

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

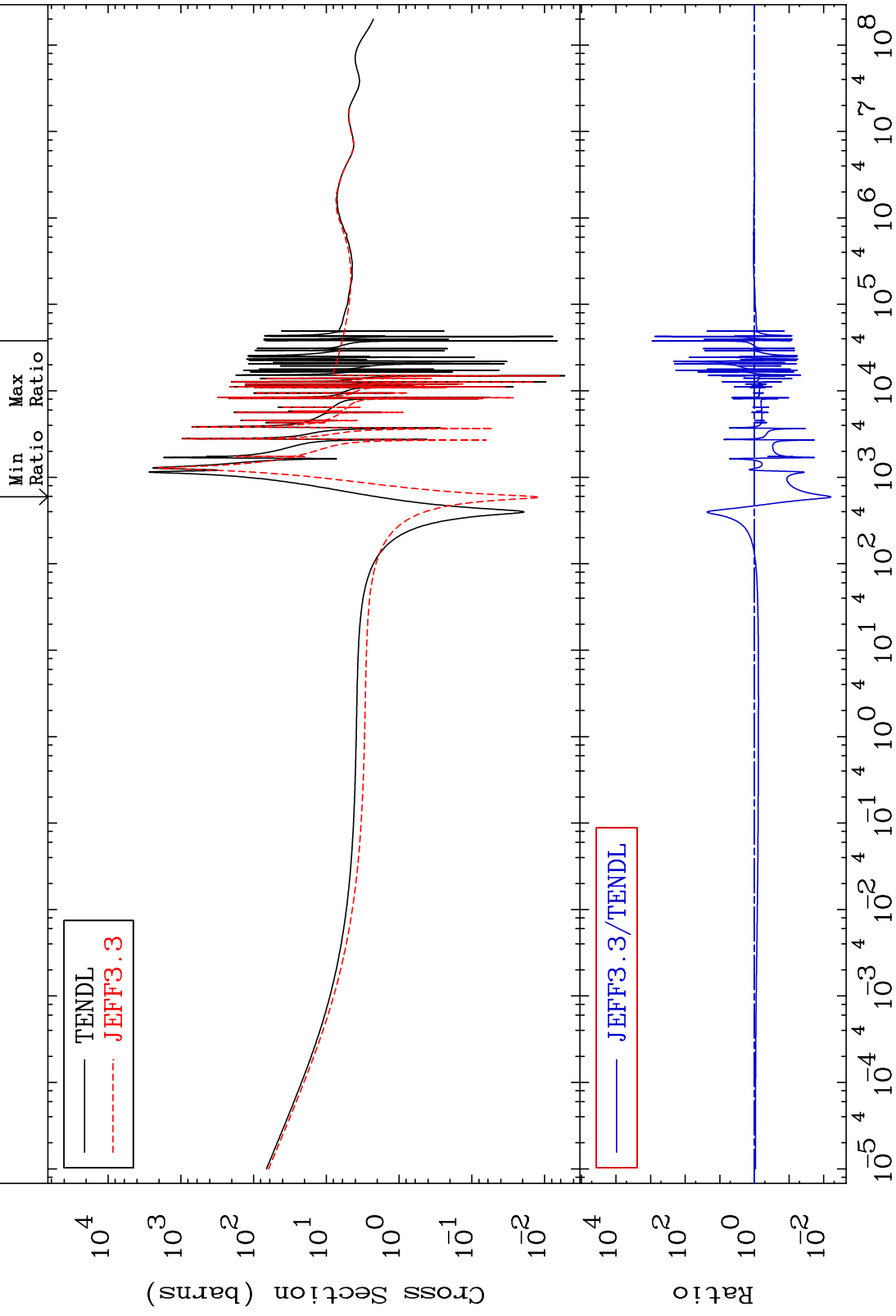
MAT 5843

Total

58-Ce-142

-99.38 To 9999. %

Cross Section



Incident Energy (eV)

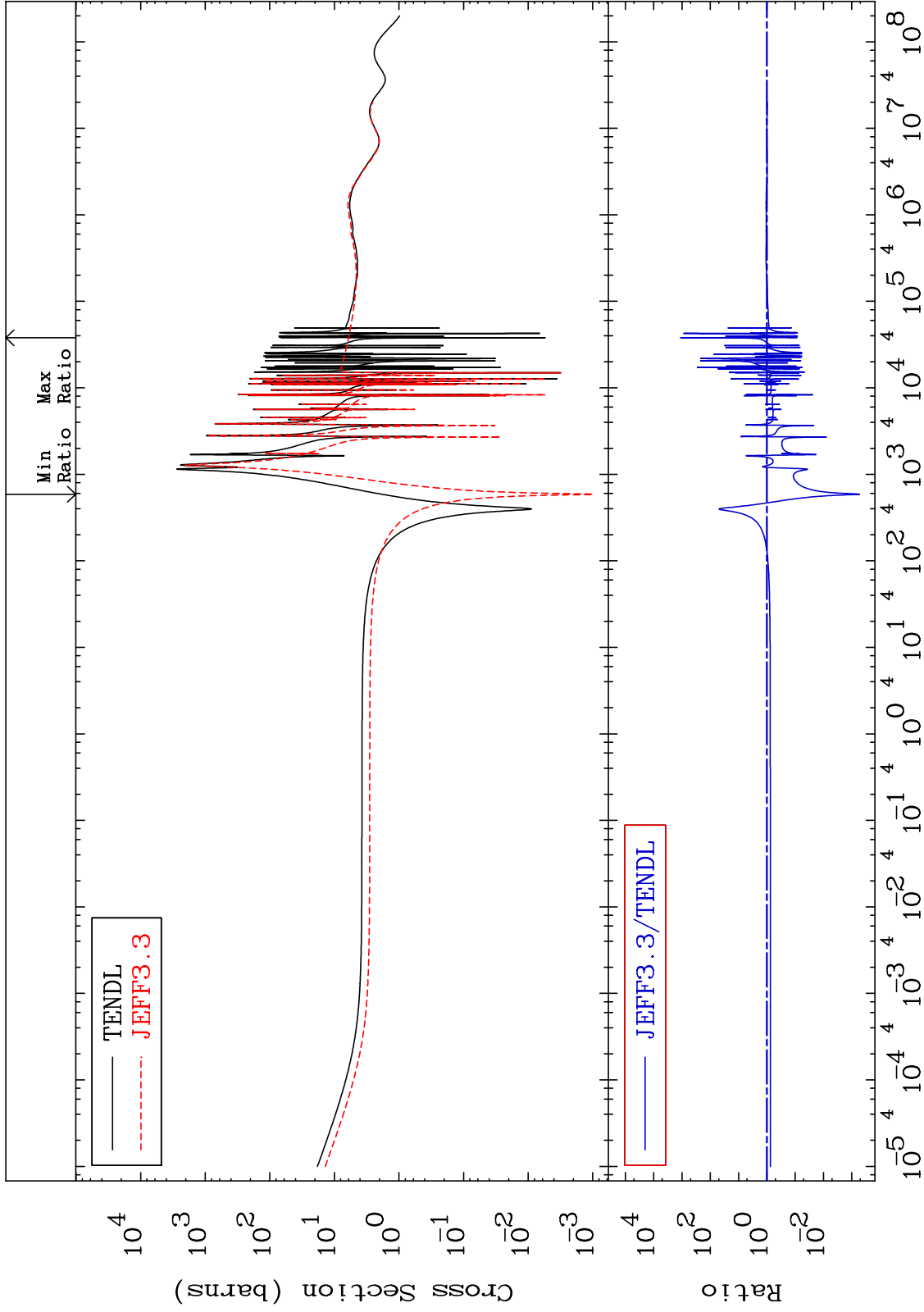
58-Ce-142

1

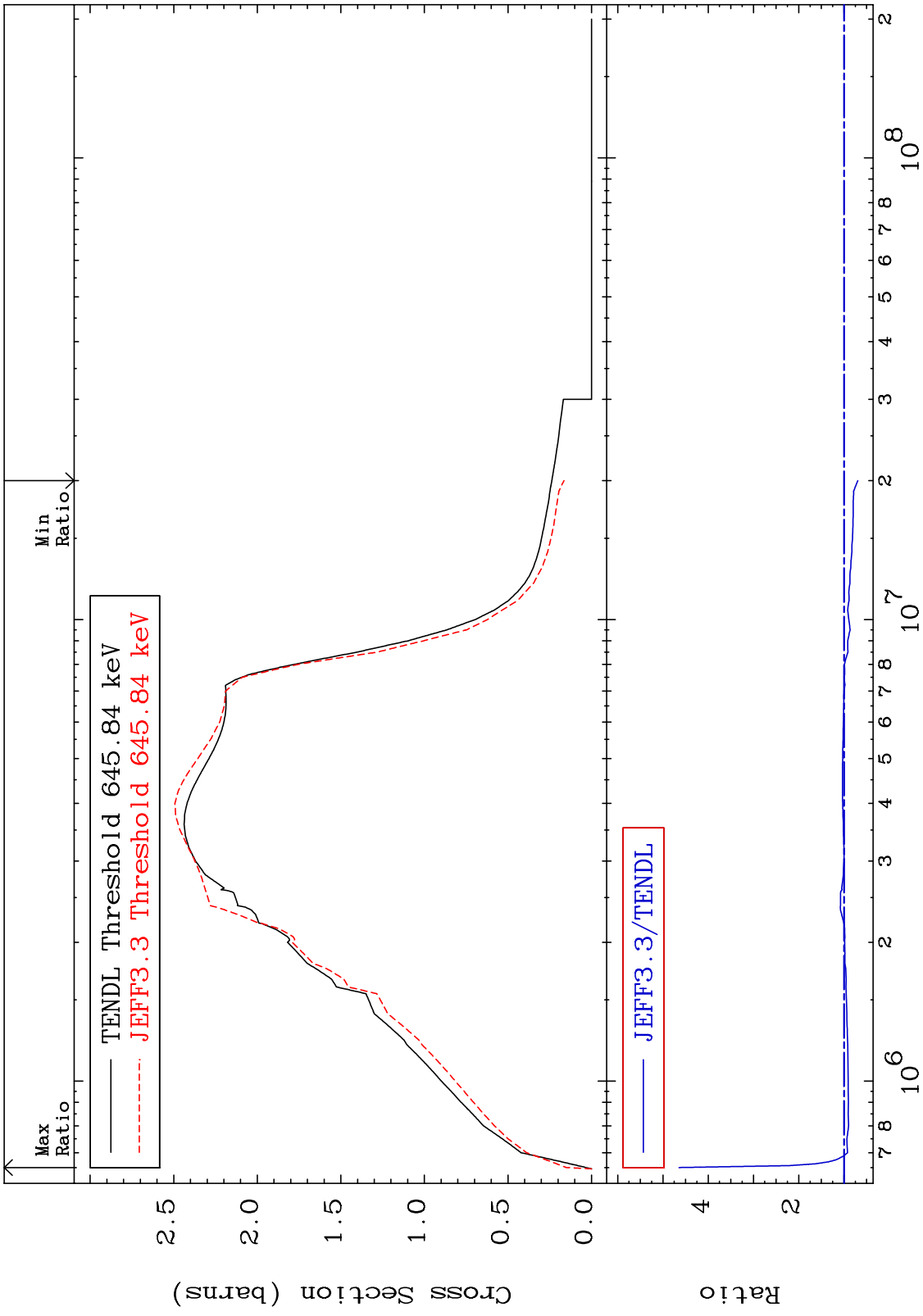
MAT 5843

Elastic  
Cross Section

58-Ce-142  
-99.95 To 9999. %

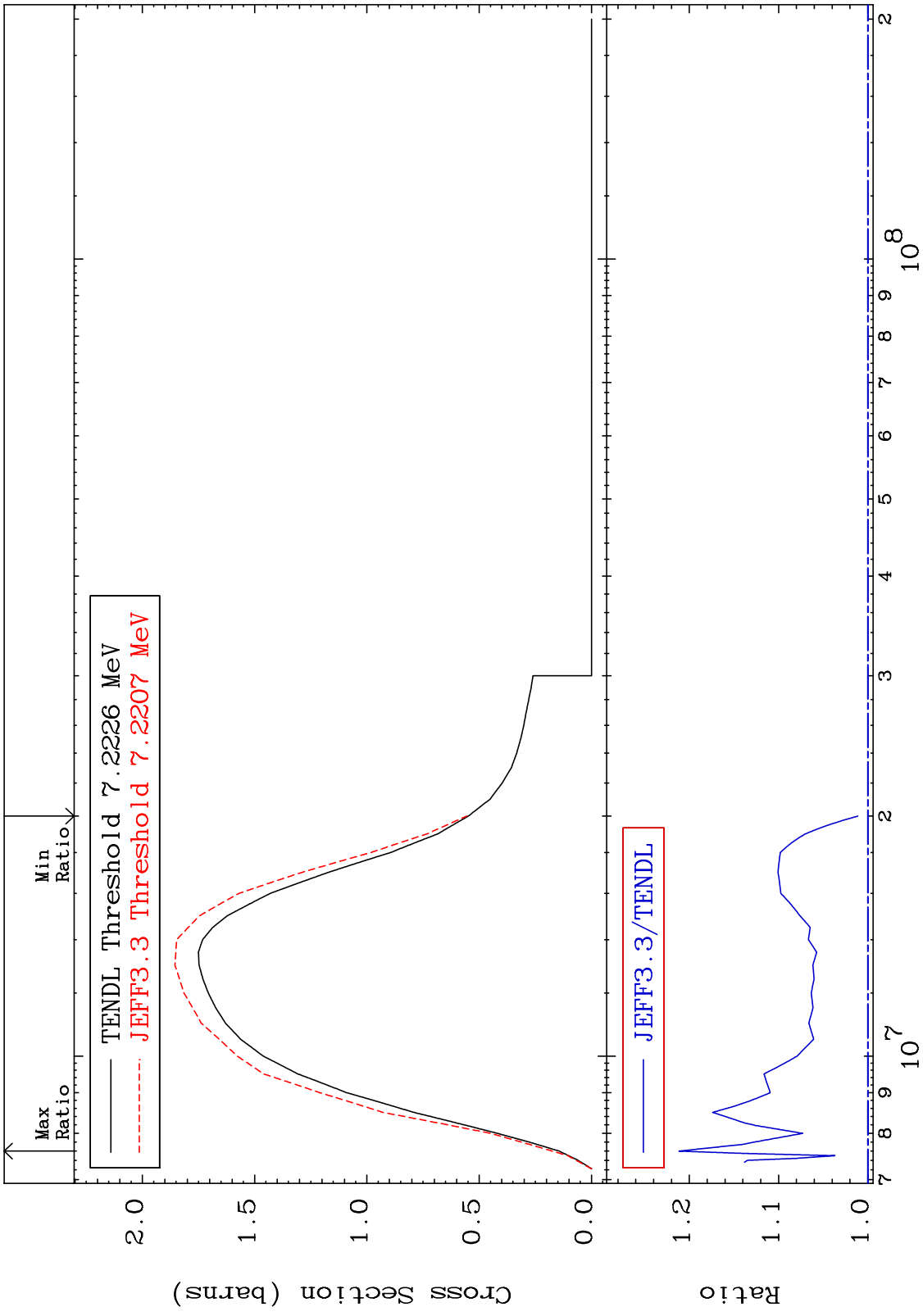


MAT 5843 Inelastic Cross Section 58-Ce-142 -30.61 To 364.4 %



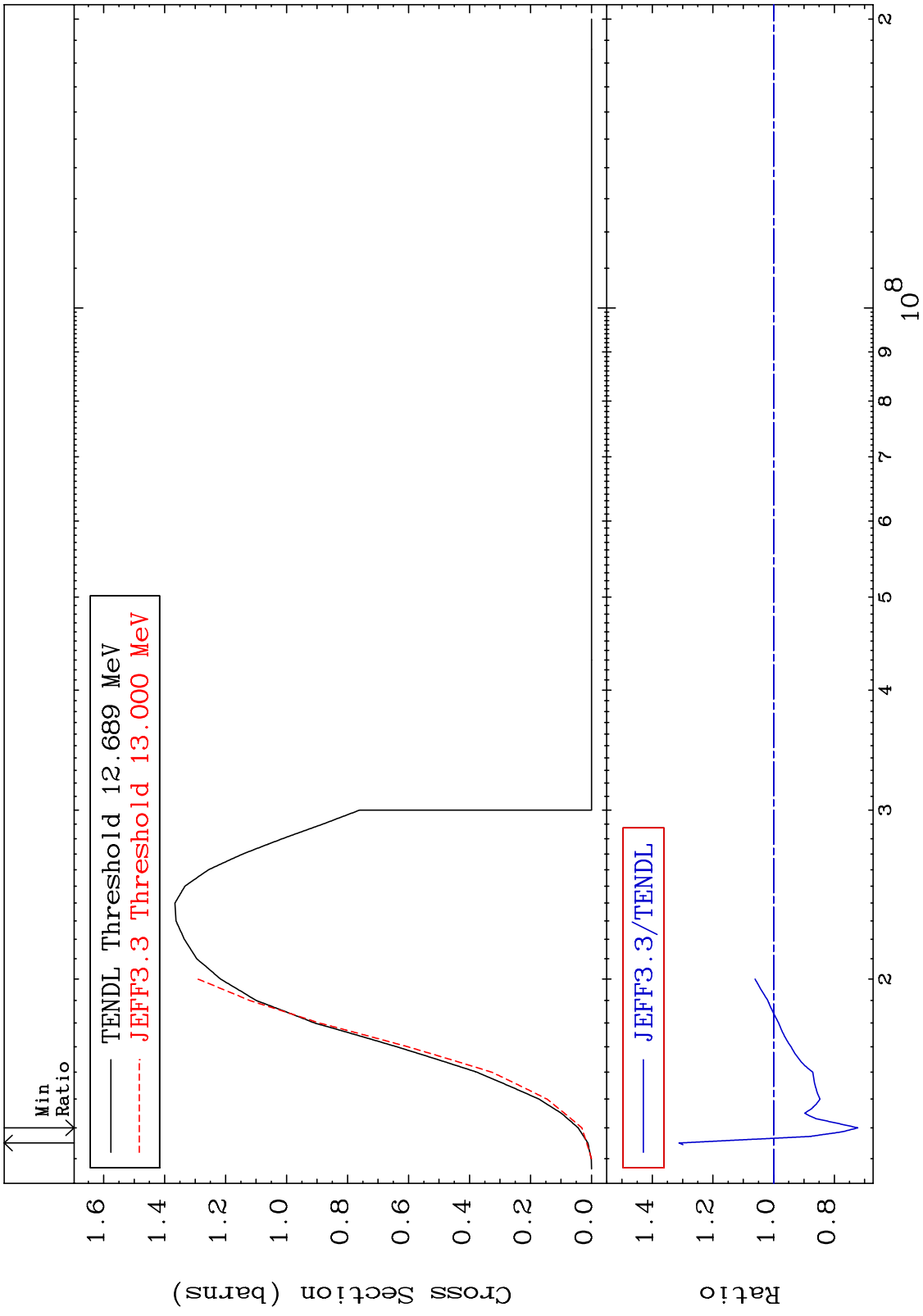
58-Ce-142

MAT 5843 (n,2n) Cross Section 58-Ce-142 1.121 To 21.15 %



4 Incident Energy (eV) 58-Ce-142

MAT 5843 (n,3n) Cross Section 58-Ce-142 -27.76 To 31.18 %



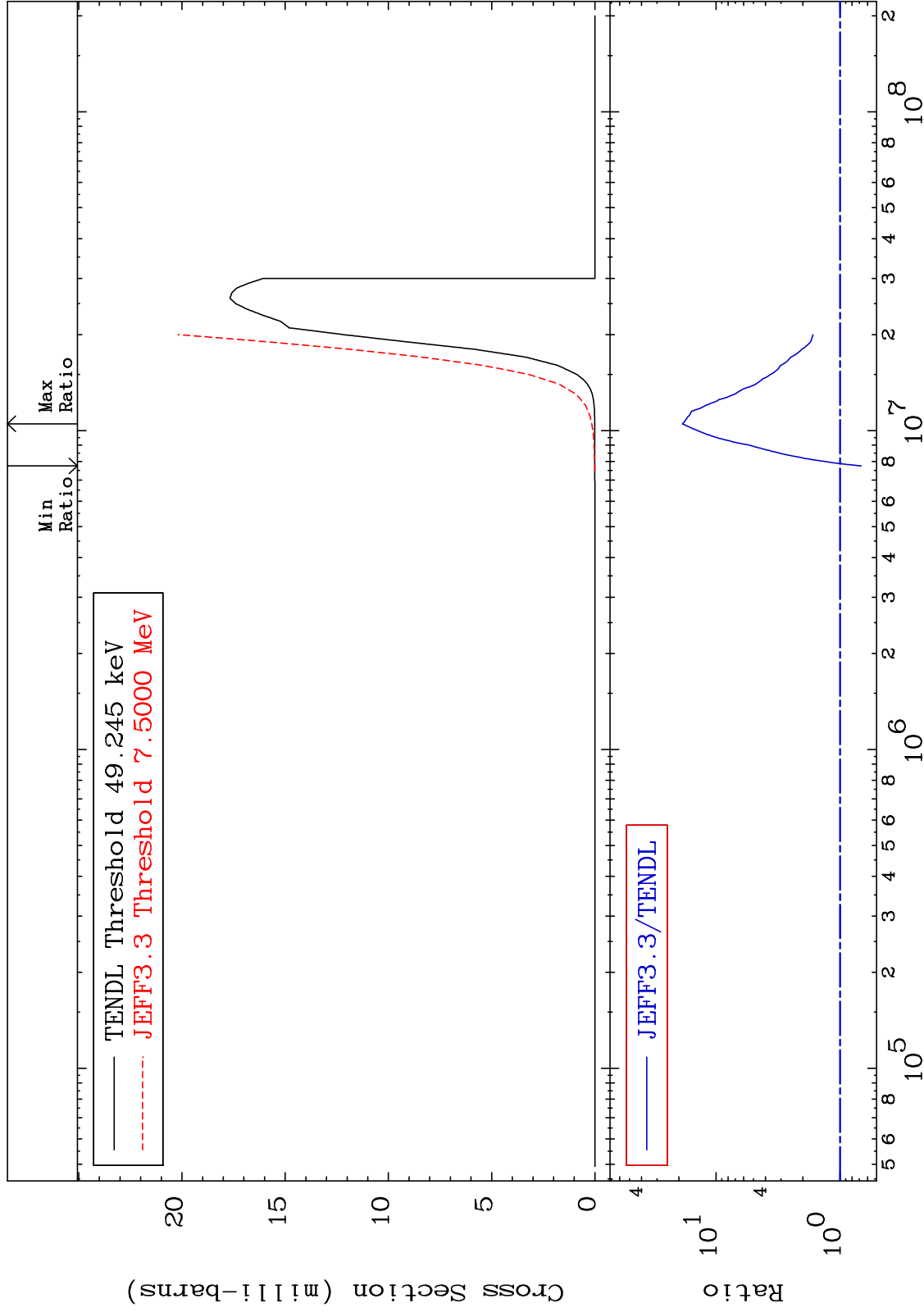
MAT 5843

(n, n')  $\alpha$

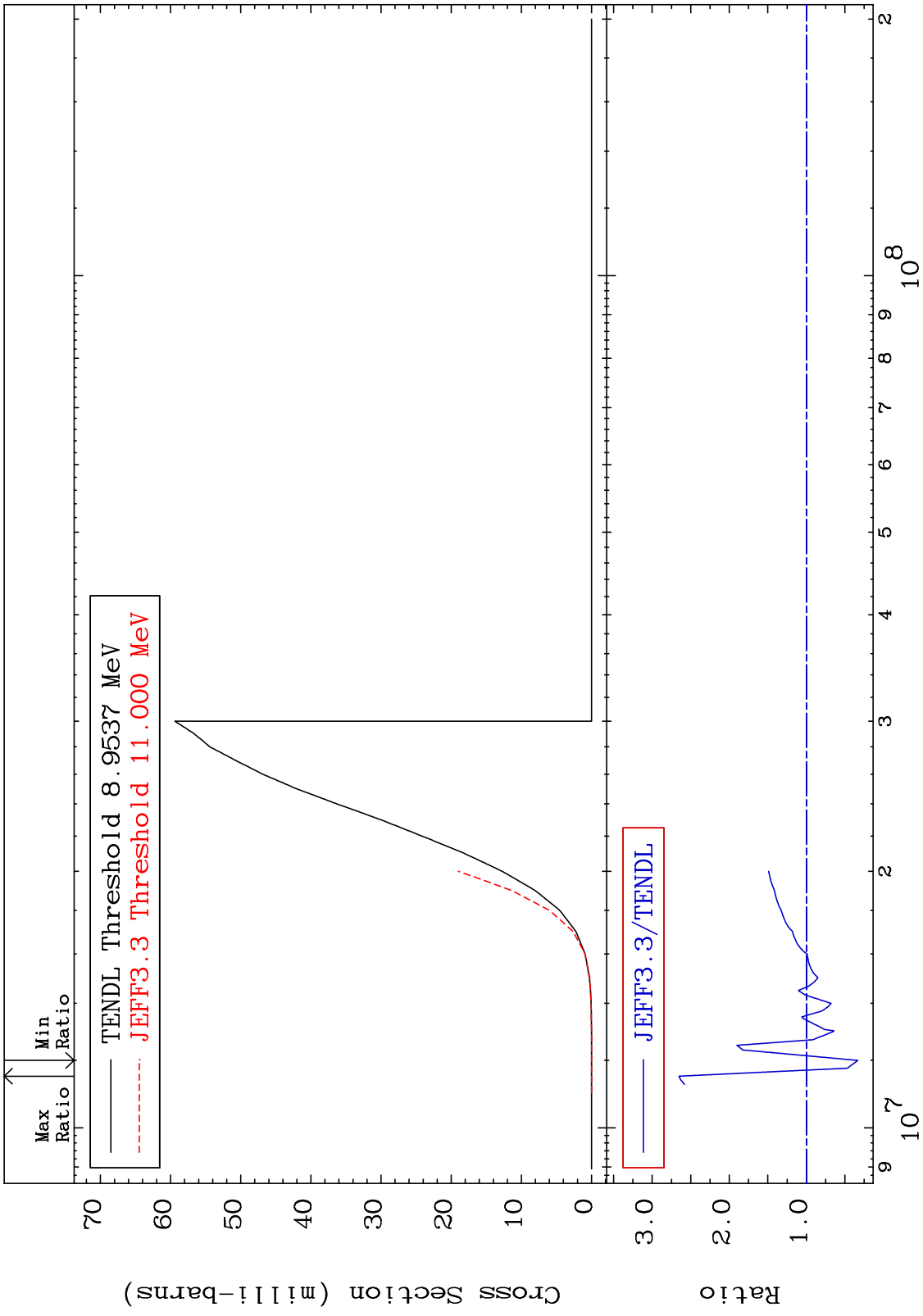
58-Ce-142

-32.53 To 1770. %

Cross Section



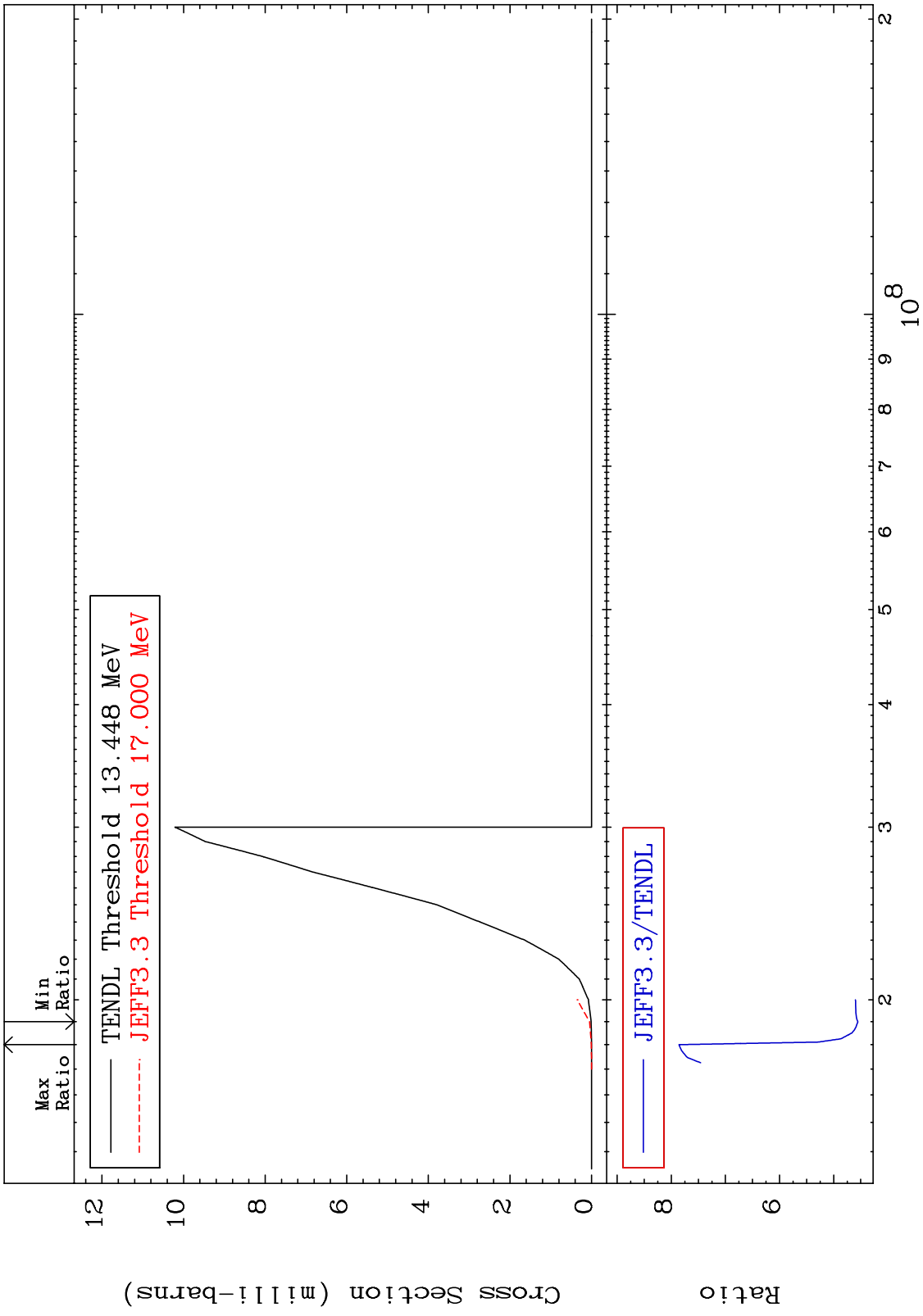
MAT 5843 (n,n') p 58-Ce-142  
Cross Section -66.73 To 165.2 %



58-Ce-142

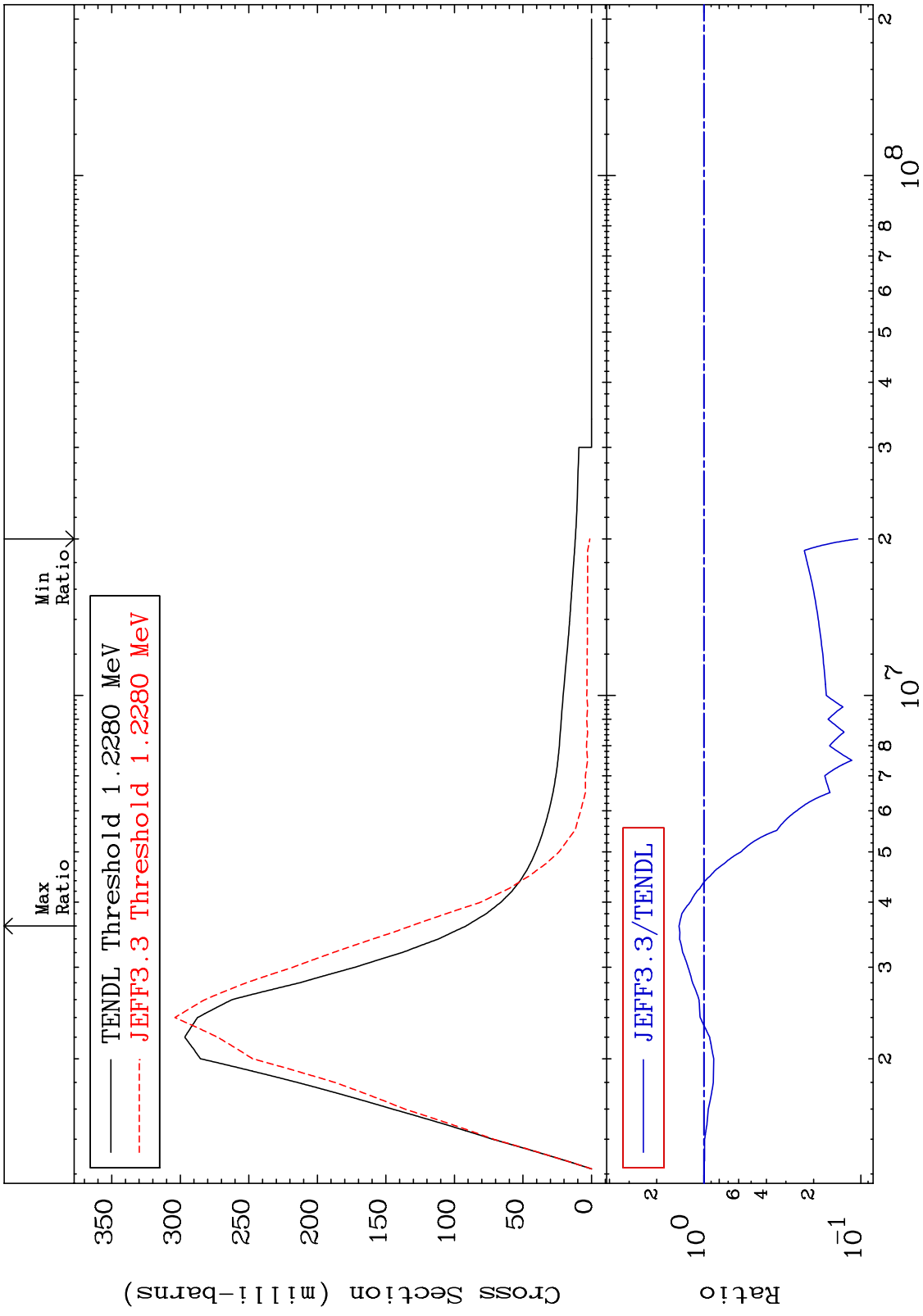


MAT 5843 (n, n') d 58-Ce-142  
 Cross Section 355.3 To 685.7 %



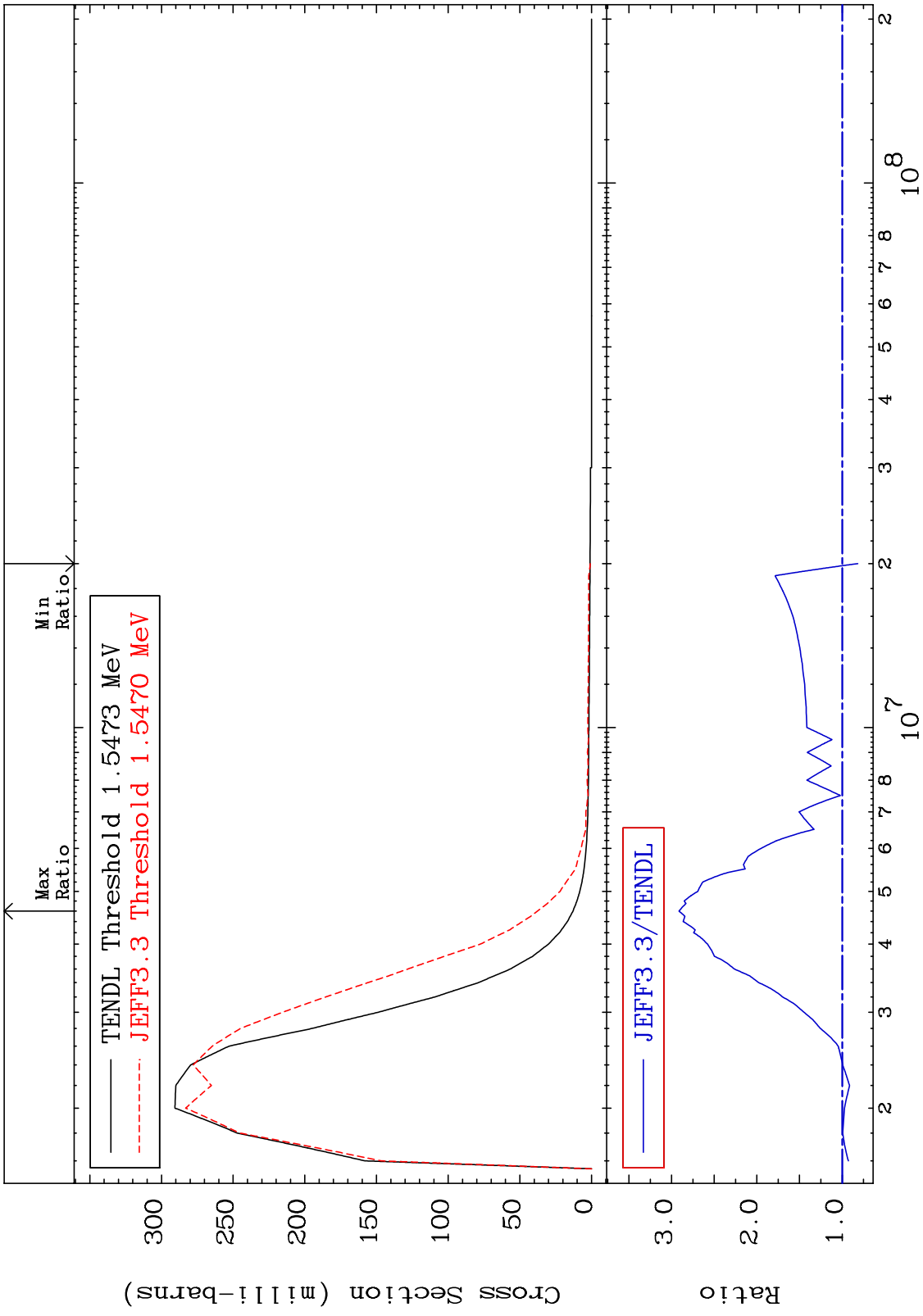


MAT 5843 MT= 52 (n,n') Level Cross Section 58-Ce-142 -89.56 To 44.09 %

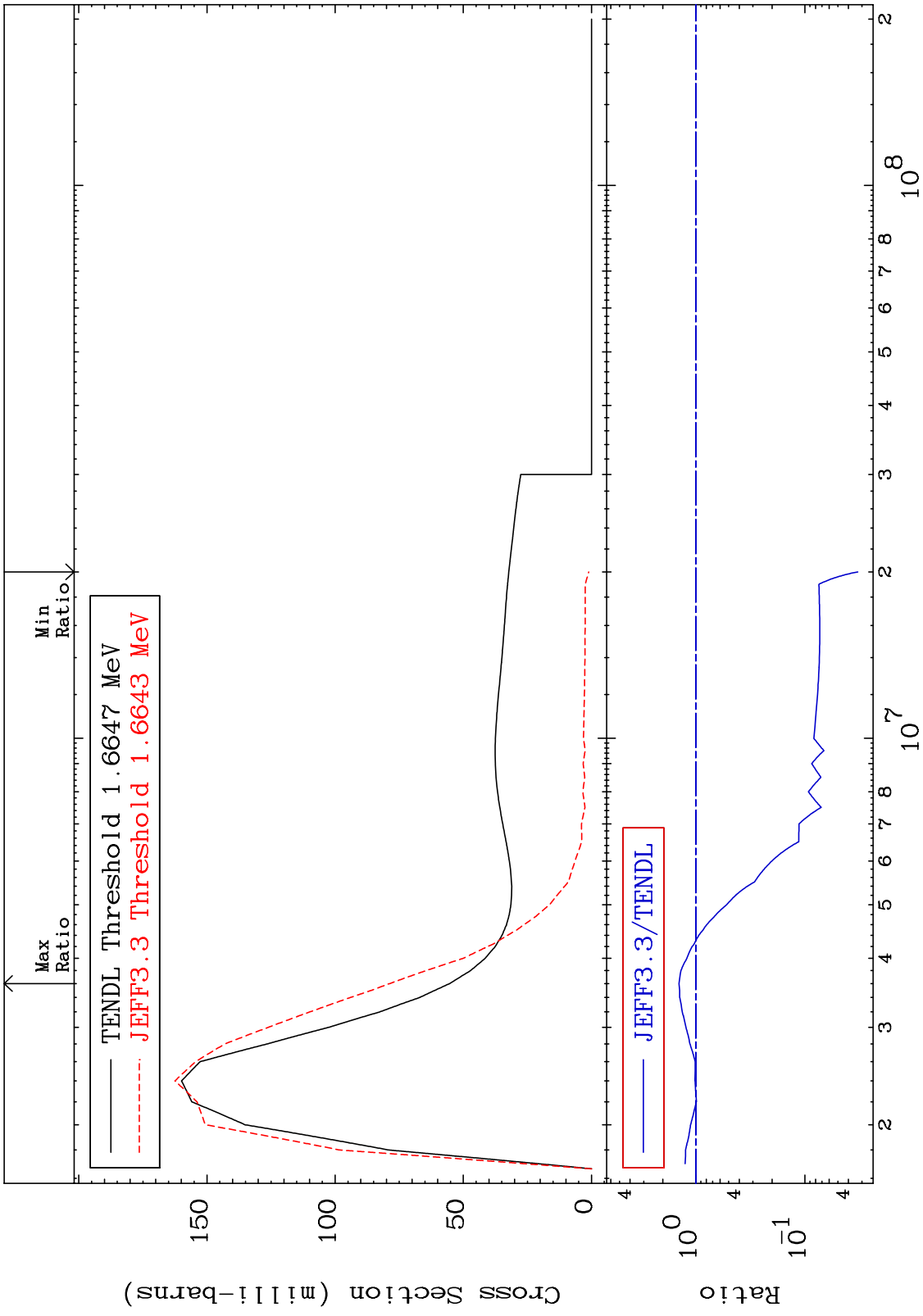


10 Incident Energy (eV) 58-Ce-142

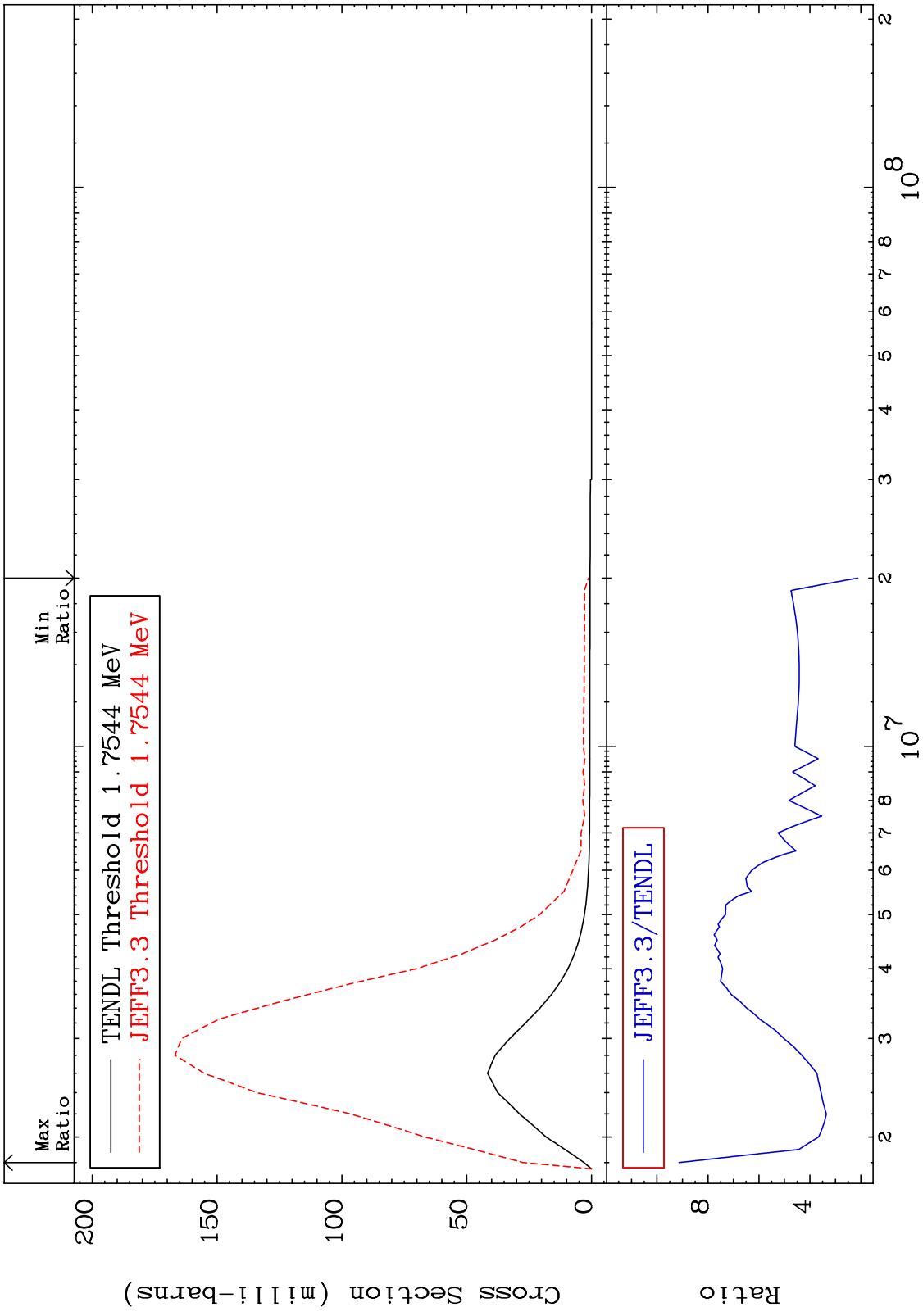
MAT 5843 MT= 53 (n, n') Level Cross Section 58-Ce-142 -18.36 To 191.3 %



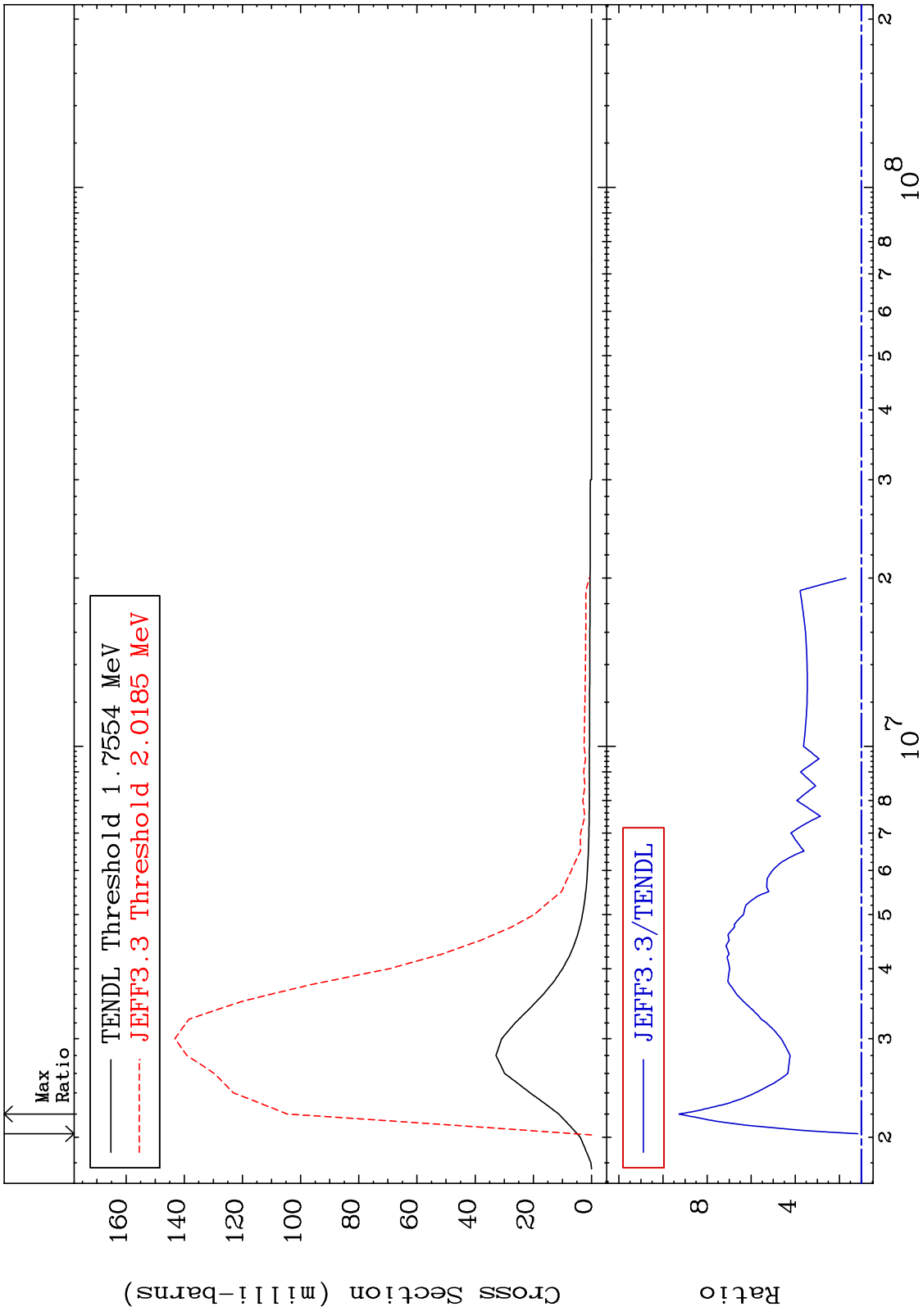
MAT 5843 MT= 54 (n,n') Level Cross Section 58-Ce-142 -96.72 To 42.28 %



MAT 5843 MT= 55 (n,n') Level Cross Section 58-Ce-142 112.0 To 813.4 %



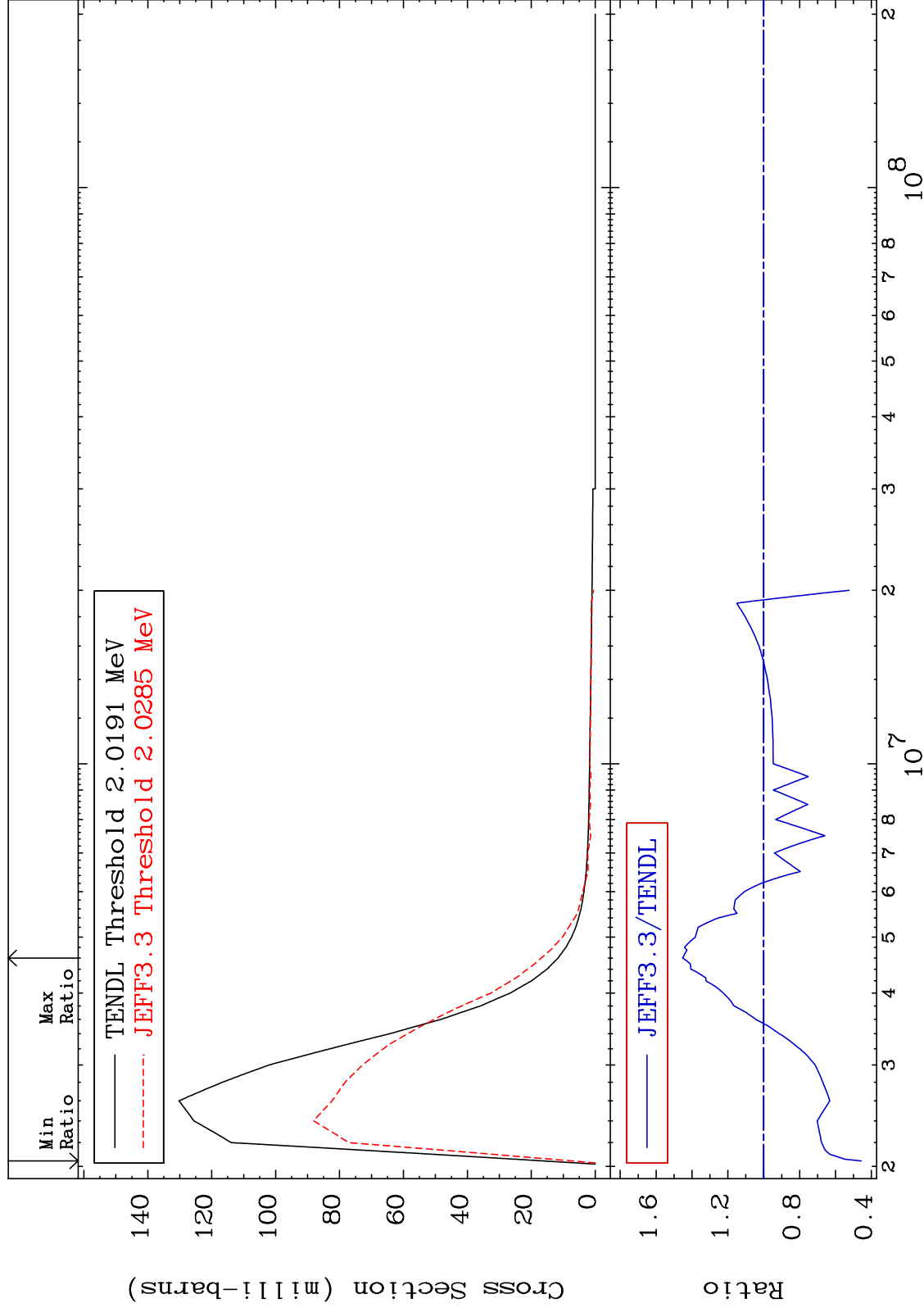
MAT 5843 MT= 56 (n,n') Level Cross Section 58-Ce-142 16.13 To 827.4 %



MAT 5843

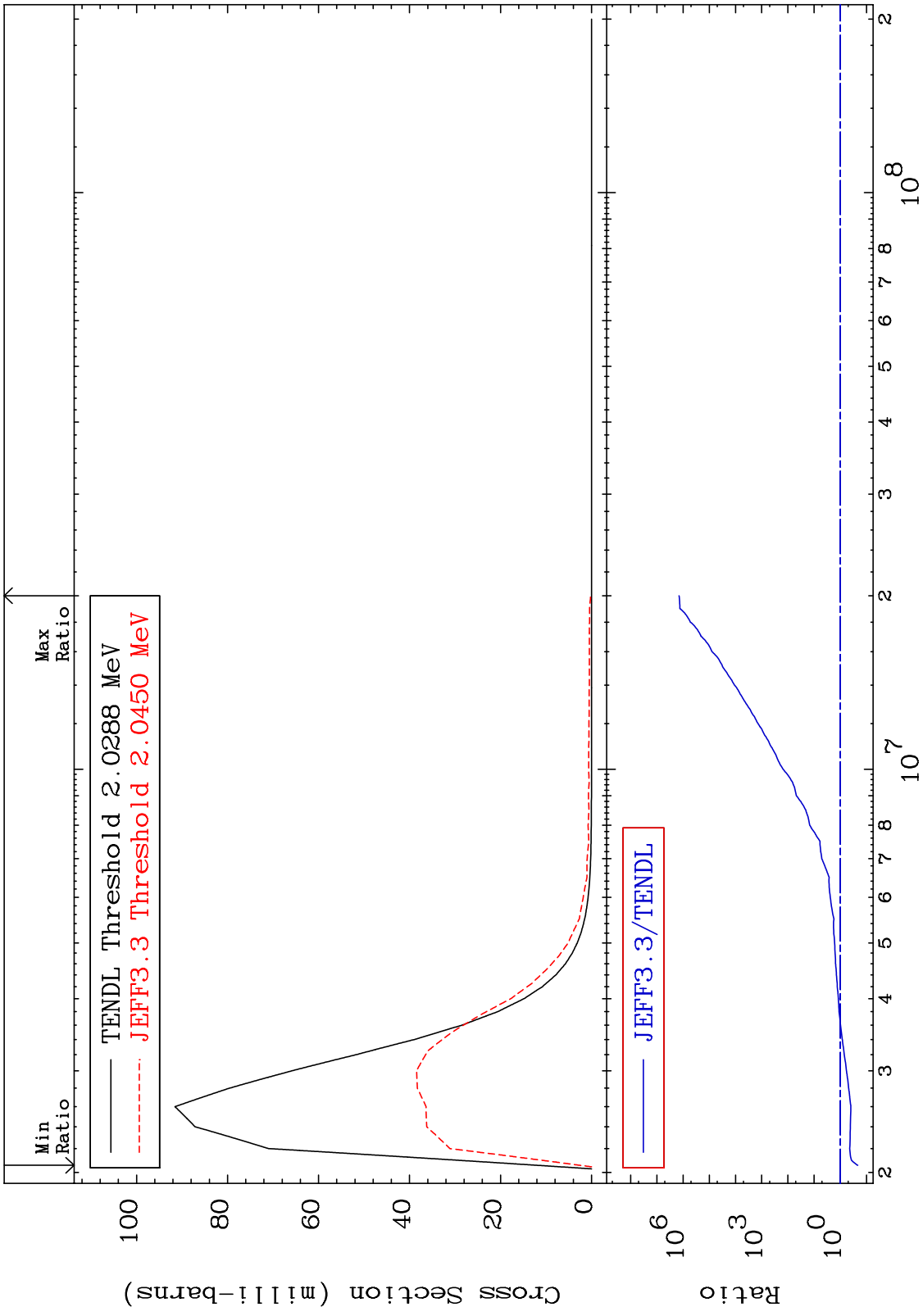
MT= 57 (n,n') Level  
Cross Section

58-Ce-142  
-54.41 To 45.19 %

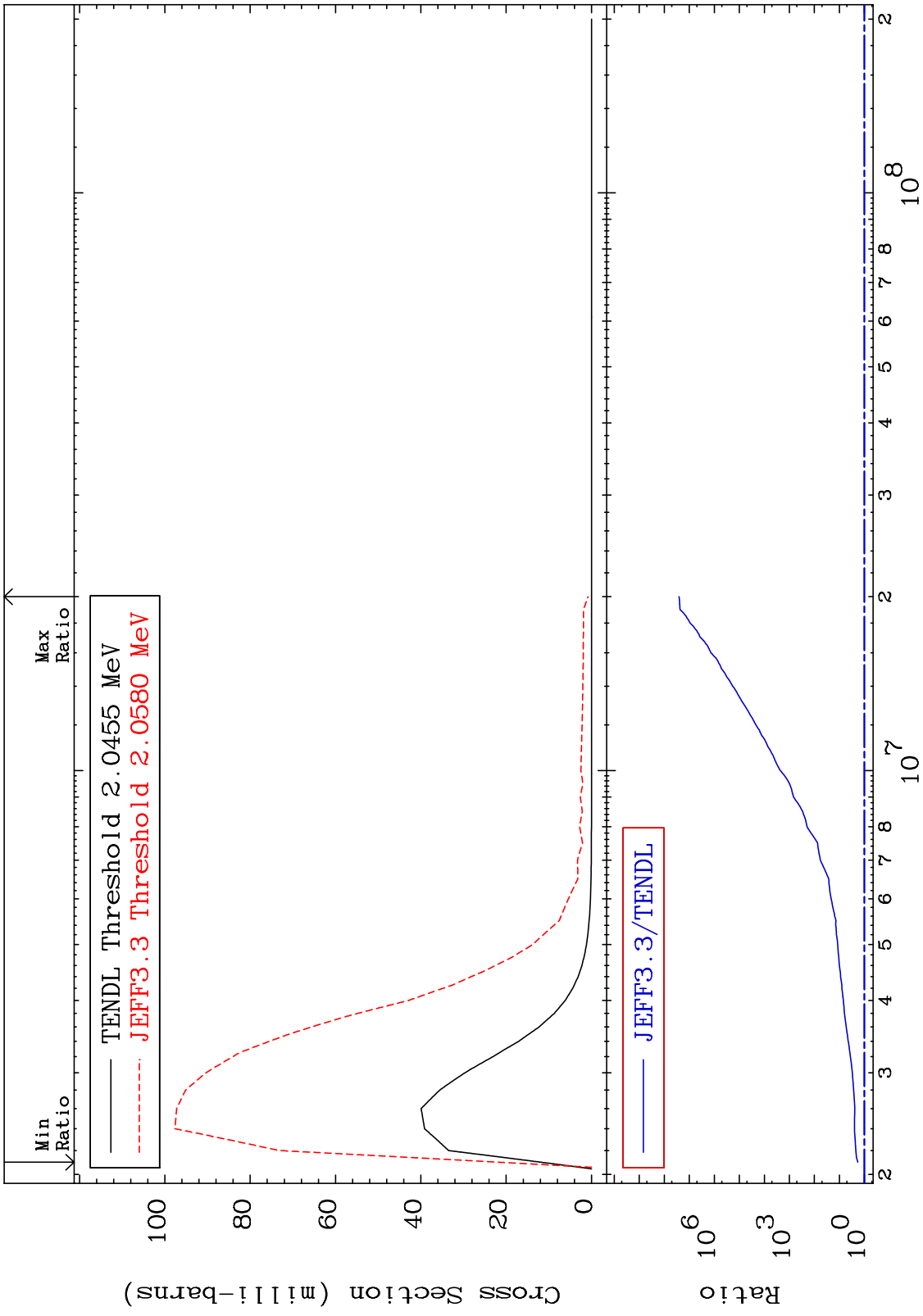




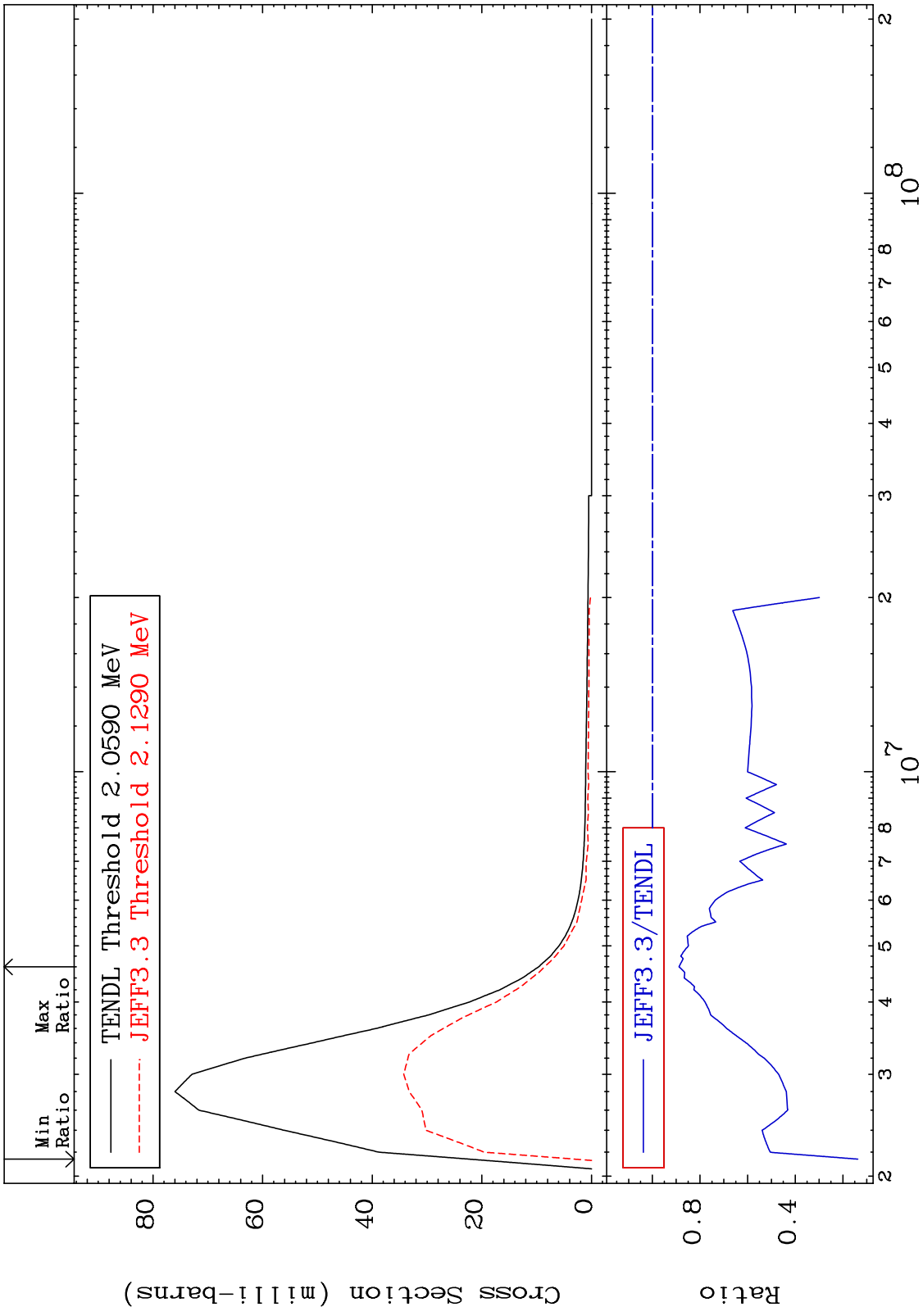
MAT 5843 MT= 58 (n,n') Level Cross Section 58-Ce-142  
 -78.46 To 9999. %



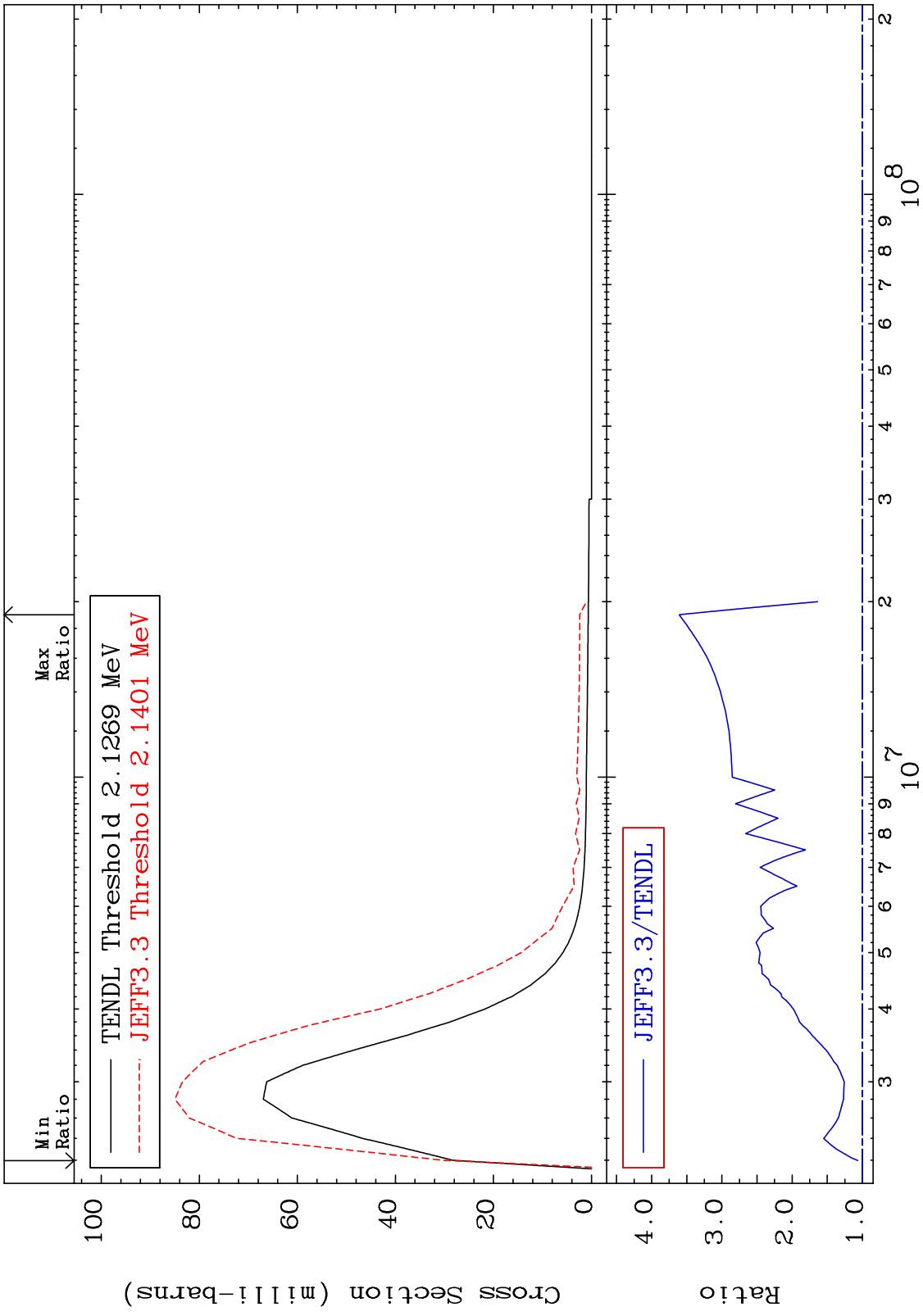
MAT 5843 MT= 59 (n,n') Level Cross Section 58-Ce-142 To 9999. %



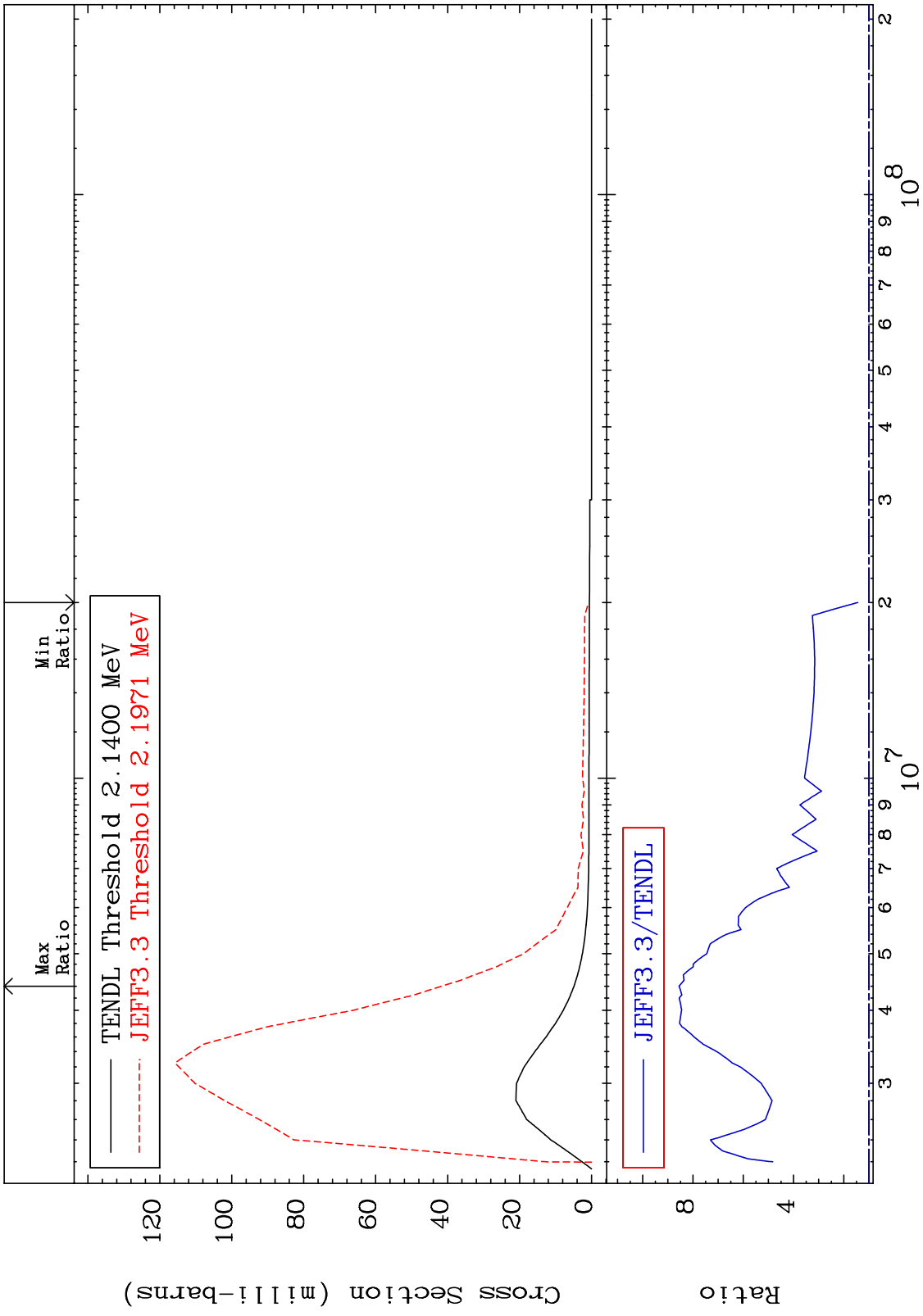
MAT 5843 MT= 60 (n,n') Level Cross Section 58-Ce-142 -86.30 To -11.19%



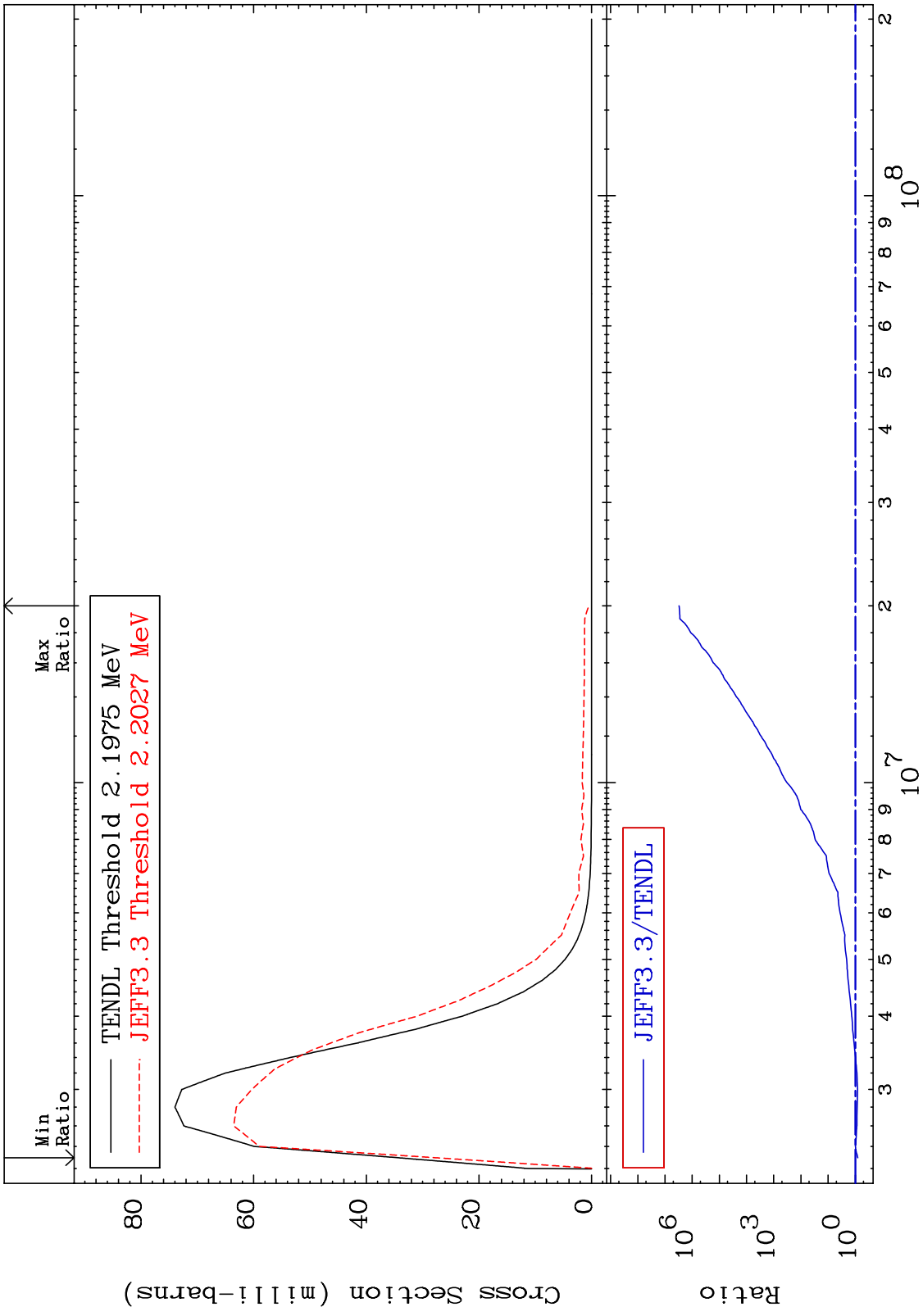
MAT 5843 MT= 61 (n,n') Level Cross Section 58-Ce-142 6.472 To 261.0 %



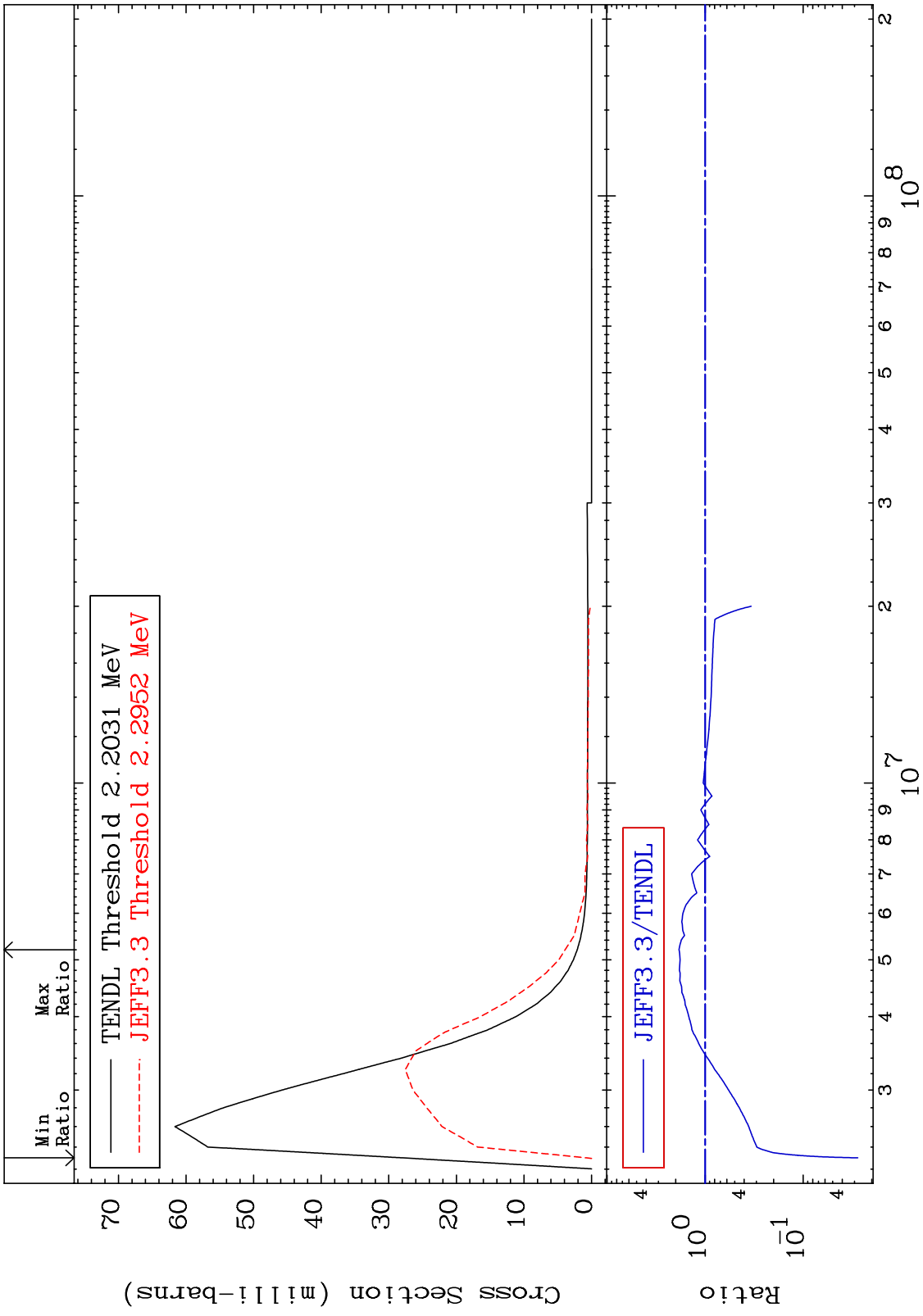
MAT 5843 MT= 62 (n,n') Level Cross Section 58-Ce-142 44.34 To 755.6 %



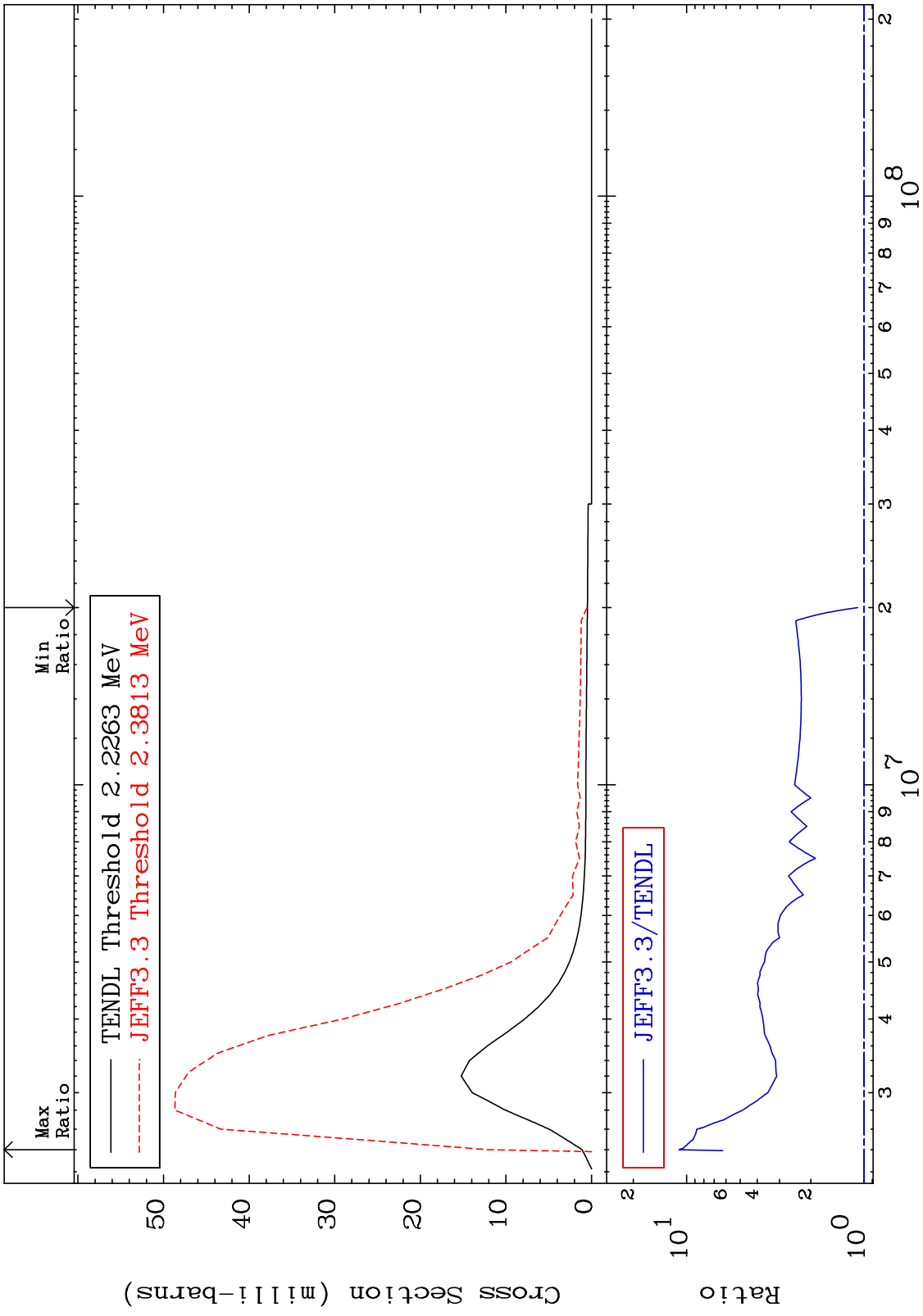
MAT 5843 MT= 63 (n,n') Level Cross Section 58-Ce-142  
 -19.49 To 9999. %



MAT 5843 MT= 64 (n,n') Level Cross Section 58-Ce-142  
 -97.23 To 84.65 %

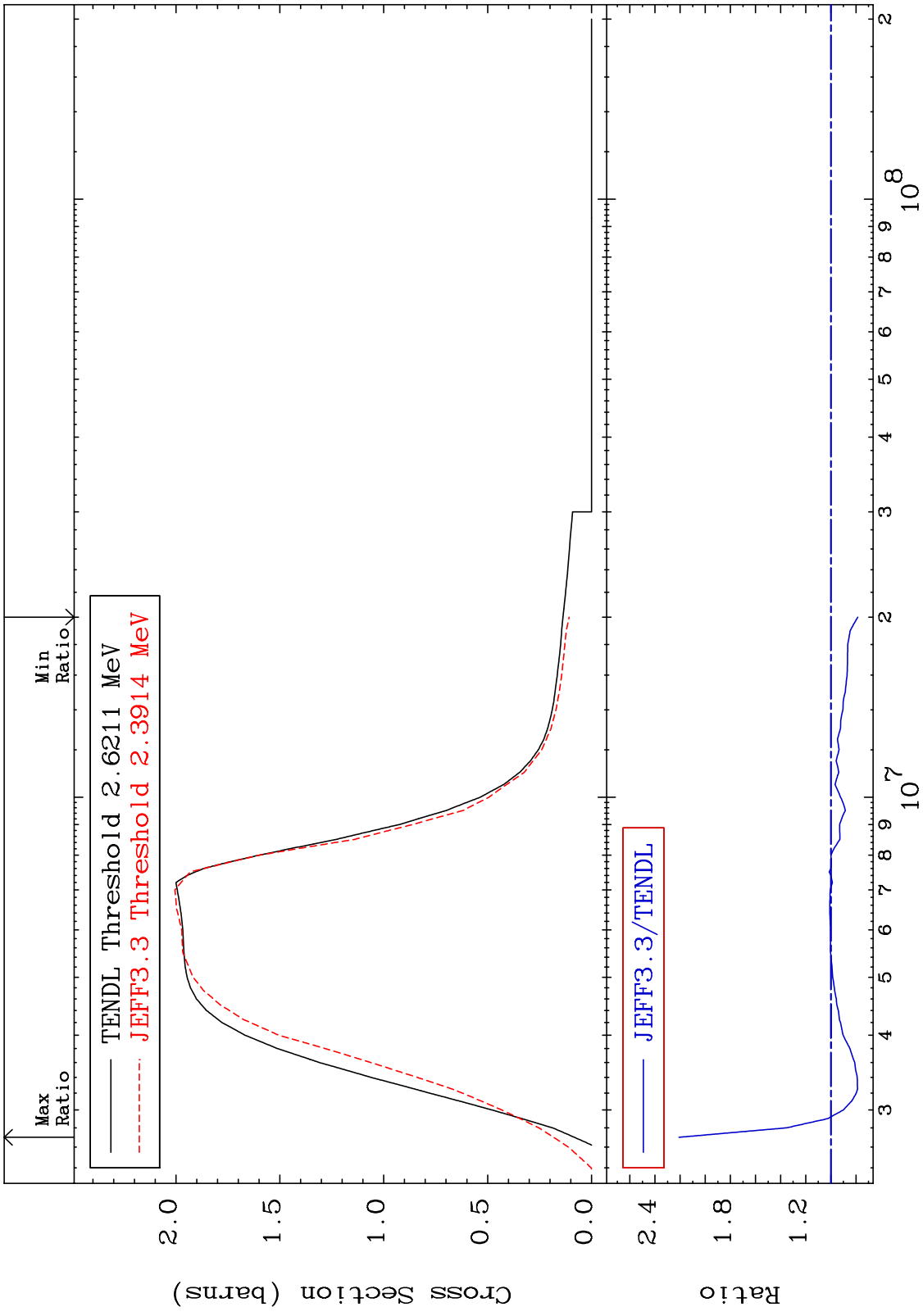


MAT 5843 MT= 65 (n,n') Level Cross Section 58-Ce-142 To 1005. %  
 8.561





MAT 5843 (n, n') Continuum Cross Section 58-Ce-142 -21.47 To 120.9 %



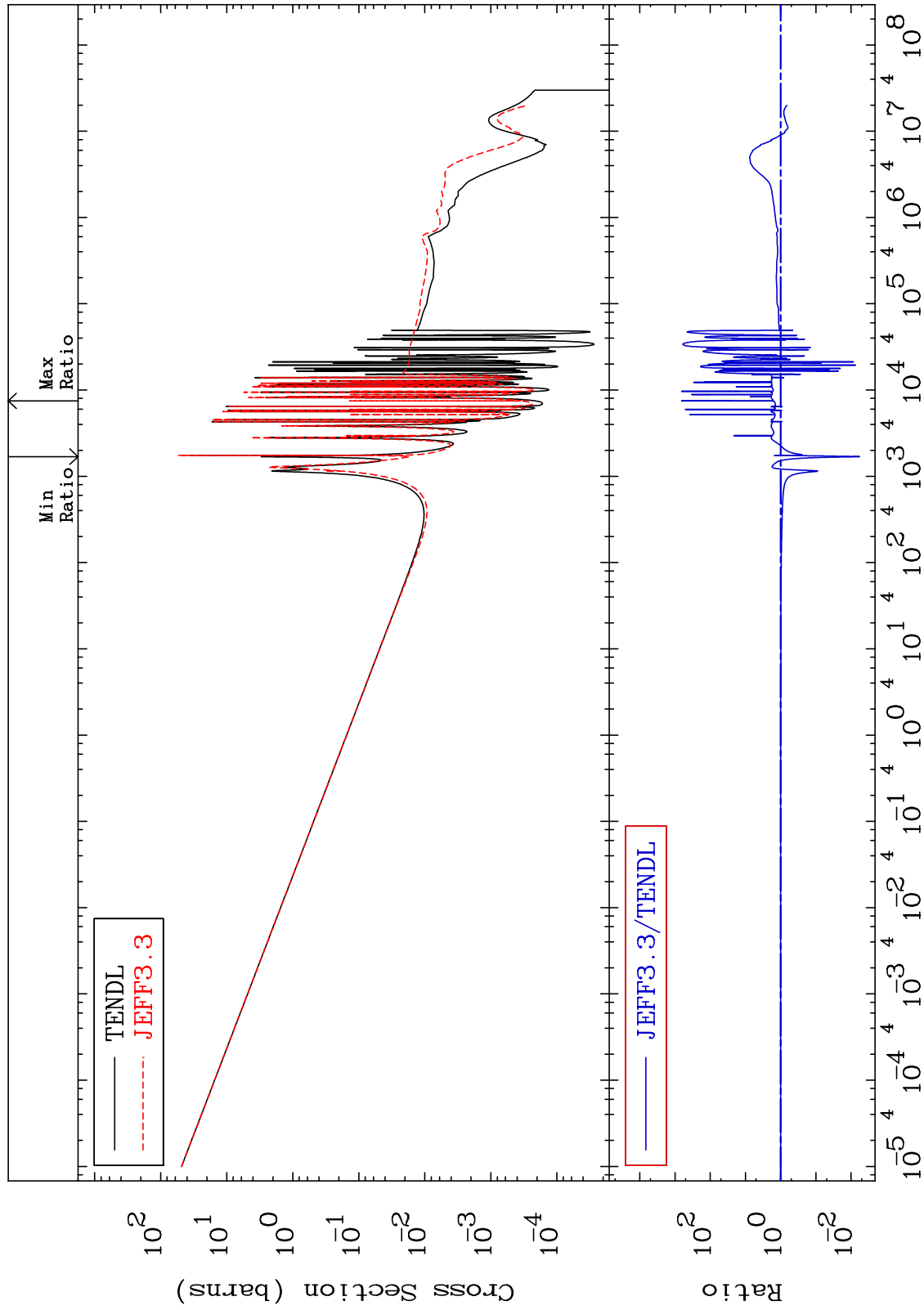
MAT 5843

(n,  $\gamma$ )

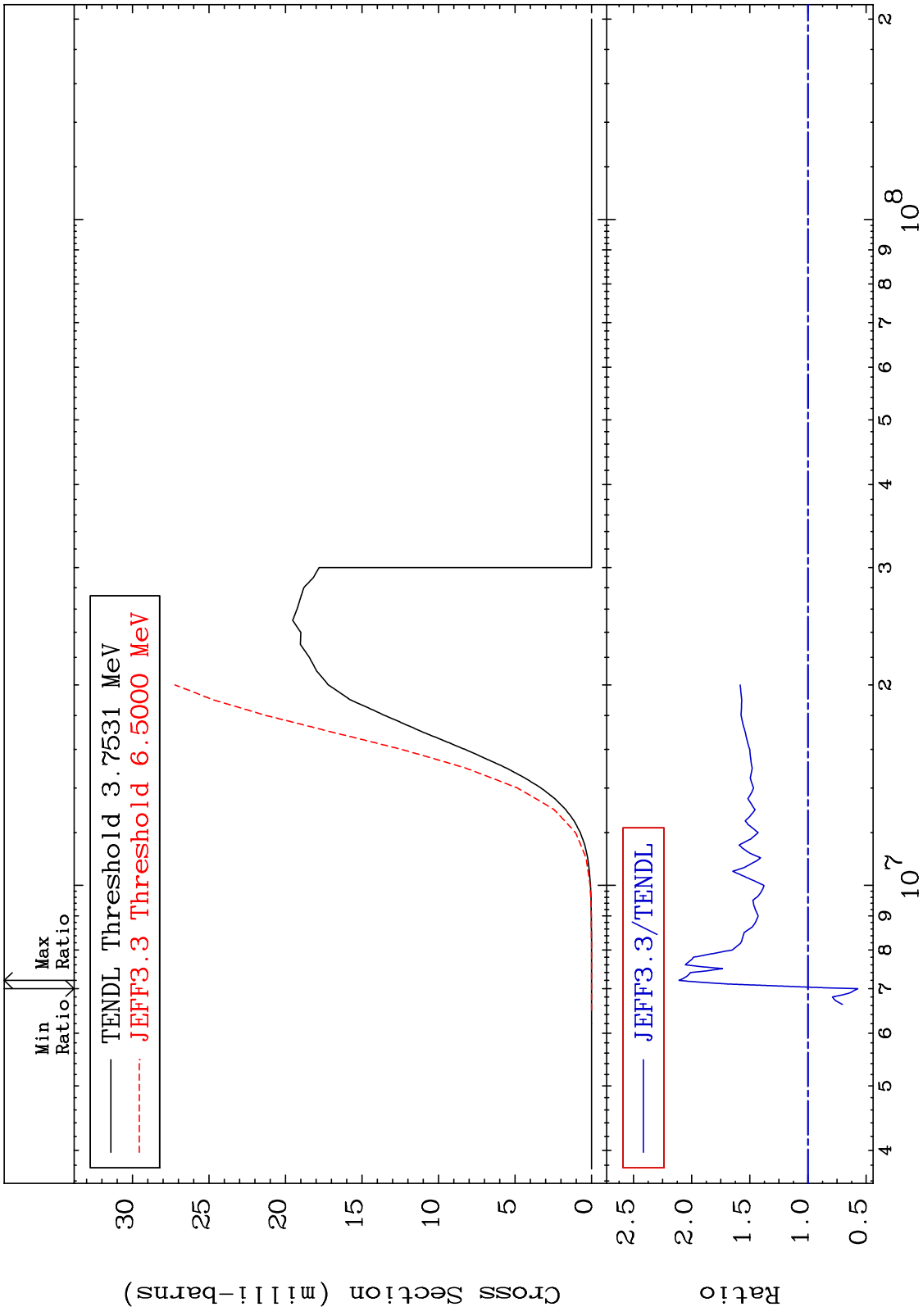
58-Ce-142

Cross Section

-99.43 To 9999. %



MAT 5843 (n,p) Cross Section 58-Ce-142 -42.88 To 110.9 %



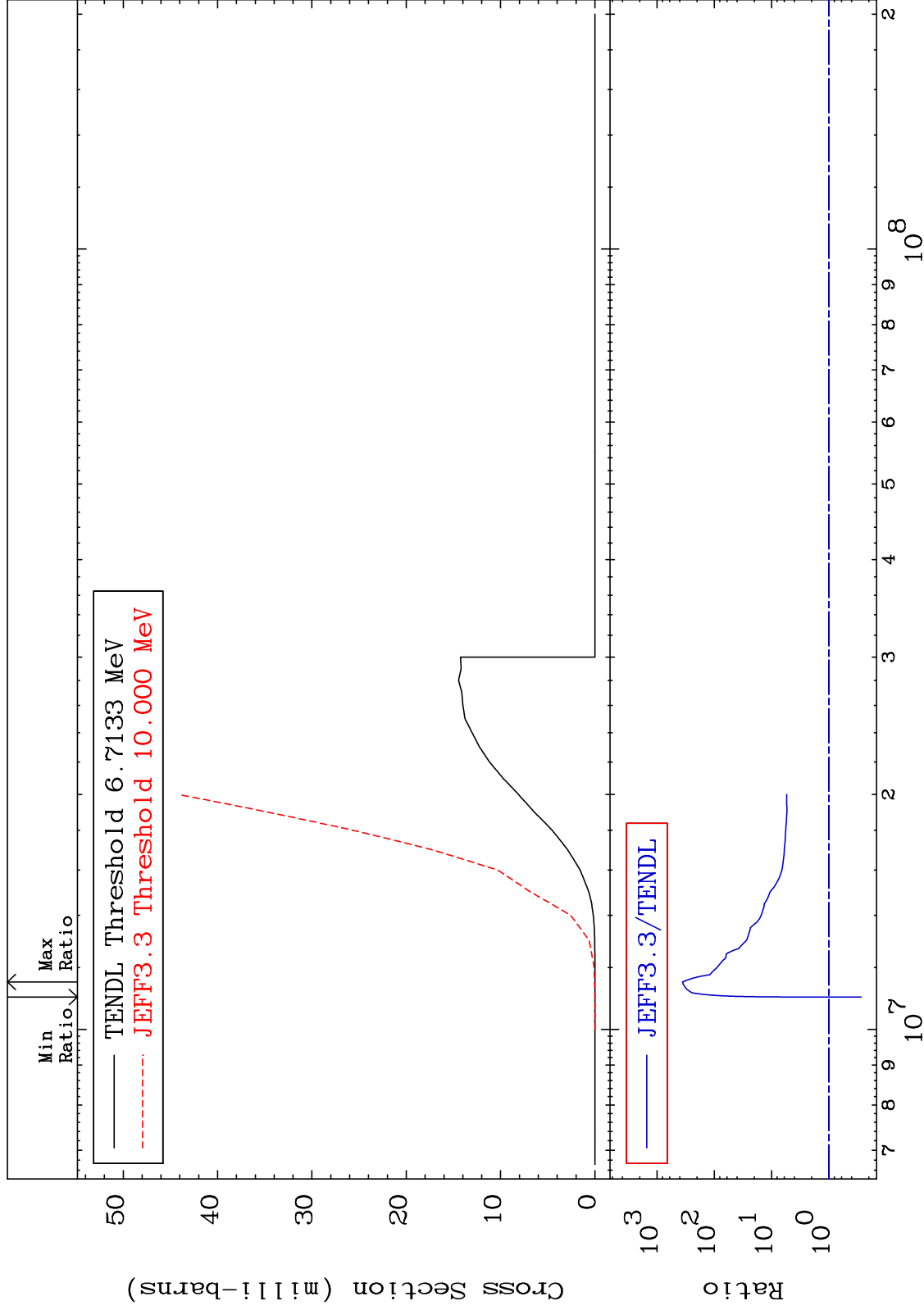
MAT 5843

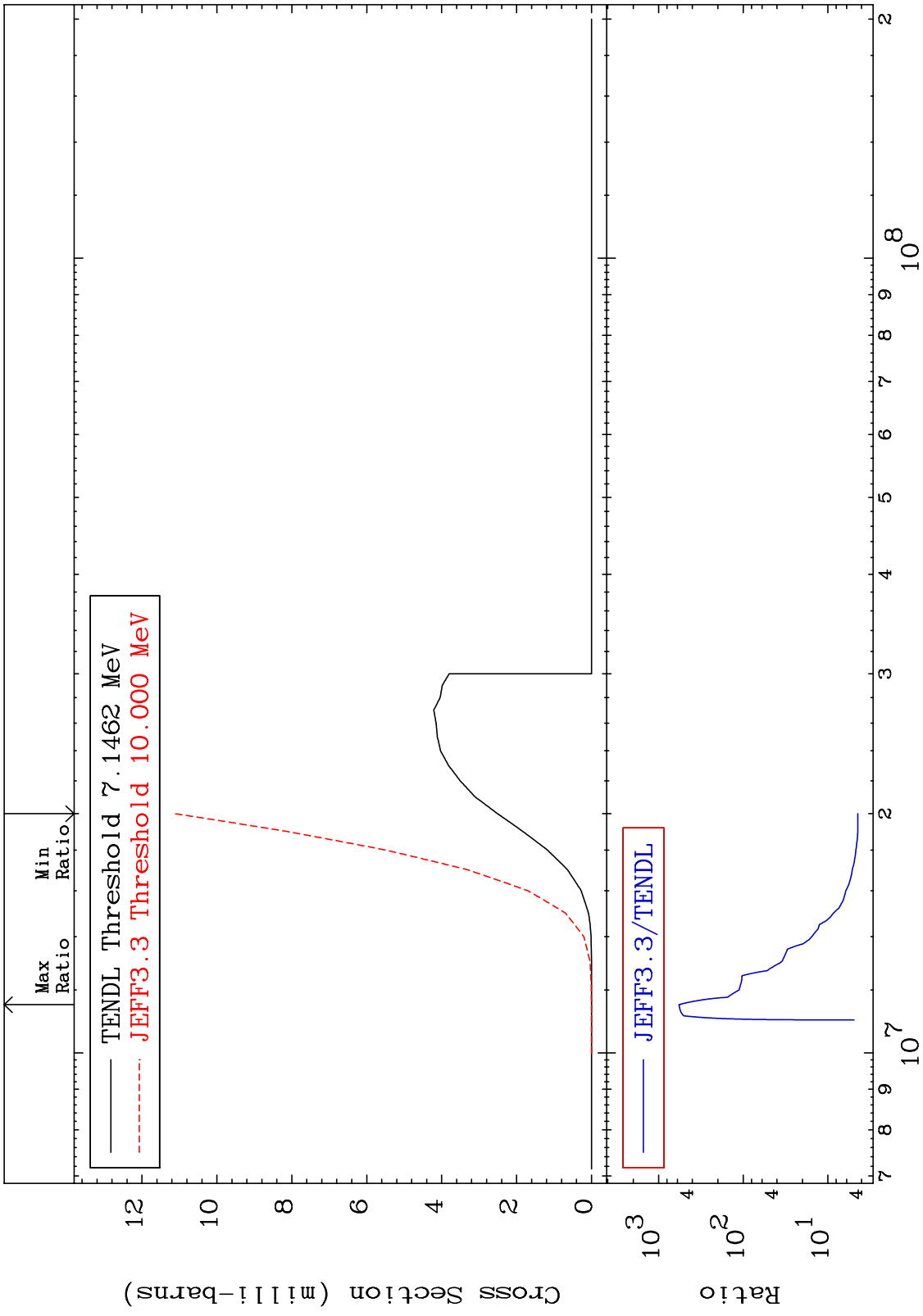
(n,d)

58-Ce-142

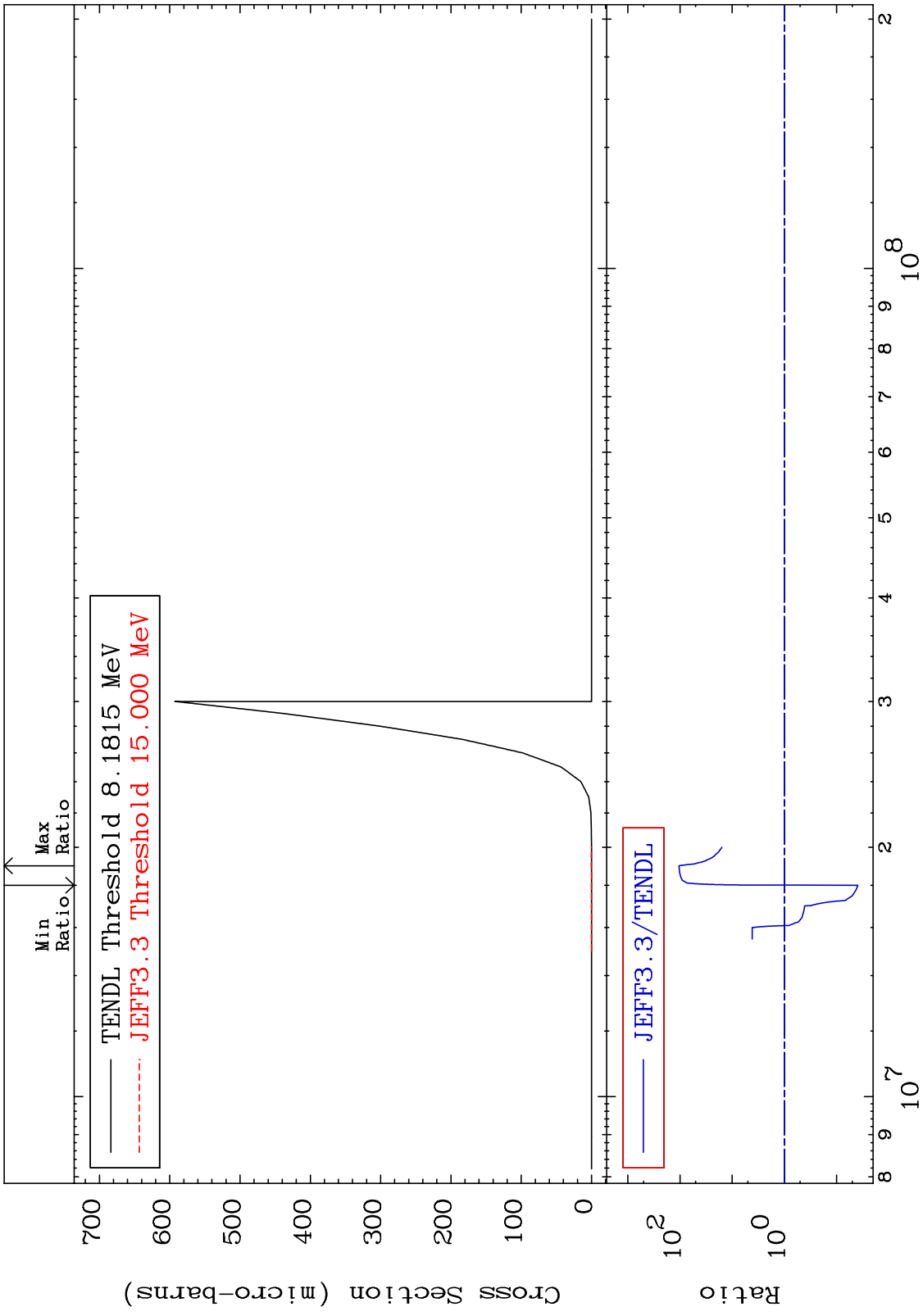
Cross Section

-72.94 To 9999. %





MAT 5843 (n, He-3) 58-Ce-142  
 Cross Section -96.08 To 9999. %



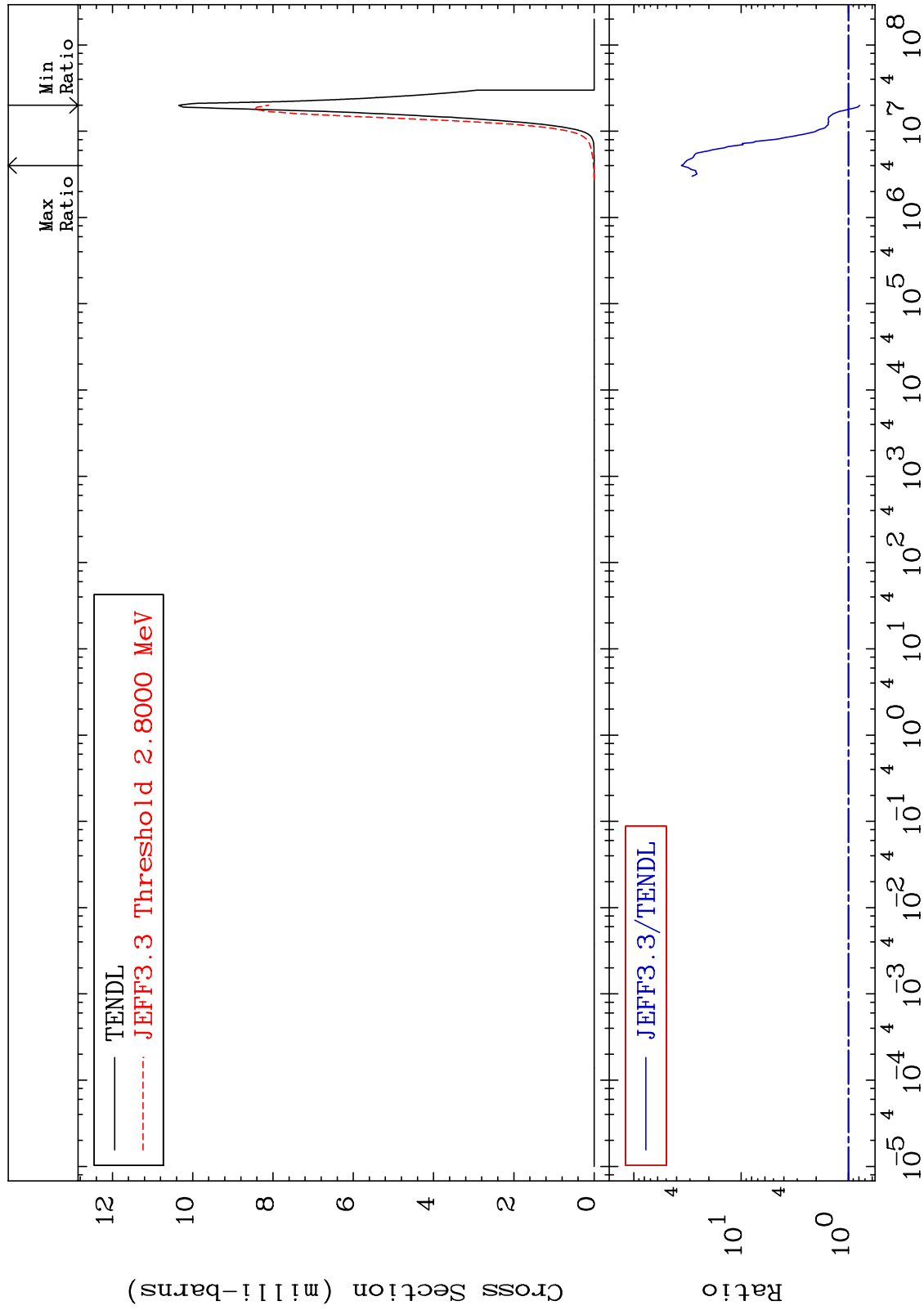
MAT 5843

(n,  $\alpha$ )

58-Ce-142

Cross Section

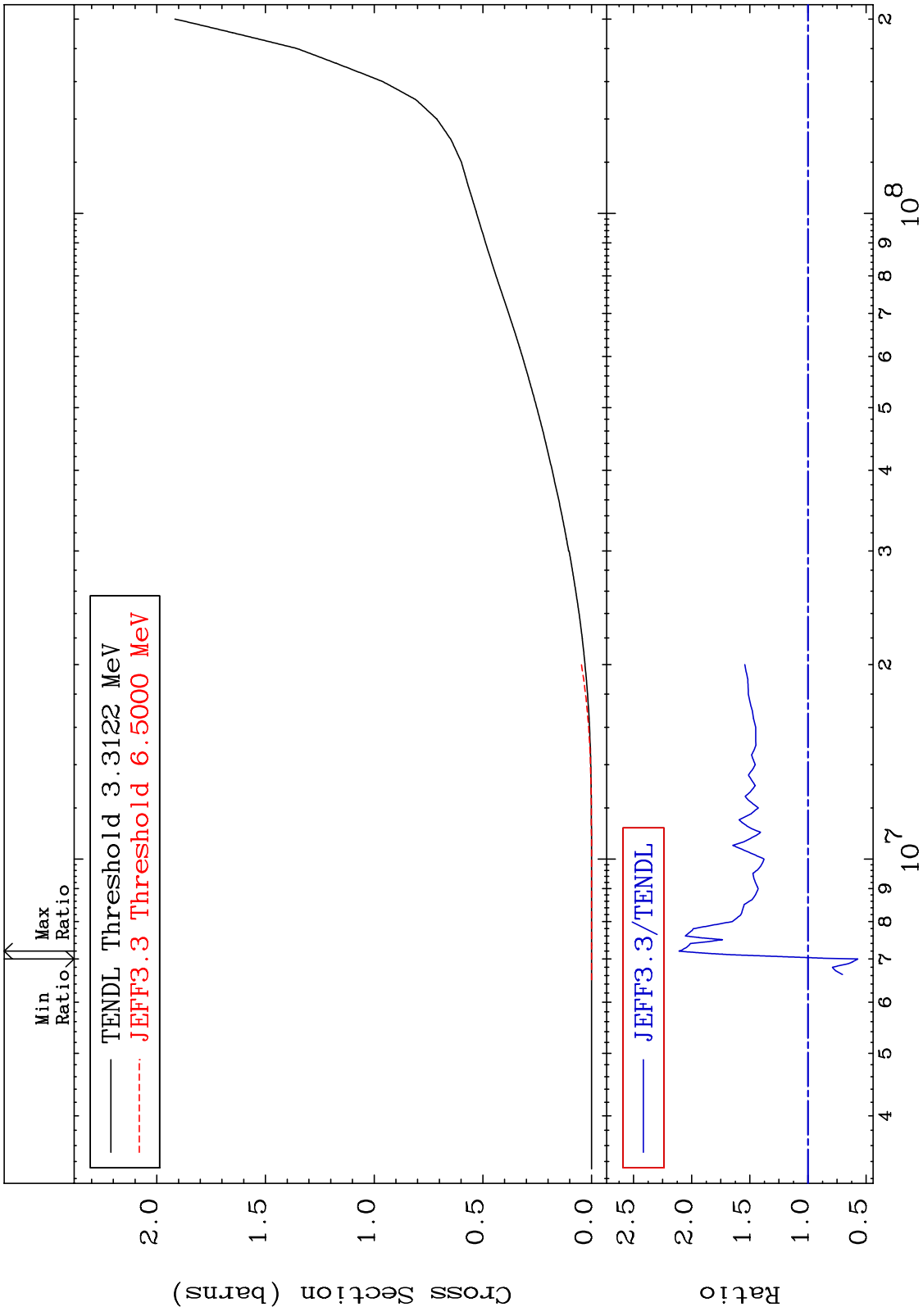
-21.69 To 3503. %



30

Incident Energy (eV)

58-Ce-142

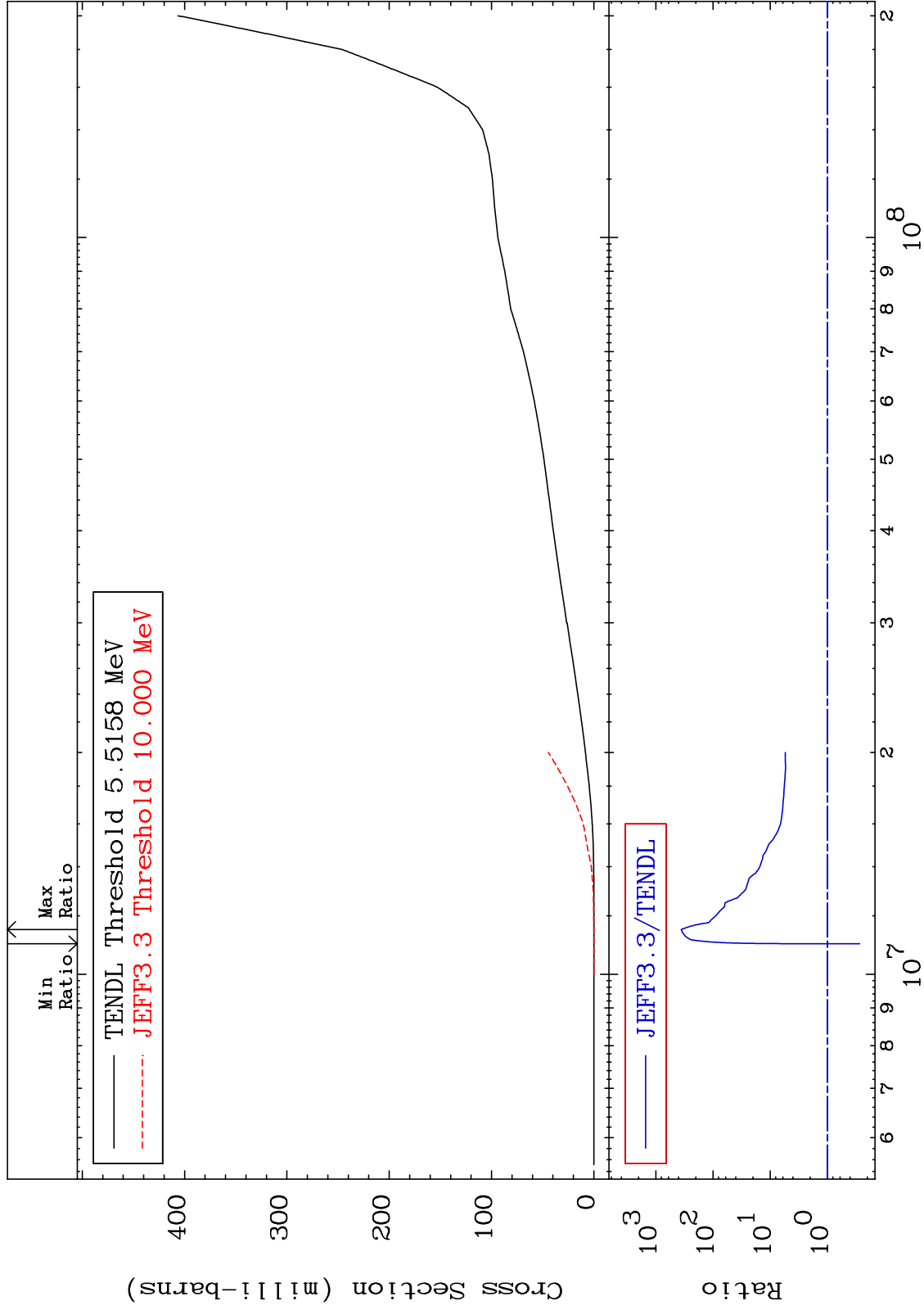




MAT 5843

Deuterium Production  
Cross Section

58-Ce-142  
-72.94 To 9999. %



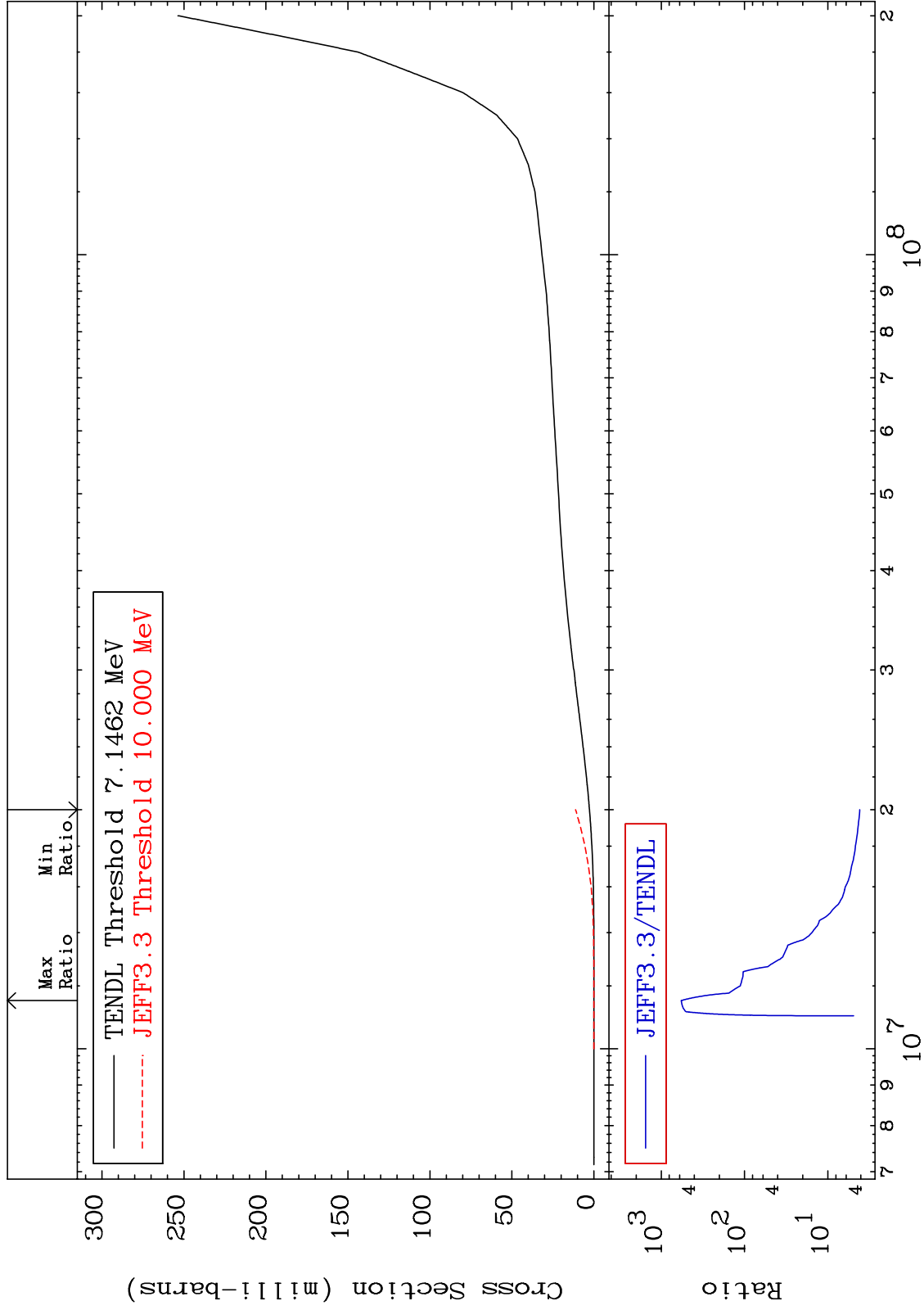
32

58-Ce-142

MAT 5843

Tritium Production  
Cross Section

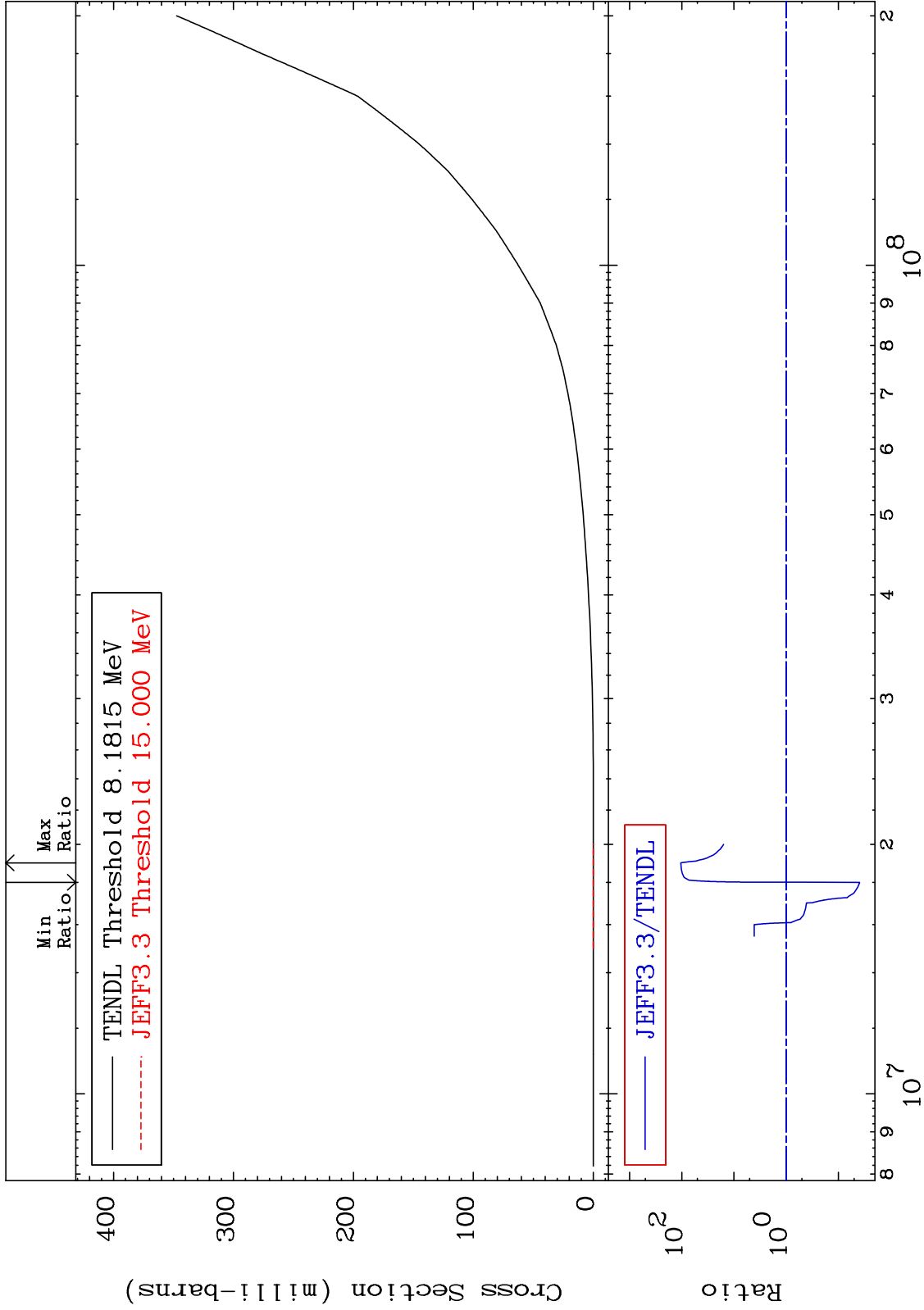
58-Ce-142  
312.7 To 9999. %



MAT 5843

He-3 Production  
Cross Section

58-Ce-142  
-96.08 To 9999. %



34

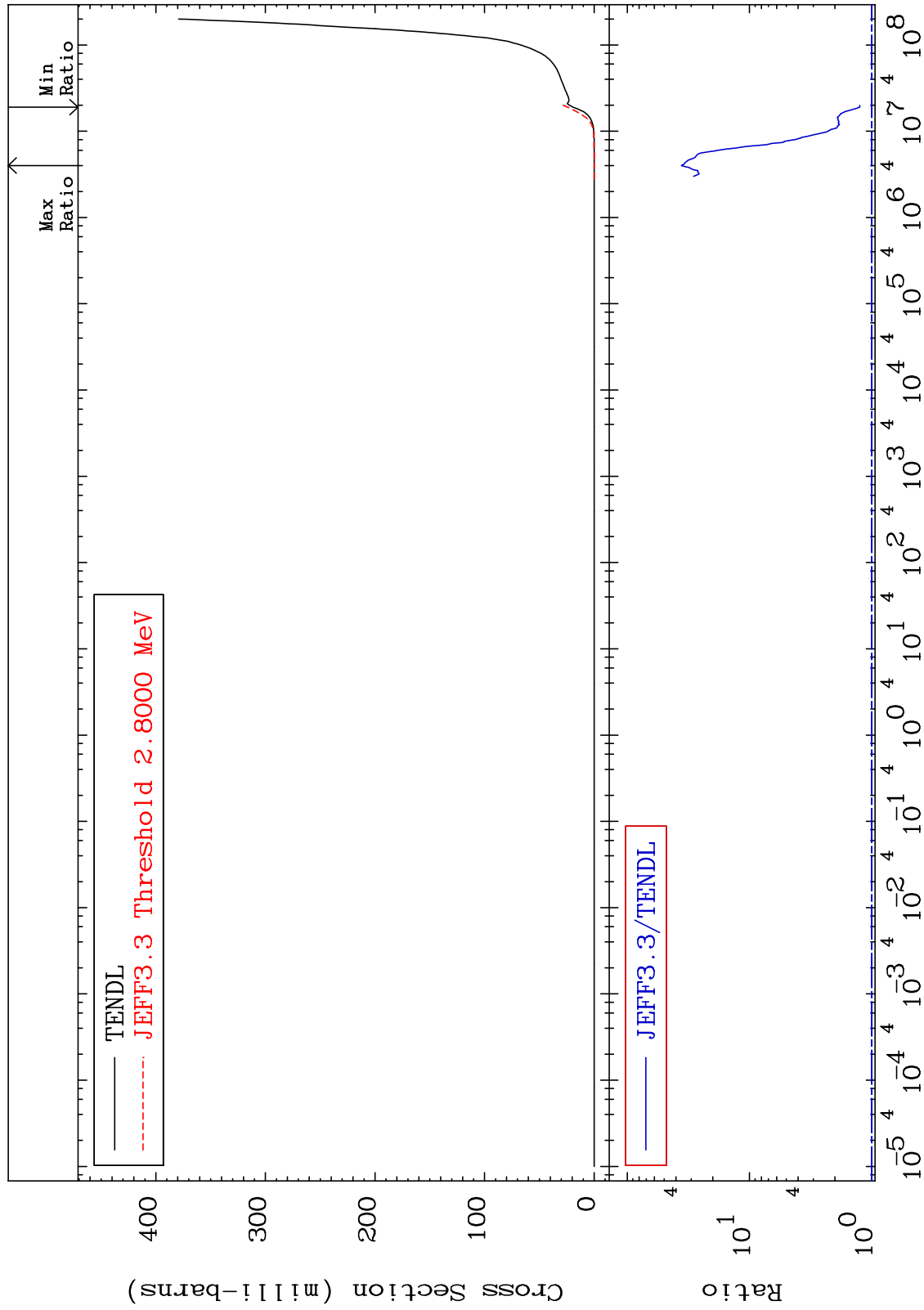
Incident Energy (eV)

58-Ce-142

MAT 5843

He-4 Production  
Cross Section

58-Ce-142  
25.09 To 3502. %

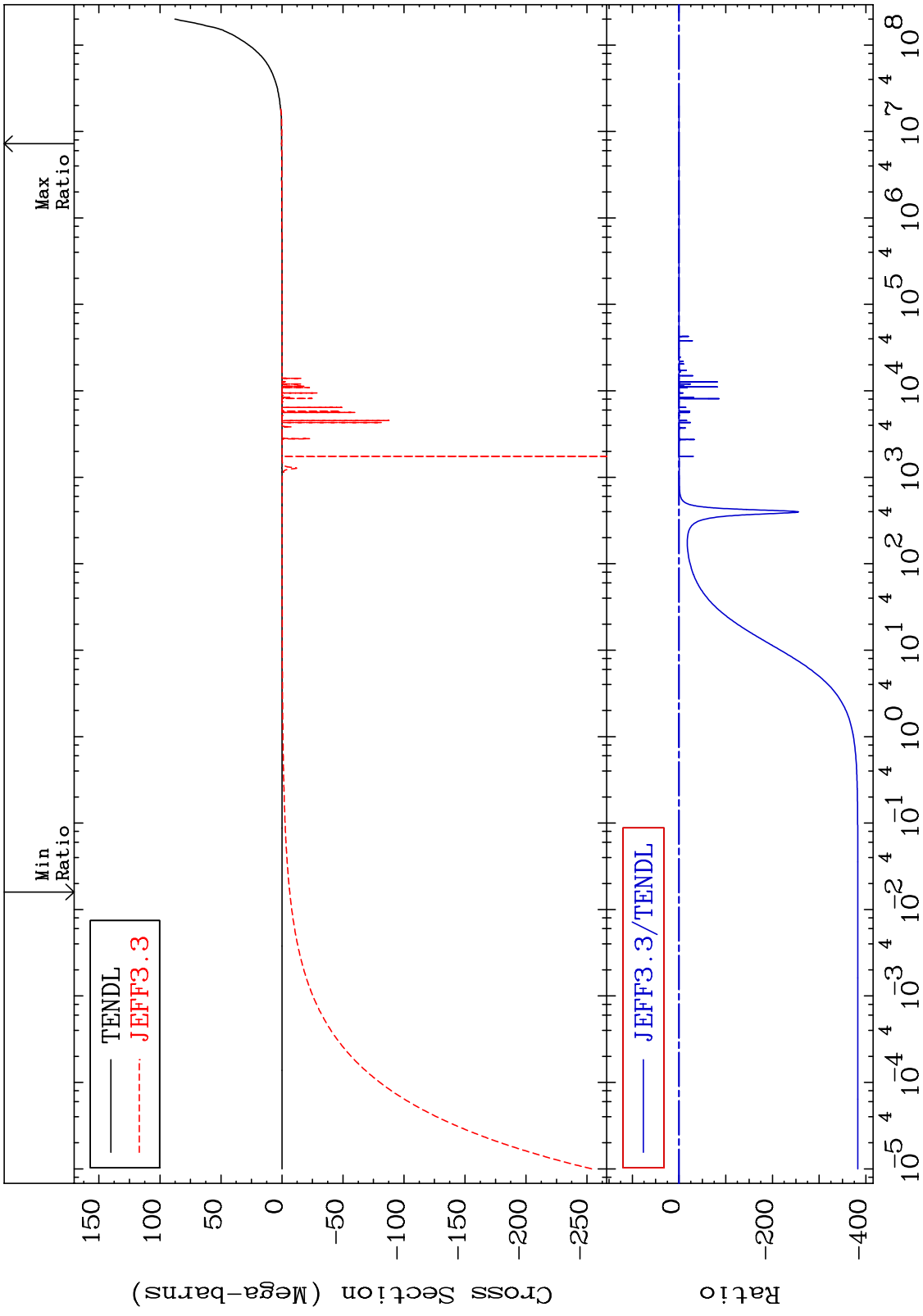


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Incident Energy (eV)

58-Ce-142

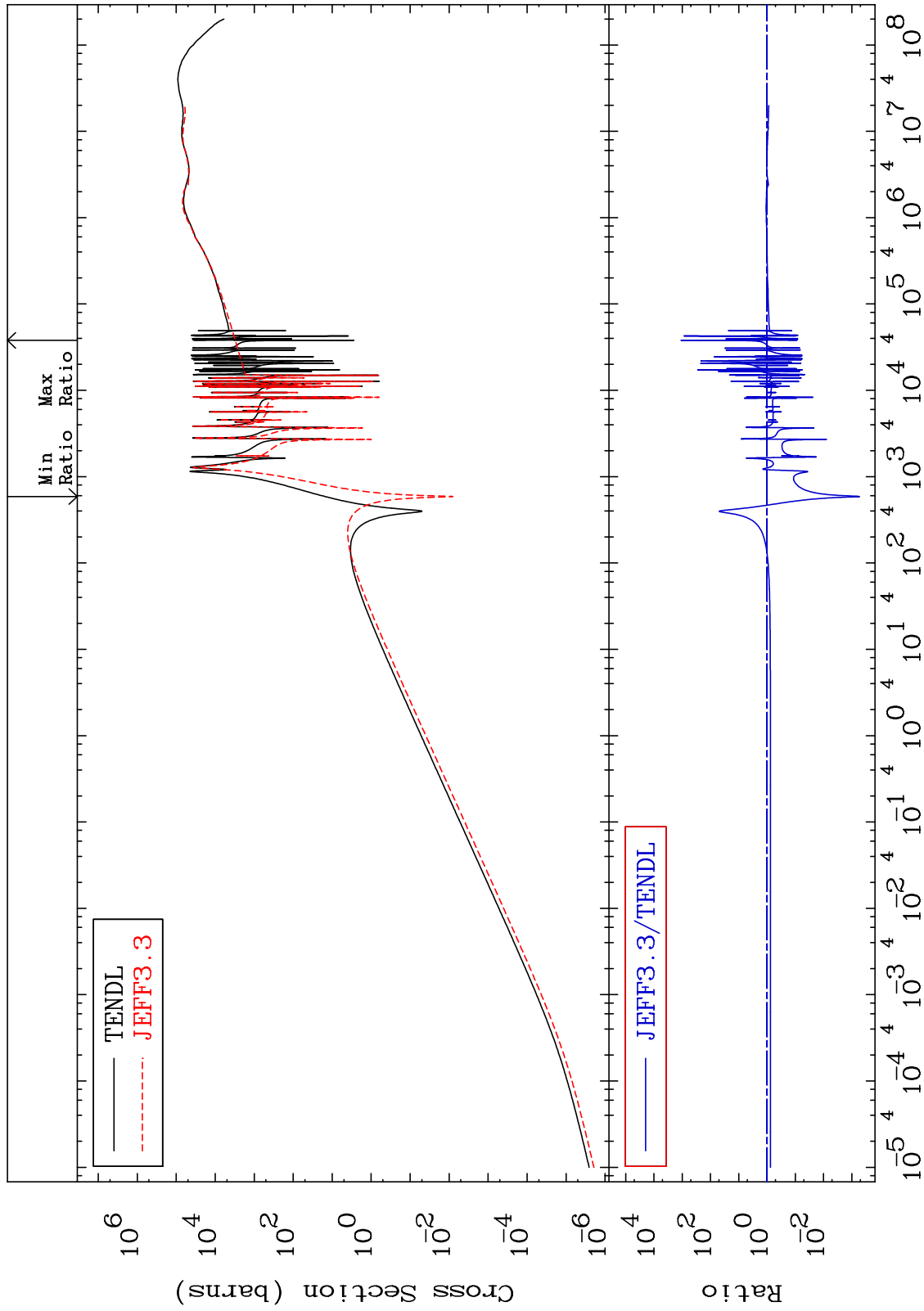
MAT 5843      Kerma total (eV-barns)      58-Ce-142  
 Cross Section      -9999. To 64.90 %



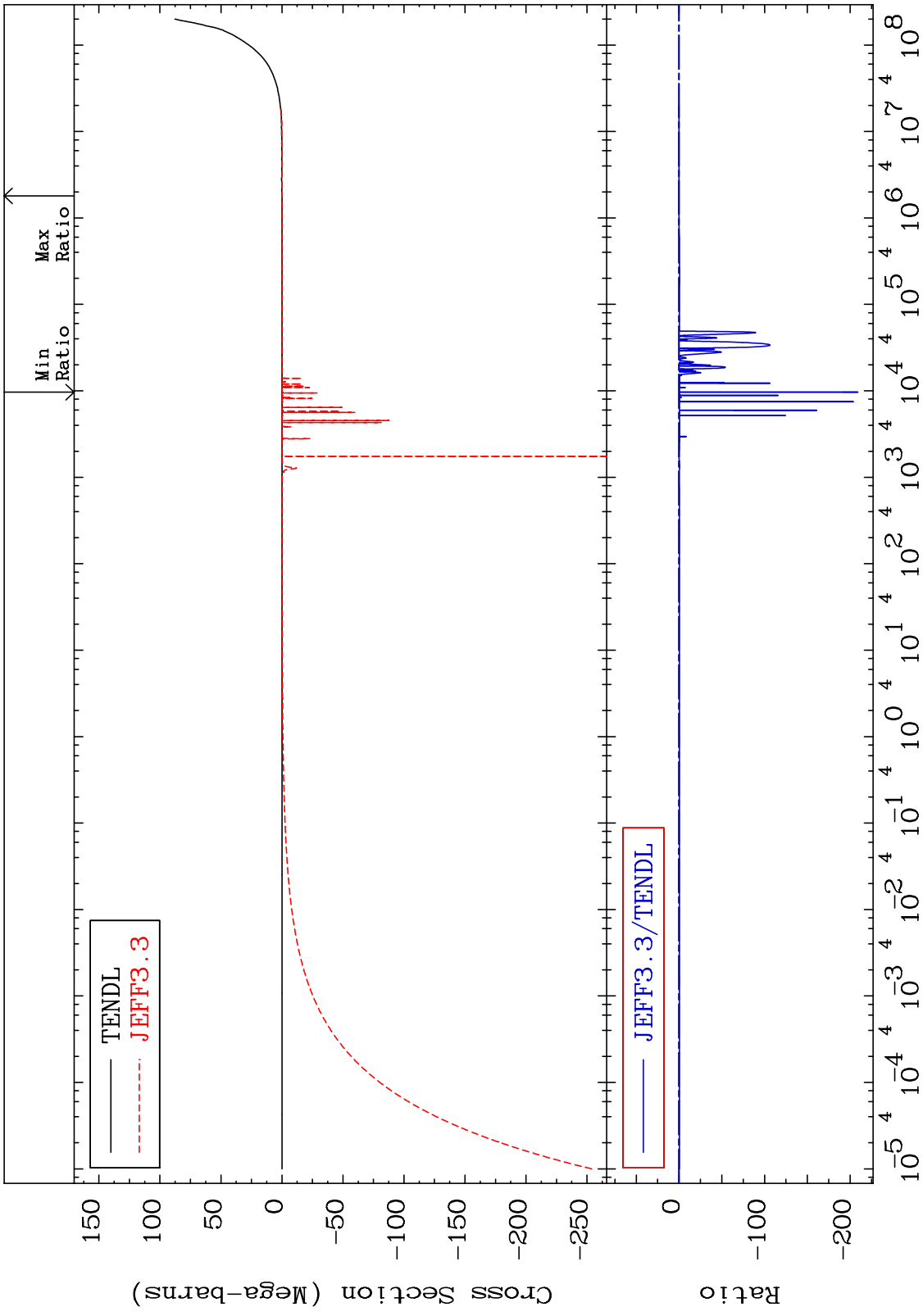
MAT 5843

Kerma elastic  
Cross Section

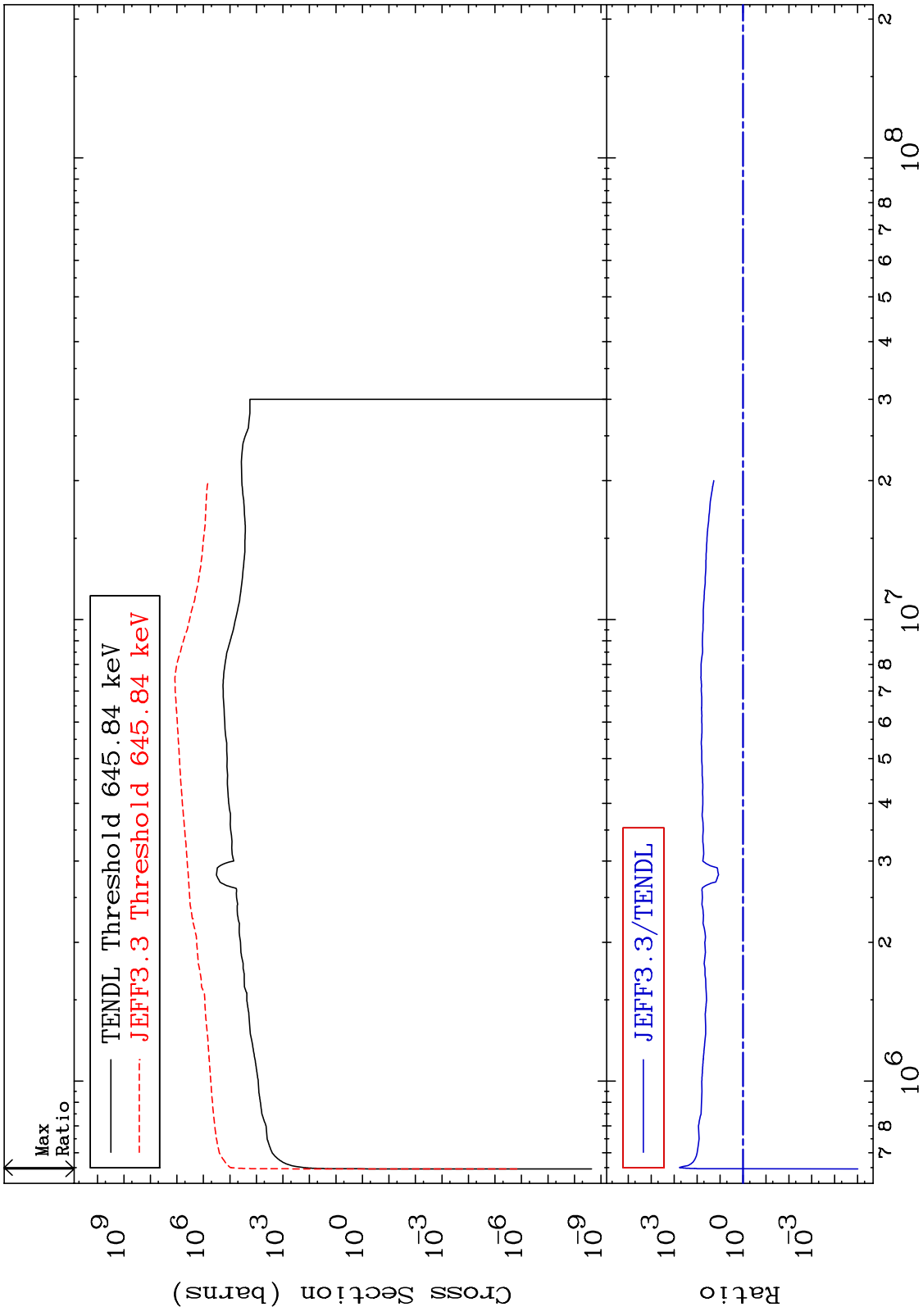
58-Ce-142  
-99.95 To 9999. %



MAT 5843      Kerma non-elastic (all but mt2)      58-Ce-142  
 Cross Section      -9999. To 149.3 %



MAT 5843 Kerma inelastic (mt51-91) 58-Ce-142  
 -100.0 To 9999. %  
 Cross Section

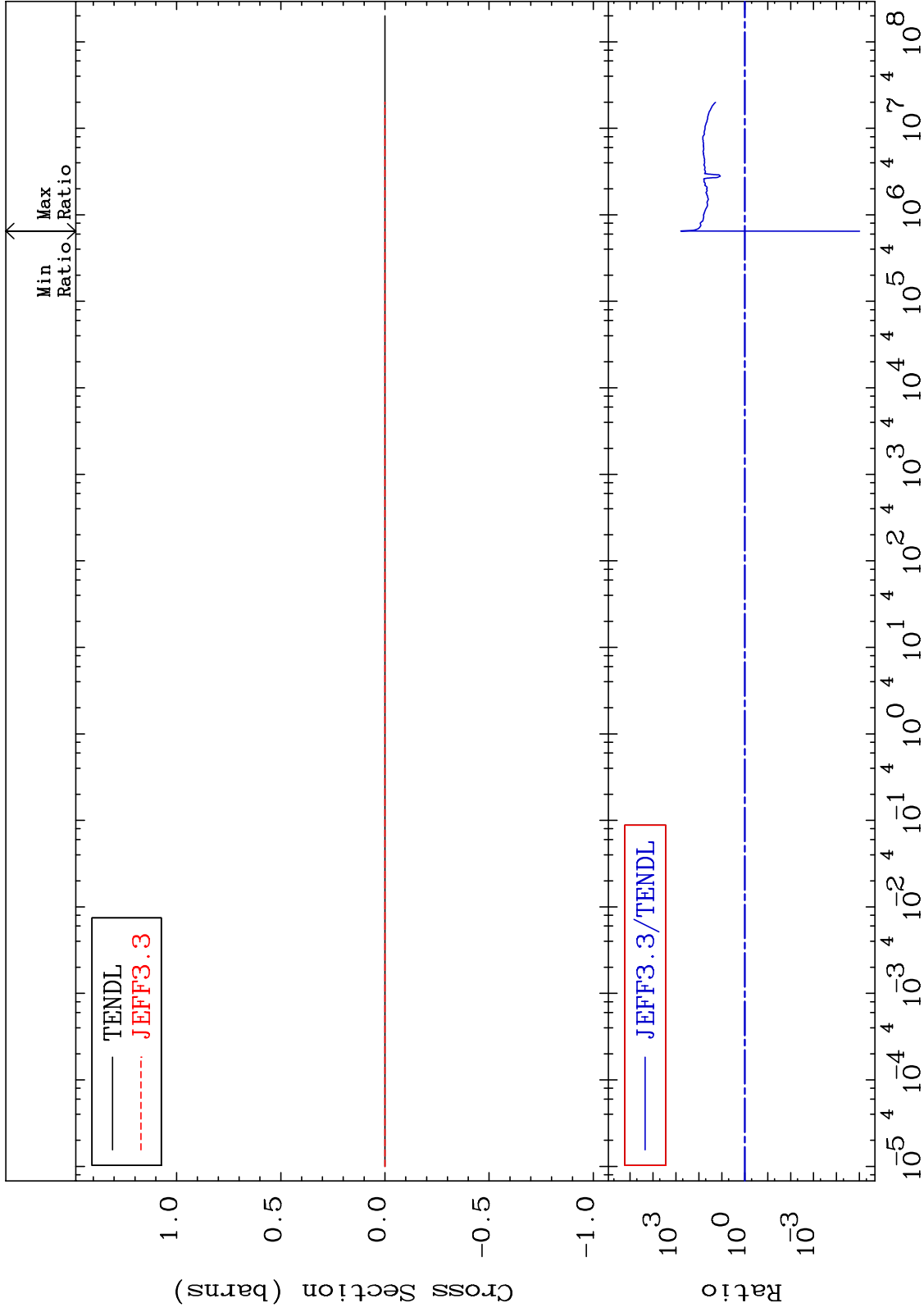




MAT 5843

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

58-Ce-142  
-100.0 To 9999. %



40

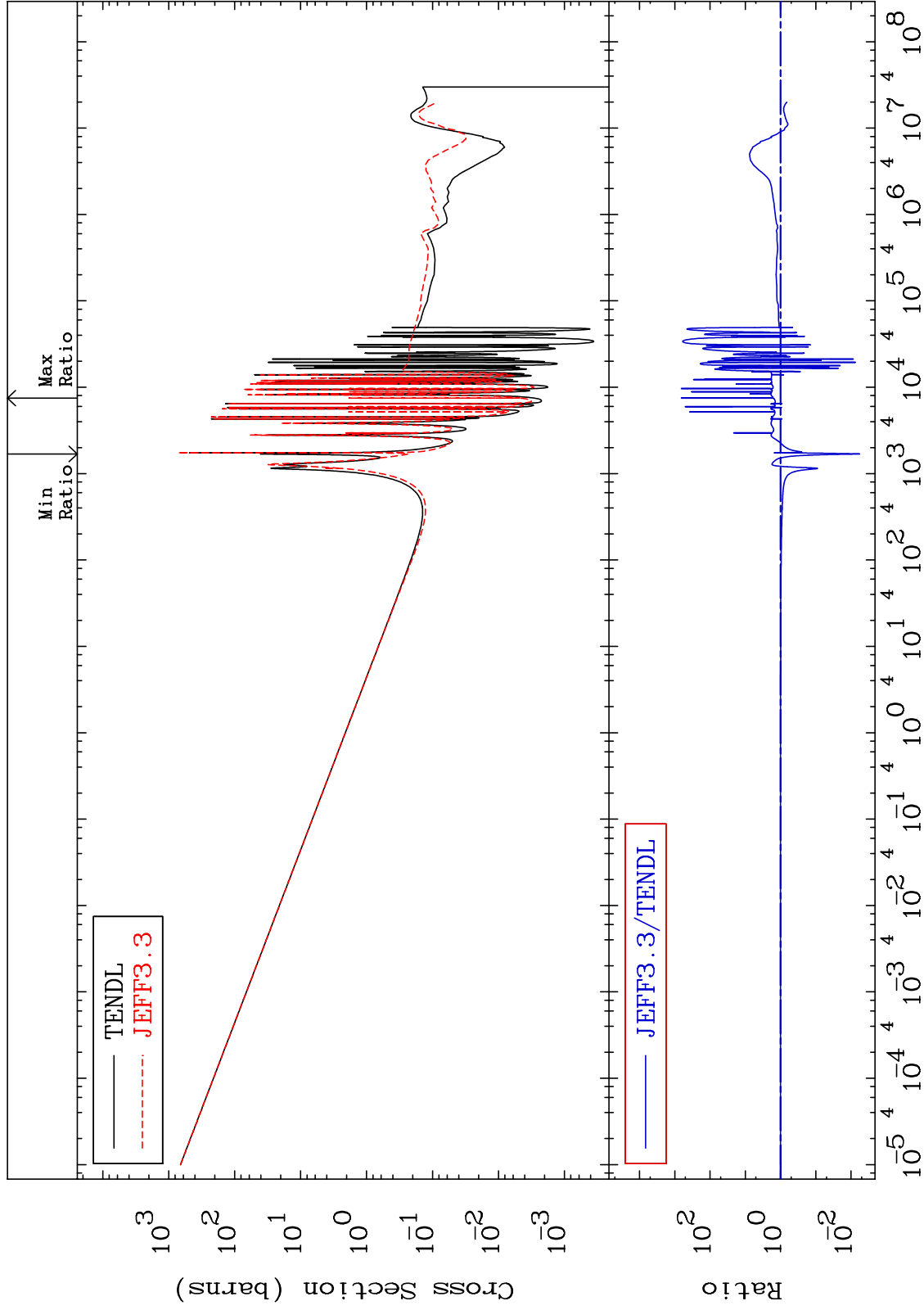
Incident Energy (eV)

58-Ce-142

MAT 5843

Kerma capture (mt102)  
Cross Section

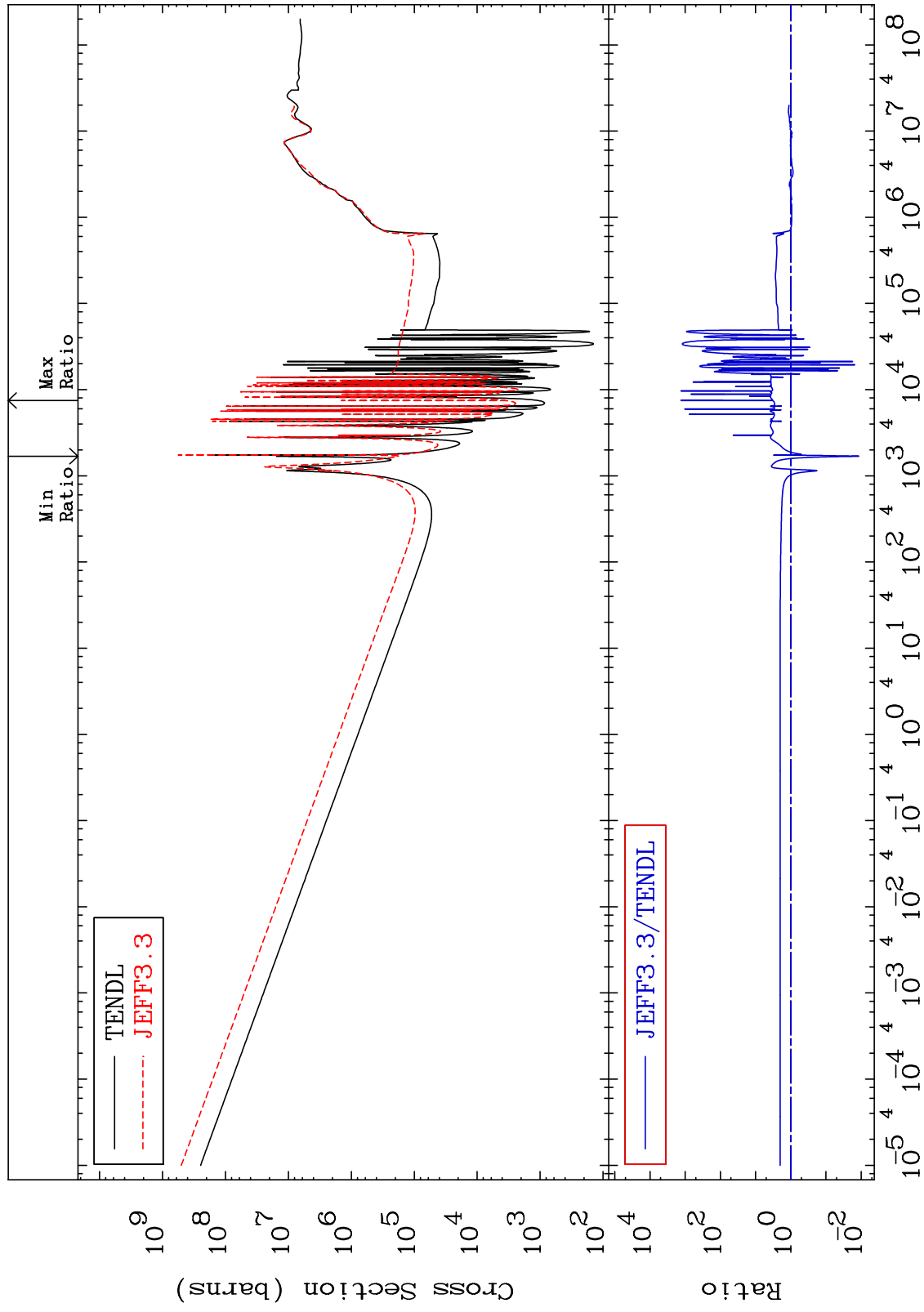
58-Ce-142  
-99.43 To 9999. %



MAT 5843

Total photon (eV-barns)  
Cross Section

58-Ce-142  
-98.85 To 9999. %

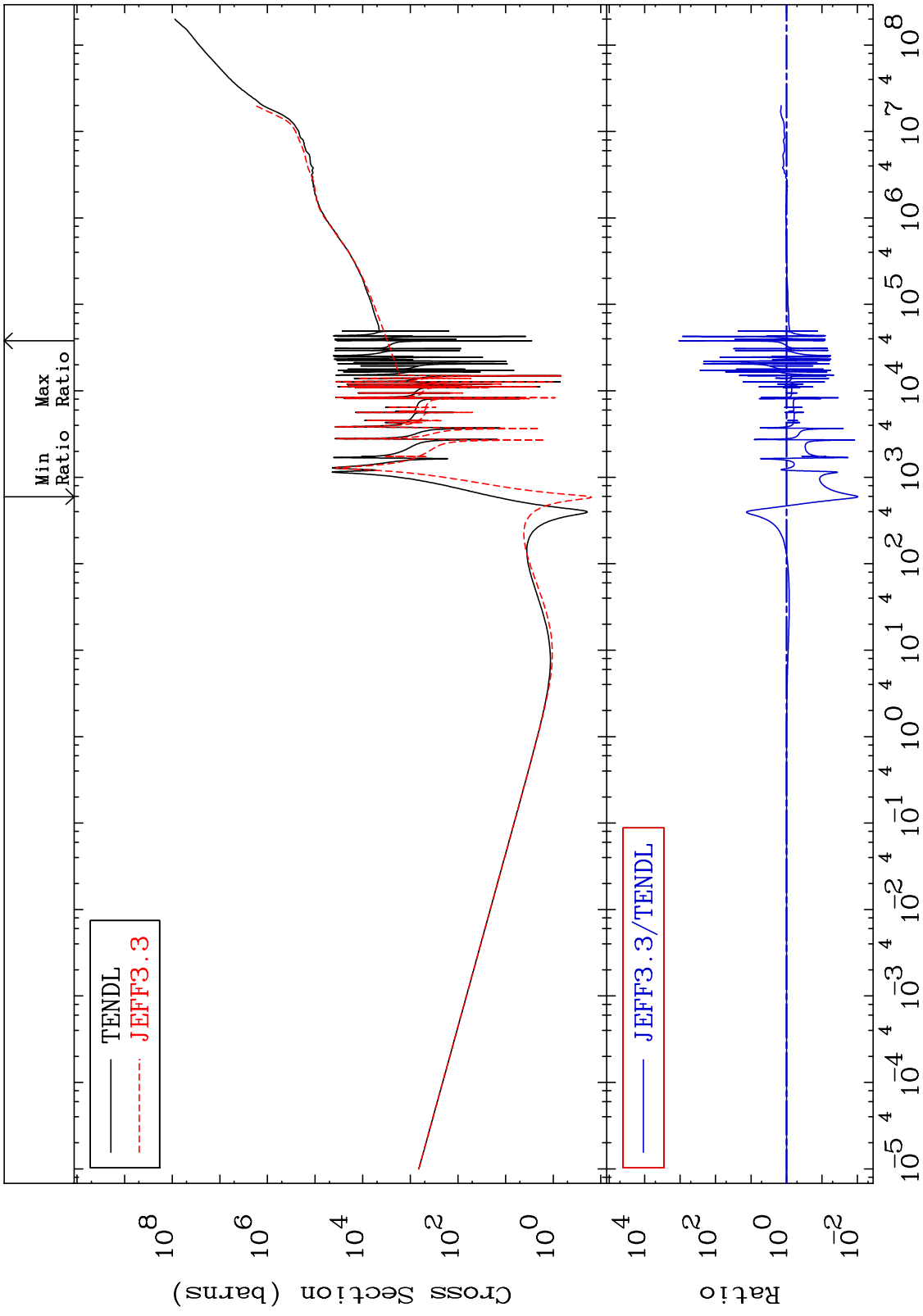


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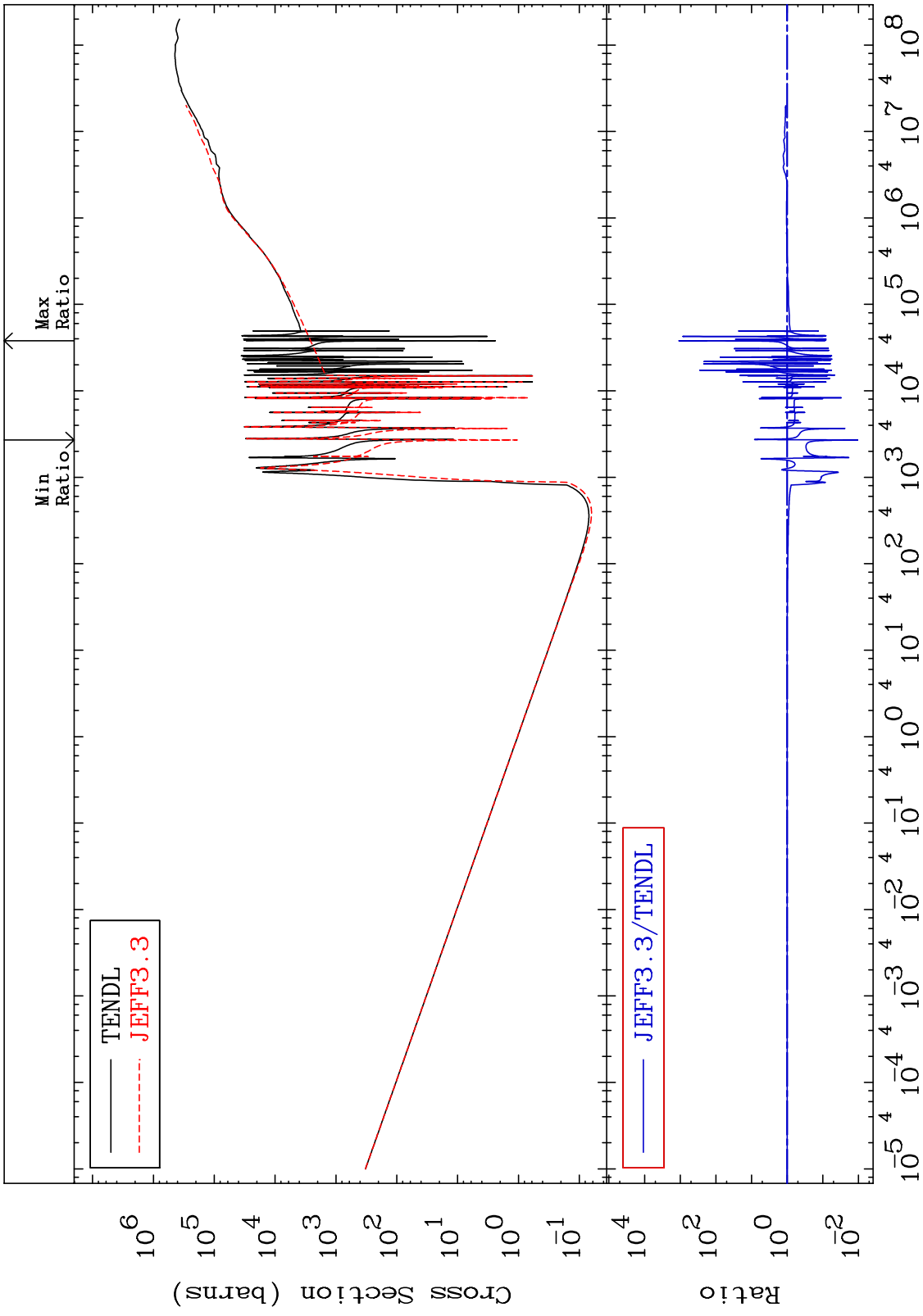
Incident Energy (eV)

58-Ce-142

MAT 5843      Total kinematic kerma (high limit)      58-Ce-142  
 Cross Section      -99.03 To 9999. %



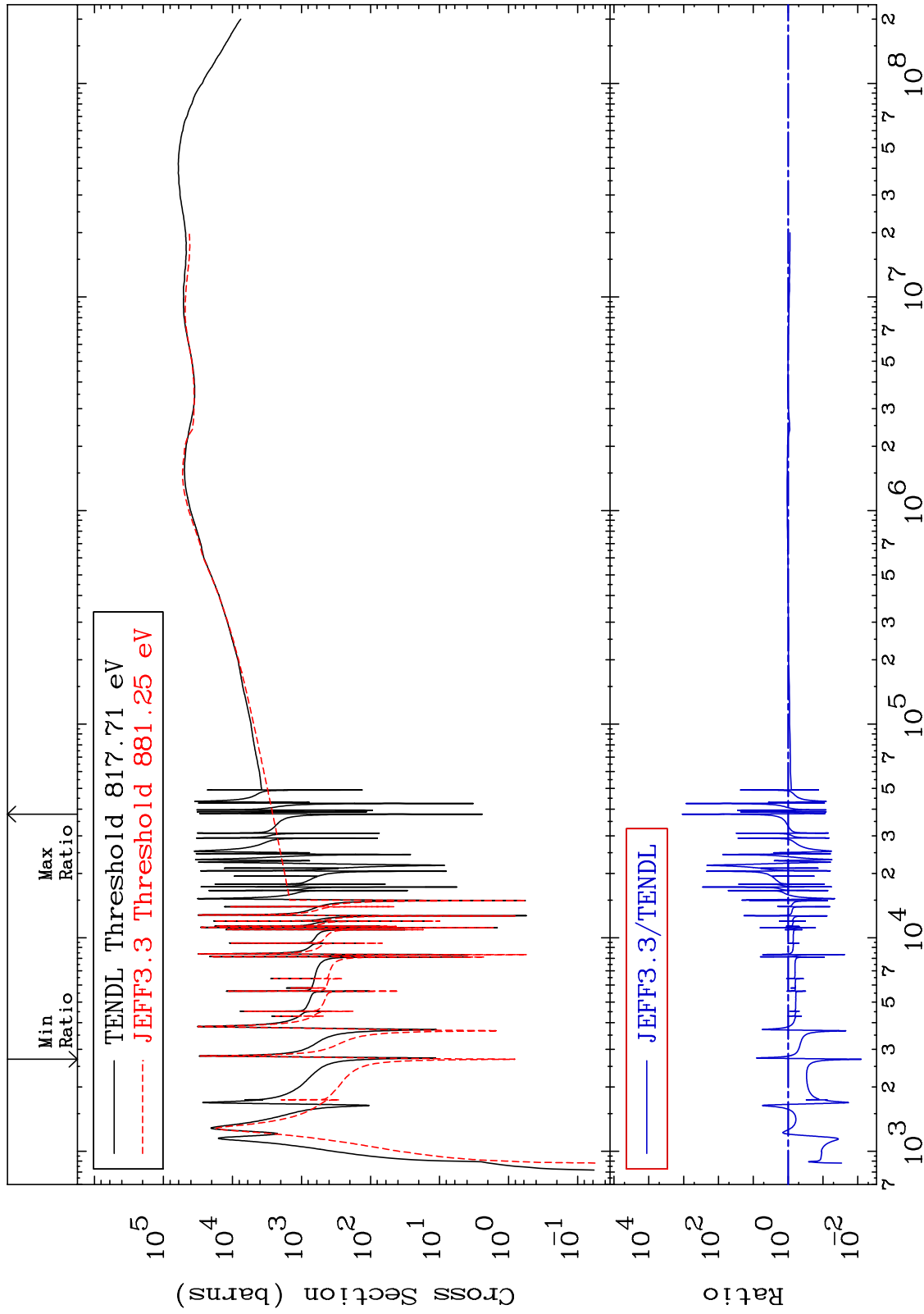
MAT 5843      Dpa total (eV-barns)      58-Ce-142  
 Cross Section      -98.96 To 9999. %



MAT 5843

Dpa elastic (mt2)  
Cross Section

58-Ce-142  
-99.20 To 9999. %

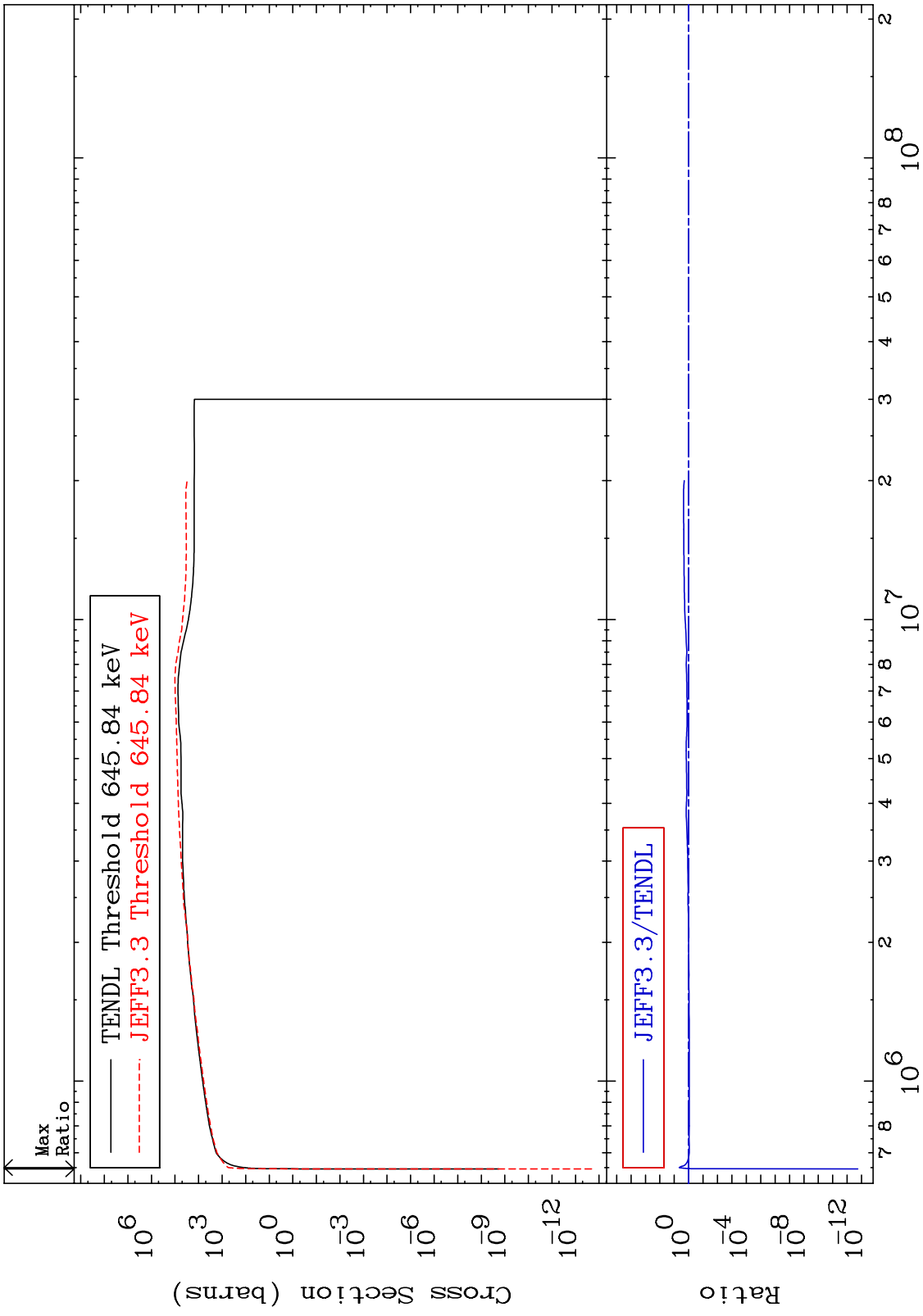


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Incident Energy (eV)

58-Ce-142

MAT 5843      Dpa inelastic (mt51-91)      58-Ce-142  
 Cross Section      -100.0 To 364.4 %



MAT 5843

Dpa disappearance (mt102 -120)  
Cross Section

58-Ce-142  
-99.43 To 9999. %

