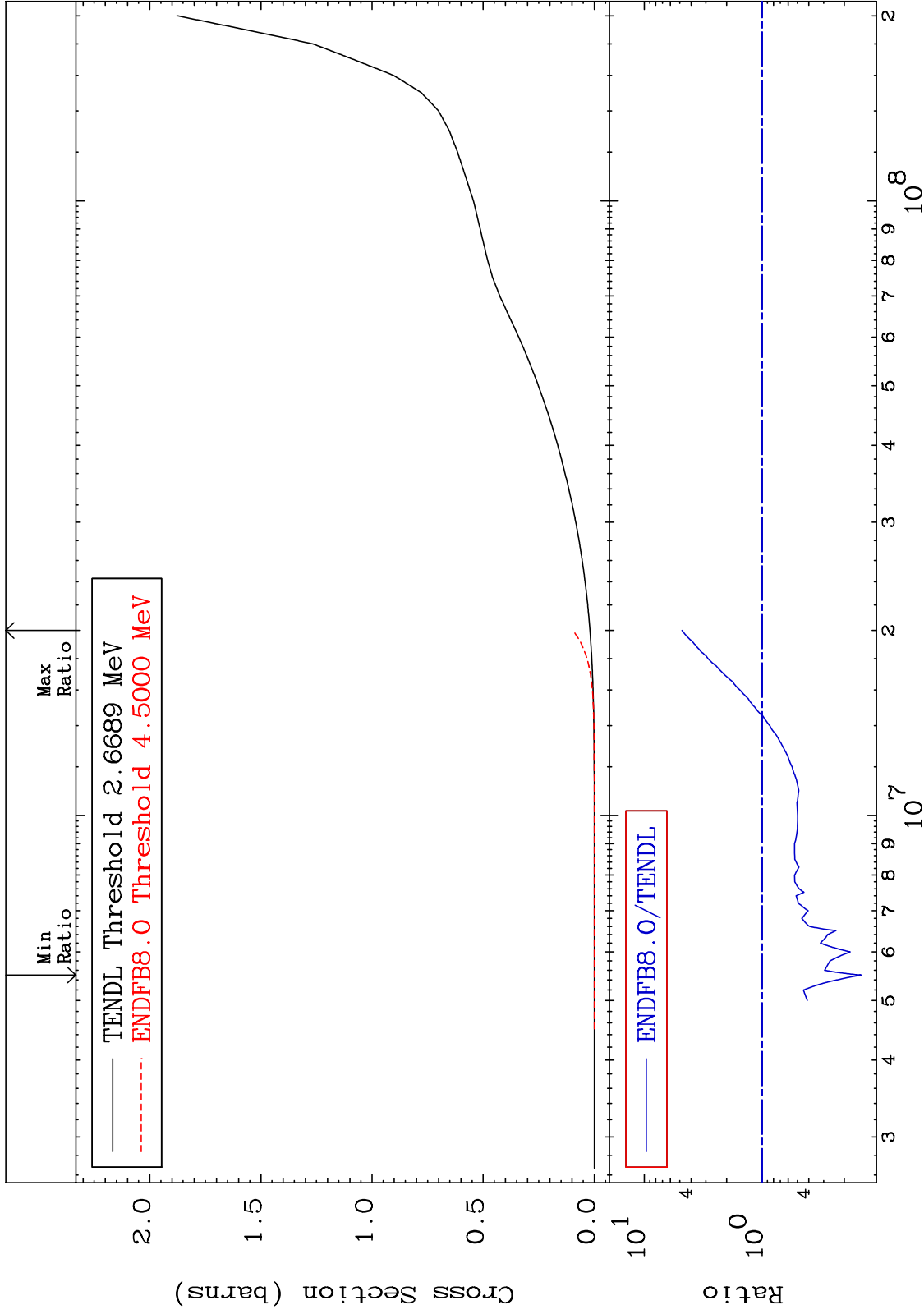
40

64-Gd-158

MAT 6443

Hydrogen Production  
Cross Section

64-Gd-158  
-85.61 To 377.9 %



41

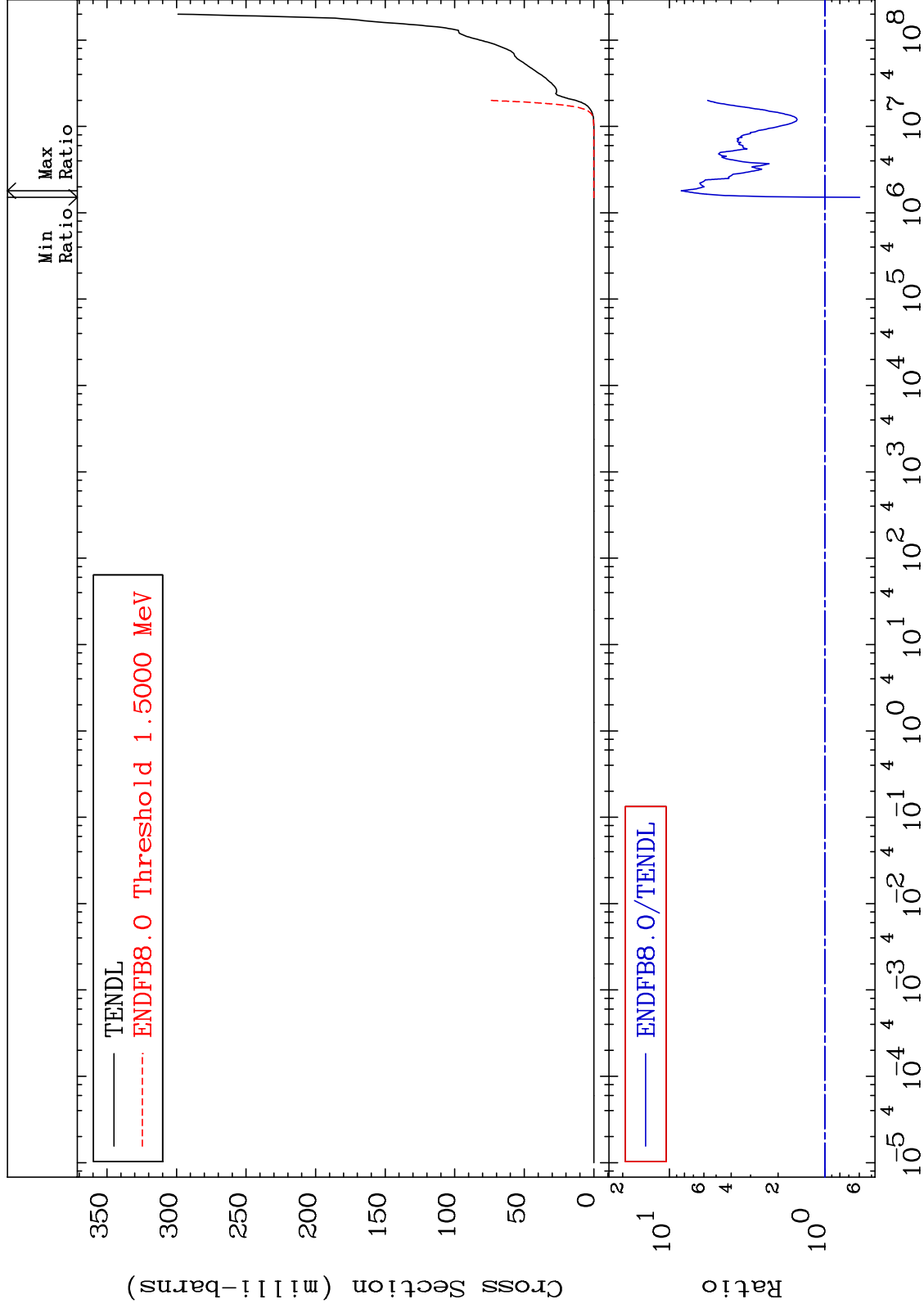
Incident Energy (eV)

64-Gd-158

MAT 6443

He-4 Production  
Cross Section

64-Gd-158  
-40.51 To 739.4 %

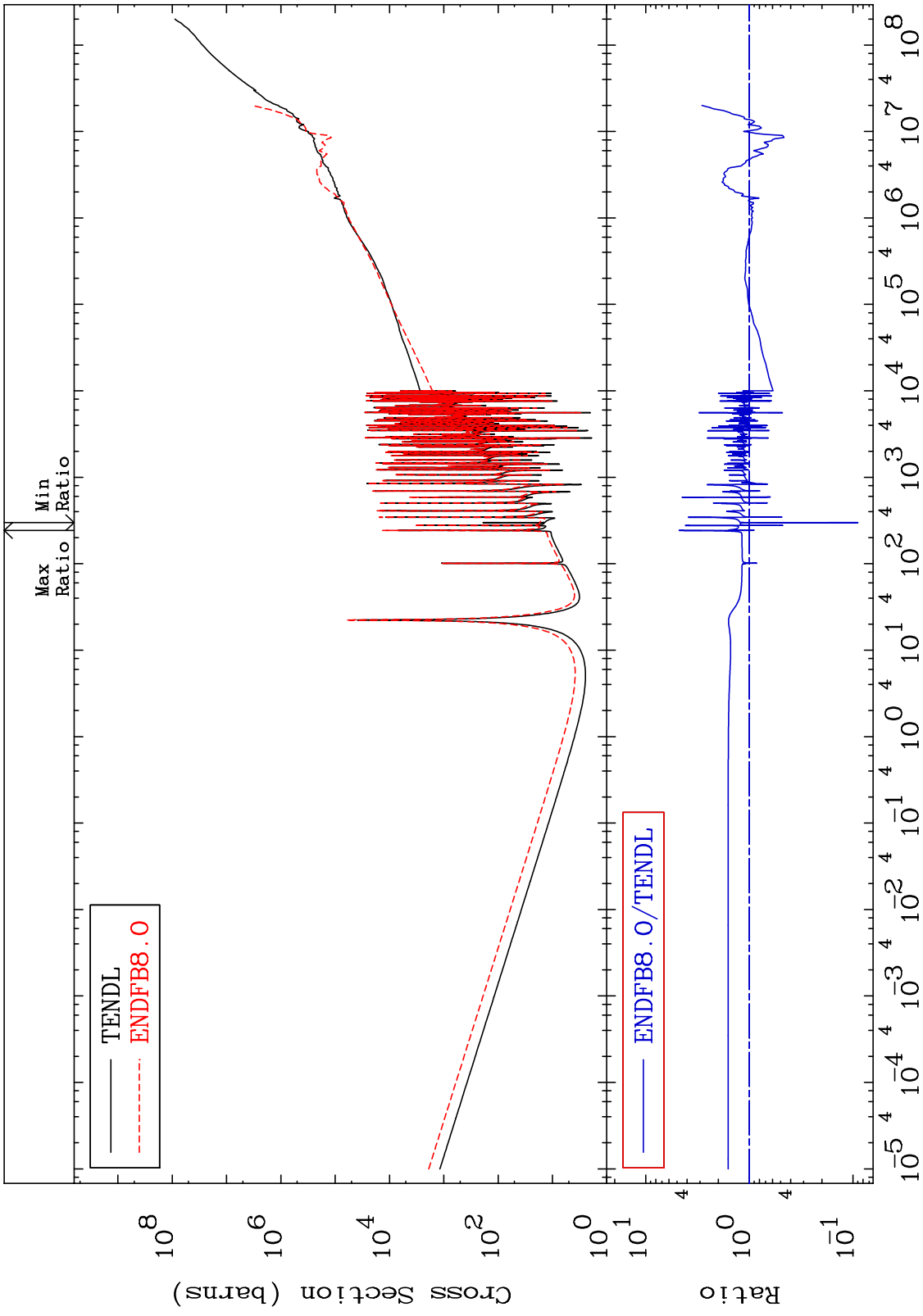


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Incident Energy (eV)

64-Gd-158

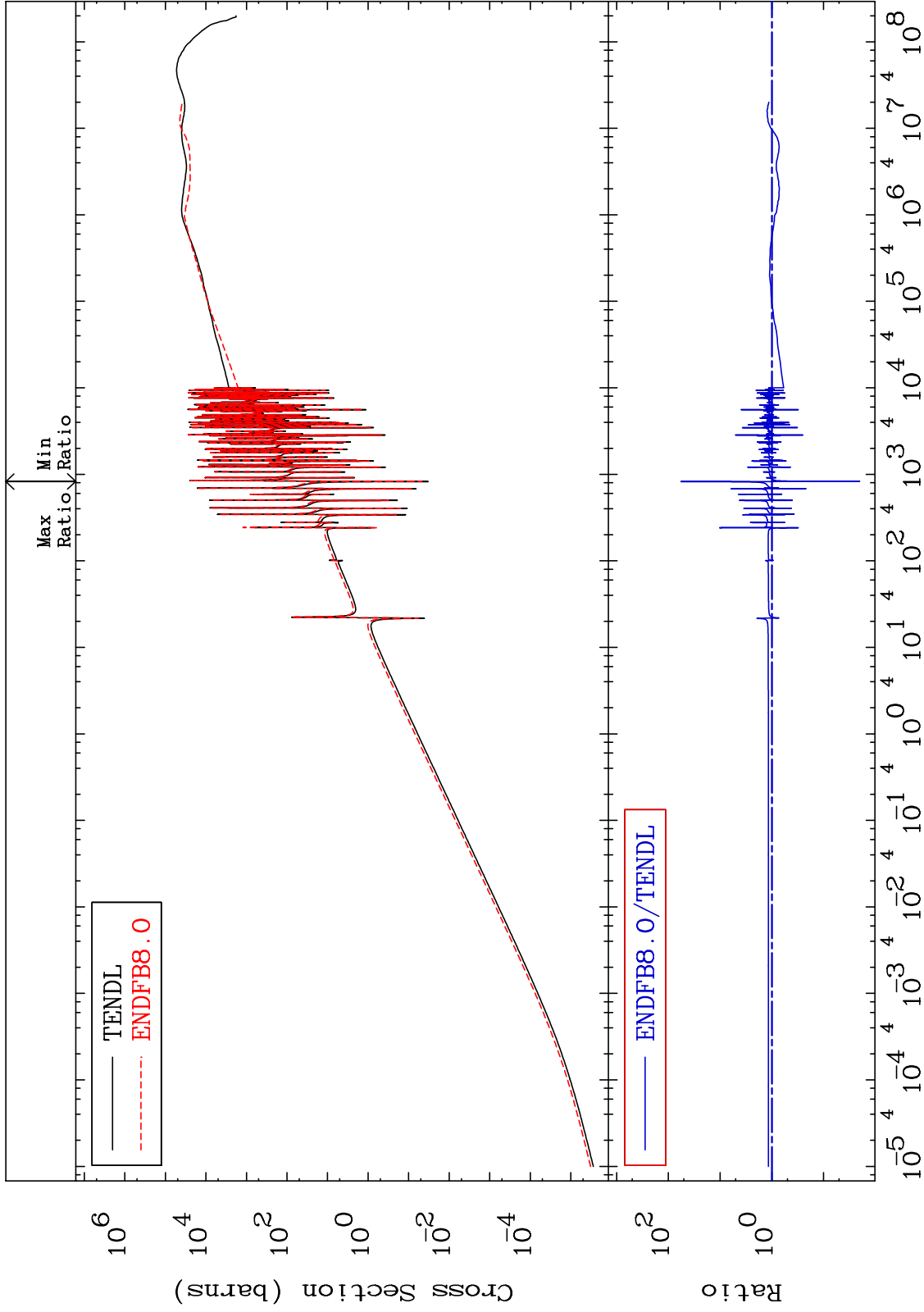
MAT 6443      Kerma total (eV-barns)      64-Gd-158  
 Cross Section      -91.01 To 378.1 %



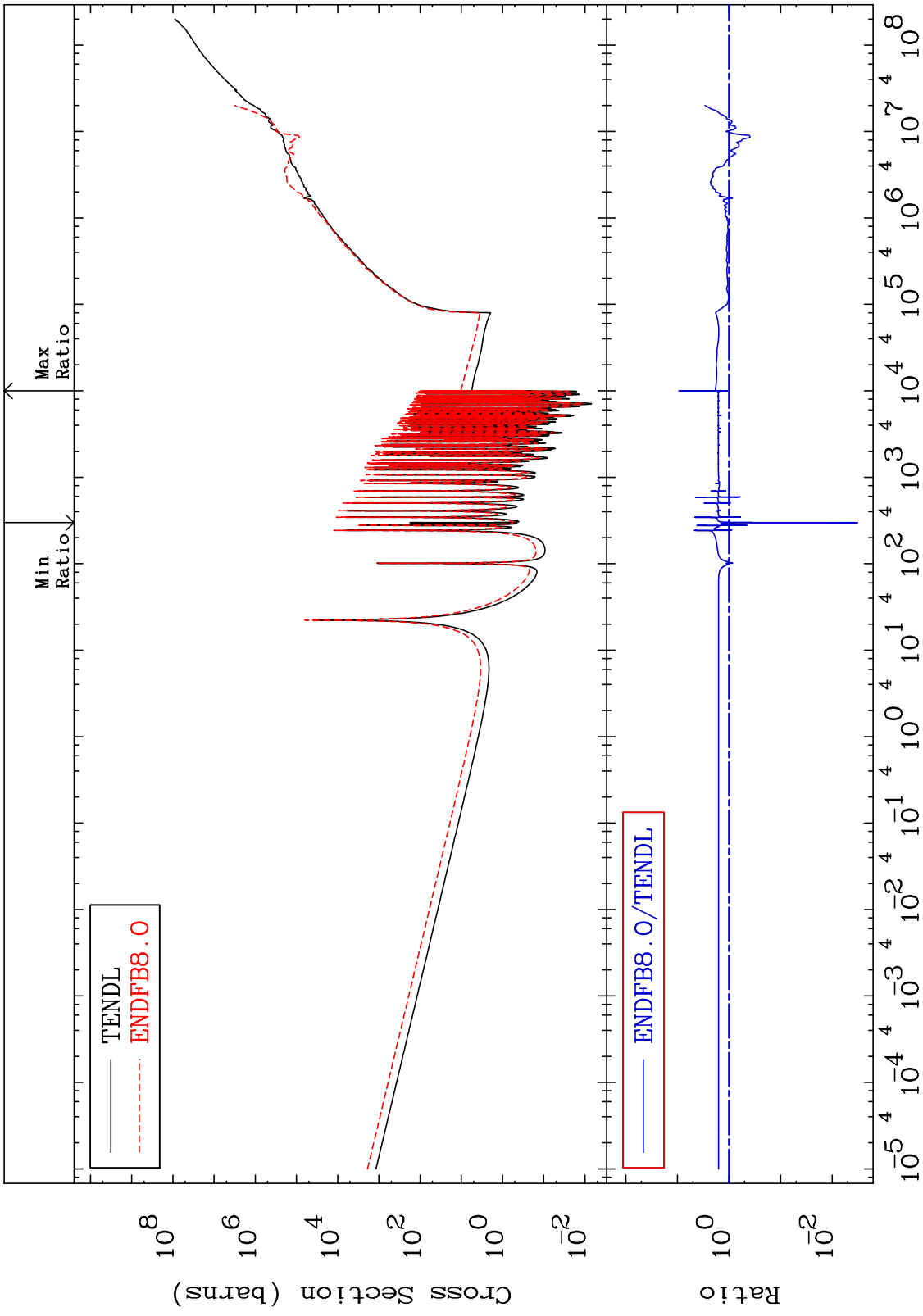
MAT 6443

Kerma elastic  
Cross Section

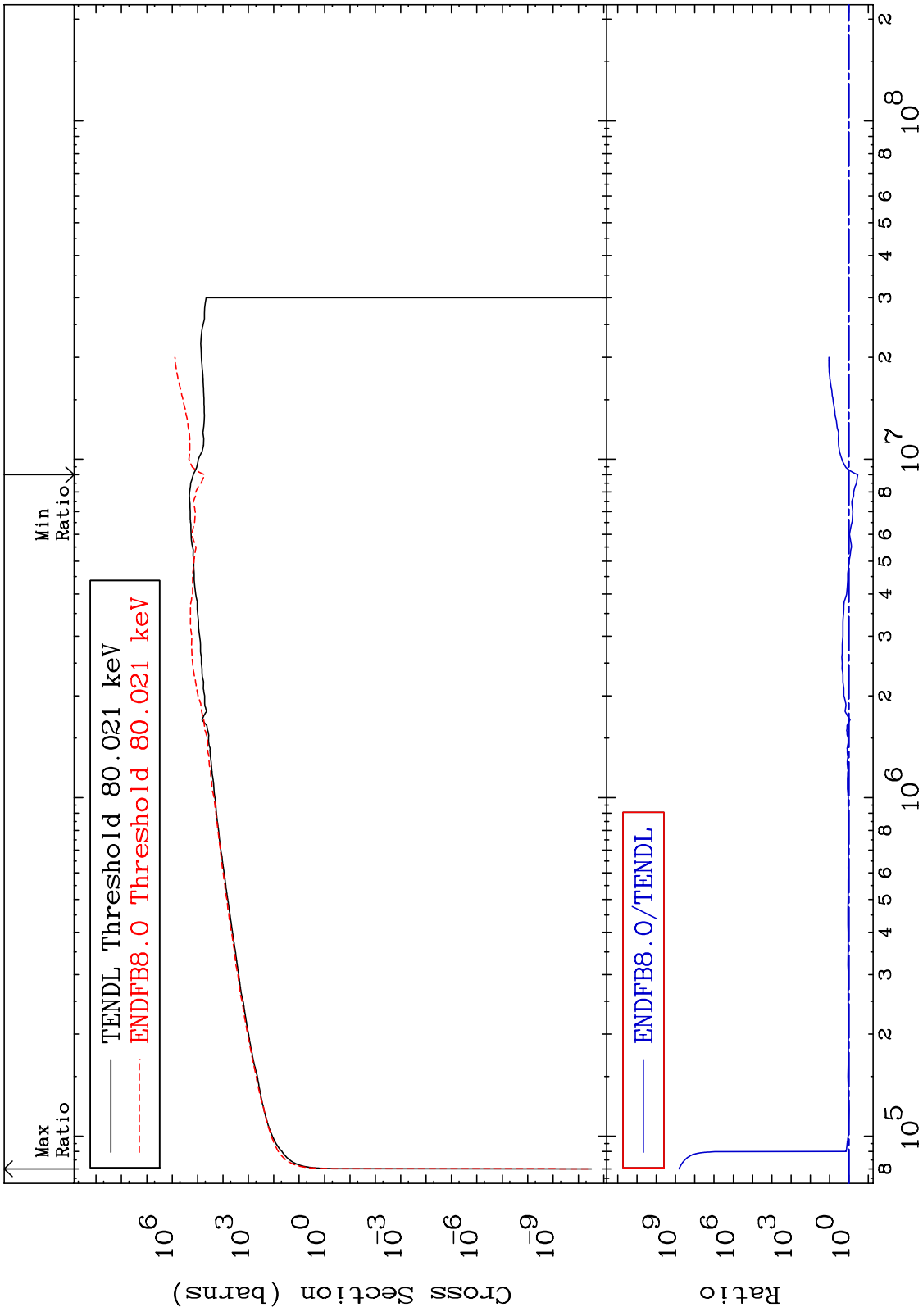
64-Gd-158  
-97.99 To 5639. %



MAT 6443      Kerma non-elastic (all but mt2)      64-Gd-158  
 Cross Section      -99.68 To 832.4 %



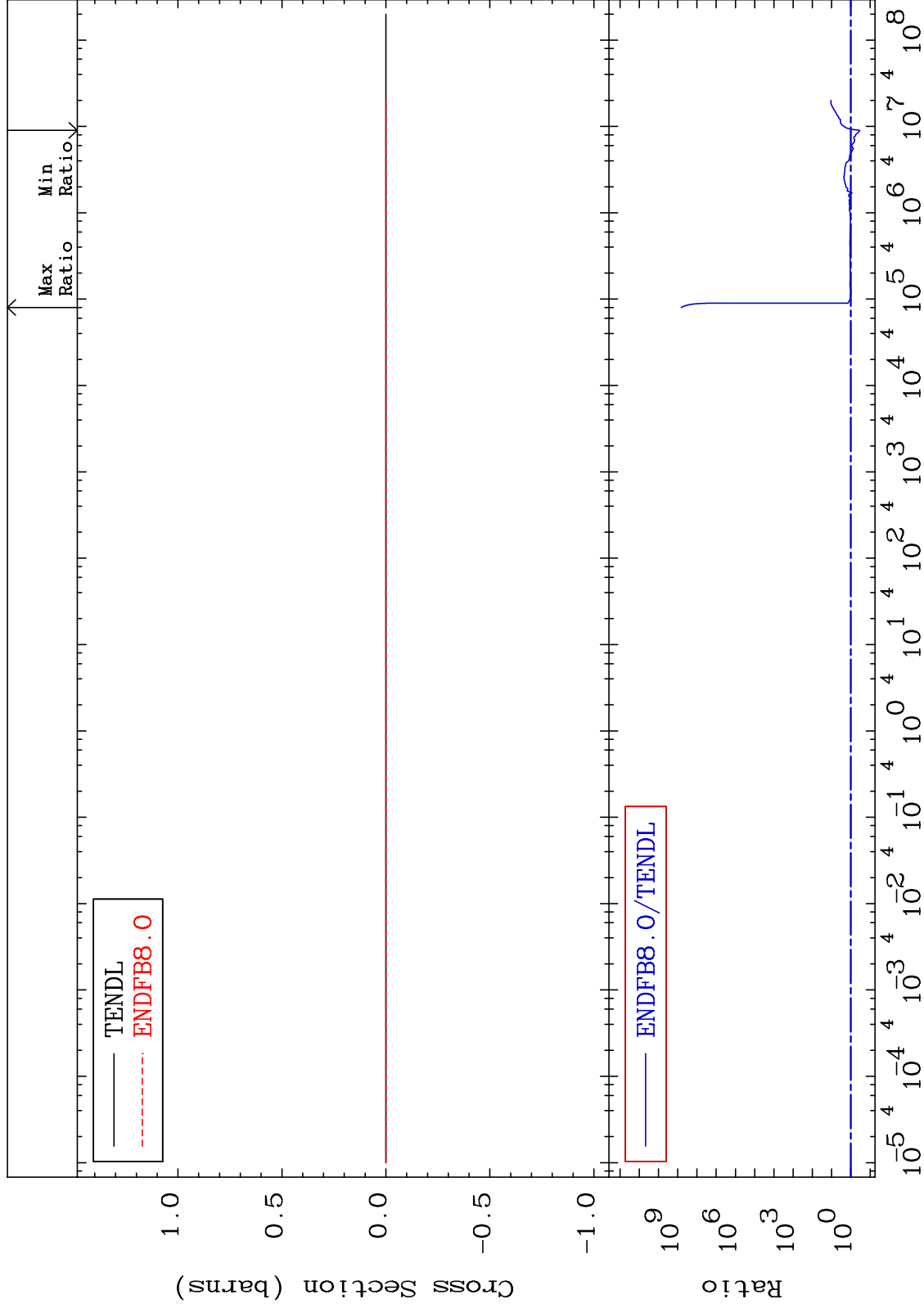
MAT 6443      Kerma inelastic (mt51-91)      64-Gd-158  
 Cross Section      -65.51 To 9999. %



MAT 6443

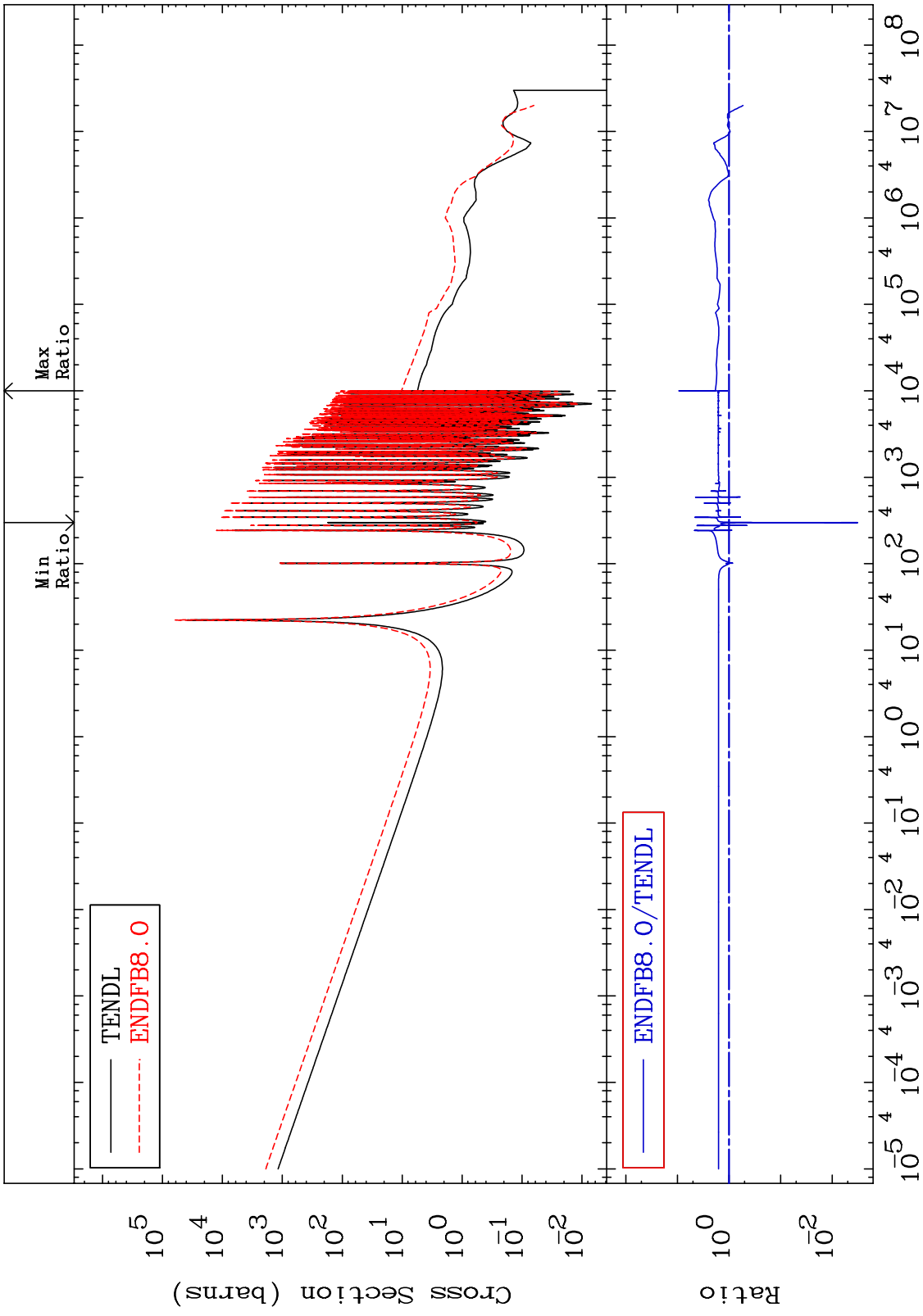
Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

64-Gd-158  
-65.51 To 9999. %





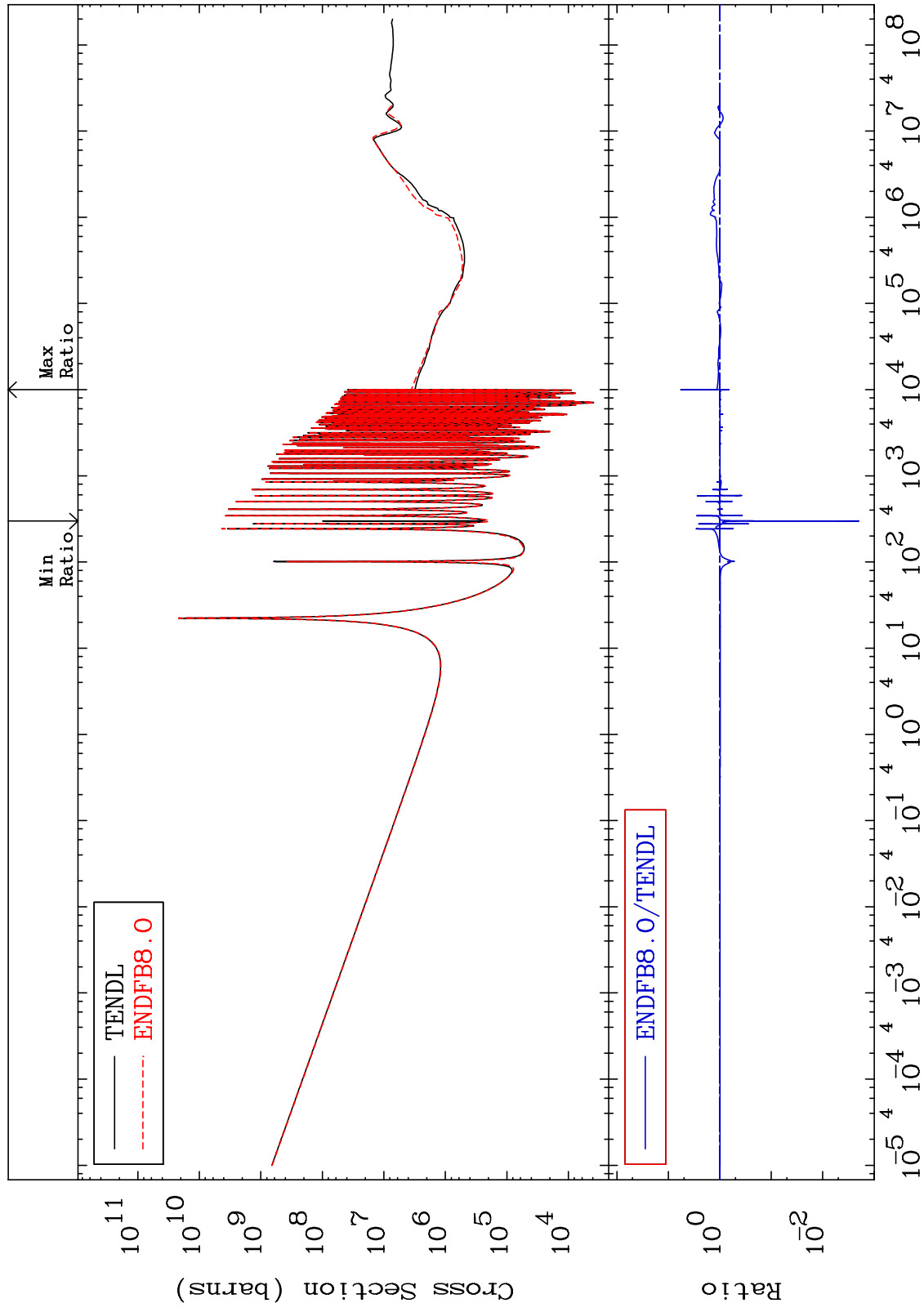
MAT 6443      Kerma capture (mt102)      64-Gd-158  
 Cross Section      -99.68 To 832.4 %



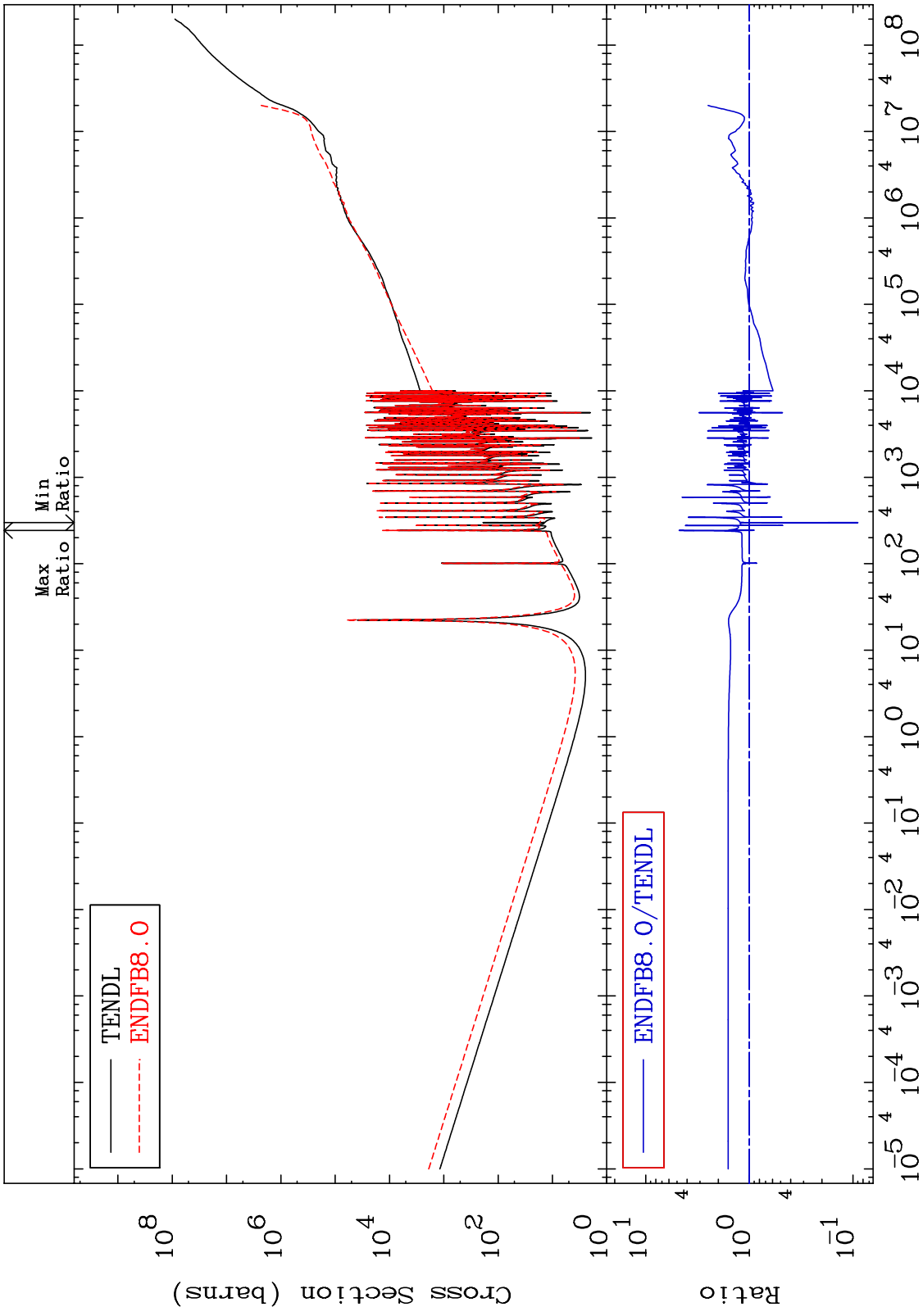
MAT 6443

Total photon (eV-barns)  
Cross Section

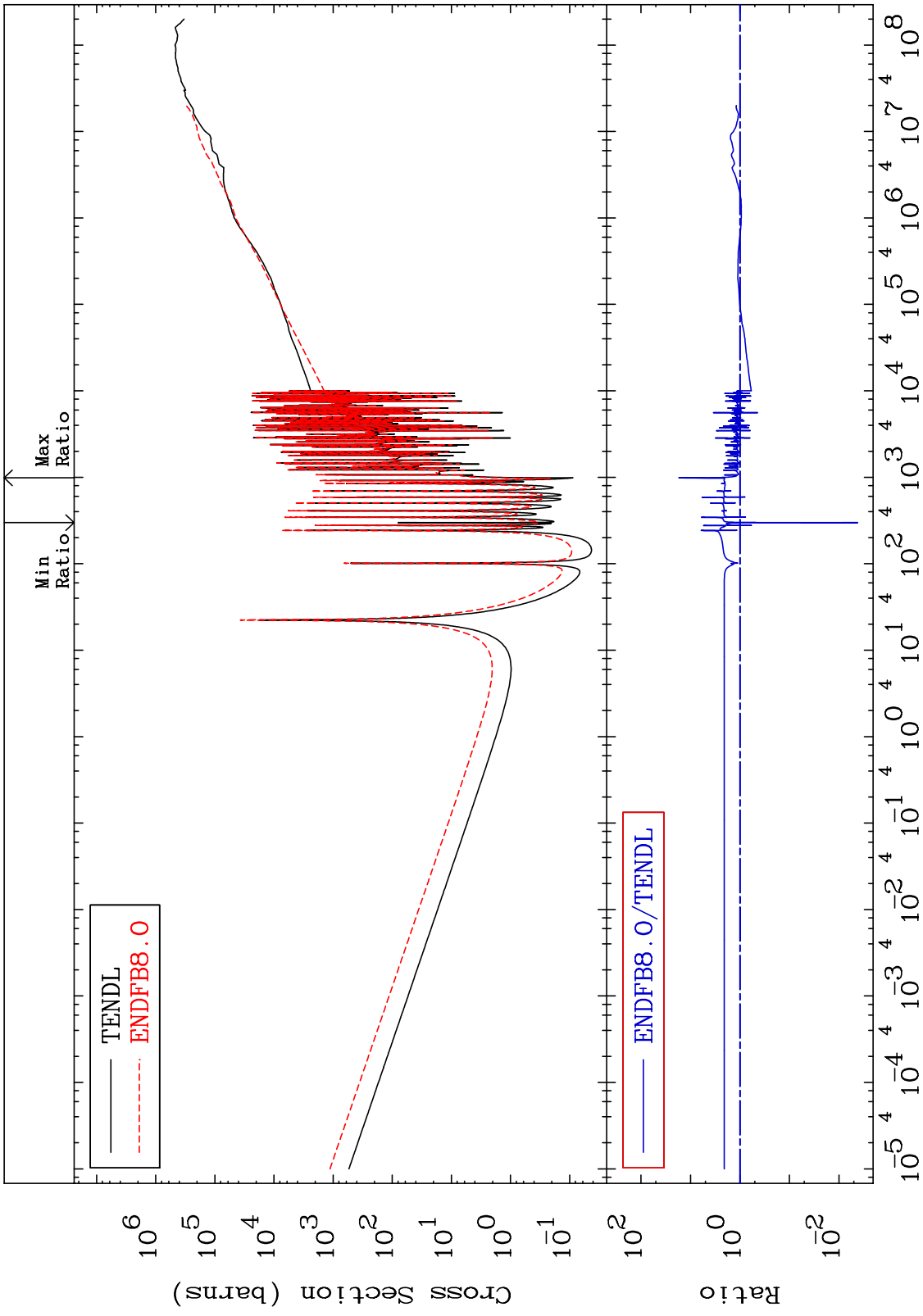
64-Gd-158  
-99.80 To 474.2 %



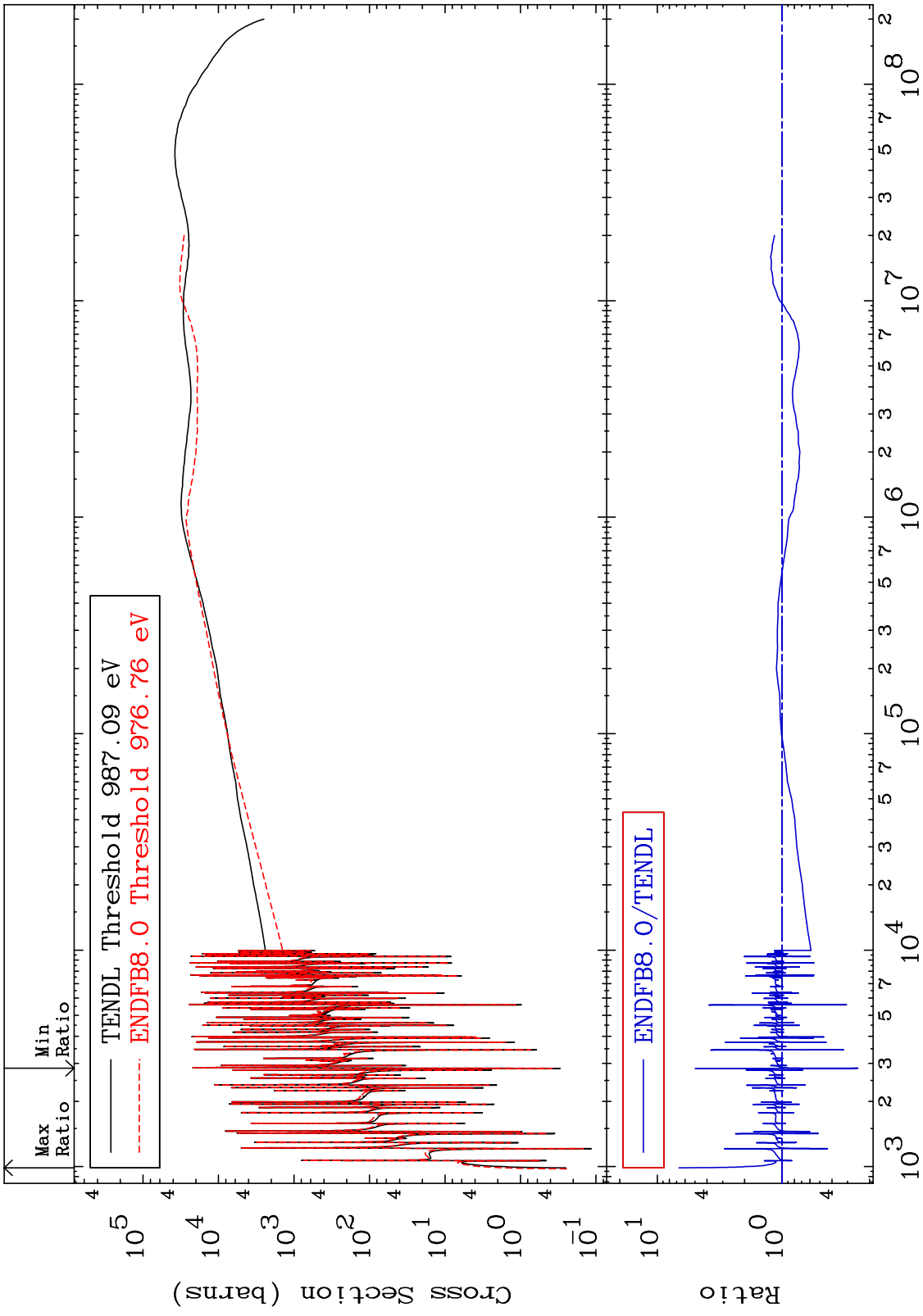
MAT 6443      Total kinematic kerma (high limit)      64-Gd-158  
 Cross Section      -91.01 To 378.1 %



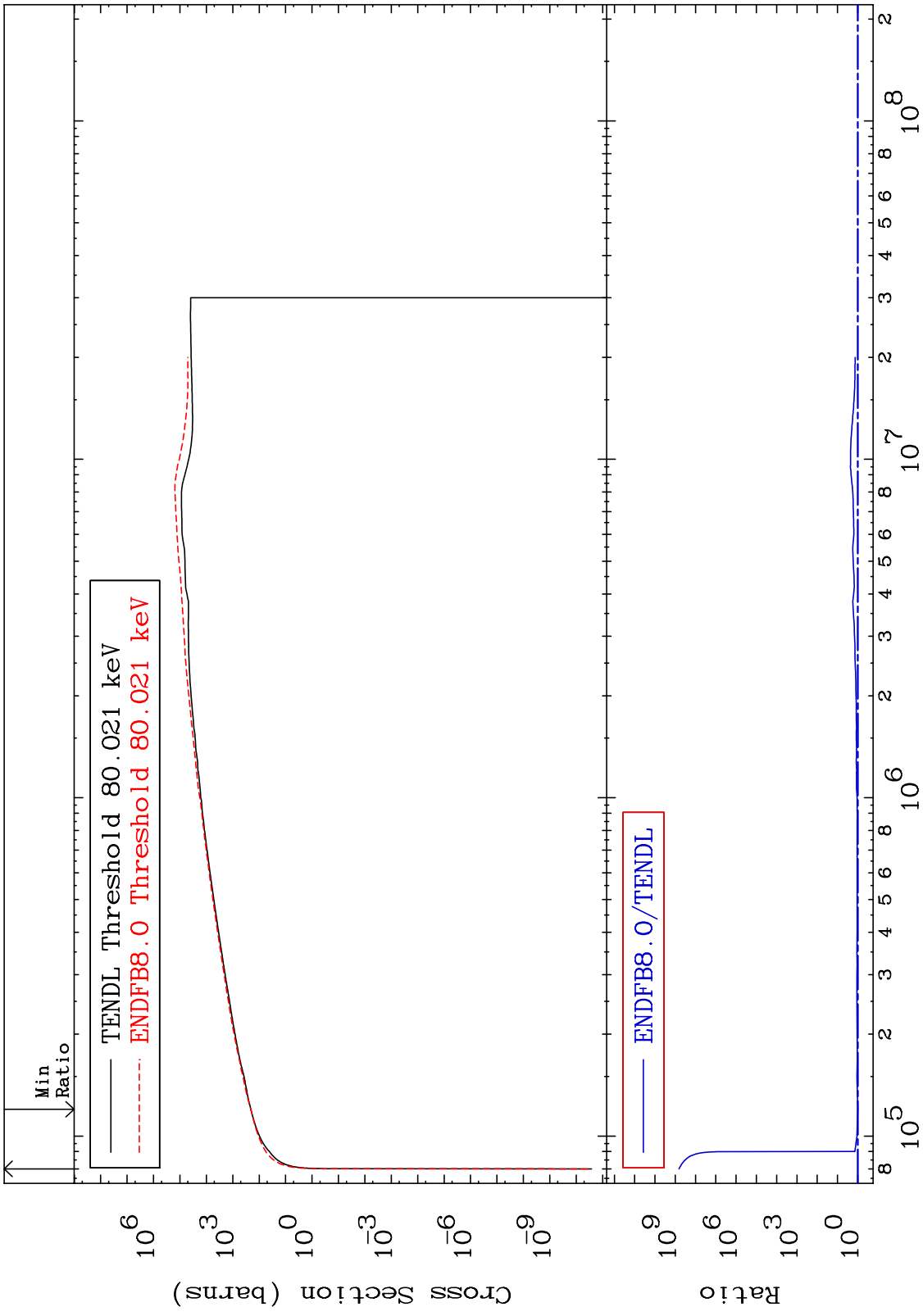
MAT 6443      Dpa total (eV-barns)      64-Gd-158  
 Cross Section      -99.59 To 1604. %



MAT 6443      Dpa elastic (mt2)      64-Gd-158  
 Cross Section      -75.19 To 569.9 %



MAT 6443      Dpa inelastic (mt51-91)      64-Gd-158  
 Cross Section      -0.666 To 9999. %



MAT 6443      Dpa disappearance (mt102 -120)      64-Gd-158  
 Cross Section      -99.59 To 1107. %

