

Program Complot  
(Version 2018-1)

by

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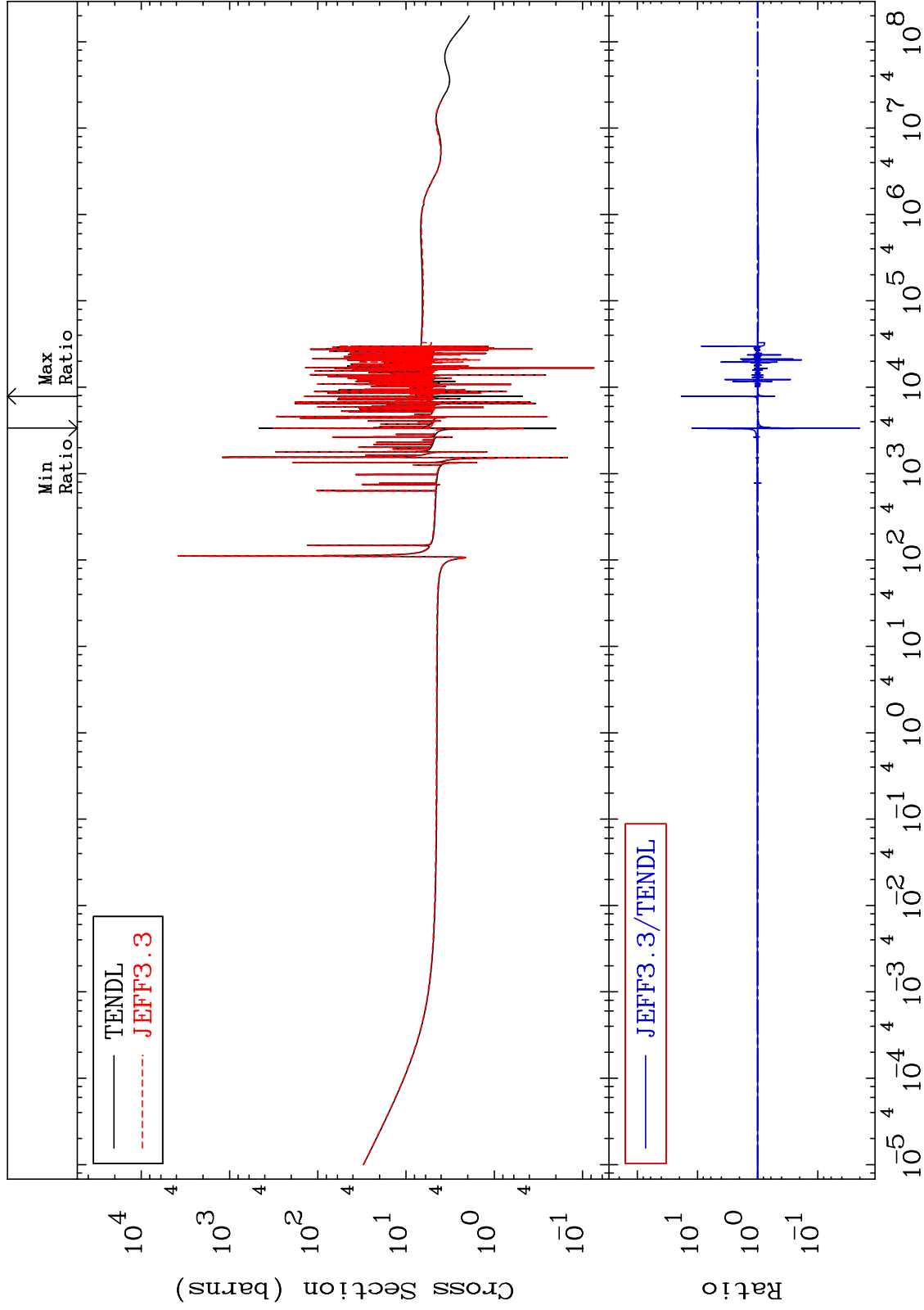
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5037

Total  
Cross Section

50-Sn-116  
-97.99 To 1760. %



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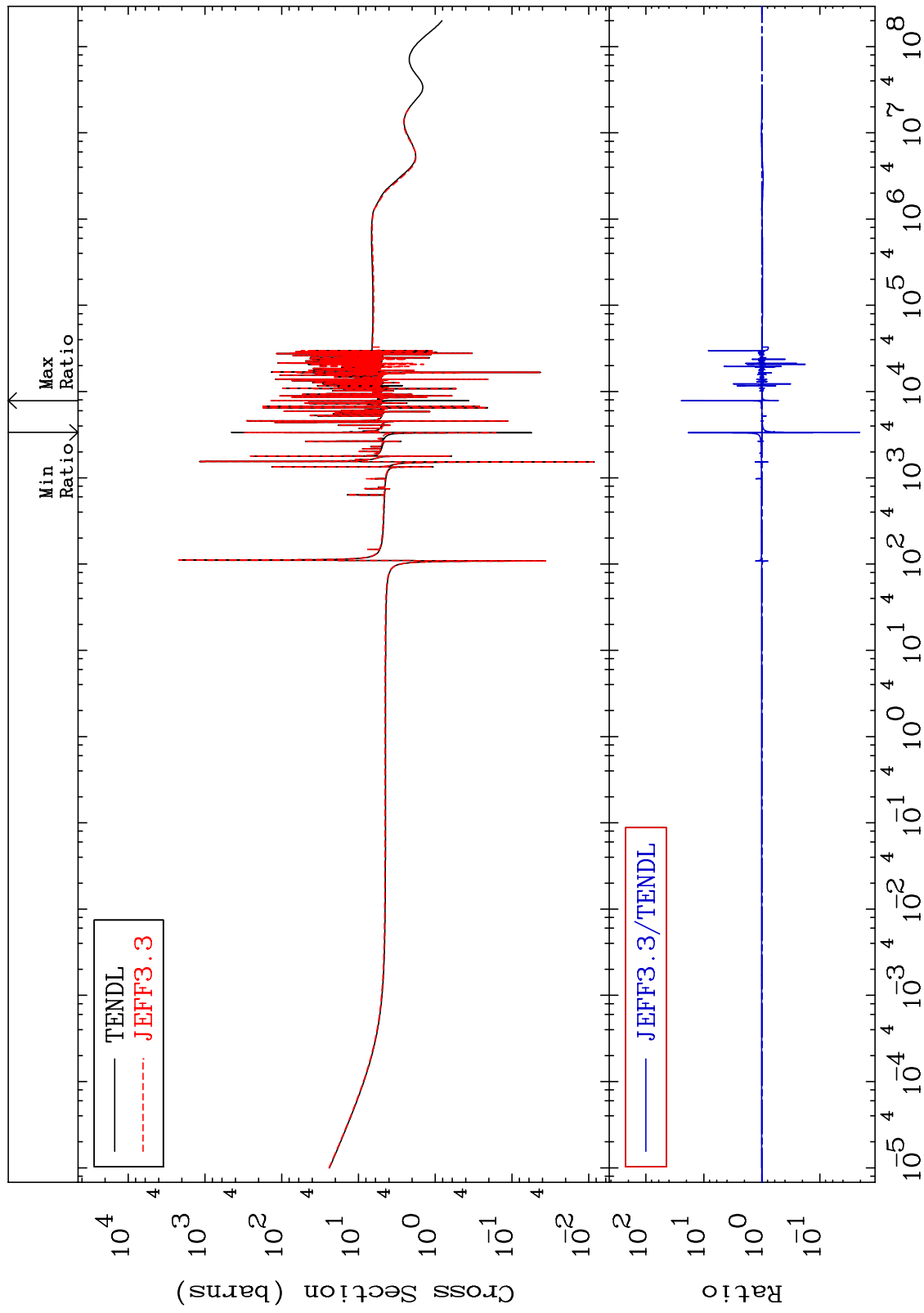
Incident Energy (eV)

50-Sn-116

MAT 5037

Elastic  
Cross Section

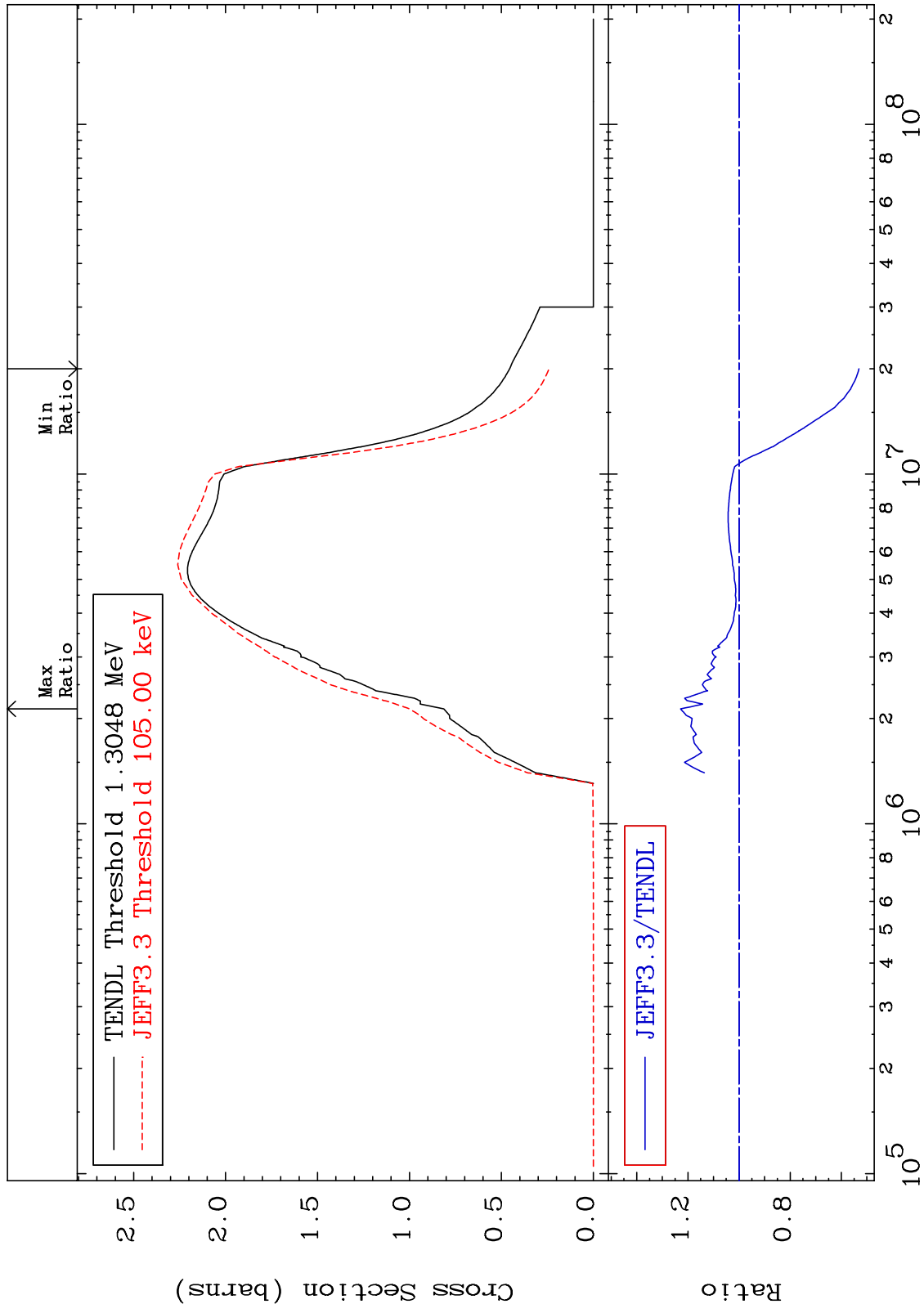
50-Sn-116  
-97.96 To 2338. %



MAT 5037

Inelastic  
Cross Section

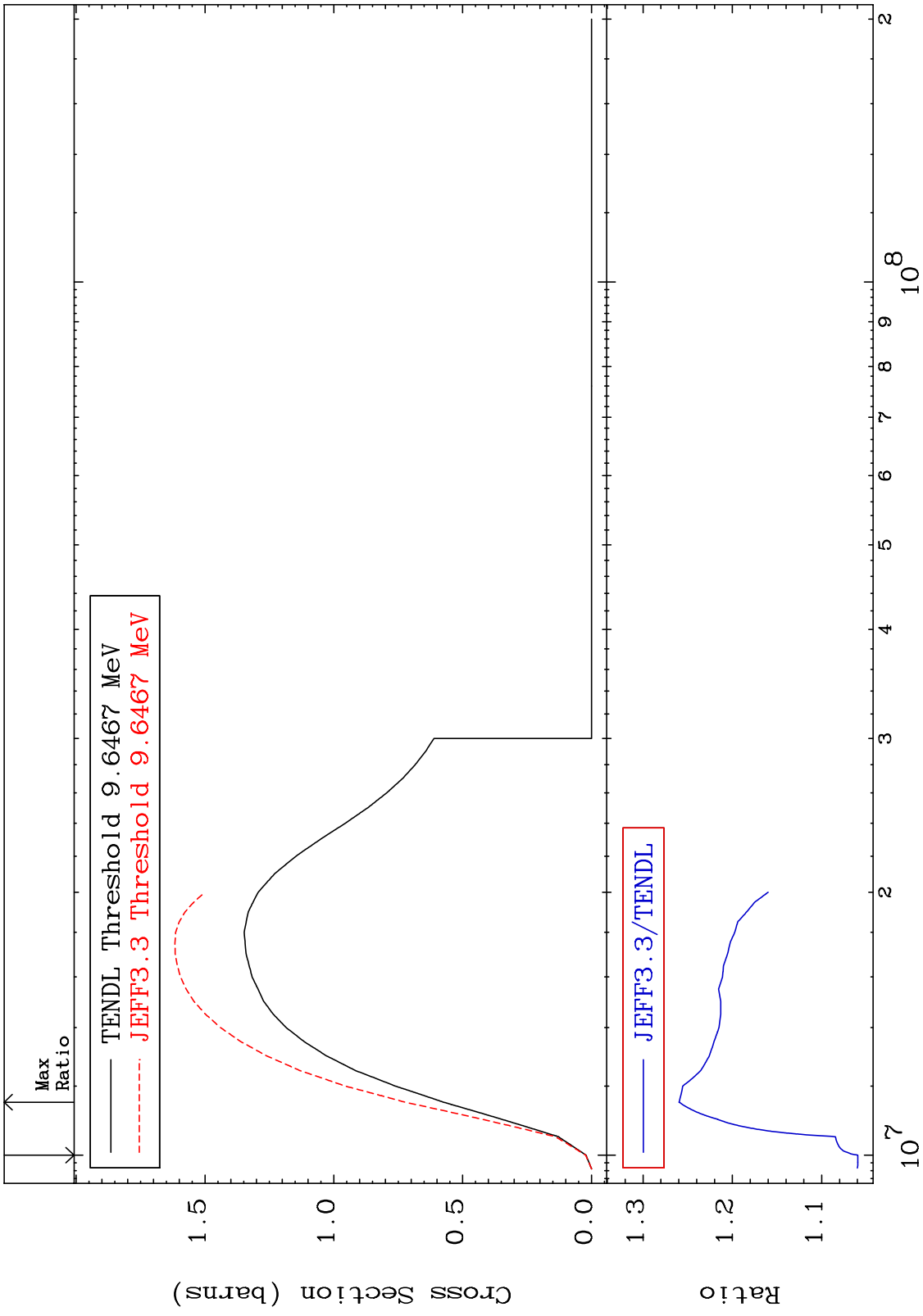
50-Sn-116  
-46.91 To 22.84 %



Incident Energy (eV)

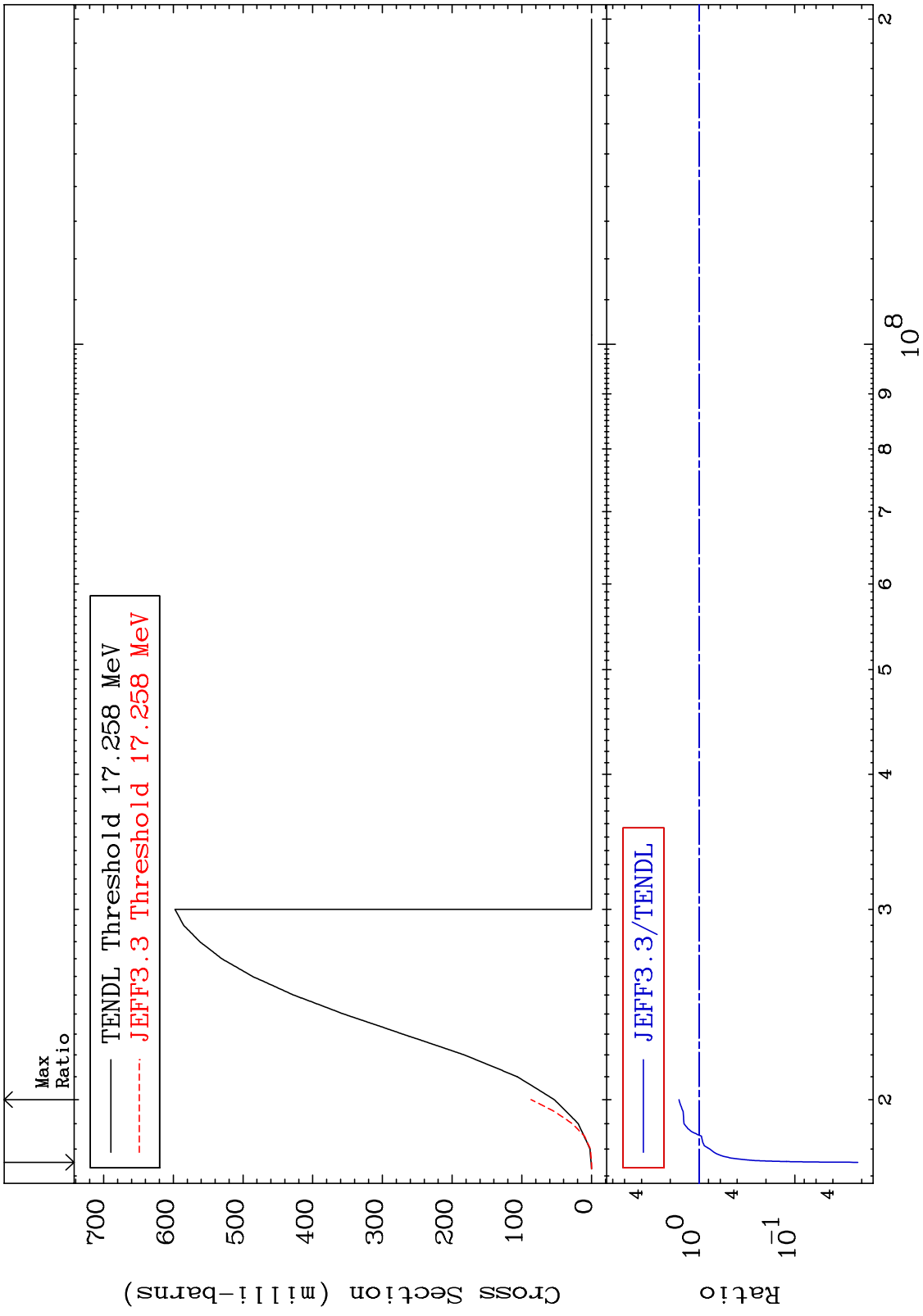
50-Sn-116

MAT 5037 (n,2n) Cross Section 50-Sn-116 To 25.97 % 5.956

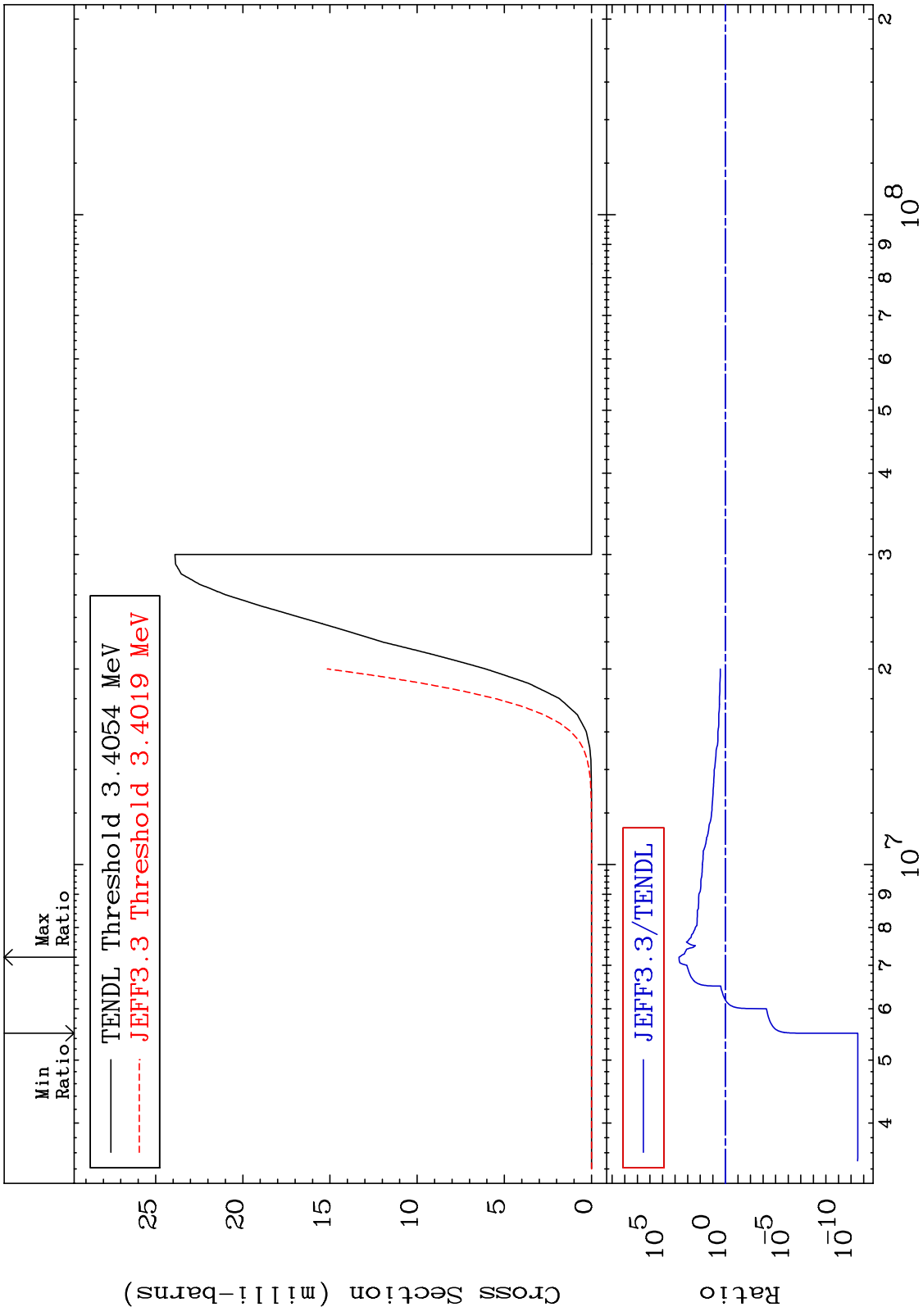


Incident Energy (eV) 50-Sn-116

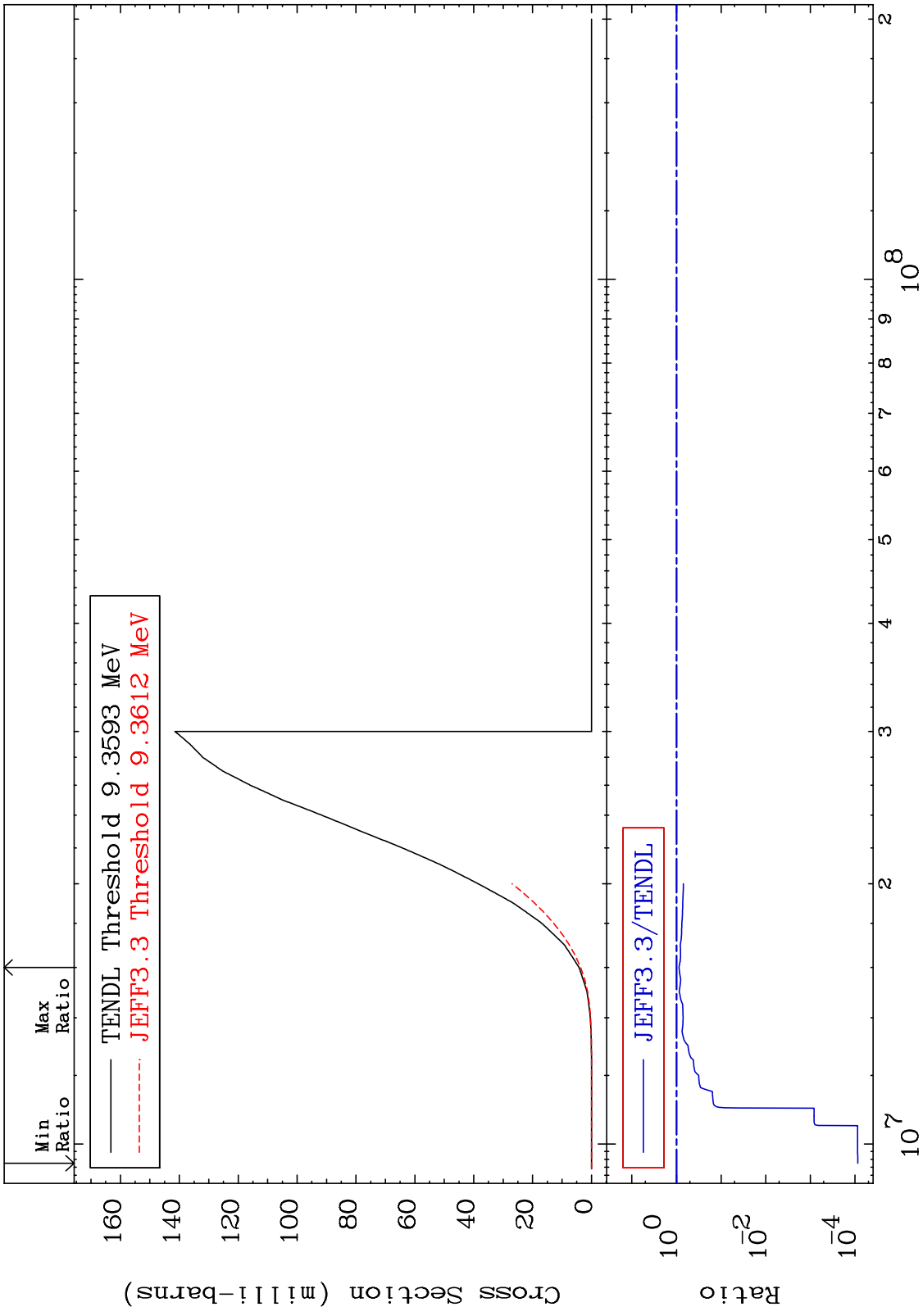
MAT 5037 (n,3n) Cross Section 50-Sn-116 -97.80 To 62.10 %



MAT 5037  $(n, n') \alpha$  50-Sn-116  
 Cross Section -100.0 To 9999. %



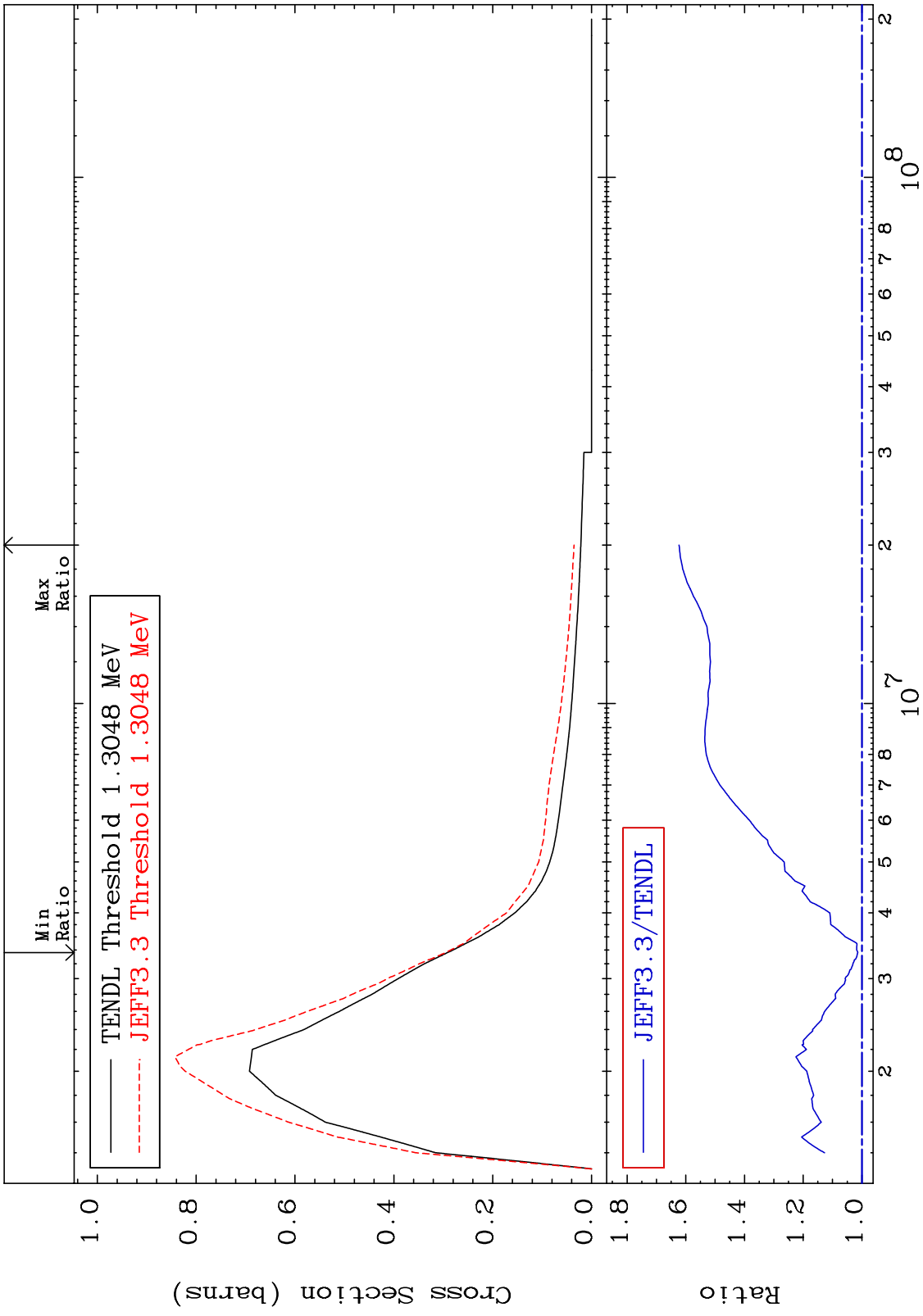
MAT 5037  $(n, n')$  p 50-Sn-116 -99.99 To -12.42%  
 Cross Section



Incident Energy (eV) 50-Sn-116



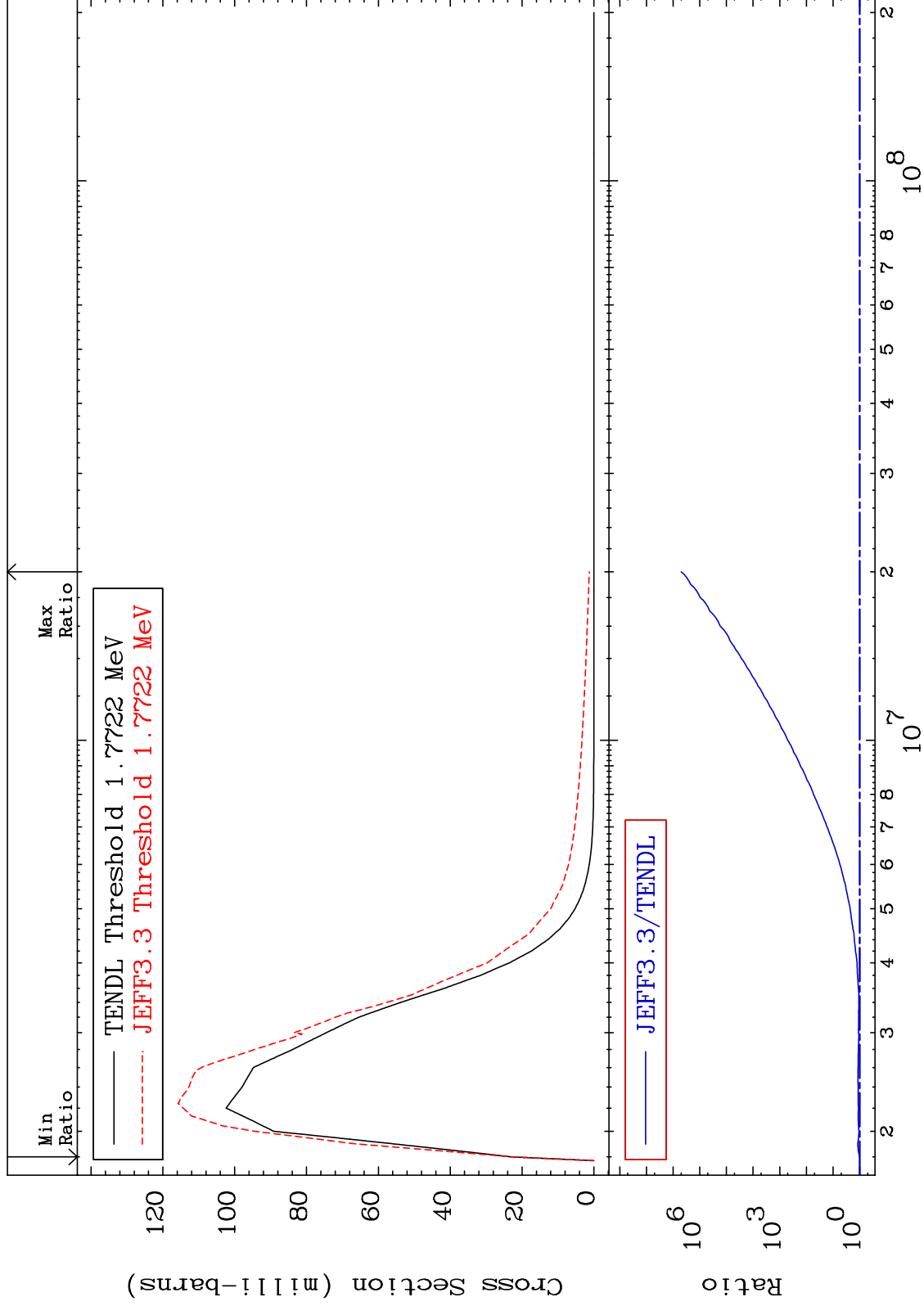
MAT 5037 MT= 51 (n,n') Level Cross Section 50-Sn-116 1.376 To 62.29 %



MAT 5037

MT= 52 (n,n') Level  
Cross Section

50-Sn-116  
-0.345 To 9999. %

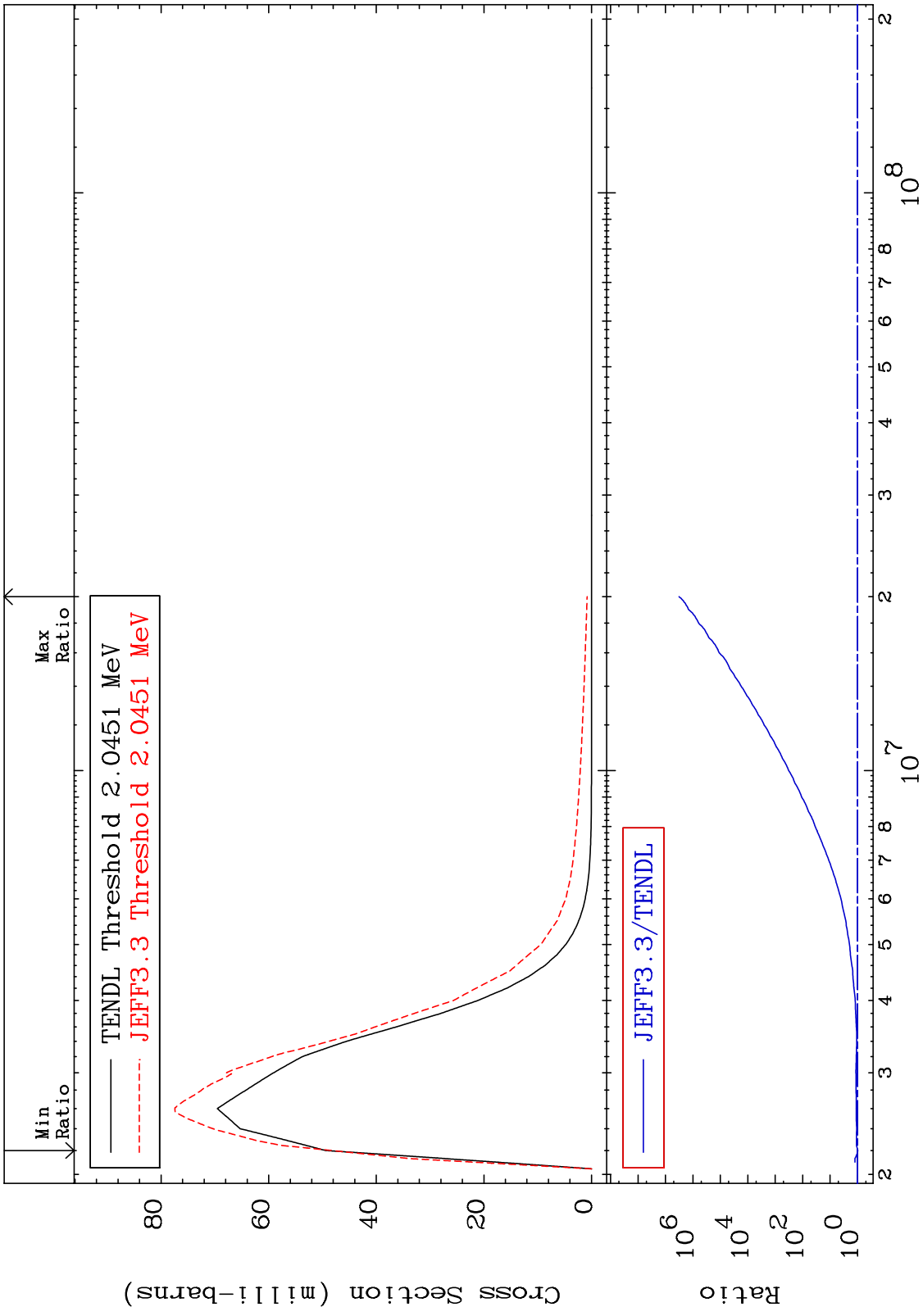


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Incident Energy (eV)

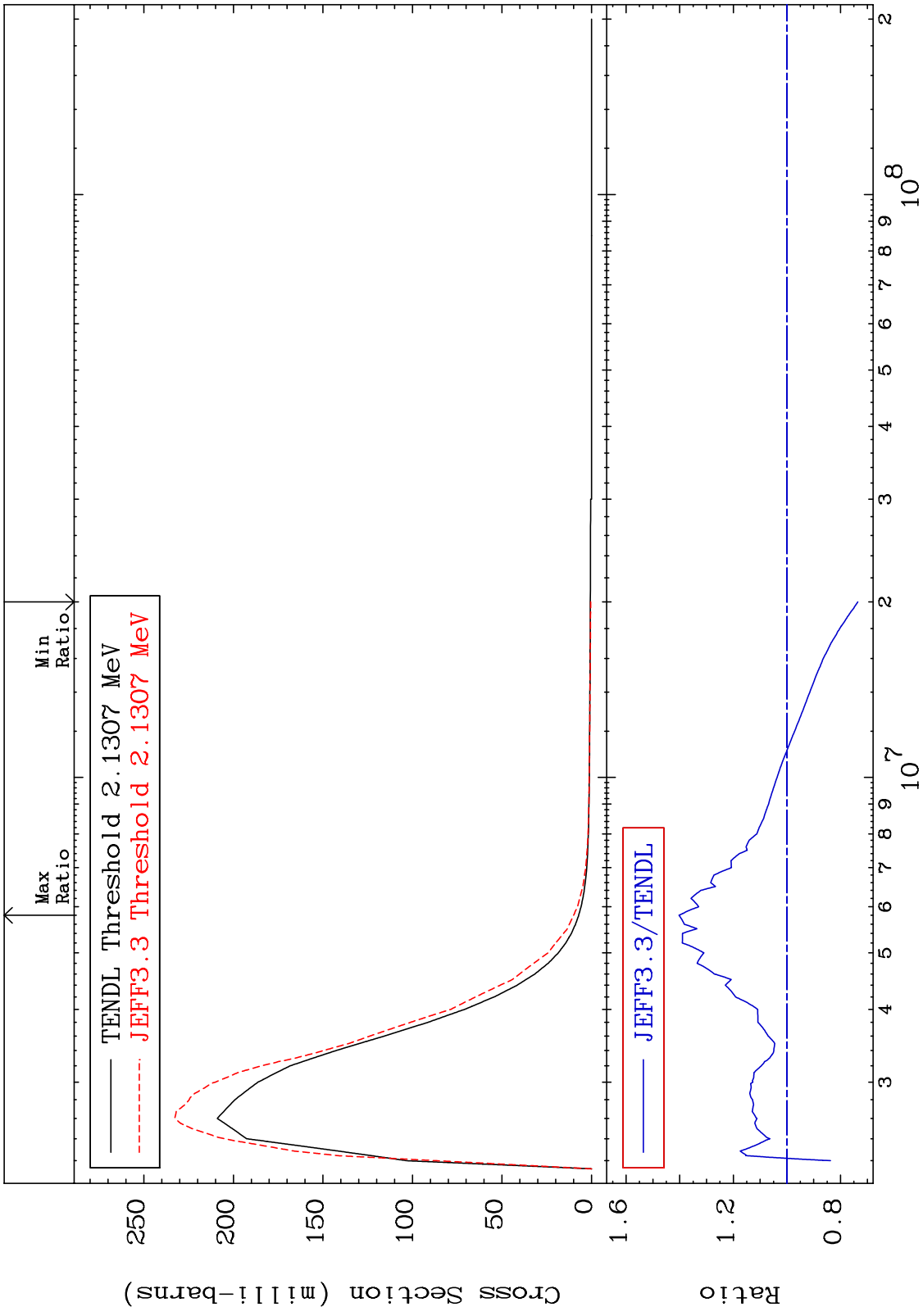
50-Sn-116

MAT 5037 MT= 53 (n,n') Level Cross Section 50-Sn-116 -2.364 To 9999. %

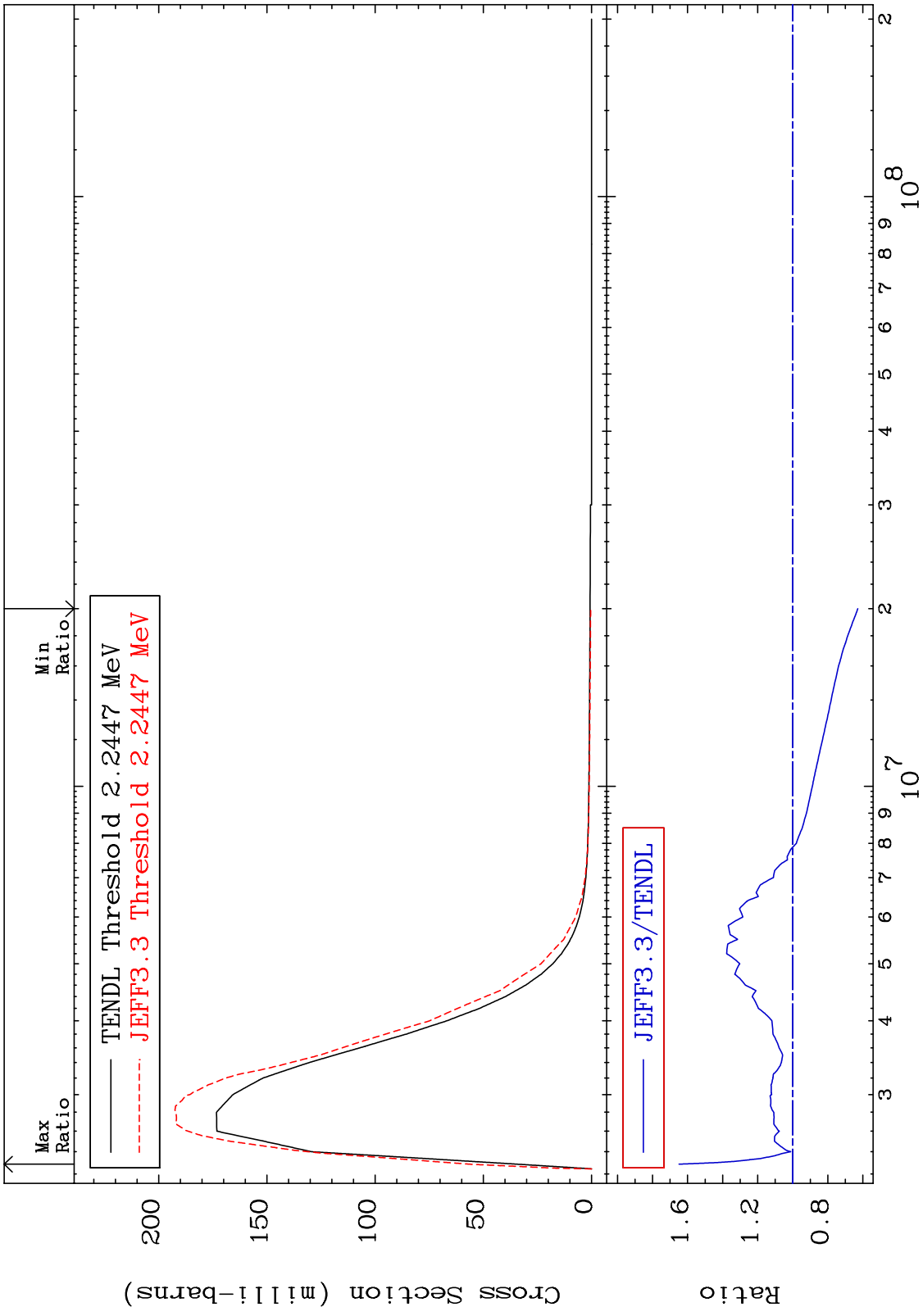


10 50-Sn-116

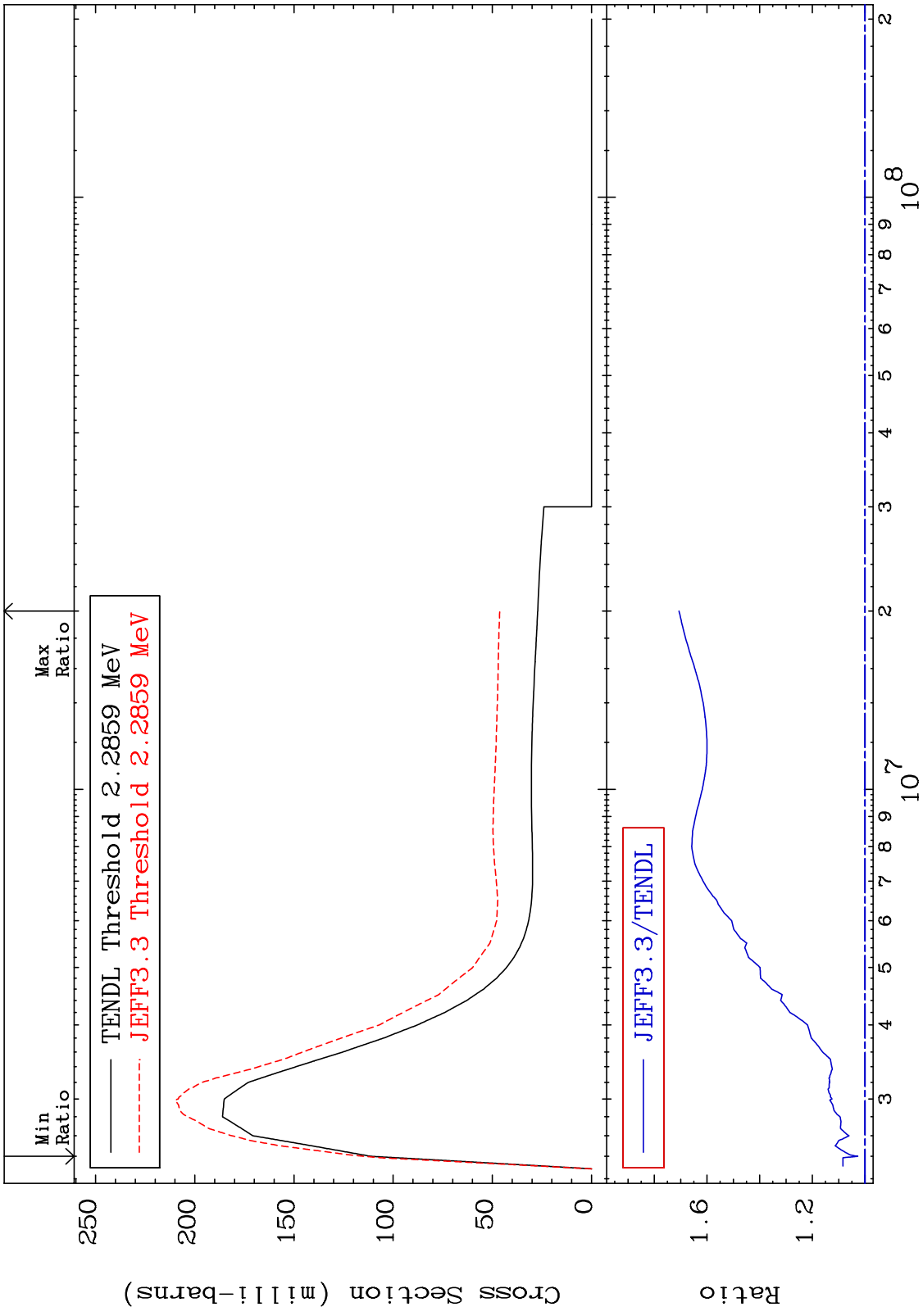
MAT 5037 MT= 54 (n,n') Level Cross Section 50-Sn-116  
 -26.45 To 40.24 %



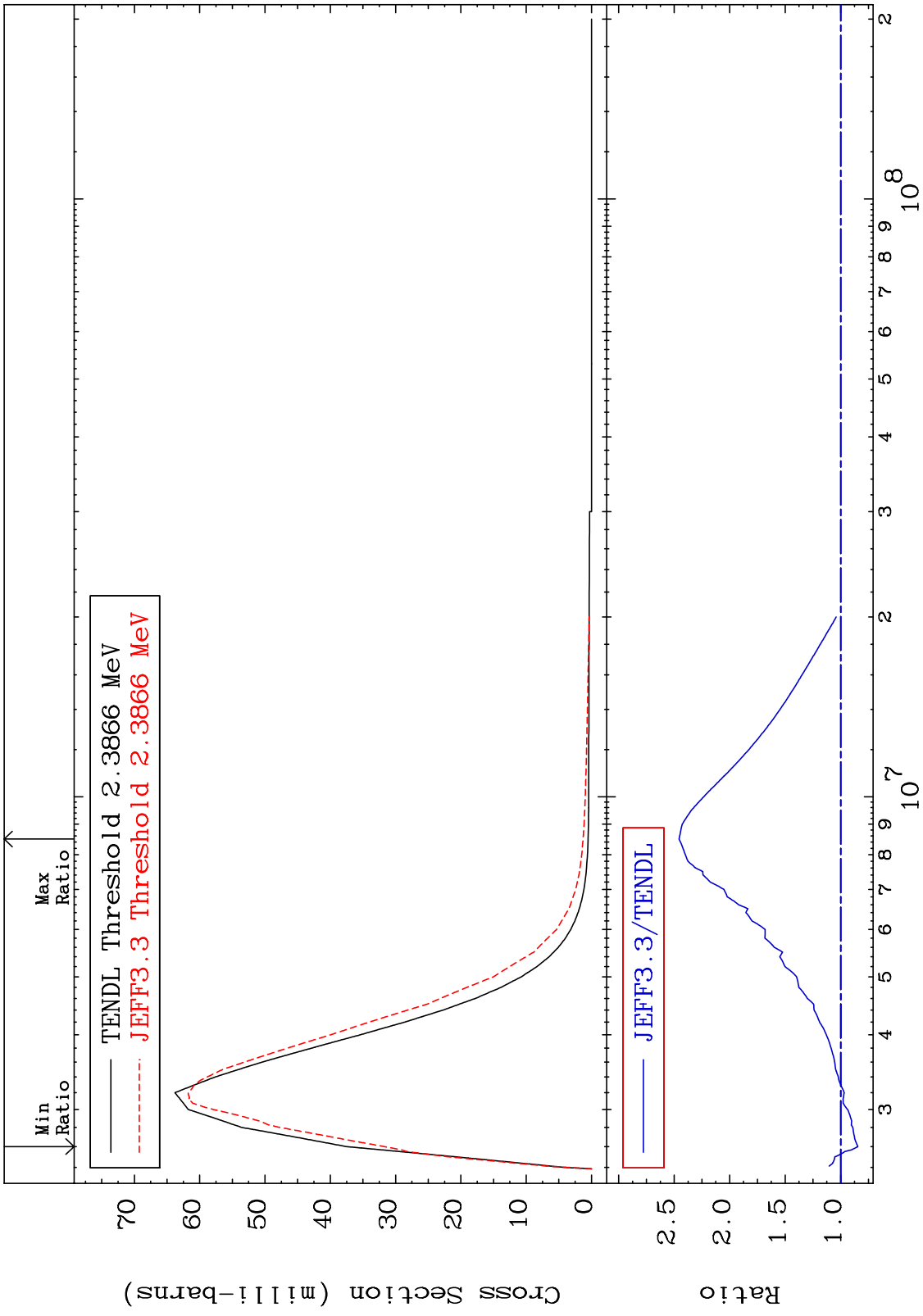
MAT 5037 MT= 55 (n,n') Level Cross Section 50-Sn-116  
 -37.14 To 64.87 %



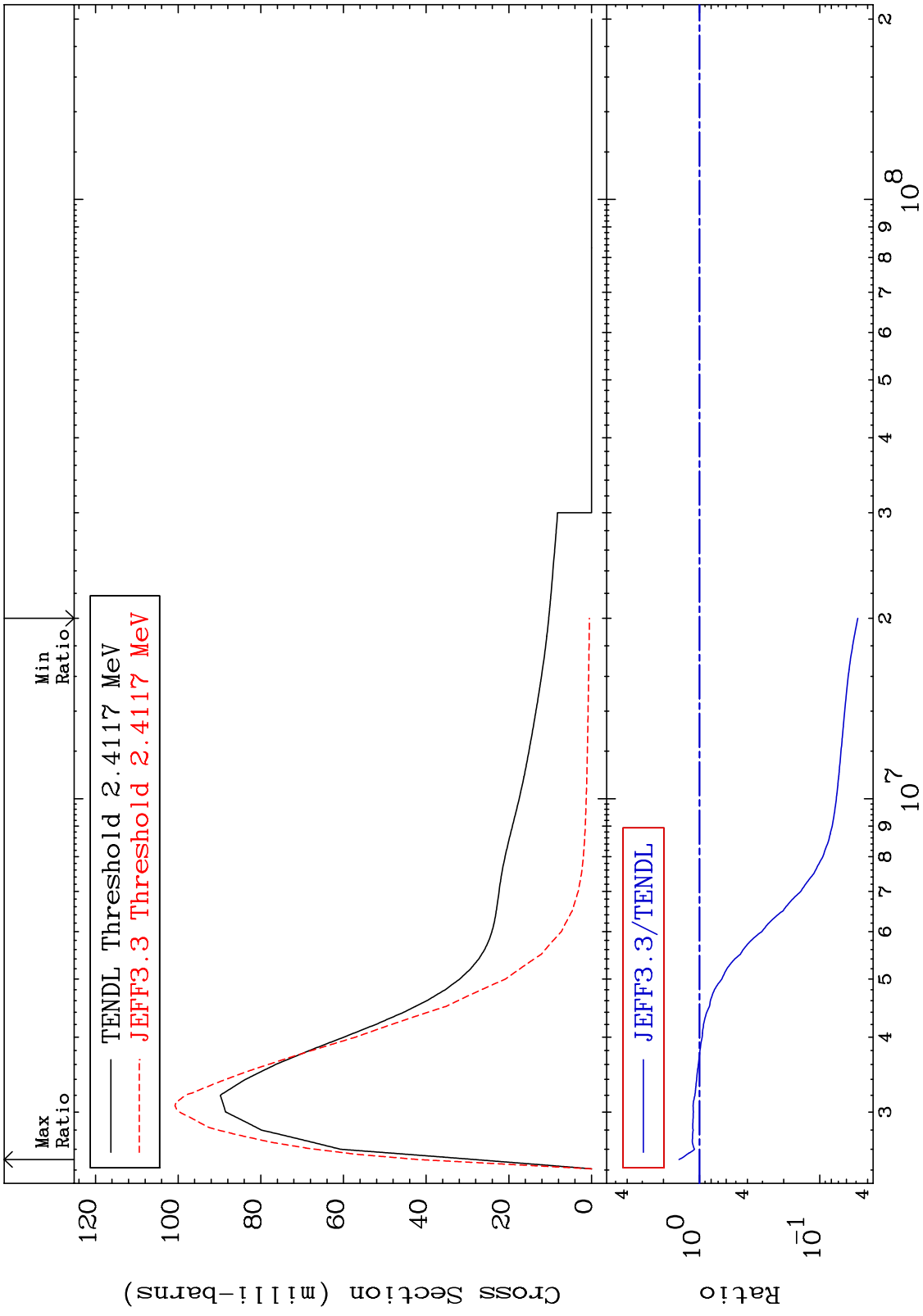
MAT 5037 MT= 56 (n,n') Level Cross Section 50-Sn-116 To 70.60 %



MAT 5037 MT= 57 (n,n') Level Cross Section 50-Sn-116  
 -15.48 To 145.6 %

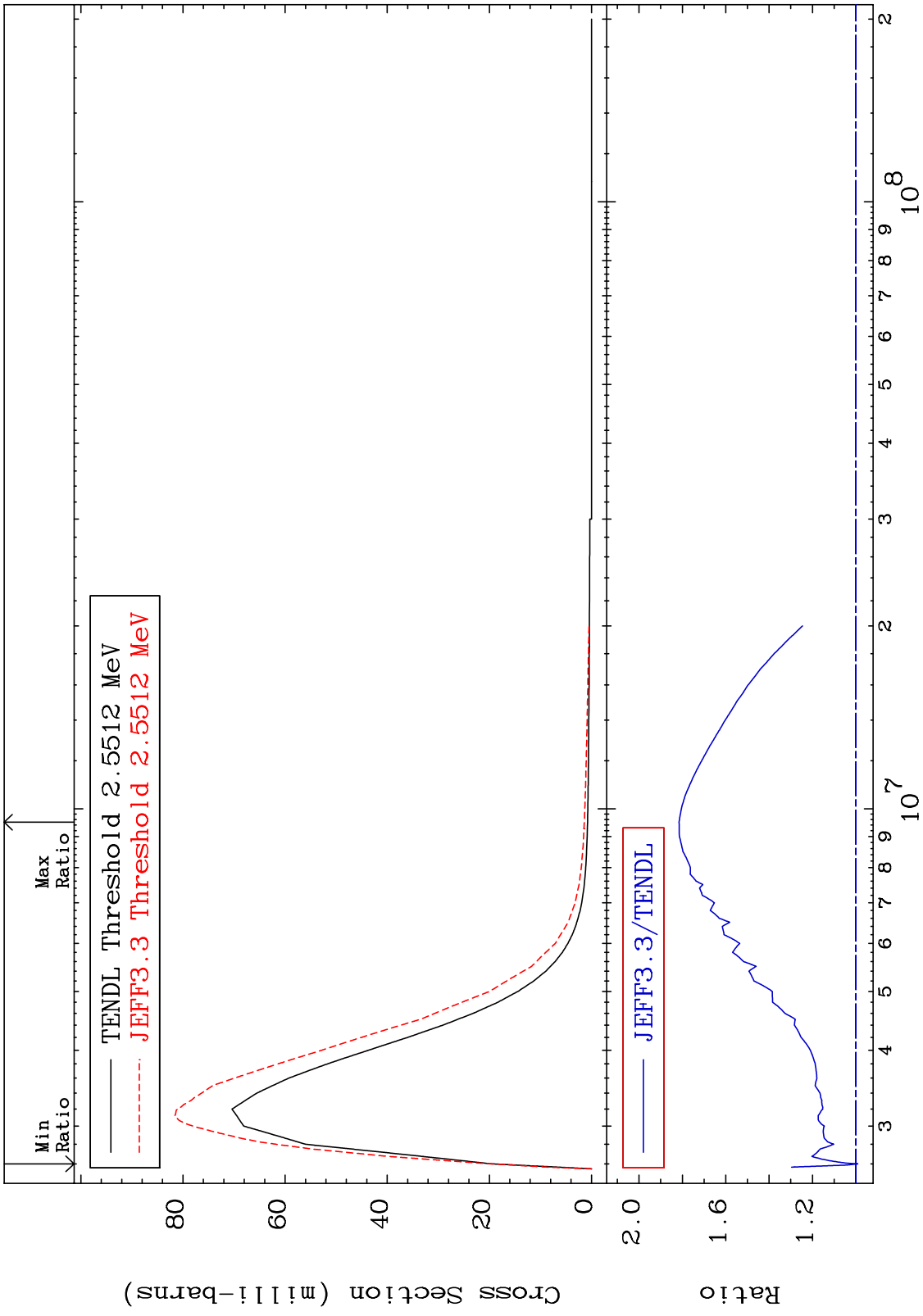


MAT 5037 MT= 58 (n,n') Level Cross Section 50-Sn-116 -95.18 To 48.12 %

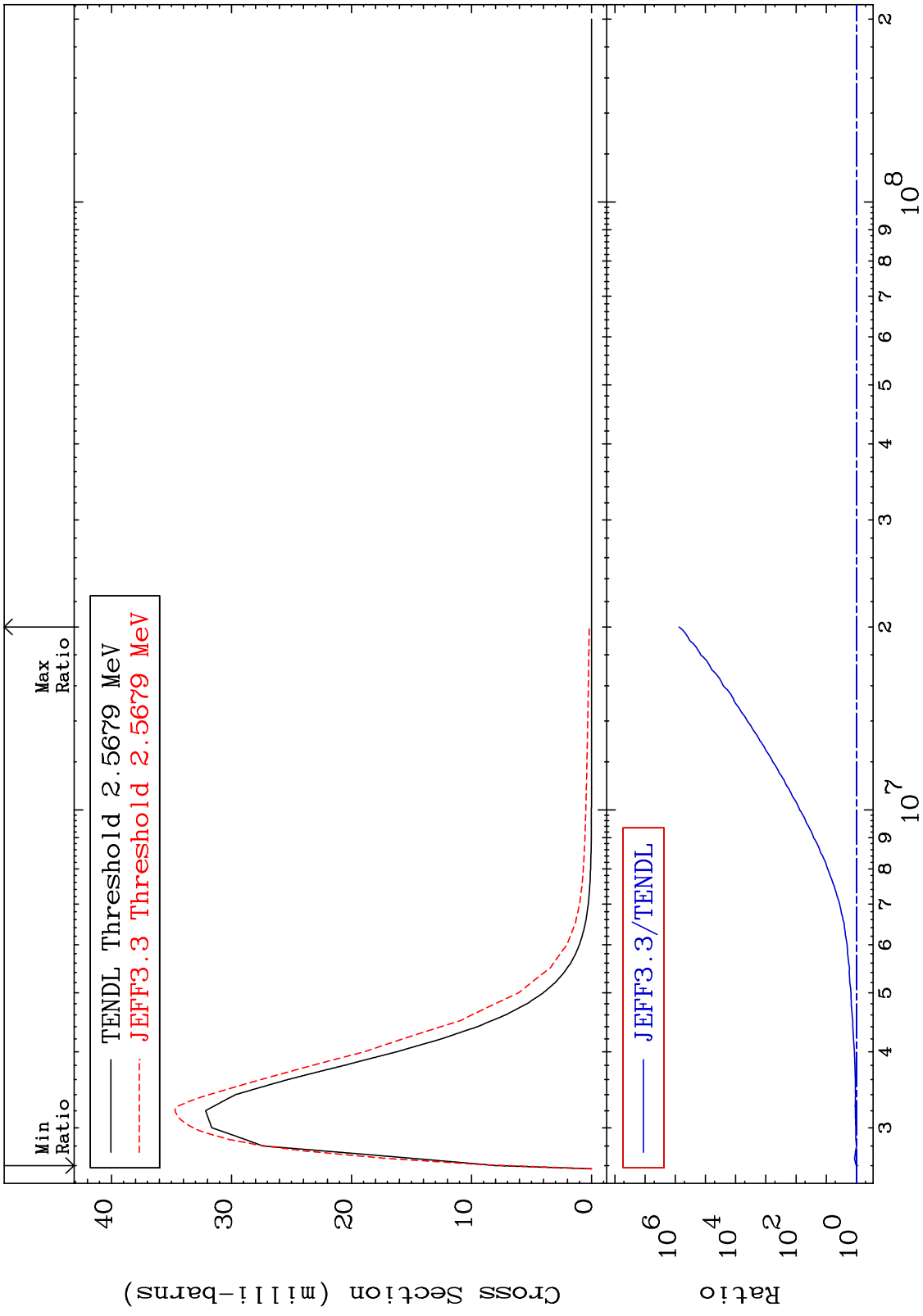




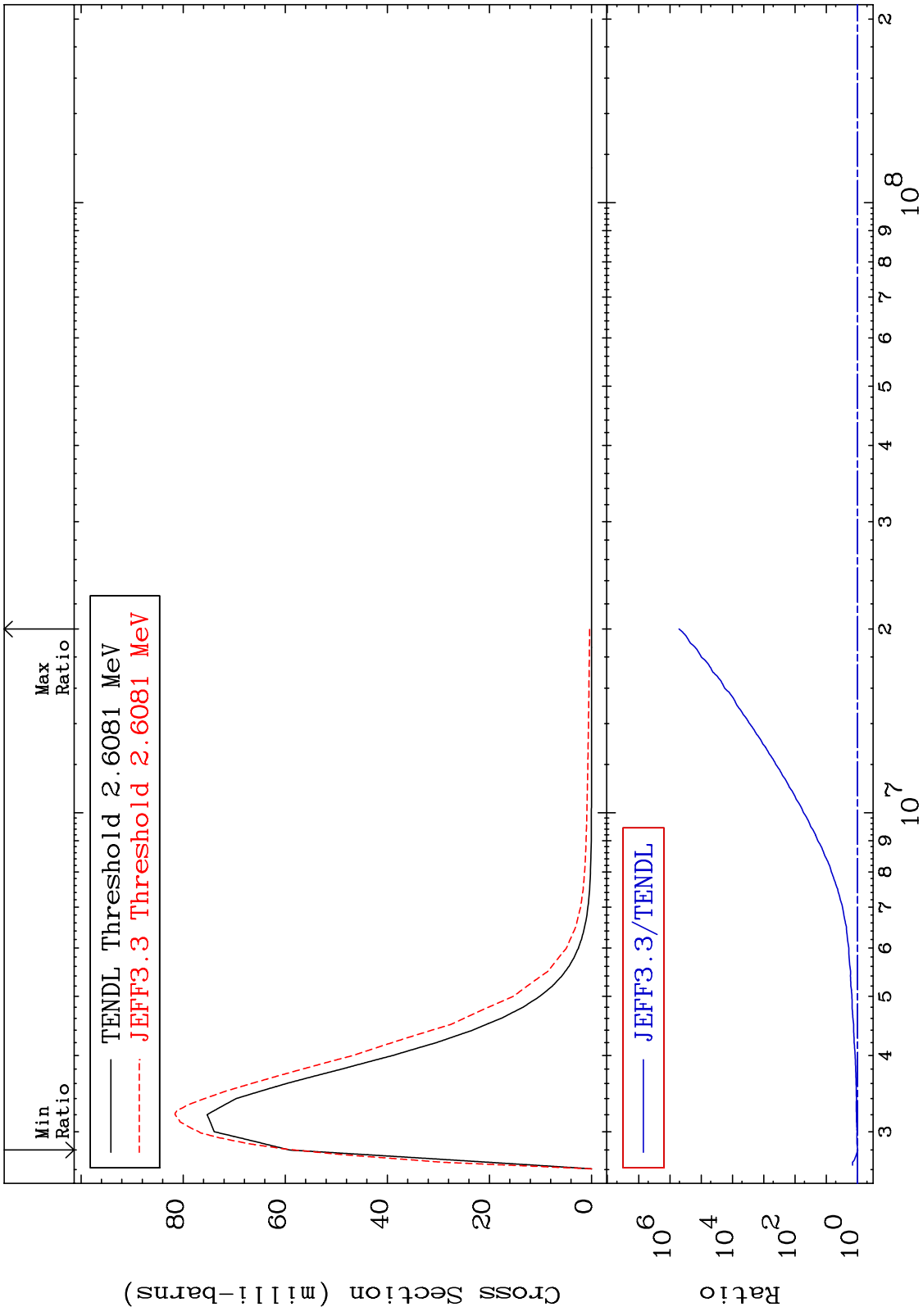
MAT 5037 MT= 59 (n,n') Level Cross Section 50-Sn-116  
 -0.936 To 81.54 %



MAT 5037      MT= 60 (n,n') Level Cross Section      50-Sn-116  
 -10.09 To 9999. %



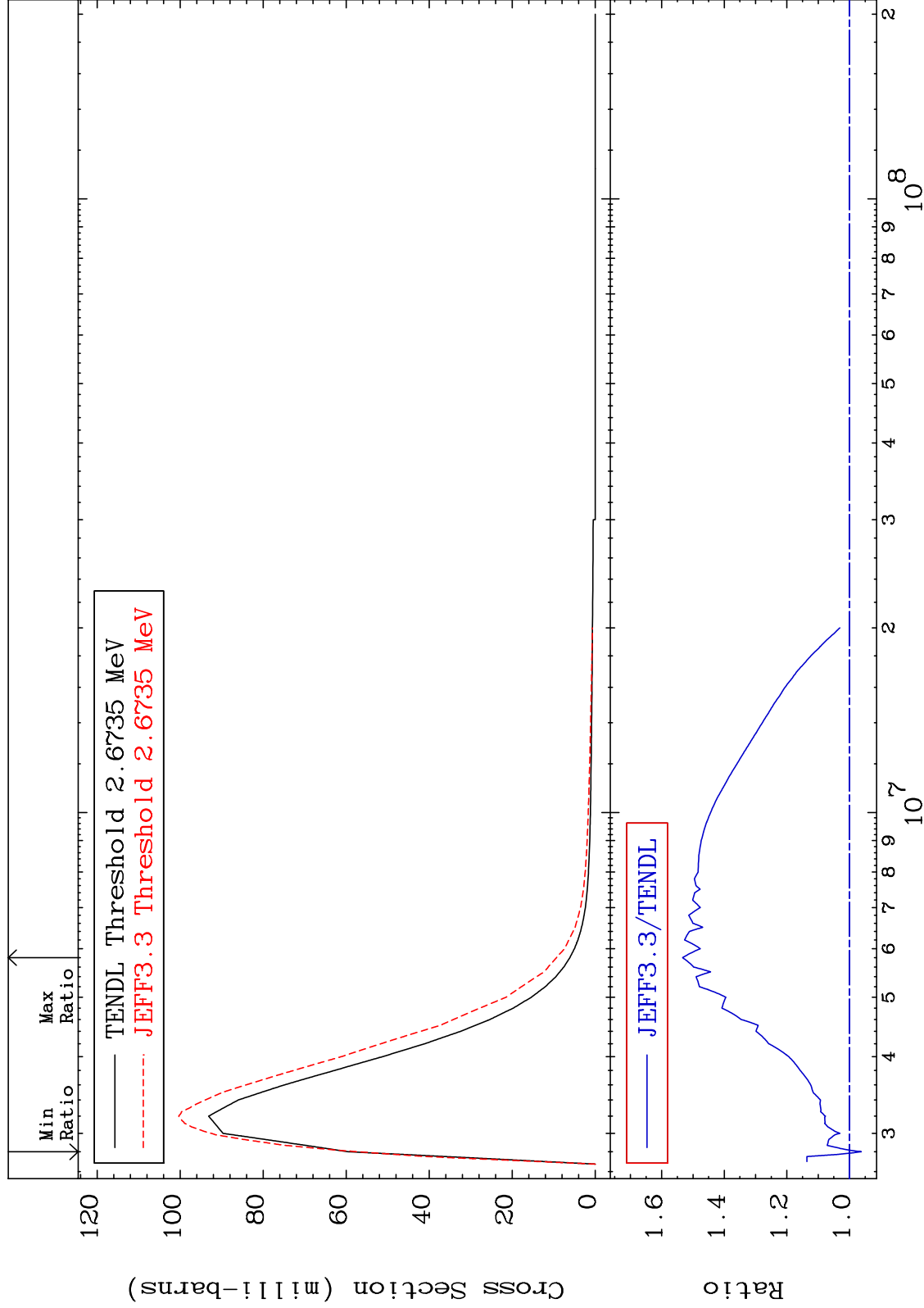
MAT 5037 MT= 61 (n,n') Level Cross Section 50-Sn-116  
 -1.799 To 9999. %



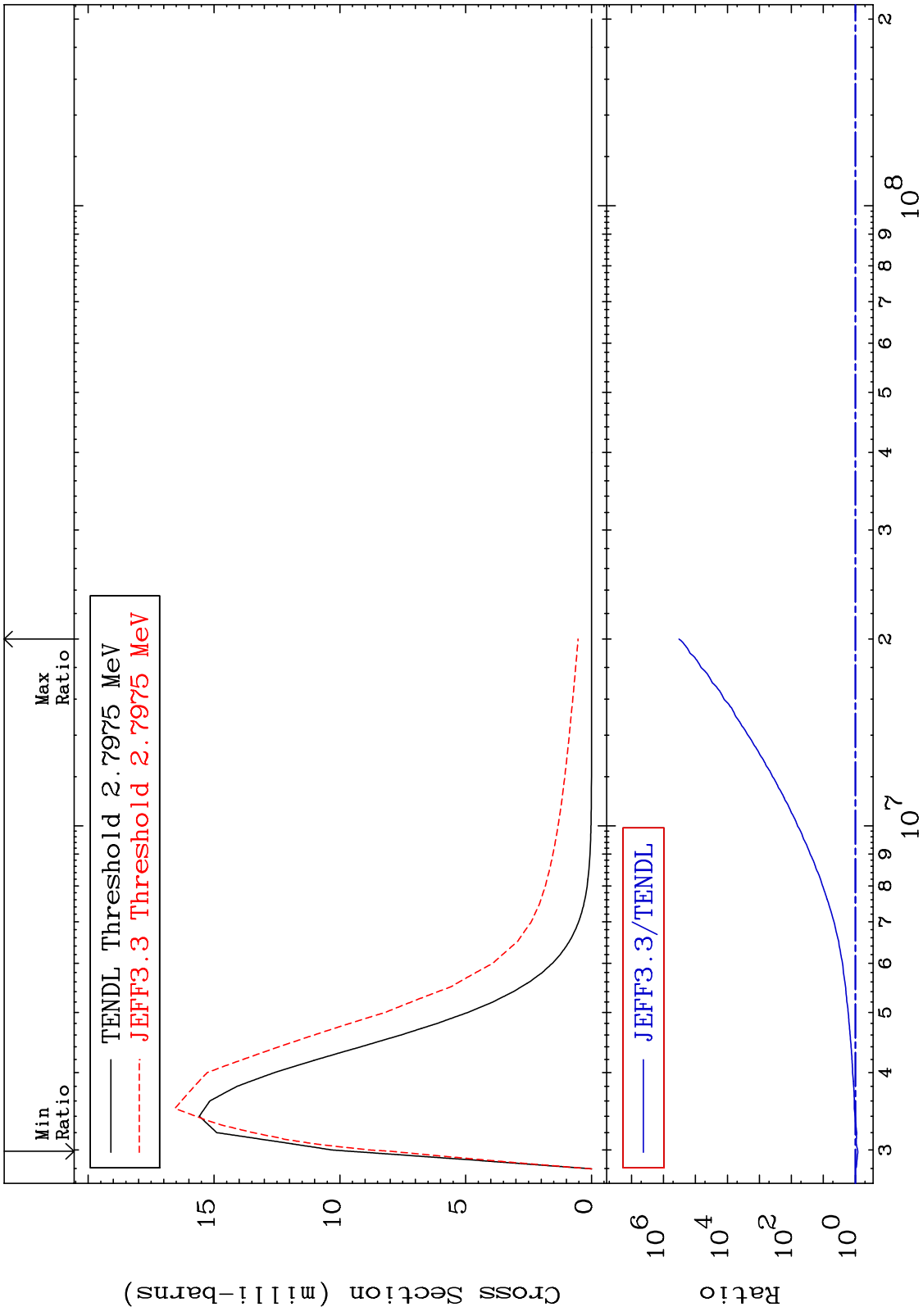
MAT 5037

MT= 62 (n,n') Level  
Cross Section

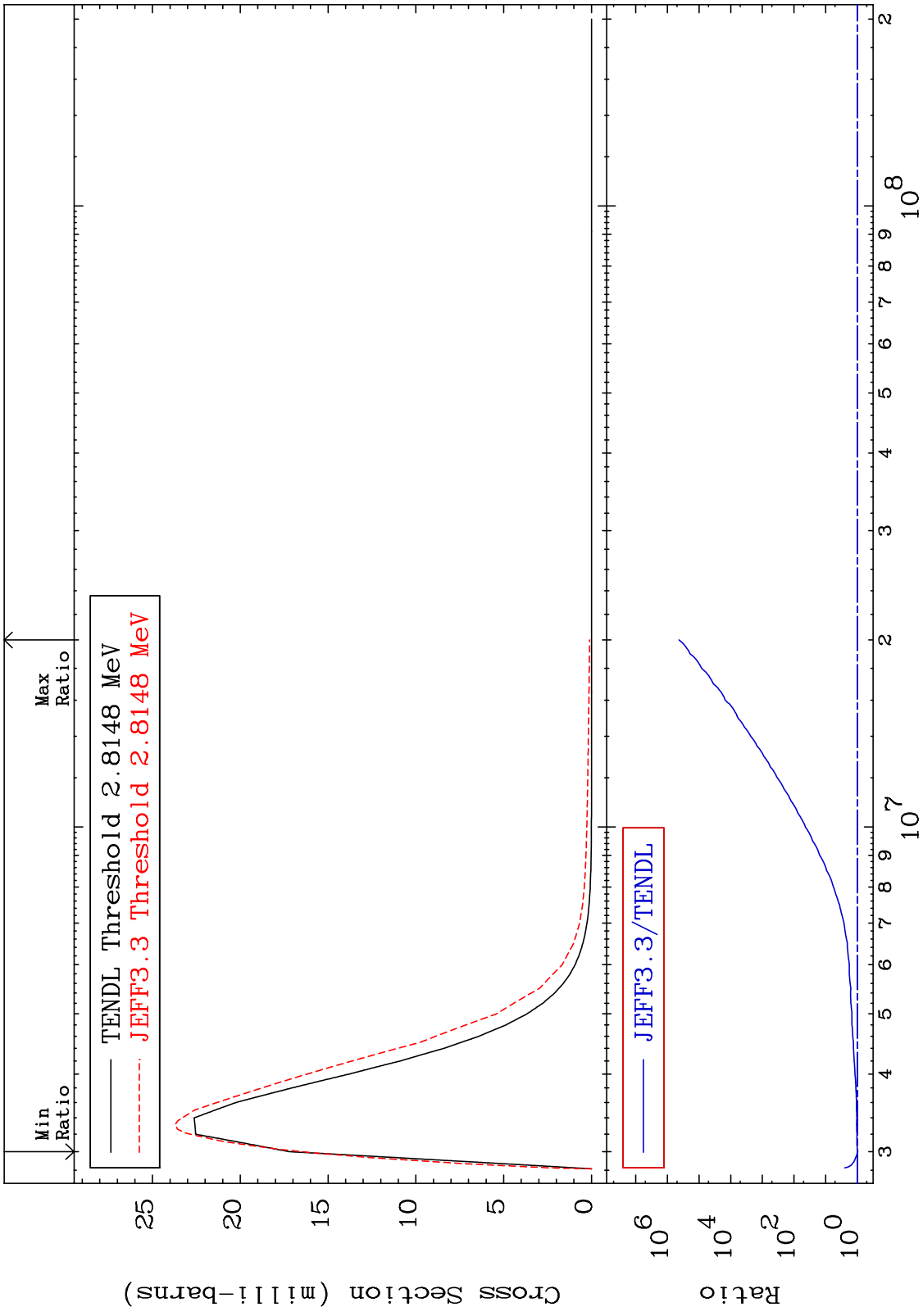
50-Sn-116  
-3.793 To 53.30 %



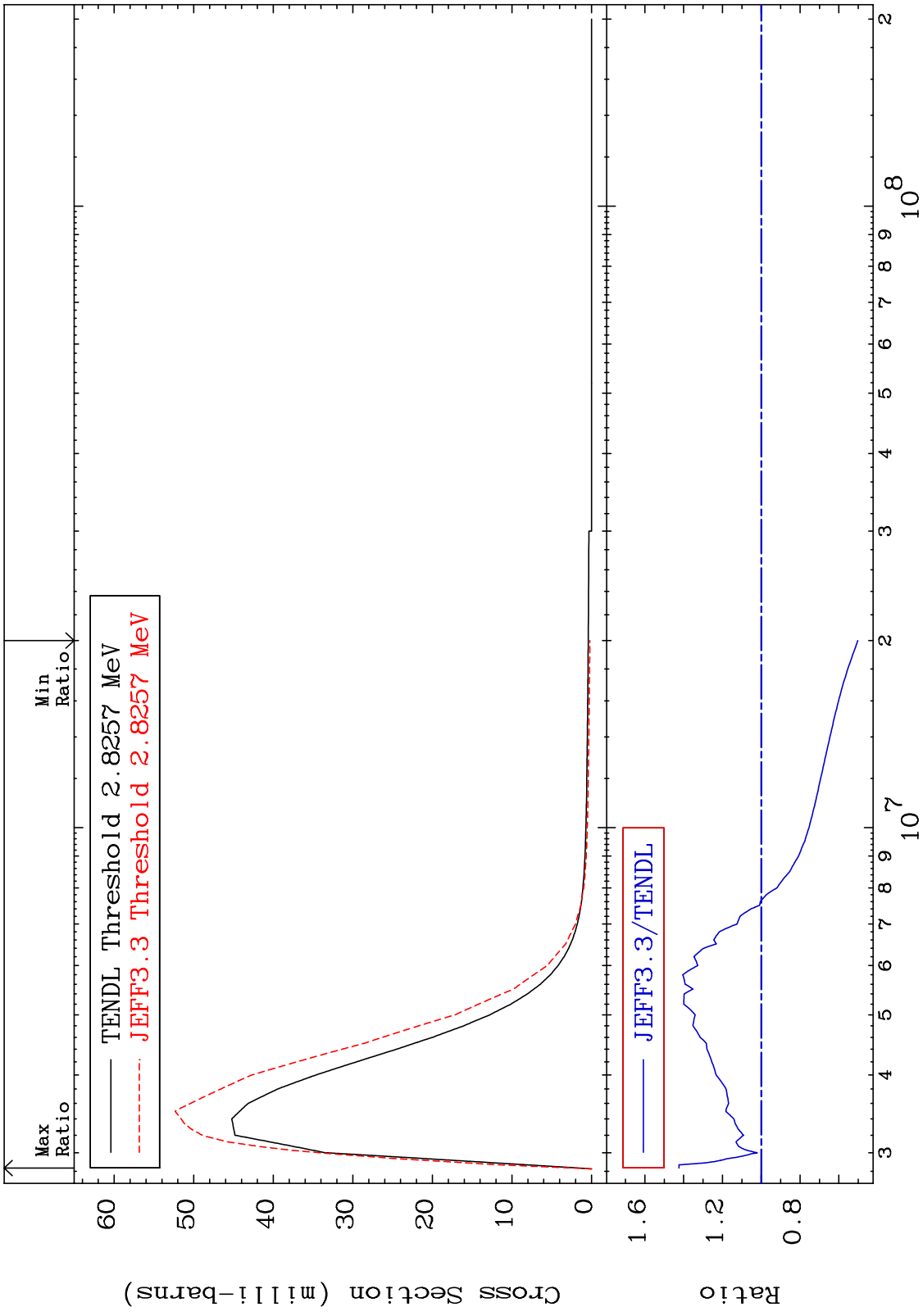
MAT 5037 MT= 63 (n,n') Level Cross Section 50-Sn-116  
 -16.71 To 9999. %



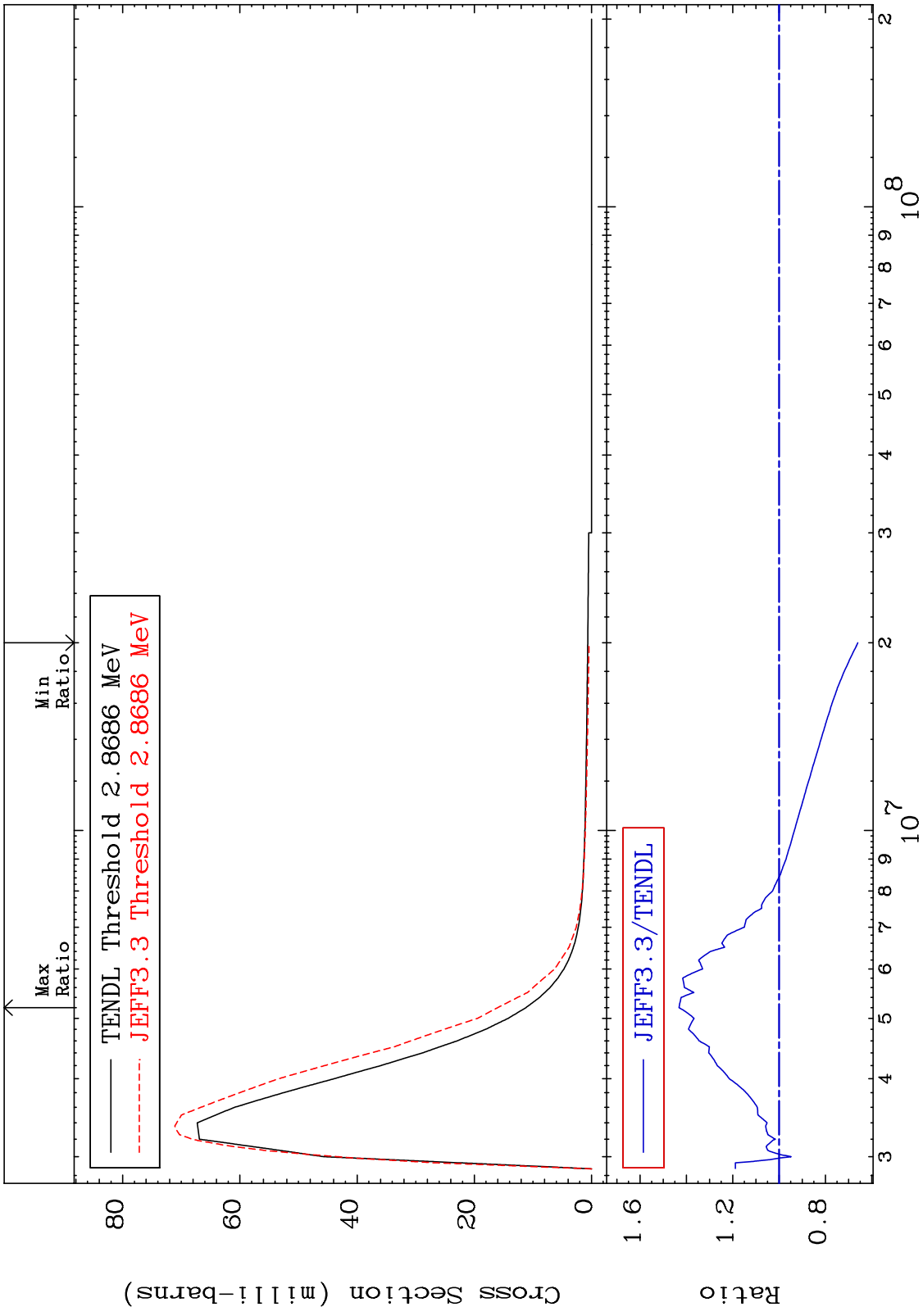
MAT 5037 MT= 64 (n,n') Level Cross Section 50-Sn-116  
 -4.179 To 9999. %



MAT 5037 MT= 65 (n,n') Level Cross Section 50-Sn-116  
 -49.78 To 42.37 %

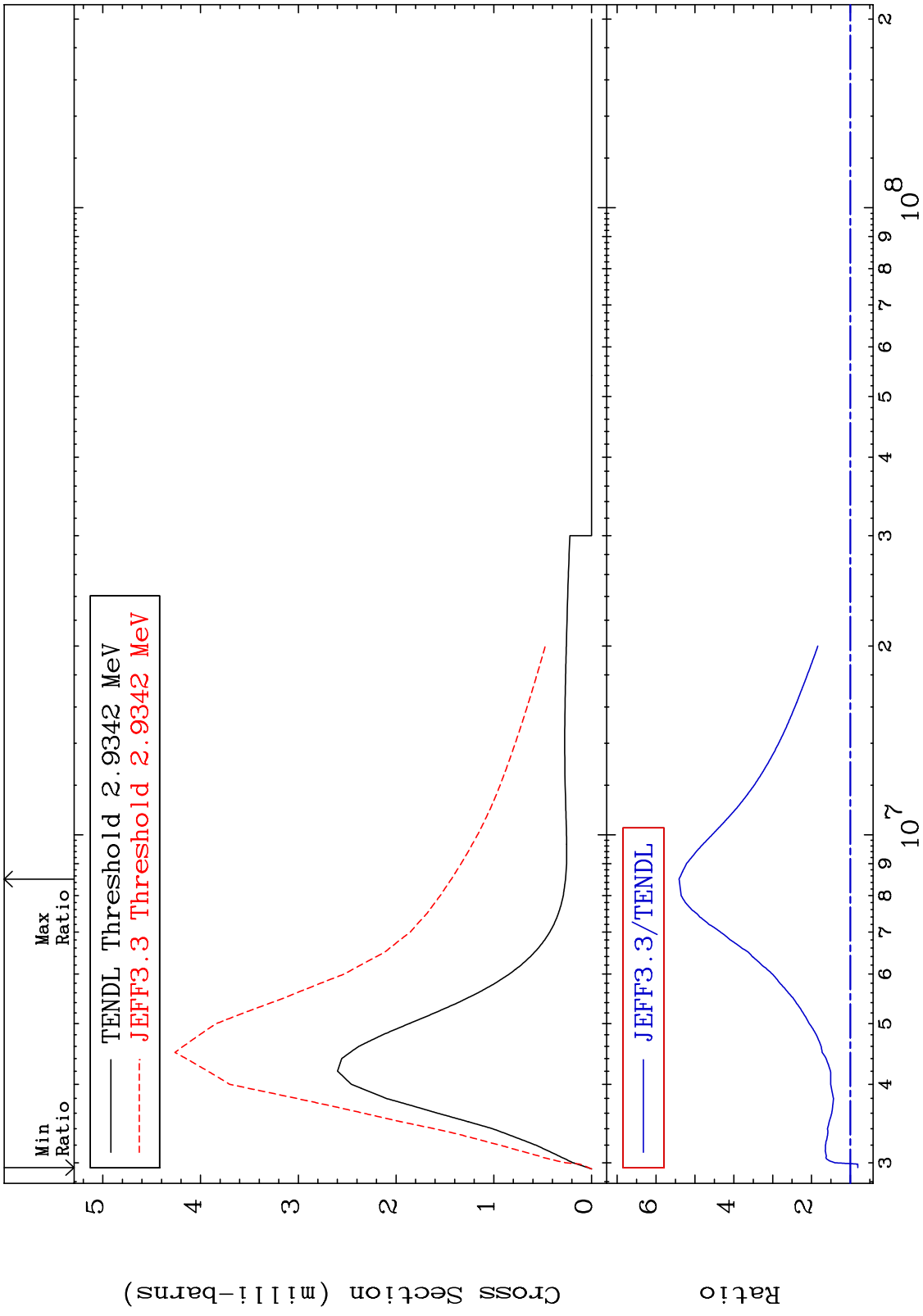


MAT 5037 MT= 66 (n,n') Level Cross Section 50-Sn-116  
 -33.95 To 43.21 %

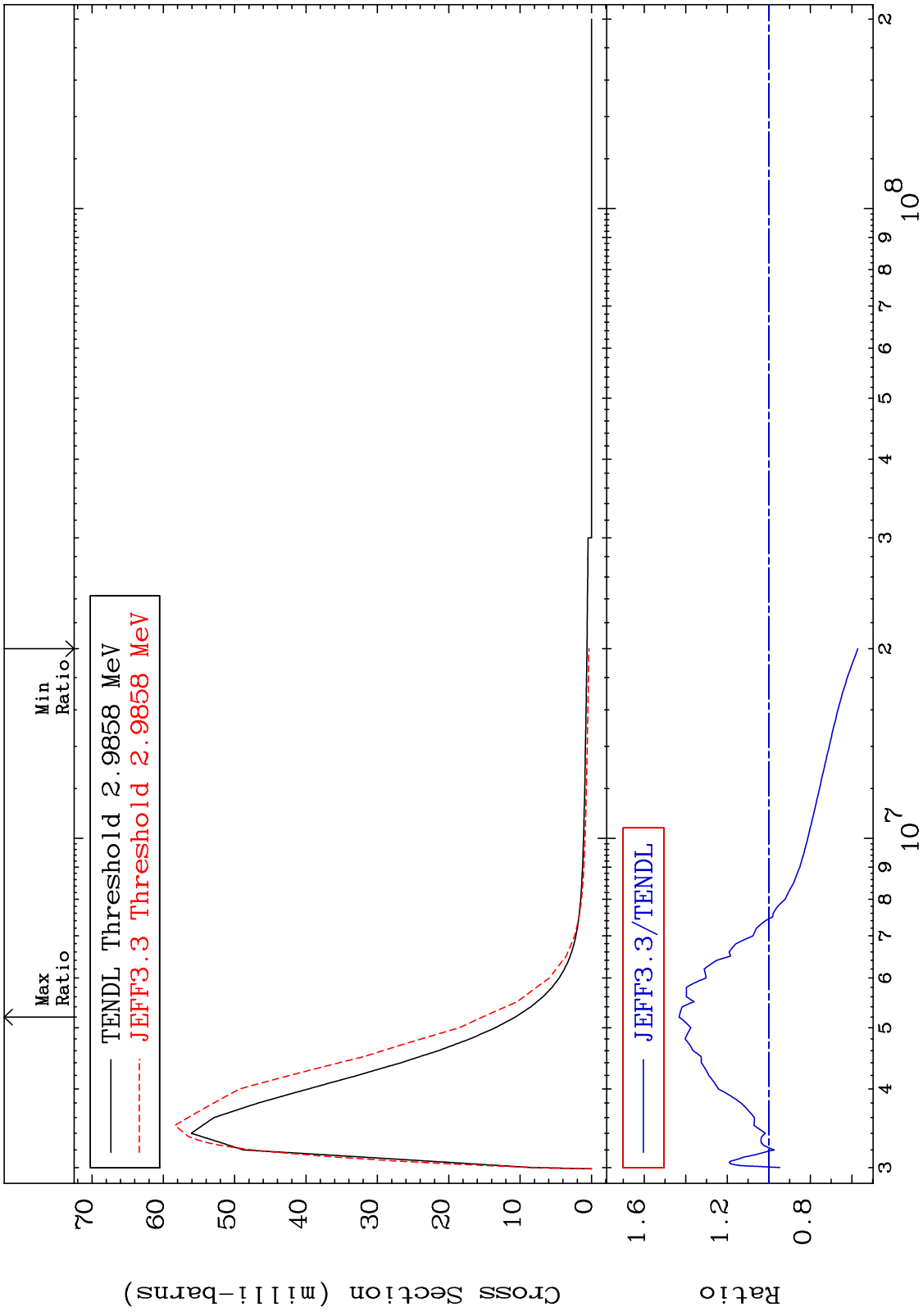




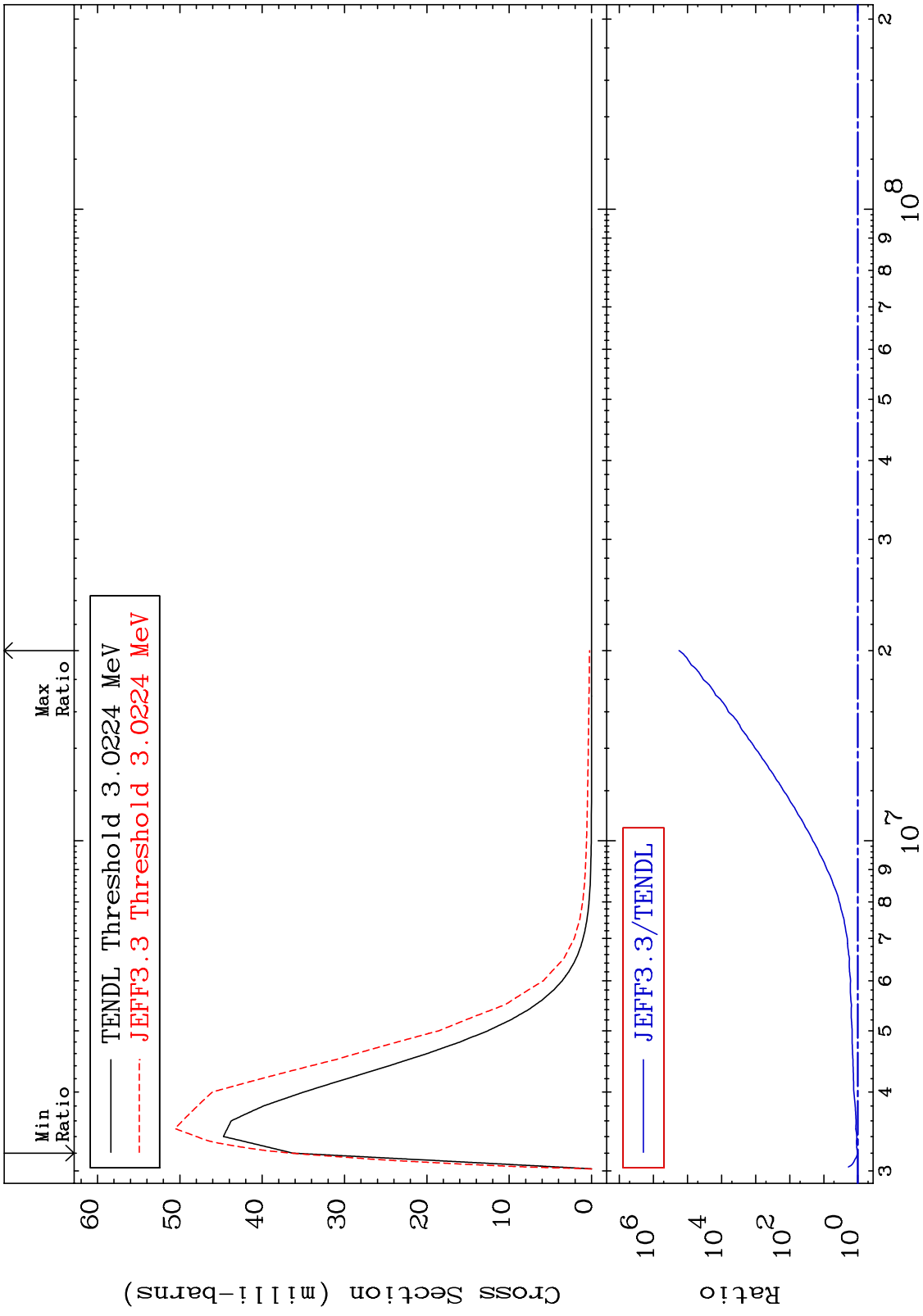
MAT 5037 MT= 67 (n,n') Level Cross Section 50-Sn-116  
 -19.14 To 440.9 %



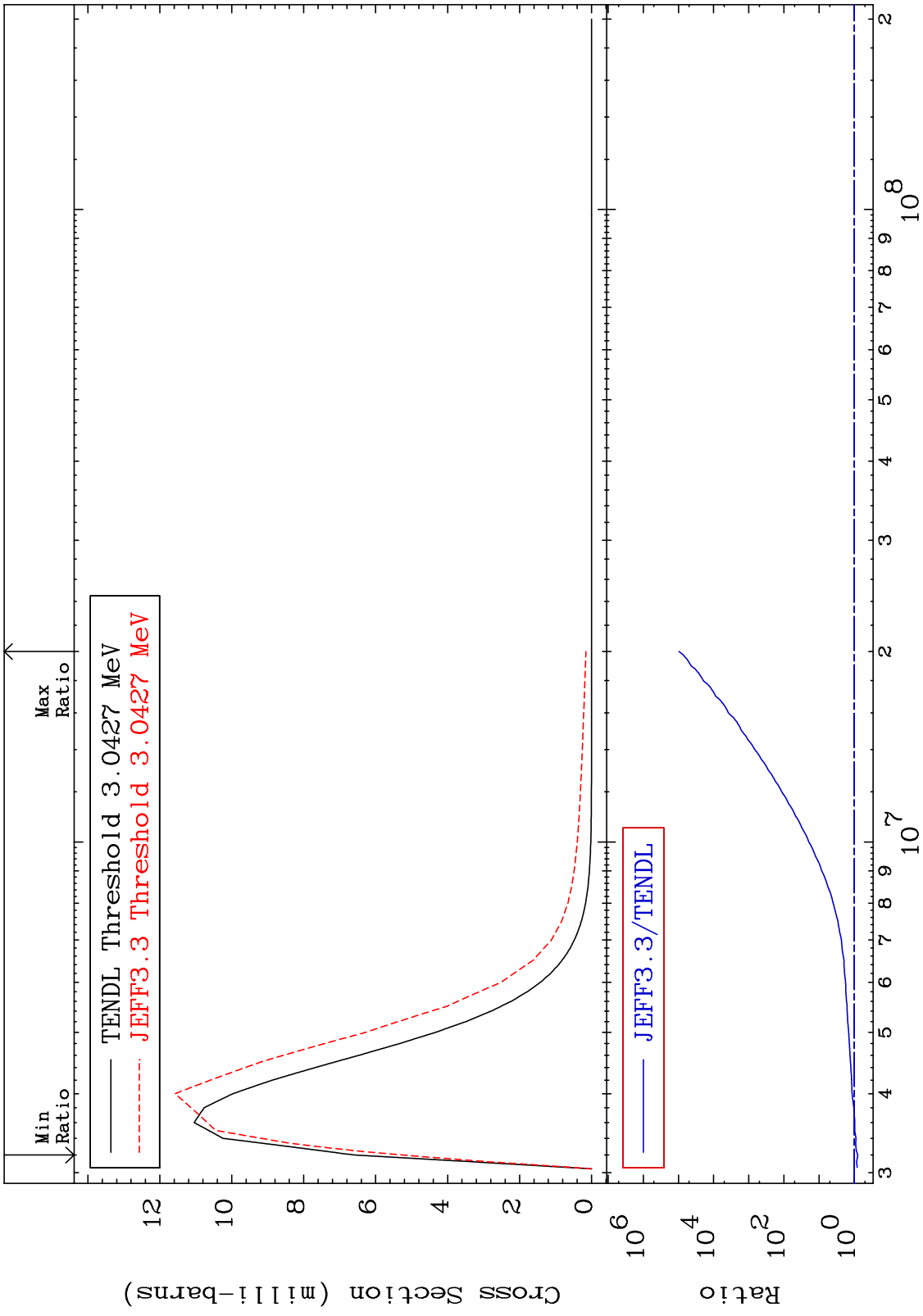
MAT 5037 MT= 68 (n,n') Level Cross Section 50-Sn-116  
 -42.88 To 43.19 %



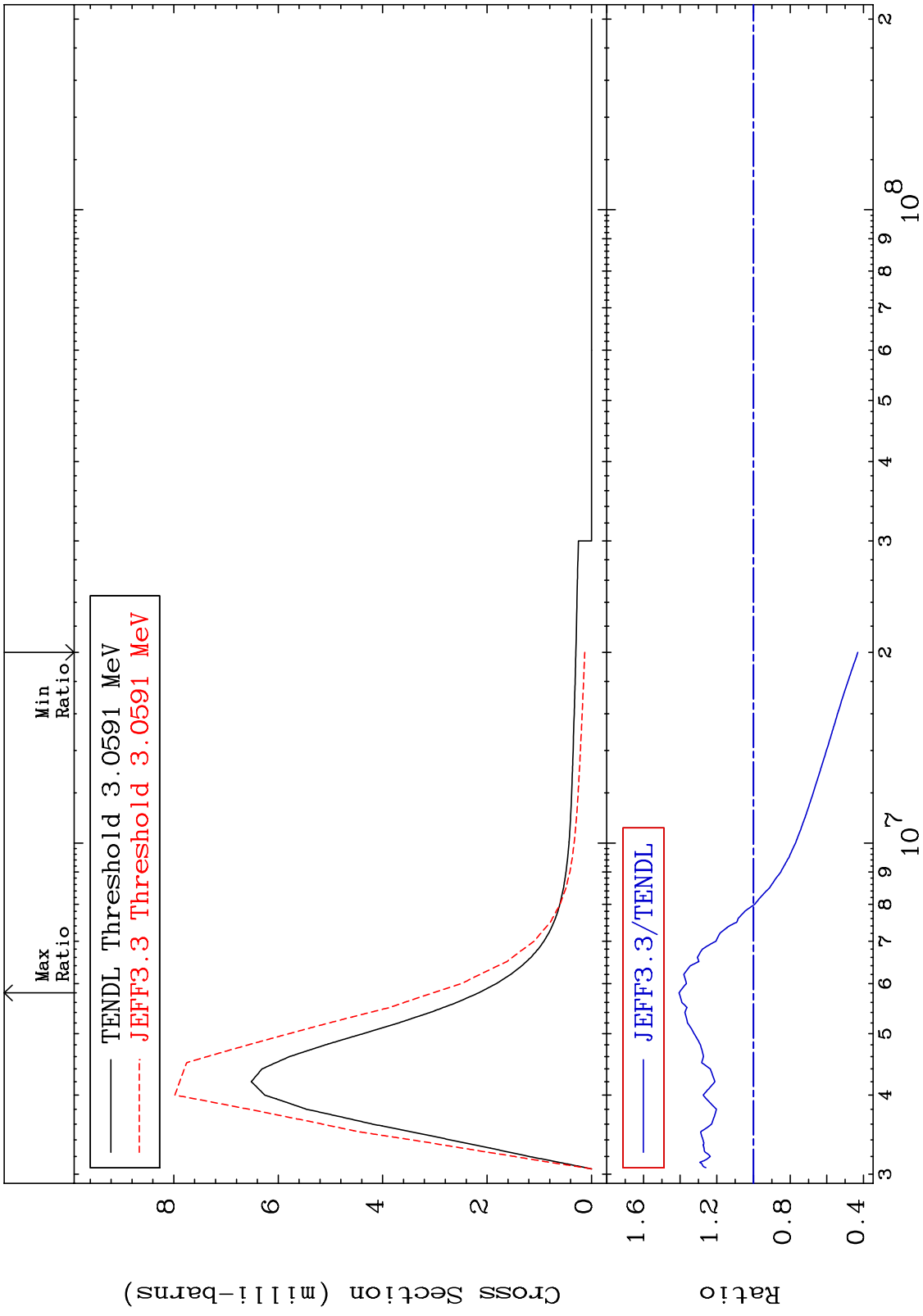
MAT 5037 MT= 69 (n,n') Level Cross Section 50-Sn-116 To 9999. %



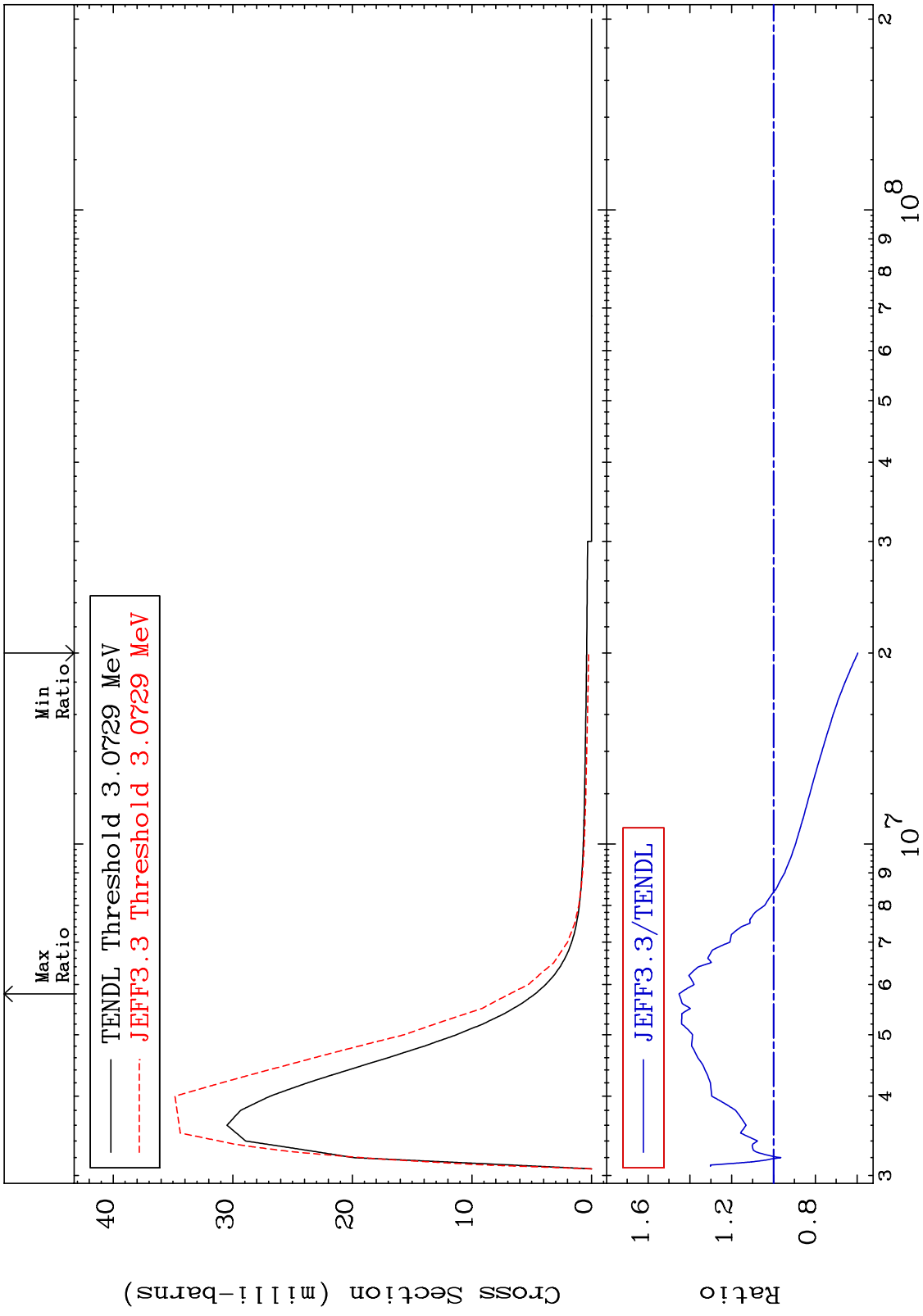
MAT 5037 MT= 70 (n,n') Level Cross Section 50-Sn-116  
 -20.55 To 9999. %



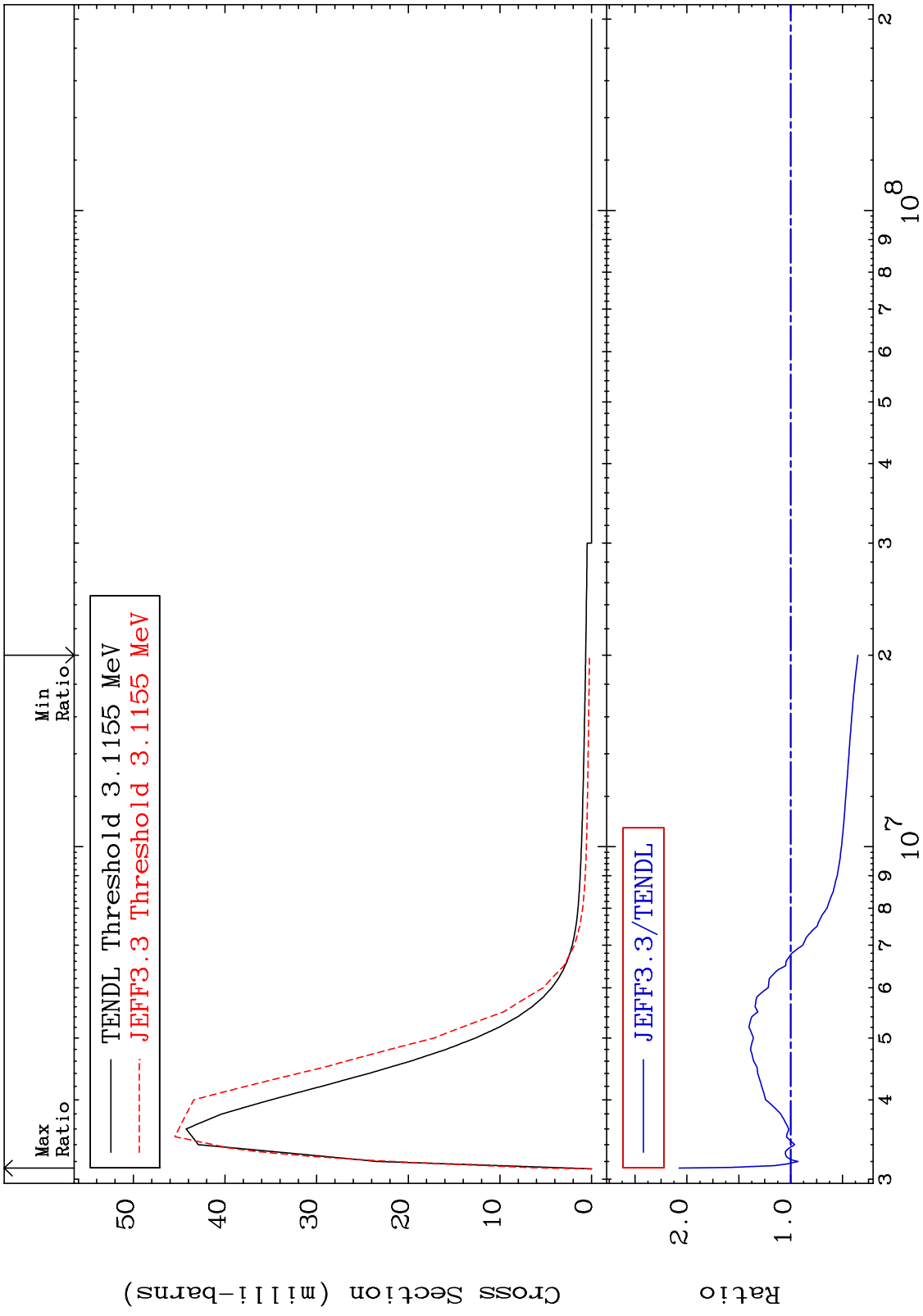
MAT 5037 MT= 71 (n,n') Level Cross Section 50-Sn-116  
 -56.90 To 40.62 %



MAT 5037 MT= 72 (n,n') Level Cross Section 50-Sn-116  
 -40.33 To 45.20 %

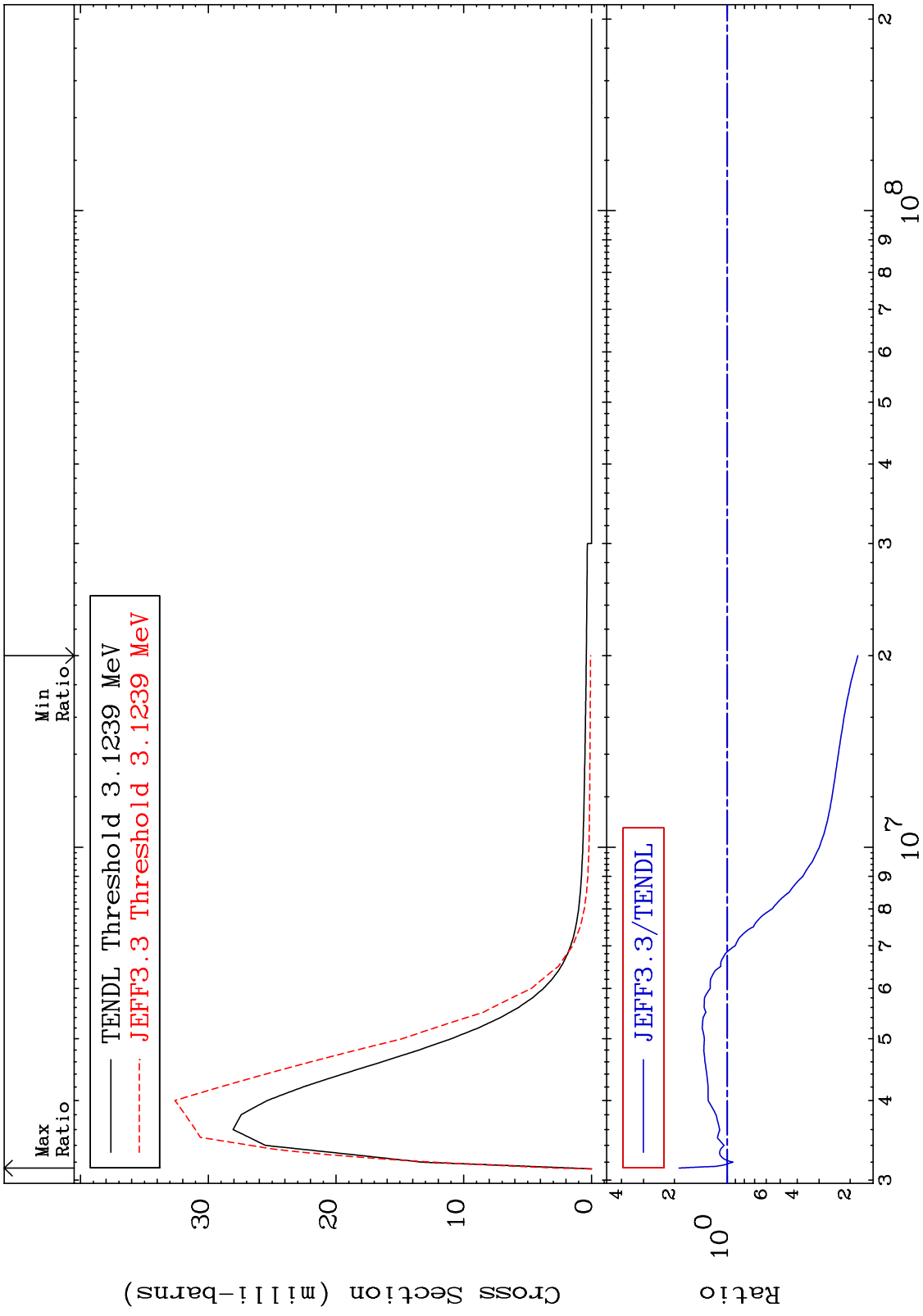


MAT 5037 MT= 73 (n,n') Level Cross Section 50-Sn-116  
 -64.76 To 107.6 %



30 50-Sn-116

MAT 5037 MT= 74 (n,n') Level Cross Section 50-Sn-116  
 -81.92 To 88.24 %

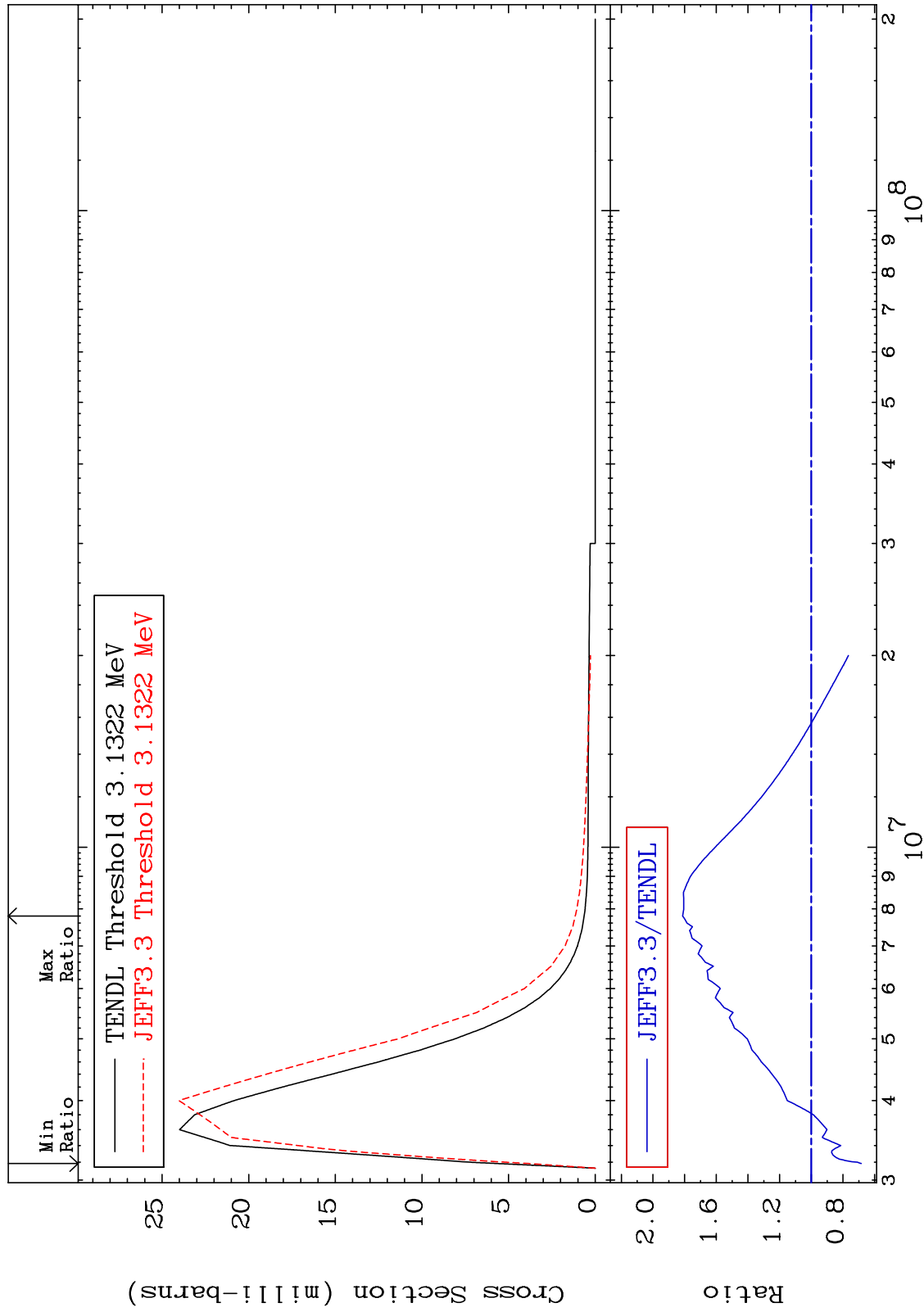




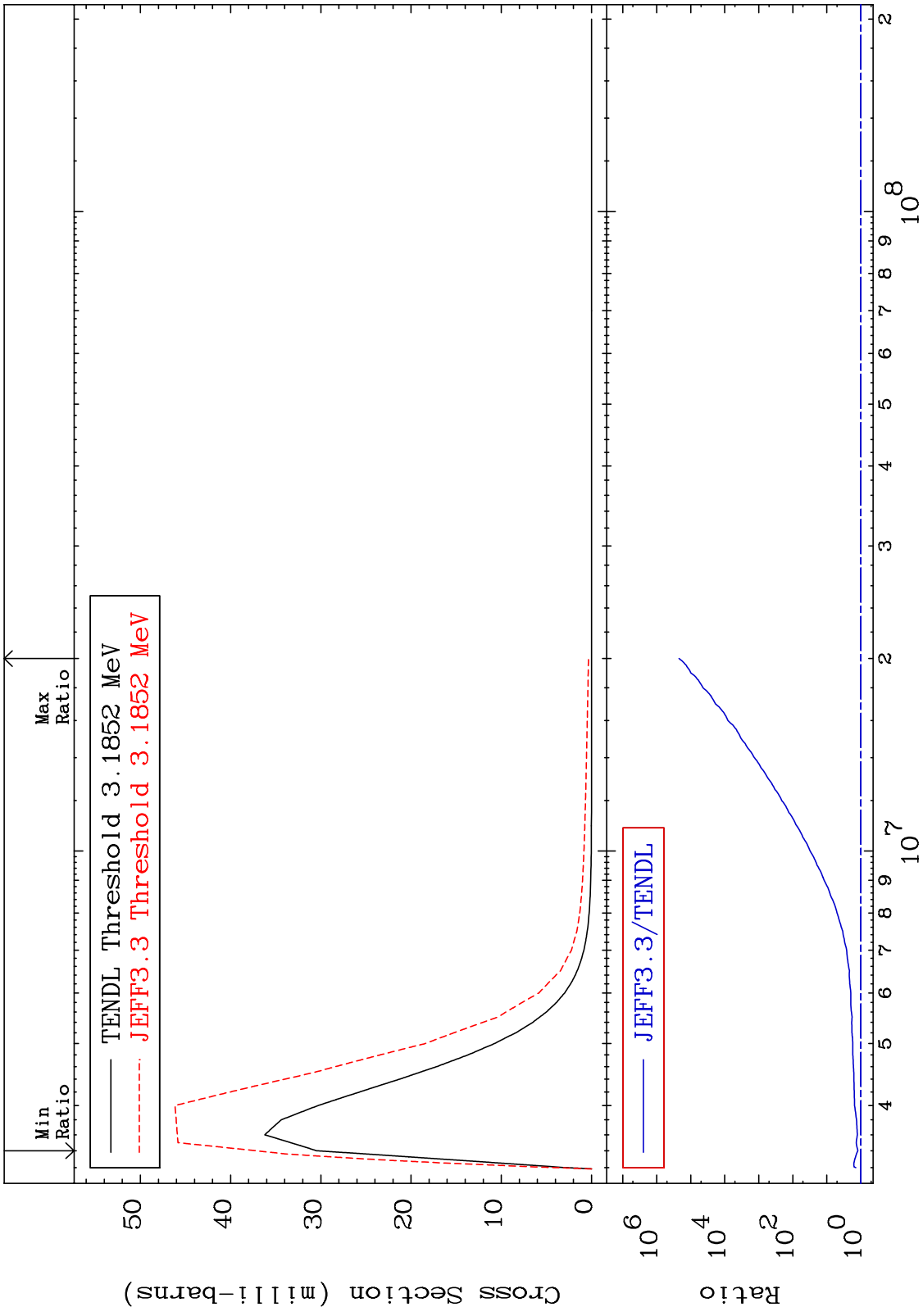
MAT 5037

MT= 75 (n,n') Level  
Cross Section

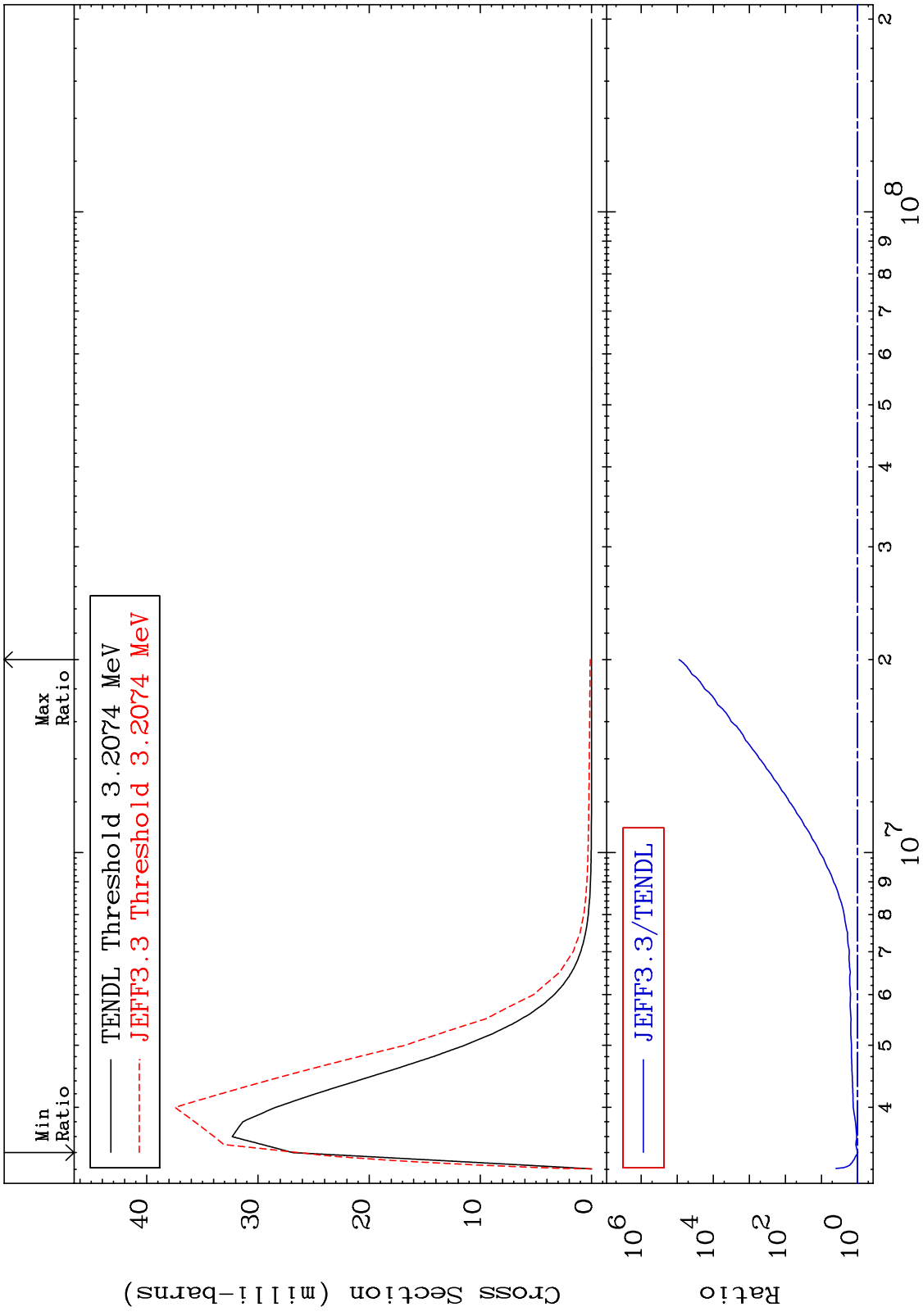
50-Sn-116  
-31.57 To 81.26 %



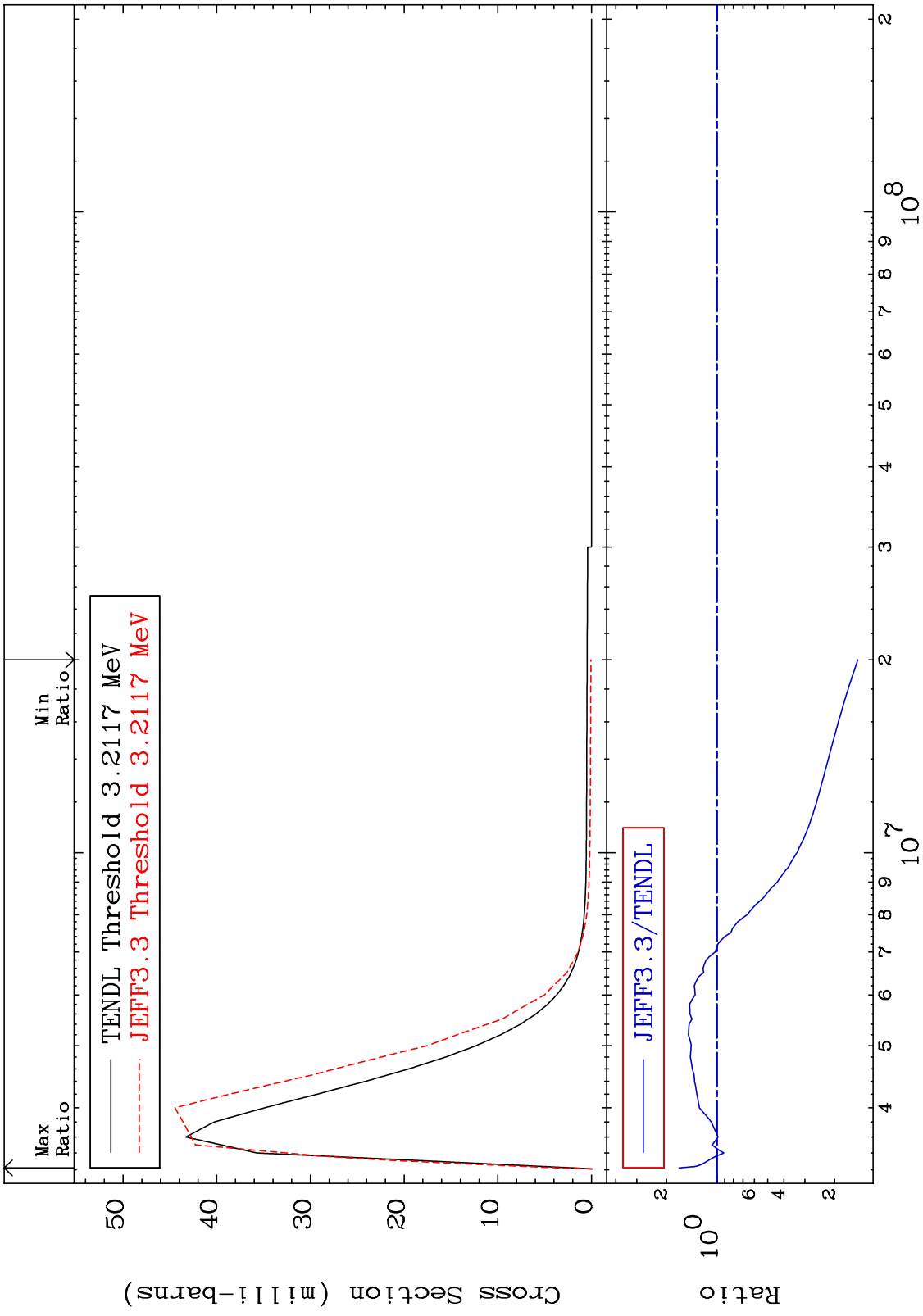
MAT 5037 MT= 76 (n,n') Level Cross Section 50-Sn-116 To 9999. %



MAT 5037 MT= 77 (n,n') Level Cross Section 50-Sn-116 -2.037 To 9999. %



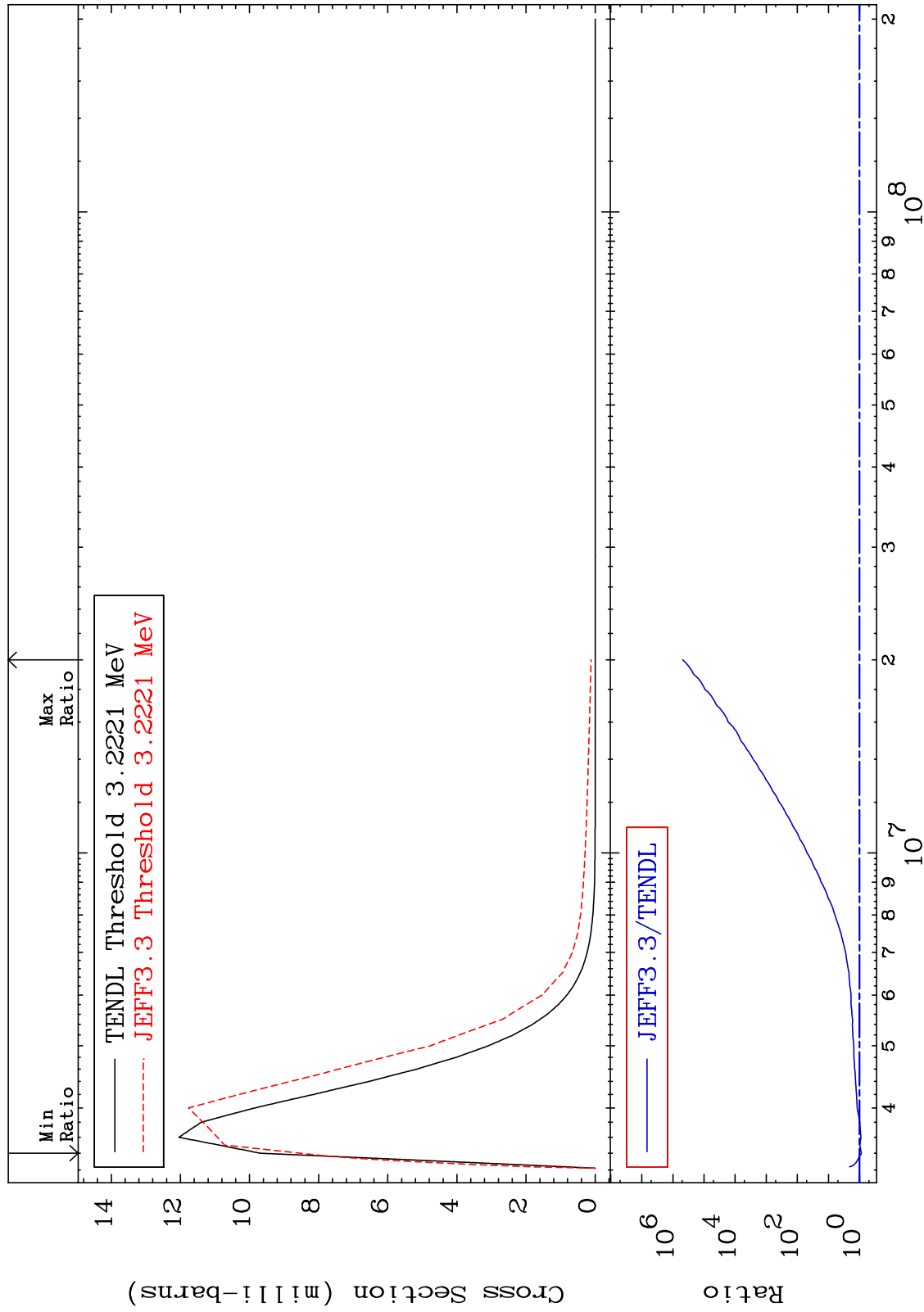
MAT 5037 MT= 78 (n,n') Level Cross Section 50-Sn-116  
 -85.45 To 68.32 %



MAT 5037

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

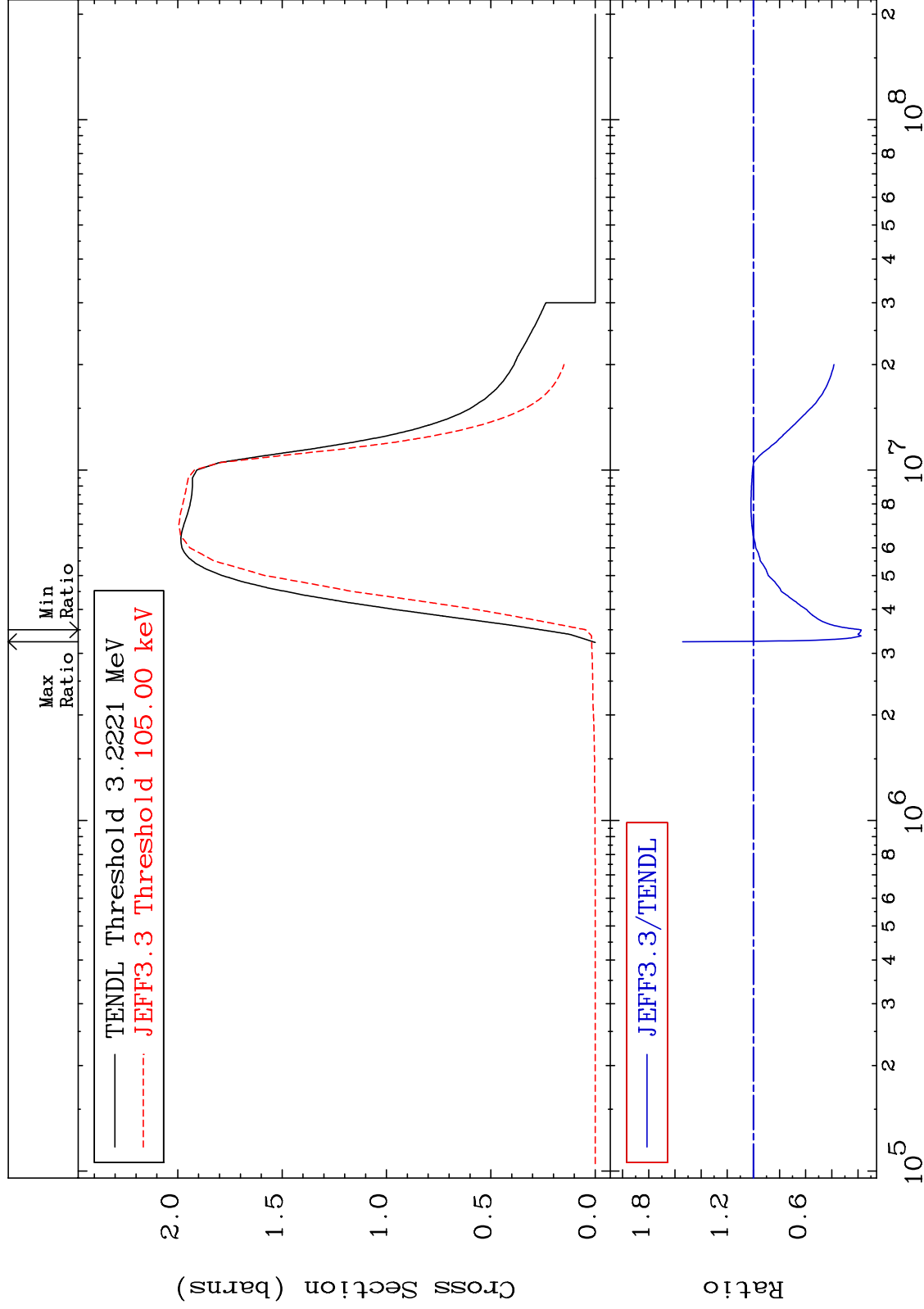
50-Sn-116  
-12.07 To 9999. %



MAT 5037

(n, n') Continuum  
Cross Section

50-Sn-116  
-82.61 To 54.07 %



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Incident Energy (eV)

50-Sn-116

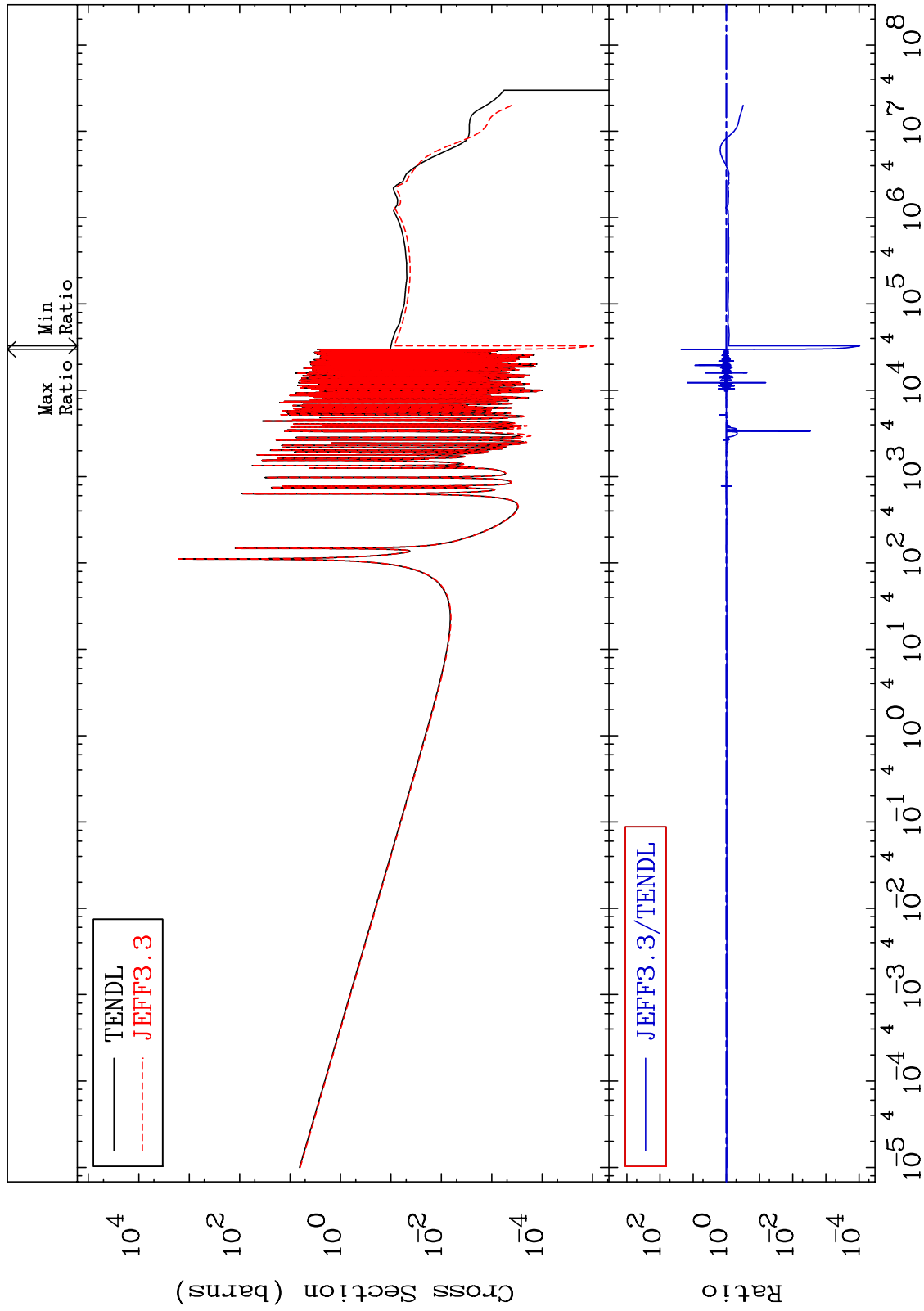
MAT 5037

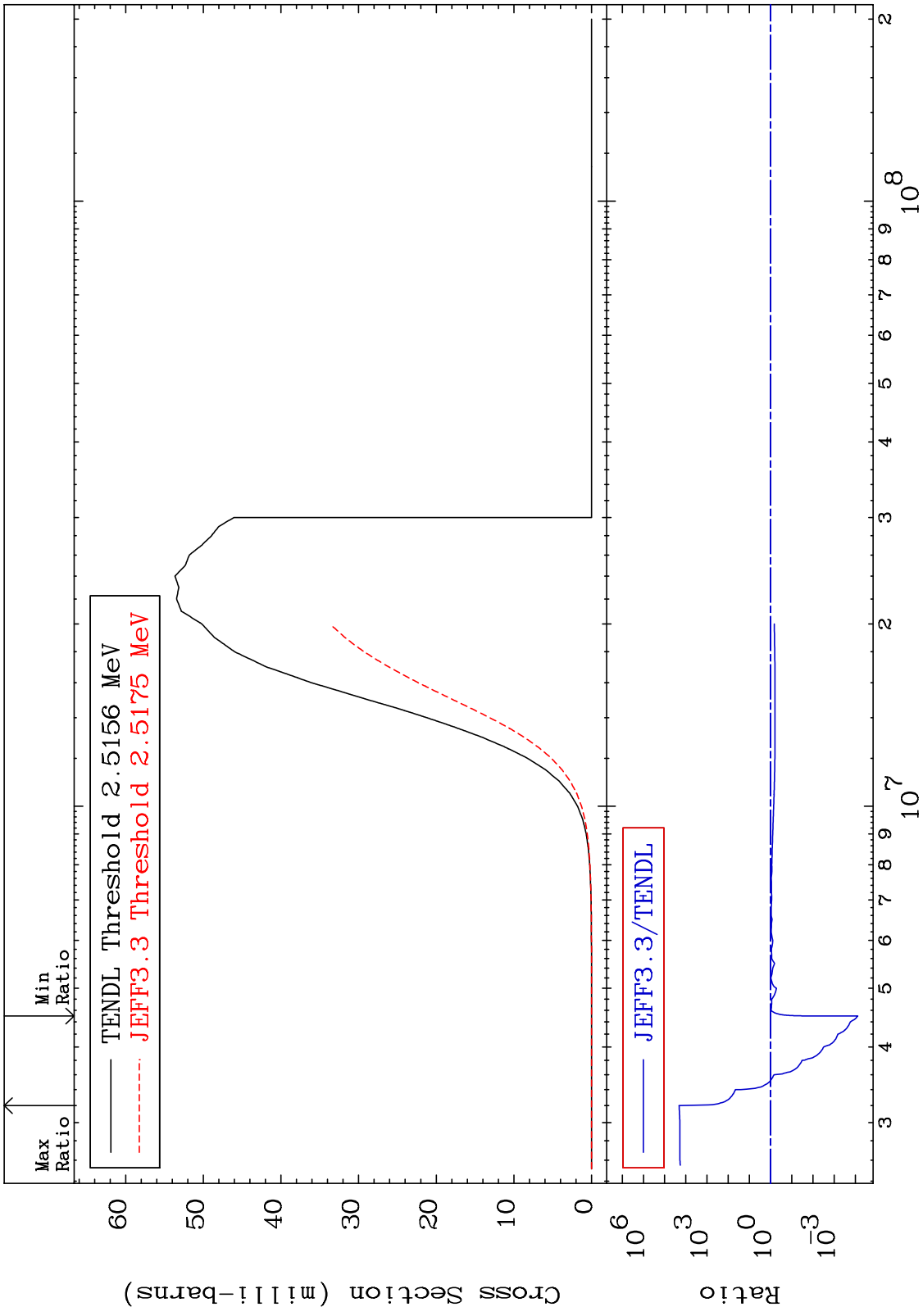
(n,  $\gamma$ )

50-Sn-116

Cross Section

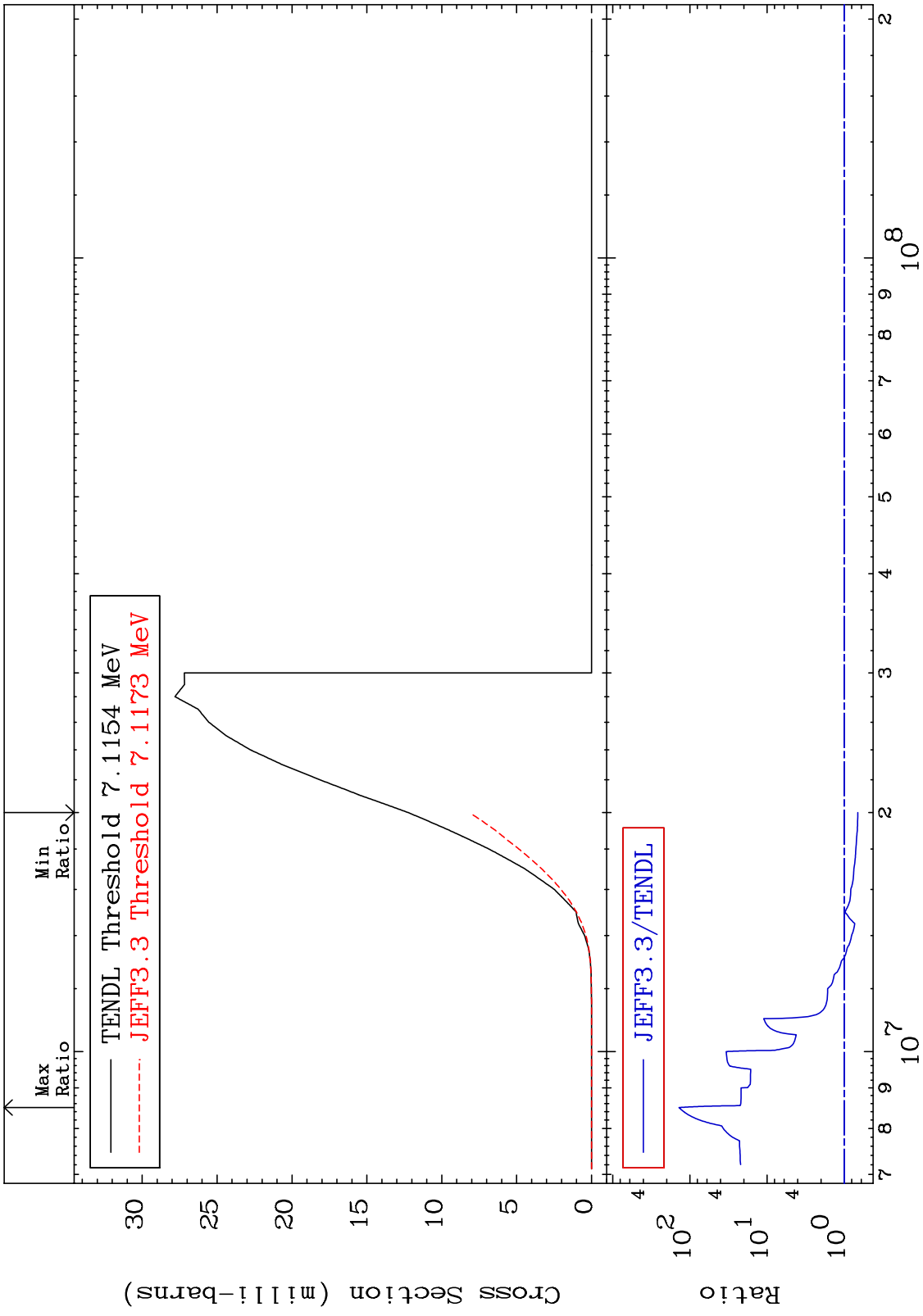
-99.99 To 2179. %





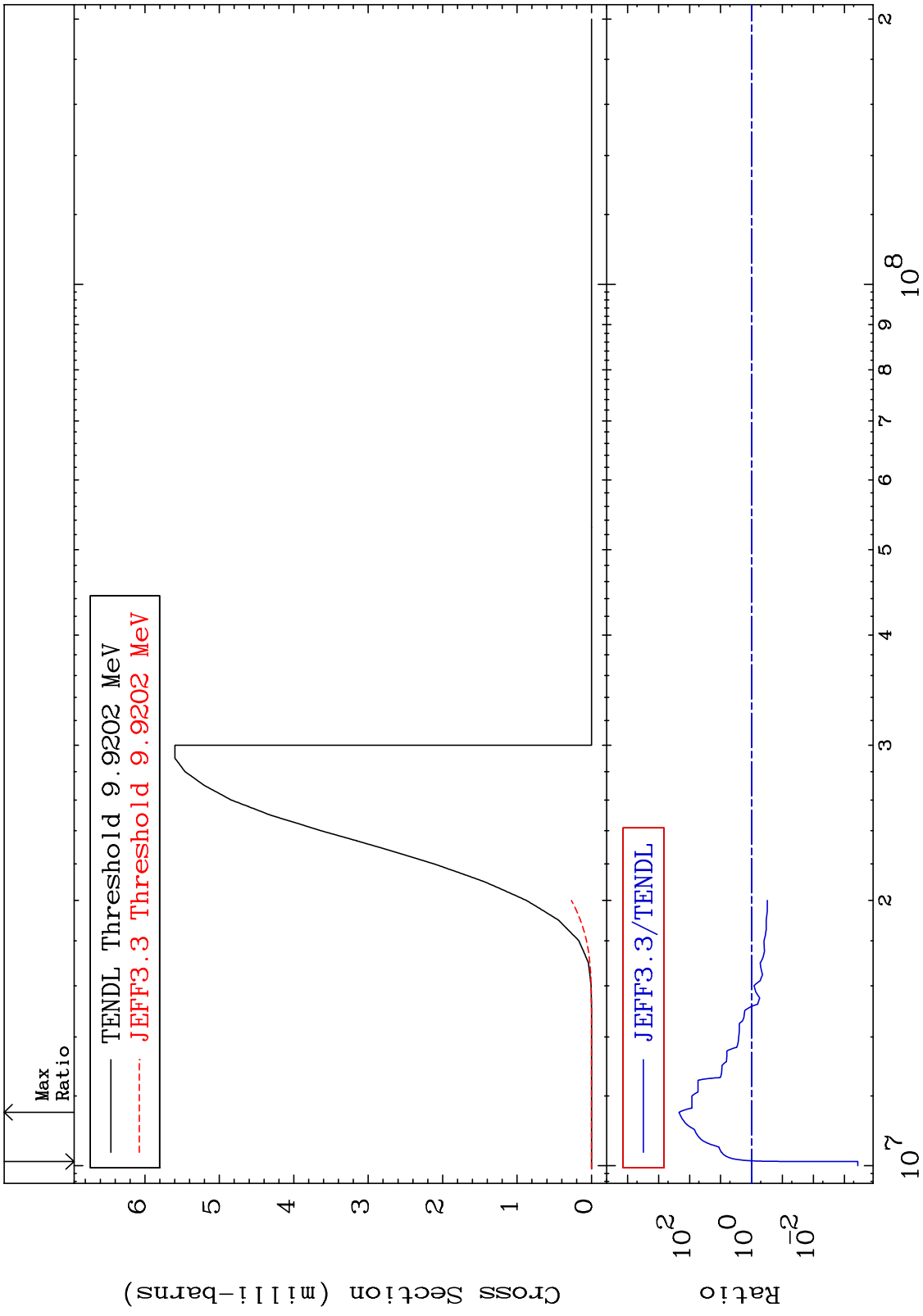


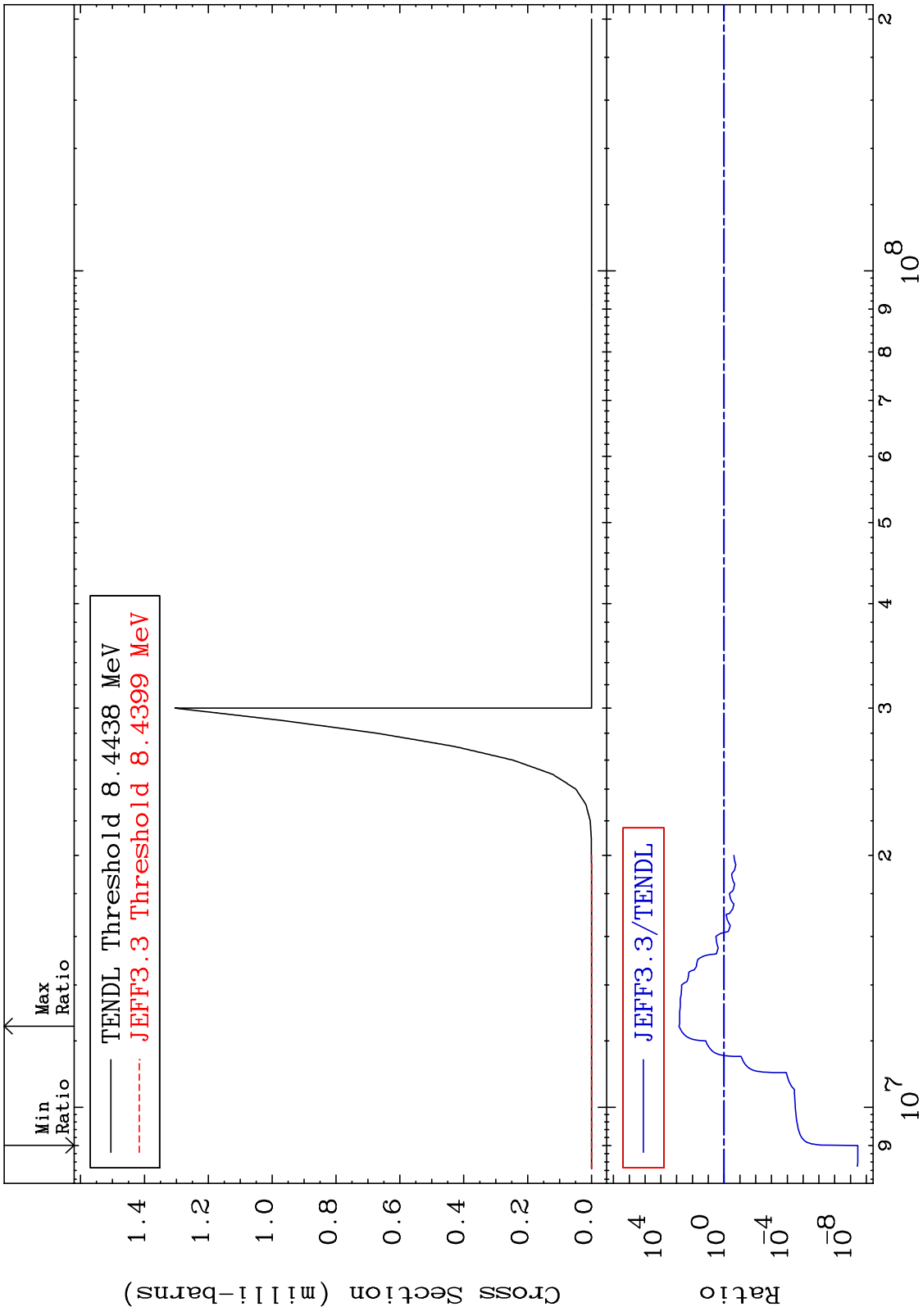
MAT 5037 (n,d) Cross Section 50-Sn-116  
 -33.45 To 9999. %



40 Incident Energy (eV) 50-Sn-116

MAT 5037 (n,t) Cross Section 50-Sn-116 -99.96 To 9999. %





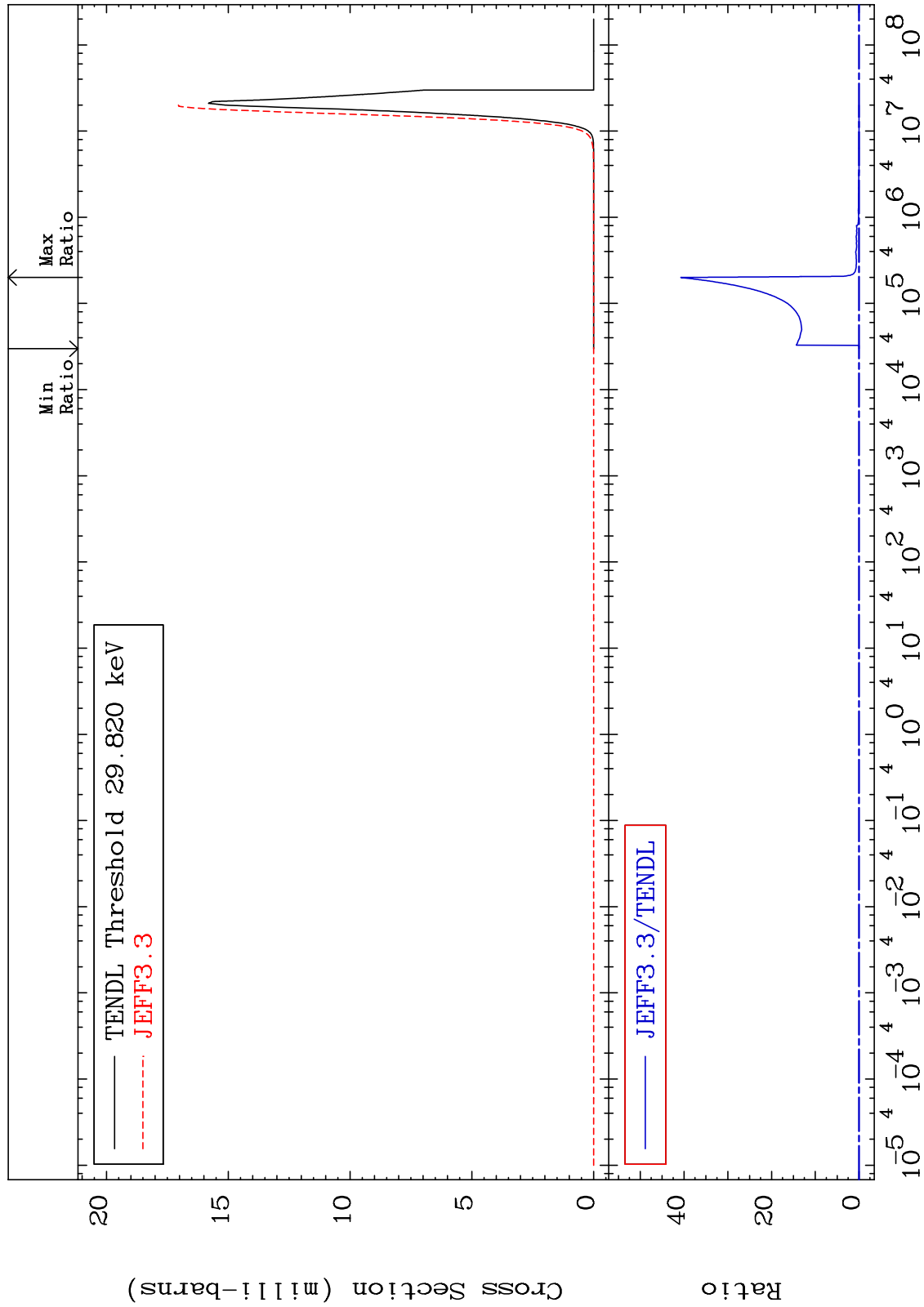
MAT 5037

(n,  $\alpha$ )

50-Sn-116

Cross Section

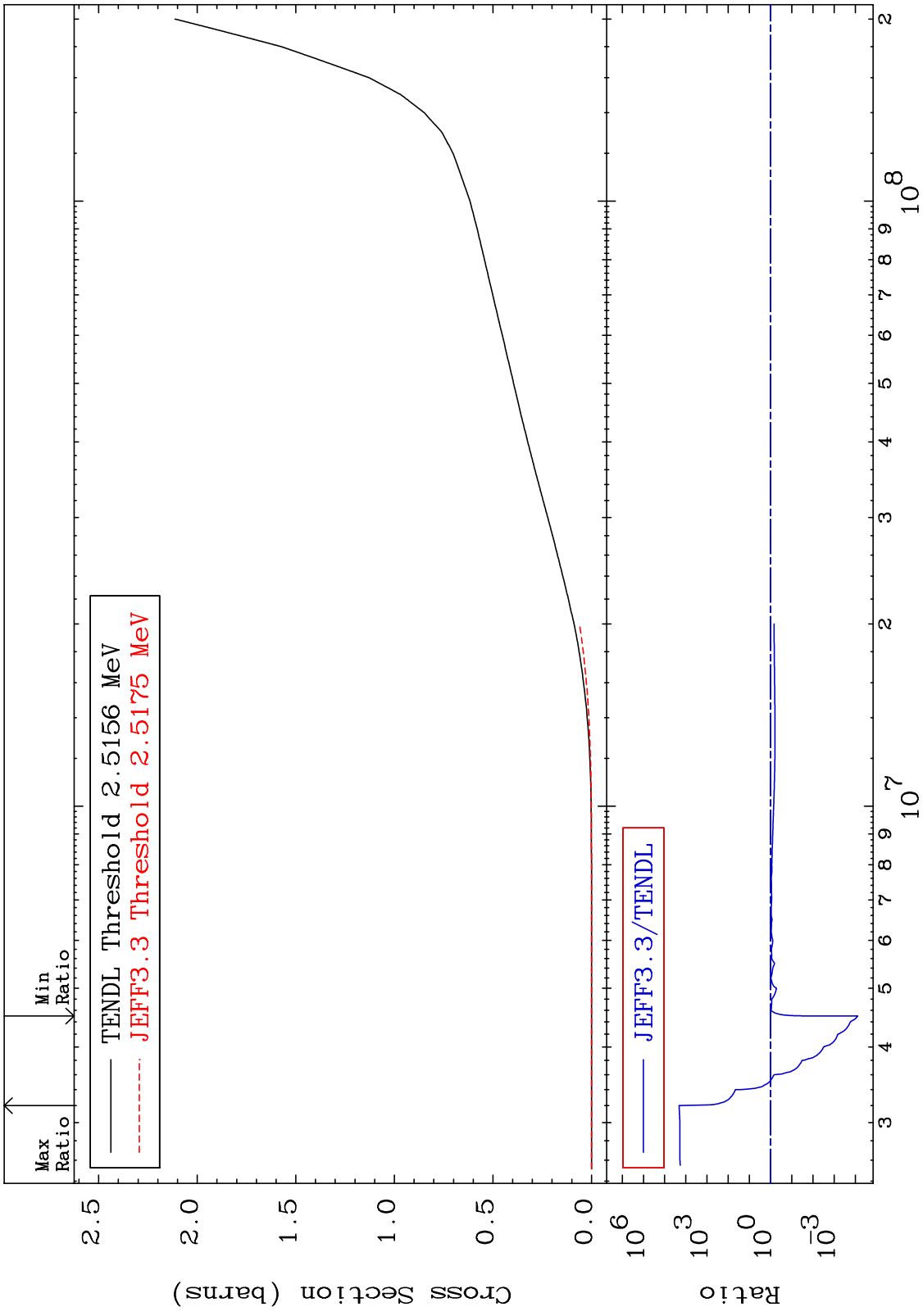
-100.0 To 9999. %



43

Incident Energy (eV)

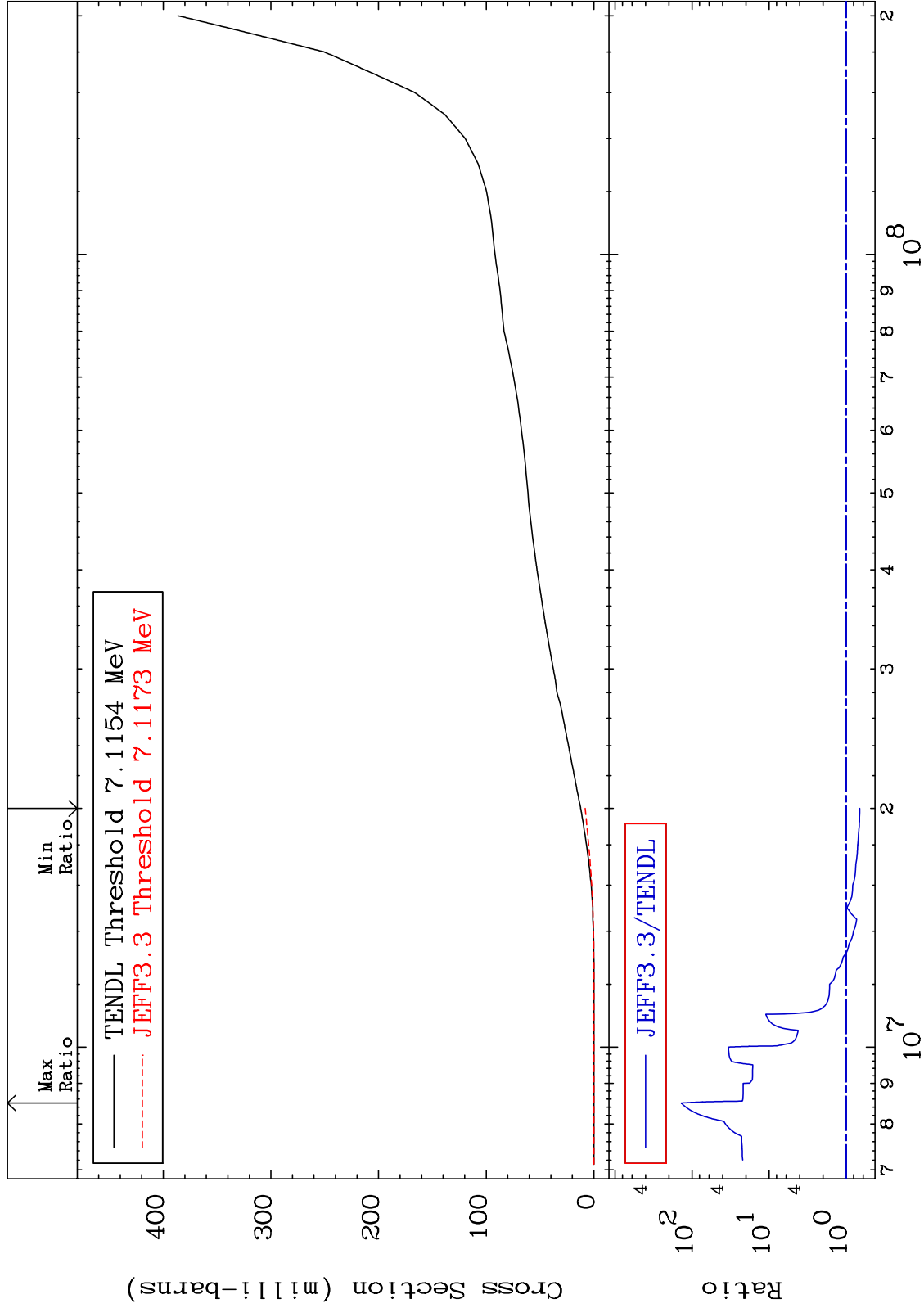
50-Sn-116



MAT 5037

Deuterium Production  
Cross Section

50-Sn-116  
-33.45 To 9999. %

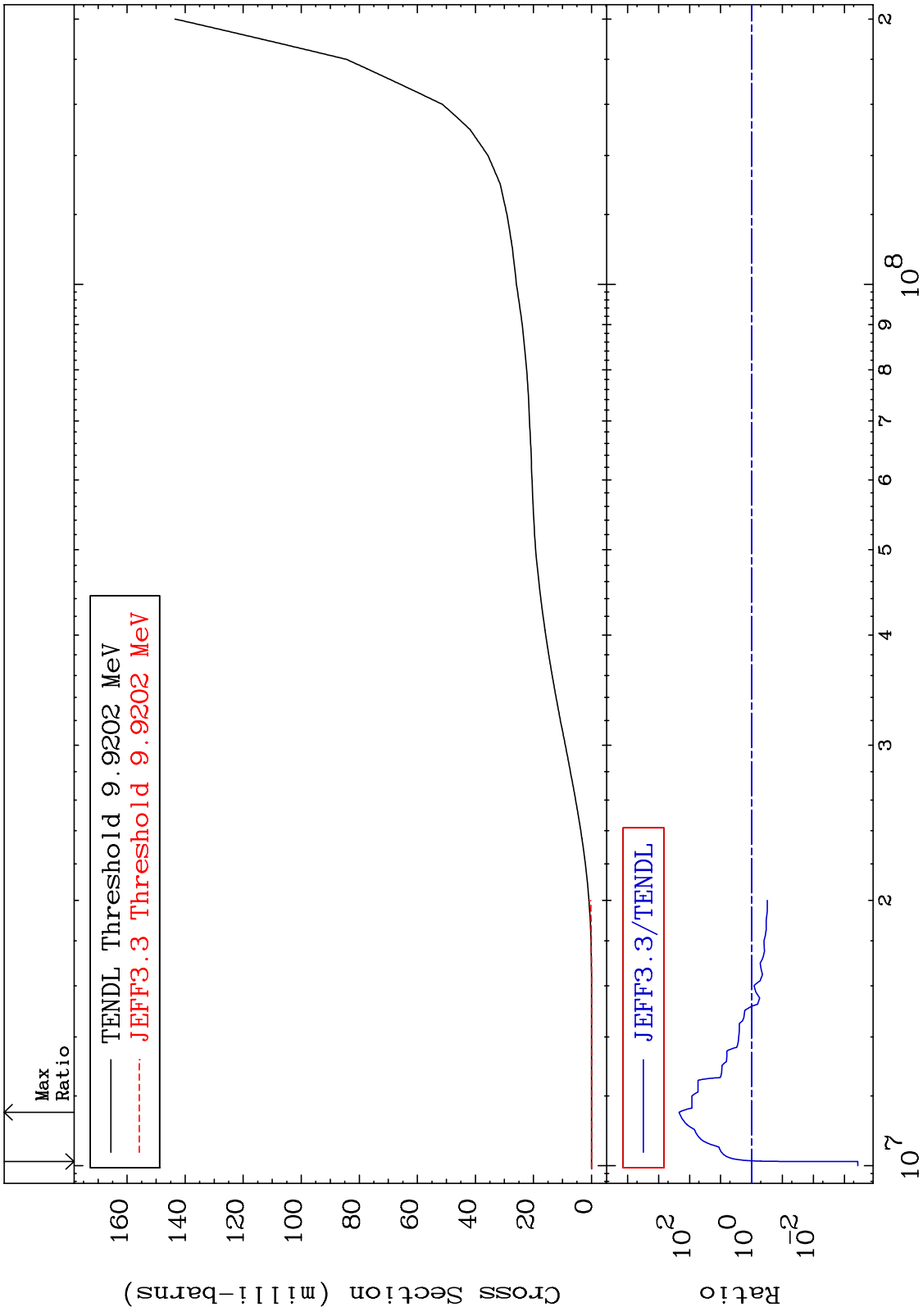


45

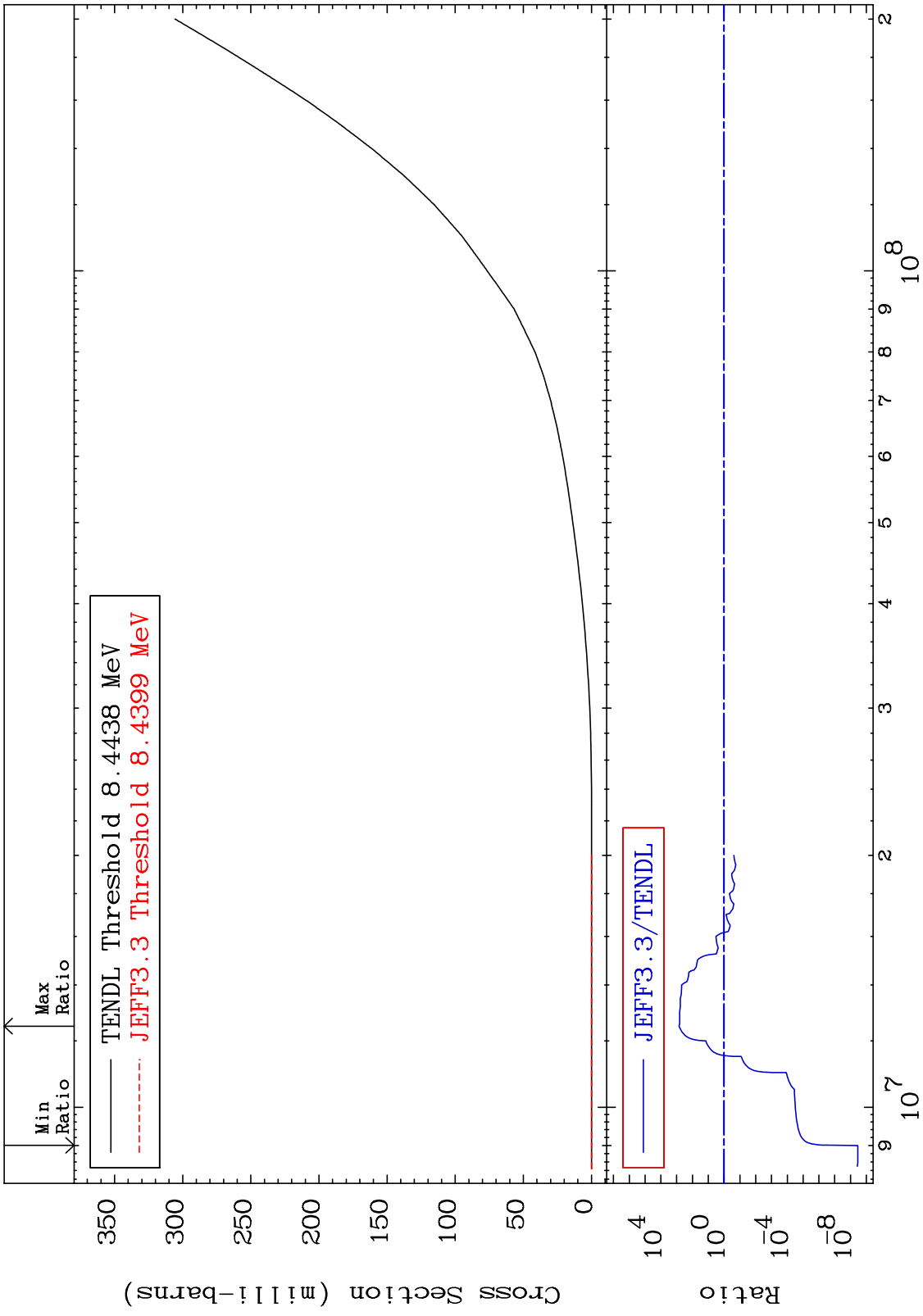
Incident Energy (eV)

50-Sn-116

MAT 5037 Tritium Production Cross Section 50-Sn-116 -99.96 To 9999. %



46 Incident Energy (eV) 50-Sn-116

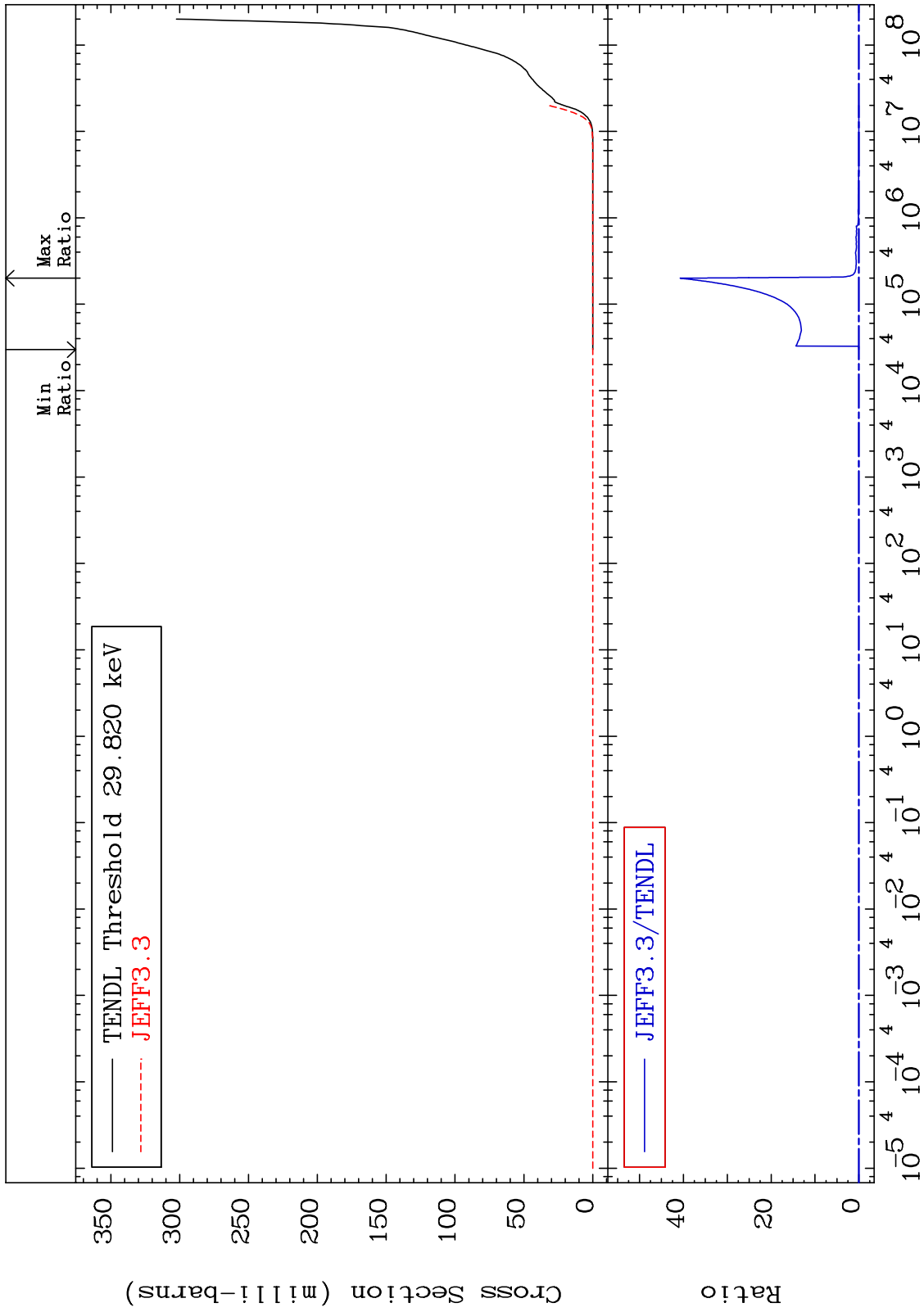




MAT 5037

He-4 Production  
Cross Section

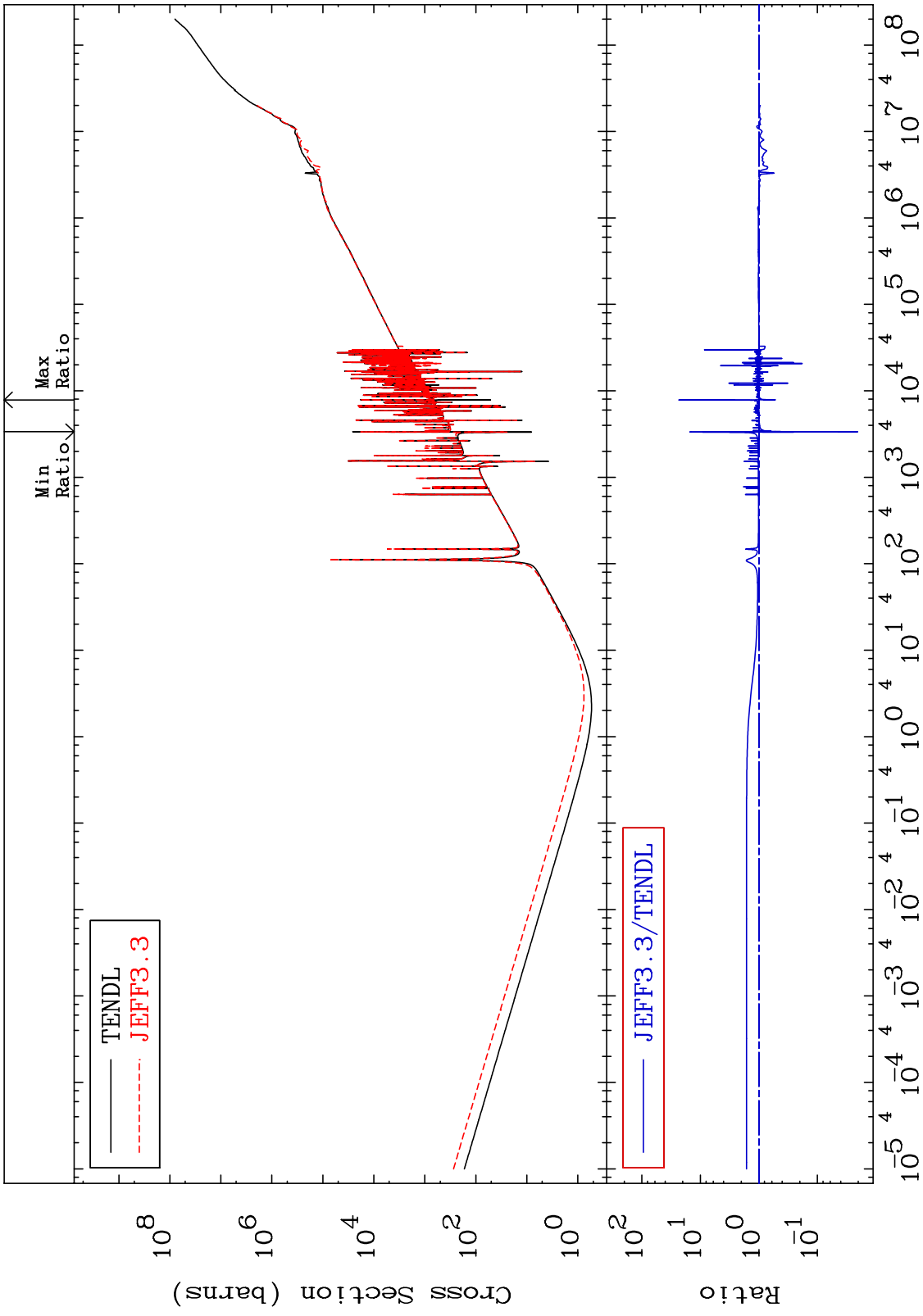
50-Sn-116  
-100.0 To 9999. %



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50-Sn-116

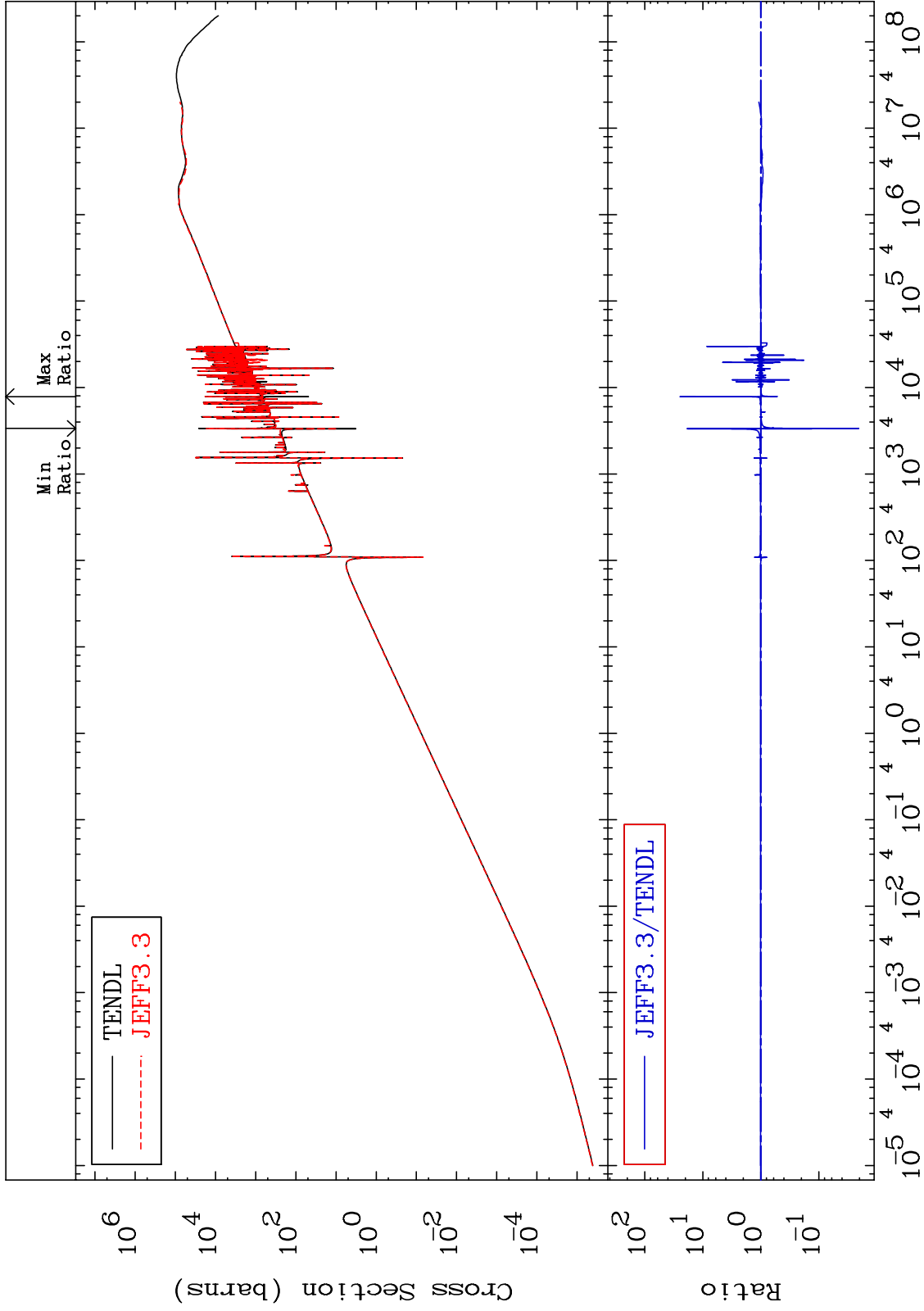
MAT 5037      Kerma total (eV-barns)      50-Sn-116  
 Cross Section      -97.97 To 2217. %



MAT 5037

Kerma elastic  
Cross Section

50-Sn-116  
-97.95 To 2347. %

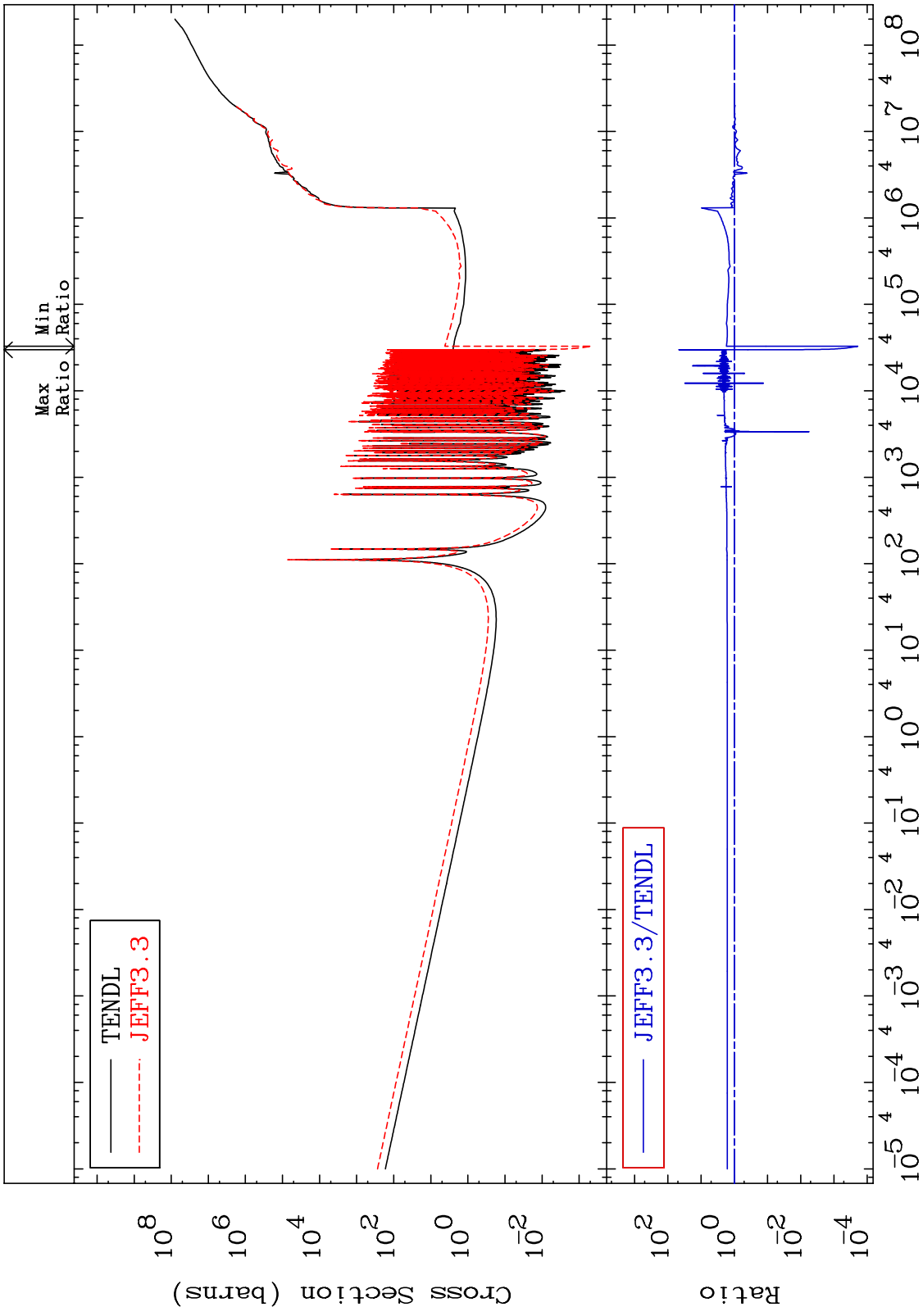


50

Incident Energy (eV)

50-Sn-116

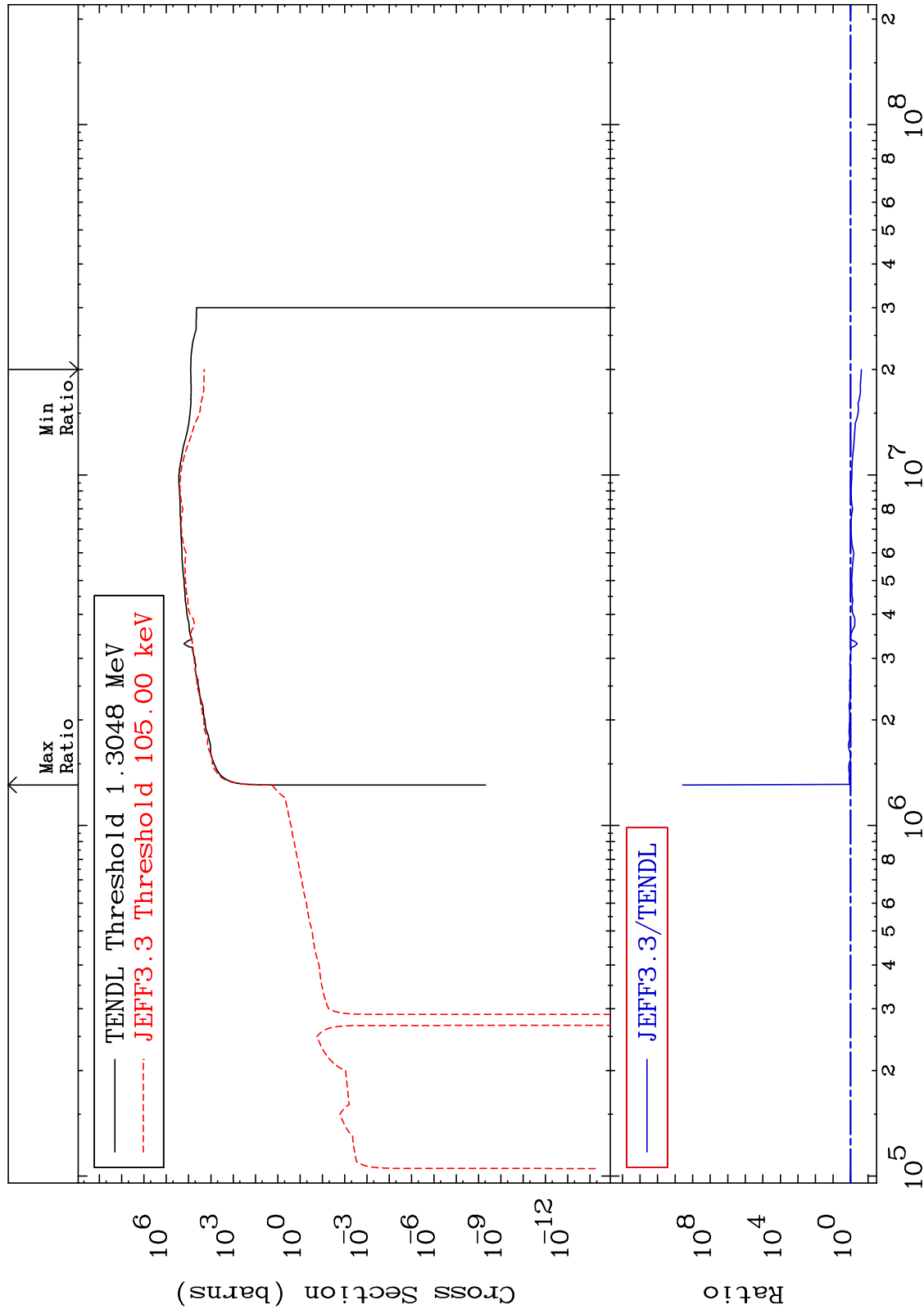
MAT 5037      Kerma non-elastic (all but mt2)      50-Sn-116  
 Cross Section      -99.98 To 4485. %



MAT 5037

Kerma inelastic (mt51-91)  
Cross Section

50-Sn-116  
-75.68 To 9999. %



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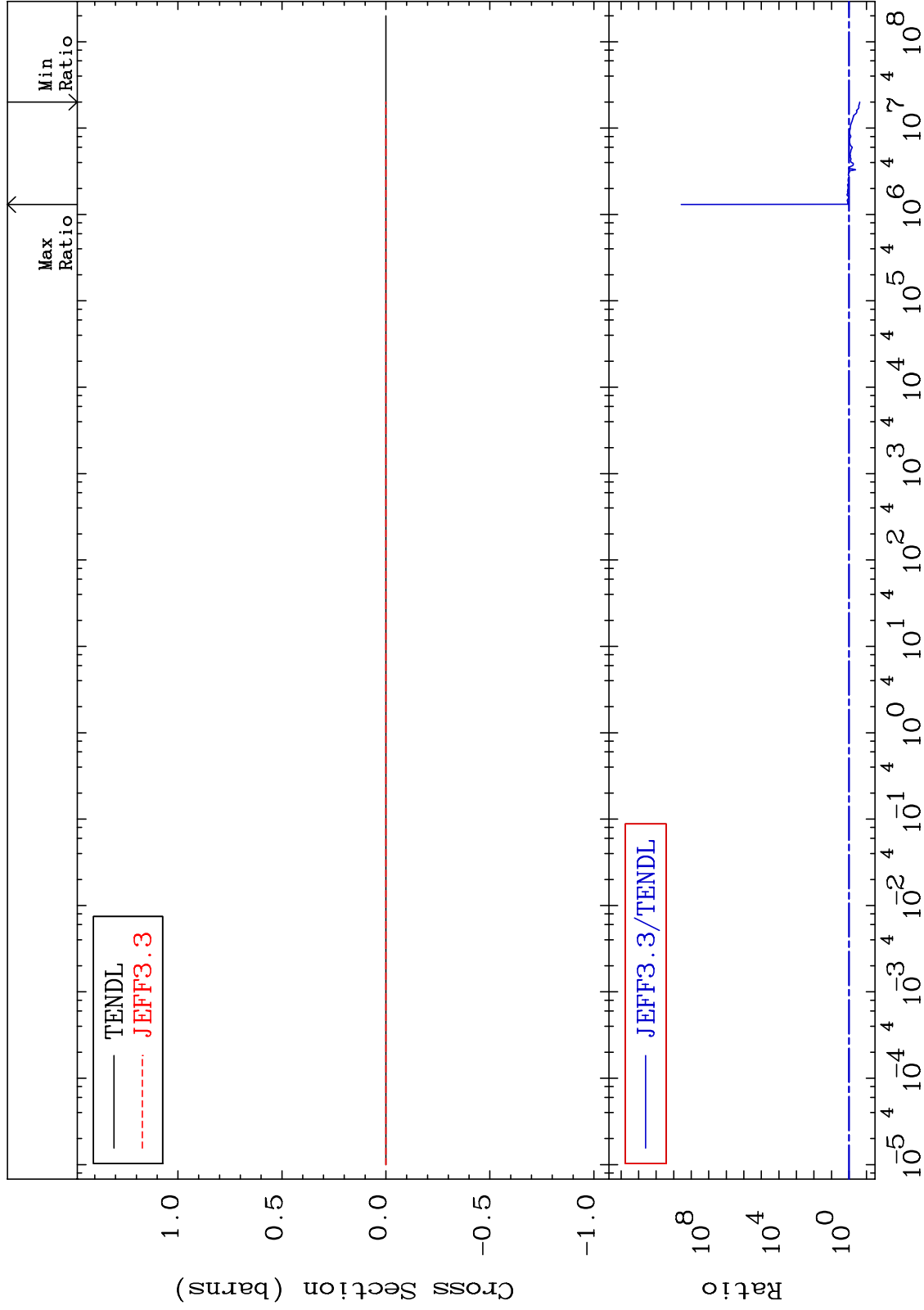
Incident Energy (eV)

50-Sn-116

MAT 5037

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

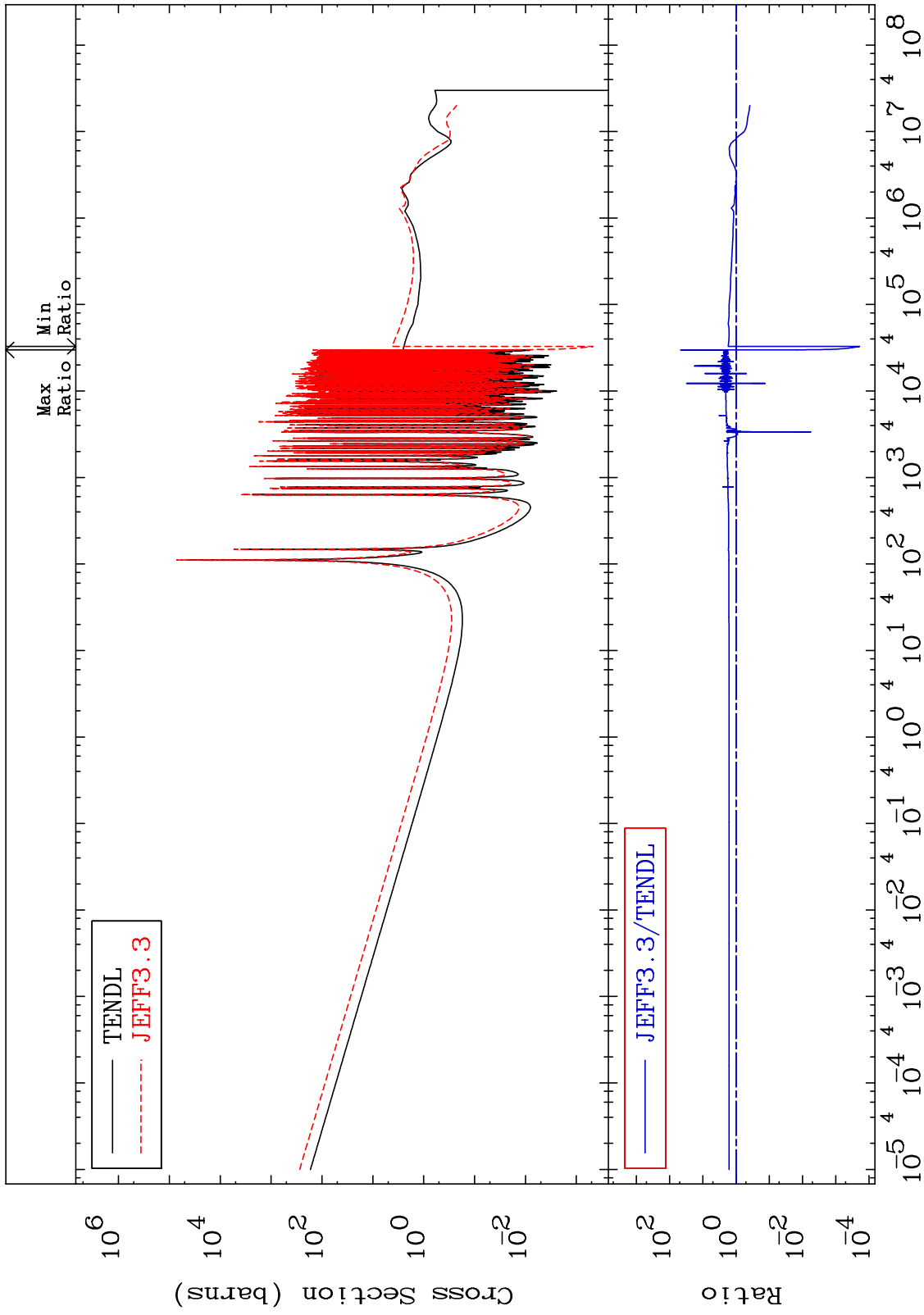
50-Sn-116  
-75.68 To 9999. %



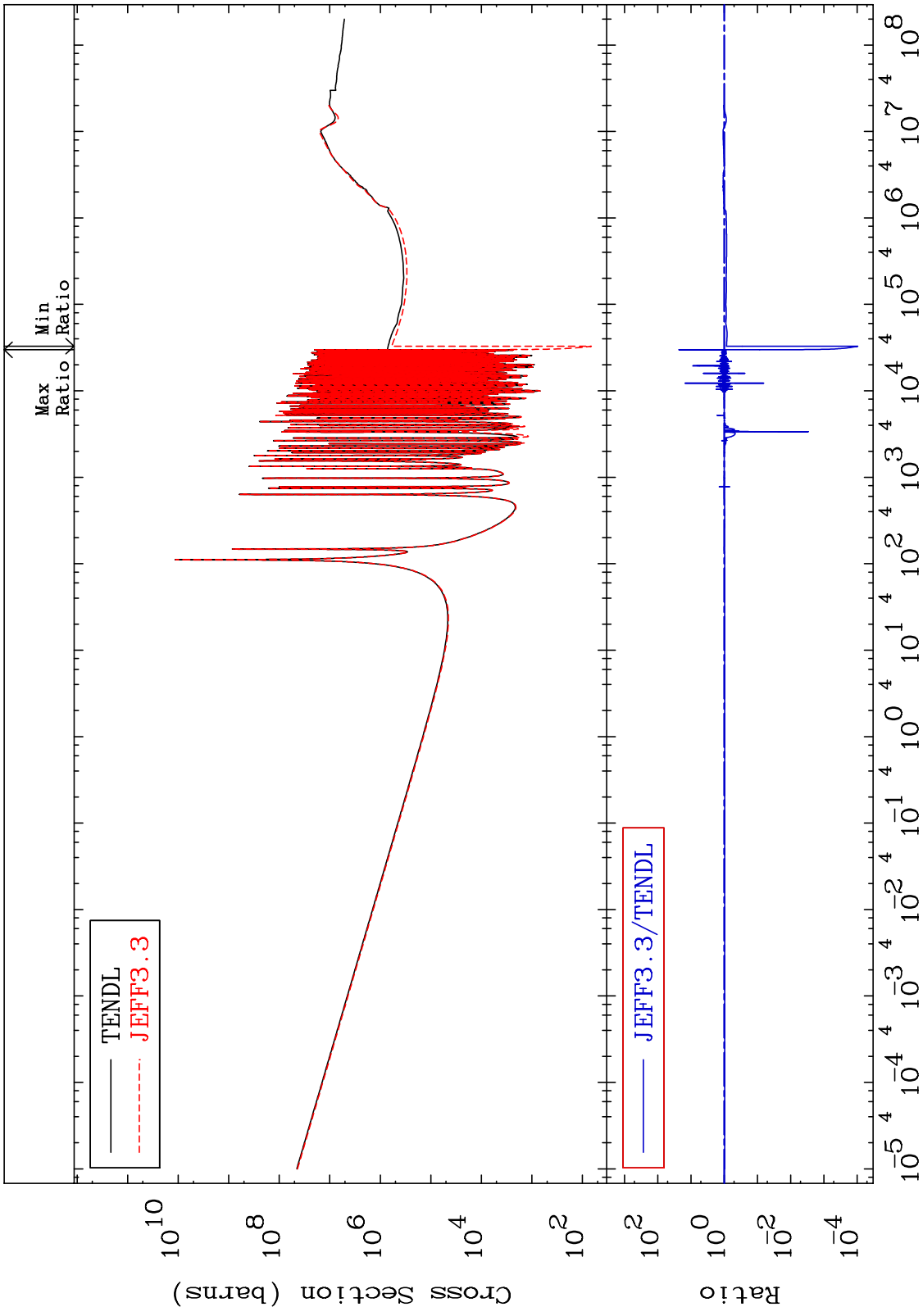
MAT 5037

Kerma capture (mt102)  
Cross Section

50-Sn-116  
-99.98 To 4485. %

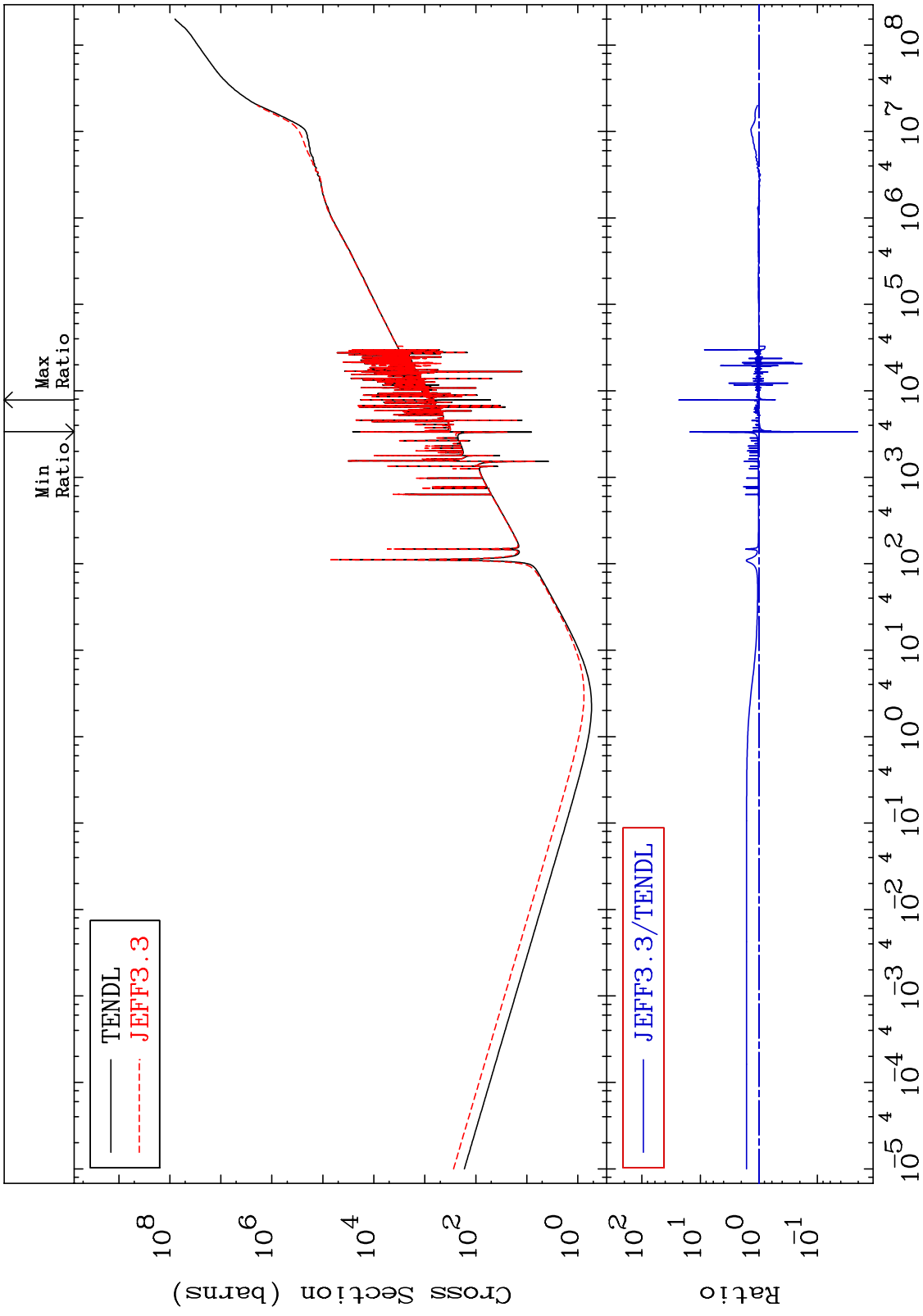


MAT 5037 Total photon (eV-barns) Cross Section 50-Sn-116 -99.99 To 2177. %





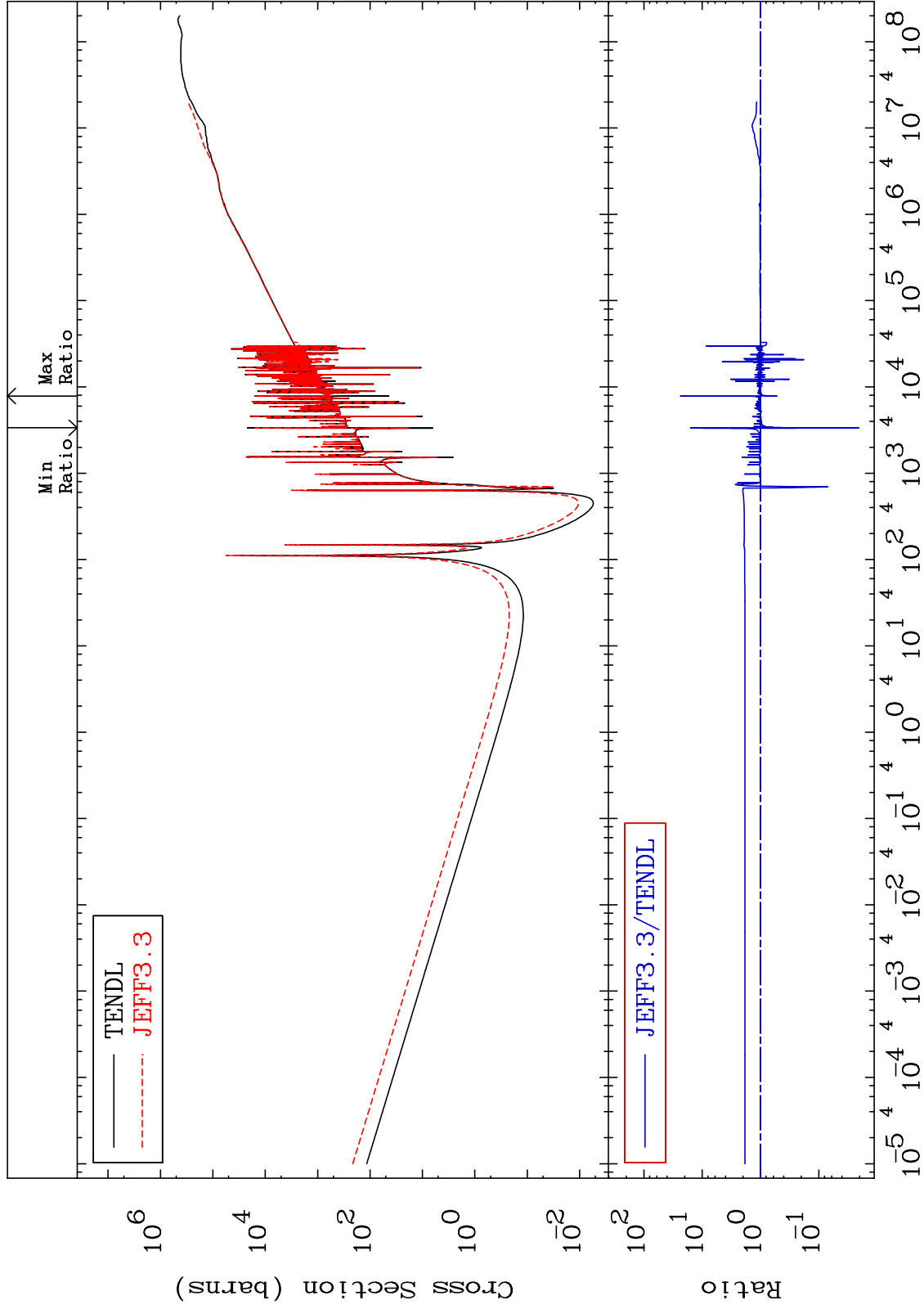
MAT 5037 Total kinematic kerma (high limit) 50-Sn-116  
Cross Section -97.97 To 2217. %



MAT 5037

Dpa total (eV-barns)  
Cross Section

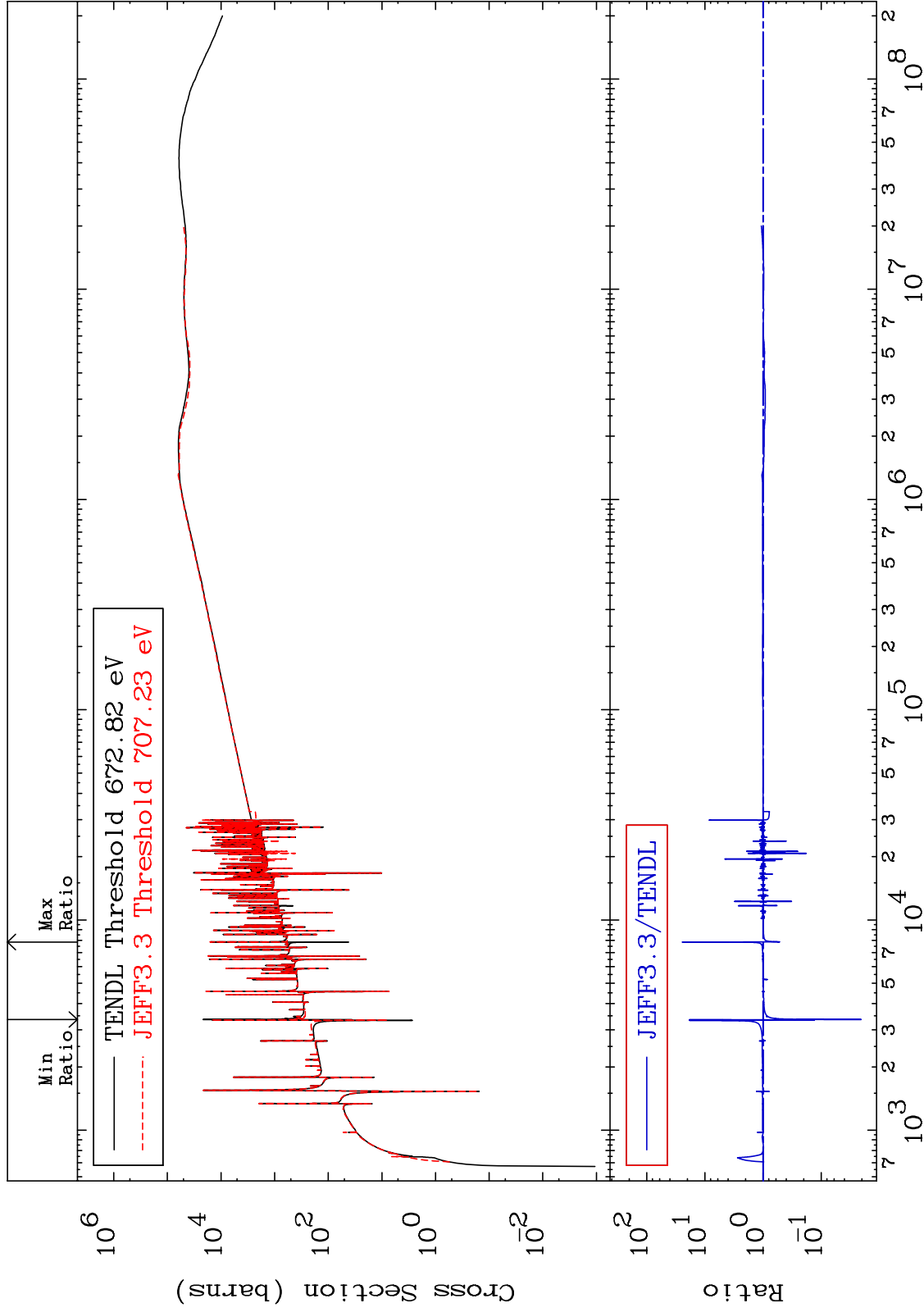
50-Sn-116  
-97.96 To 2242. %



MAT 5037

Dpa elastic (mt2)  
Cross Section

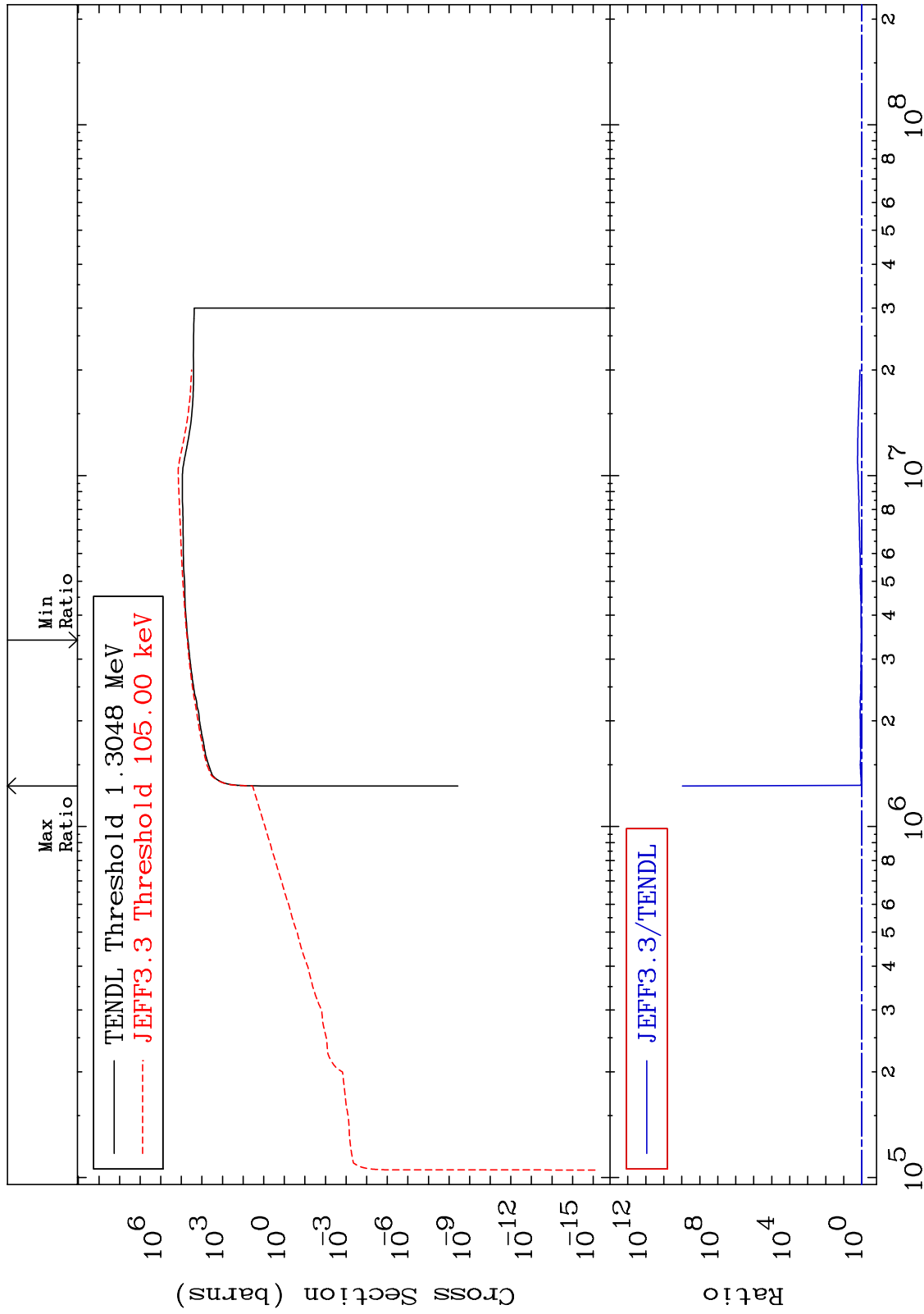
50-Sn-116  
-97.95 To 2342. %



MAT 5037

Dpa inelastic (mt51-91)  
Cross Section

50-Sn-116  
To 9999. %



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Incident Energy (eV)

50-Sn-116

MAT 5037      Dpa disappearance (mt102 -120)      50-Sn-116  
 Cross Section      -99.98 To 5312. %

