

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

MAT 9131

91-Pa-231

-73.47 To 659.6 %

Total  
Cross Section

Max  
Ratio

Min  
Ratio

— TENDL  
- - - JENDL4.0

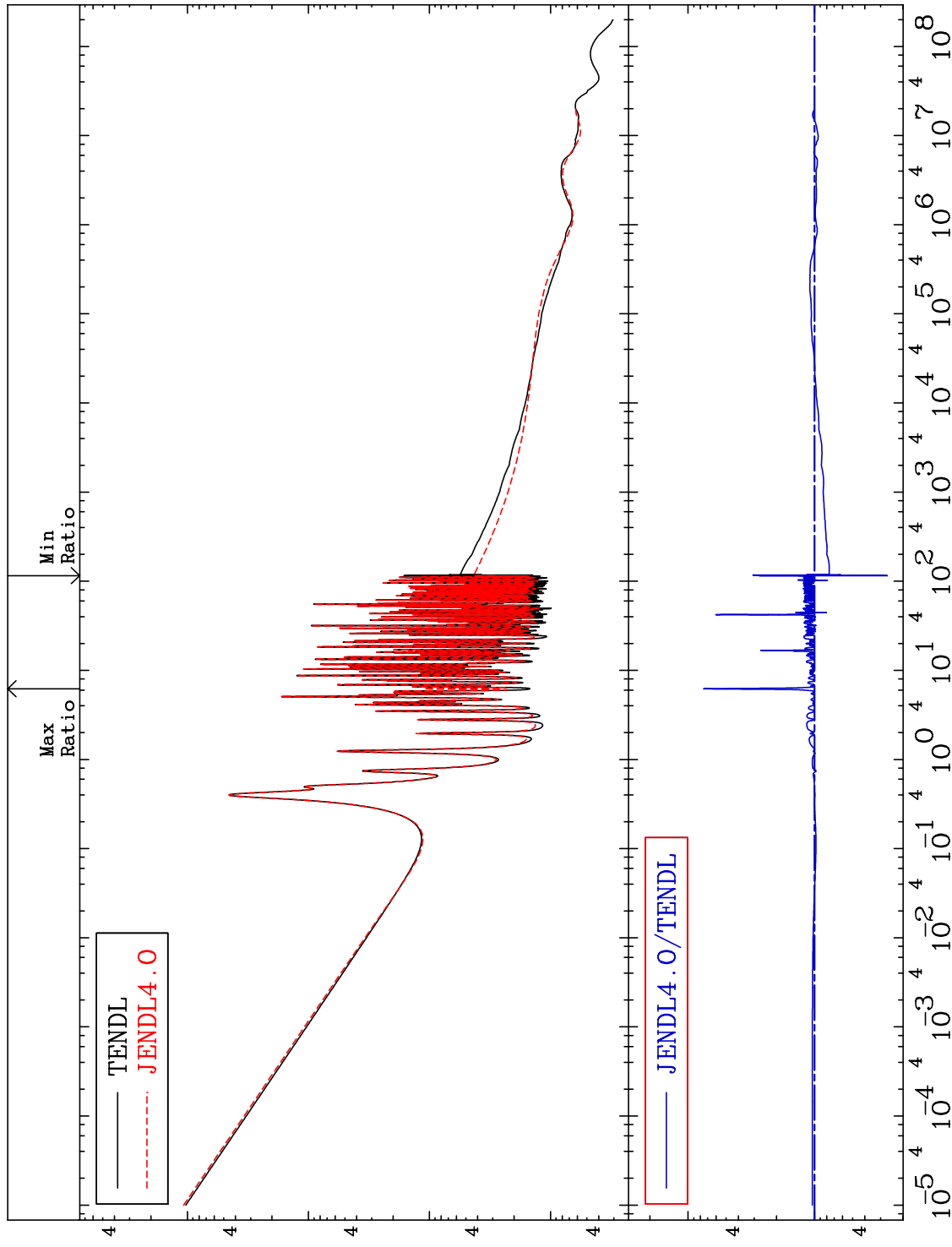
Cross Section (barns)

— JENDL4.0/TENDL

Ratio

Incident Energy (eV)

91-Pa-231



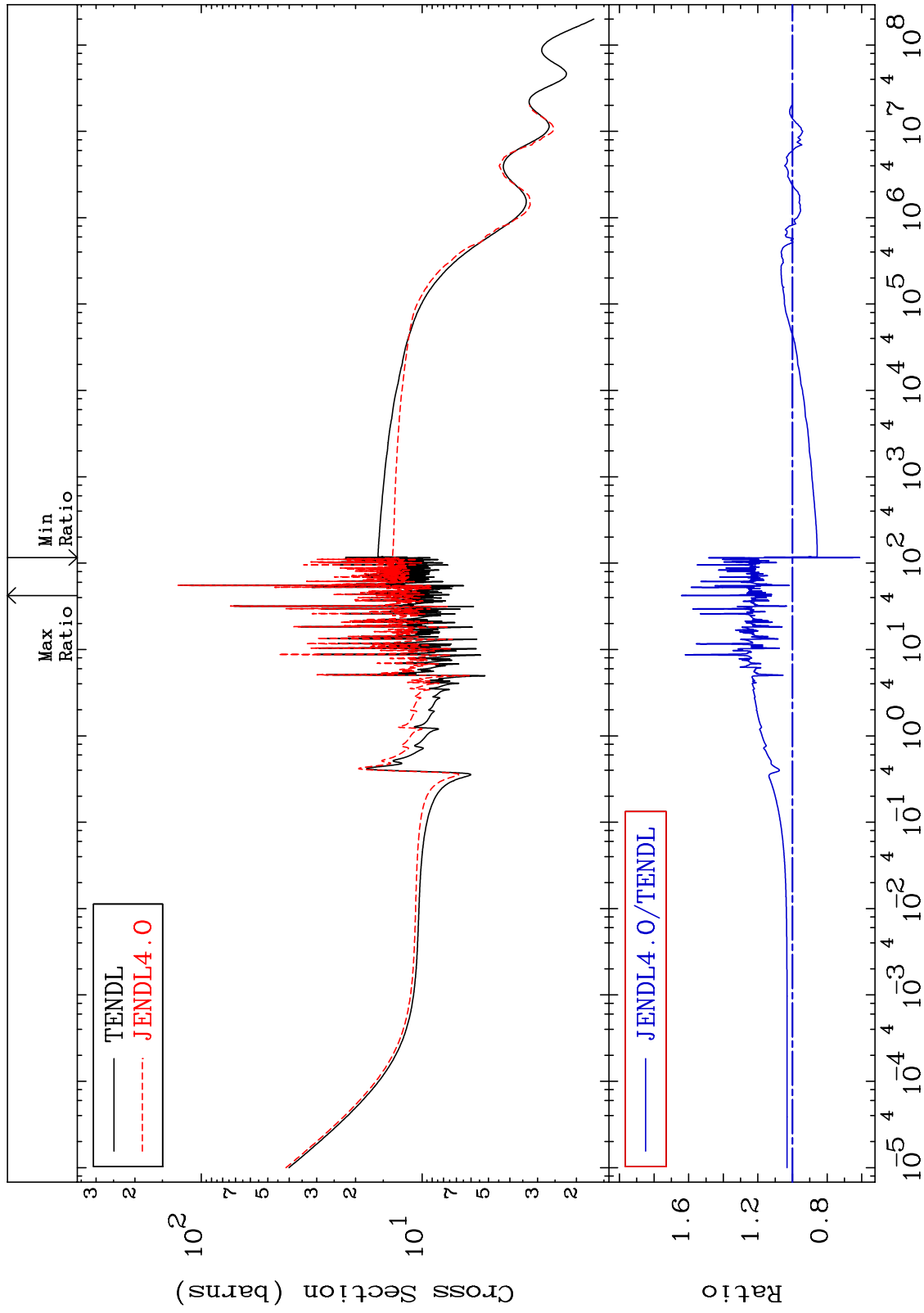
MAT 9131

Elastic

91-Pa-231

Cross Section

-38.87 To 64.28 %

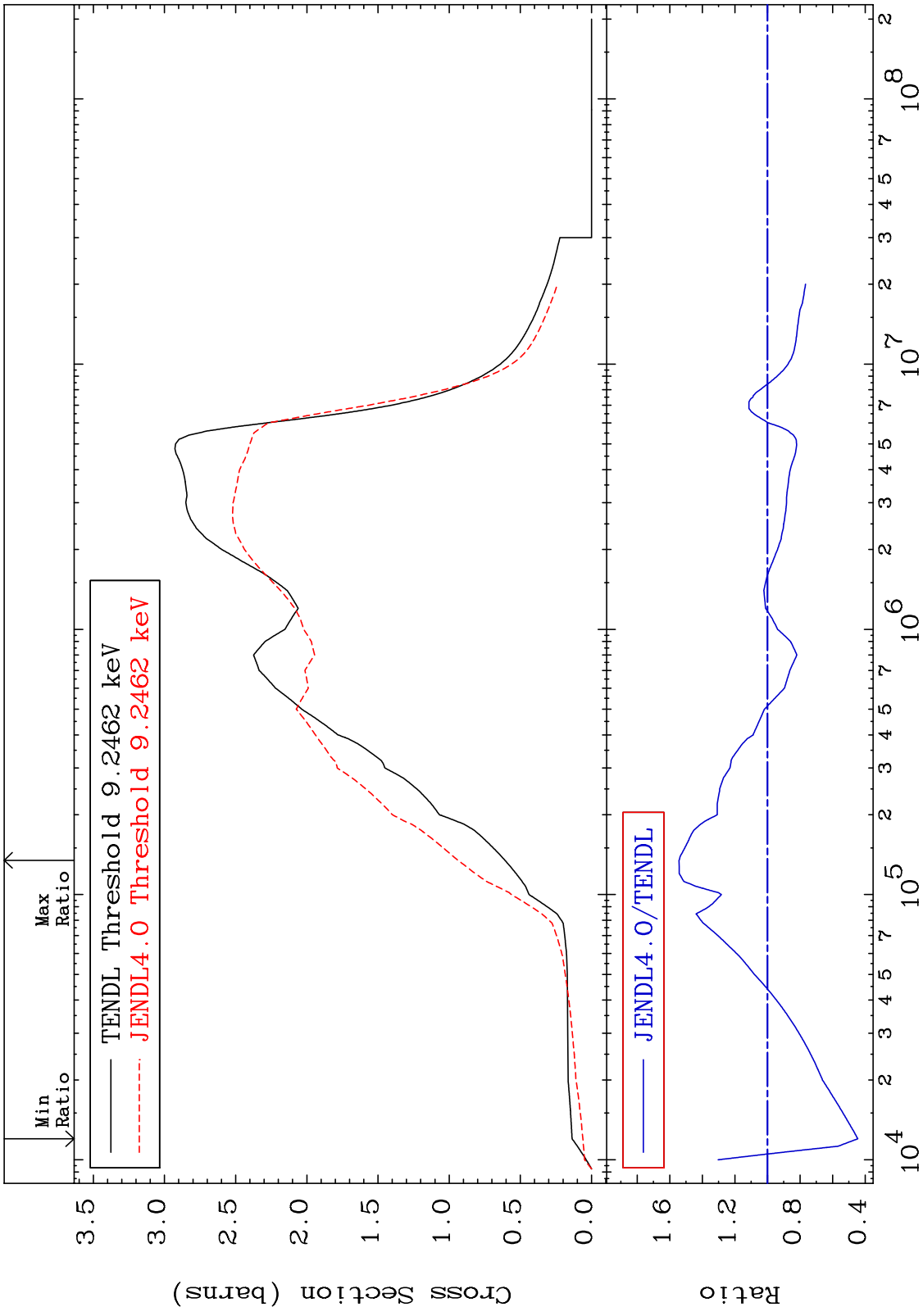


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Incident Energy (eV)

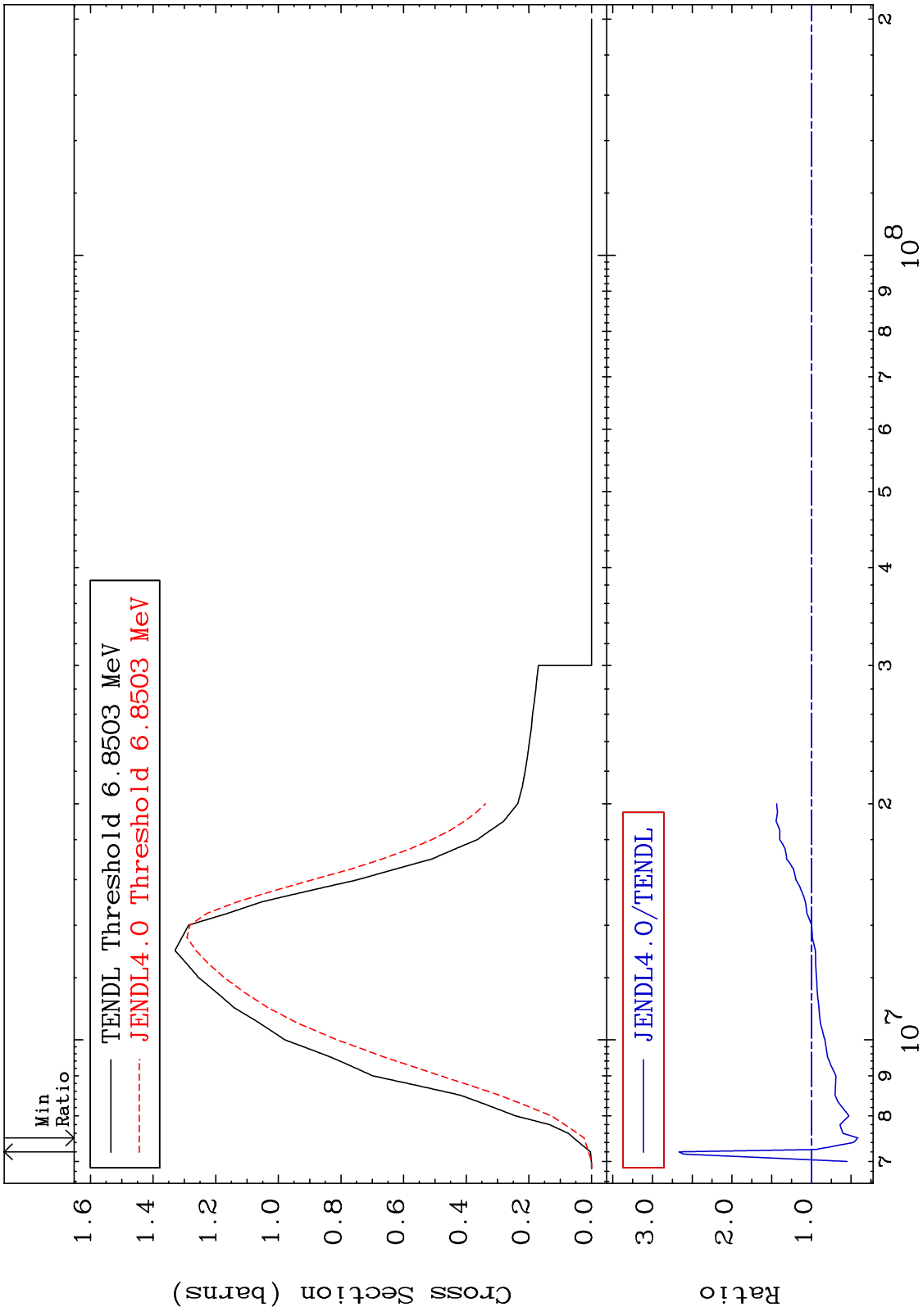
91-Pa-231

MAT 9131 Inelastic Cross Section 91-Pa-231 -55.47 To 54.31 %

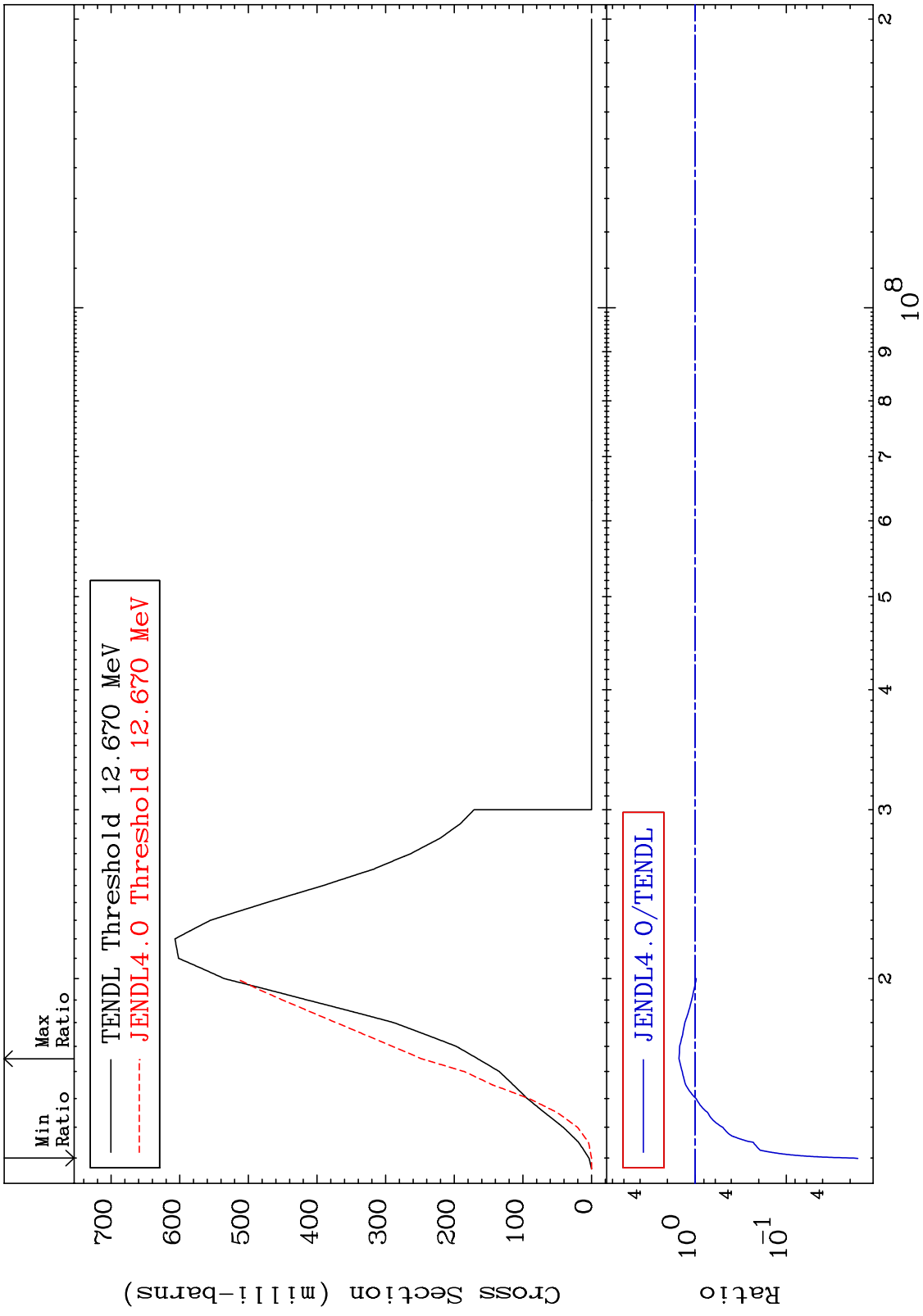


3 Incident Energy (eV) 91-Pa-231

MAT 9131 (n,2n) Cross Section 91-Pa-231 -58.49 To 166.6 %

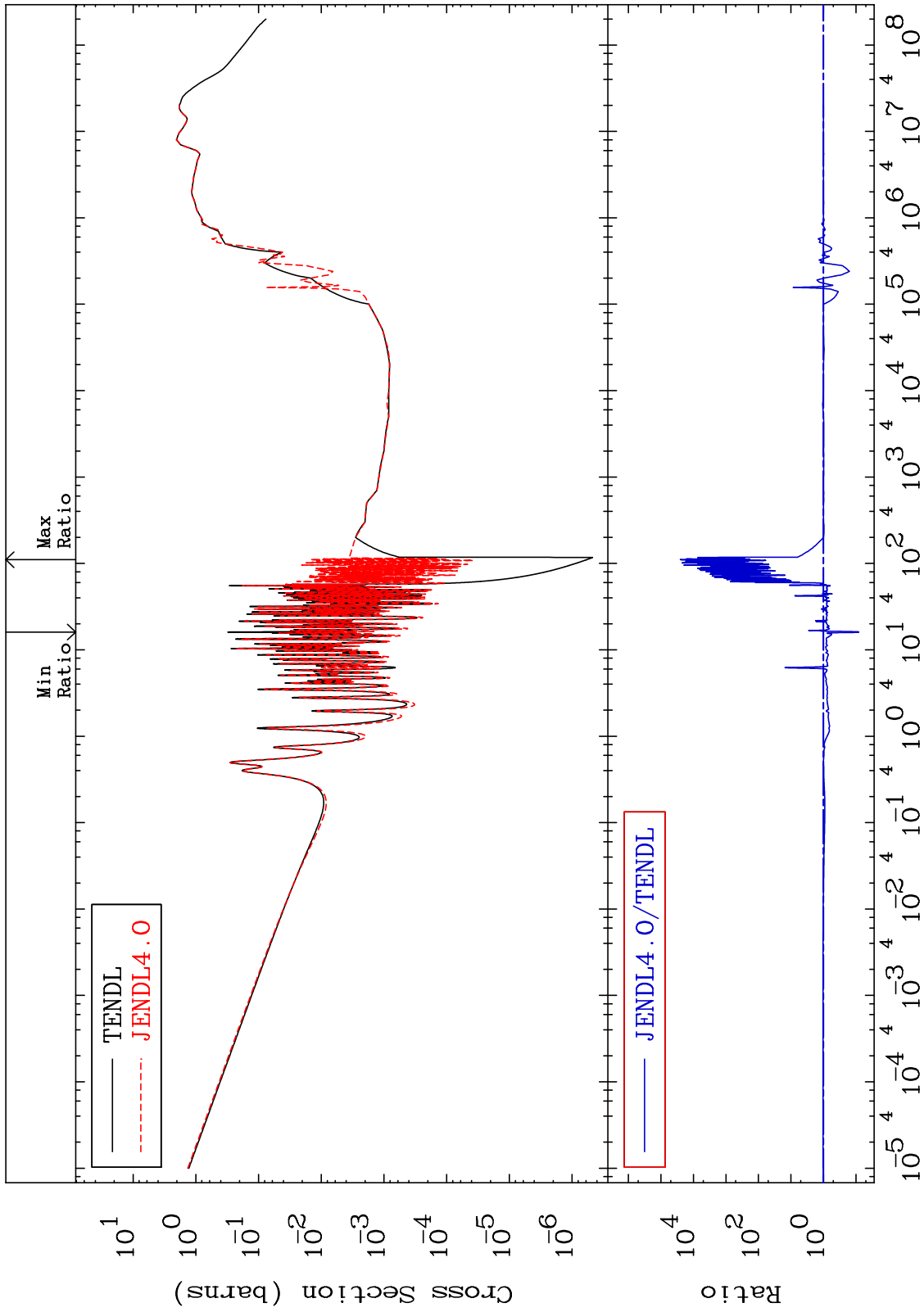


MAT 9131 (n,3n) 91-Pa-231  
 Cross Section -98.35 To 49.44 %



MAT 9131

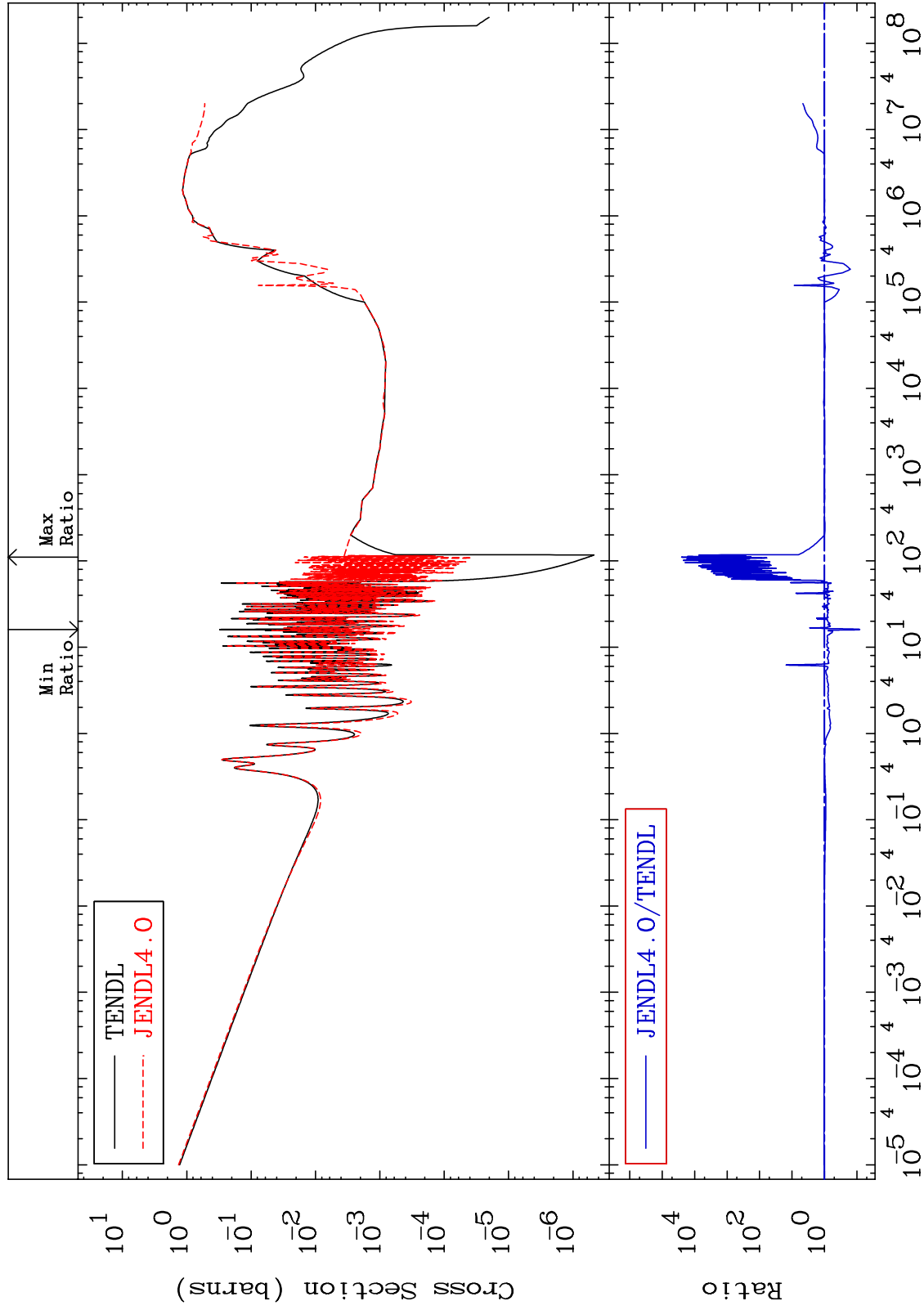
Fission Cross Section  
91-Pa-231  
-91.84 To 9999. %



MAT 9131

(n,f) First Chance  
Cross Section

91-Pa-231  
-91.84 To 9999. %



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Incident Energy (eV)

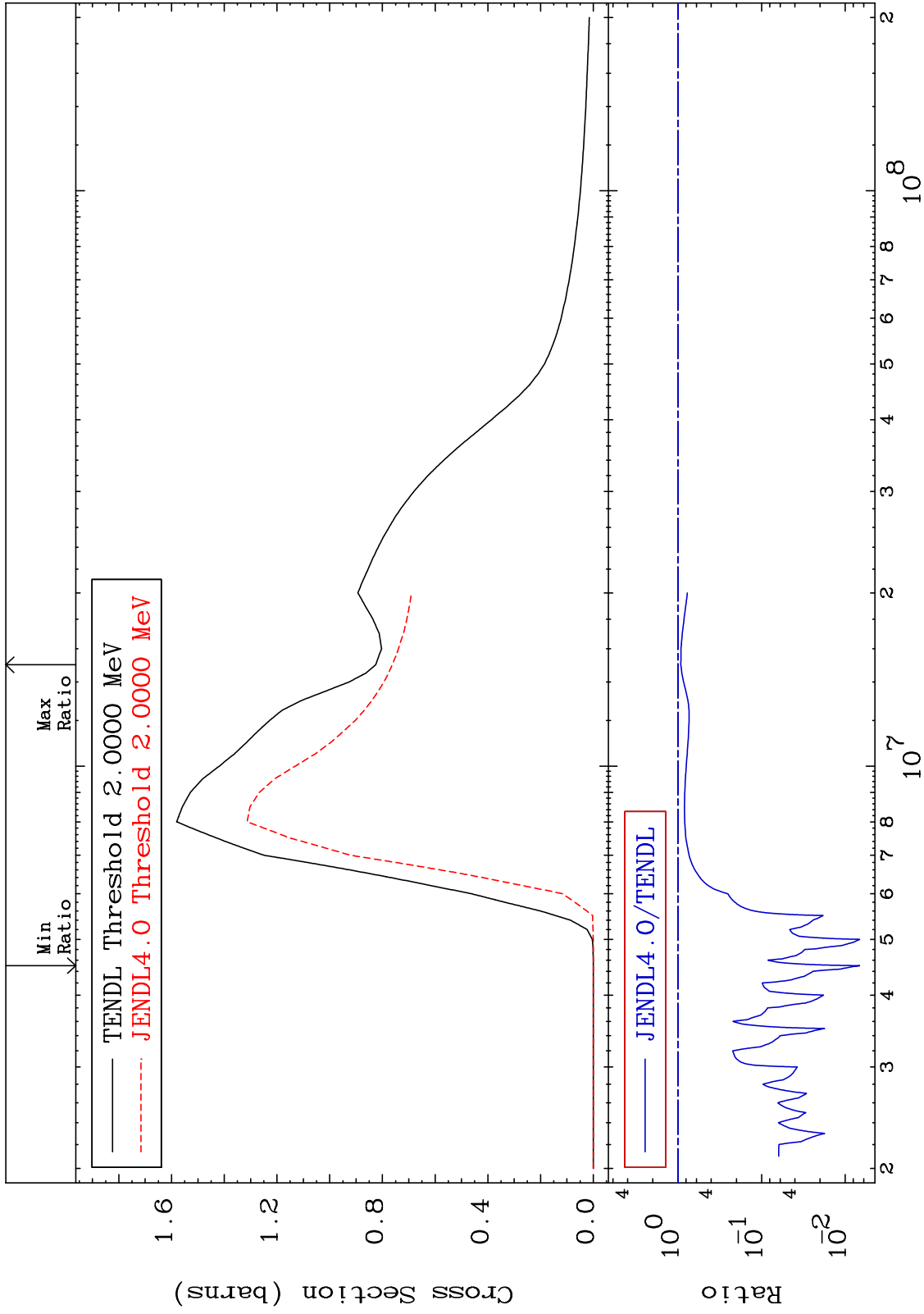
91-Pa-231



MAT 9131

(n,nf) Second Chance  
Cross Section

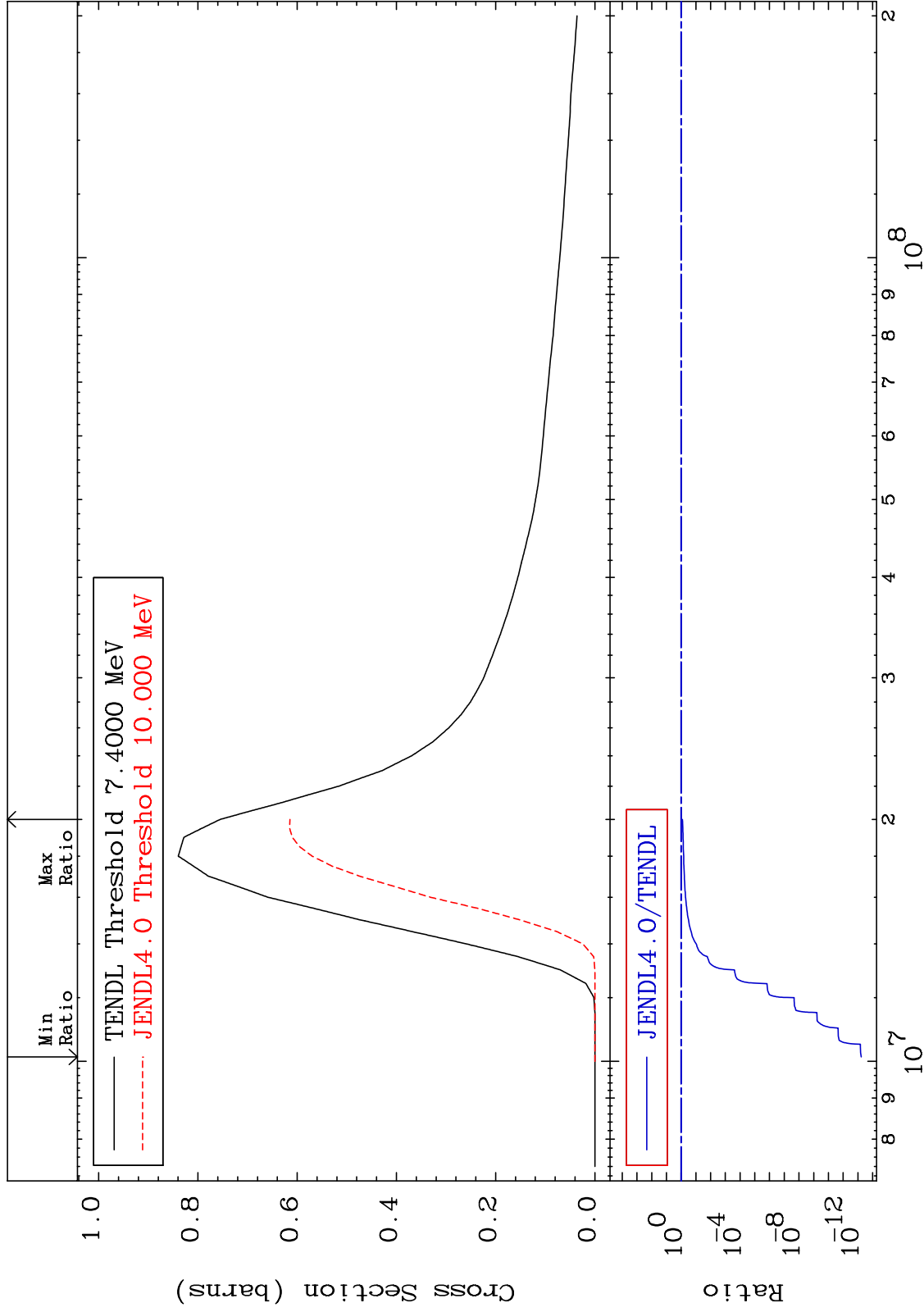
91-Pa-231  
-99.33 To -7.597%



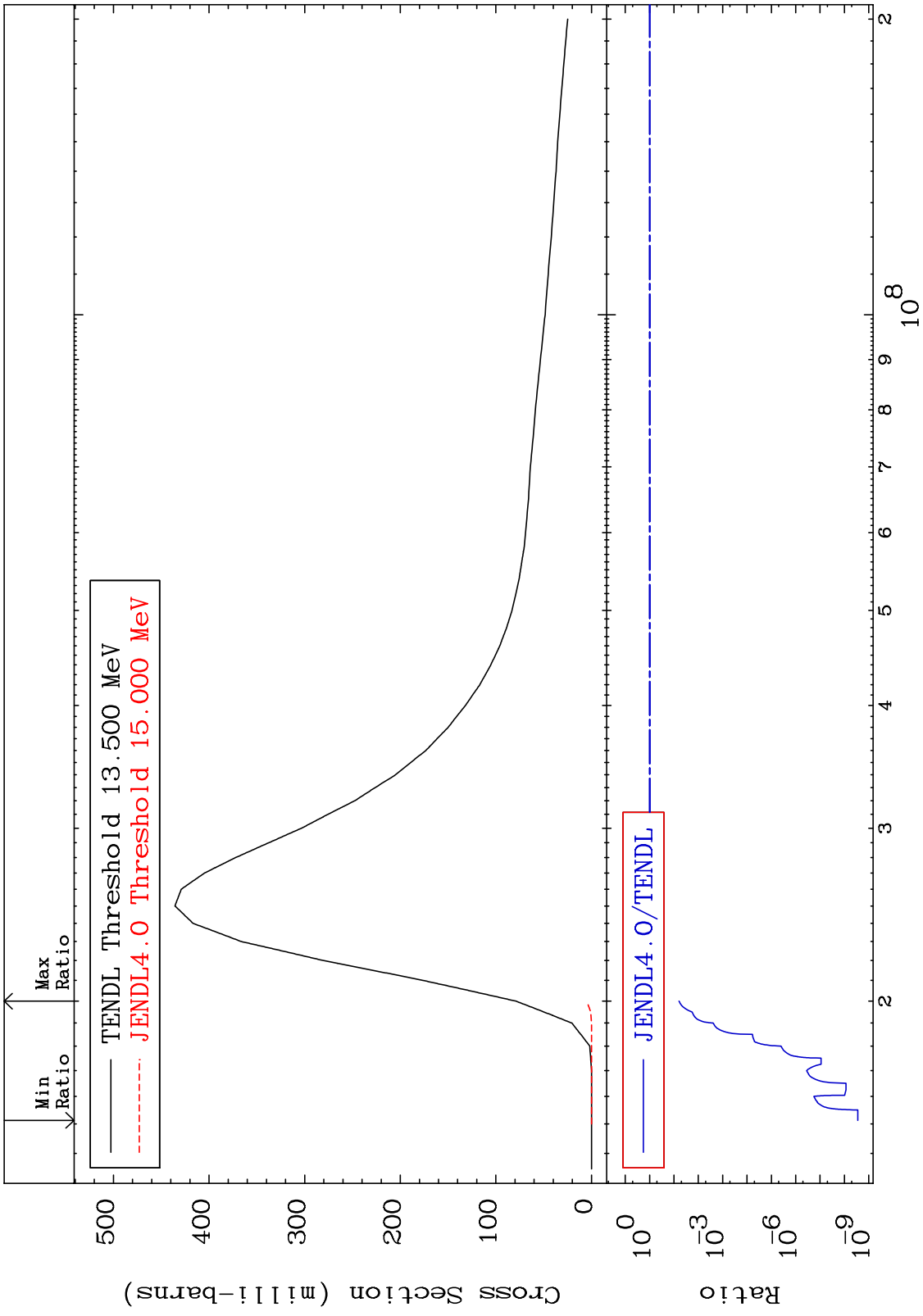
MAT 9131

(n,2nf) Third Chance  
Cross Section

91-Pa-231  
-100.0 To -18.61%

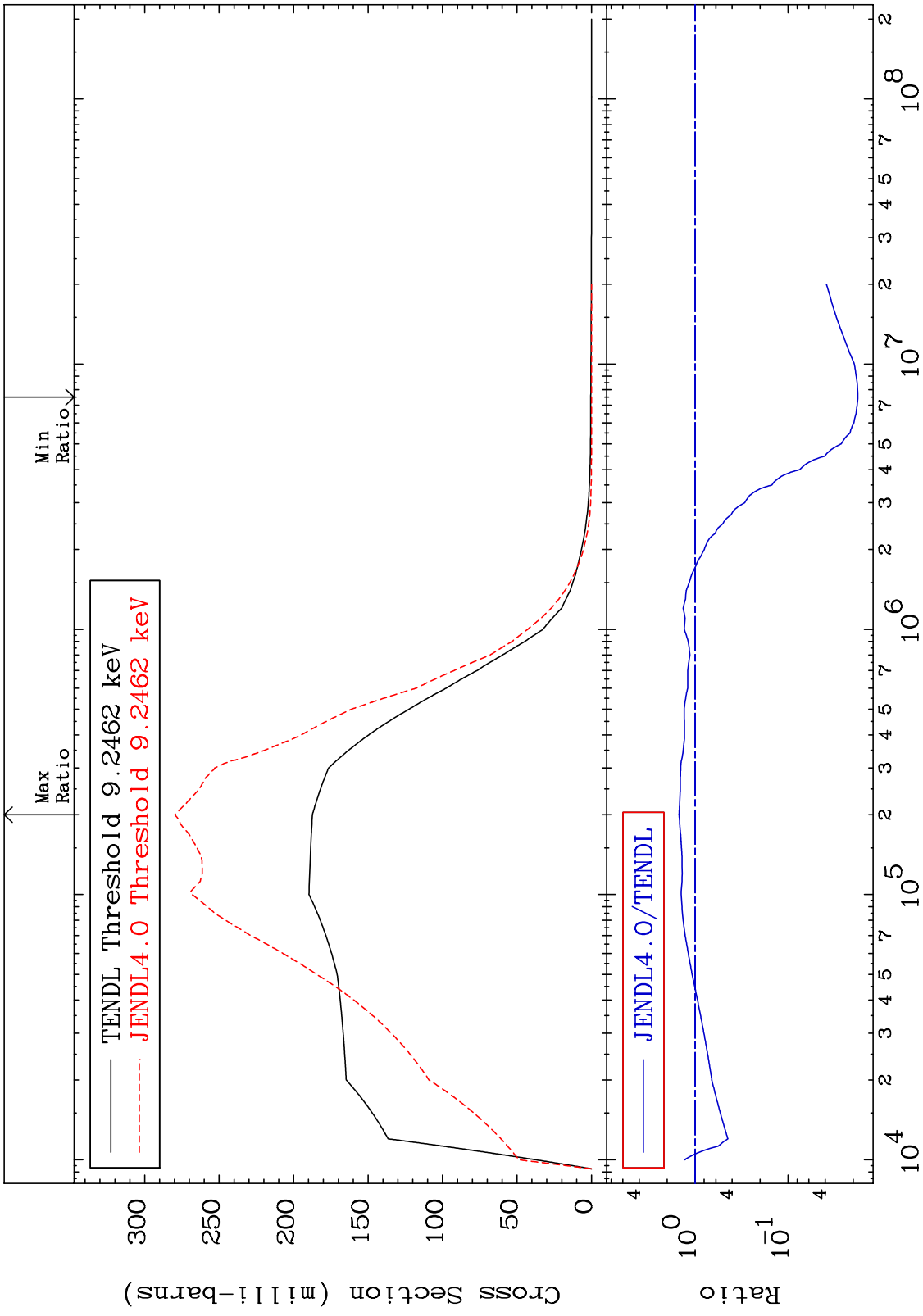


MAT 9131 (n,3nf) Fourth Chance Cross Section 91-Pa-231 -100.0 To -93.81%



10 91-Pa-231

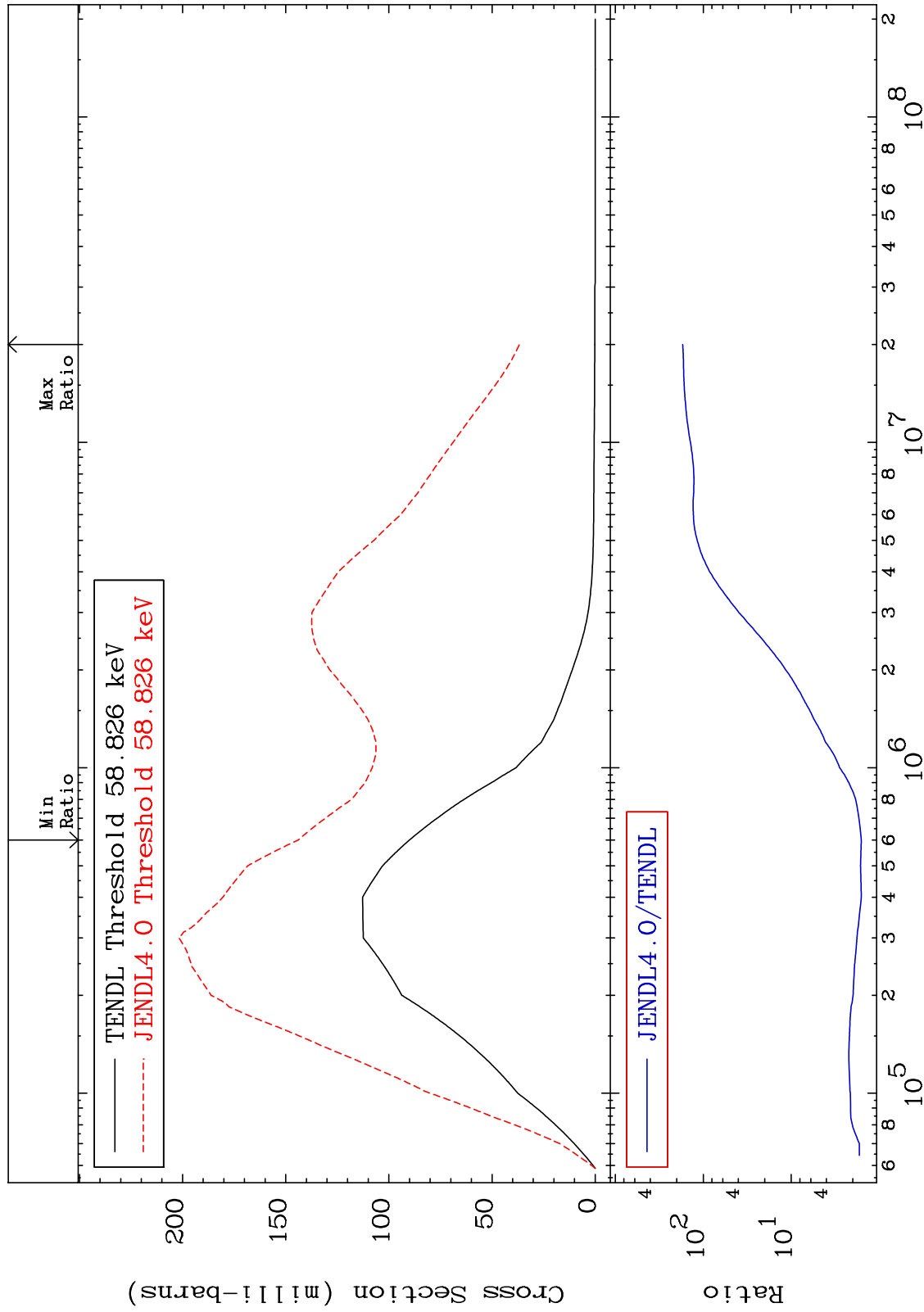
MAT 9131 MT= 51 (n,n') Level Cross Section 91-Pa-231 -98.22 To 49.25 %



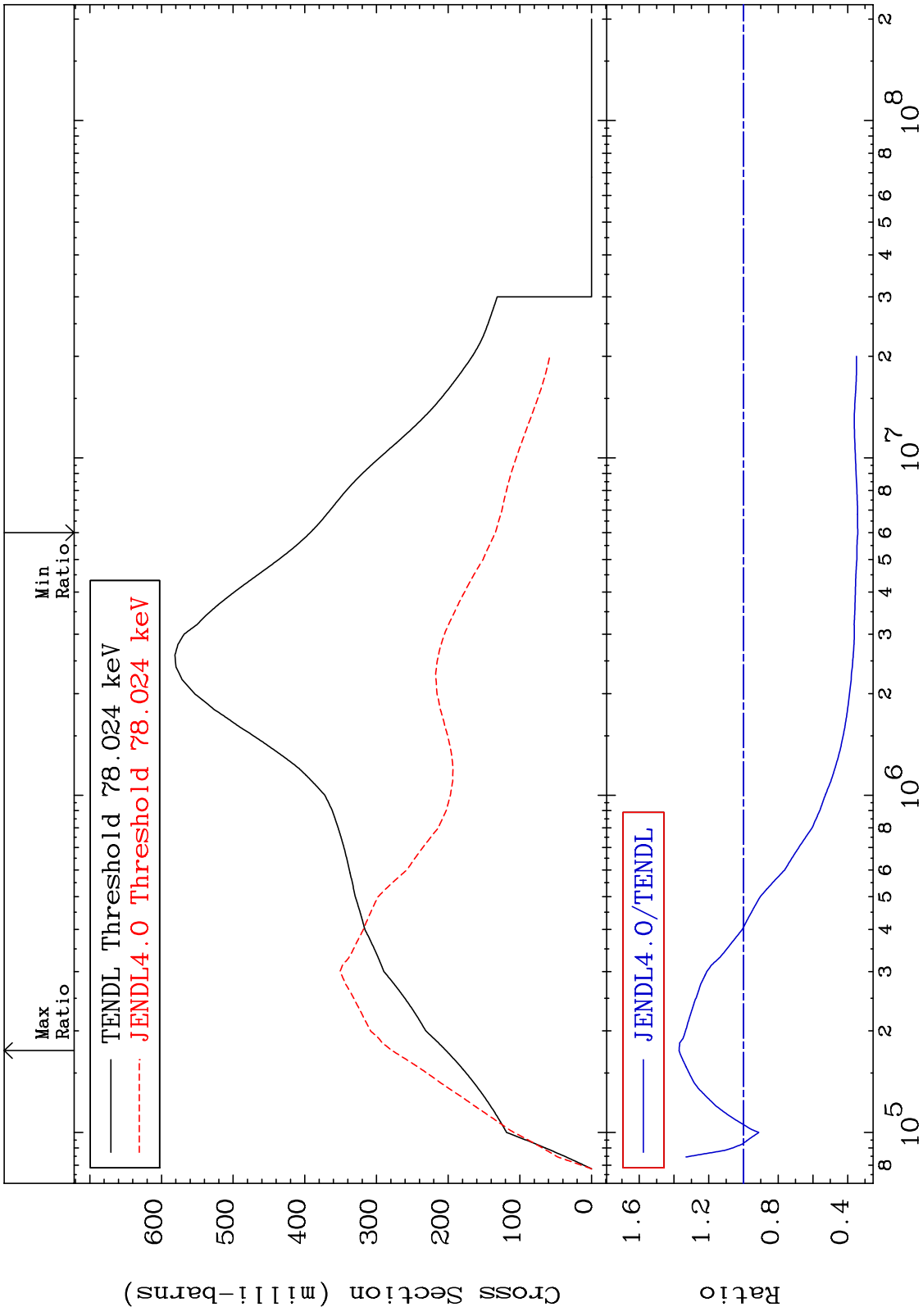
MAT 9131

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

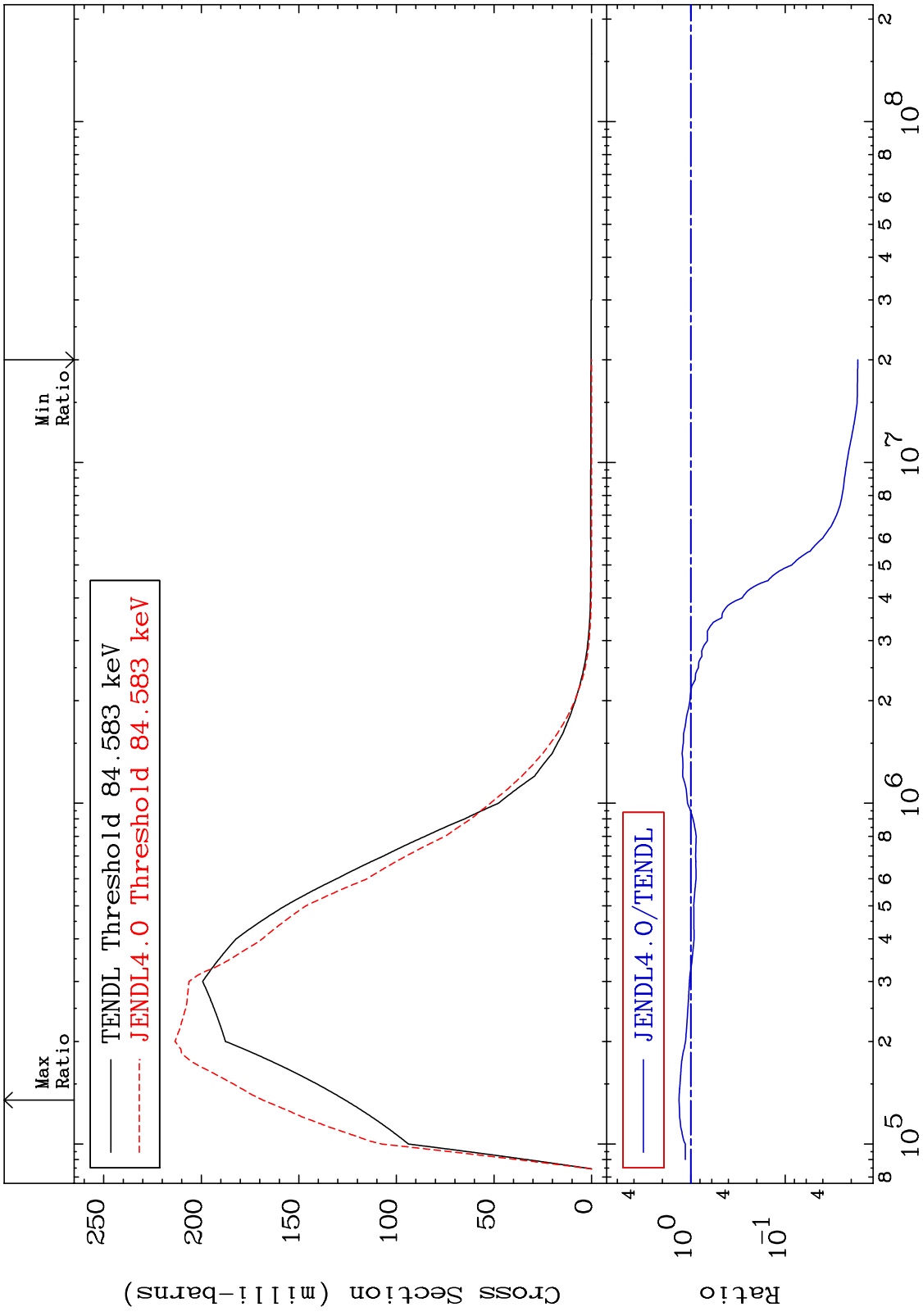
91-Pa-231  
59.91 To 9999. %



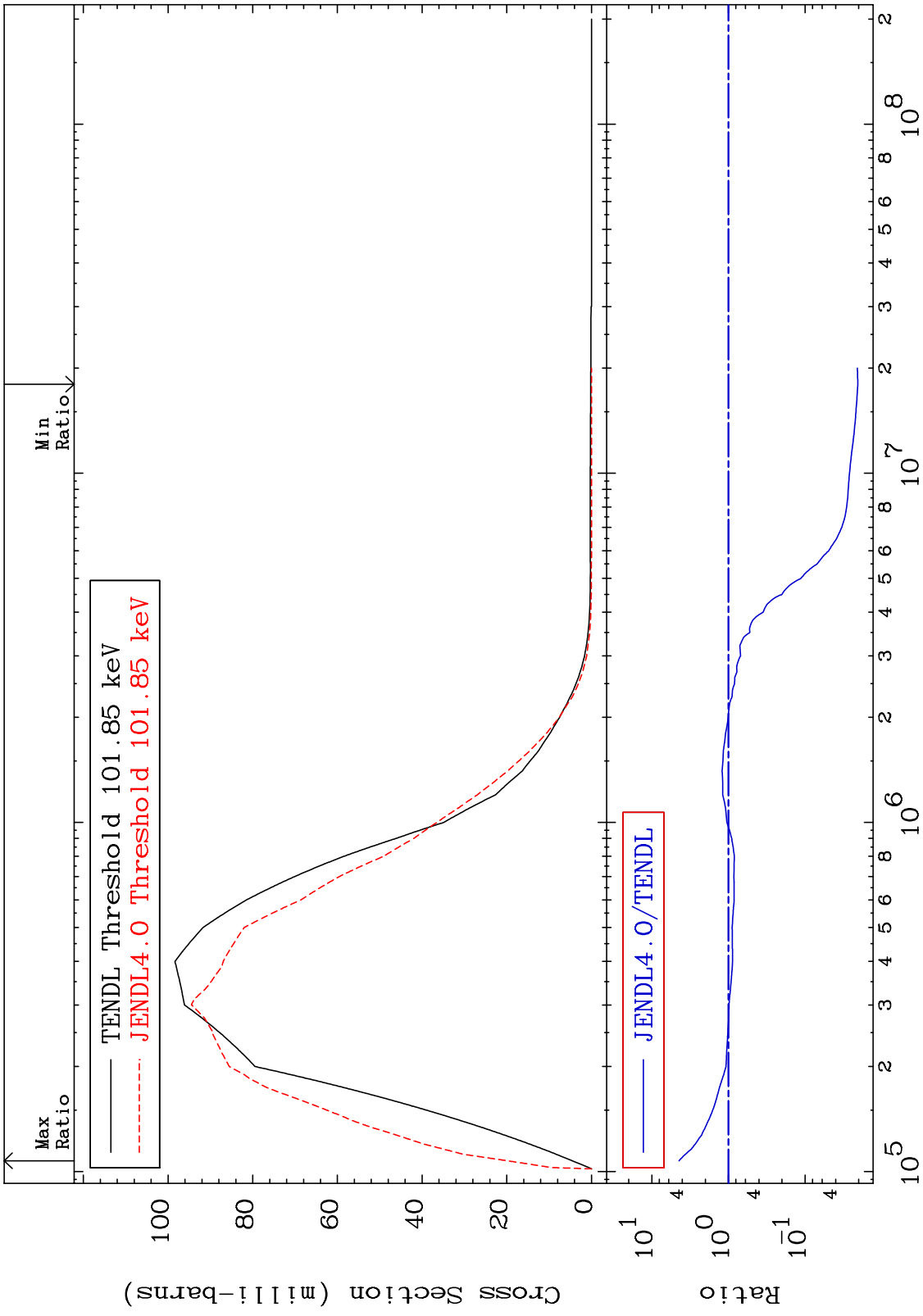
MAT 9131 MT= 53 (n,n') Level Cross Section 91-Pa-231  
 -65.87 To 37.09 %



MAT 9131 MT= 54 (n,n') Level Cross Section 91-Pa-231 -98.29 To 33.42 %



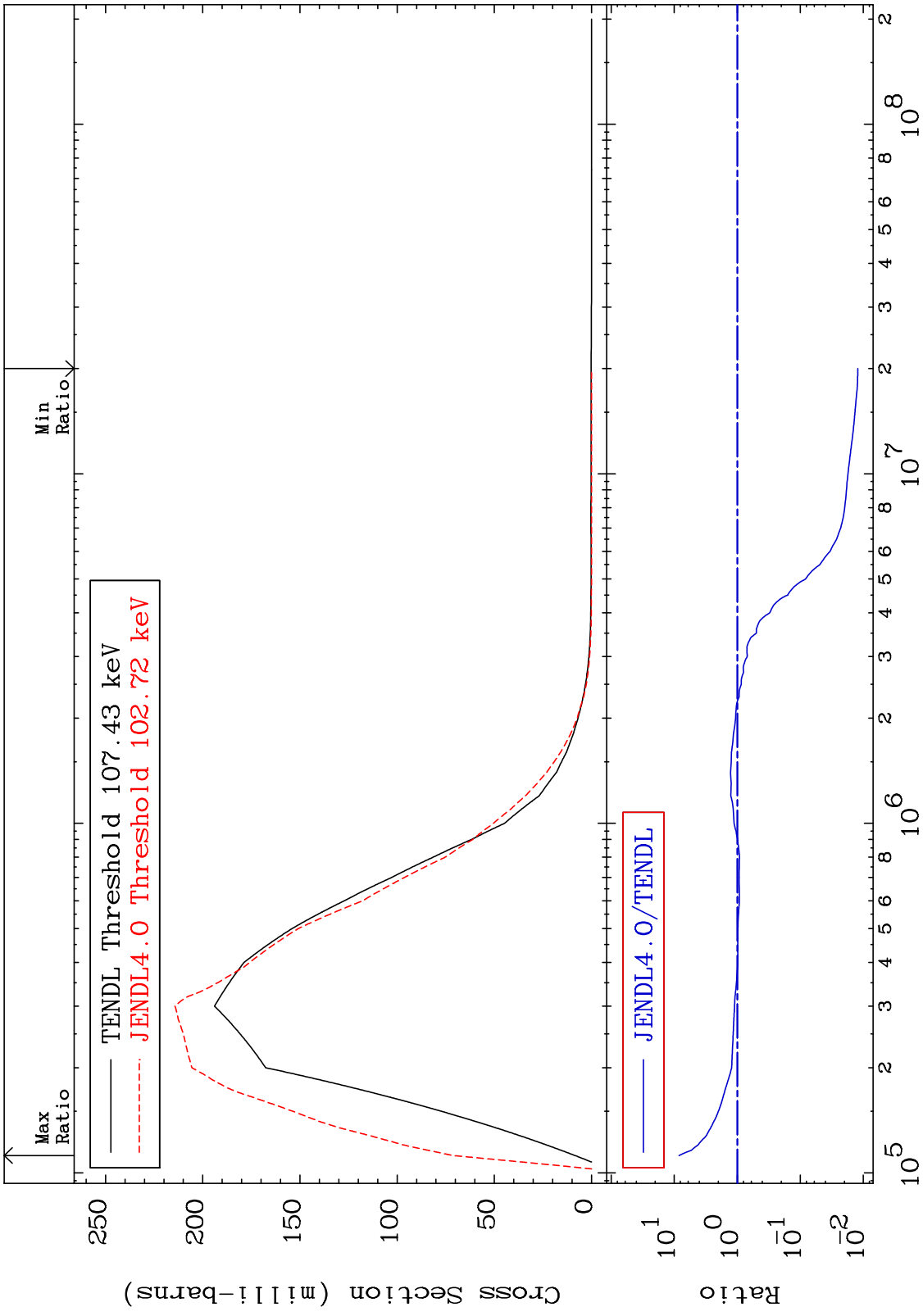
MAT 9131 MT= 55 (n,n') Level Cross Section 91-Pa-231 -97.95 To 341.1 %



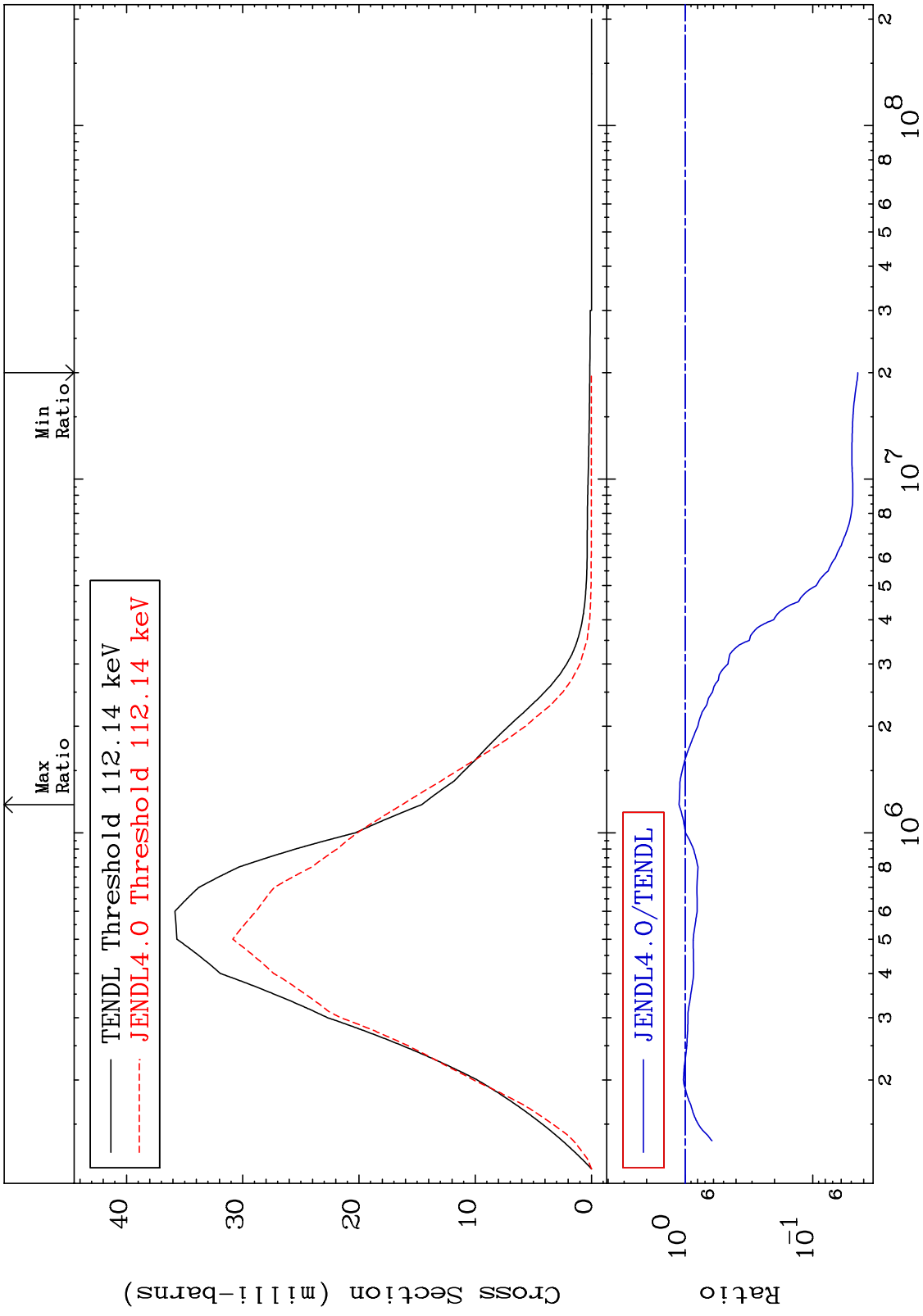
15 15 91-Pa-231



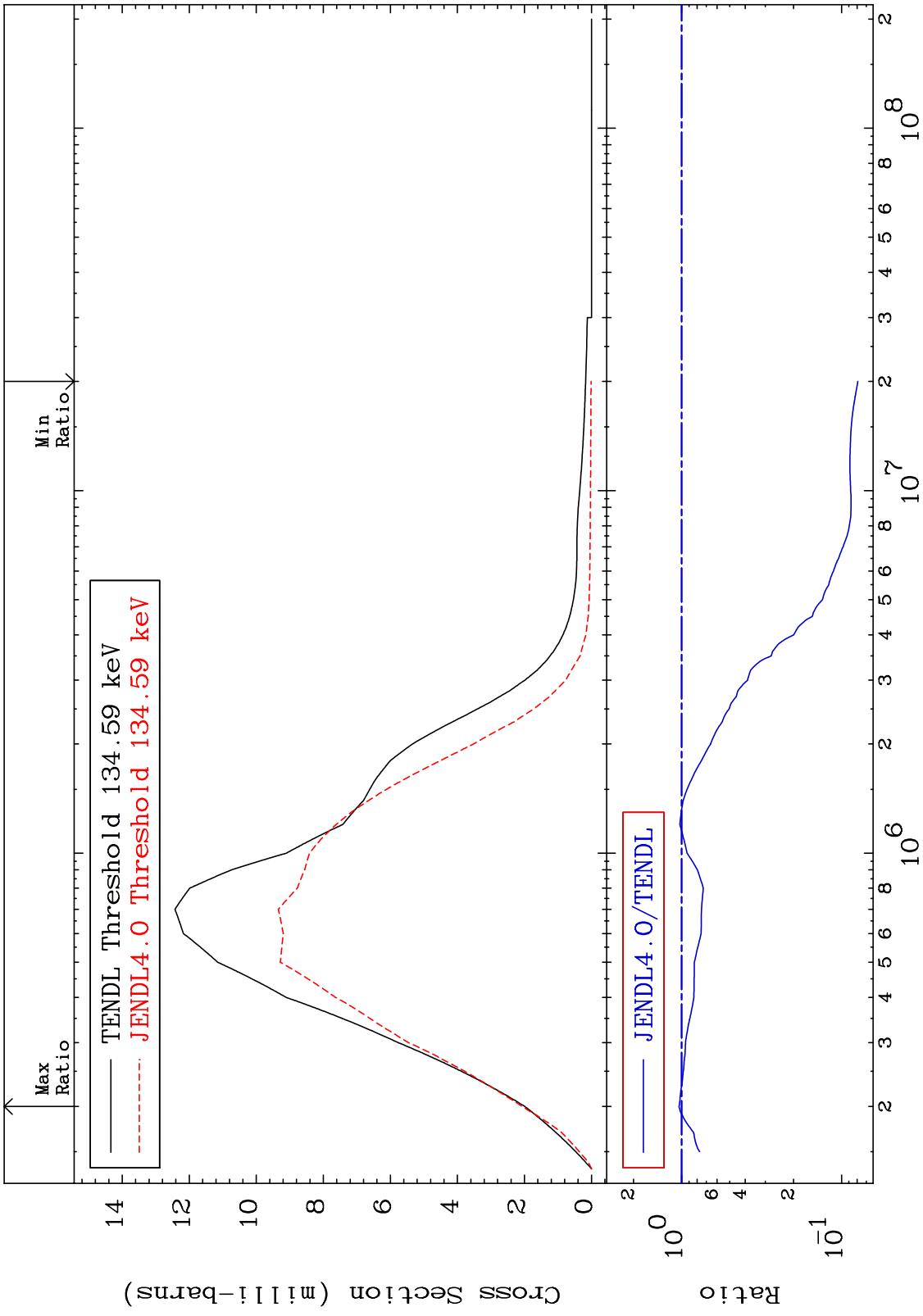
MAT 9131 MT= 56 (n,n') Level Cross Section 91-Pa-231 -98.78 To 738.7 %



MAT 9131 MT= 57 (n,n') Level Cross Section 91-Pa-231 -95.55 To 11.55 %



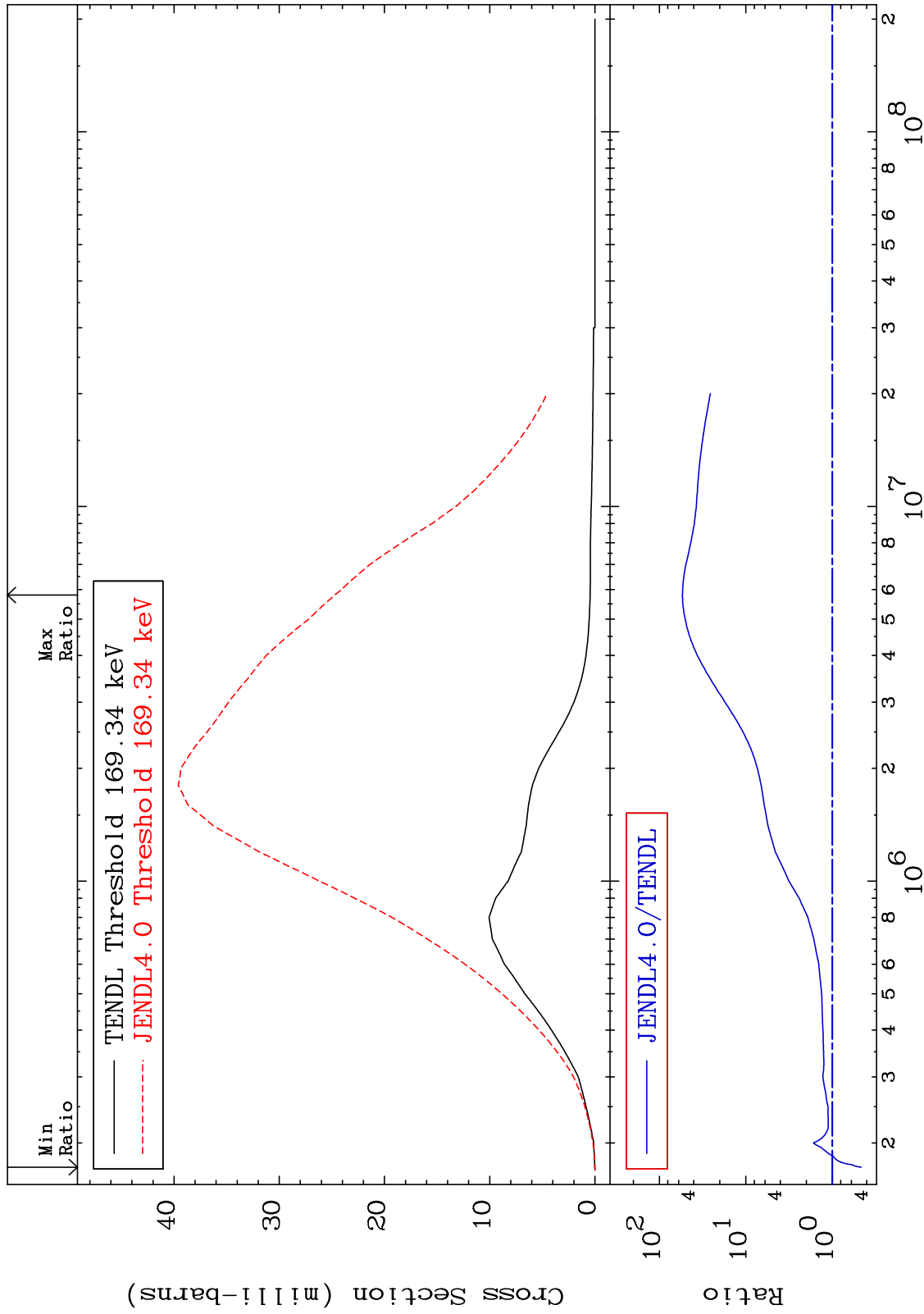
MAT 9131 MT= 58 (n,n') Level Cross Section 91-Pa-231 -92.08 To 3.754 %



MAT 9131

MT= 59 (n,n') Level  
Cross Section

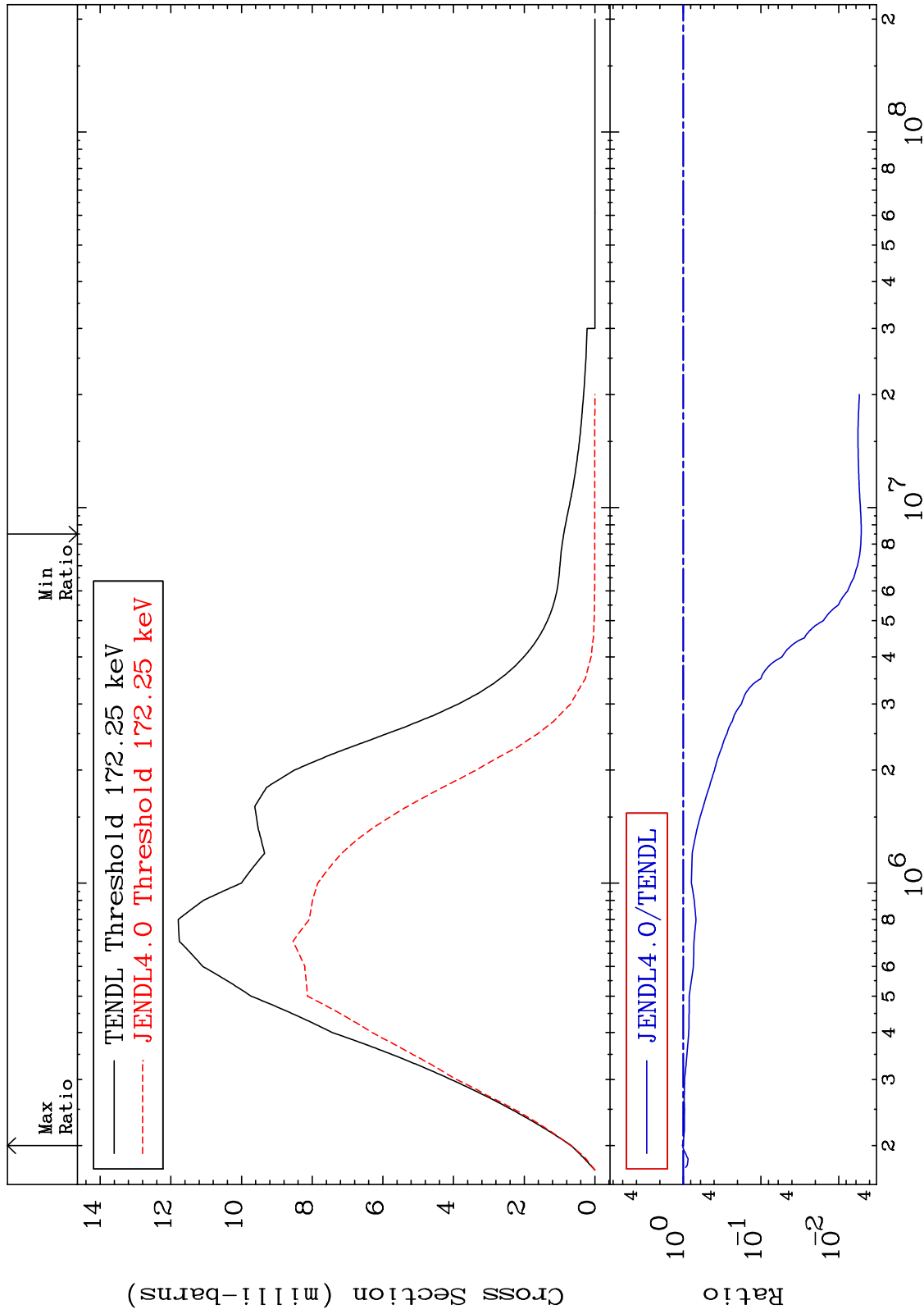
91-Pa-231  
-53.75 To 5310. %



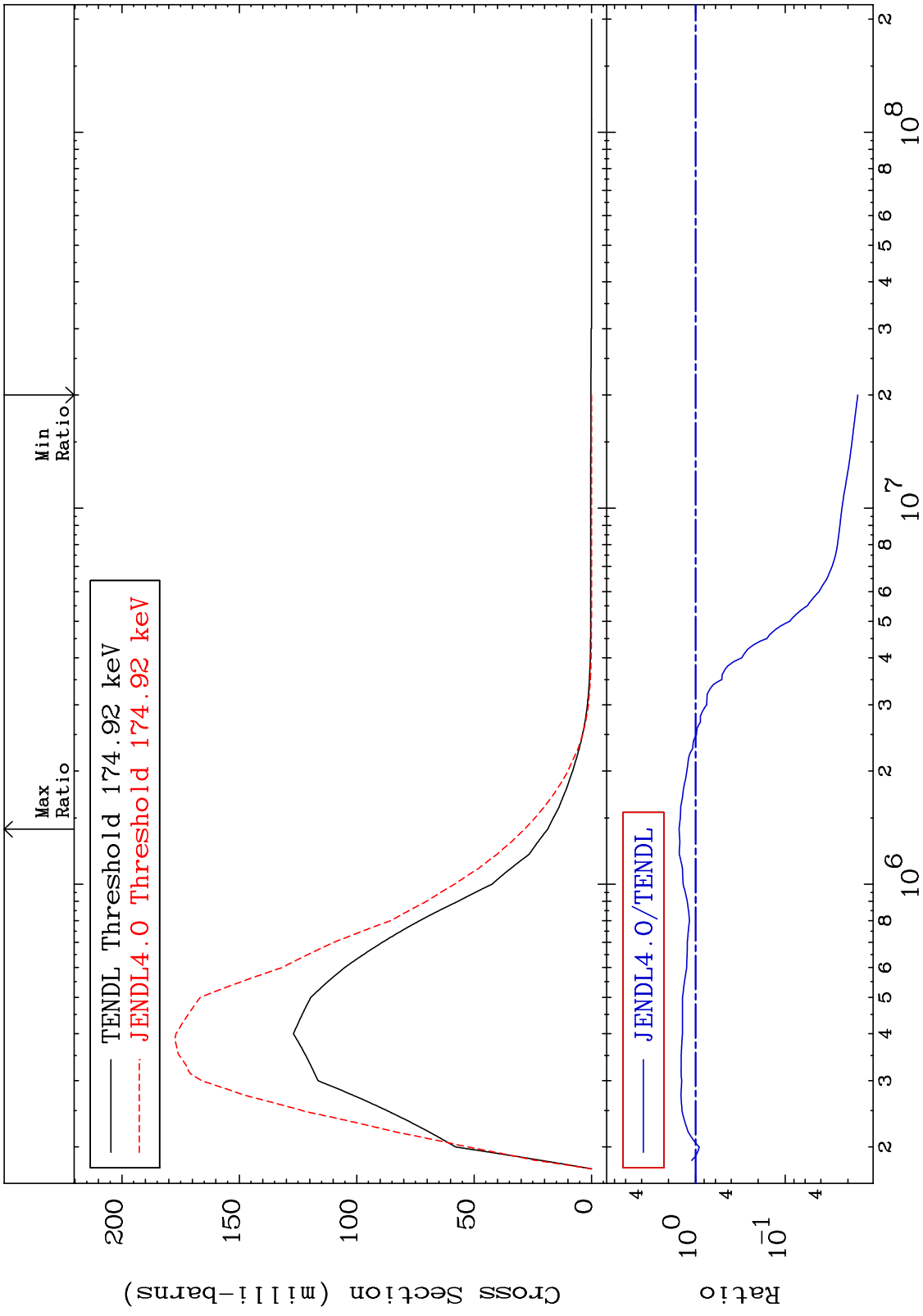
MAT 9131

MT= 60 (n,n') Level  
Cross Section

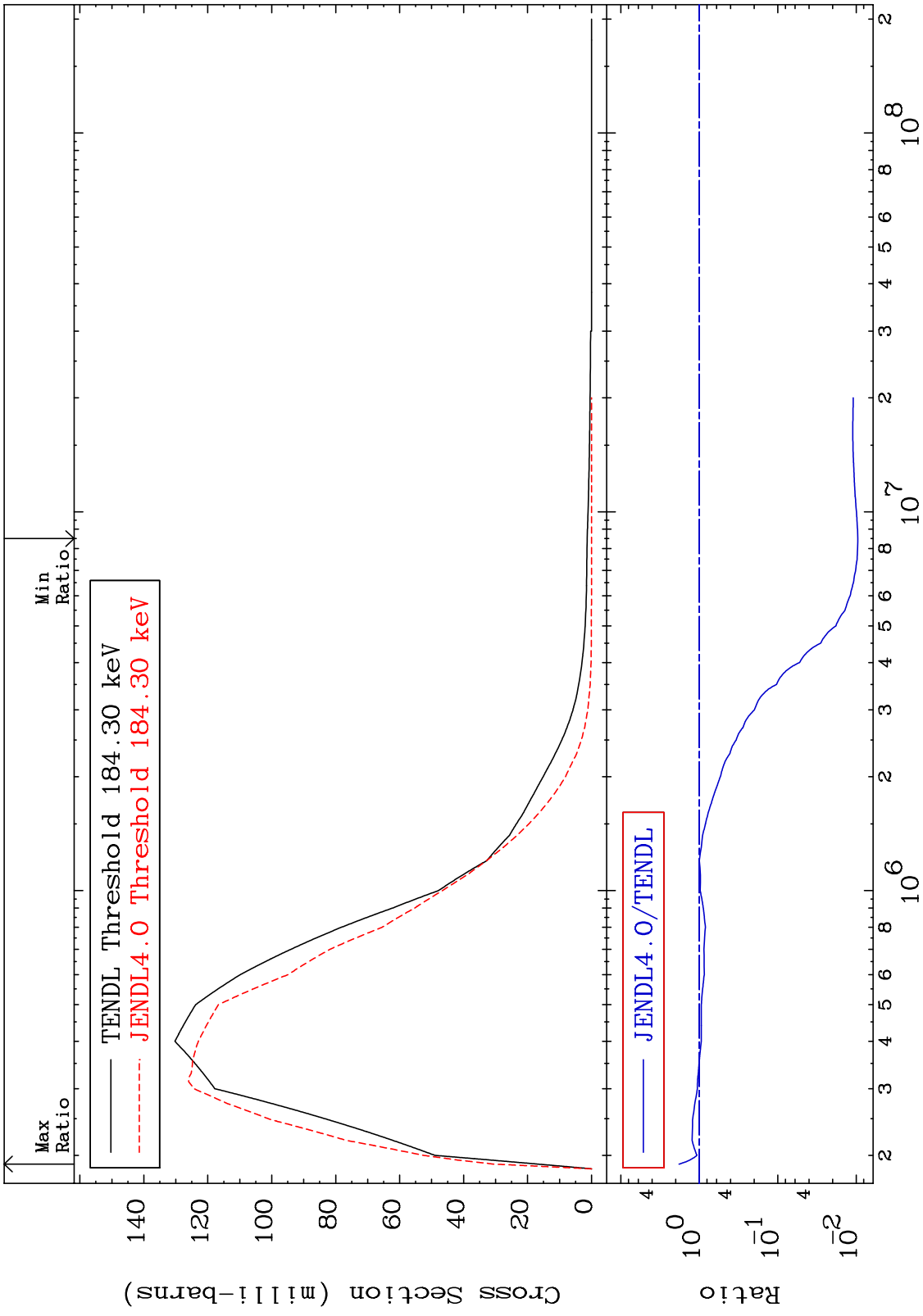
91-Pa-231  
-99.49 To 2.306 %



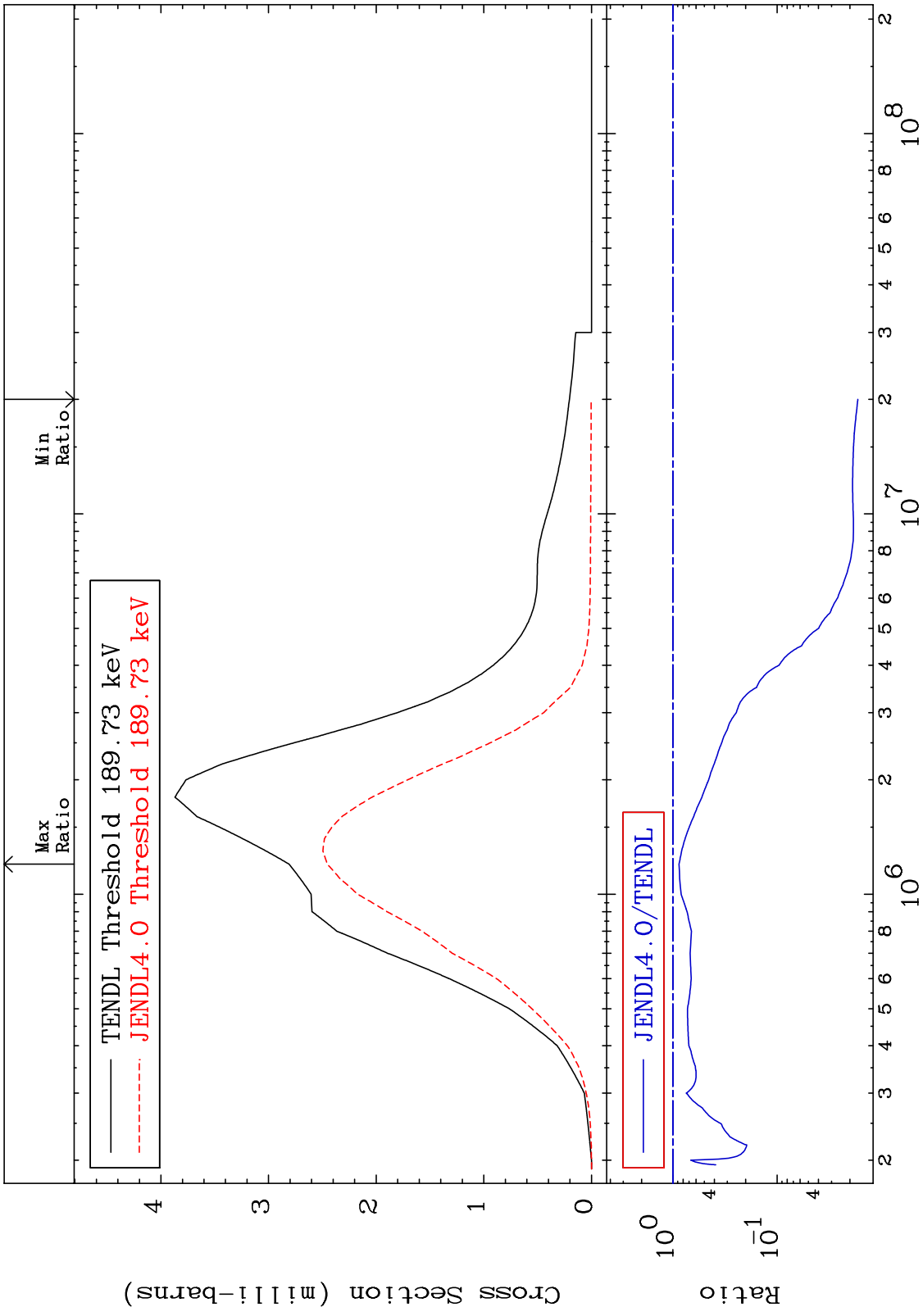
MAT 9131 MT= 61 (n,n') Level Cross Section 91-Pa-231 -98.45 To 52.62 %



MAT 9131 MT= 62 (n,n') Level Cross Section 91-Pa-231 -99.05 To 81.04 %

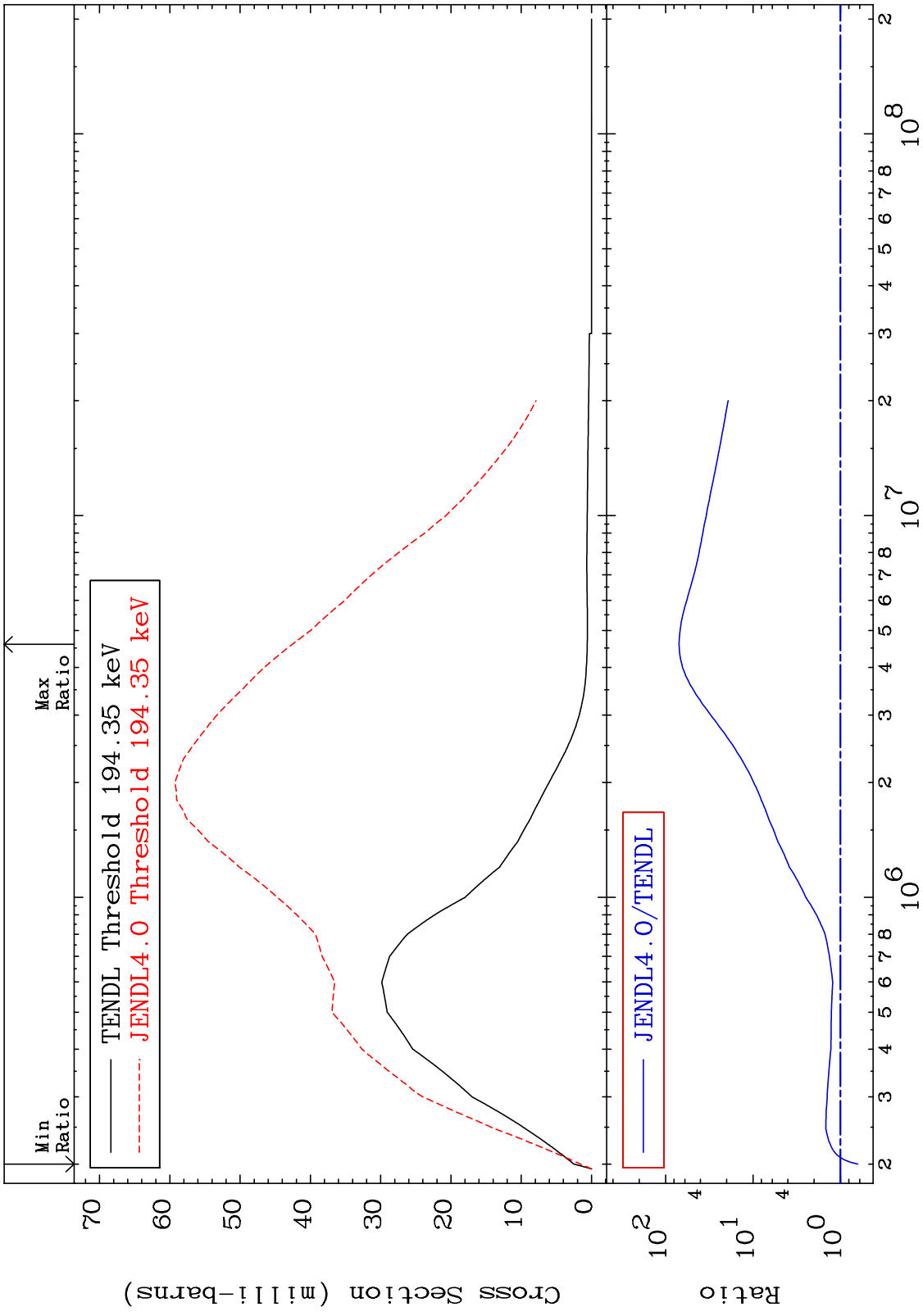


MAT 9131 MT= 63 (n,n') Level Cross Section 91-Pa-231 -98.32 To -12.64%

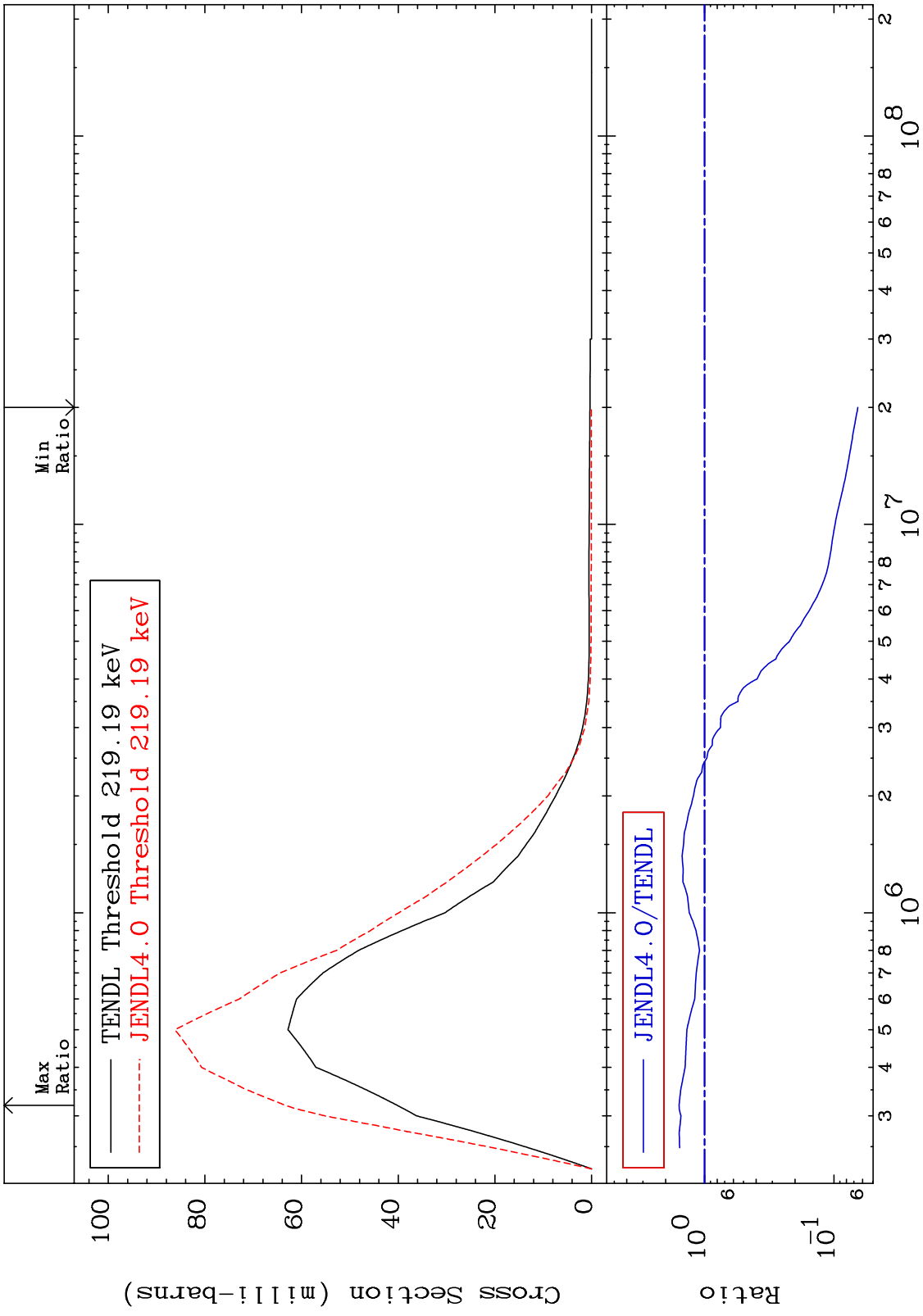




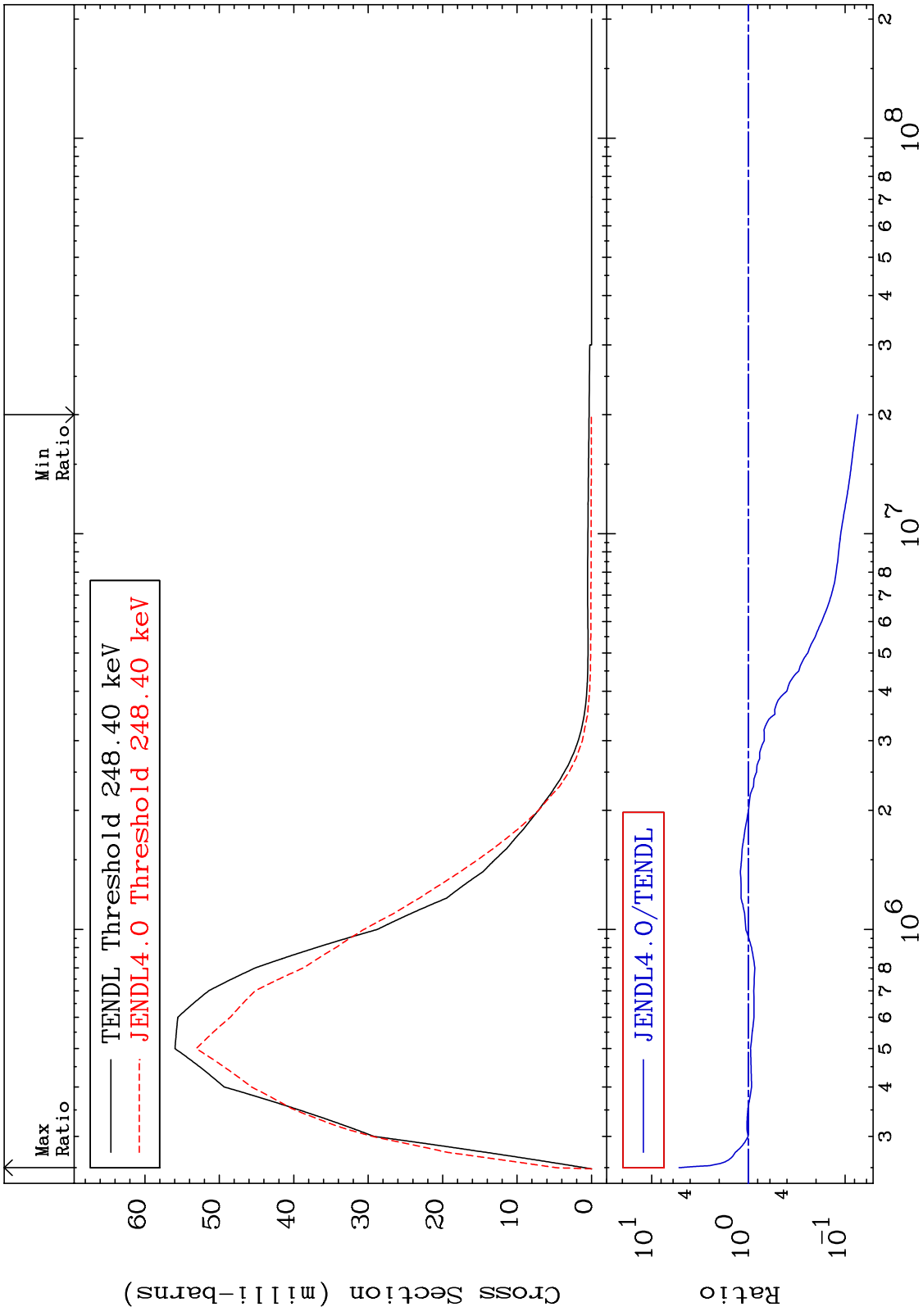
MAT 9131 MT= 64 (n,n') Level Cross Section -36.81 To 6911. % 91-Pa-231



MAT 9131 MT= 65 (n,n') Level Cross Section 91-Pa-231 -93.47 To 57.69 %



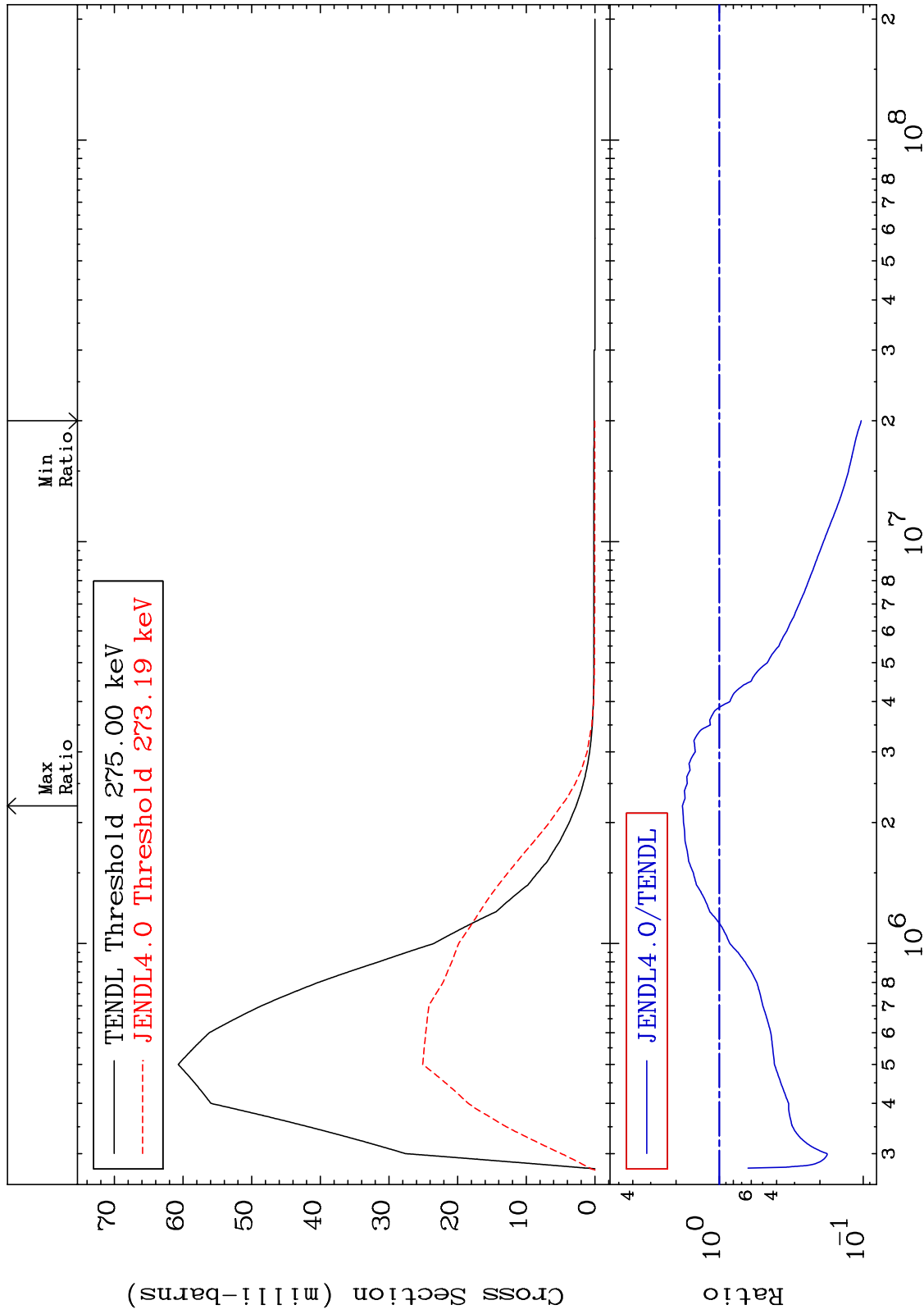
MAT 9131 MT= 66 (n,n') Level Cross Section 91-Pa-231 -92.61 To 420.3 %



MAT 9131

MT= 67 (n,n') Level  
Cross Section

91-Pa-231  
-89.70 To 80.37 %

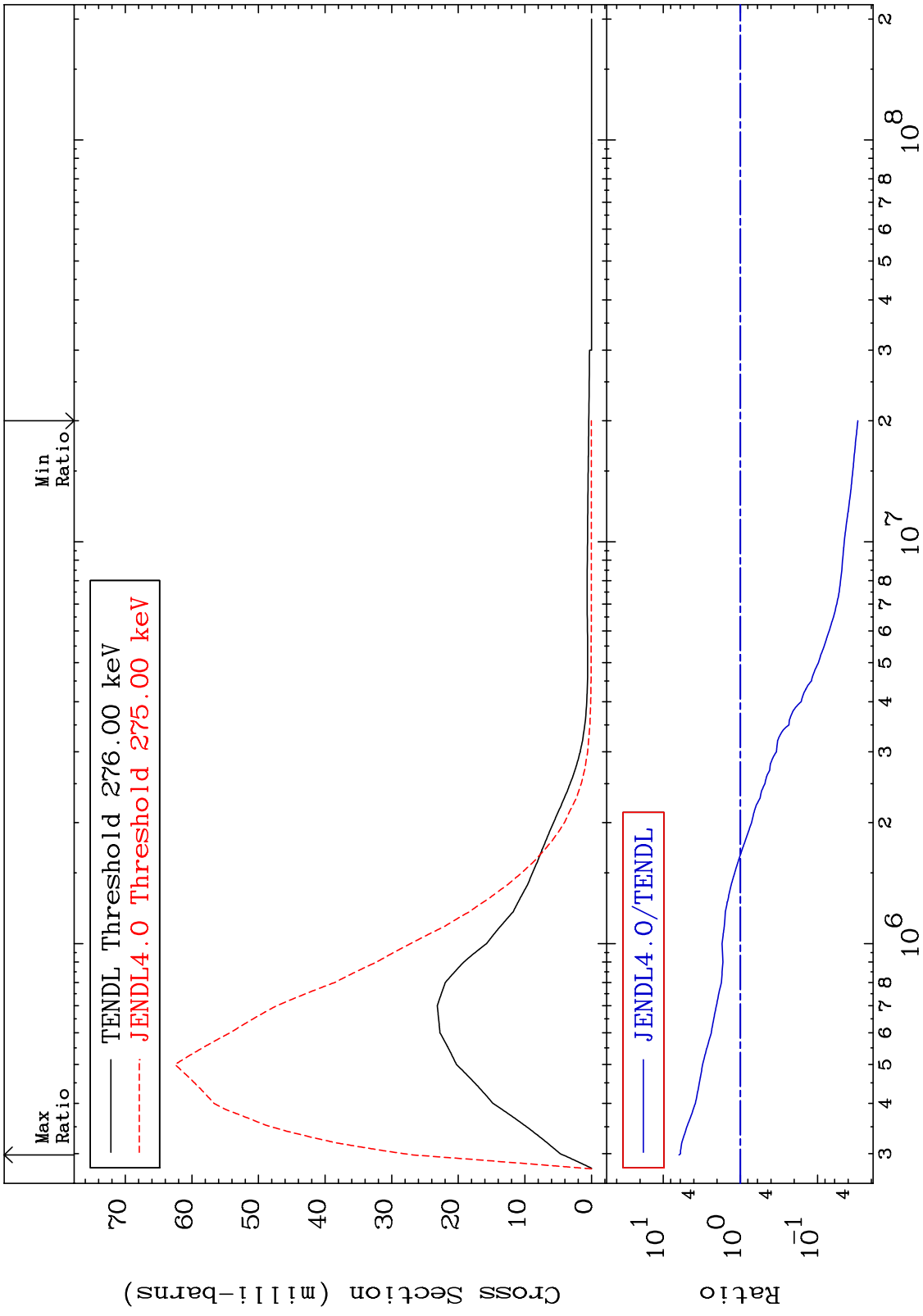


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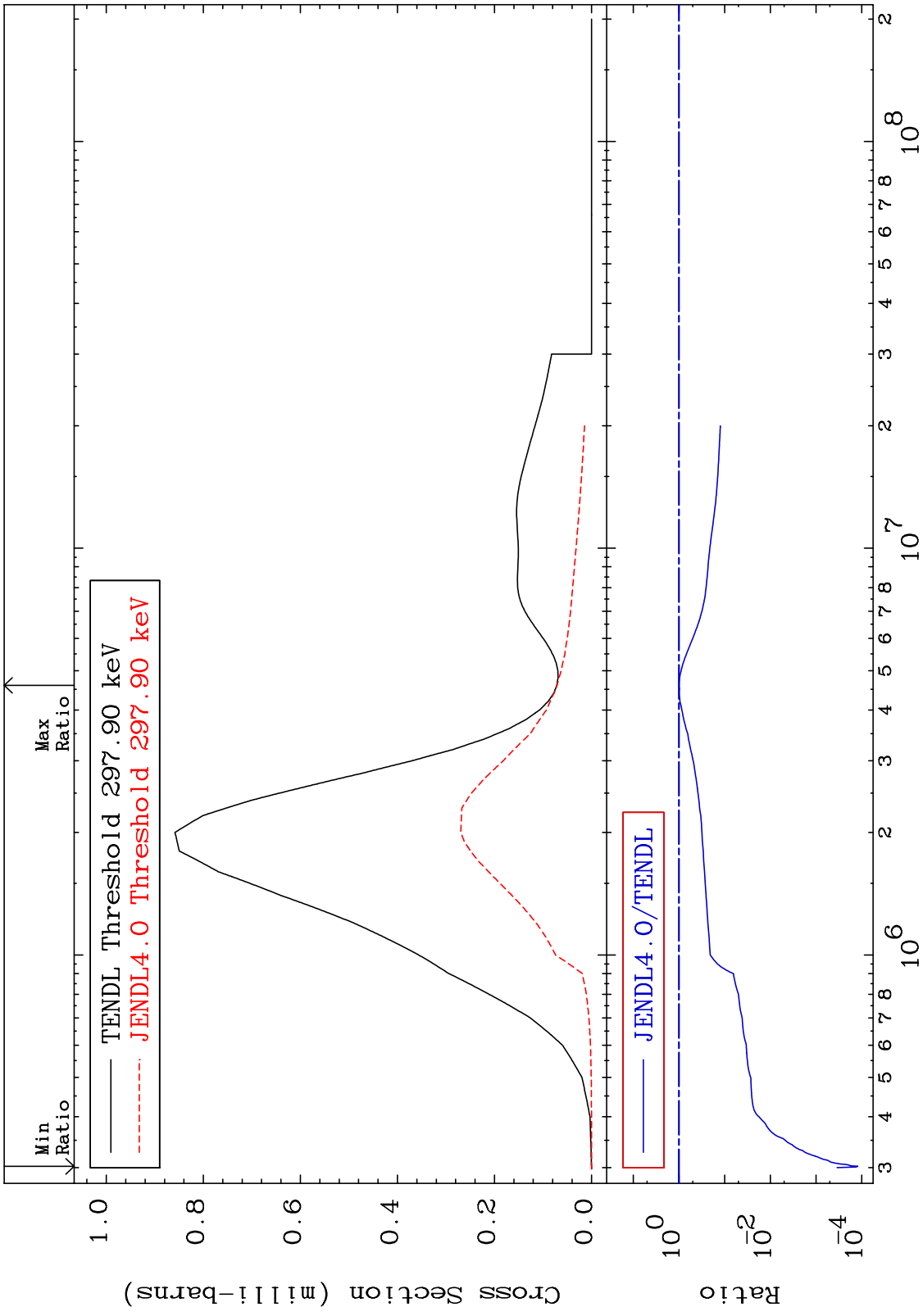
Incident Energy (eV)

91-Pa-231

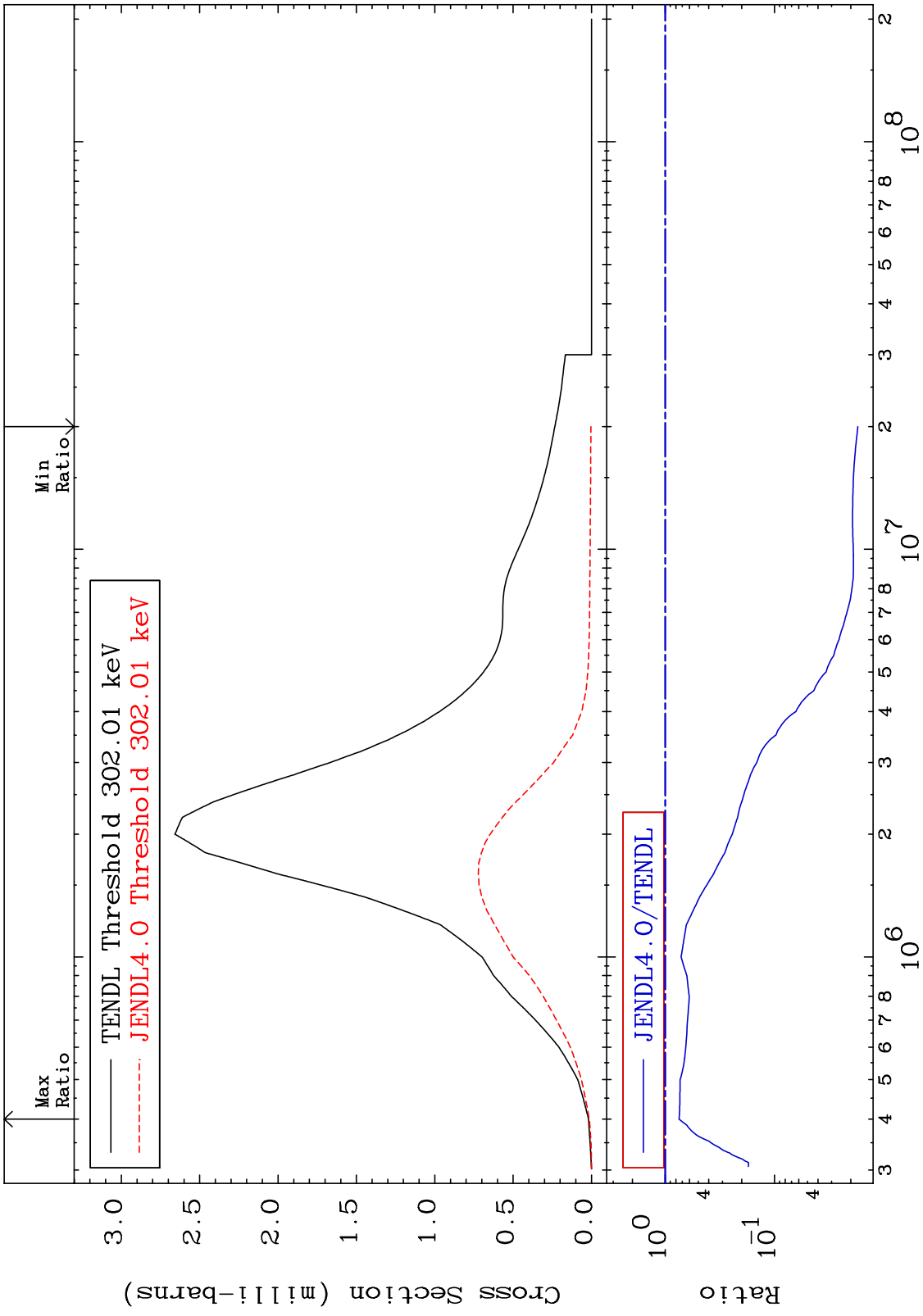
MAT 9131 MT= 68 (n,n') Level Cross Section 91-Pa-231 -97.00 To 523.0 %



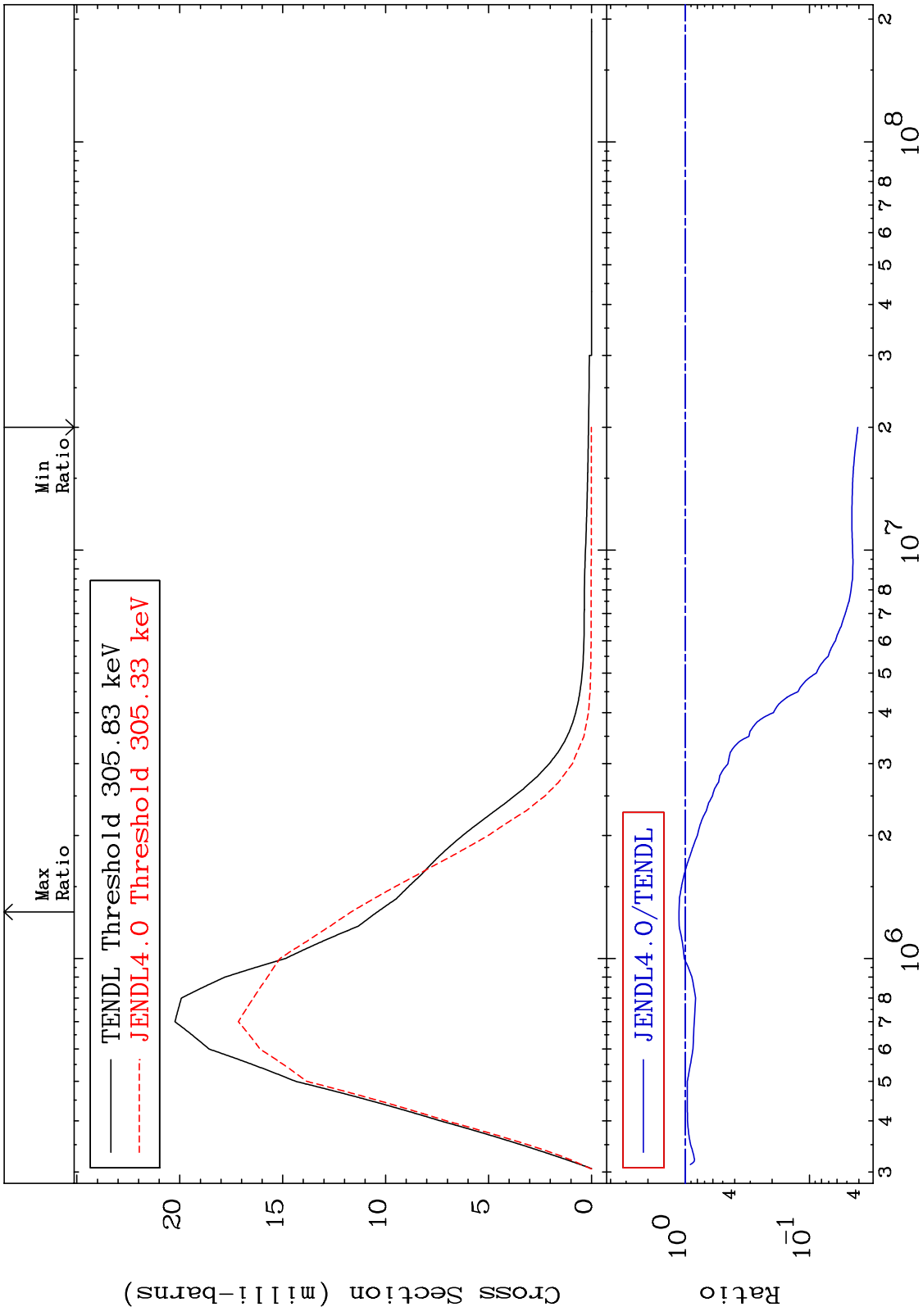
MAT 9131 MT= 69 (n,n') Level Cross Section 91-Pa-231 -99.99 To -0.131%



MAT 9131 MT= 70 (n,n') Level Cross Section 91-Pa-231 -98.27 To -25.24%

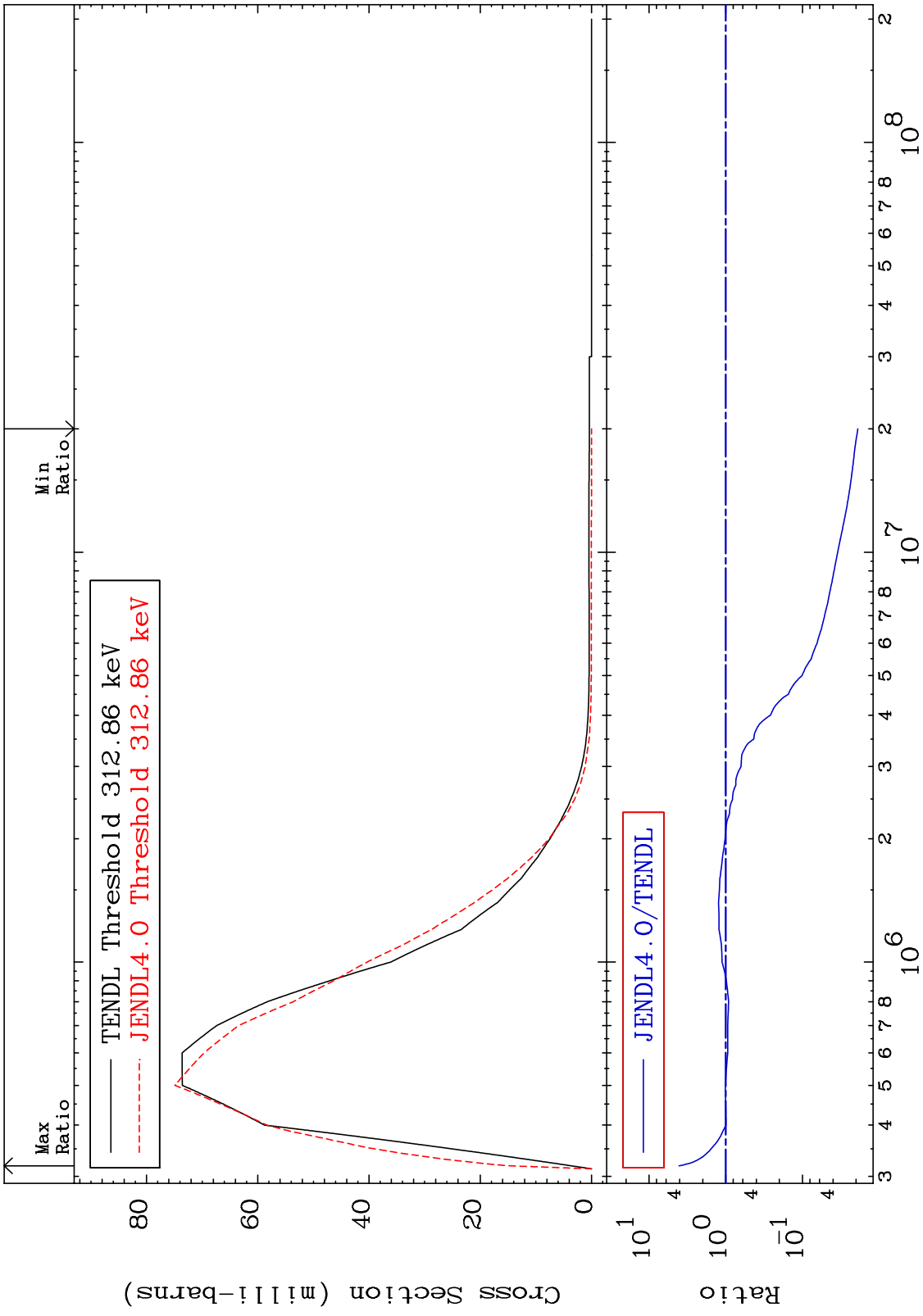


MAT 9131 MT= 71 (n,n') Level Cross Section 91-Pa-231 -95.92 To 12.23 %

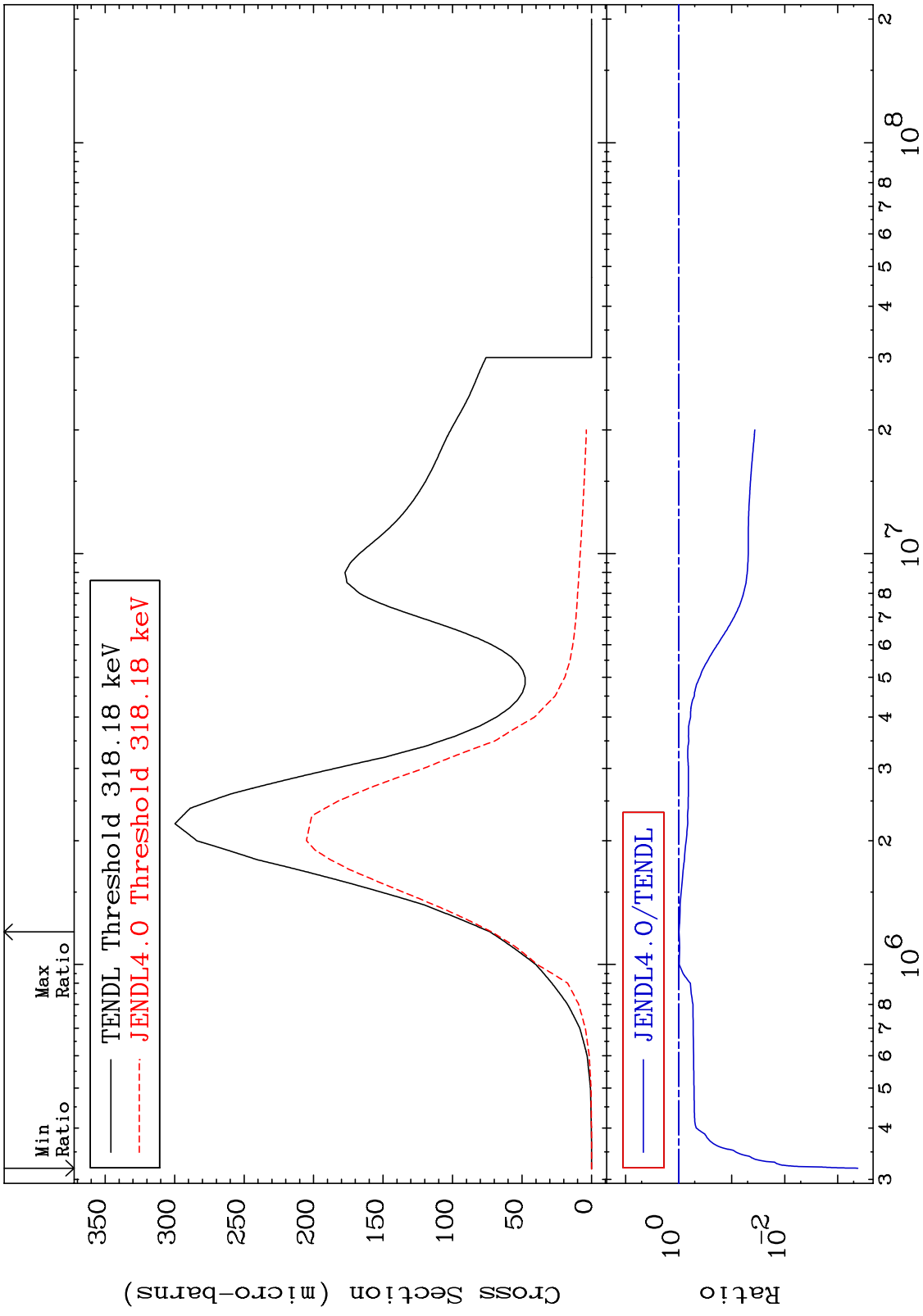




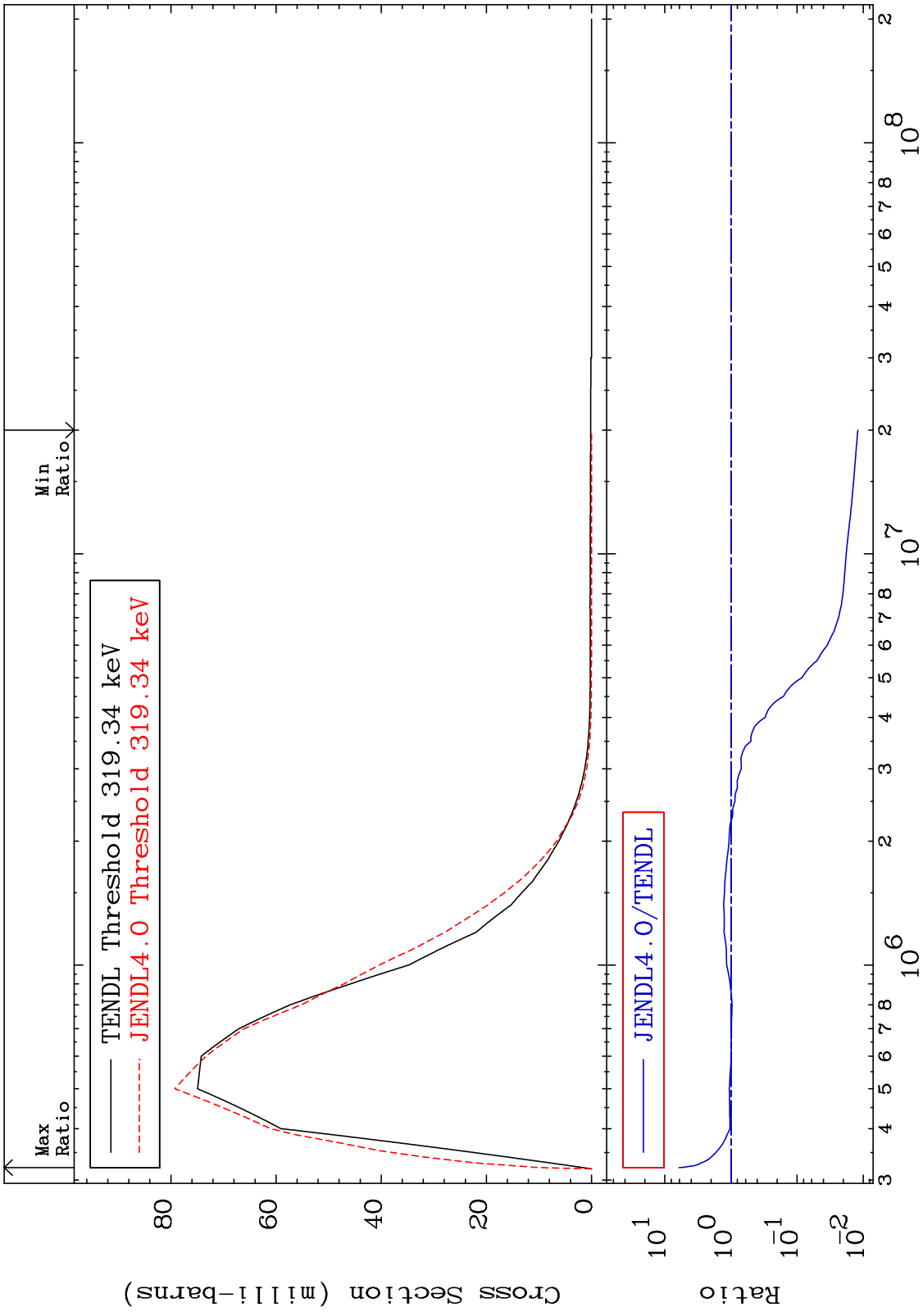
MAT 9131 MT= 72 (n,n') Level Cross Section 91-Pa-231 -98.10 To 307.1 %



MAT 9131 MT= 73 (n,n') Level Cross Section 91-Pa-231 -99.96 To -1.553%

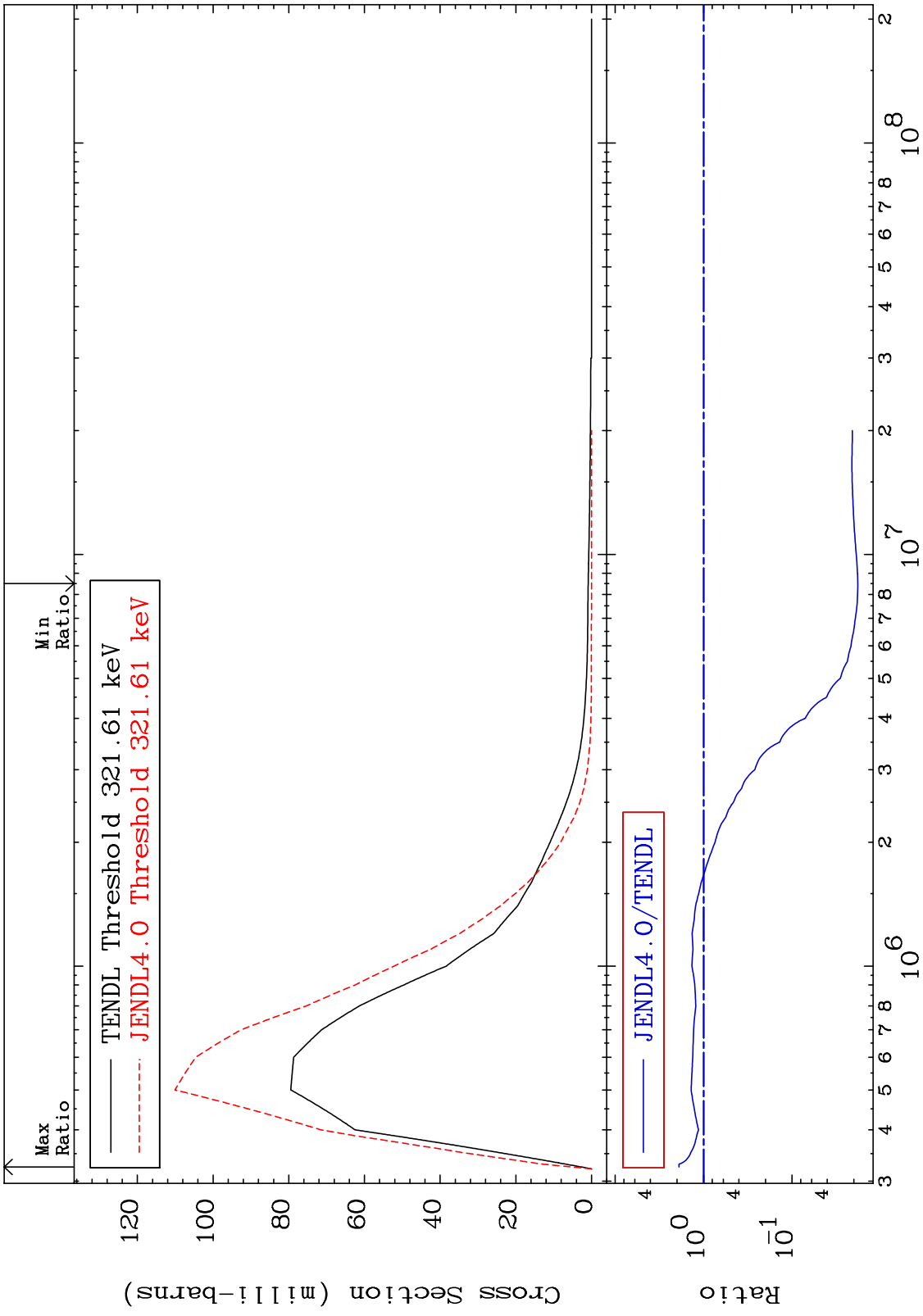


MAT 9131 MT= 74 (n,n') Level Cross Section 91-Pa-231 -98.80 To 509.4 %

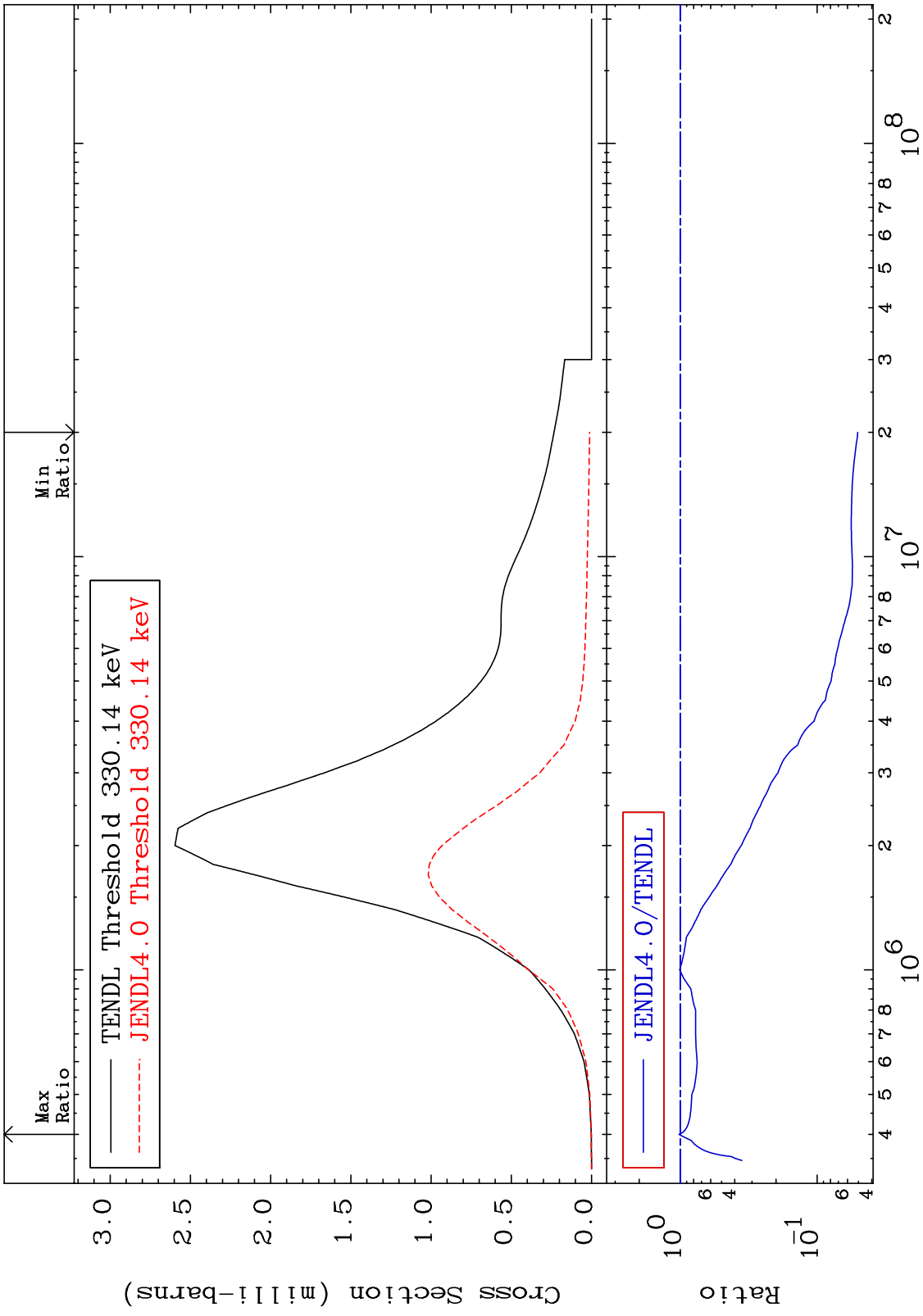


34 91-Pa-231

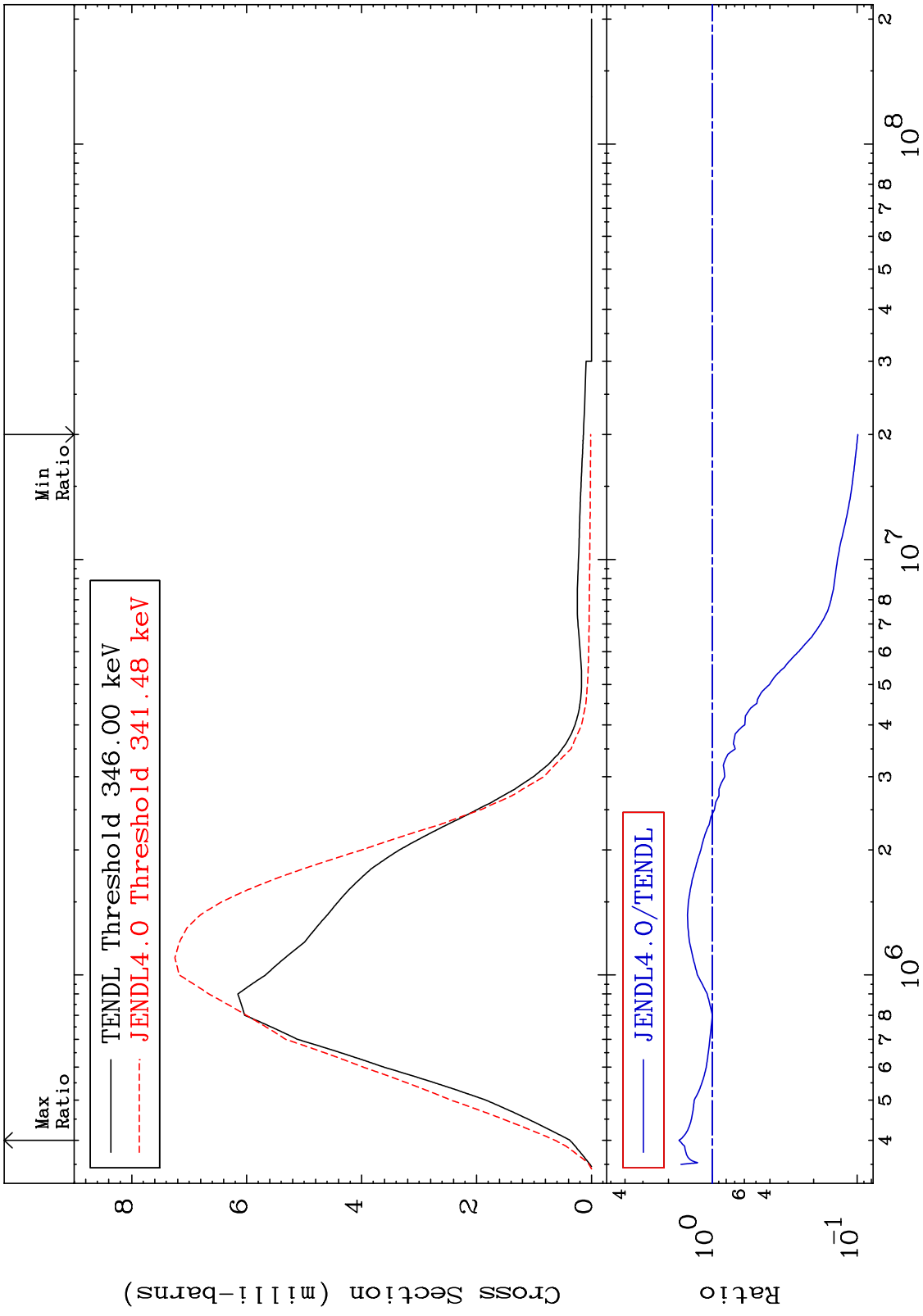
MAT 9131 MT= 75 (n,n') Level Cross Section 91-Pa-231 -98.20 To 89.75 %



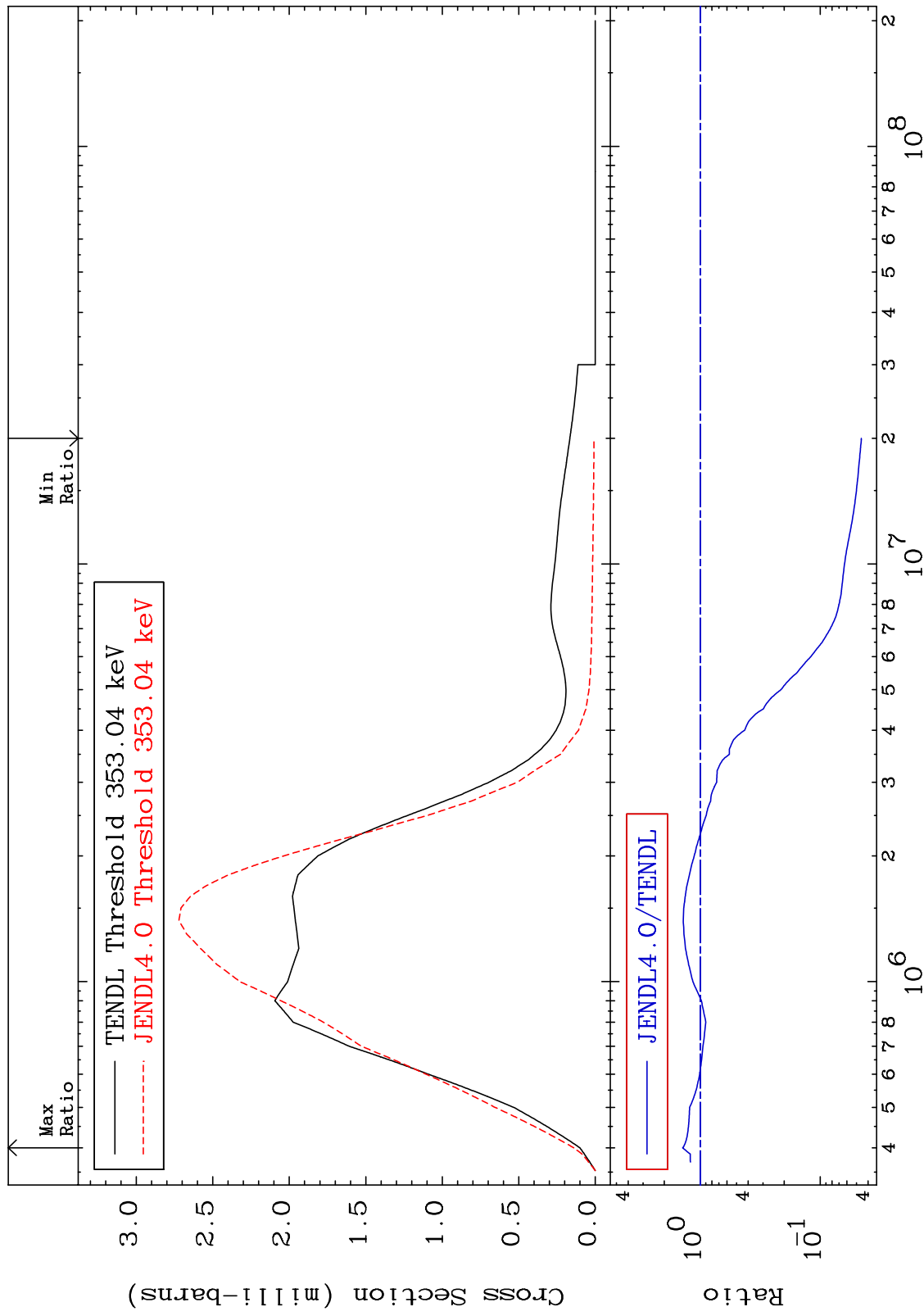
MAT 9131 MT= 76 (n,n') Level Cross Section 91-Pa-231 -94.95 To 2.246 %



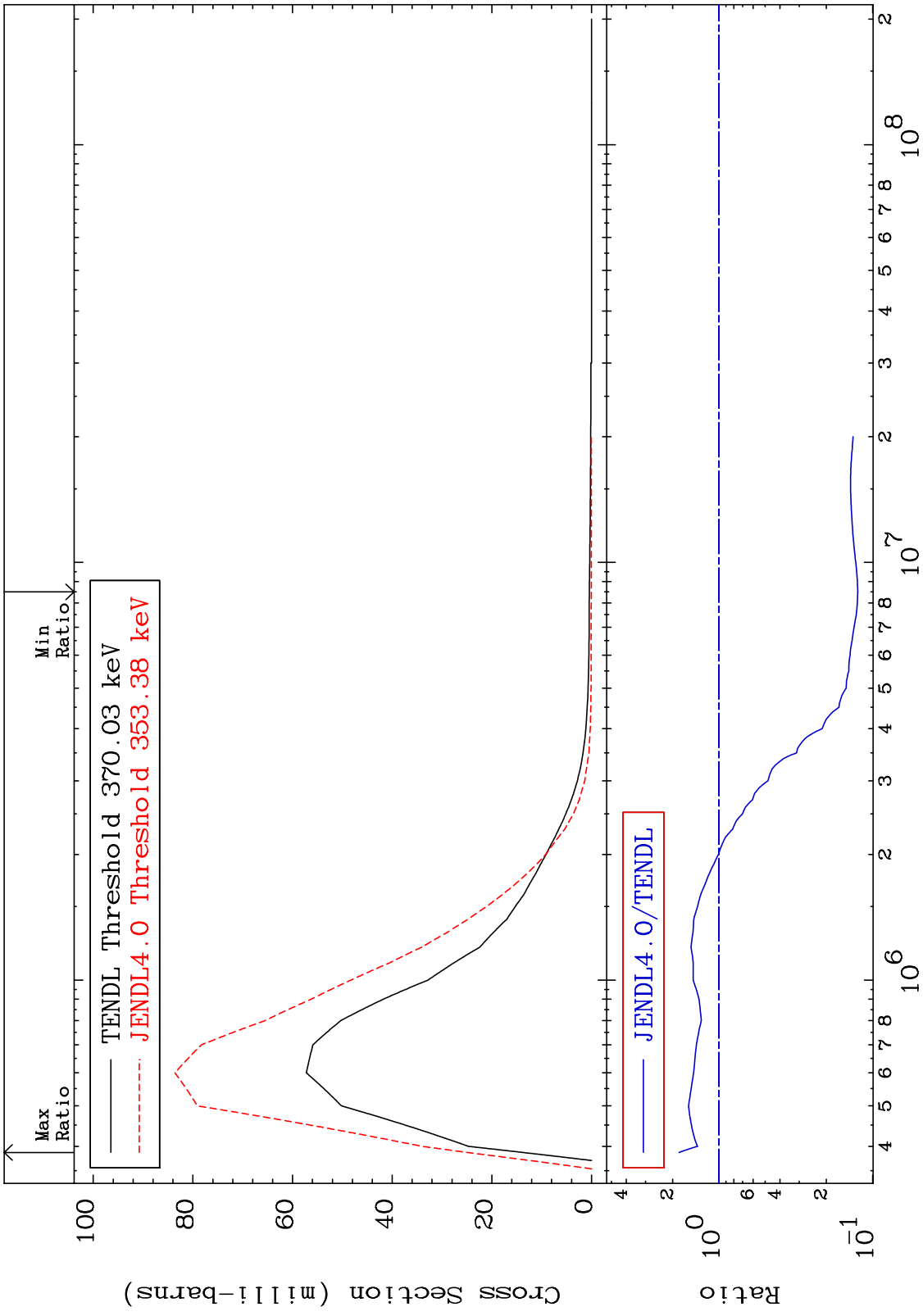
MAT 9131 MT= 77 (n,n') Level Cross Section 91-Pa-231 -90.10 To 69.28 %



MAT 9131 MT= 78 (n,n') Level Cross Section 91-Pa-231 -95.45 To 40.40 %

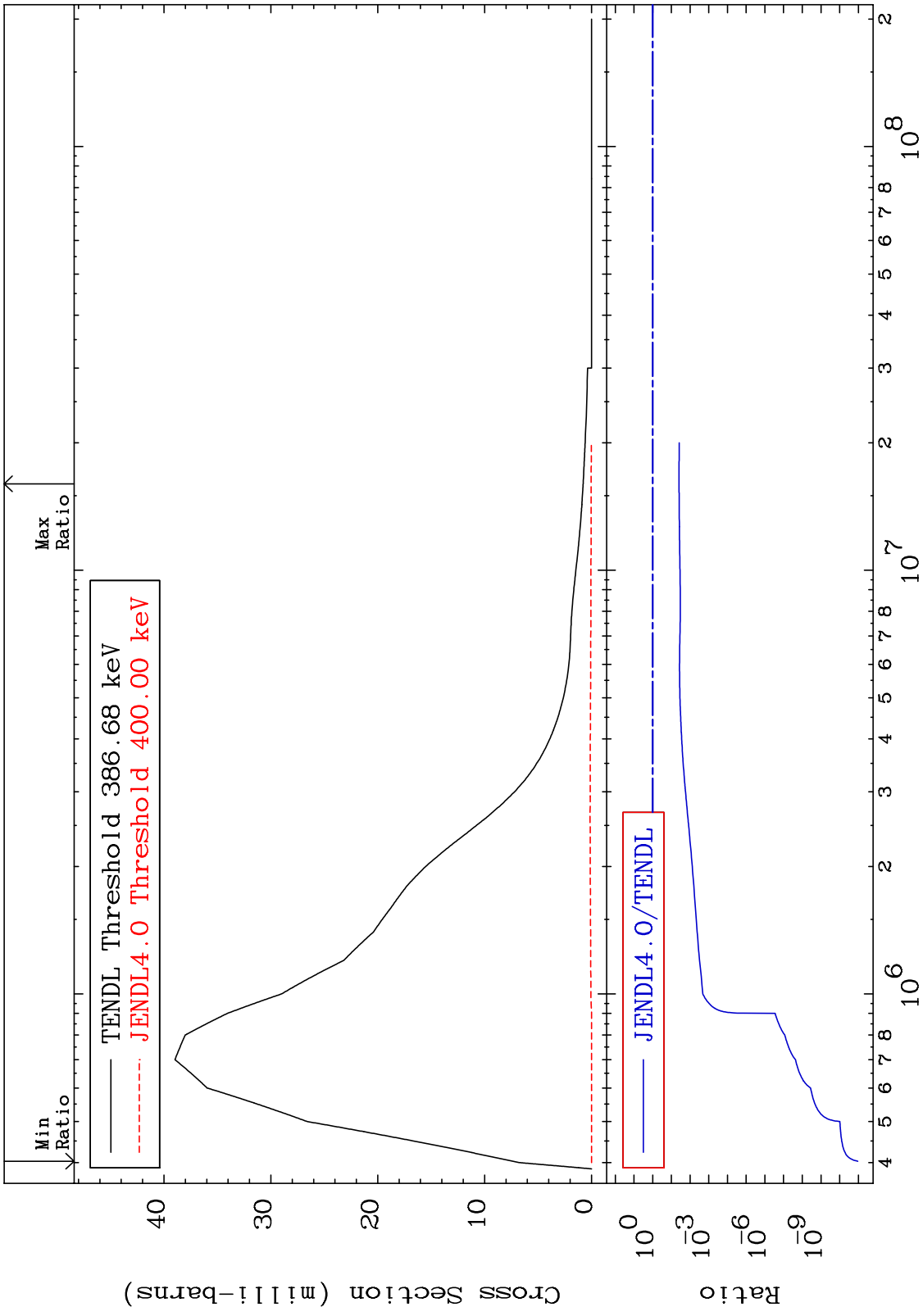


MAT 9131 MT= 79 (n,n') Level Cross Section 91-Pa-231 -87.53 To 81.59 %





MAT 9131 MT= 80 (n,n') Level Cross Section -100.0 To -96.11% 91-Pa-231

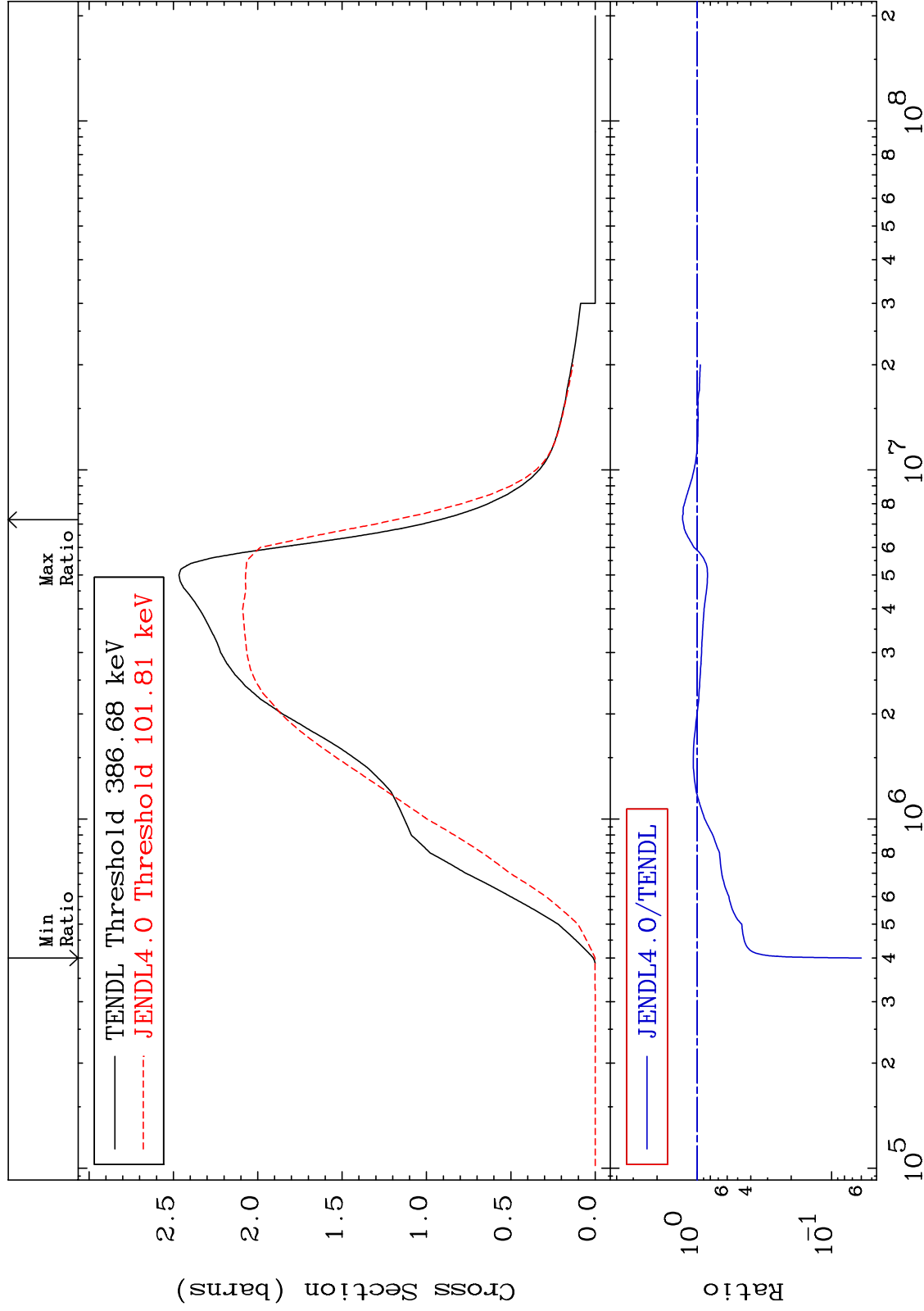


40 Incident Energy (eV) 91-Pa-231

MAT 9131

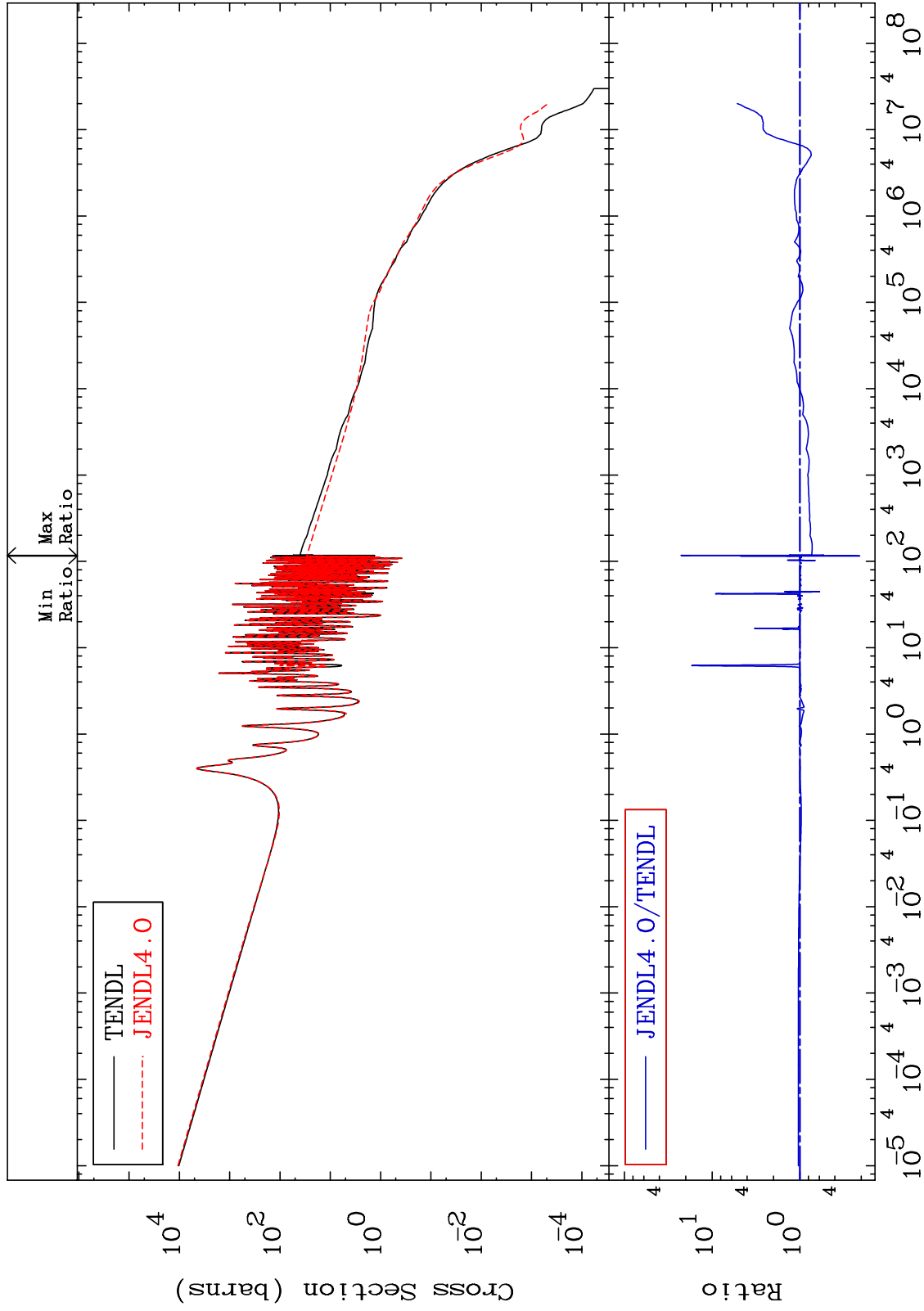
(n, n') Continuum  
Cross Section

91-Pa-231  
-94.01 To 28.62 %



MAT 9131

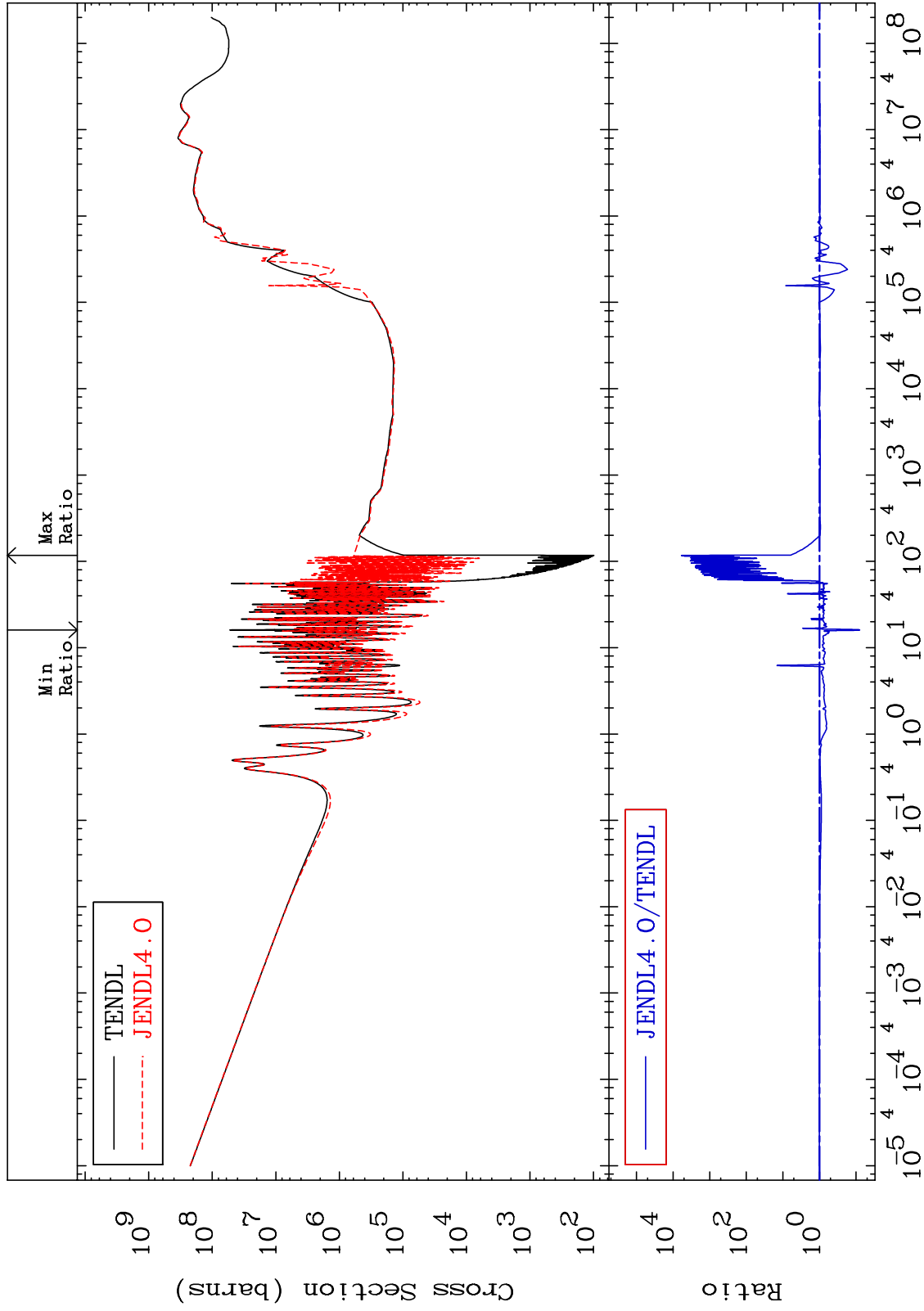
(n,  $\gamma$ ) Cross Section  
91-Pa-231  
-79.20 To 2149. %



MAT 9131

Kerma total (eV-barns)  
Cross Section

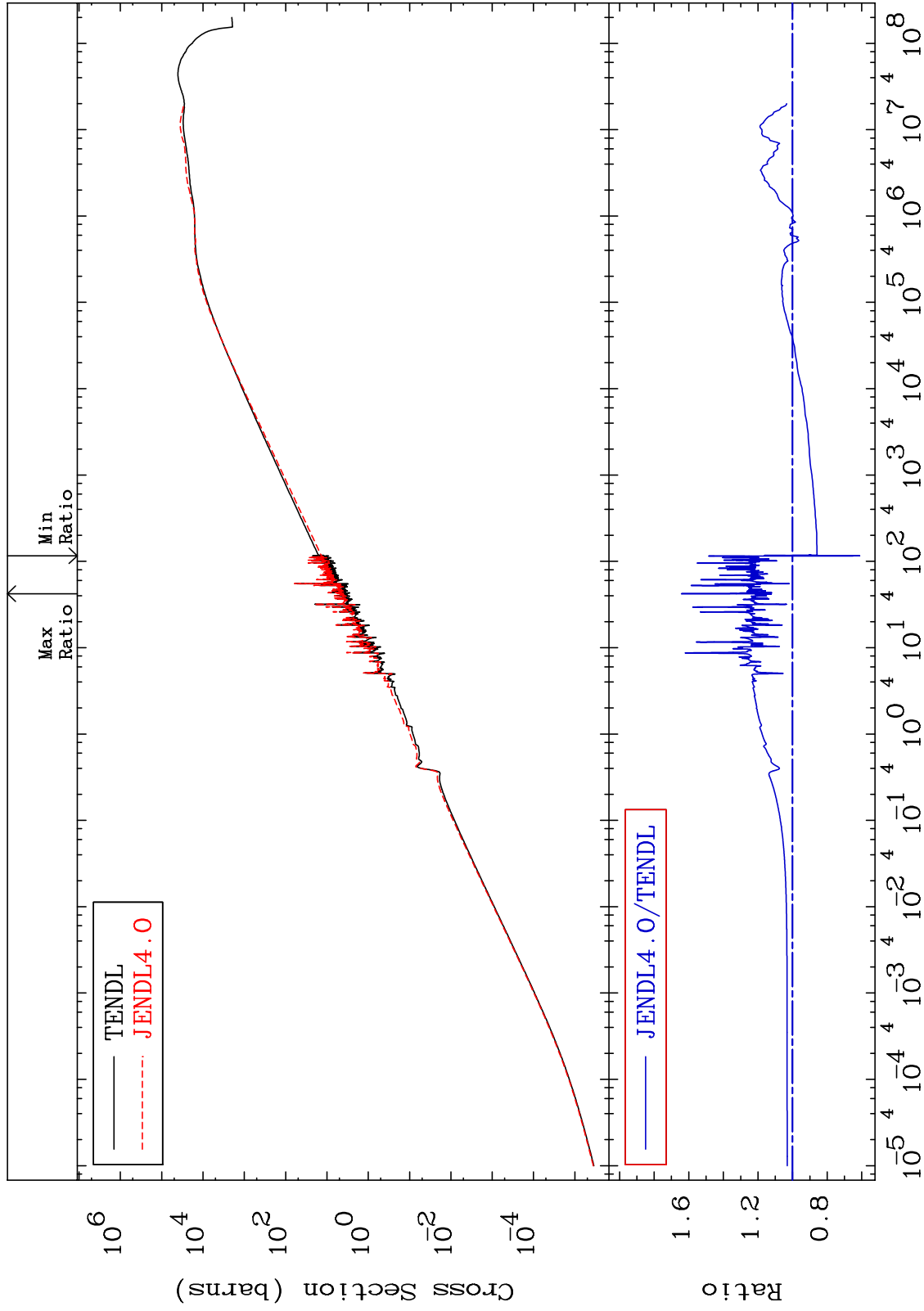
91-Pa-231  
-92.07 To 9999. %



MAT 9131

Kerma elastic  
Cross Section

91-Pa-231  
-38.85 To 64.34 %



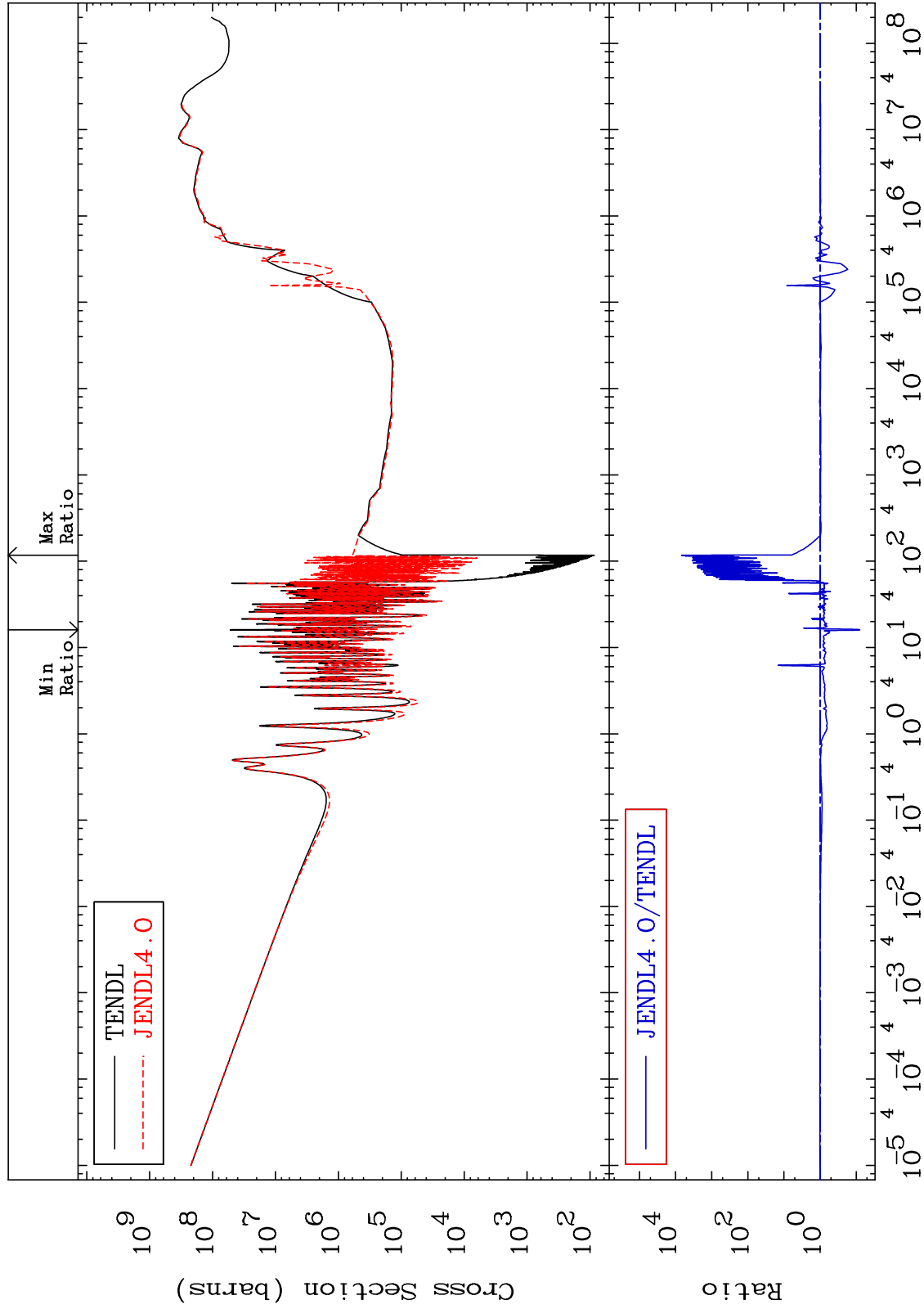
MAT 9131

Kerma non-elastic (all but mt2)

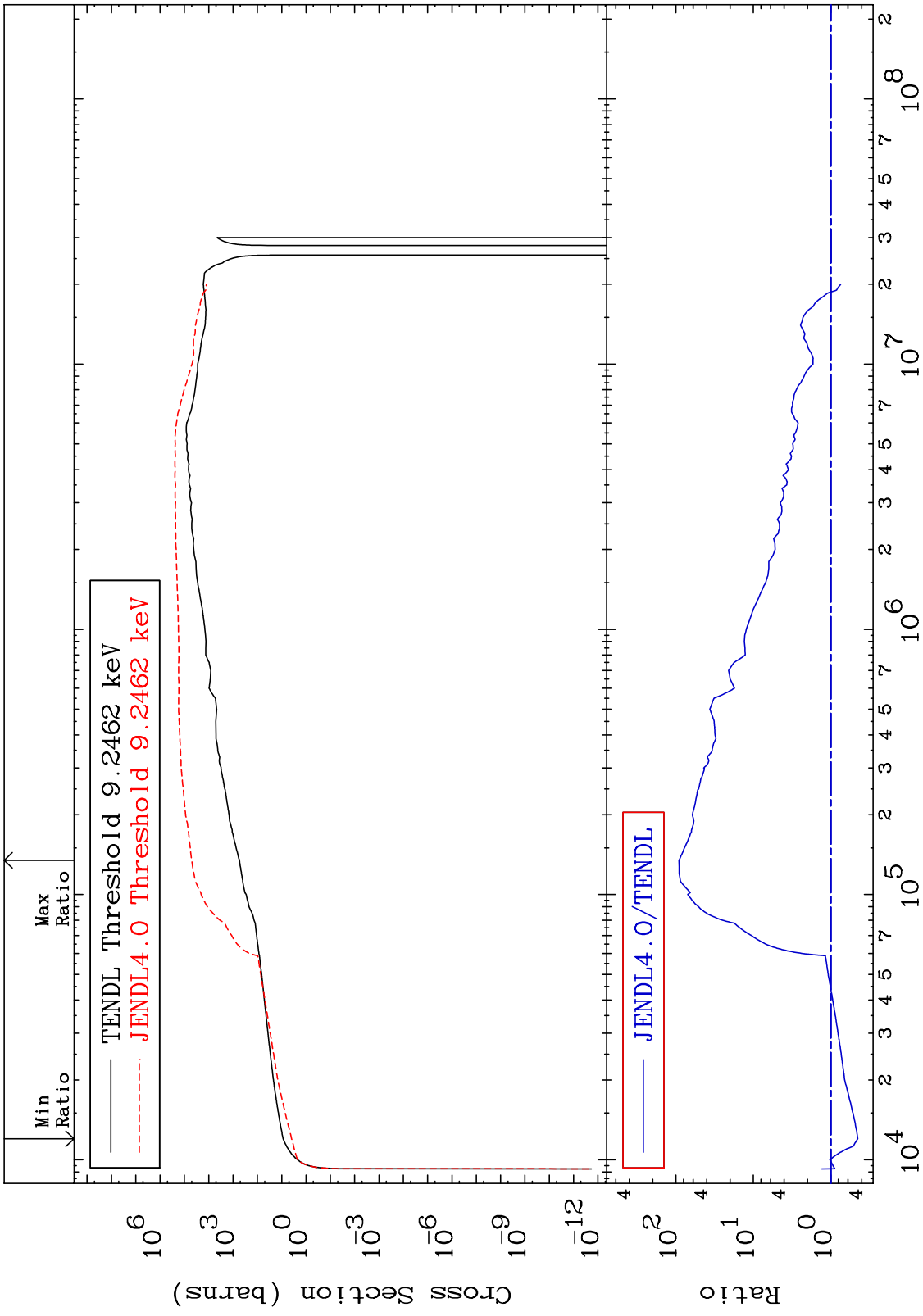
91-Pa-231

-92.07 To 9999. %

Cross Section



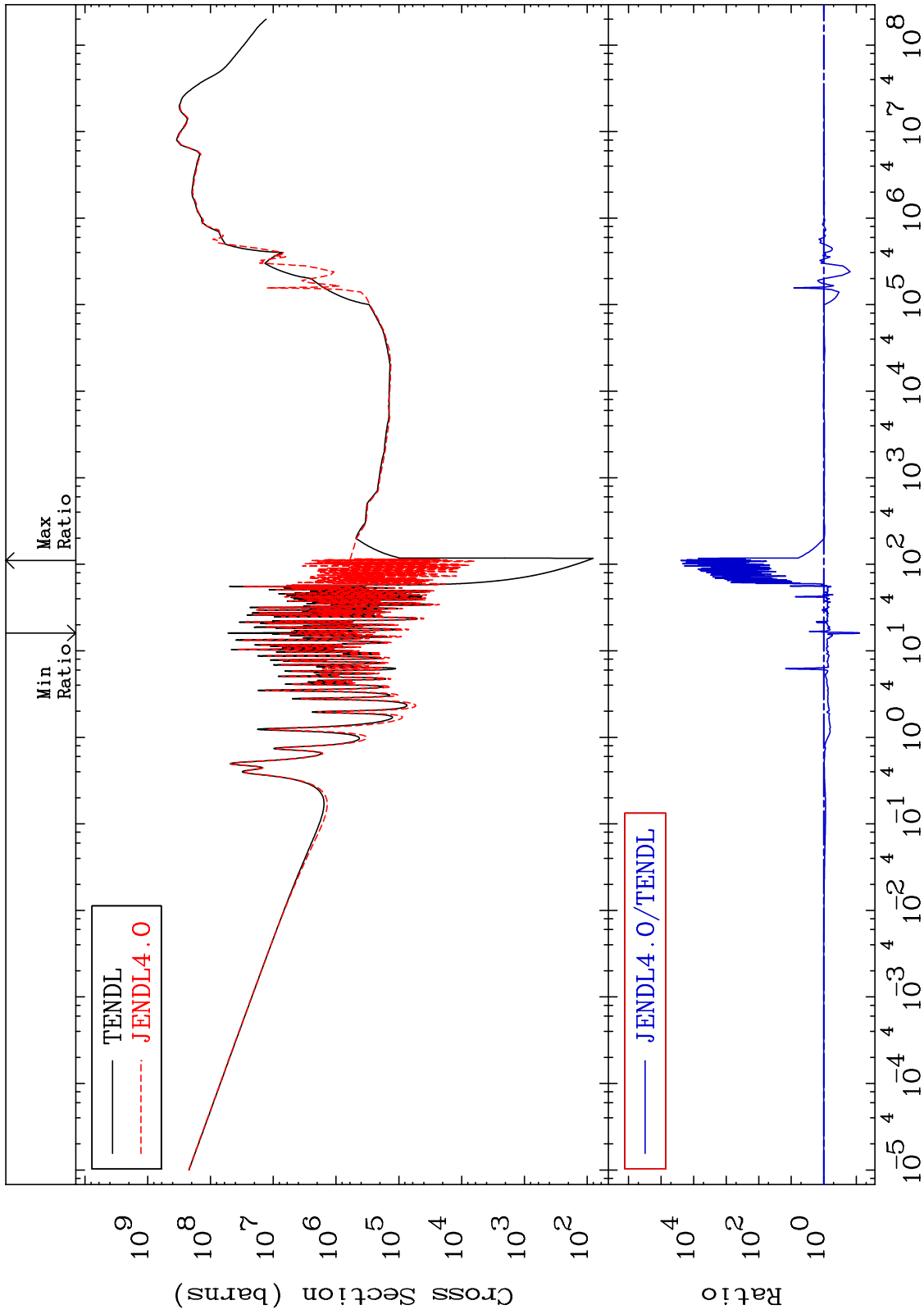
MAT 9131 Kerma inelastic (mt51-91) 91-Pa-231  
 Cross Section -55.24 To 9028. %



MAT 9131

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

91-Pa-231  
-92.07 To 9999. %

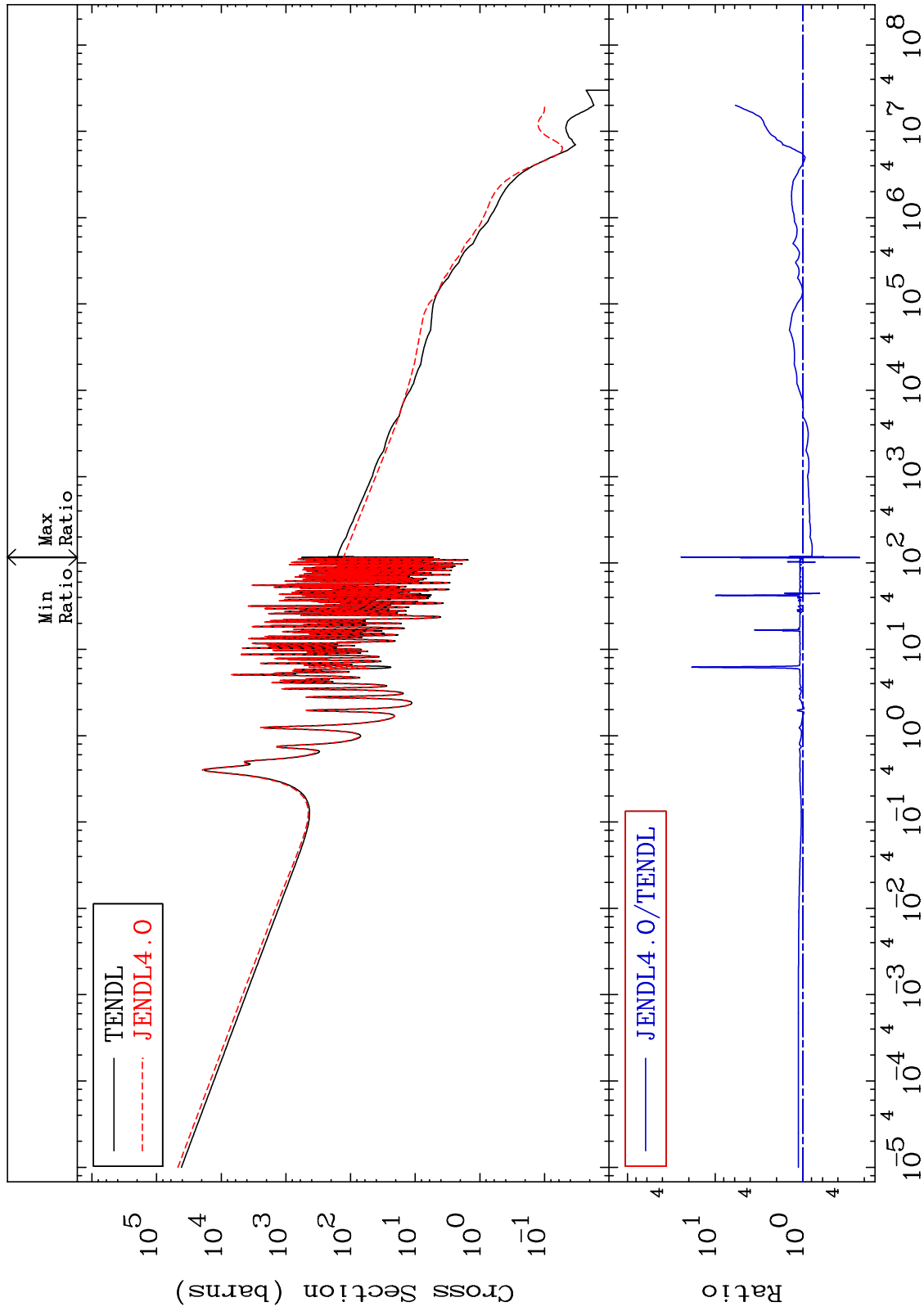




MAT 9131

Kerma capture (mt102)  
Cross Section

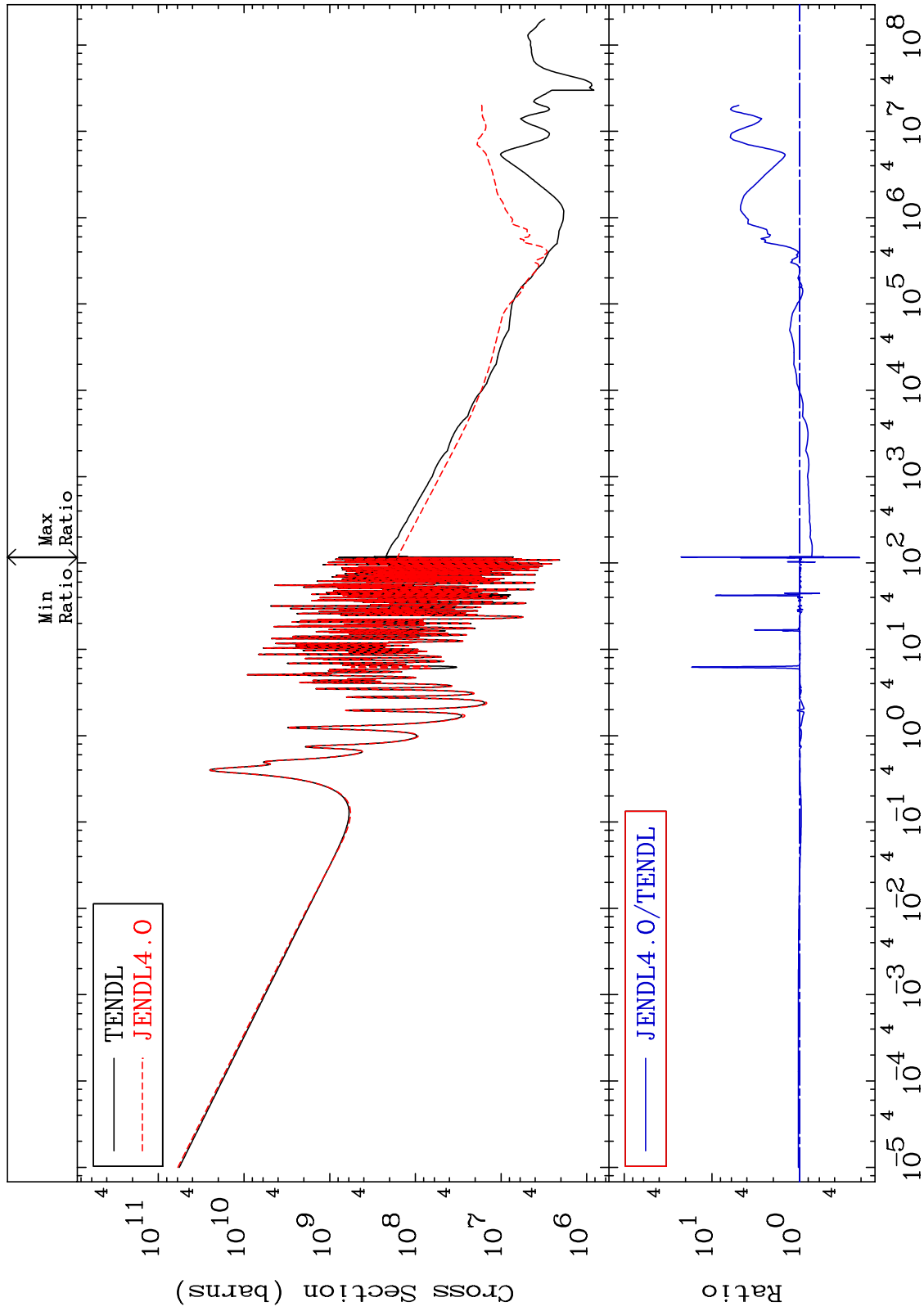
91-Pa-231  
-77.41 To 2342. %



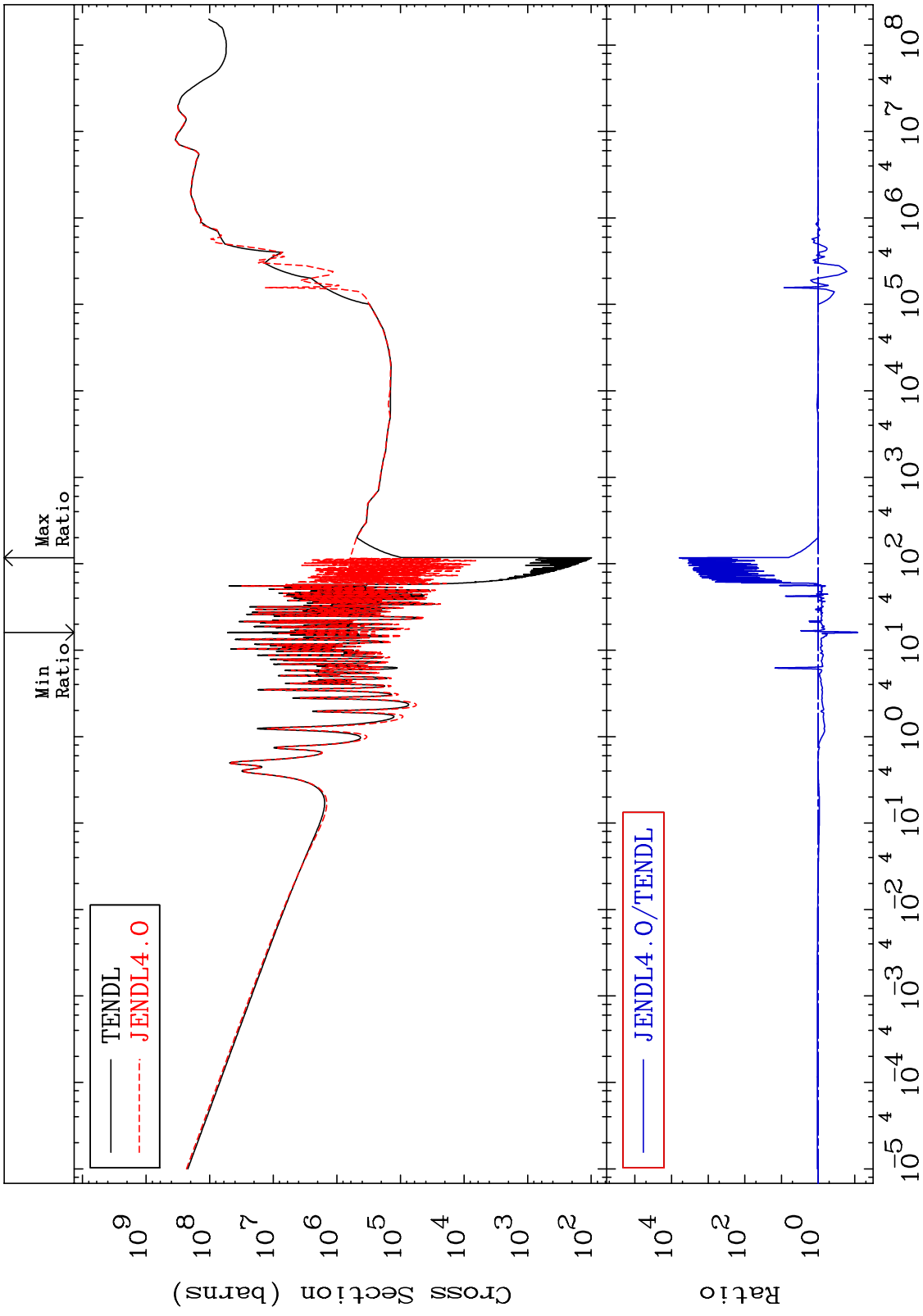
MAT 9131

Total photon (eV-barns)  
Cross Section

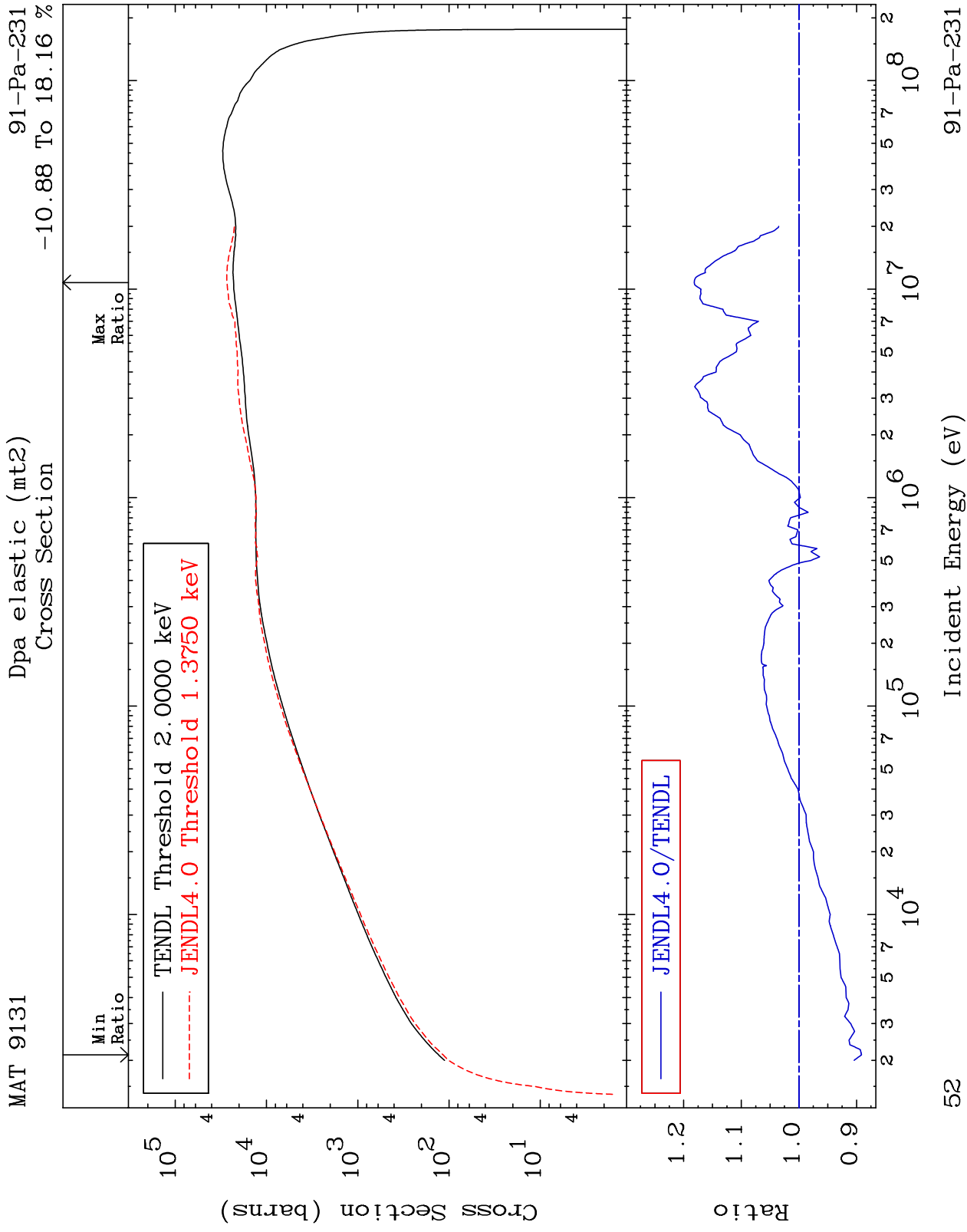
91-Pa-231  
-79.27 To 2141. %



MAT 9131 Total kinematic kerma (high limit) 91-Pa-231  
 Cross Section -91.73 To 9999. %



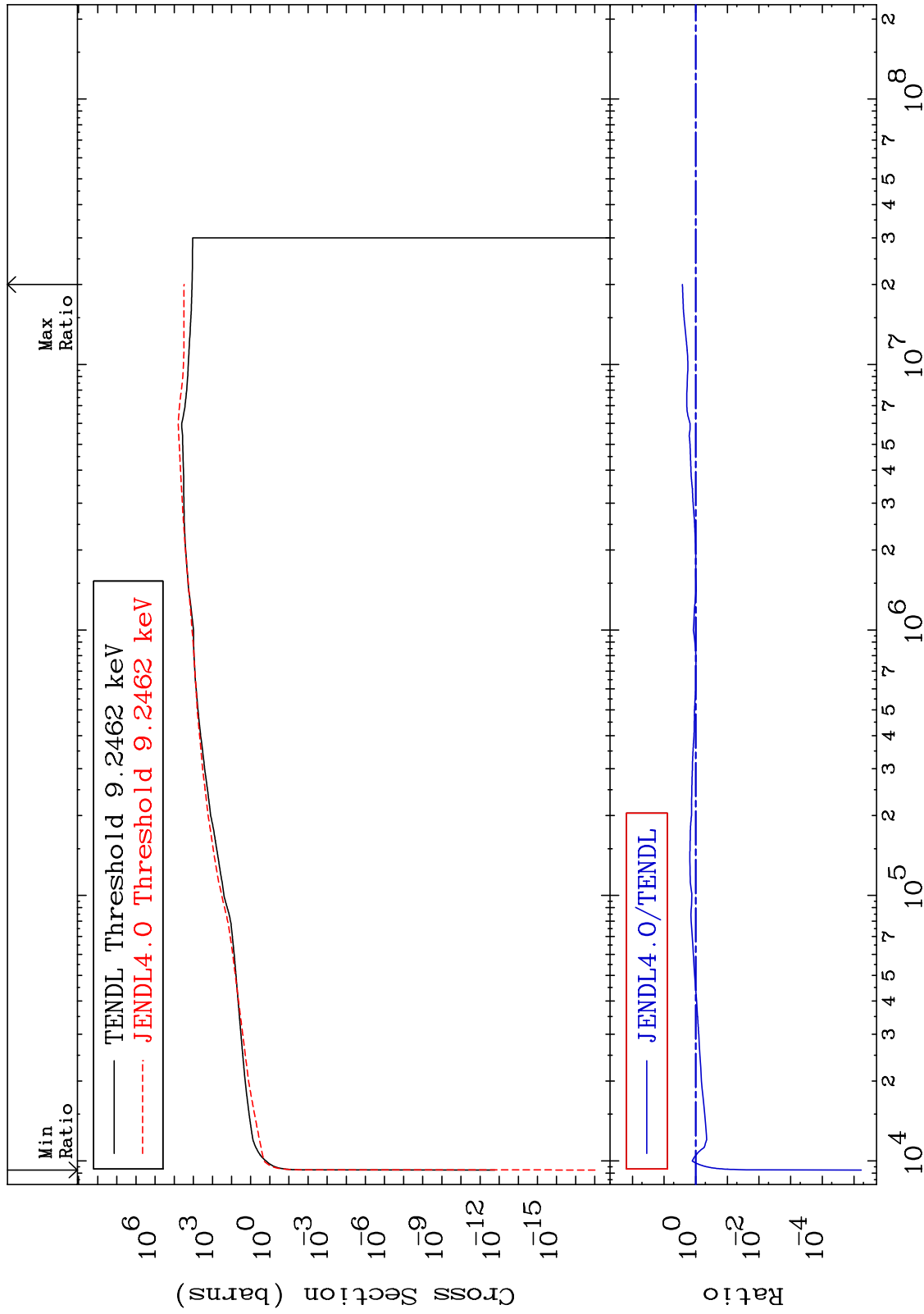




MAT 9131

Dpa inelastic (mt51-91)  
Cross Section

91-Pa-231  
-100.0 To 162.8 %



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Incident Energy (eV)

91-Pa-231

MAT 9131      Dpa disappearance (mt102 -120)      91-Pa-231  
 Cross Section      -100.0 To 3447. %

