

Program Complot  
(Version 2018-1)

by

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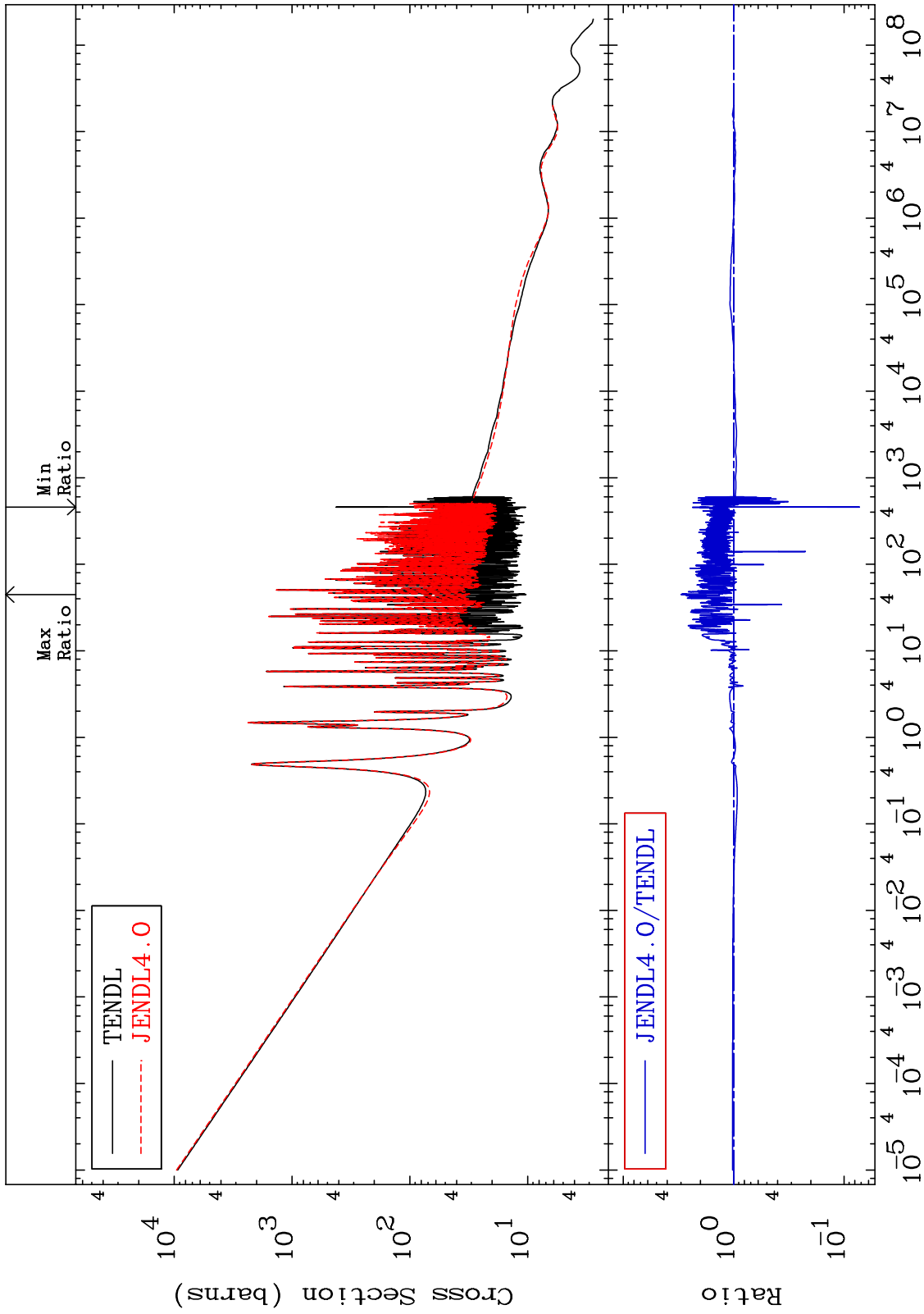
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 9346

Total  
Cross Section

93-Np-237  
-92.78 To 201.3 %



Incident Energy (eV)

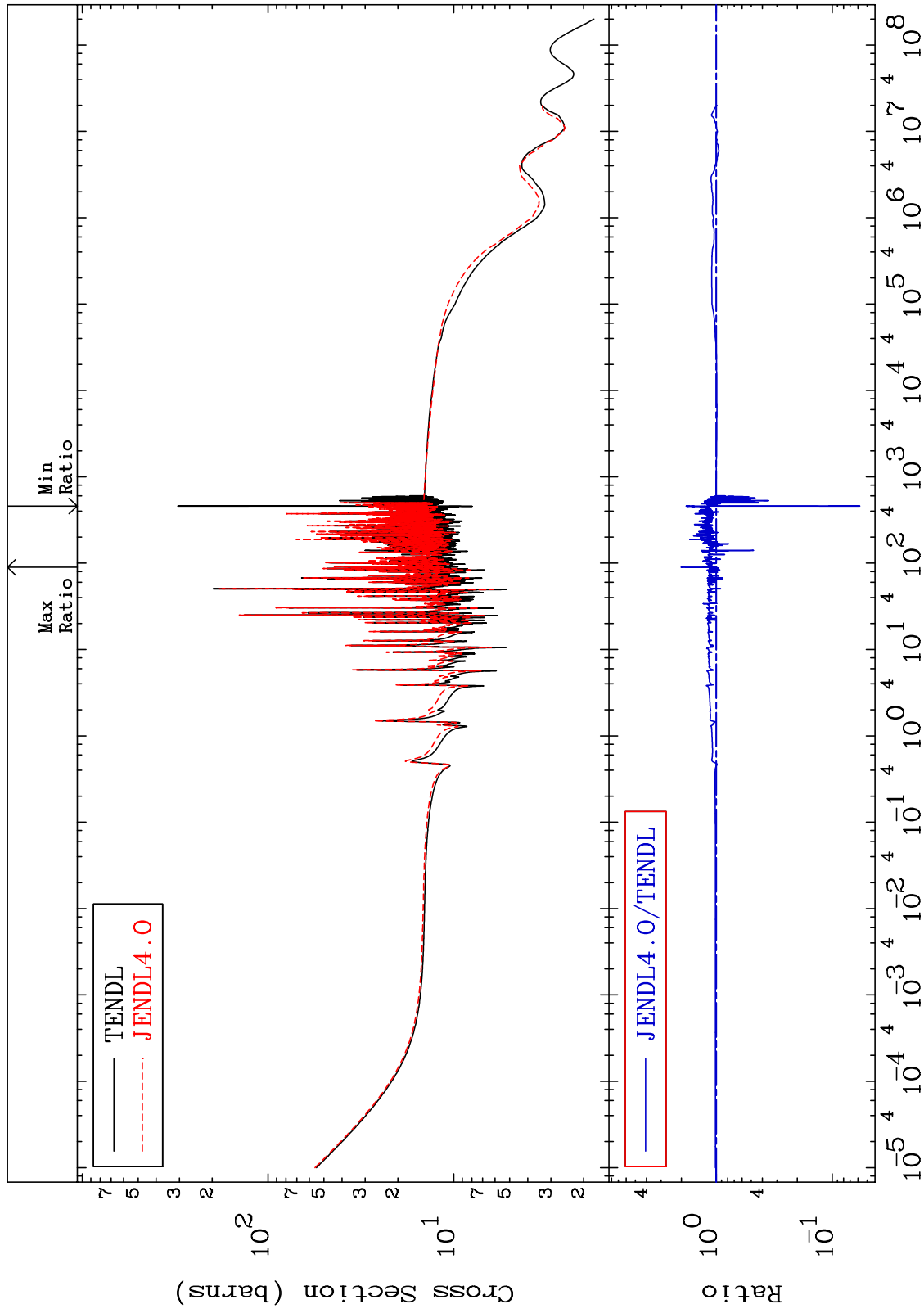
93-Np-237

MAT 9346

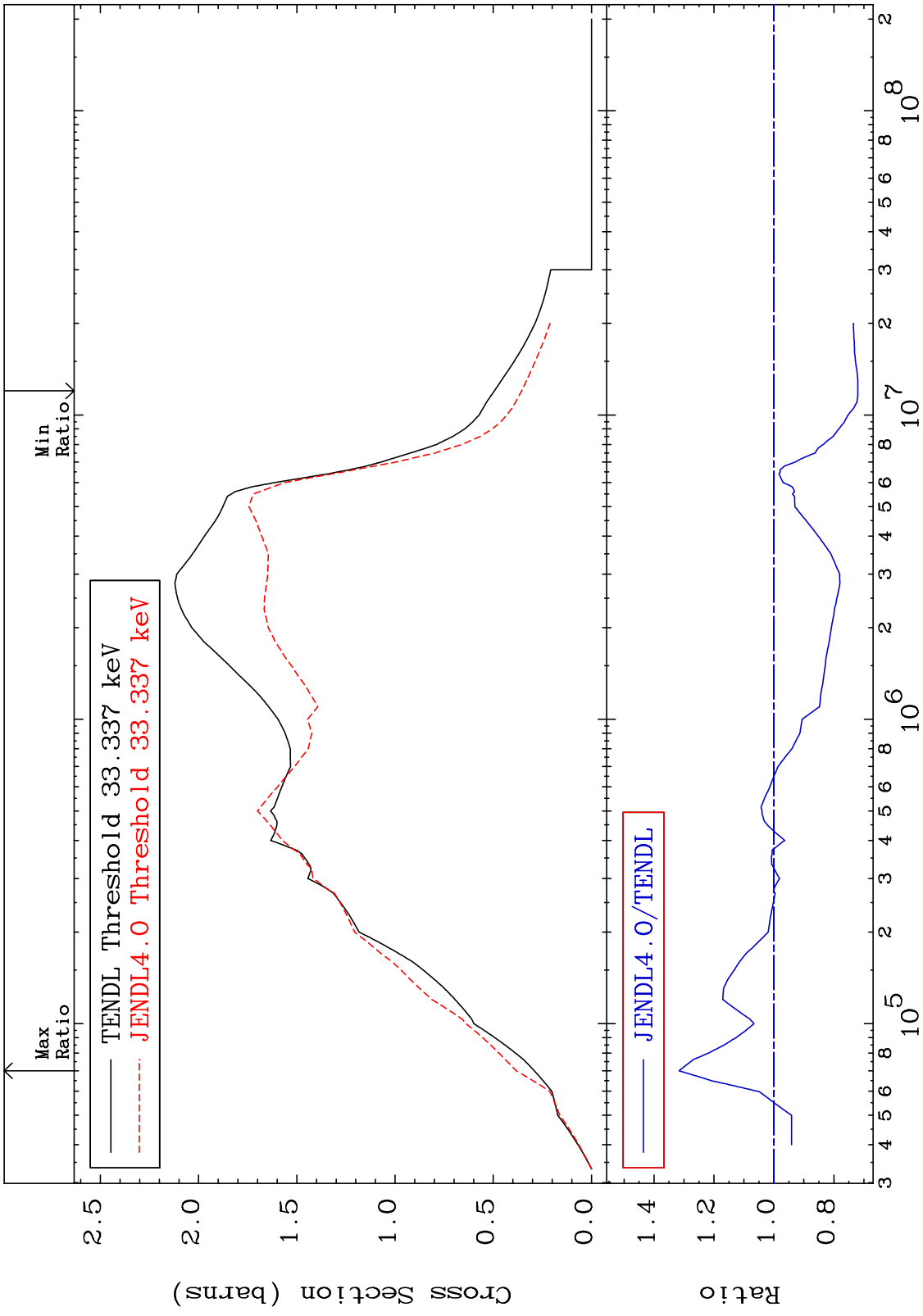
Elastic  
Cross Section

93-Np-237

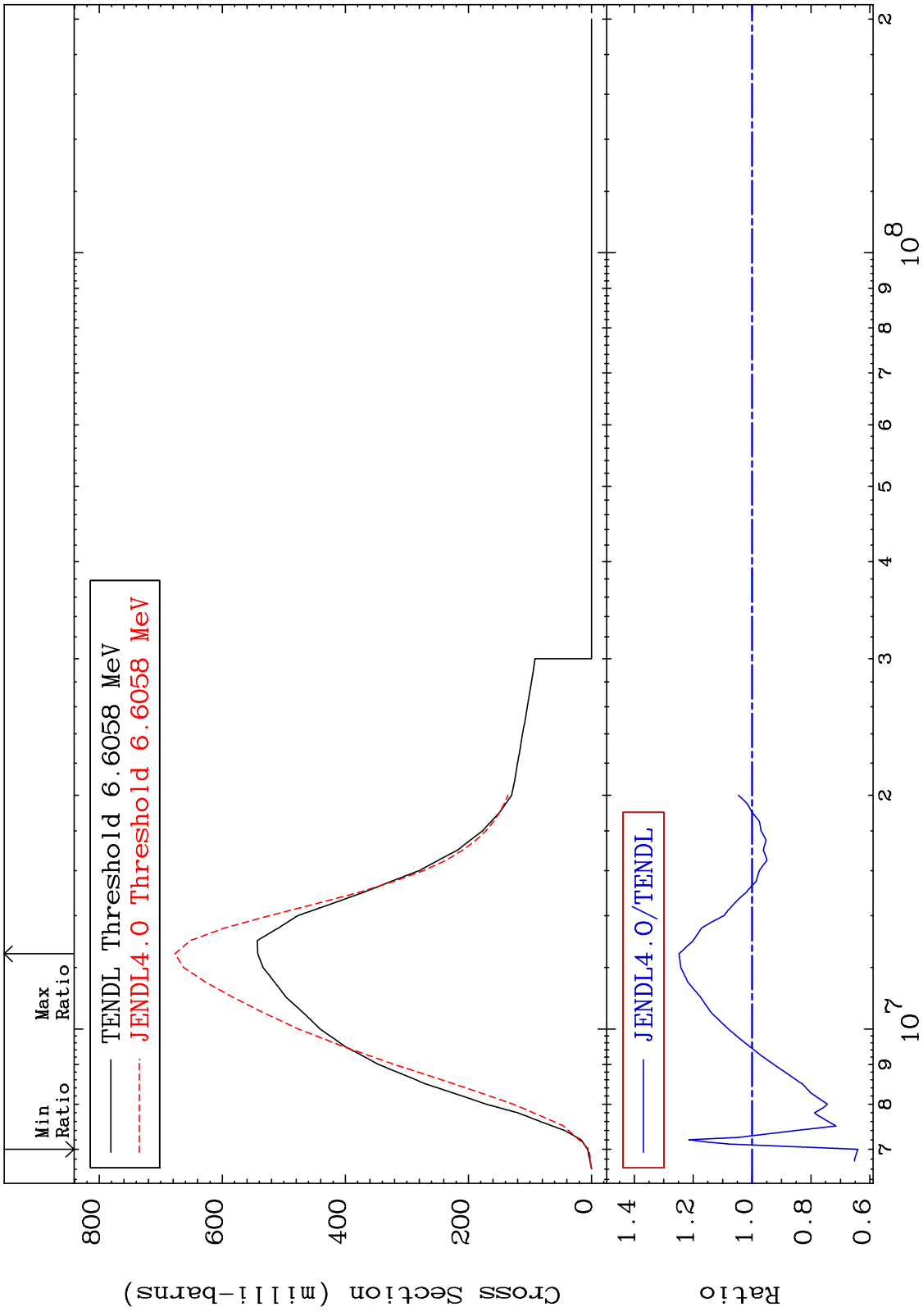
-94.21 To 100.7 %



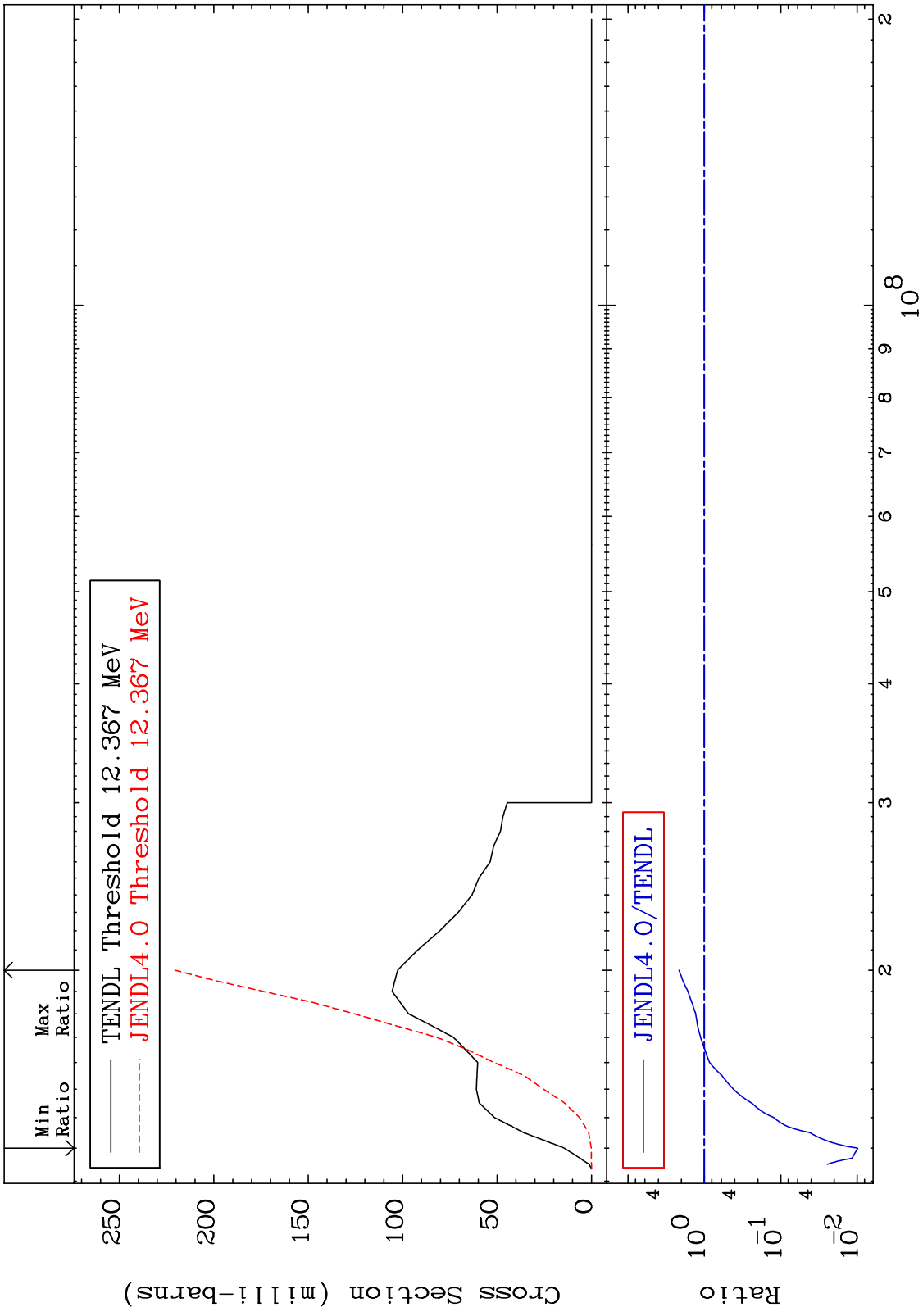
MAT 9346 Inelastic Cross Section 93-Np-237 -28.00 To 31.65 %



MAT 9346 (n,2n) Cross Section 93-Np-237 -35.92 To 24.80 %



MAT 9346 (n,3n) 93-Np-237  
Cross Section -99.02 To 114.8 %



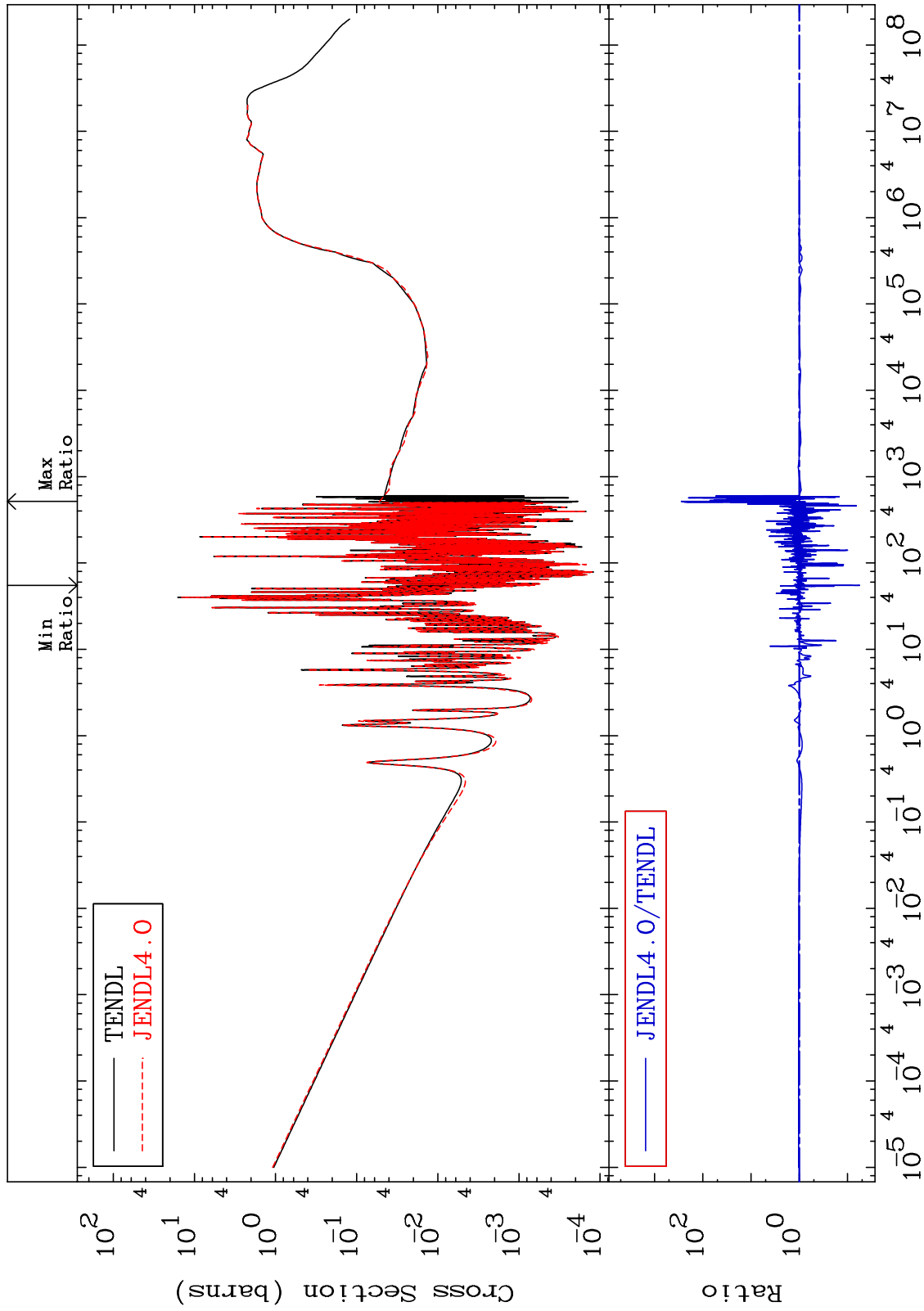
MAT 9346

Fission

93-Np-237

Cross Section

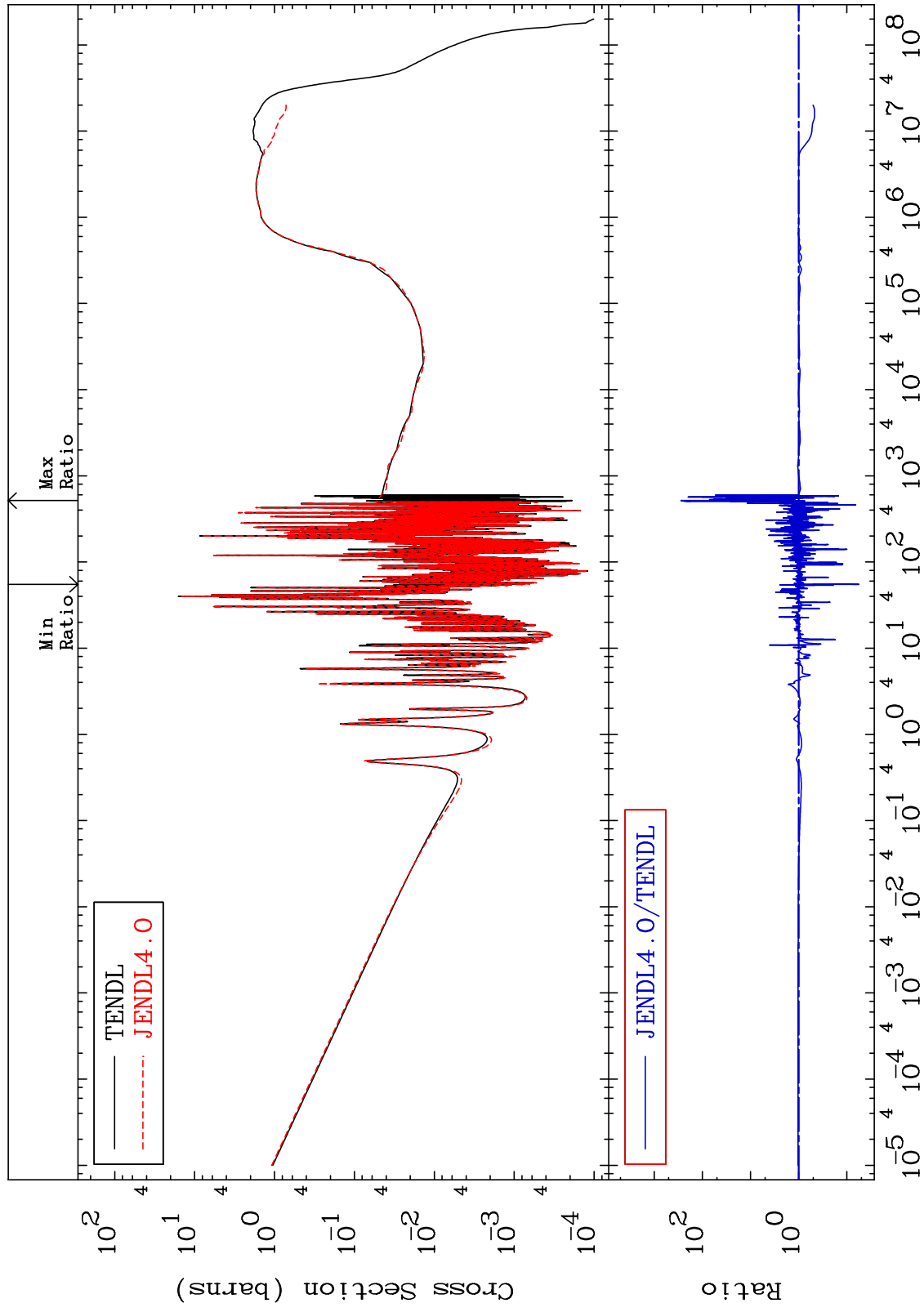
-94.42 To 9999. %



MAT 9346

(n,f) First Chance  
Cross Section

93-Np-237  
-94.42 To 9999. %



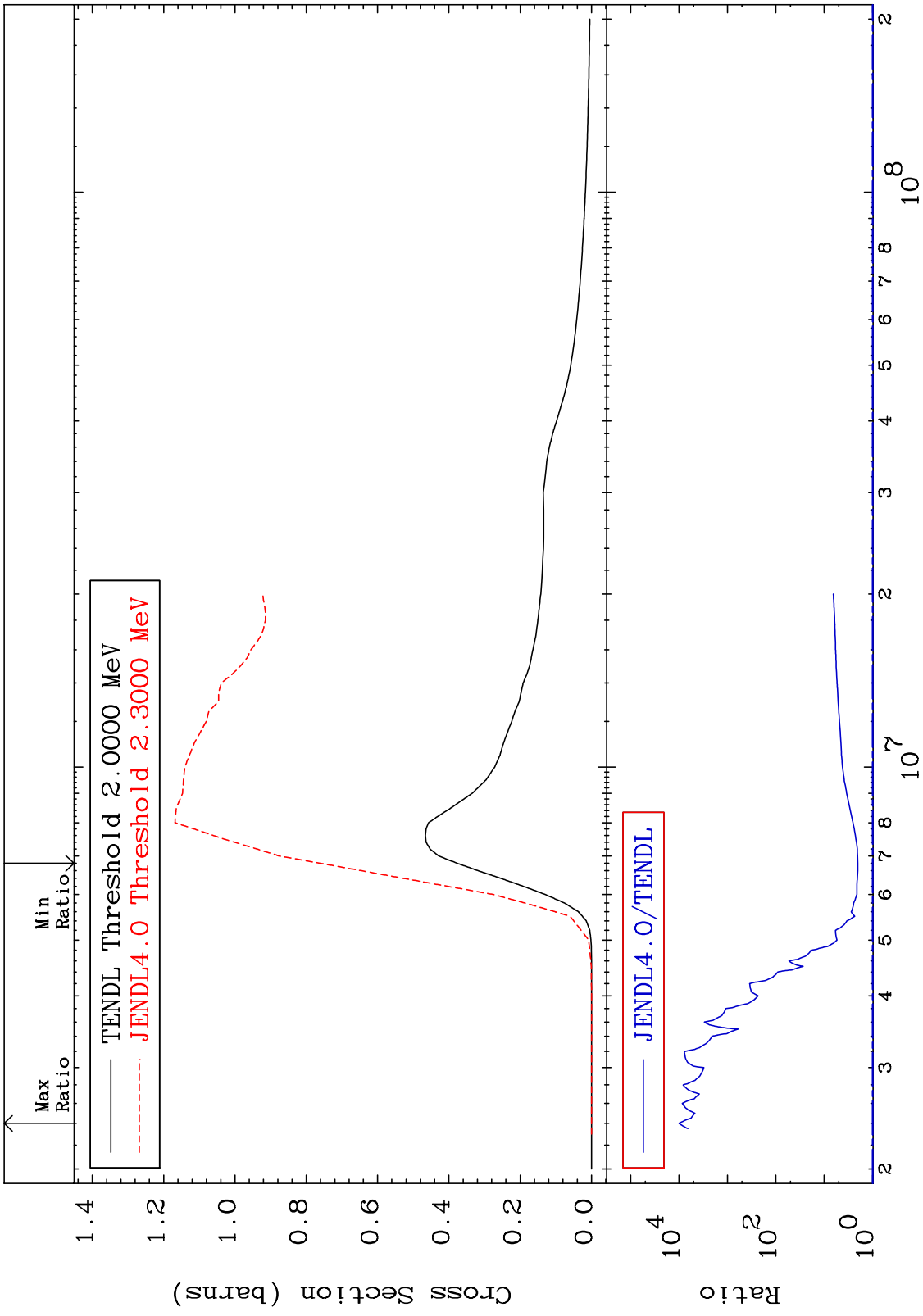
7

Incident Energy (eV)

93-Np-237



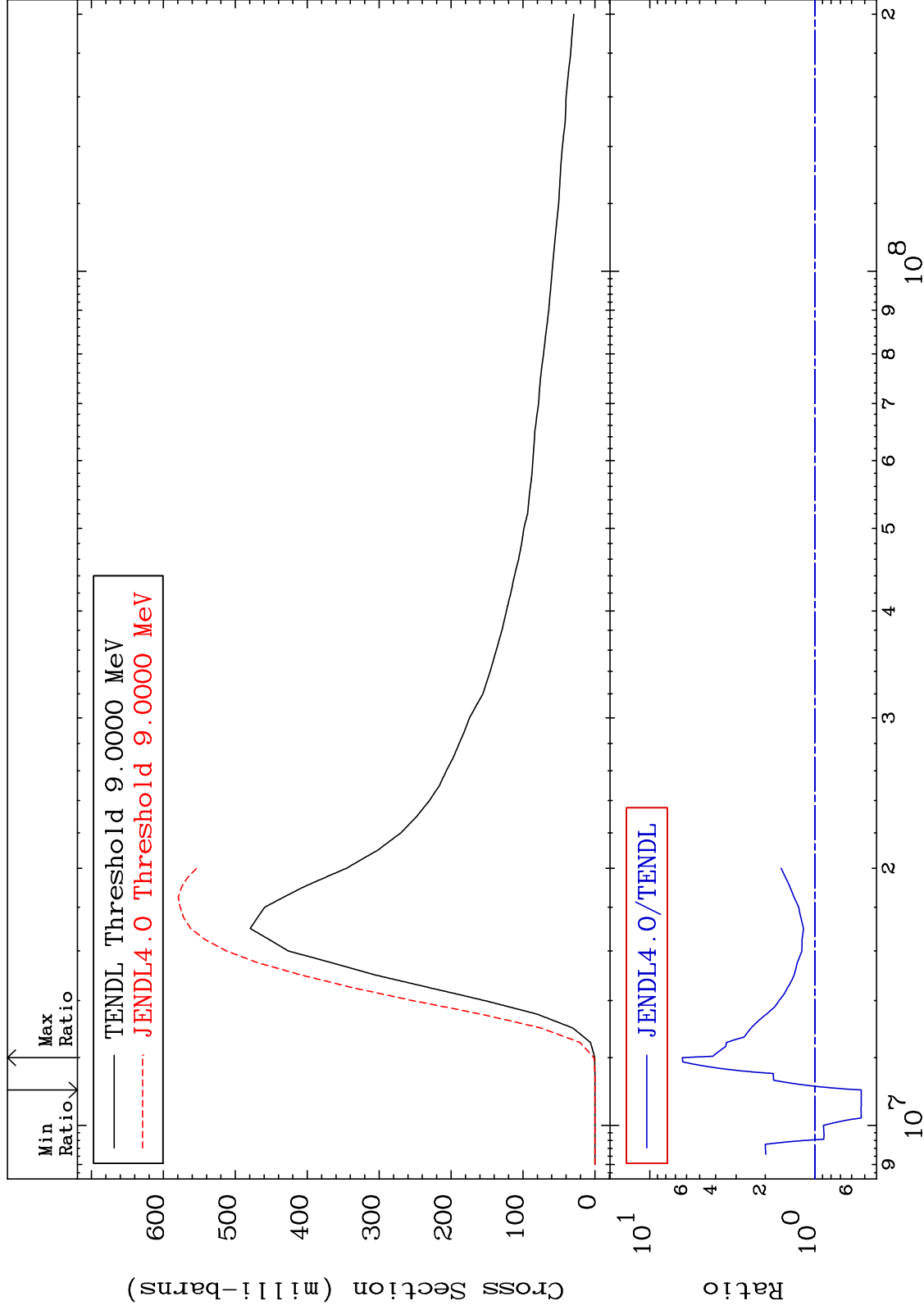
MAT 9346 (n,nf) Second Chance Cross Section 93-Np-237 101.8 To 9999. %



MAT 9346

(n,2nf) Third Chance  
Cross Section

93-Np-237  
-47.57 To 534.7 %

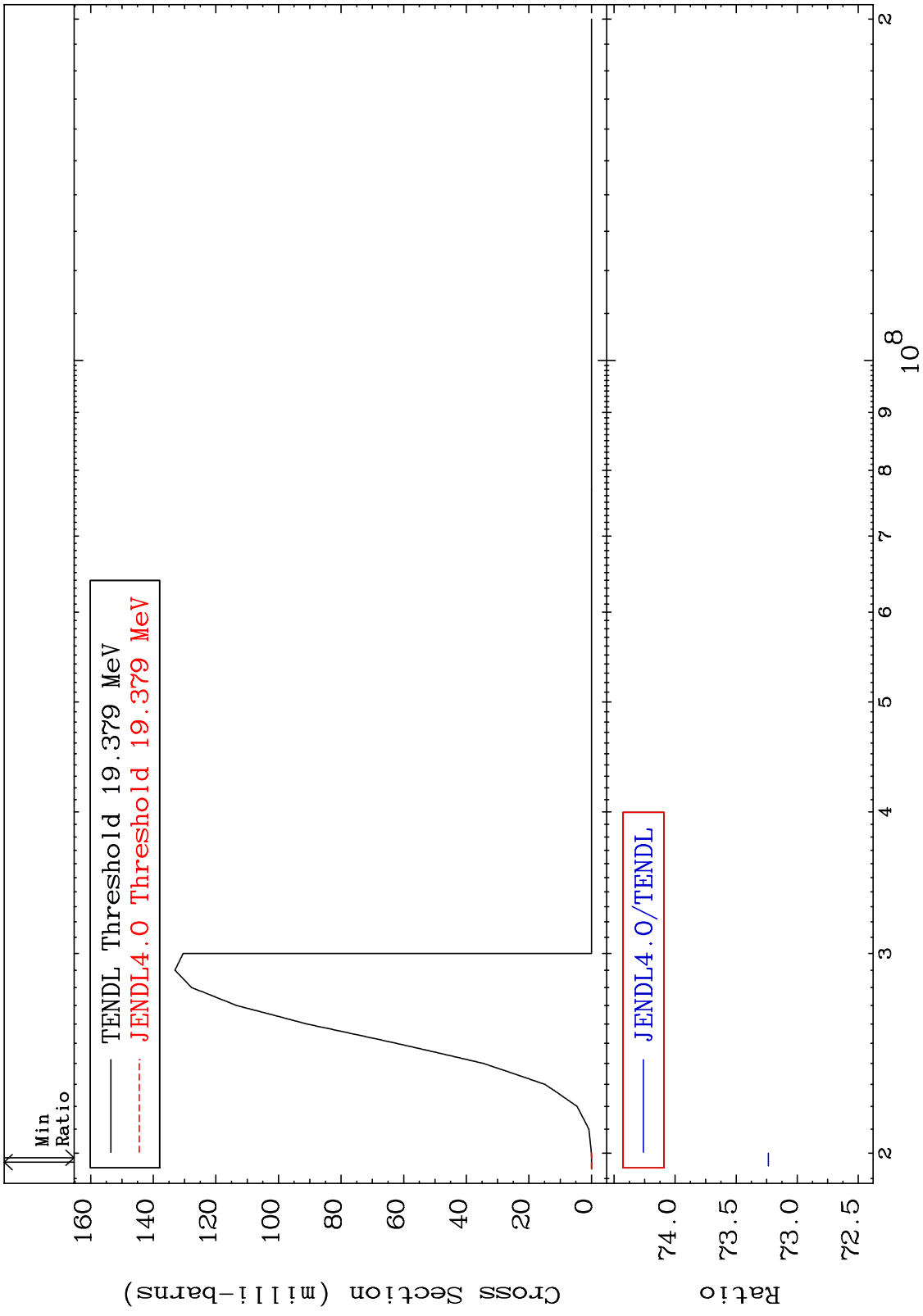


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Incident Energy (eV)

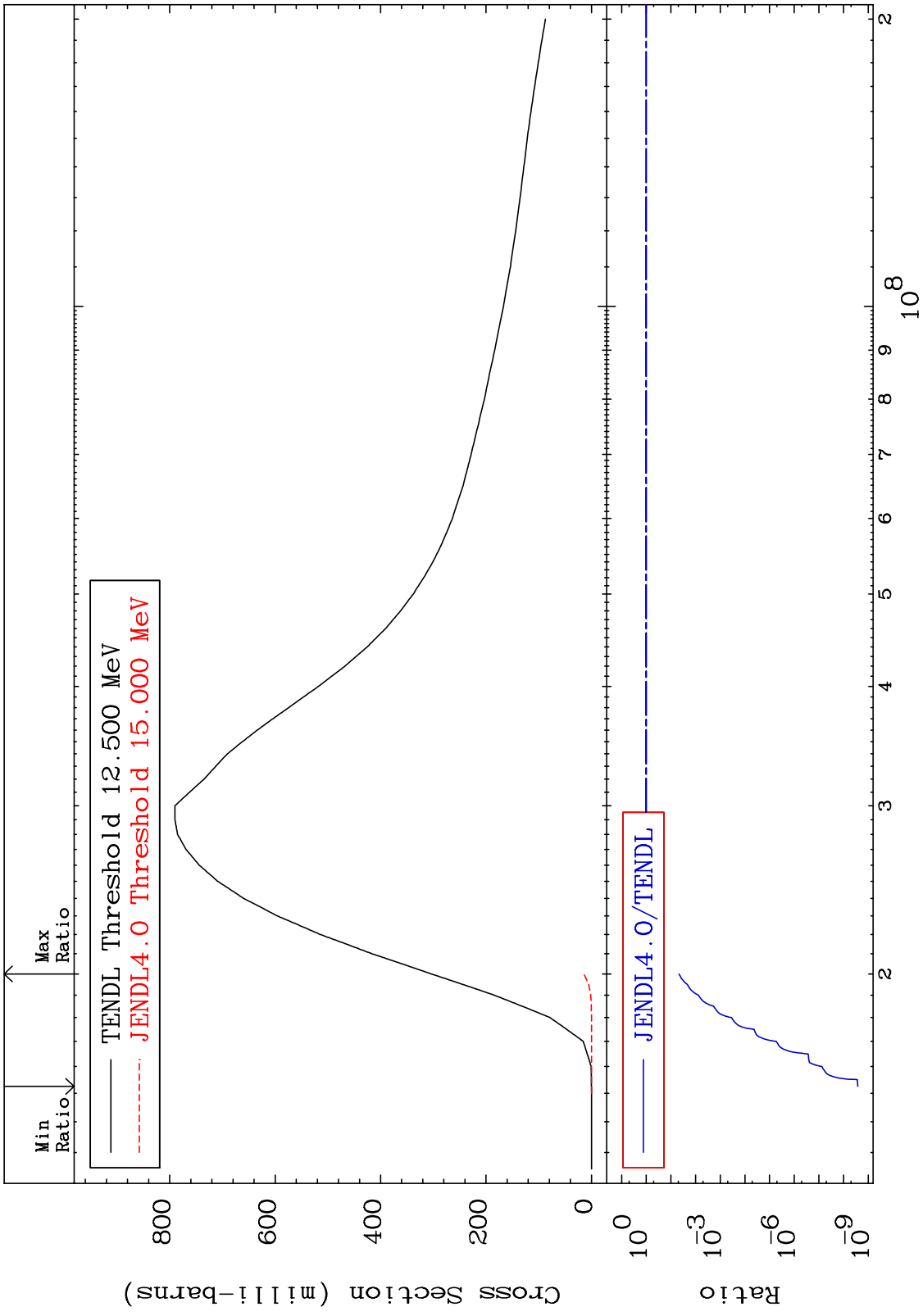
93-Np-237

MAT 9346 (n,4n) Cross Section 93-Np-237 -99.99 To -99.99%

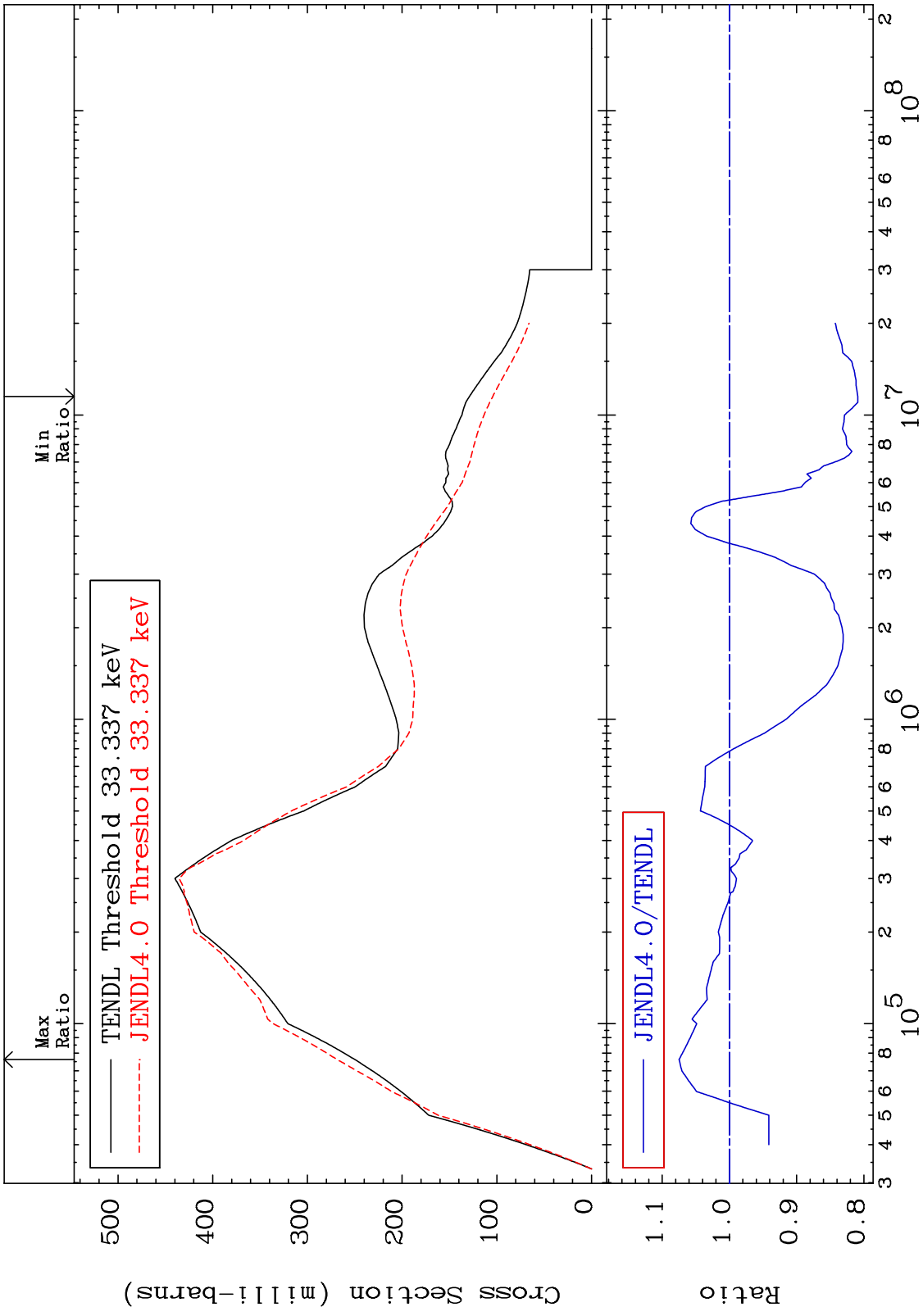


10 Incident Energy (eV) 93-Np-237

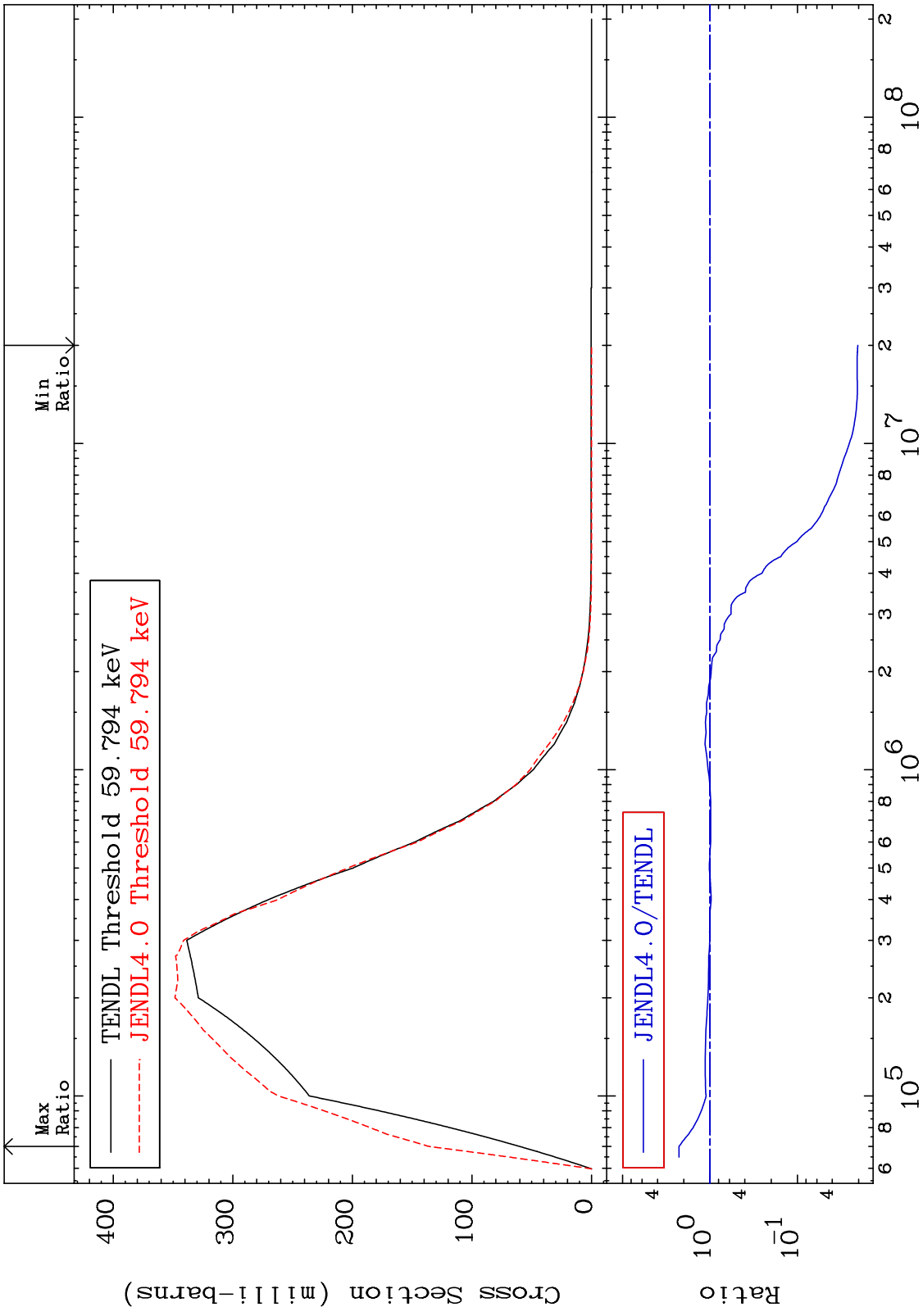
MAT 9346 (n,3nf) Fourth Chance Cross Section 93-Np-237 -100.0 To -95.32%



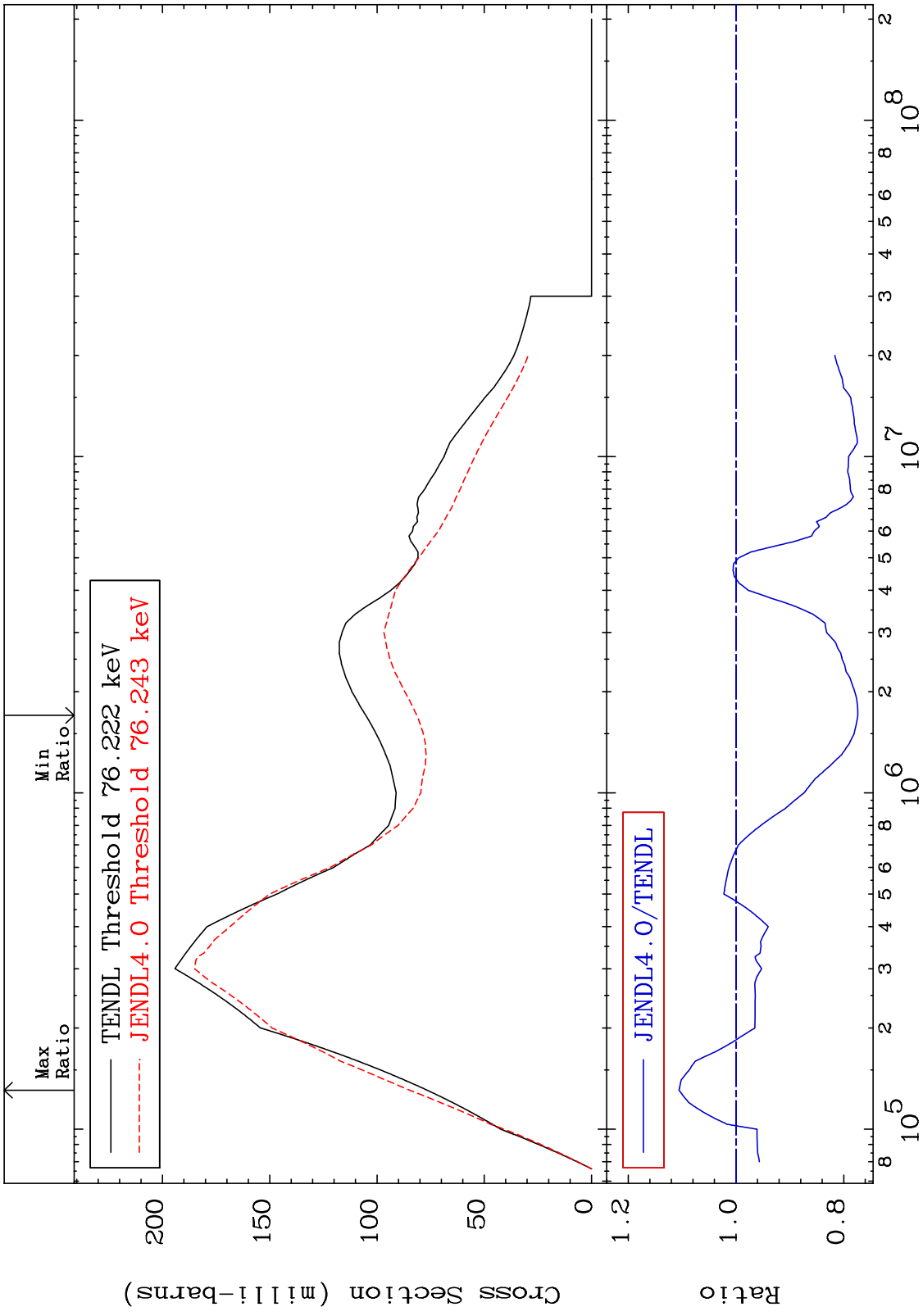
MAT 9346 MT= 51 (n,n') Level Cross Section -19.11 To 7.501 % 93-Np-237



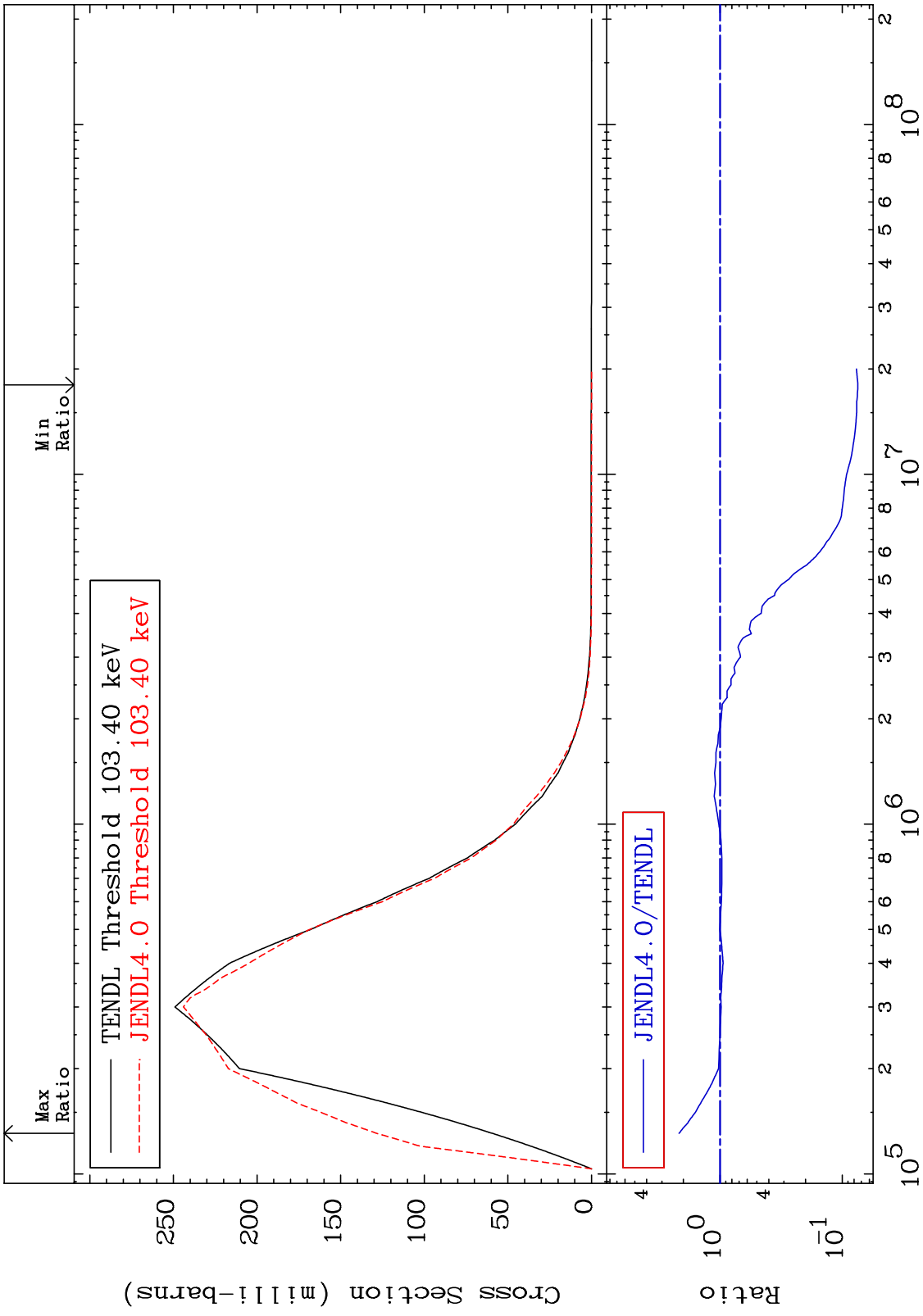
MAT 9346      MT= 52 (n,n') Level Cross Section      93-Np-237  
 -97.96 To 126.5 %



MAT 9346 MT= 53 (n,n') Level Cross Section 93-Np-237  
 -22.62 To 10.58 %



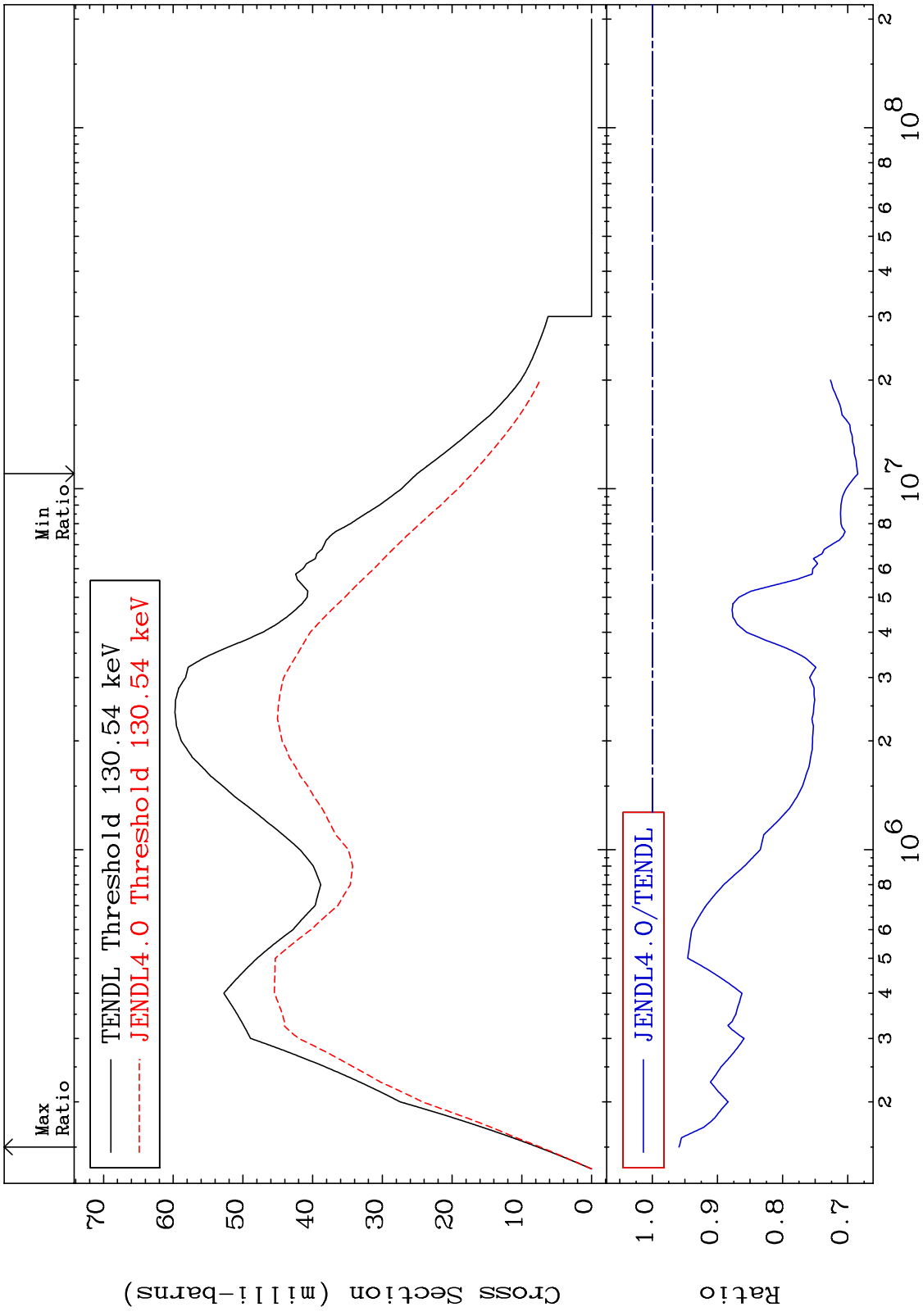
MAT 9346 MT= 54 (n,n') Level Cross Section 93-Np-237 -92.54 To 116.9 %



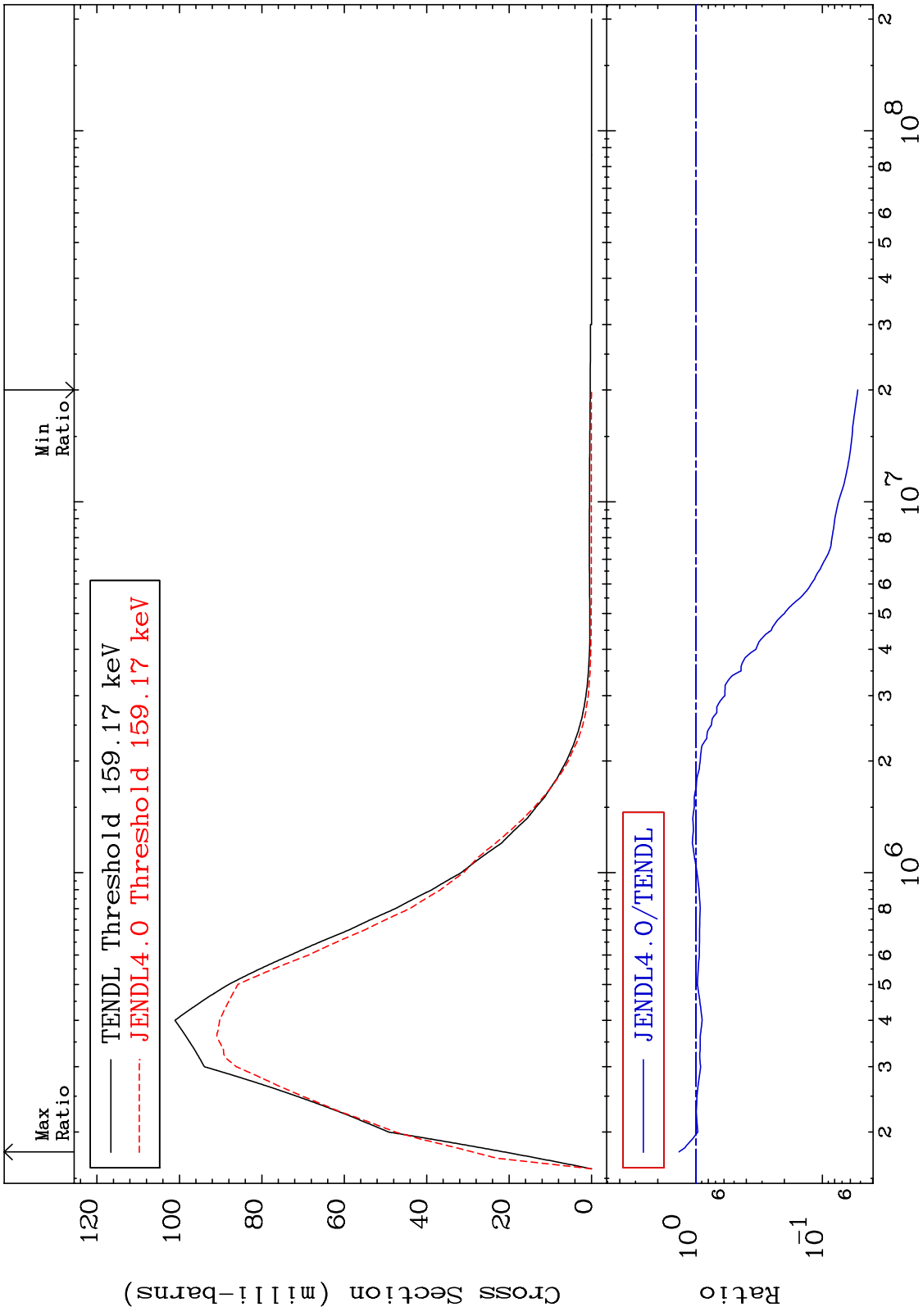
15 15 93-Np-237



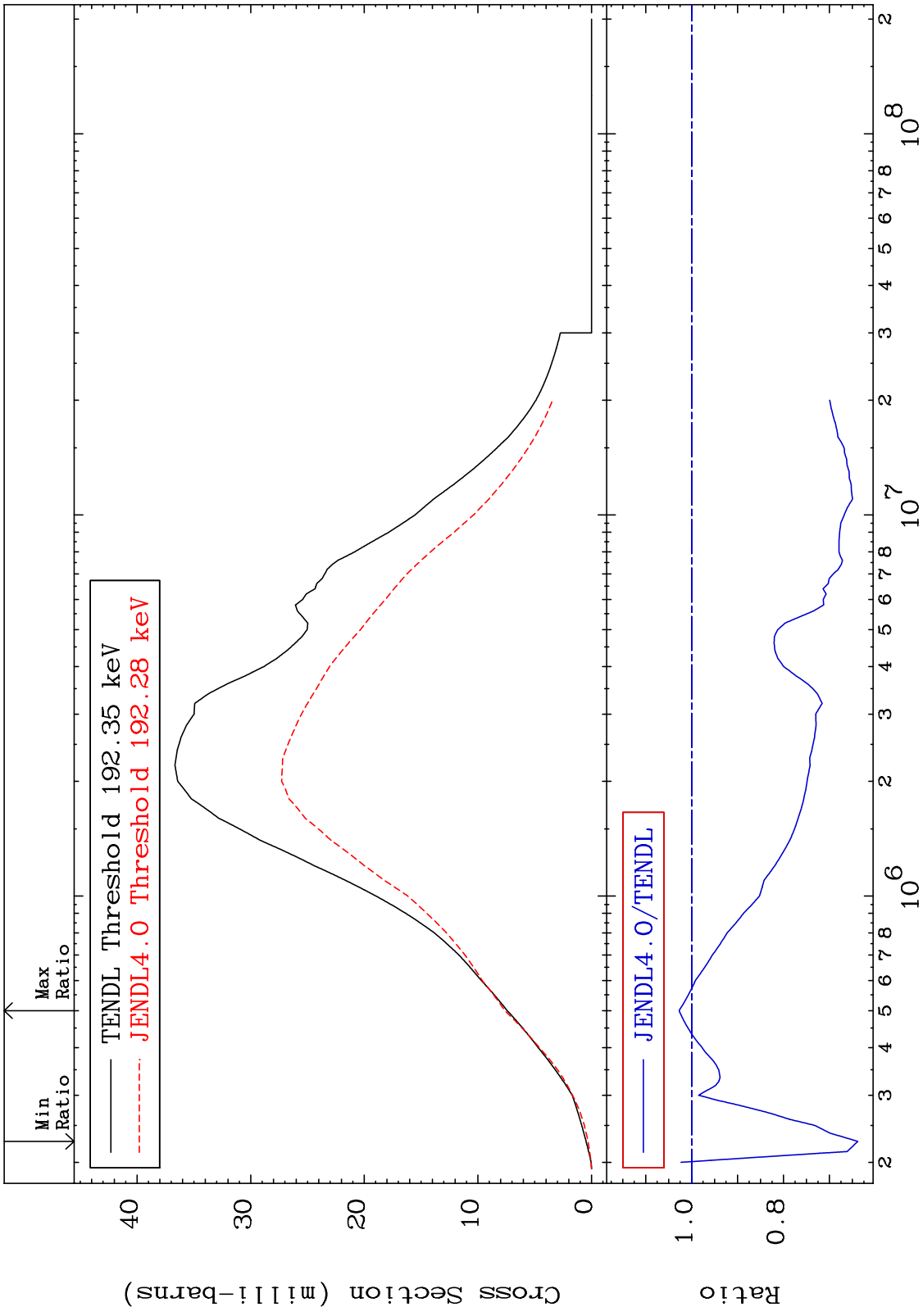
MAT 9346 MT= 55 (n,n') Level Cross Section 93-Np-237  
 -31.54 To -4.094%



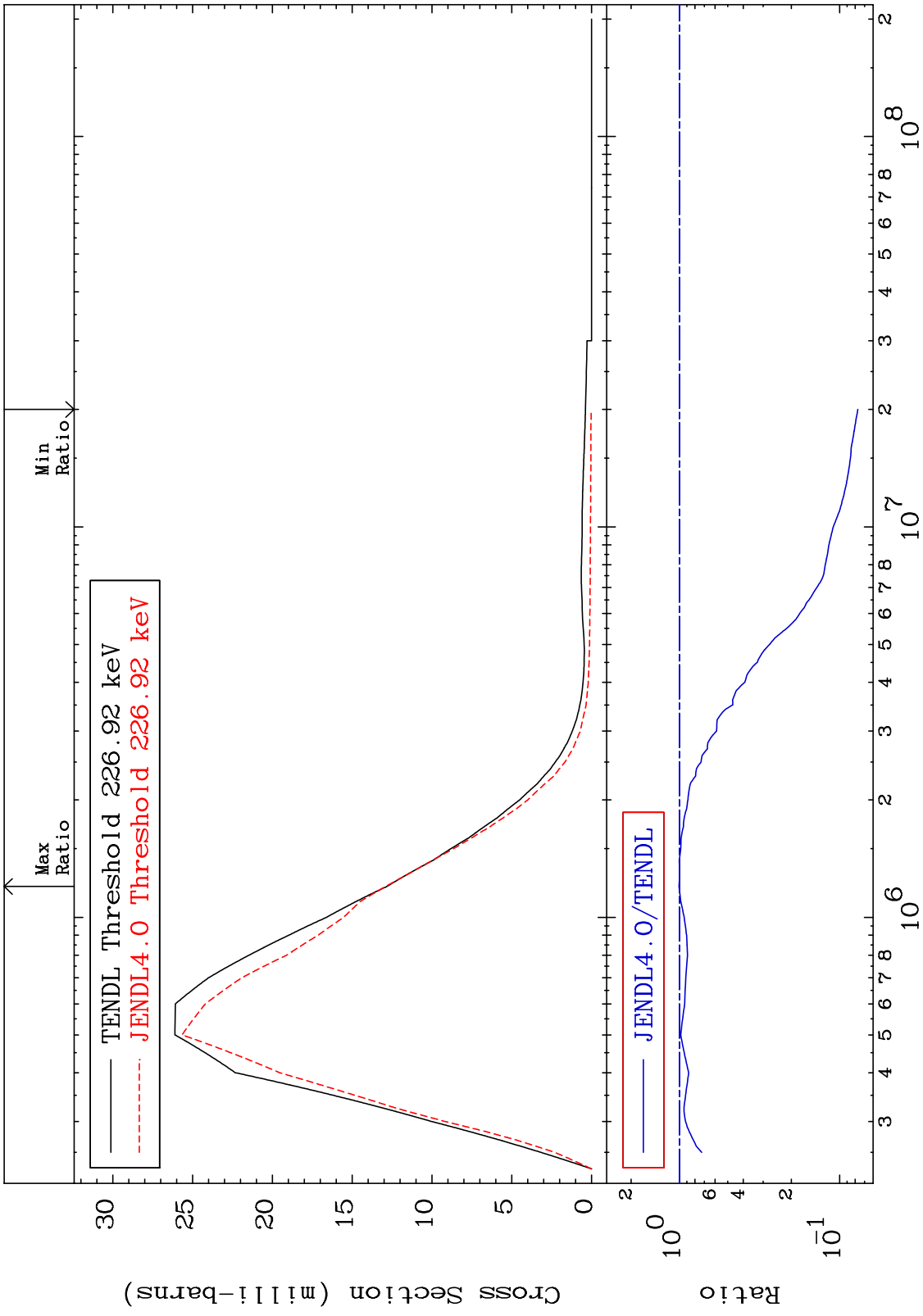
MAT 9346 MT= 56 (n,n') Level Cross Section 93-Np-237  
 -94.75 To 35.97 %



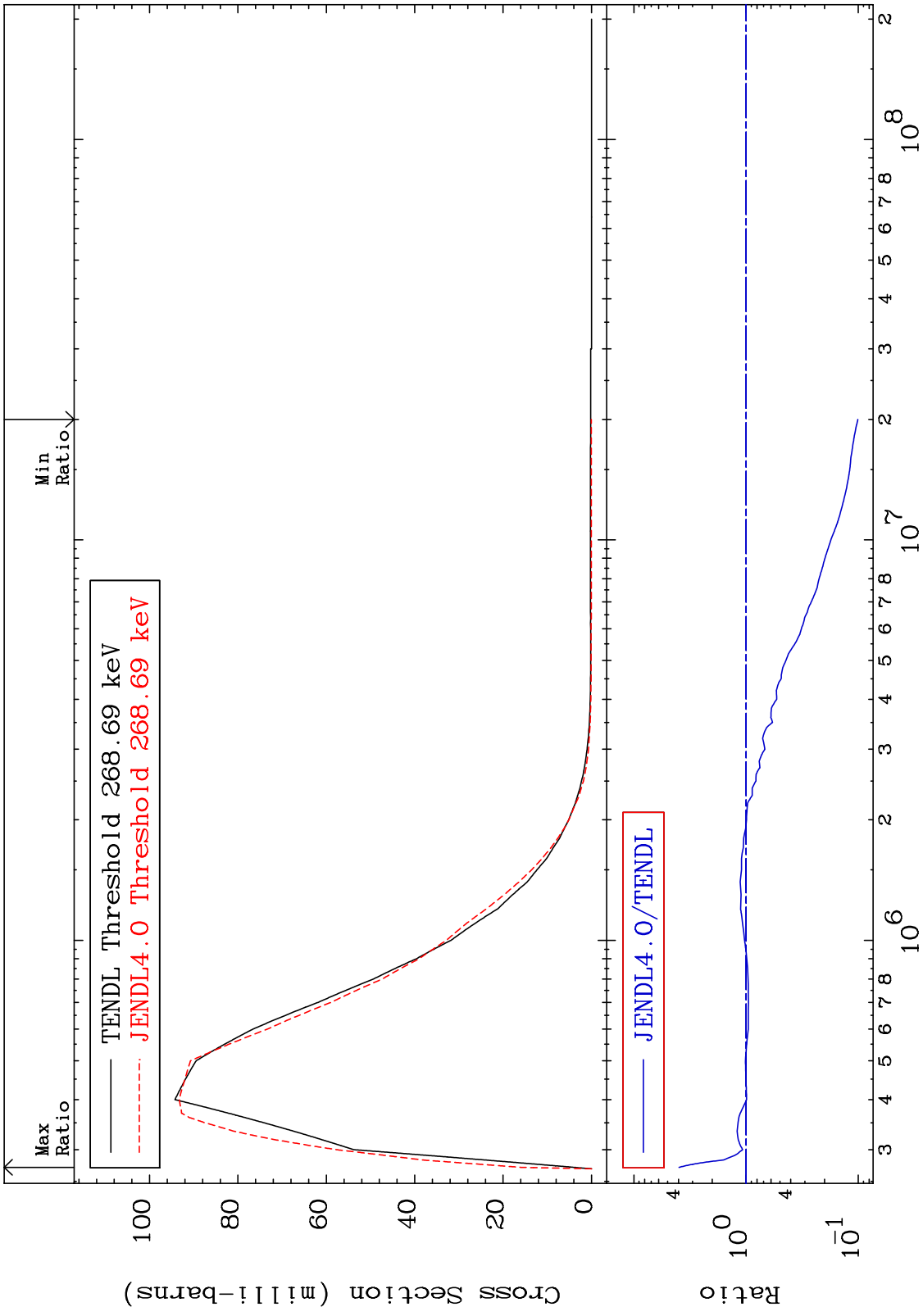
MAT 9346 MT= 57 (n,n') Level Cross Section 93-Np-237  
 -36.18 To 2.739 %



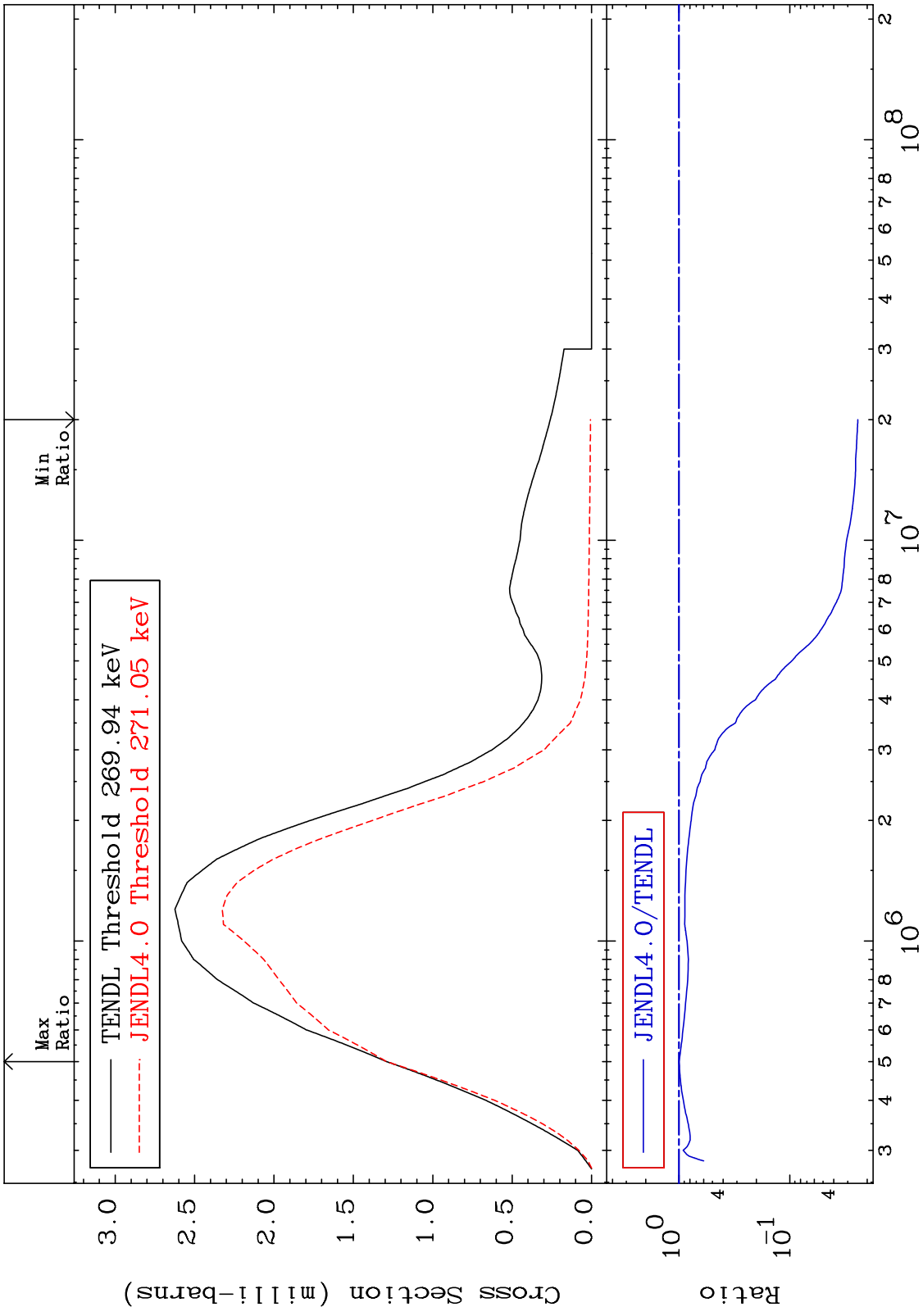
MAT 9346 MT= 58 (n,n') Level Cross Section 93-Np-237 -92.30 To 0.563 %



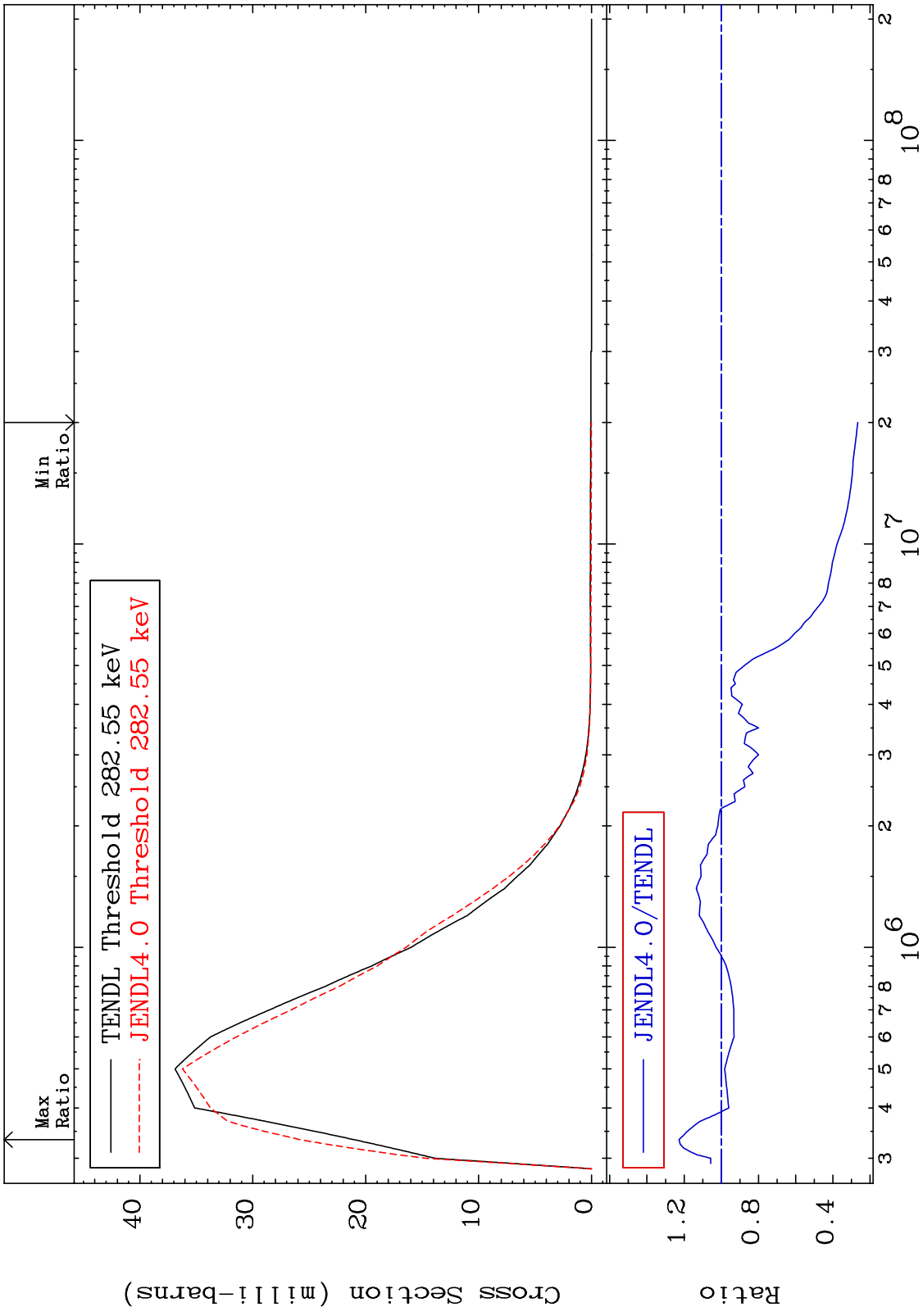
MAT 9346 MT= 59 (n,n') Level Cross Section 93-Np-237  
 -89.90 To 295.7 %



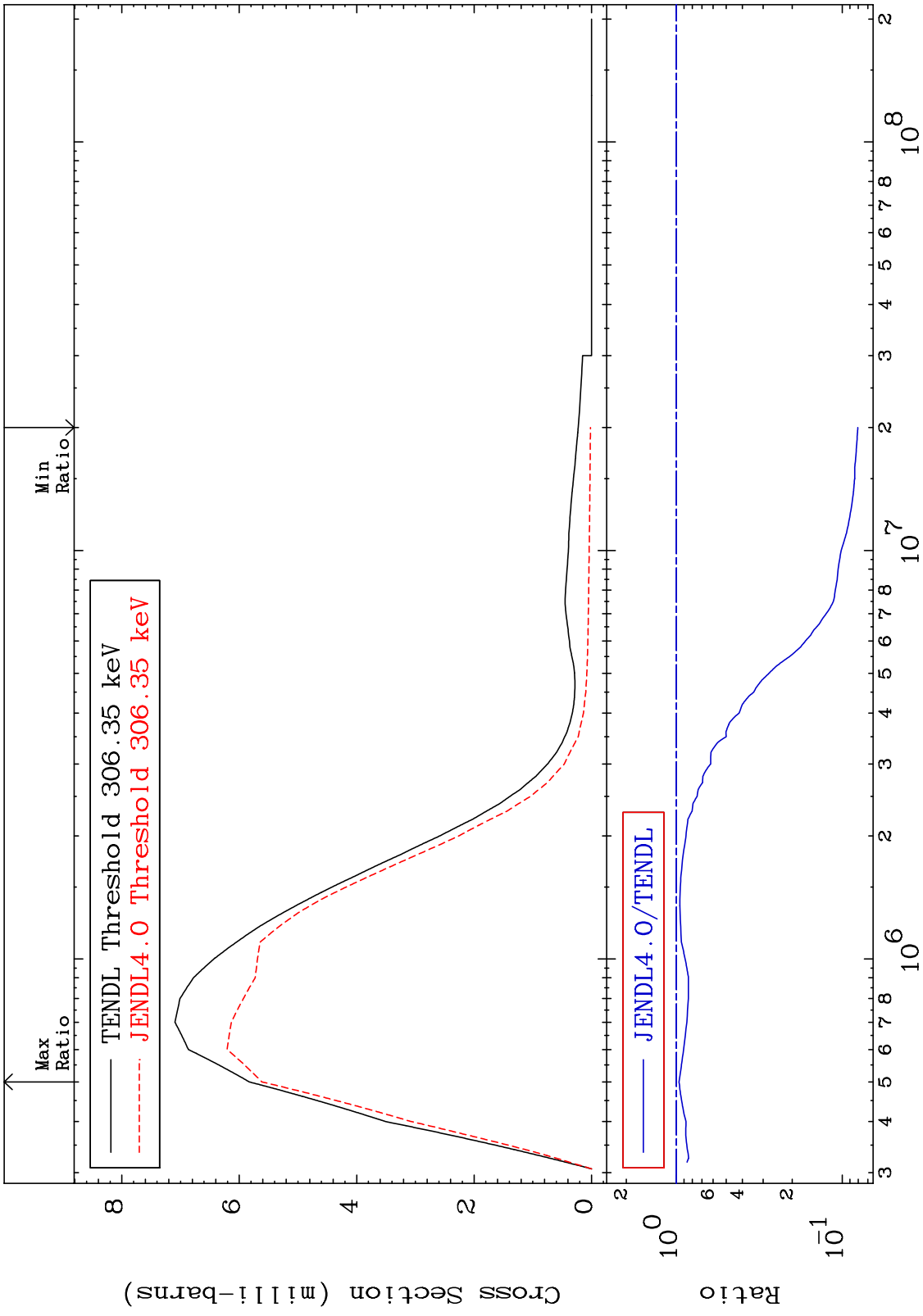
MAT 9346 MT= 60 (n,n') Level Cross Section 93-Np-237 -97.57 To 0.074 %



MAT 9346 MT= 61 (n,n') Level Cross Section 93-Np-237  
 -73.40 To 22.73 %

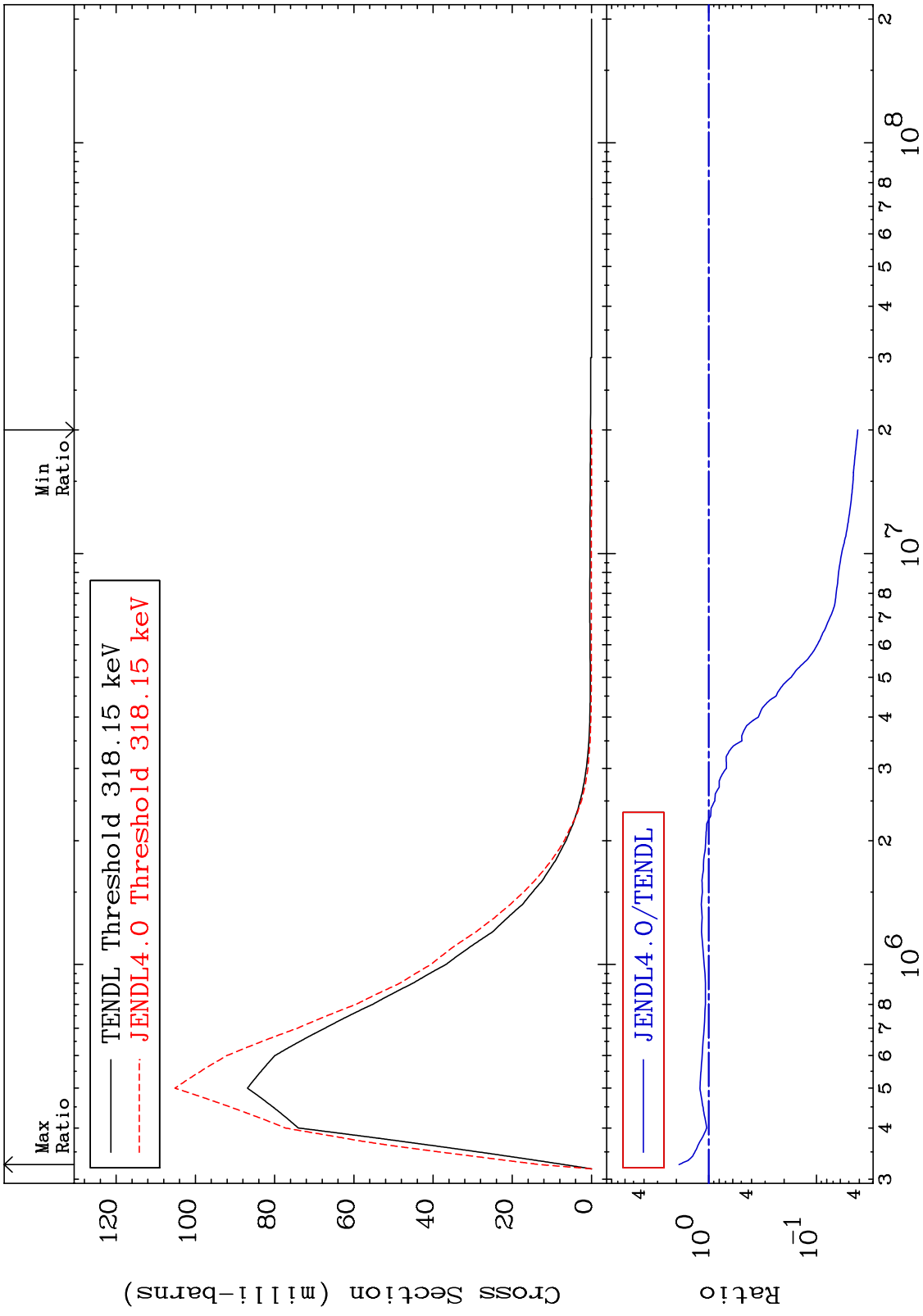


MAT 9346 MT= 62 (n,n') Level Cross Section 93-Np-237  
 -91.95 To -3.694%

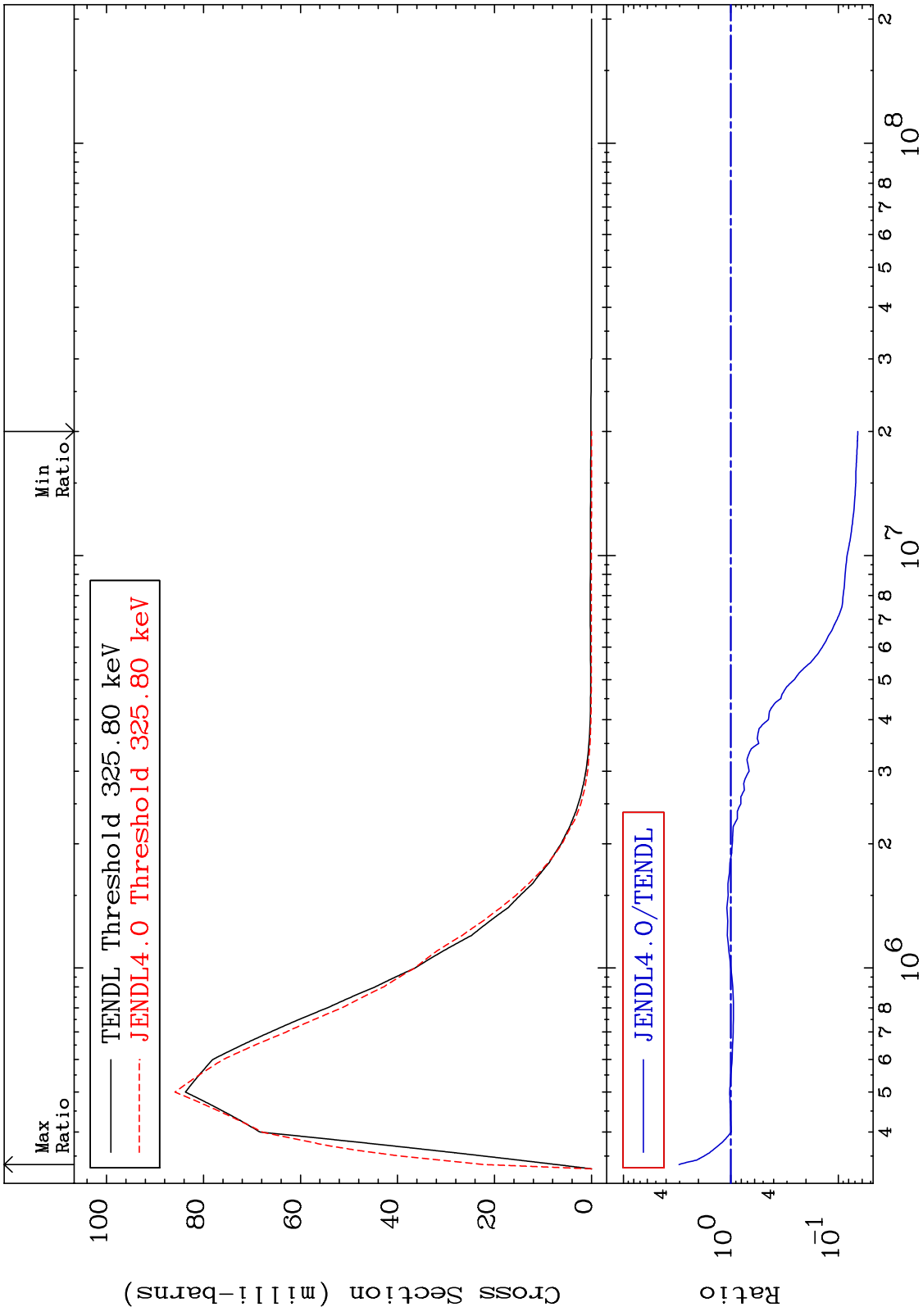




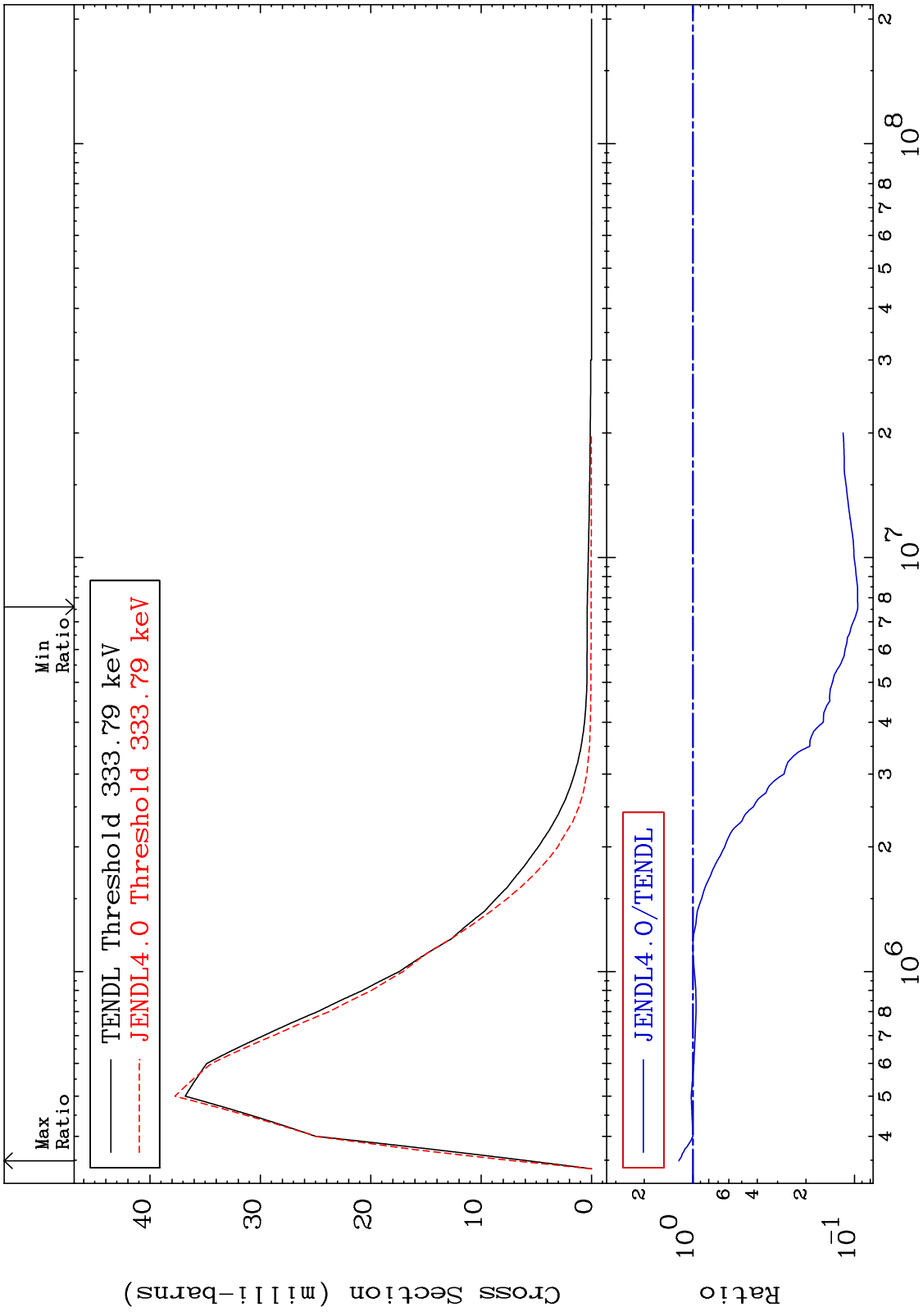
MAT 9346 MT= 63 (n,n') Level Cross Section 93-Np-237 -95.88 To 89.00 %



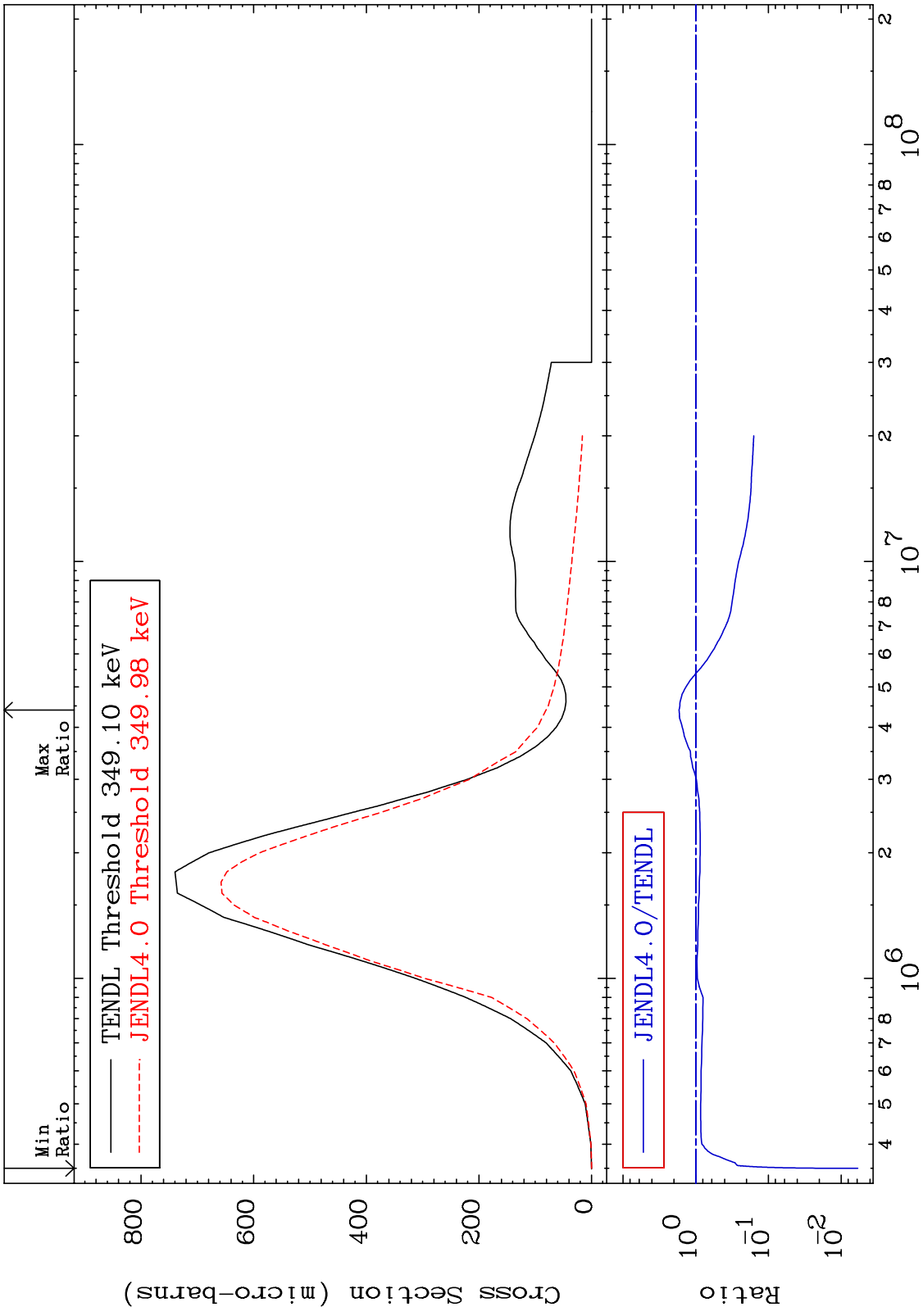
MAT 9346 MT= 64 (n,n') Level Cross Section 93-Np-237  
 -93.42 To 203.6 %



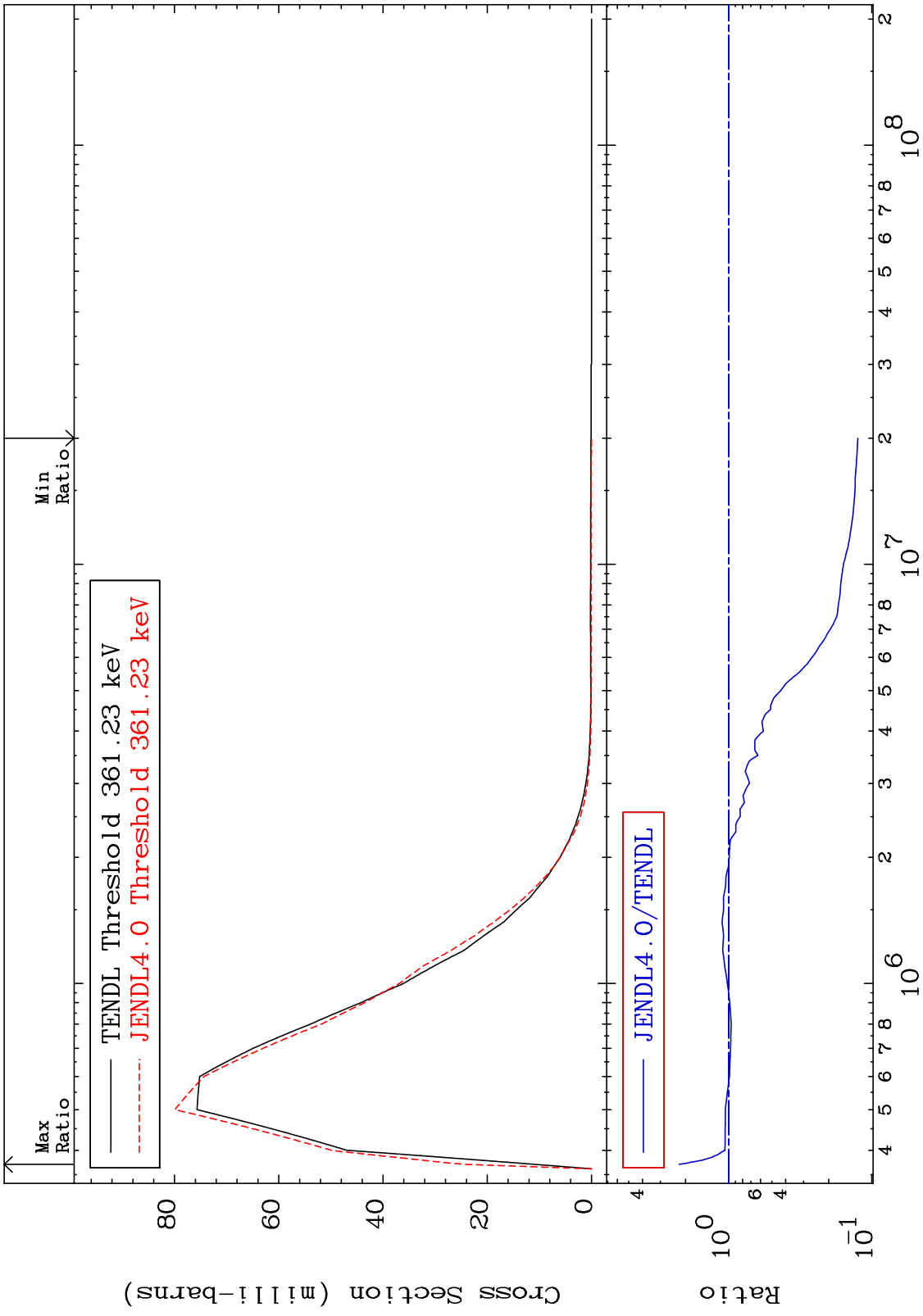
MAT 9346 MT= 65 (n,n') Level Cross Section -90.45 To 21.96 % 93-Np-237



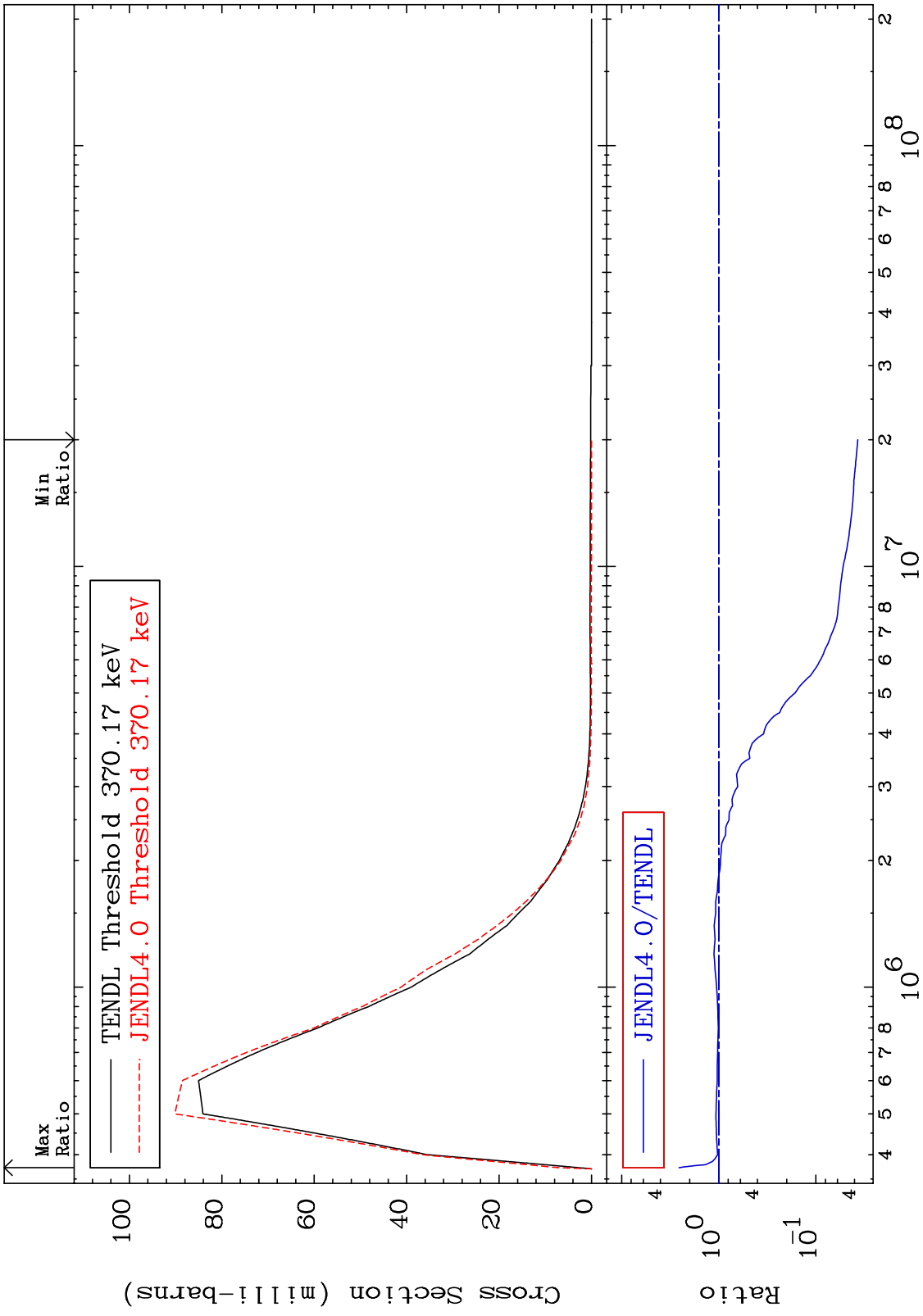
MAT 9346 MT= 66 (n,n') Level Cross Section 93-Np-237  
 -99.41 To 69.63 %



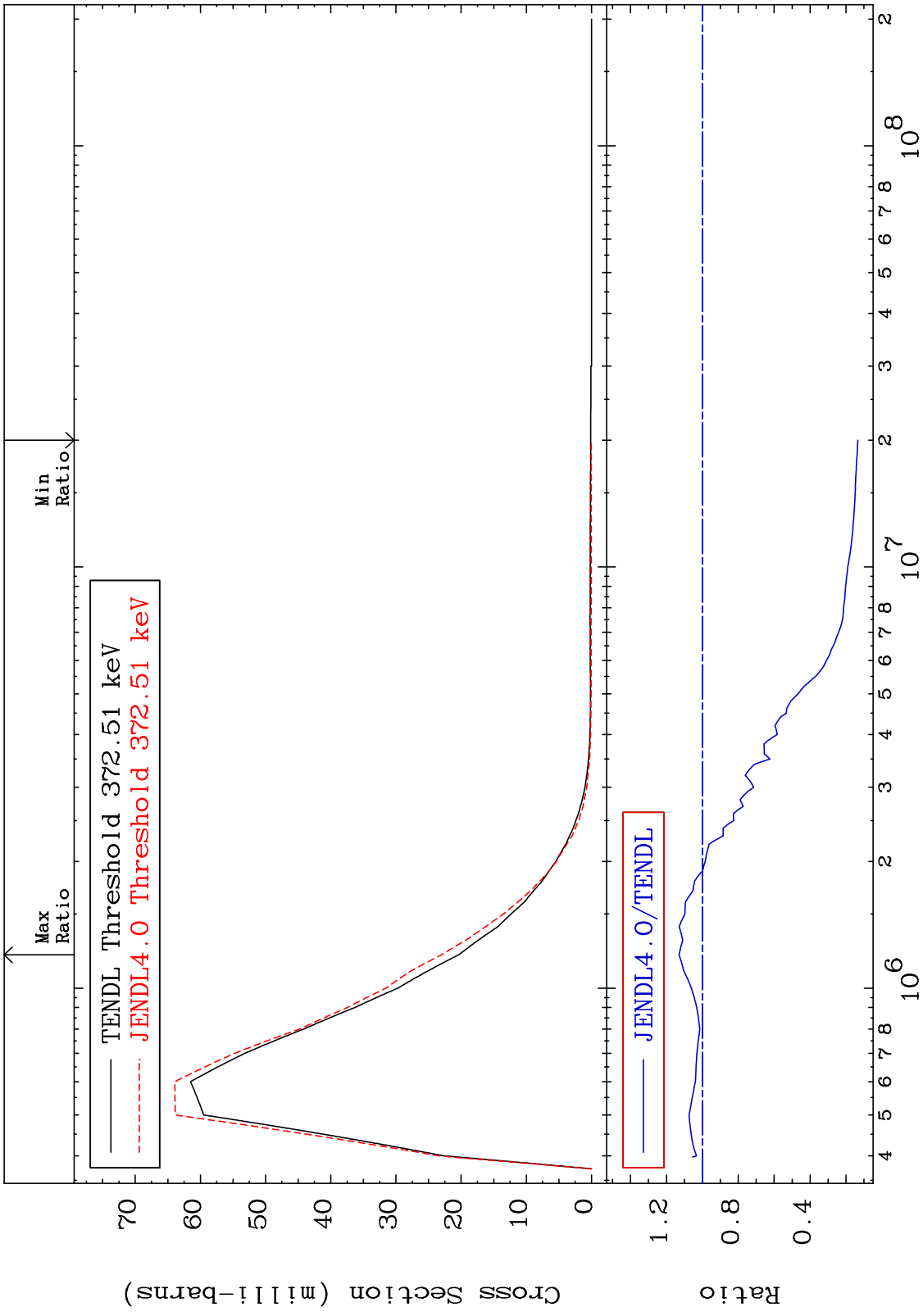
MAT 9346 MT= 67 (n,n') Level Cross Section 93-Np-237 -87.47 To 122.3 %



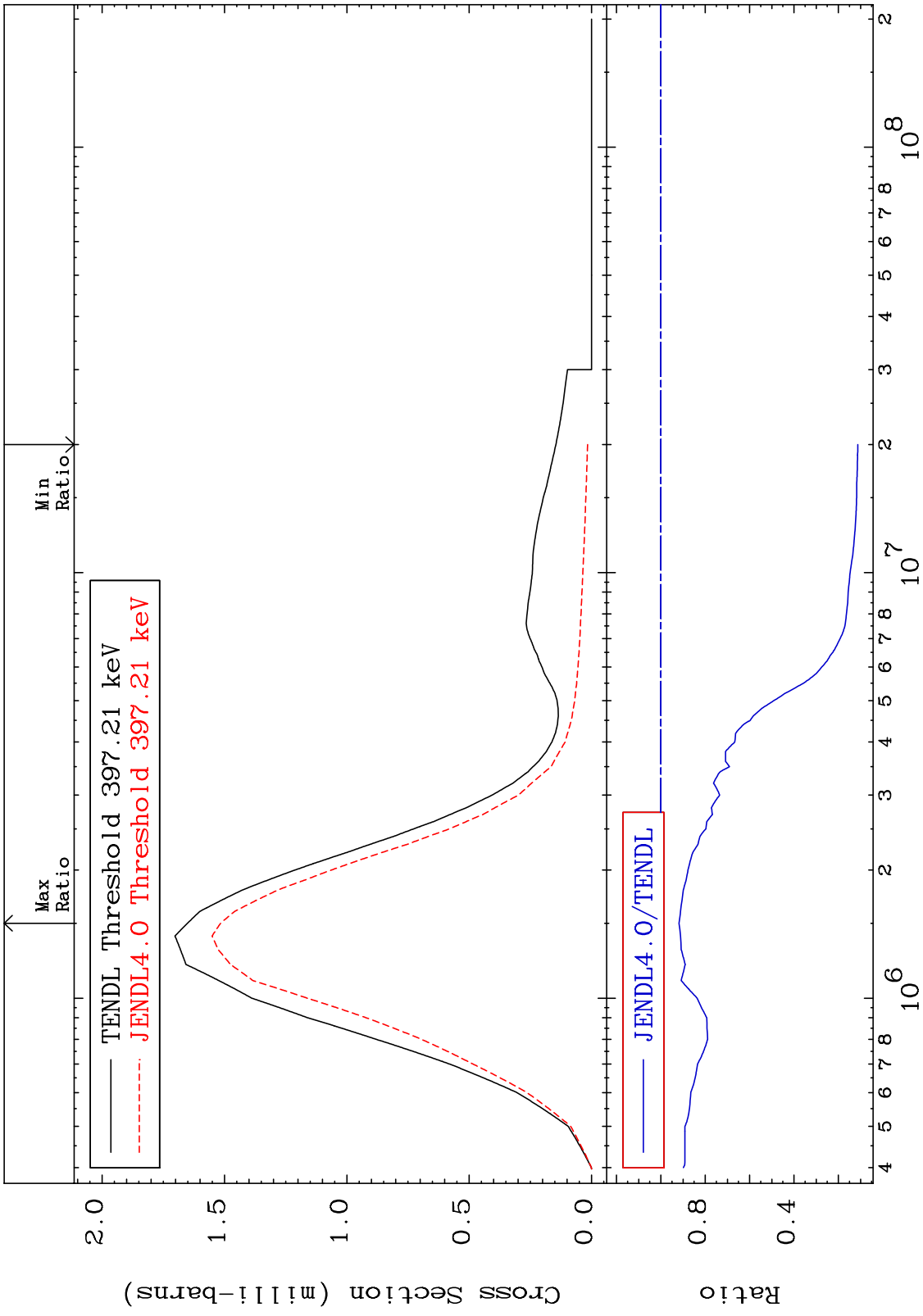
MAT 9346 MT= 68 (n,n') Level Cross Section 93-Np-237 -96.30 To 157.0 %



MAT 9346 MT= 69 (n,n') Level Cross Section 93-Np-237  
 -86.60 To 12.98 %



MAT 9346 MT= 70 (n,n') Level Cross Section 93-Np-237 -88.78 To -8.199%

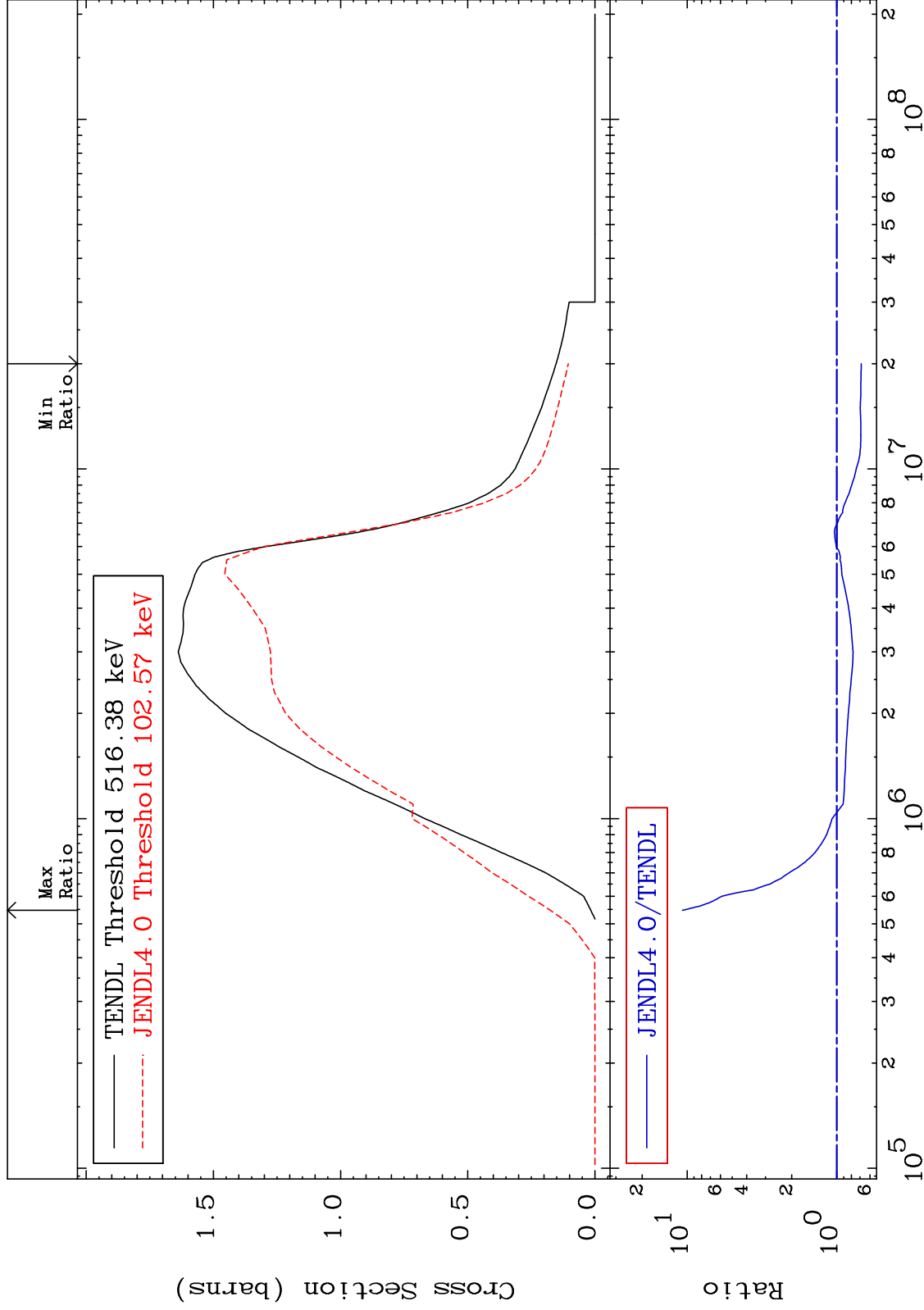




MAT 9346

(n, n') Continuum  
Cross Section

93-Np-237  
-31.38 To 975.8 %



32

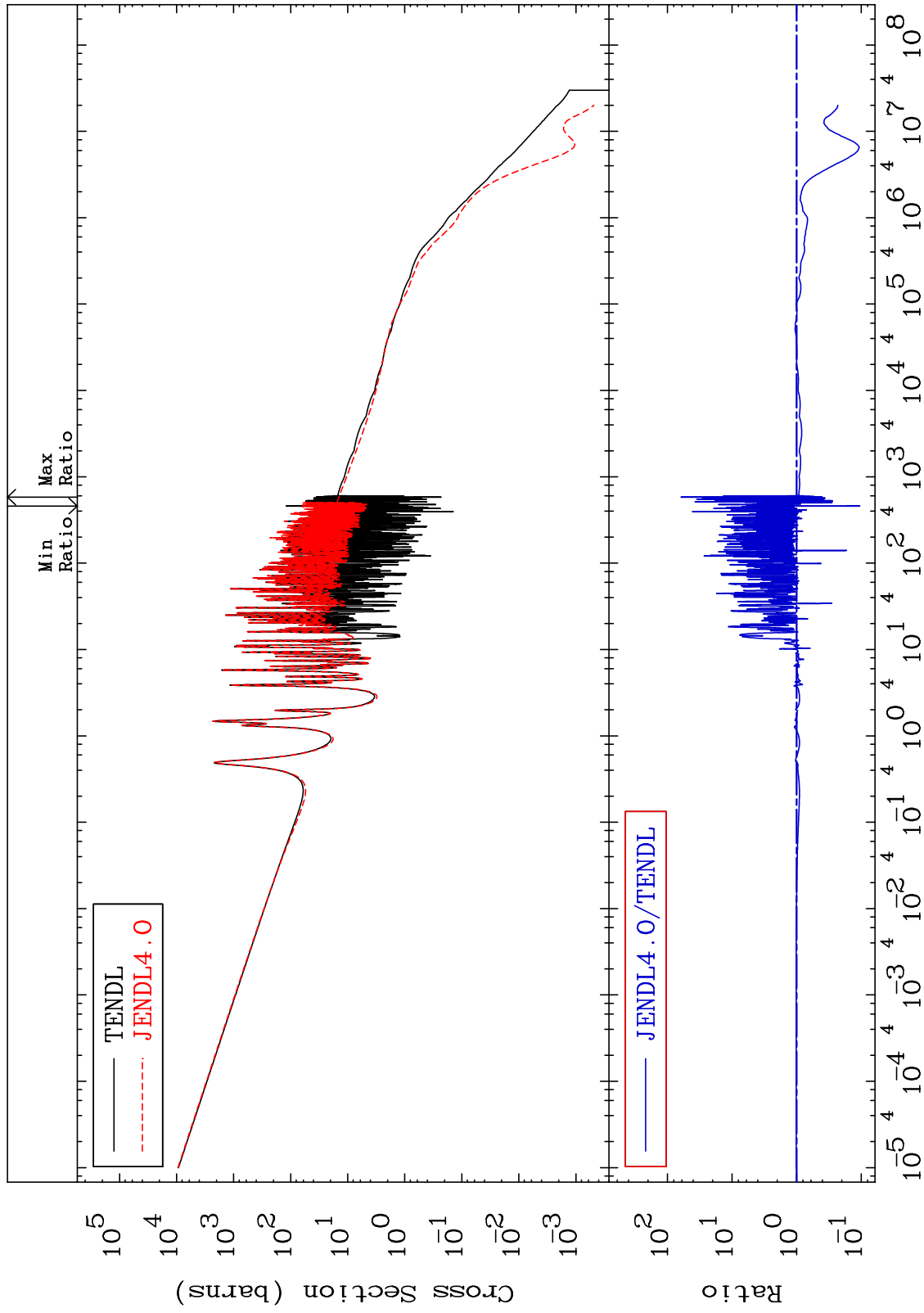
93-Np-237

MAT 9346

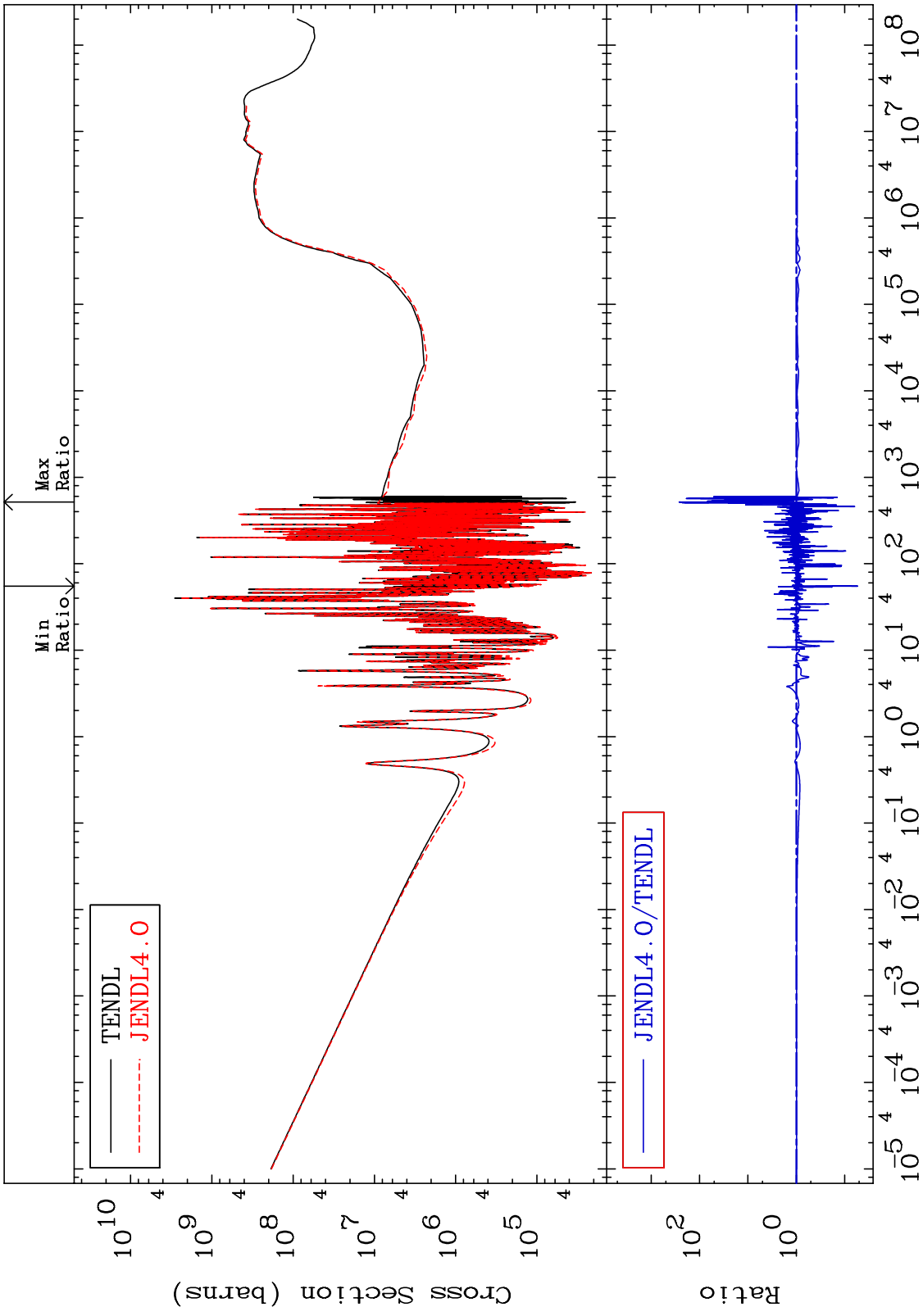
(n,  $\gamma$ )

93-Np-237

-89.42 To 6018. %



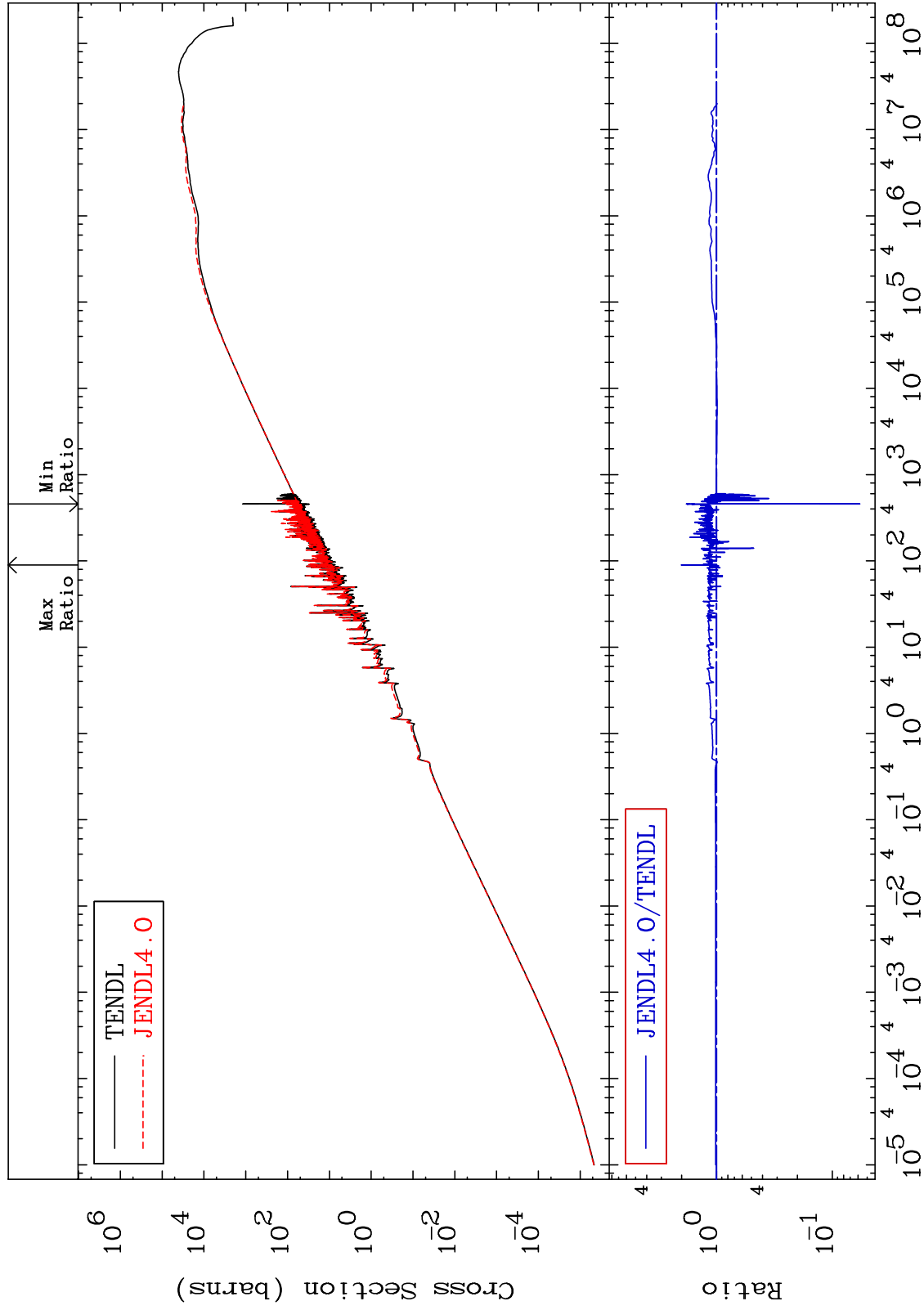
MAT 9346 Kerma total (eV-barns) 93-Np-237  
 Cross Section -94.66 To 9999. %



MAT 9346

Kerma elastic  
Cross Section

93-Np-237  
-94.21 To 100.7 %



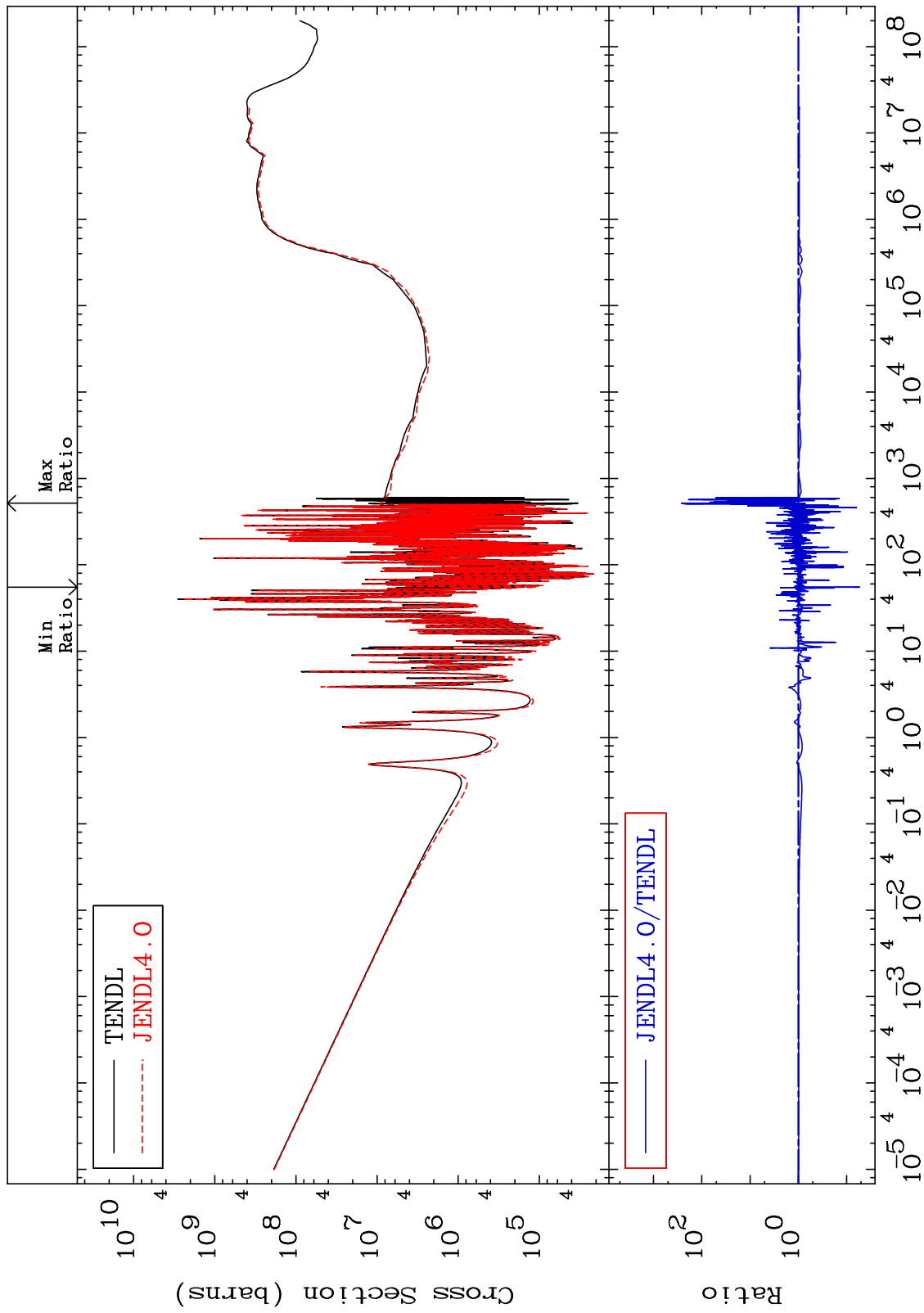
MAT 9346

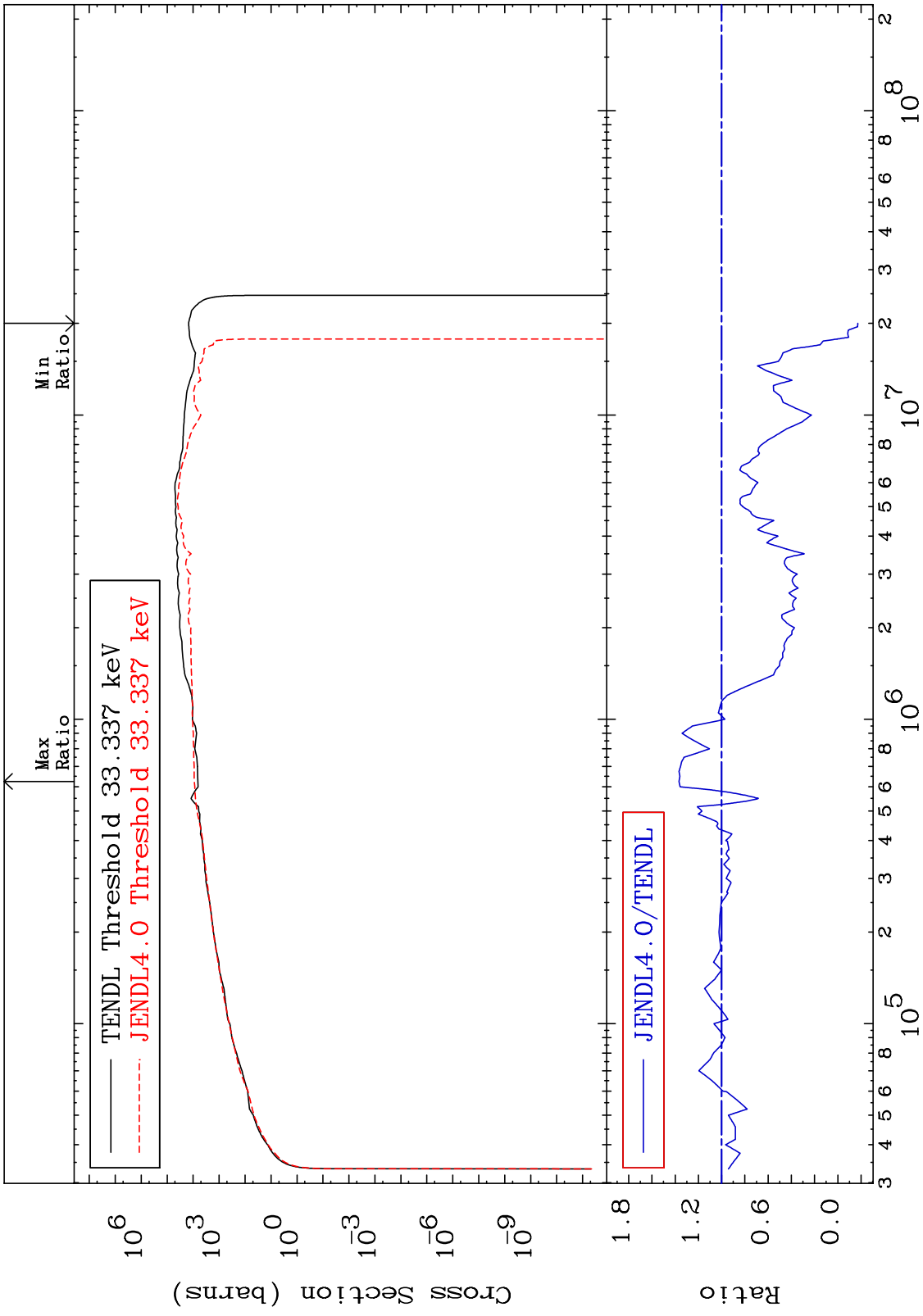
Kerma non-elastic (all but mt2)

93-Np-237

-94.66 To 9999. %

Cross Section





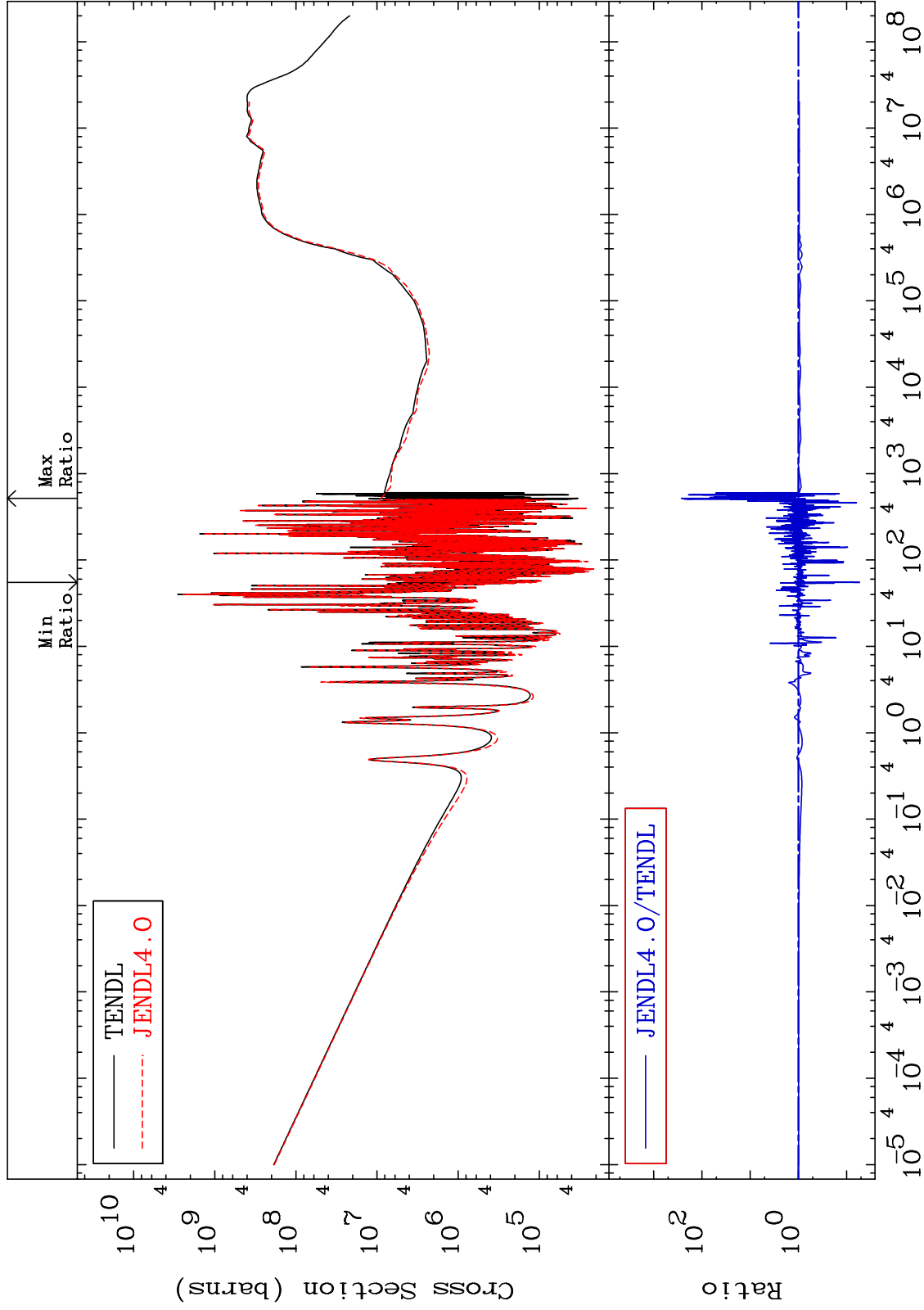
MAT 9346

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

93-Np-237

-94.67 To 9999. %

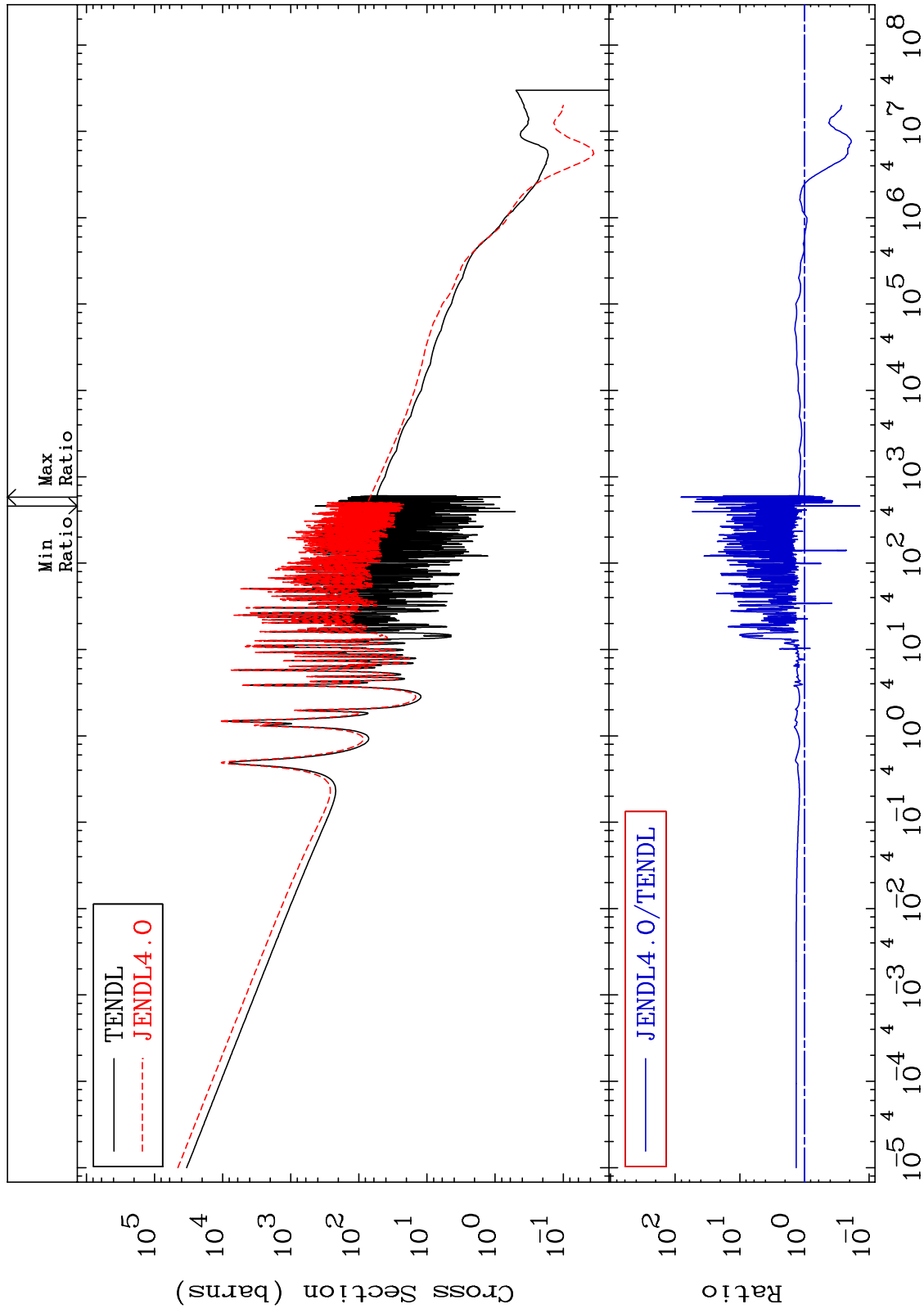
Cross Section



MAT 9346

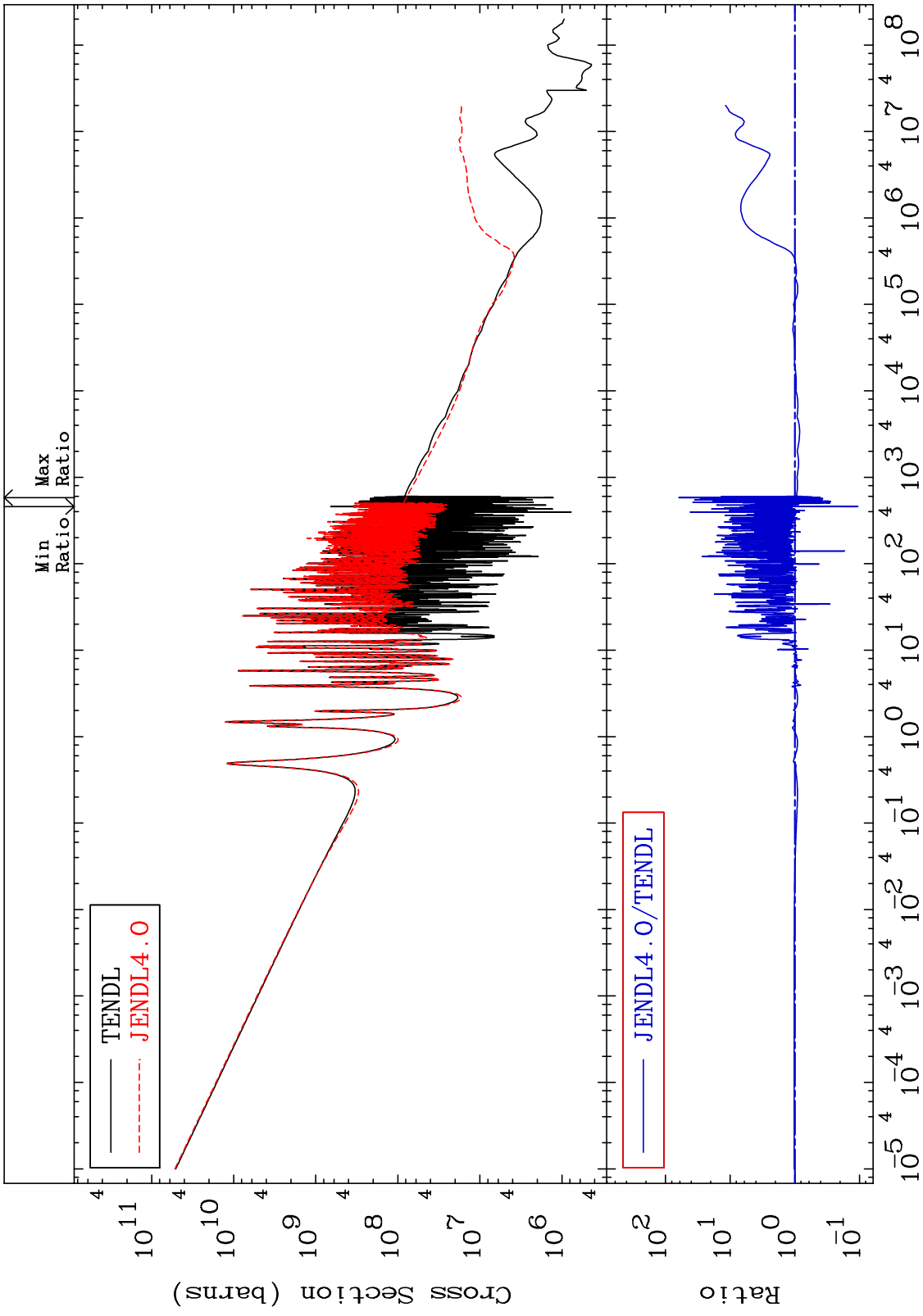
Kerma capture (mt102)  
Cross Section

93-Np-237  
-86.07 To 7951. %





MAT 9346 93-Np-237  
-89.40 To 6051. %  
 Total photon (eV-barns)  
 Cross Section

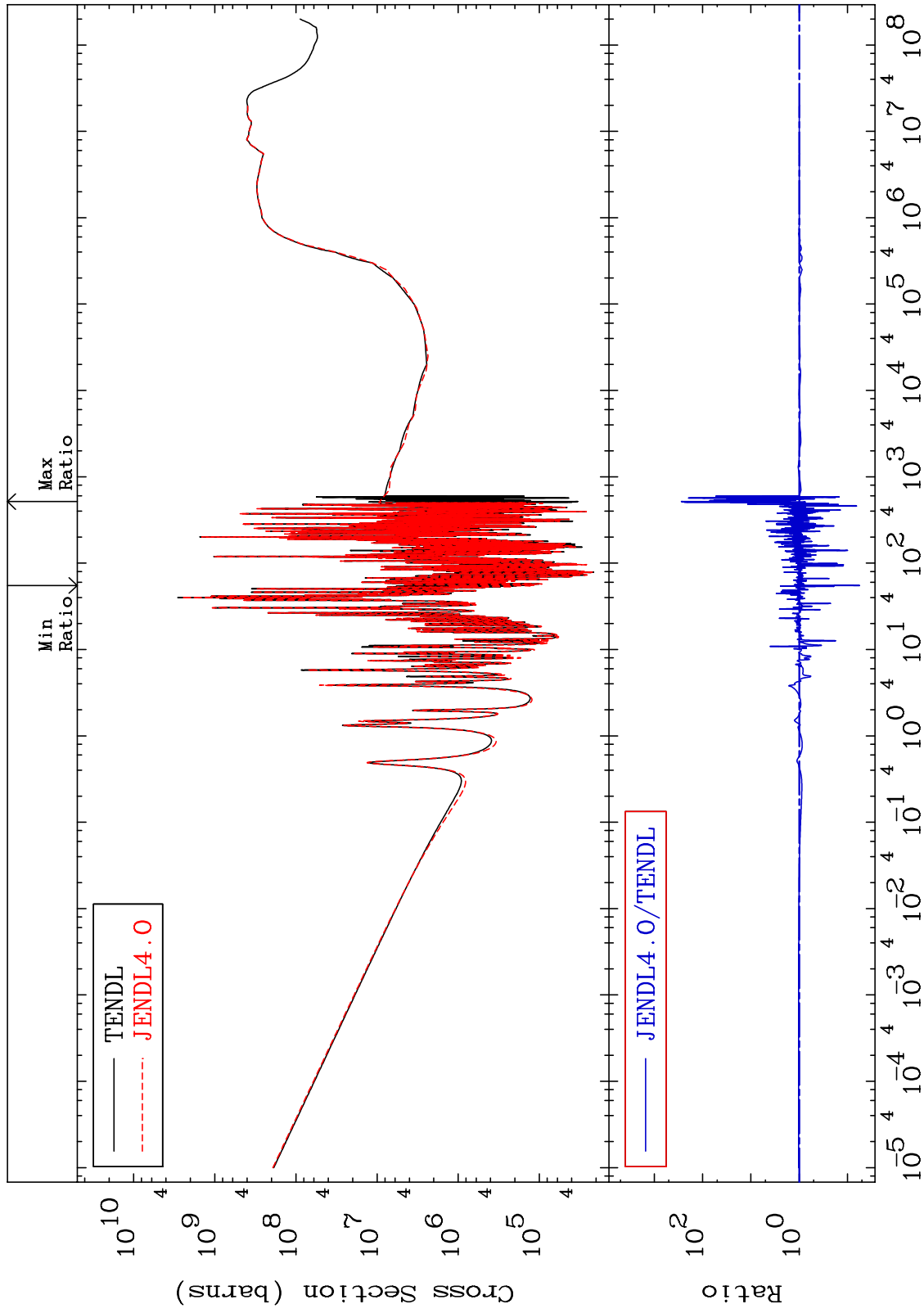


40 93-Np-237

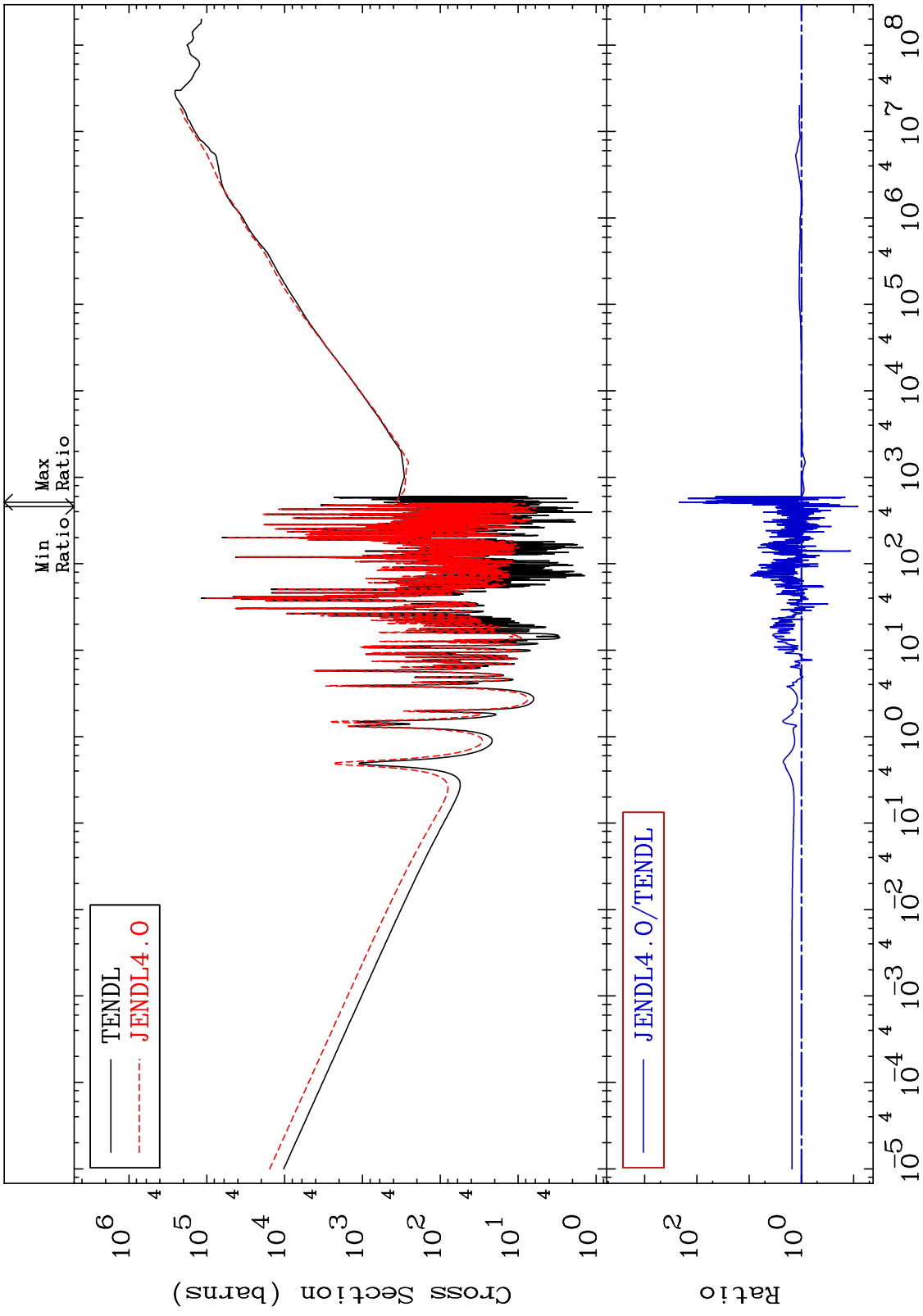
MAT 9346

Total kinematic kerma (high limit)  
Cross Section

93-Np-237  
-94.45 To 9999. %



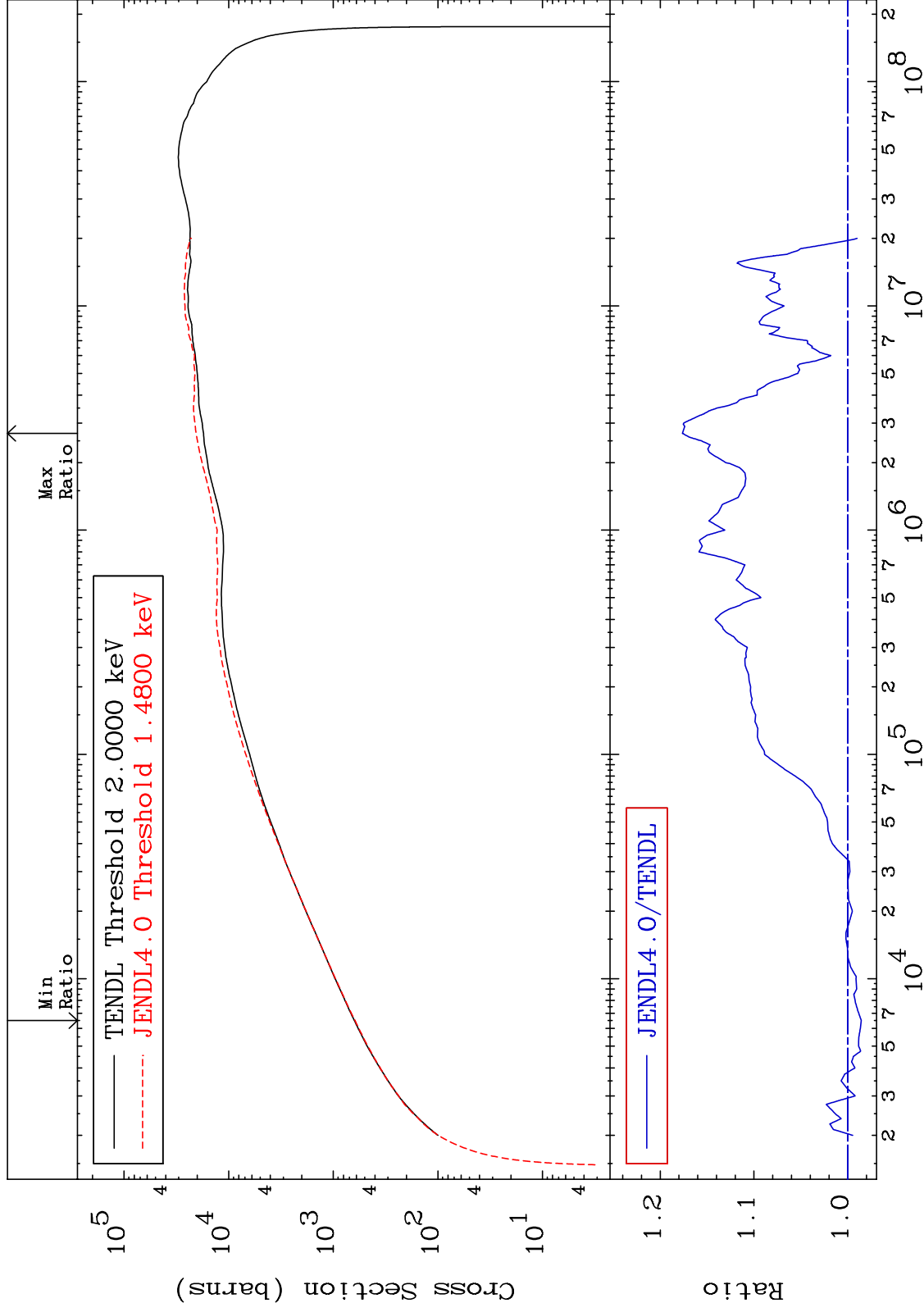
MAT 9346      Dpa total (eV-barns)      93-Np-237  
 Cross Section      -91.72 To 9999. %



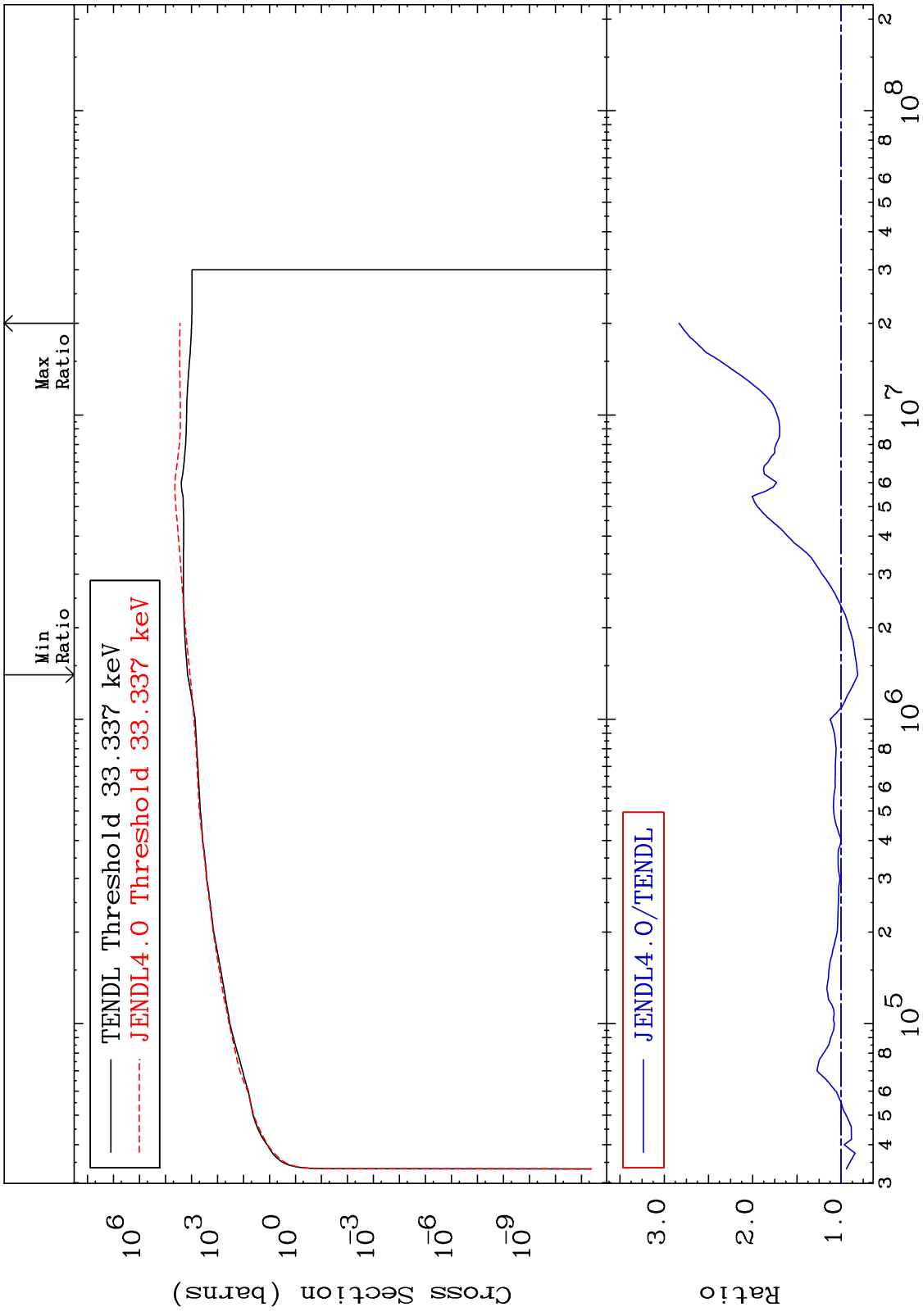
MAT 9346

Dpa elastic (mt2)  
Cross Section

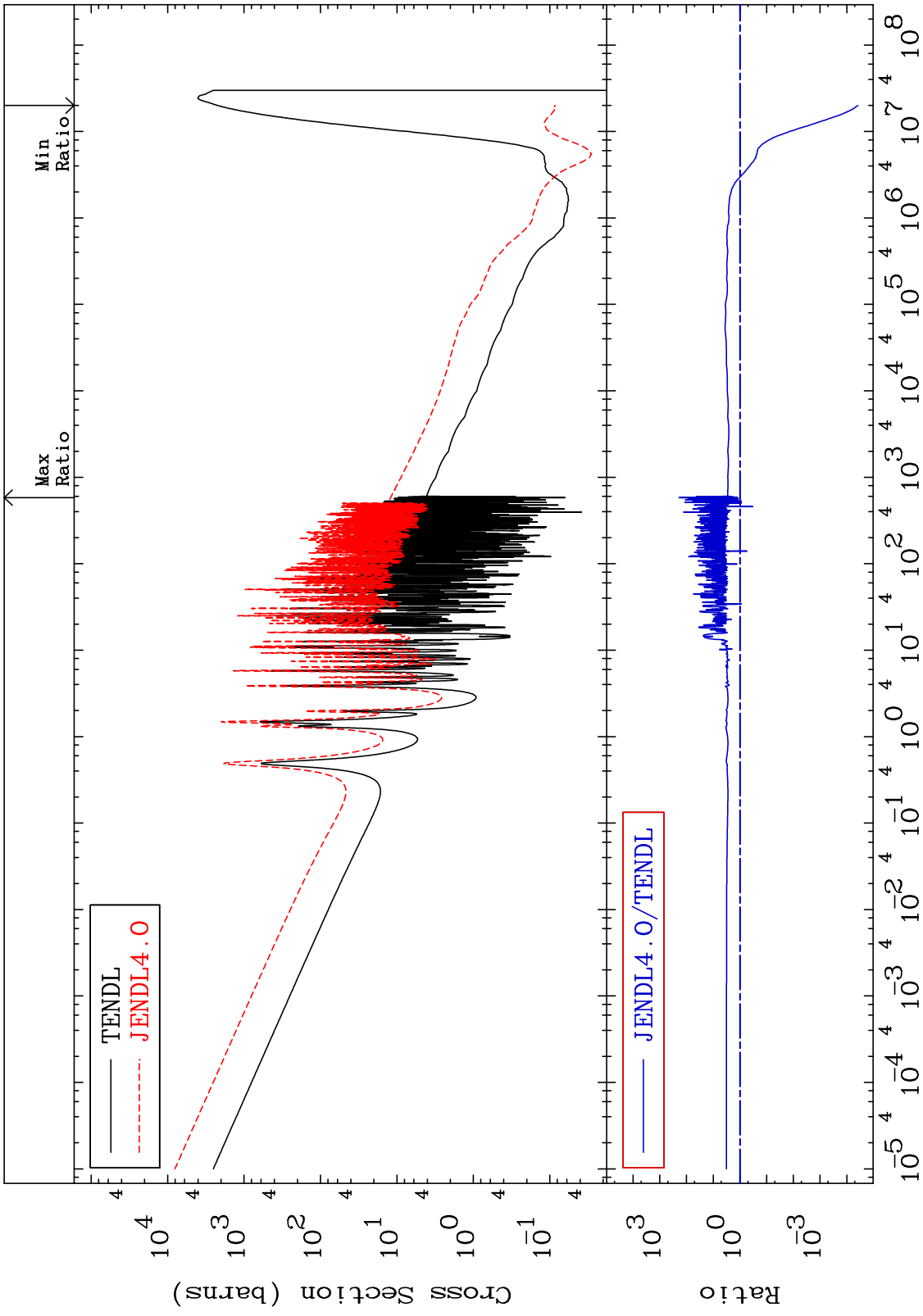
93-Np-237  
-1.443 To 17.63 %



MAT 9346      Dpa inelastic (mt51-91)      93-Np-237  
 Cross Section      -18.82 To 183.3 %



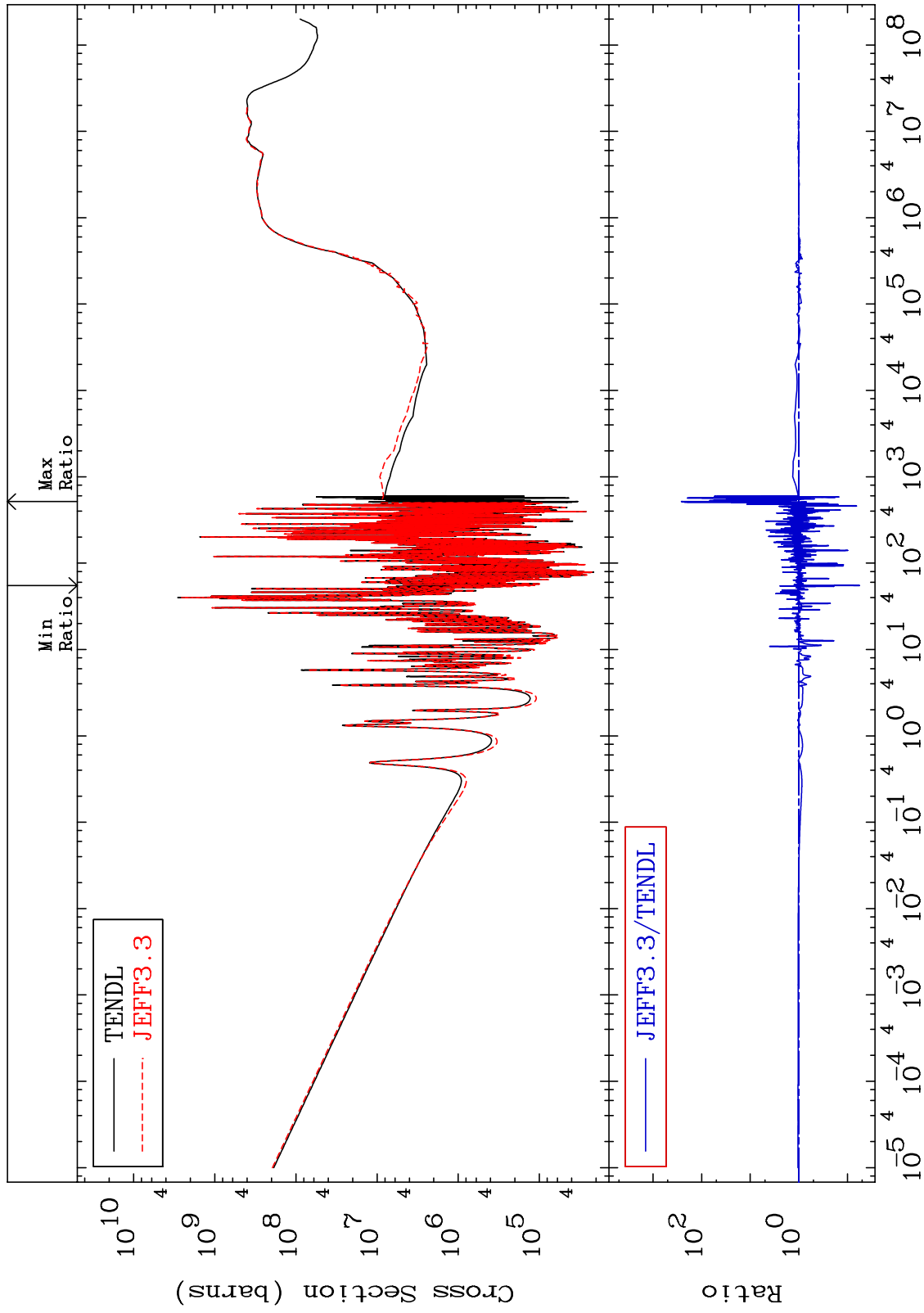
MAT 9346      Dpa disappearance (mt102 -120)      93-Np-237  
 Cross Section      -100.0 To 9999. %



MAT 9346

Total kinematic kerma (high limit)  
Cross Section

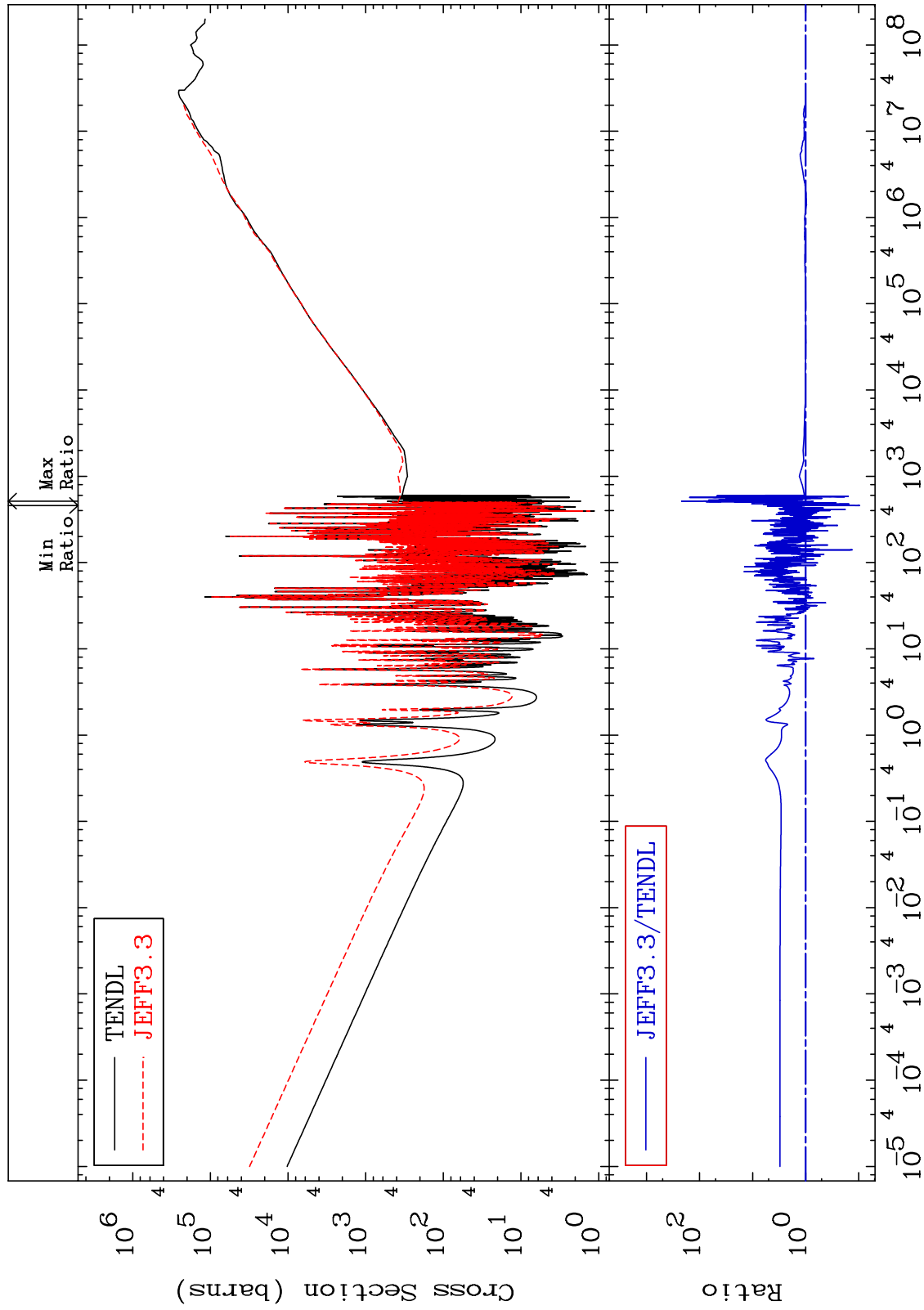
93-Np-237  
-94.41 To 9999. %



MAT 9346

Dpa total (eV-barns)  
Cross Section

93-Np-237  
-90.50 To 9999. %

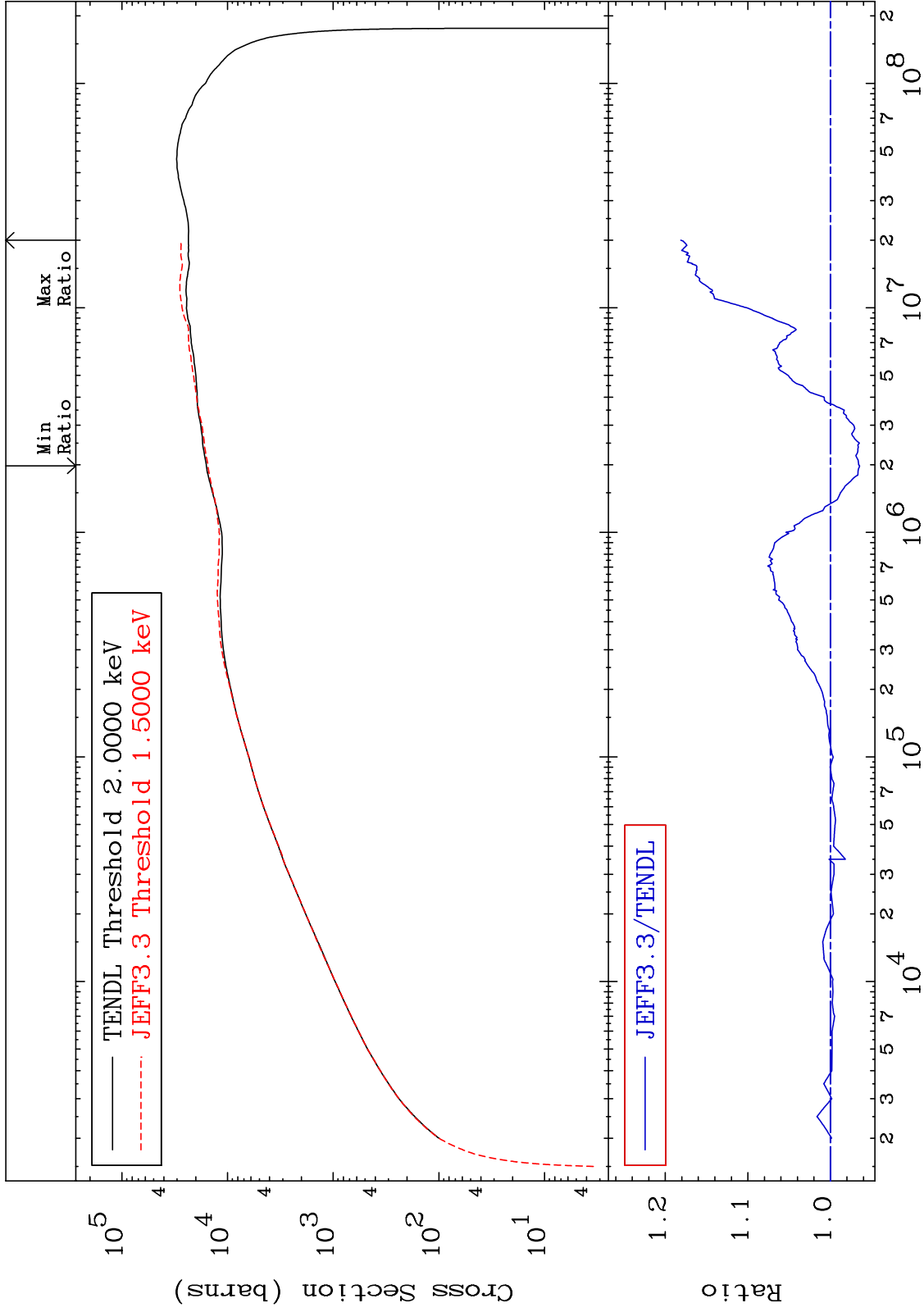




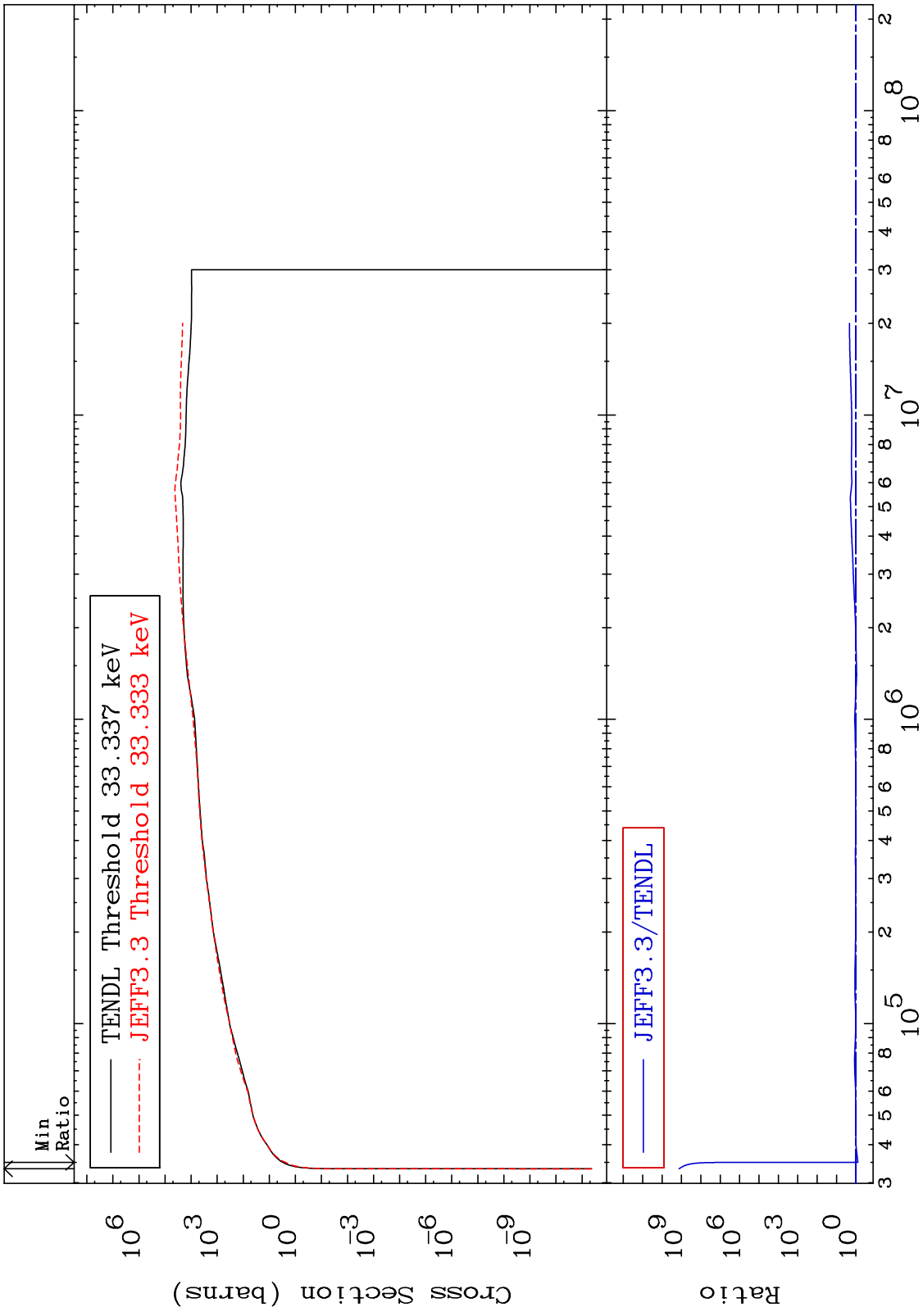
MAT 9346

Dpa elastic (mt2)  
Cross Section

93-Np-237  
-3.534 To 18.12 %



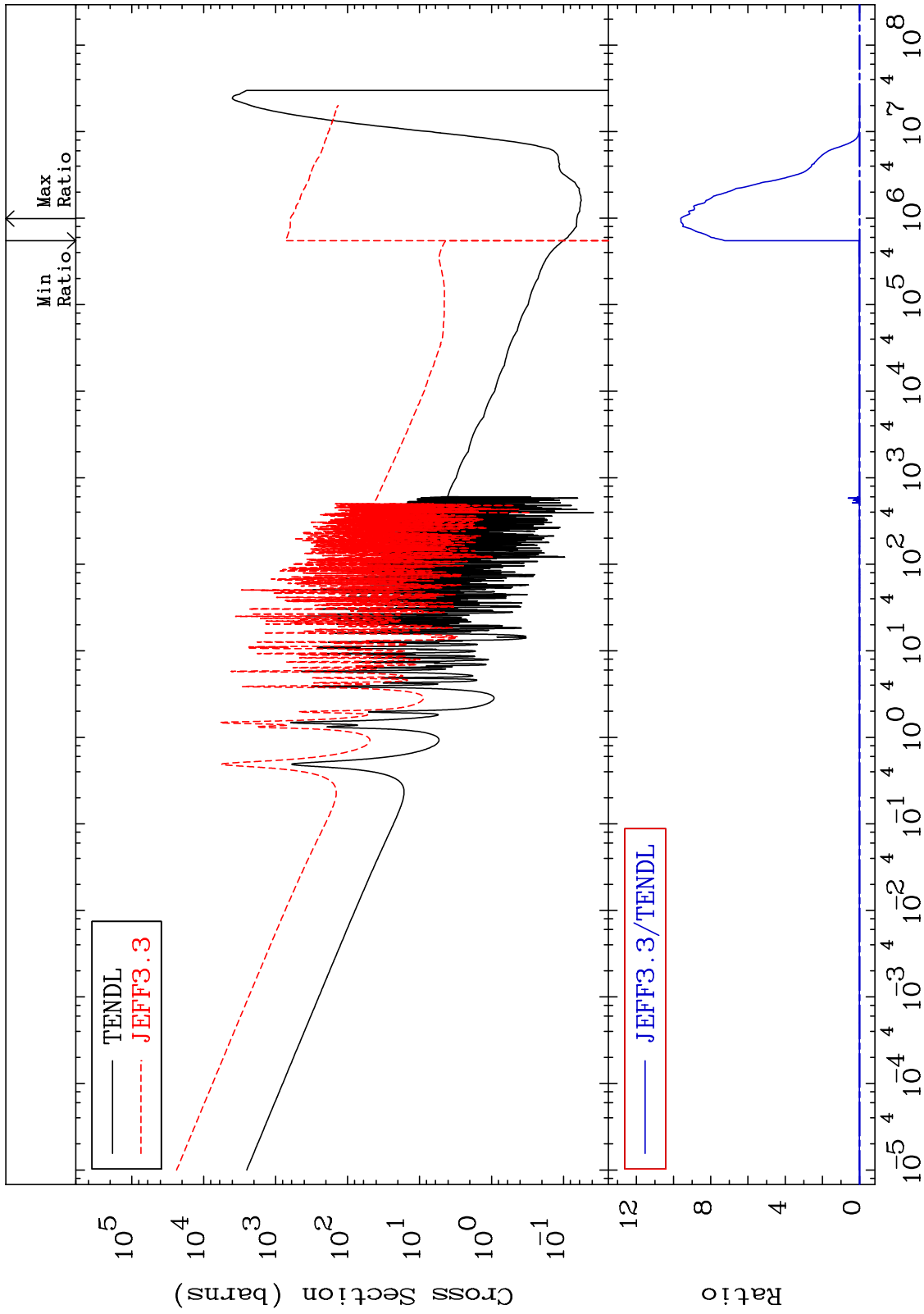
MAT 9346      Dpa inelastic (mt51-91)      93-Np-237  
 Cross Section      -20.80 To 9999. %



MAT 9346

Dpa disappearance (mt102 -120)  
Cross Section

93-Np-237  
-100.0 To 9999. %



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Incident Energy (eV)

93-Np-237