

Program Complot  
(Version 2018-1)

by

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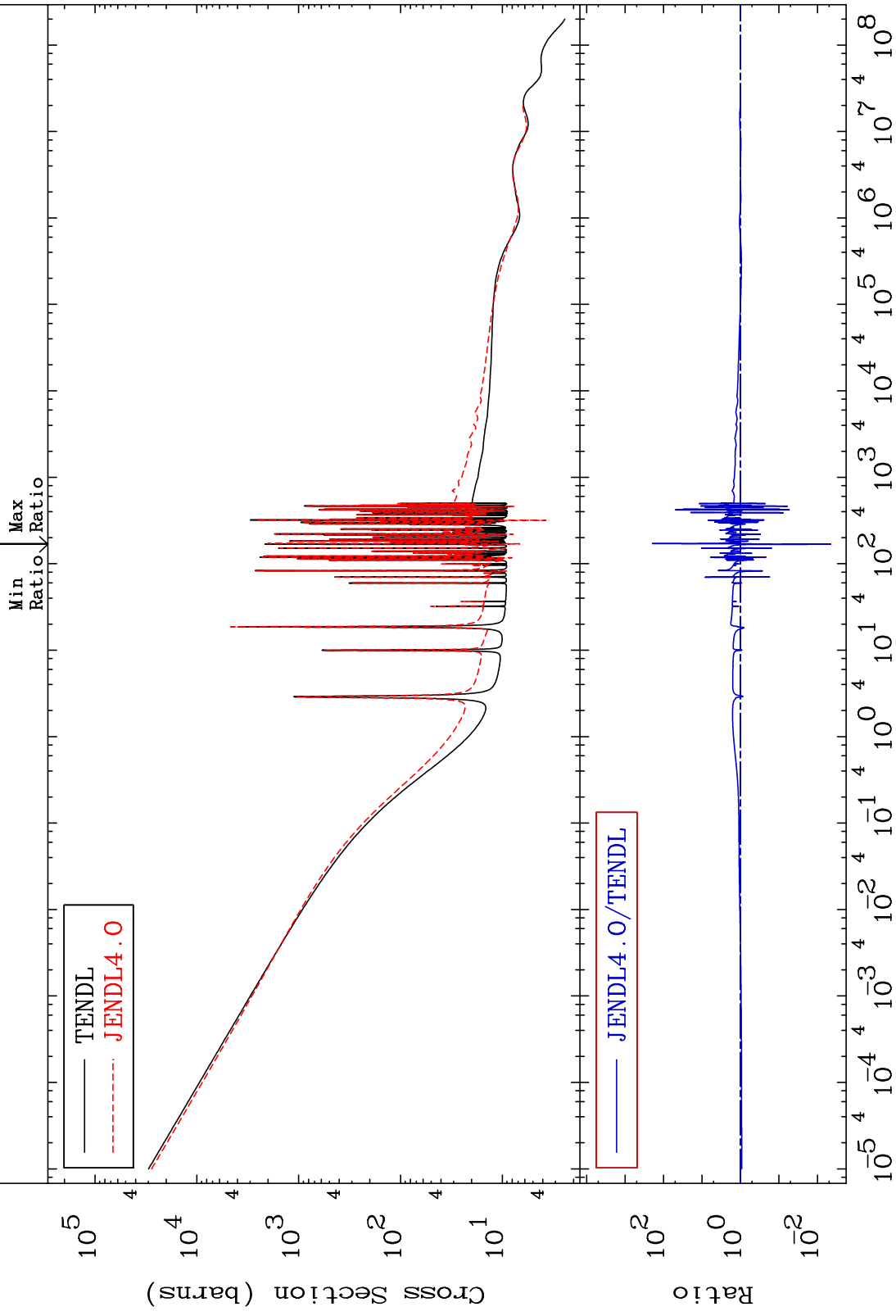
Tele: 925-443-1911

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 9434 94-Pu-238 -99.55 To 9999. %

Total Cross Section



94-Pu-238

Incident Energy (eV)

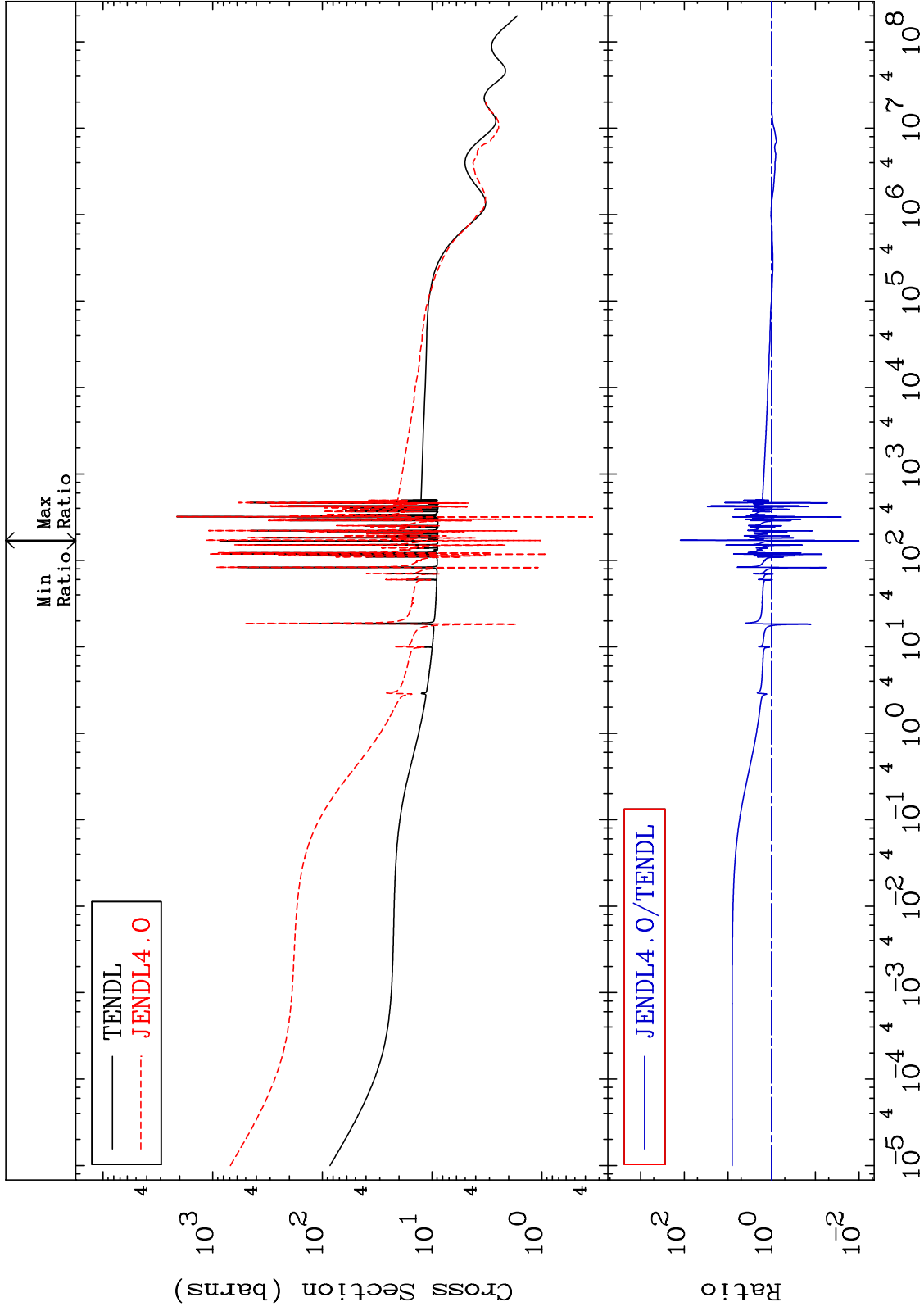
1

MAT 9434

Elastic  
Cross Section

94-Pu-238

-98.99 To 9999. %



MAT 9434

Inelastic  
Cross Section

94-Pu-238  
-14.83 To 191.3 %

Min  
Ratio

Max  
Ratio

— TENDL Threshold 44.263 keV  
- - - JENDL4.0 Threshold 44.263 keV

— JENDL4.0/TENDL

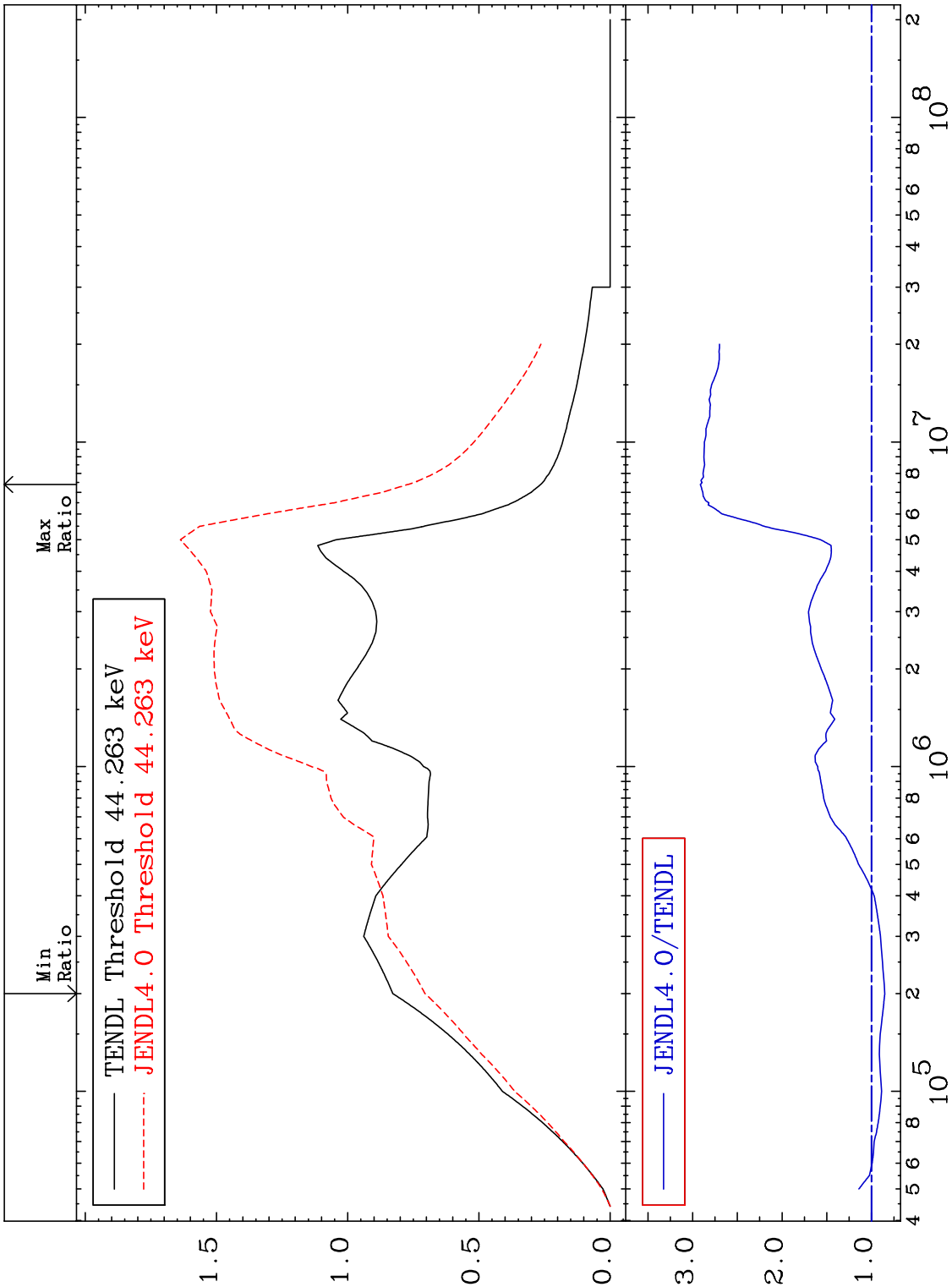
Cross Section (barns)

Ratio

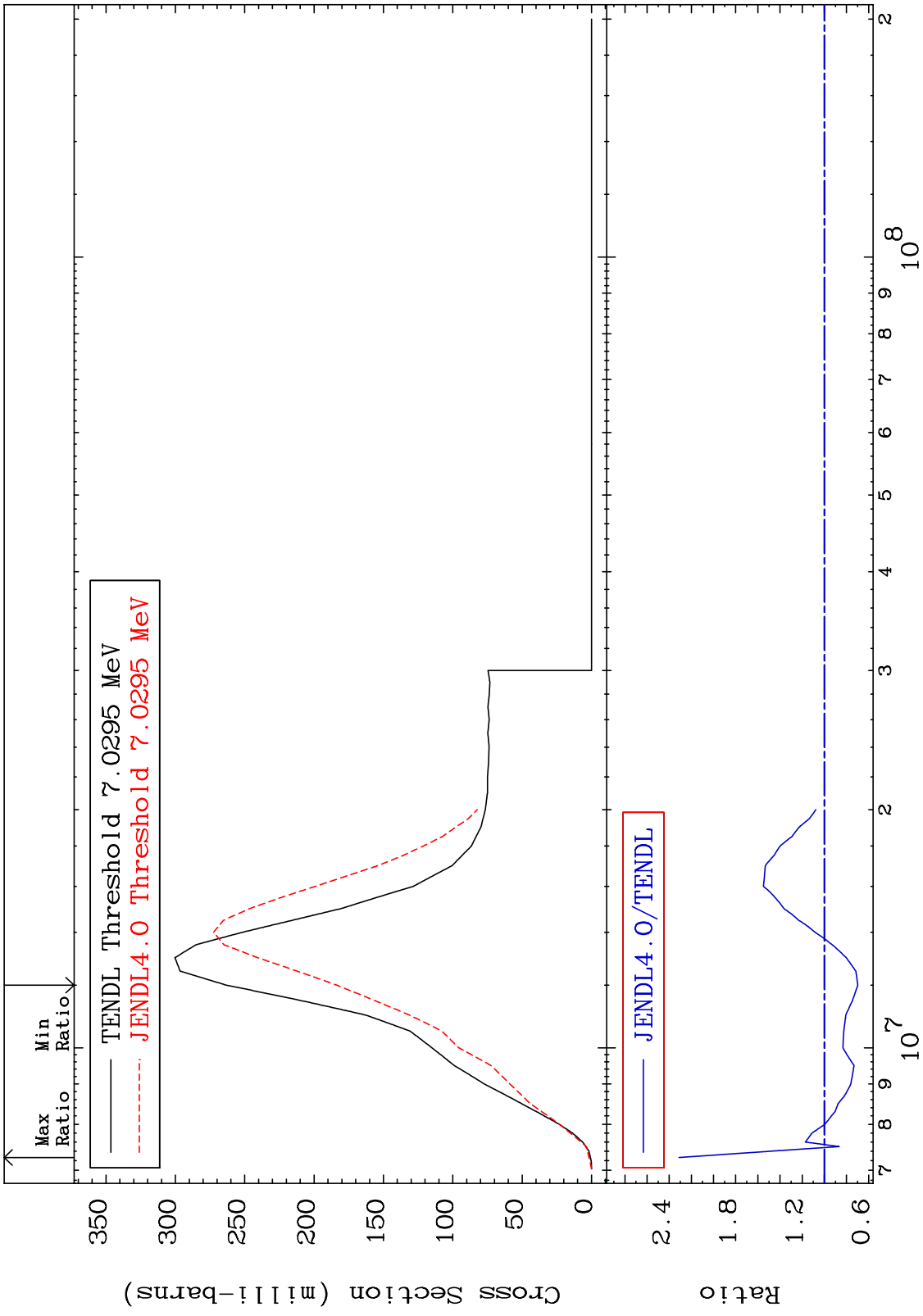
3

Incident Energy (eV)

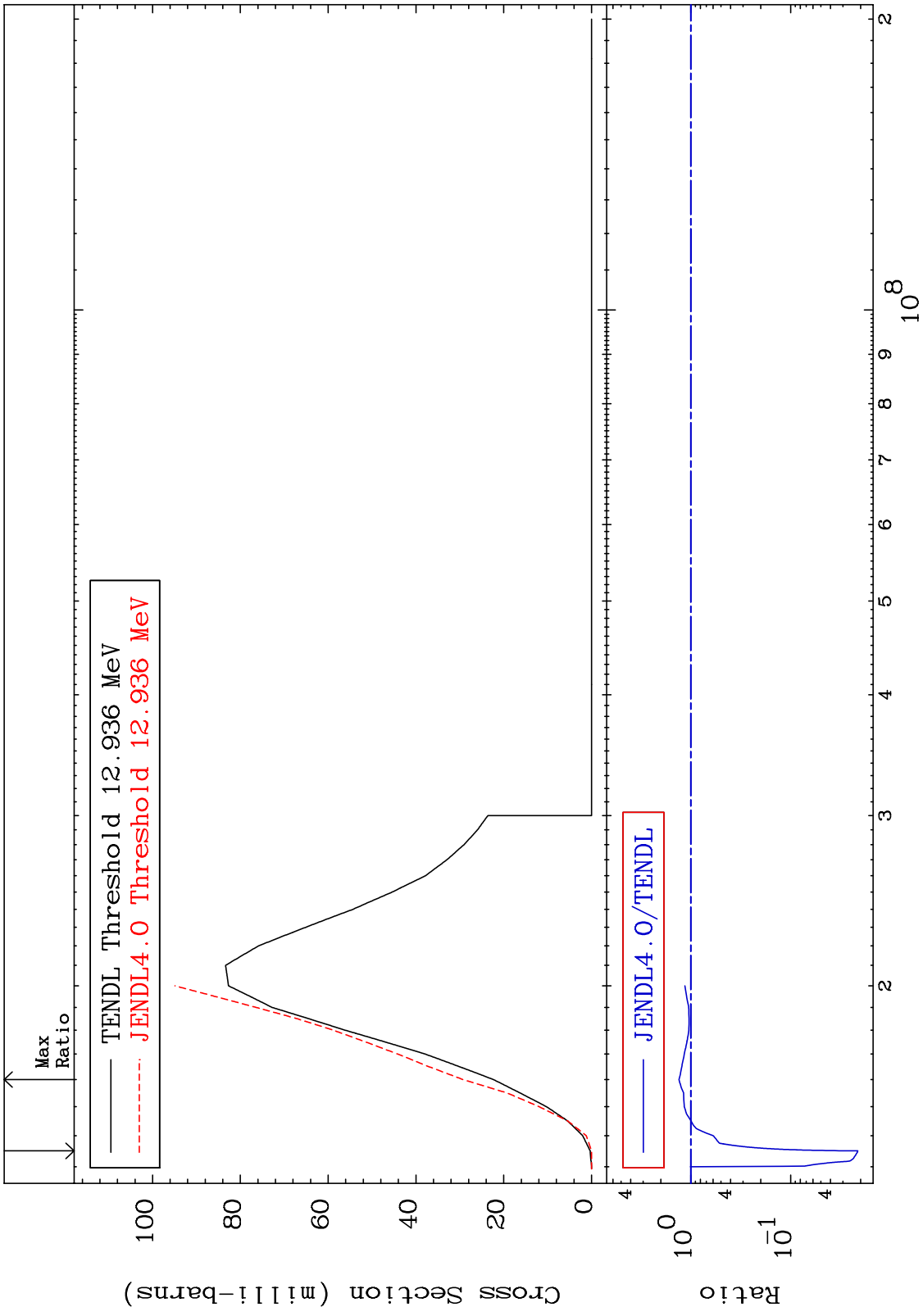
94-Pu-238



MAT 9434 (n,2n) Cross Section 94-Pu-238 -30.26 To 131.1 %



MAT 9434 (n,3n) Cross Section 94-Pu-238 -97.87 To 31.14 %



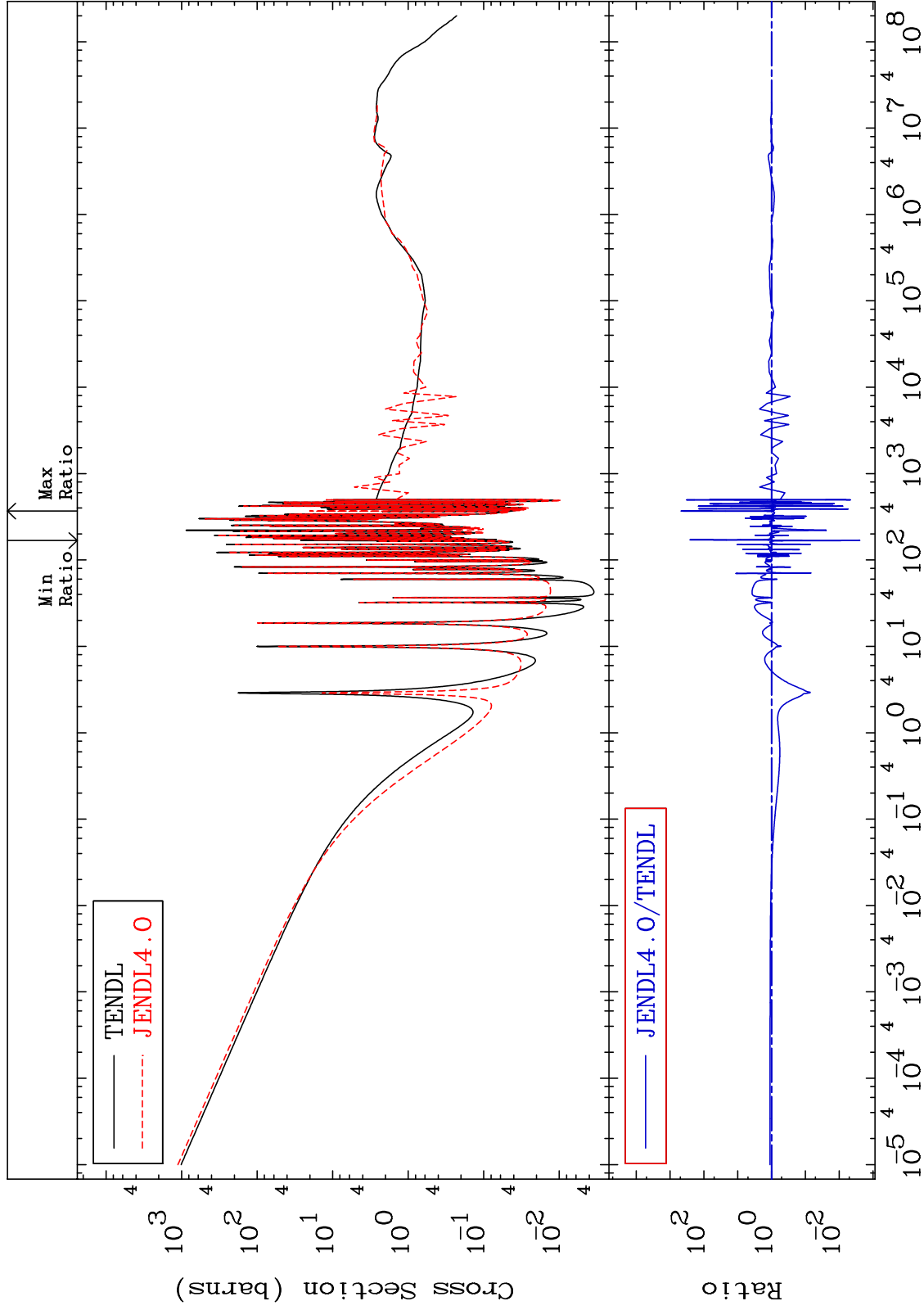
MAT 9434

Fission

94-Pu-238

Cross Section

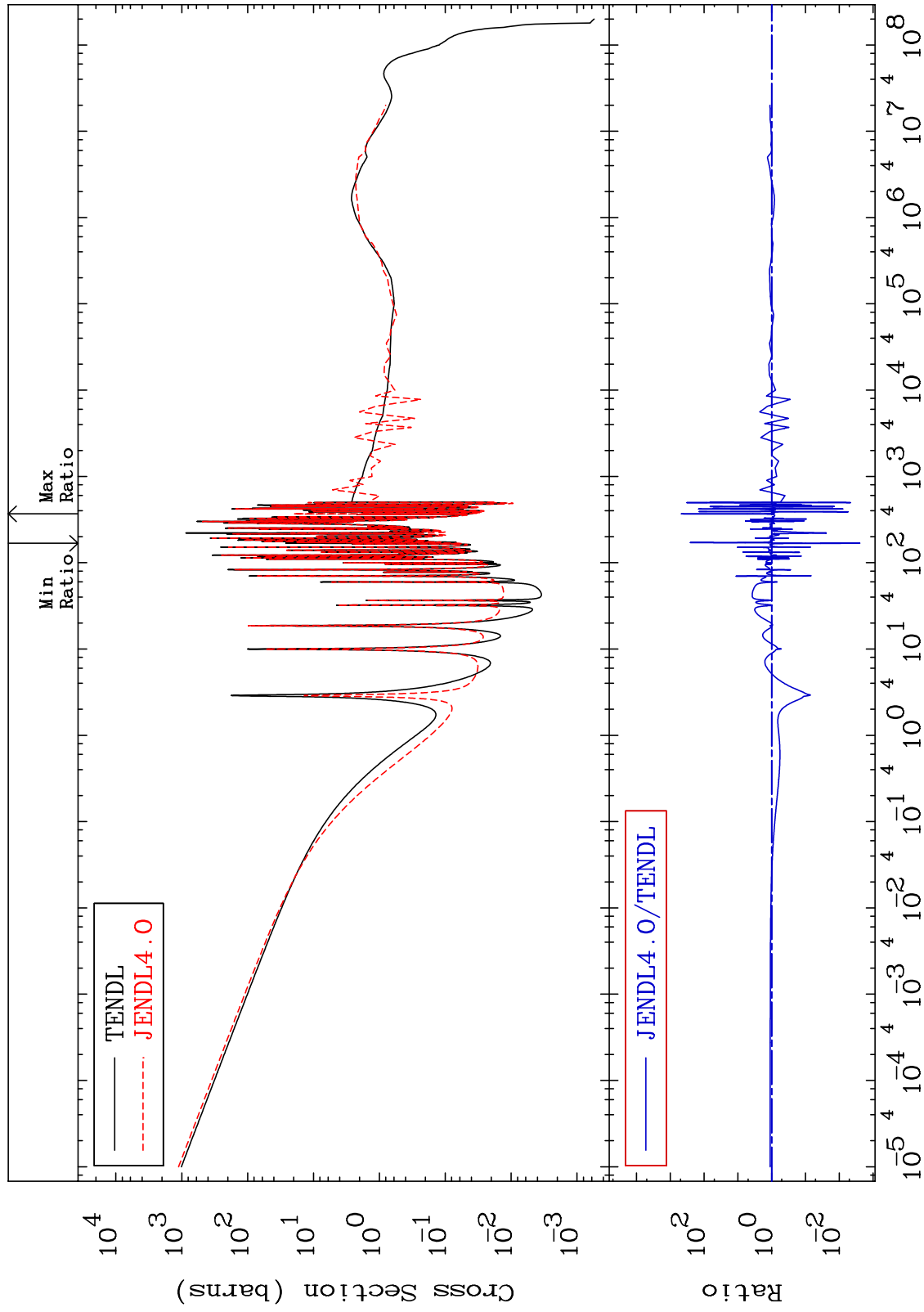
-99.75 To 9999. %



MAT 9434

(n,f) First Chance  
Cross Section

94-Pu-238  
-99.75 To 9999. %



7

Incident Energy (eV)

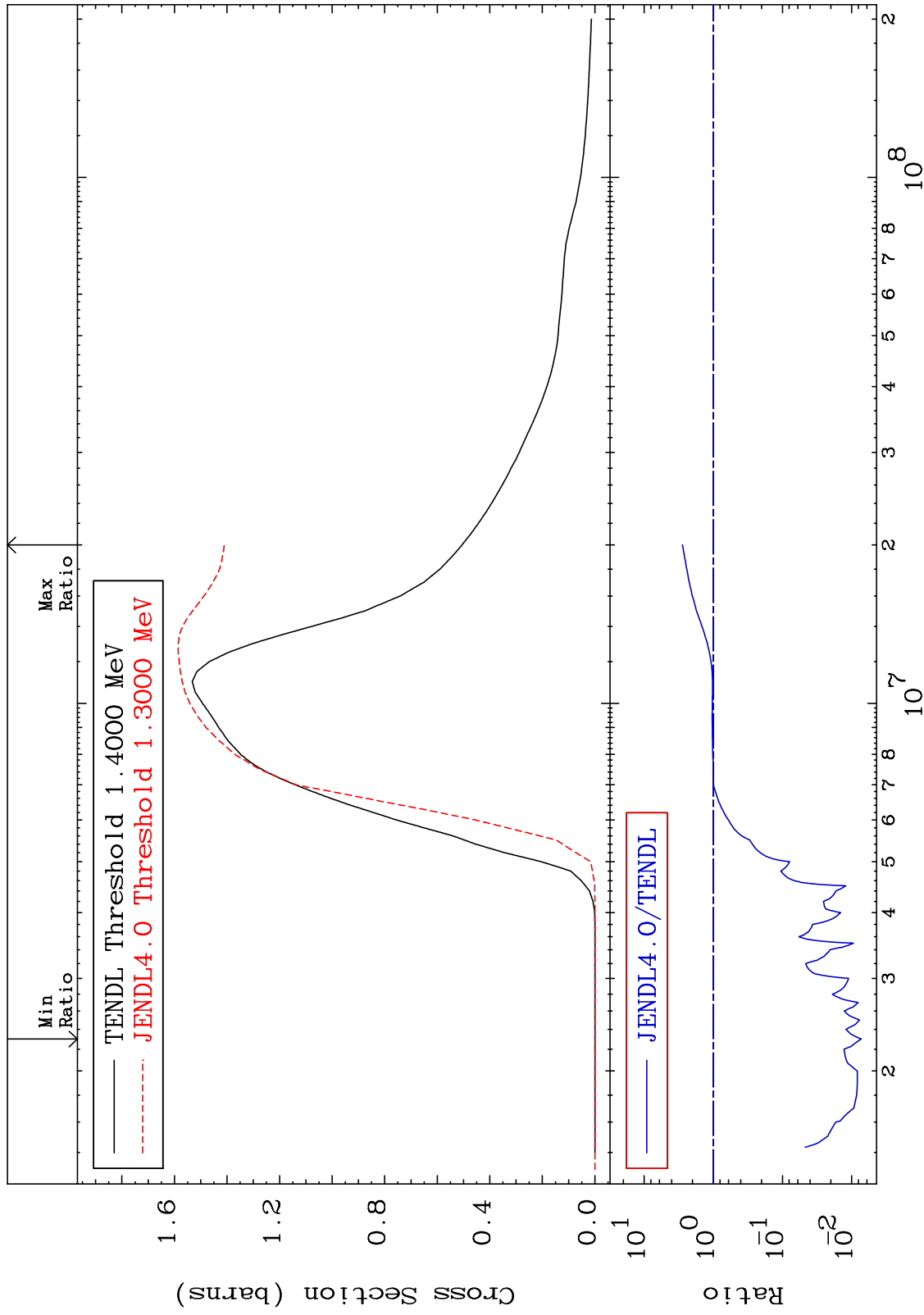
94-Pu-238



MAT 9434

(n,nf) Second Chance  
Cross Section

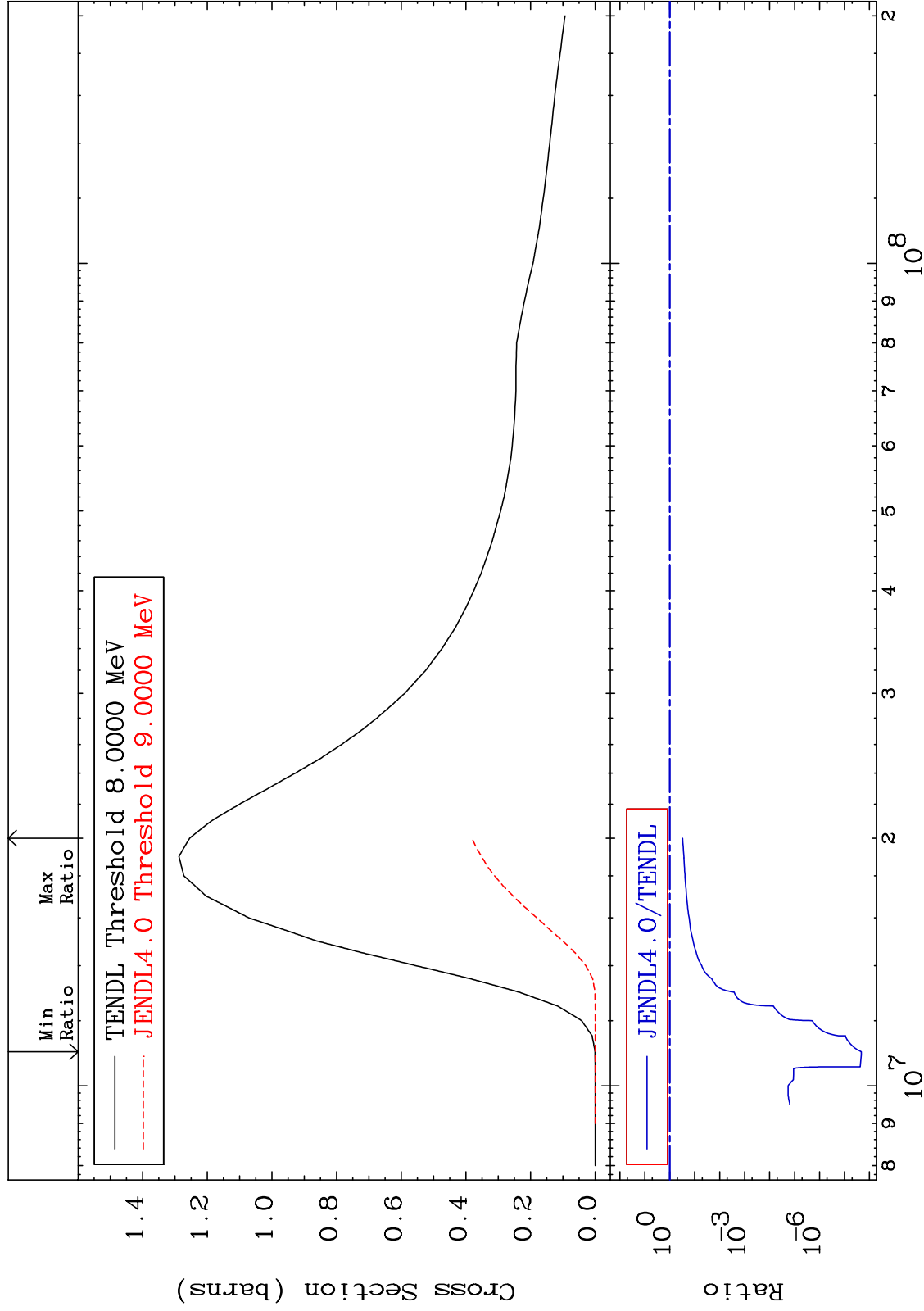
94-Pu-238  
-99.28 To 178.9 %



MAT 9434

(n,2nf) Third Chance  
Cross Section

94-Pu-238  
-100.0 To -69.63%



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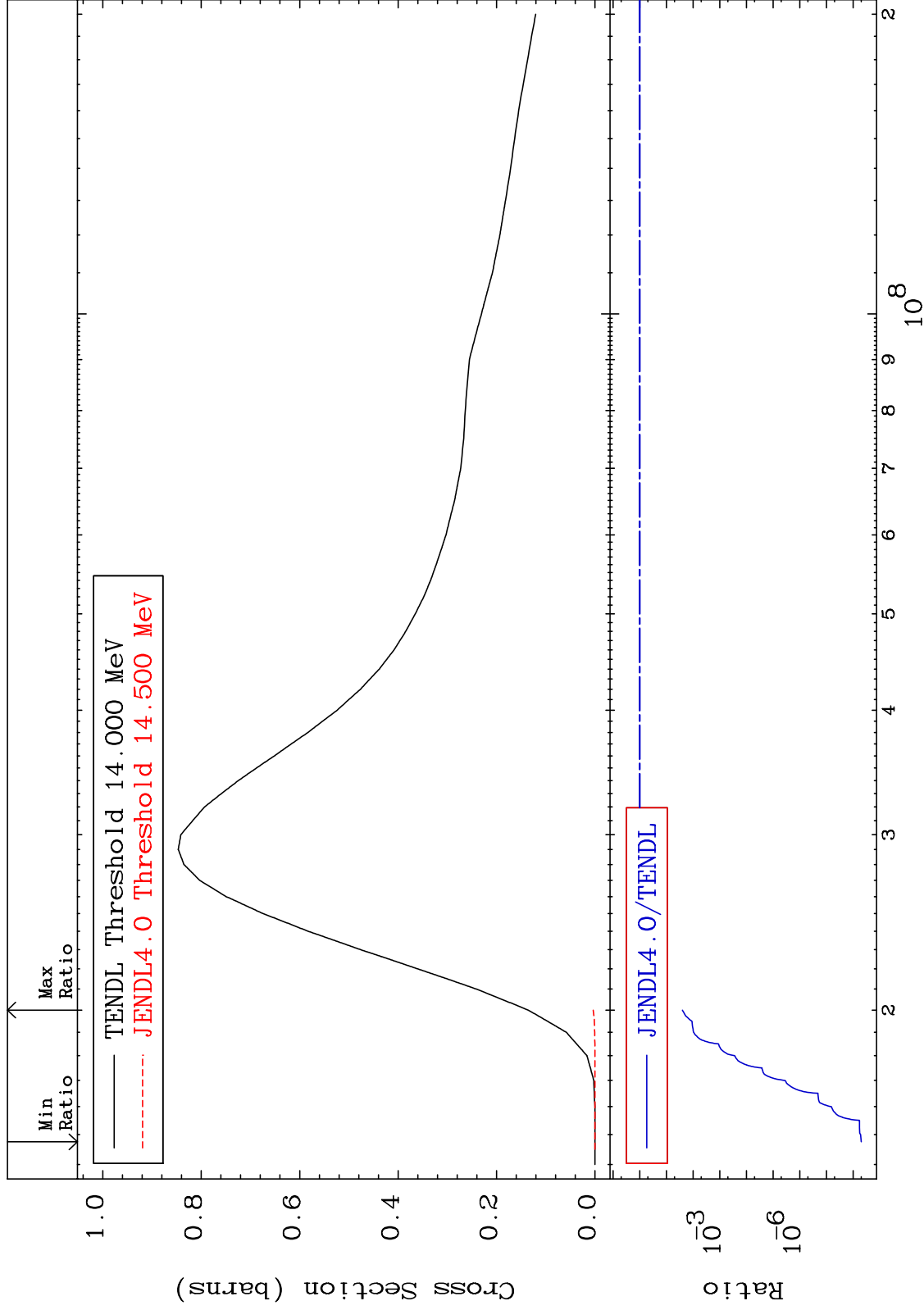
Incident Energy (eV)

94-Pu-238

MAT 9434

(n,3nf) Fourth Chance  
Cross Section

94-Pu-238  
-100.0 To -97.49%

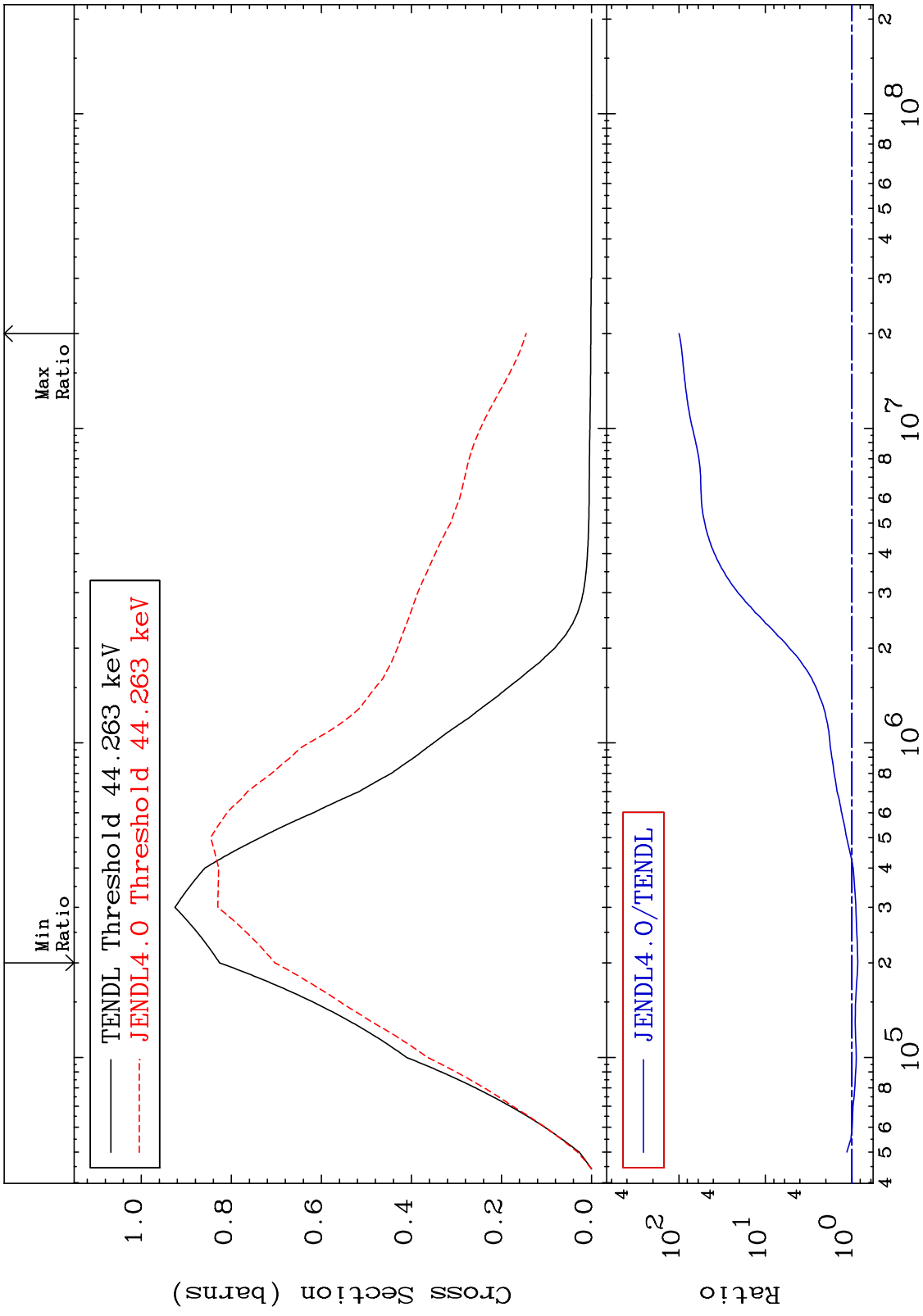


10

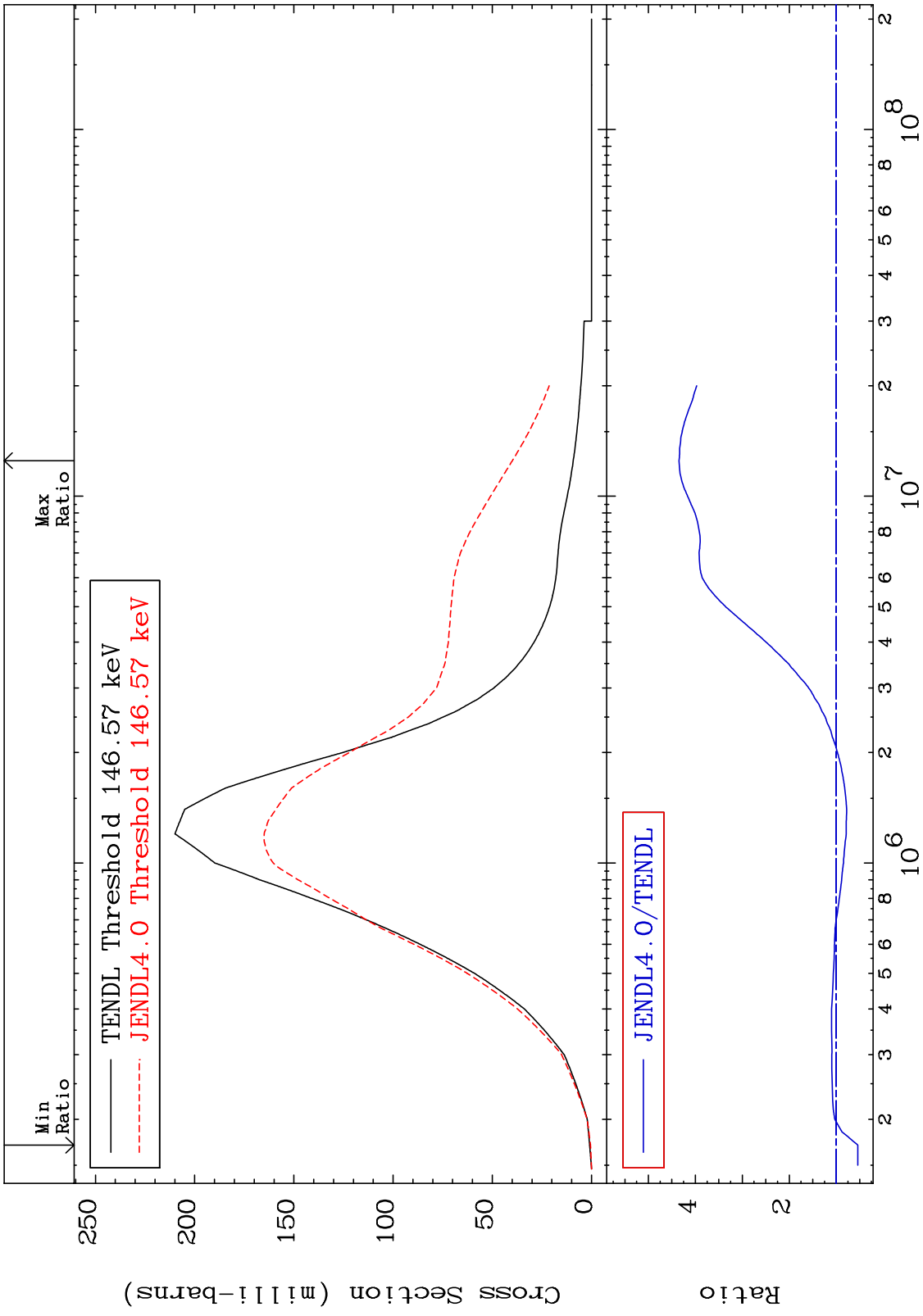
Incident Energy (eV)

94-Pu-238

MAT 9434 MT= 51 (n,n') Level Cross Section 94-Pu-238  
 -14.88 To 9880. %



MAT 9434 MT= 52 (n,n') Level Cross Section -46.02 To 334.7 % 94-Pu-238

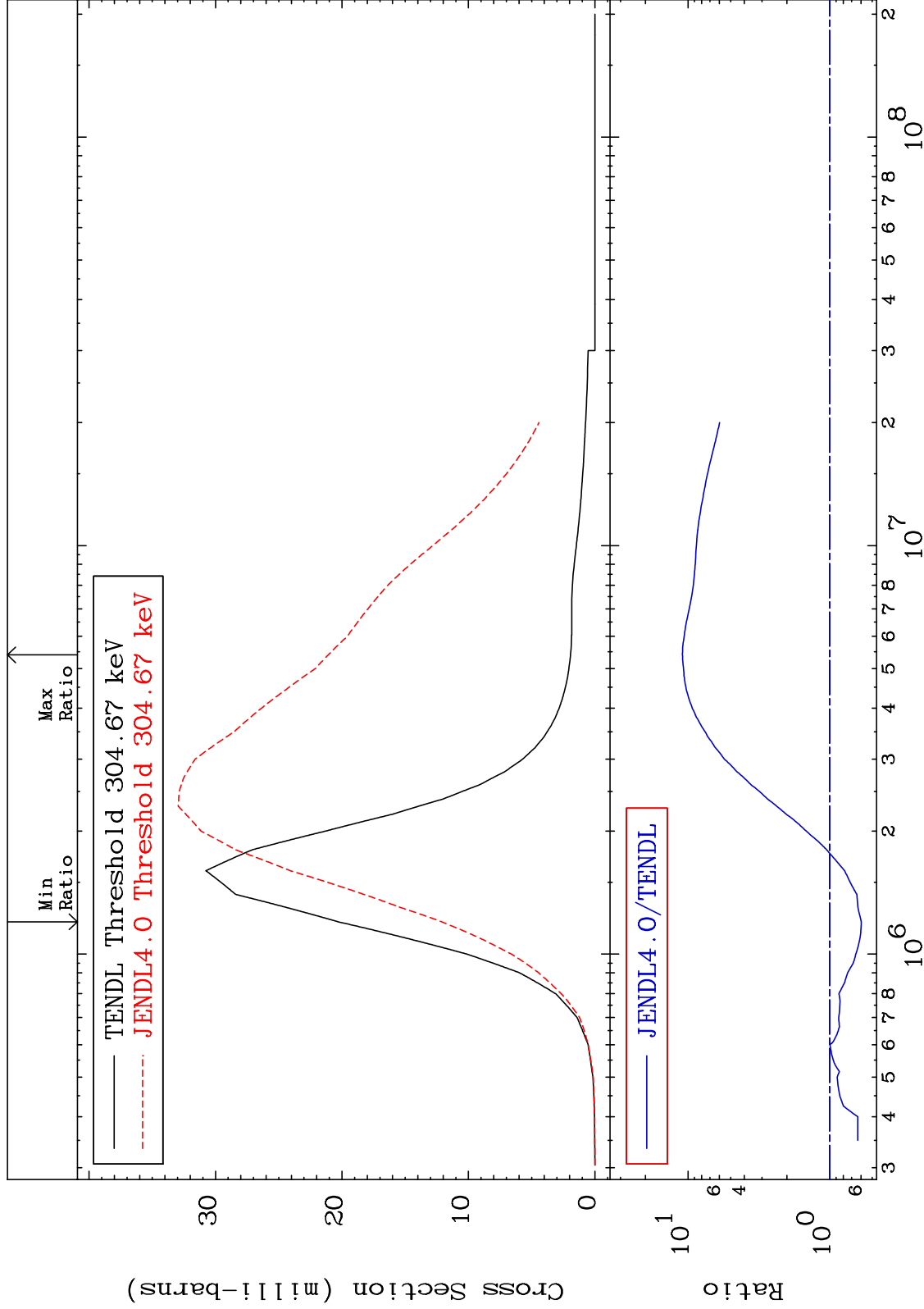


12 94-Pu-238

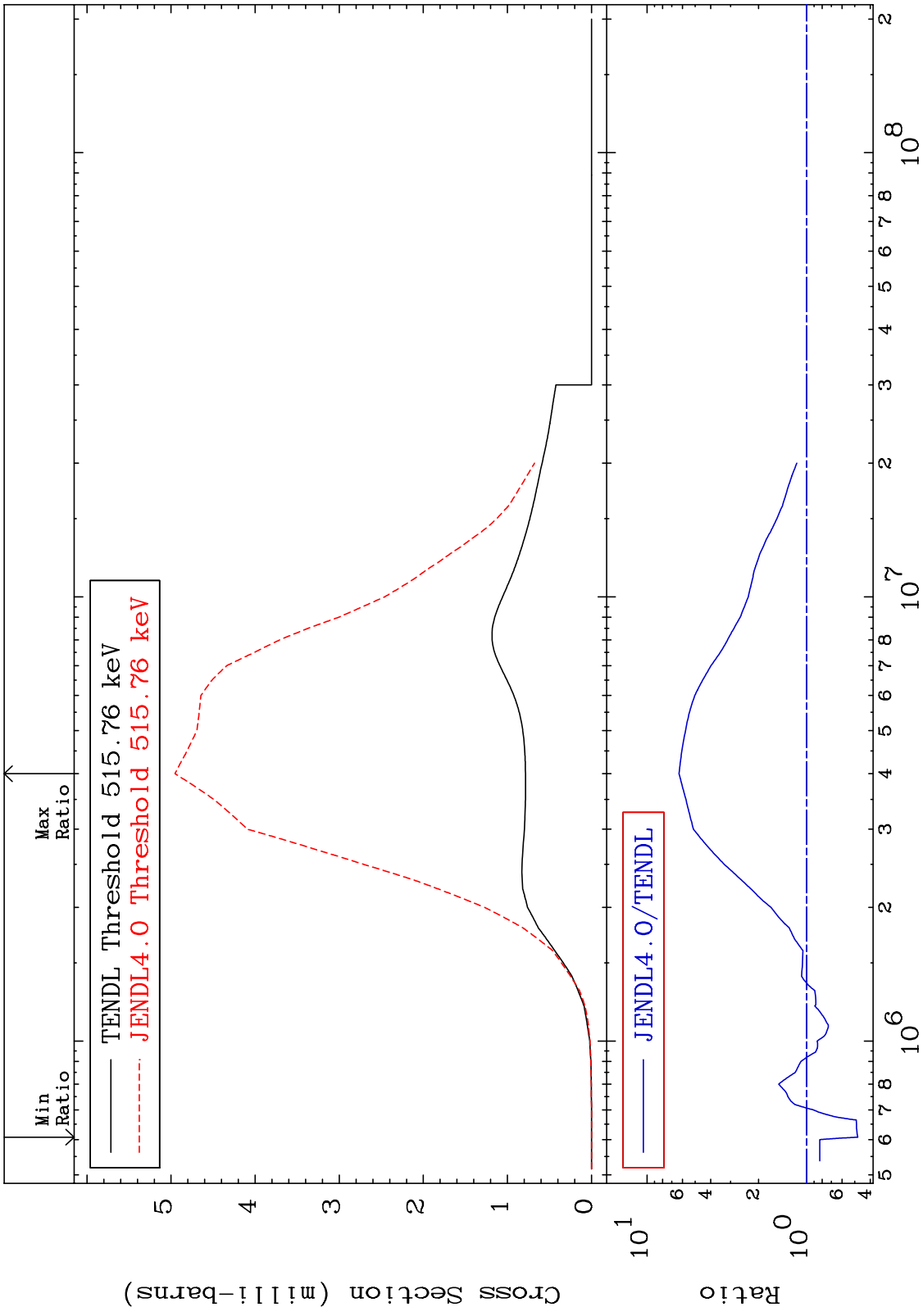
MAT 9434

MT= 53 (n,n') Level  
Cross Section

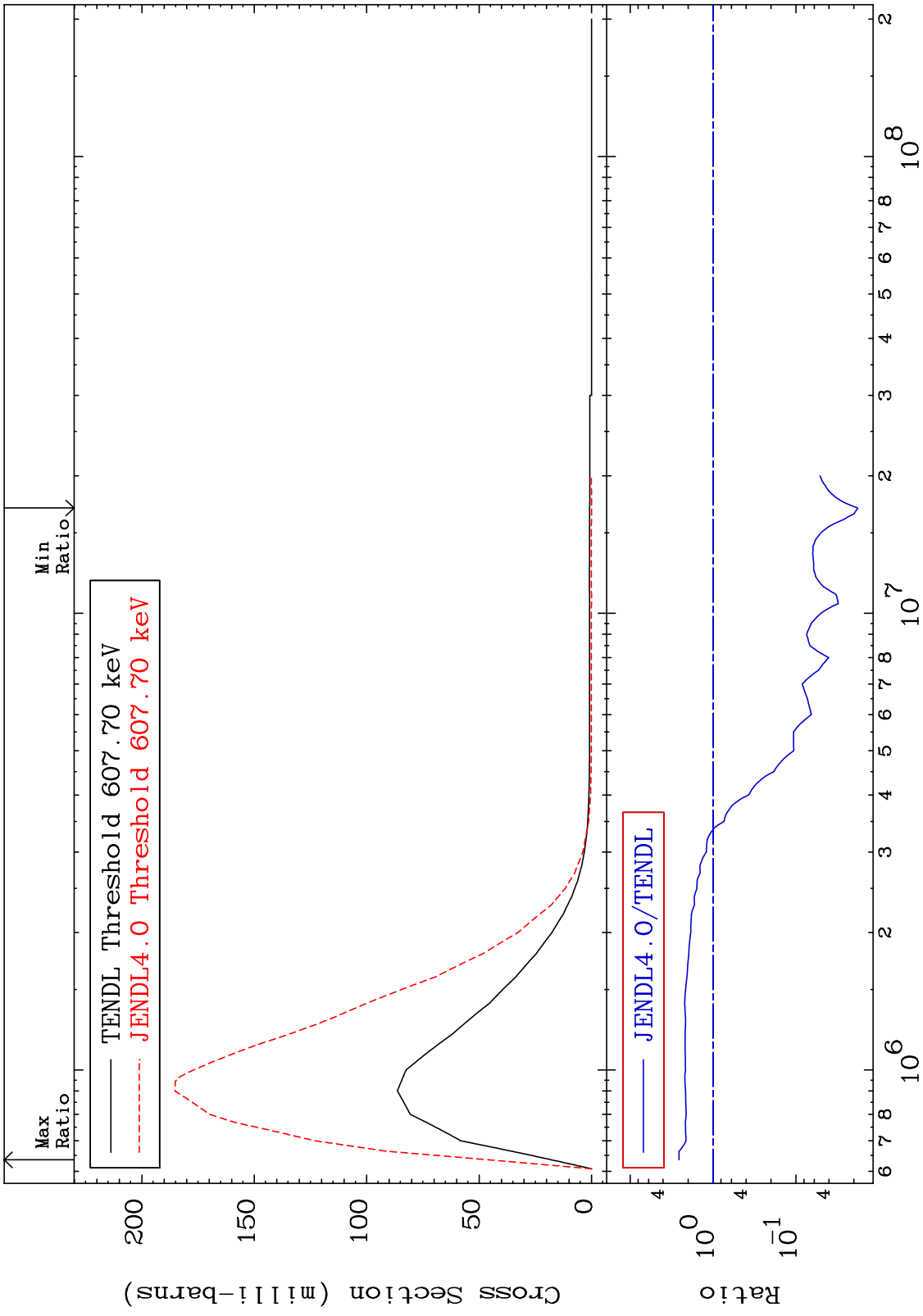
94-Pu-238  
-40.25 To 994.4 %



MAT 9434      MT= 54 (n,n') Level      94-Pu-238  
 Cross Section      -52.21 To 530.9 %

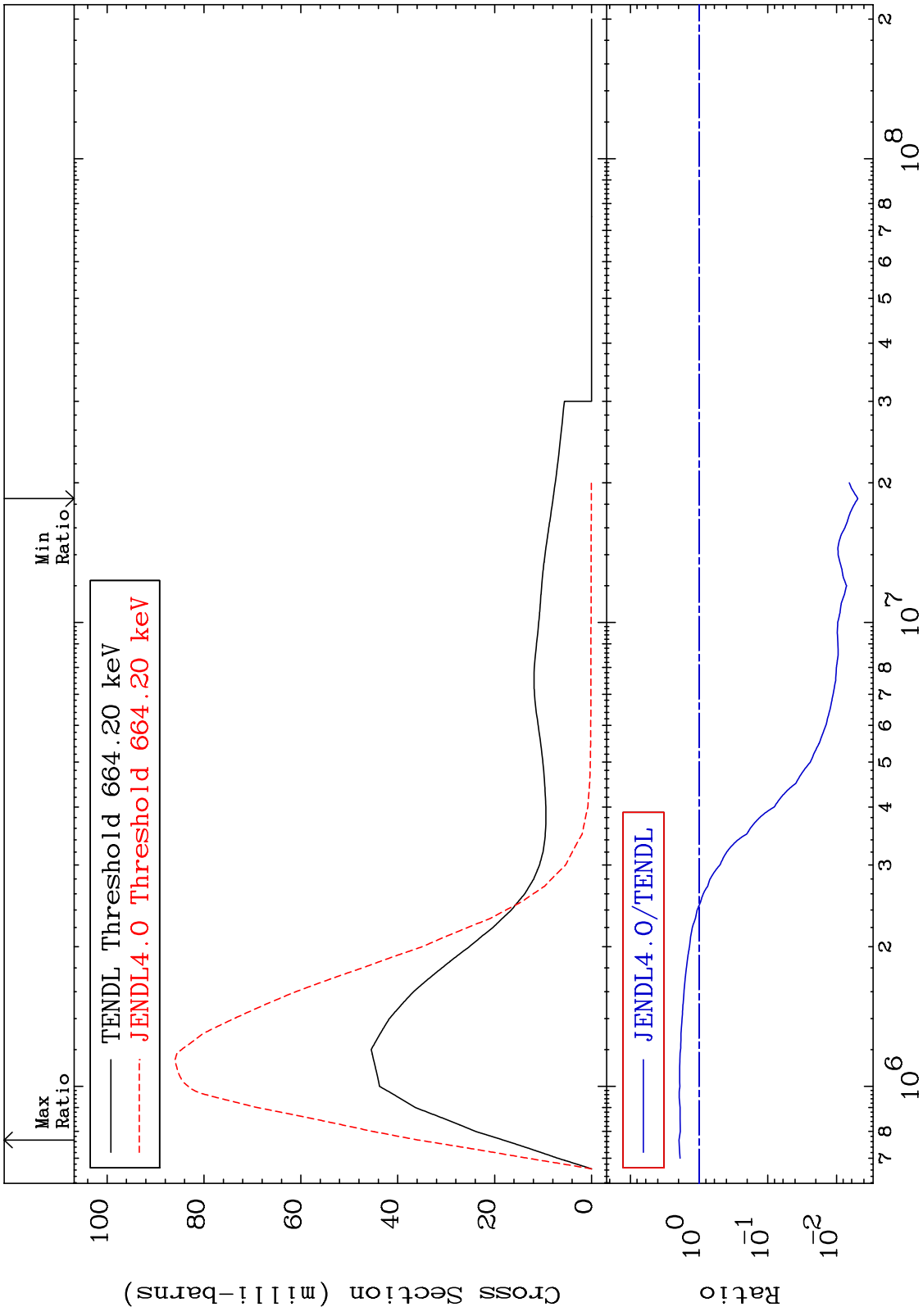


MAT 9434      MT= 55 (n,n') Level Cross Section      94-Pu-238  
 -98.21 To 156.9 %



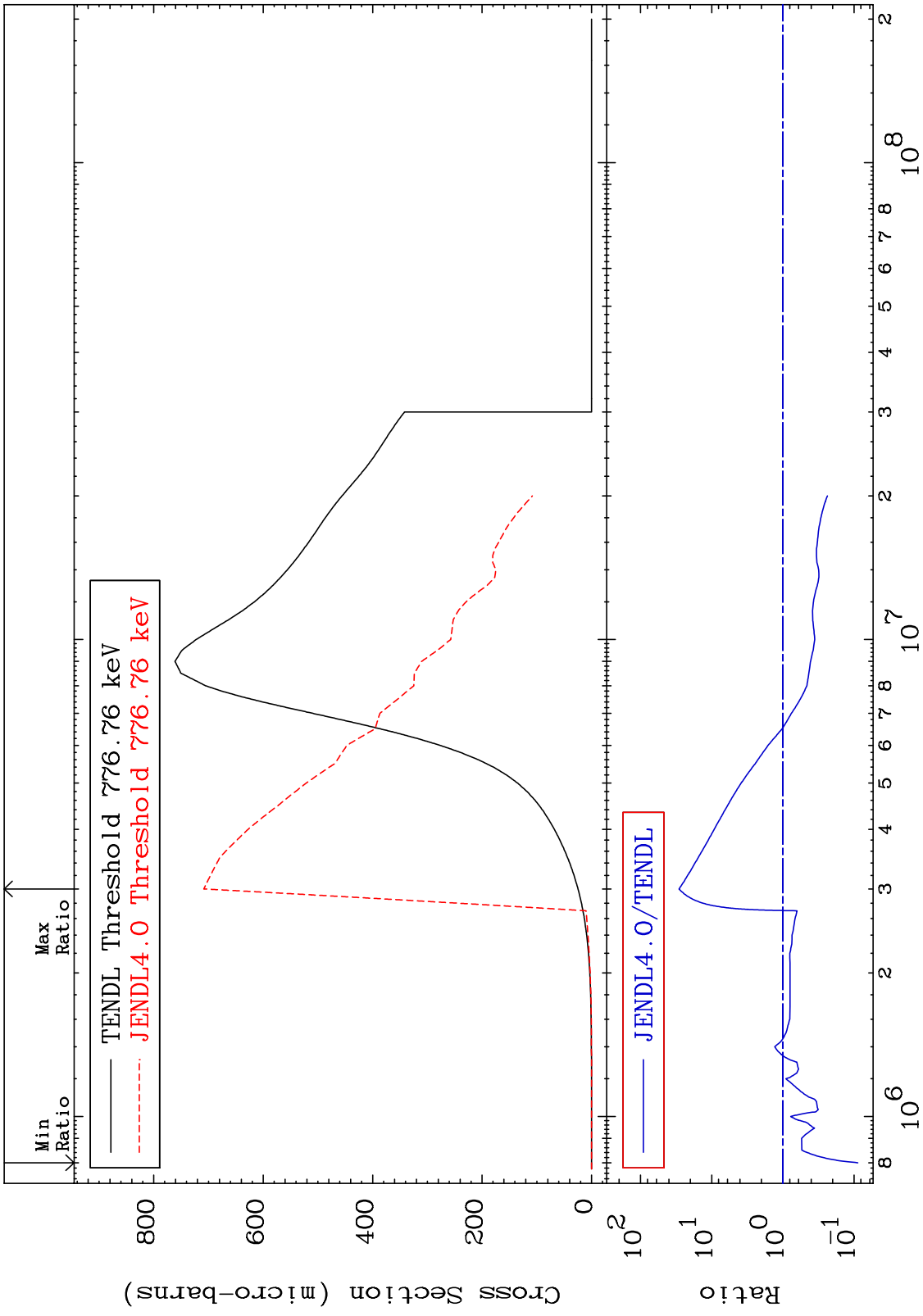


MAT 9434 MT= 56 (n,n') Level Cross Section 94-Pu-238 -99.51 To 96.08 %

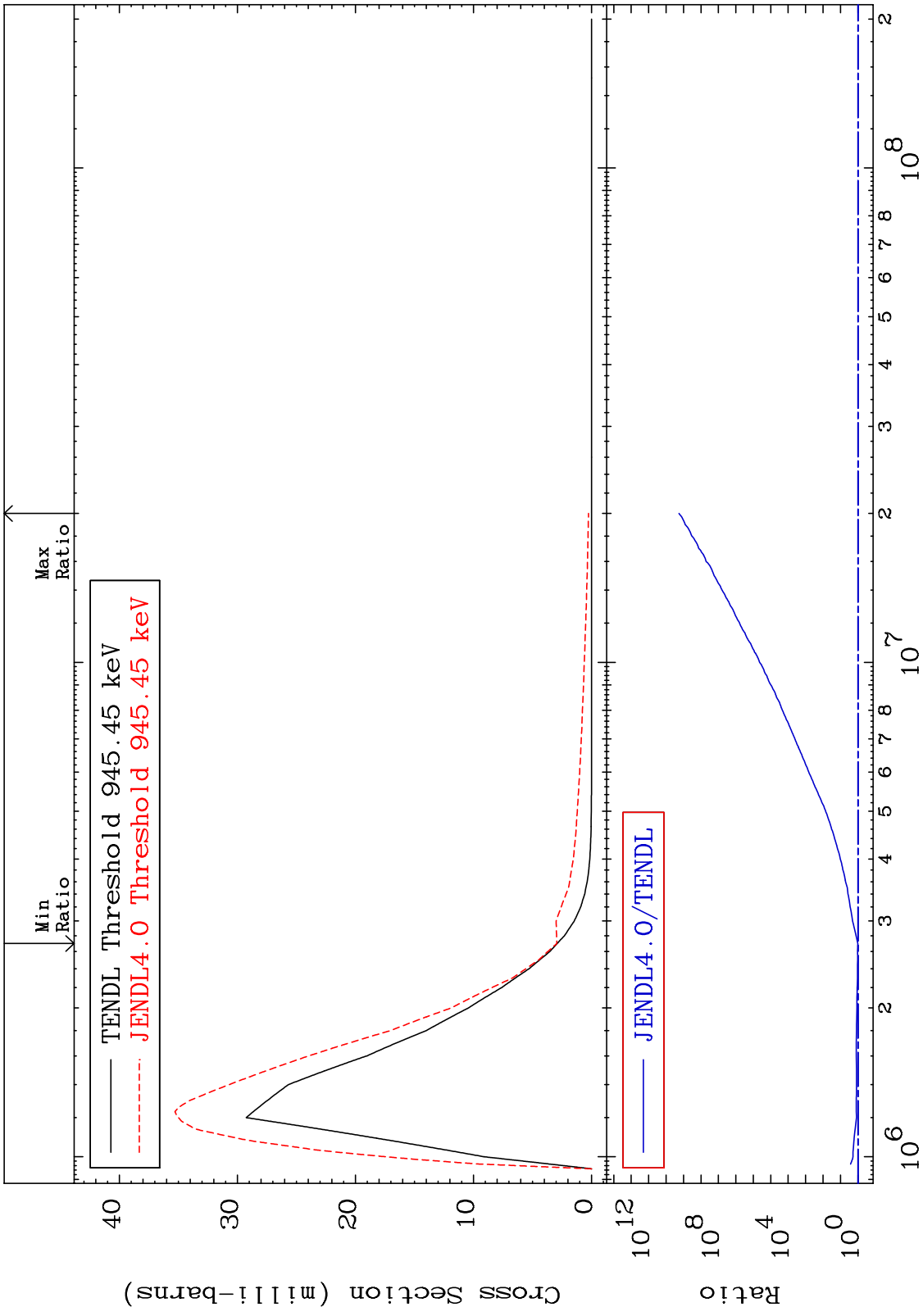




MAT 9434 MT= 58 (n,n') Level Cross Section 94-Pu-238 -91.16 To 2779. %

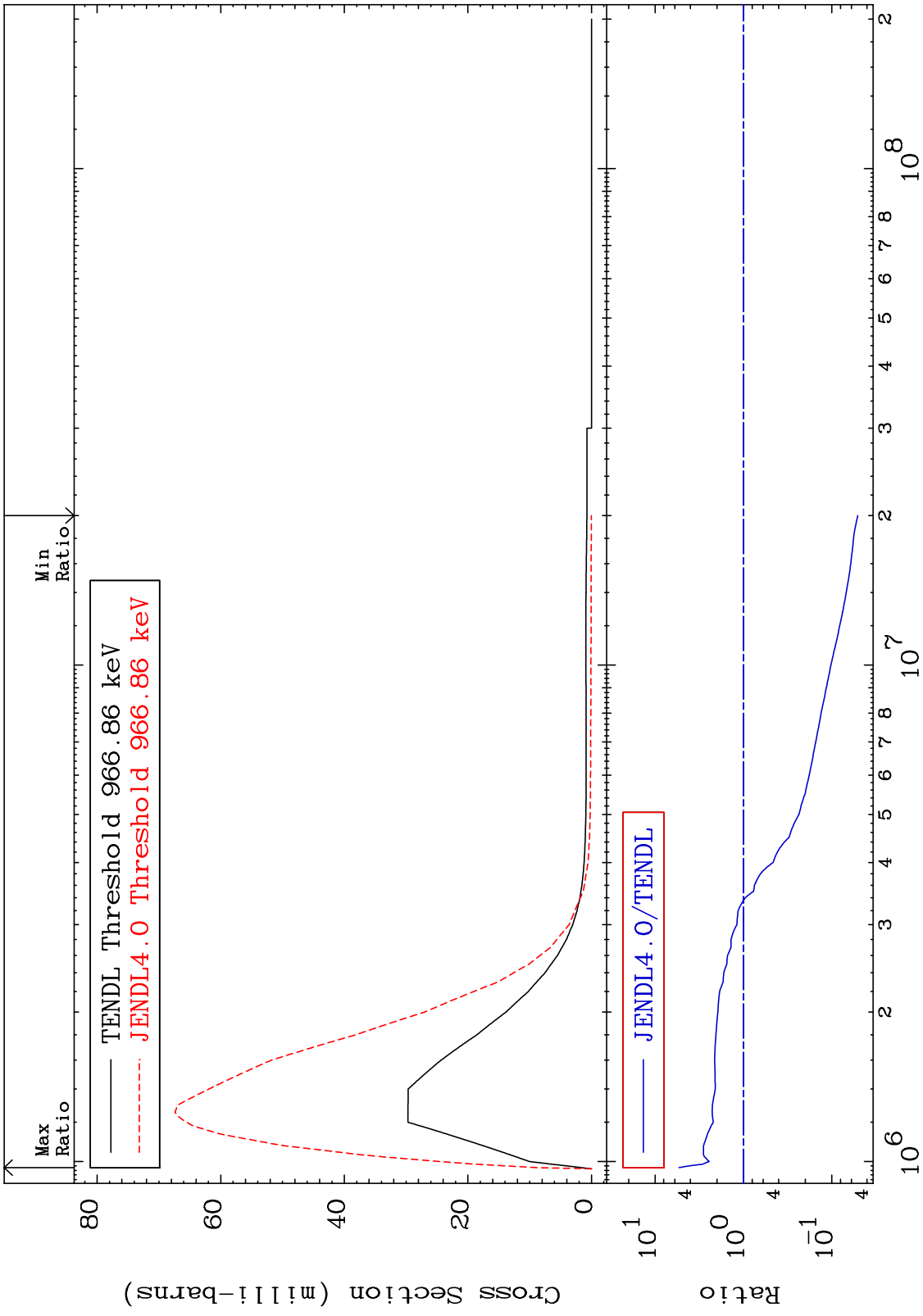


MAT 9434 MT= 59 (n,n') Level Cross Section 94-Pu-238 To 9999. %  
 1.188



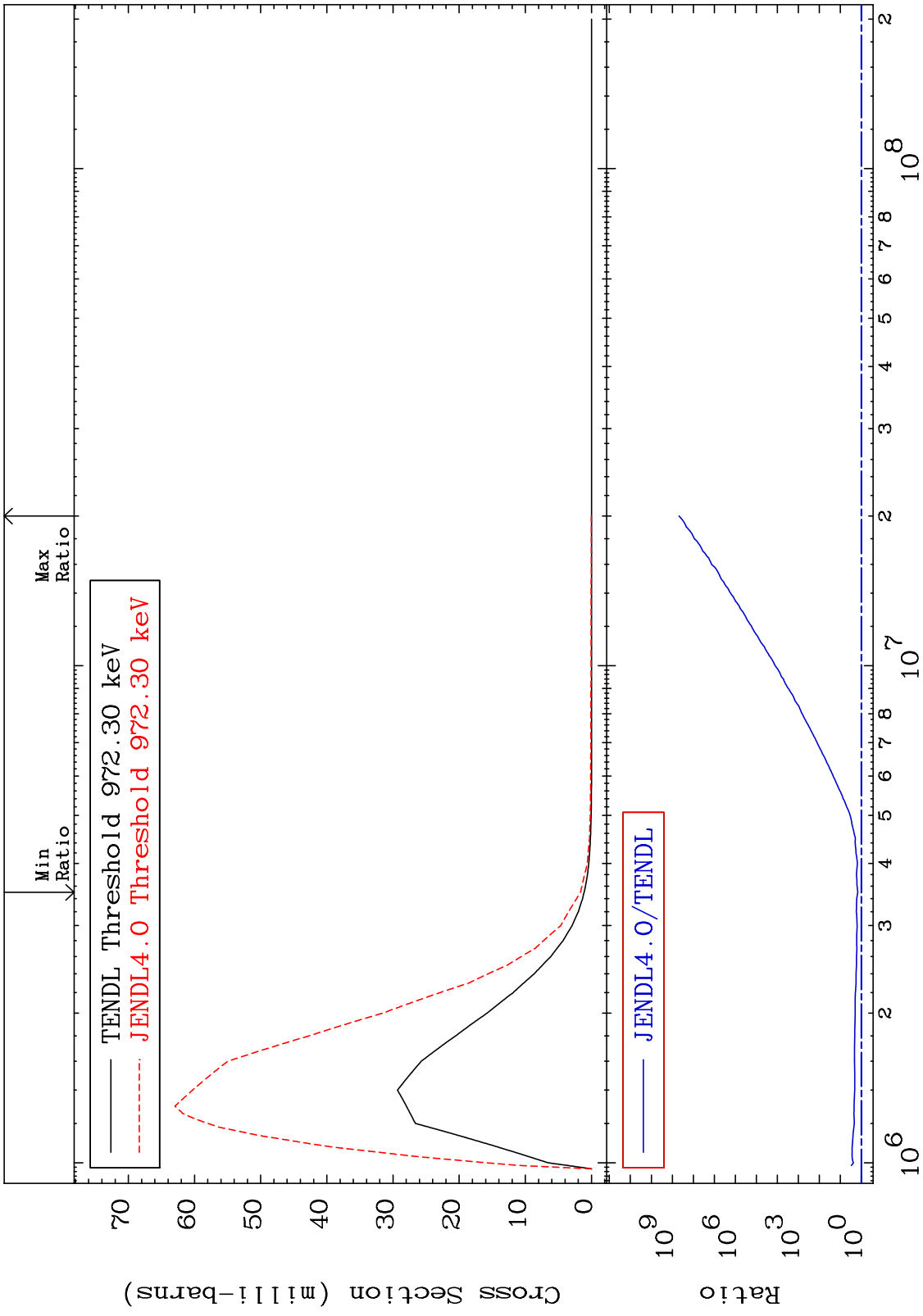
19 Incident Energy (eV) 94-Pu-238

MAT 9434 MT= 60 (n,n') Level Cross Section 94-Pu-238  
 -94.92 To 437.3 %

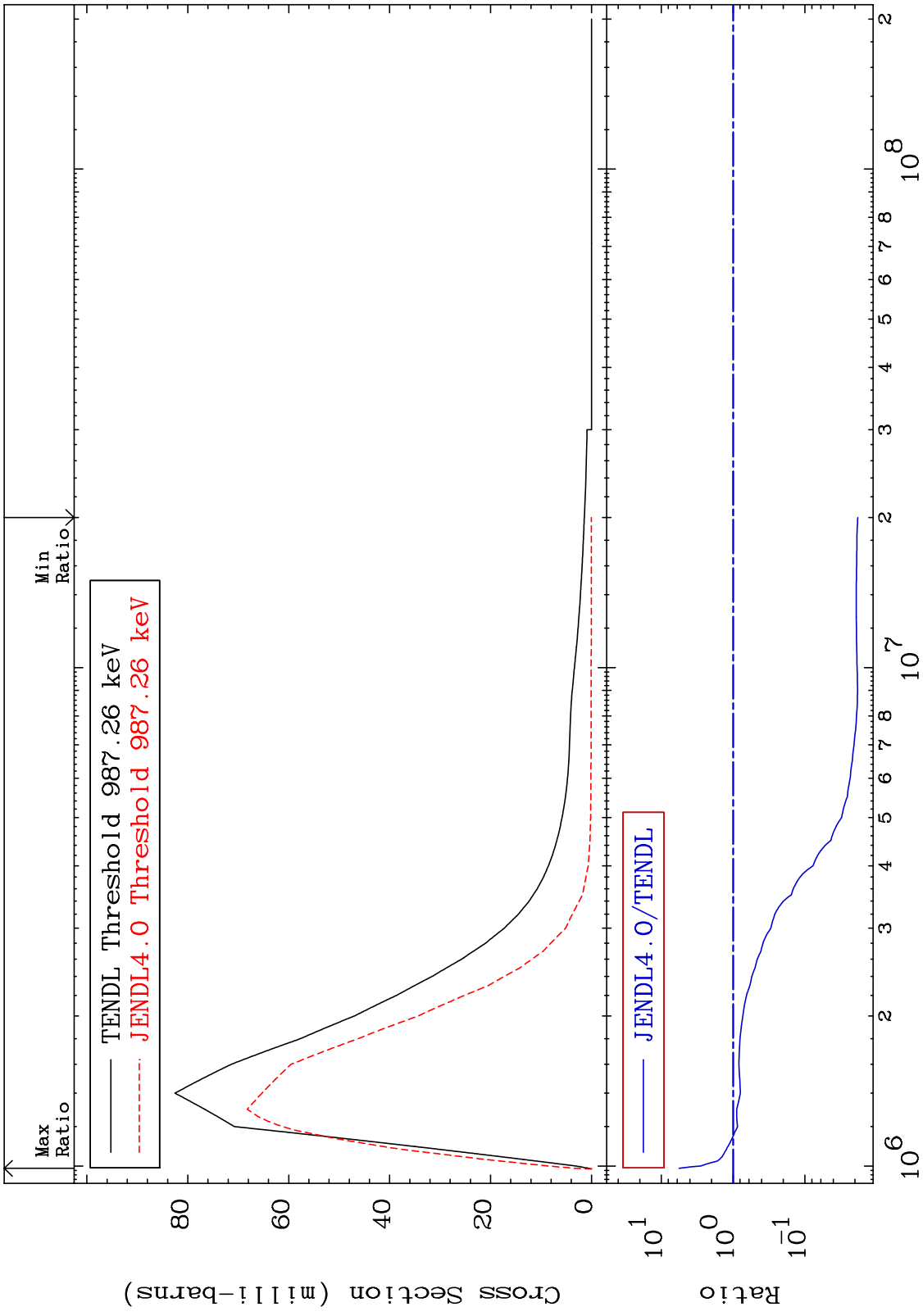


20 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup> 2 94-Pu-238

MAT 9434 MT= 61 (n,n') Level Cross Section 94-Pu-238 47.42 To 9999. %

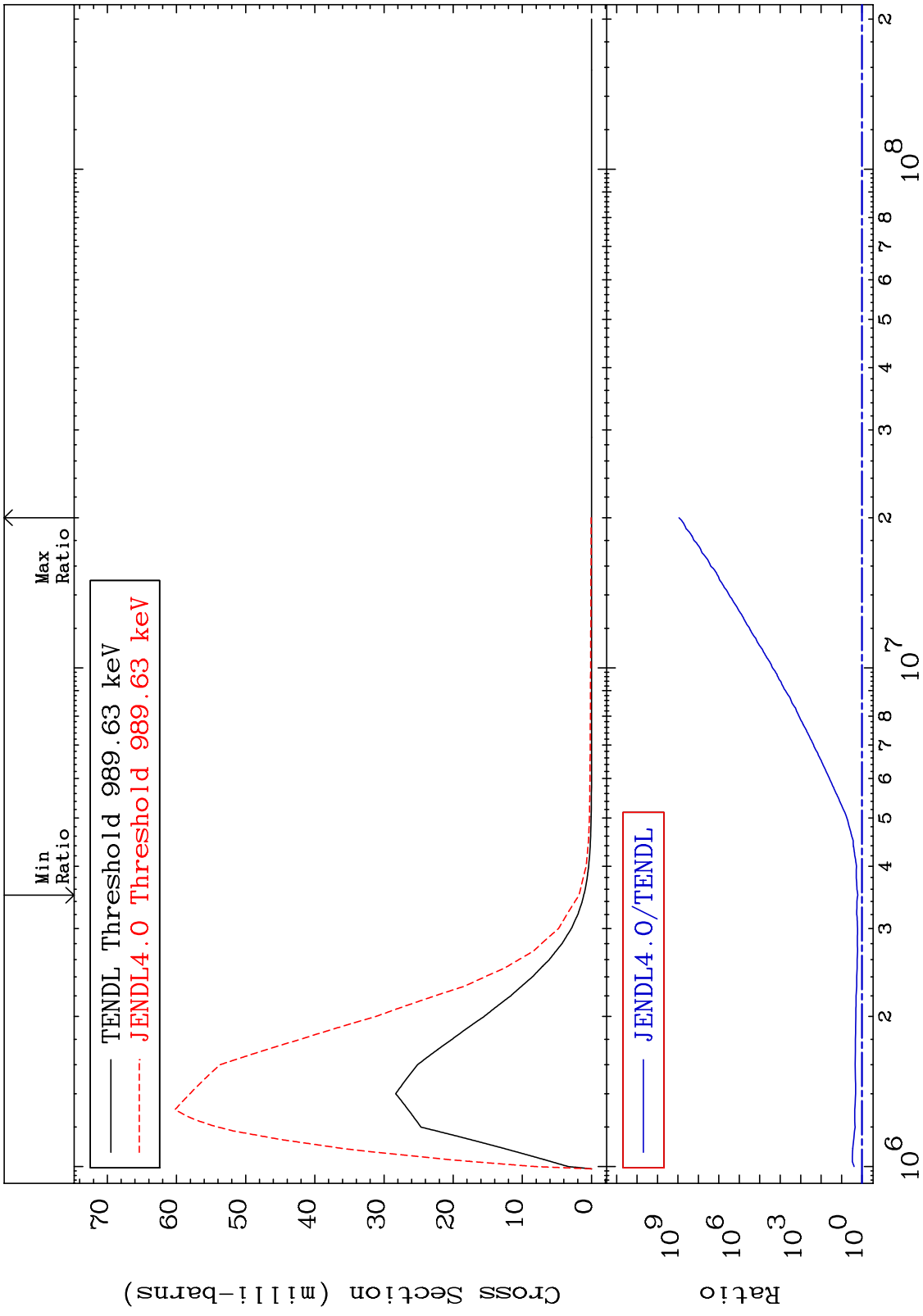


MAT 9434 MT= 62 (n,n') Level Cross Section 94-Pu-238 -98.17 To 467.2 %



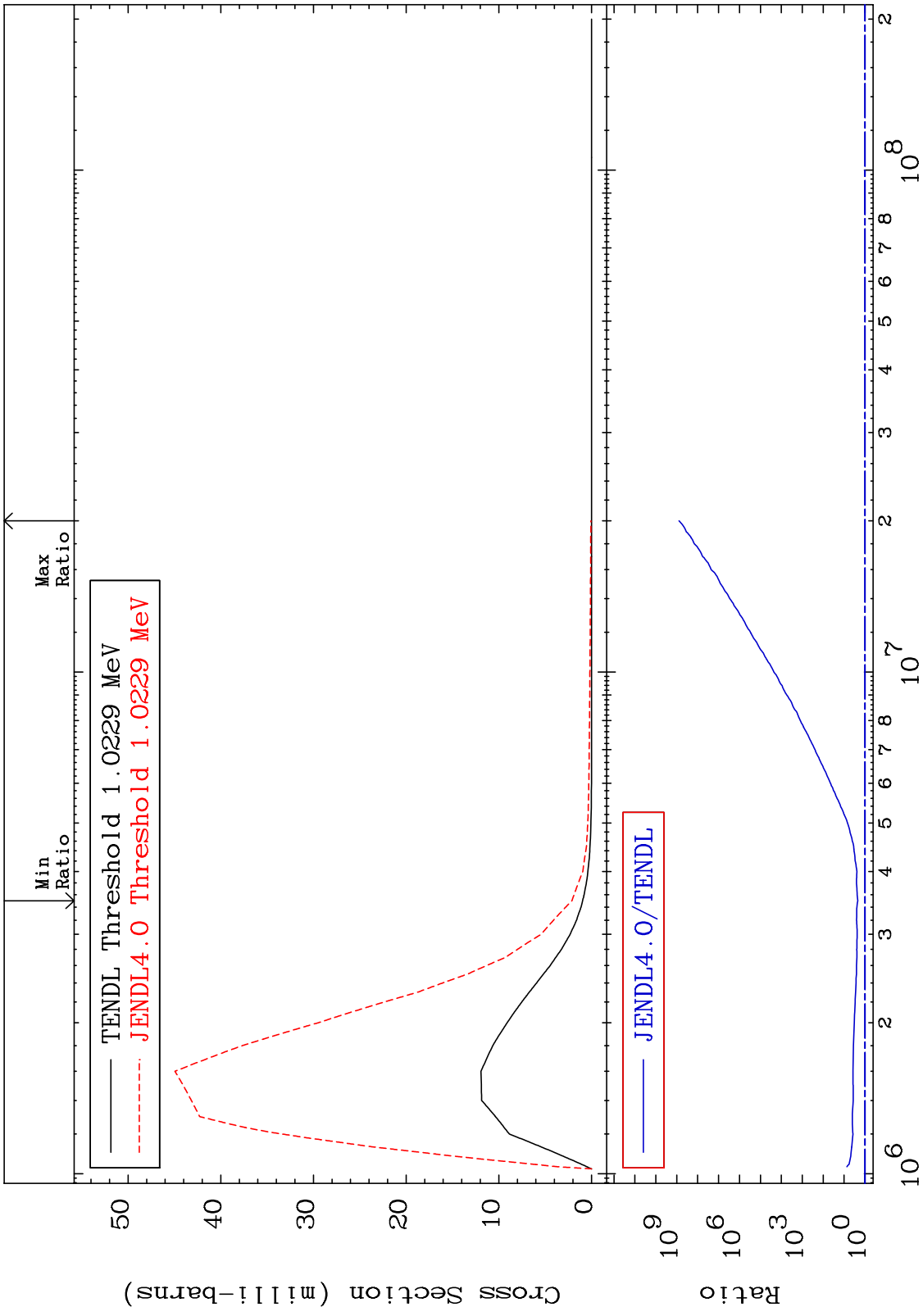
22 94-Pu-238

MAT 9434 MT= 63 (n,n') Level Cross Section 94-Pu-238 To 9999. %  
 59.95





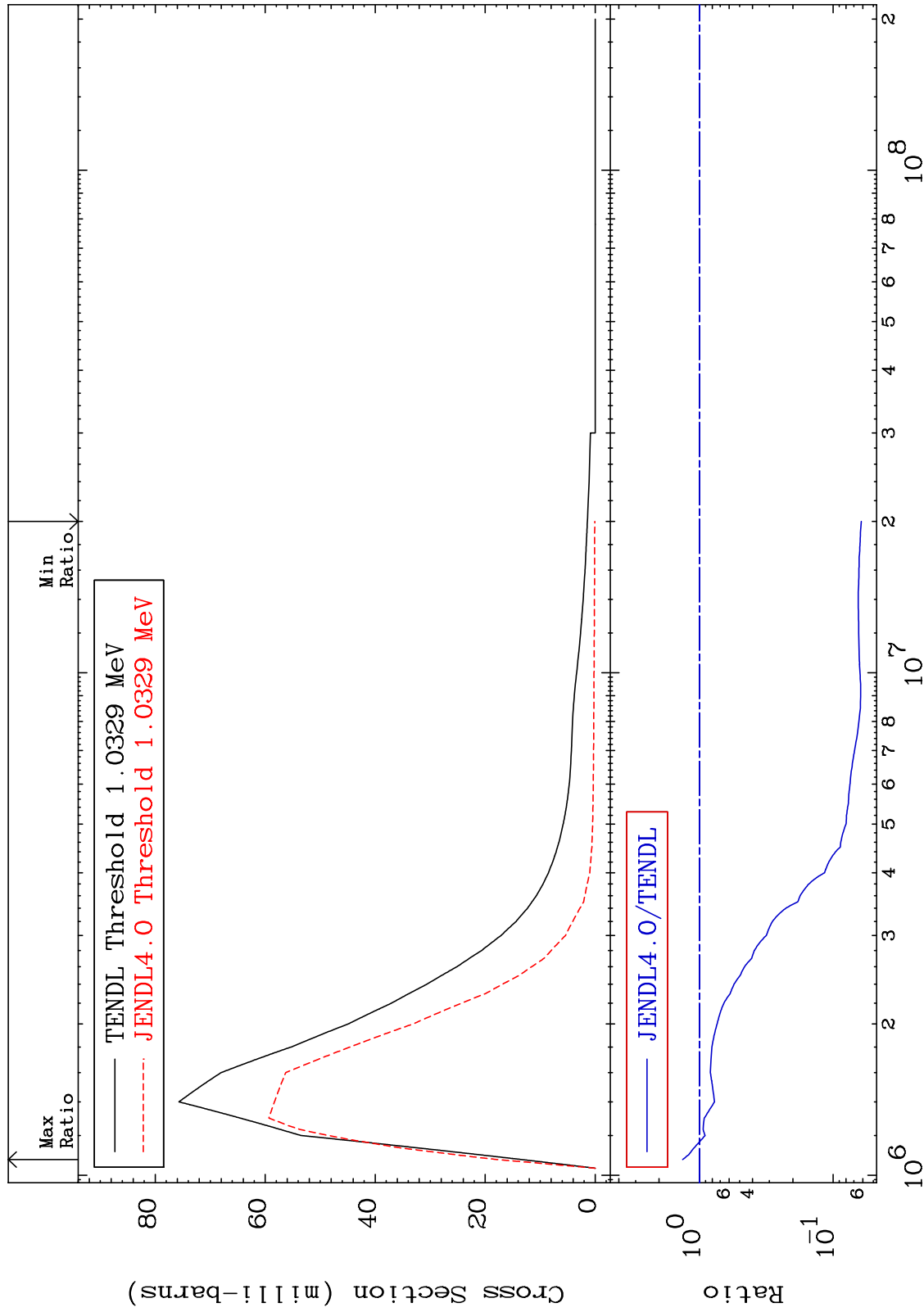
MAT 9434 MT= 64 (n,n') Level Cross Section 94-Pu-238  
 120.0 To 9999. %



MAT 9434

MT= 65 (n,n') Level  
Cross Section

94-Pu-238  
-93.85 To 33.31 %

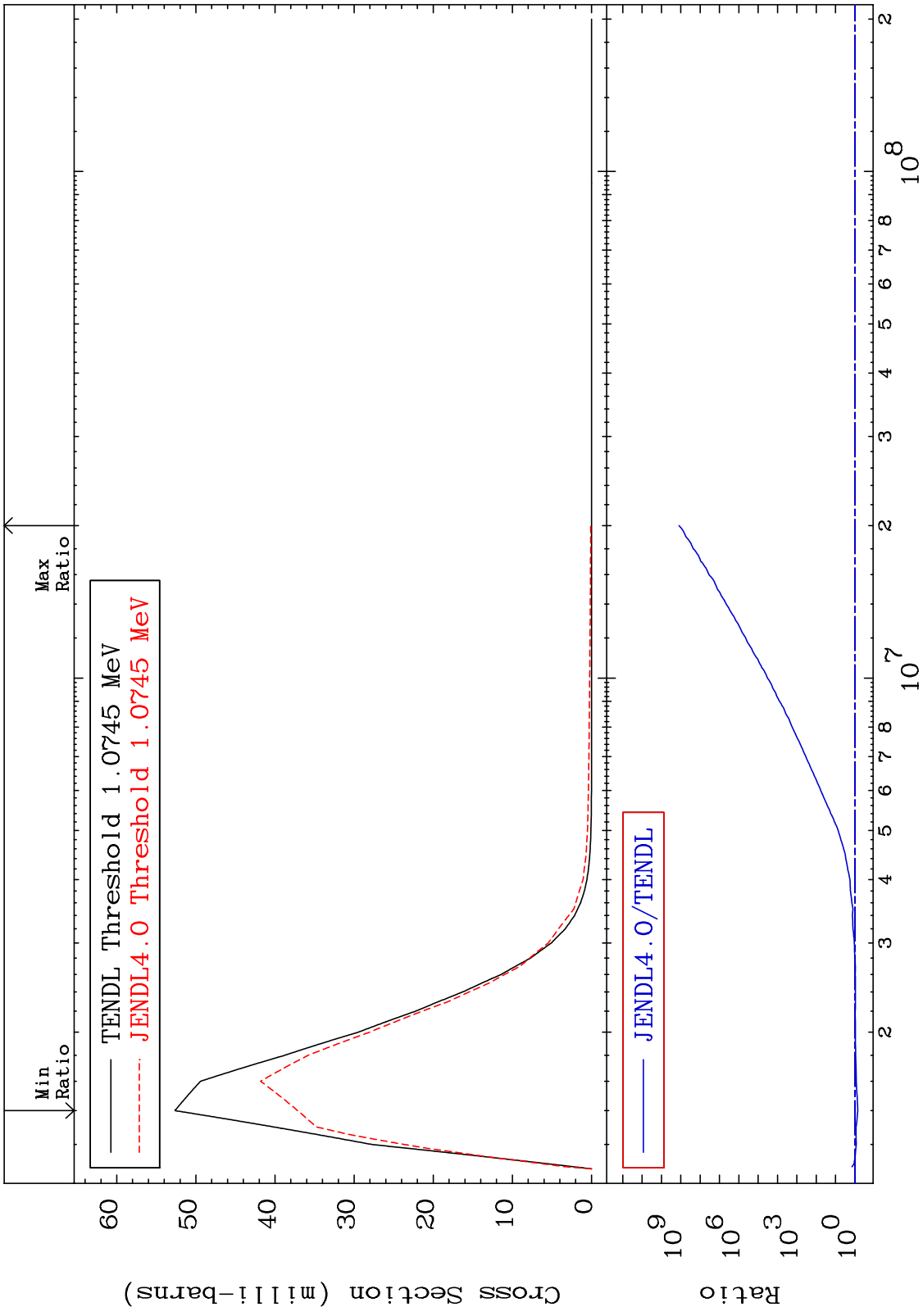


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Incident Energy (eV)

94-Pu-238

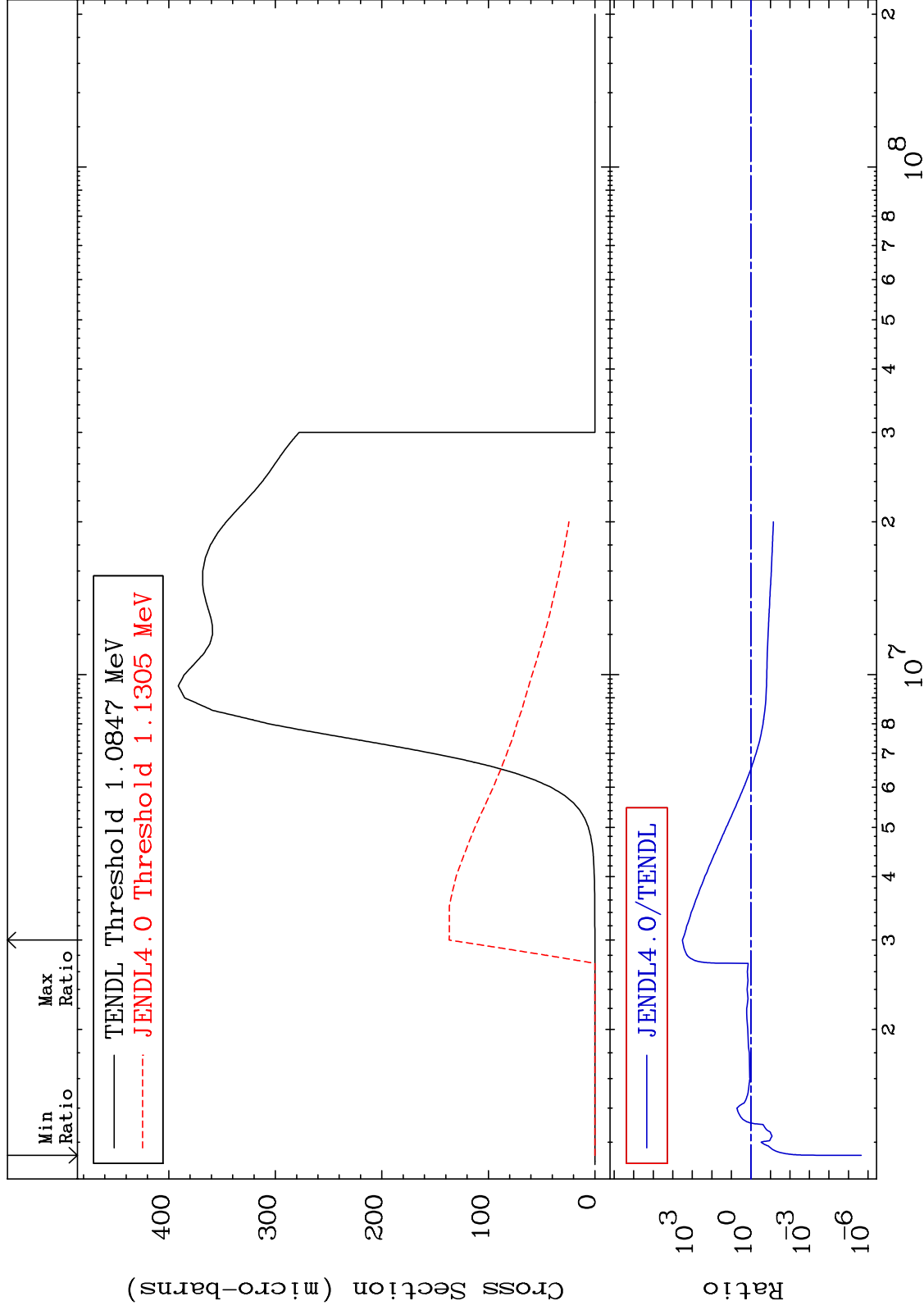
MAT 9434 MT= 66 (n,n') Level Cross Section 94-Pu-238  
 -29.45 To 9999. %



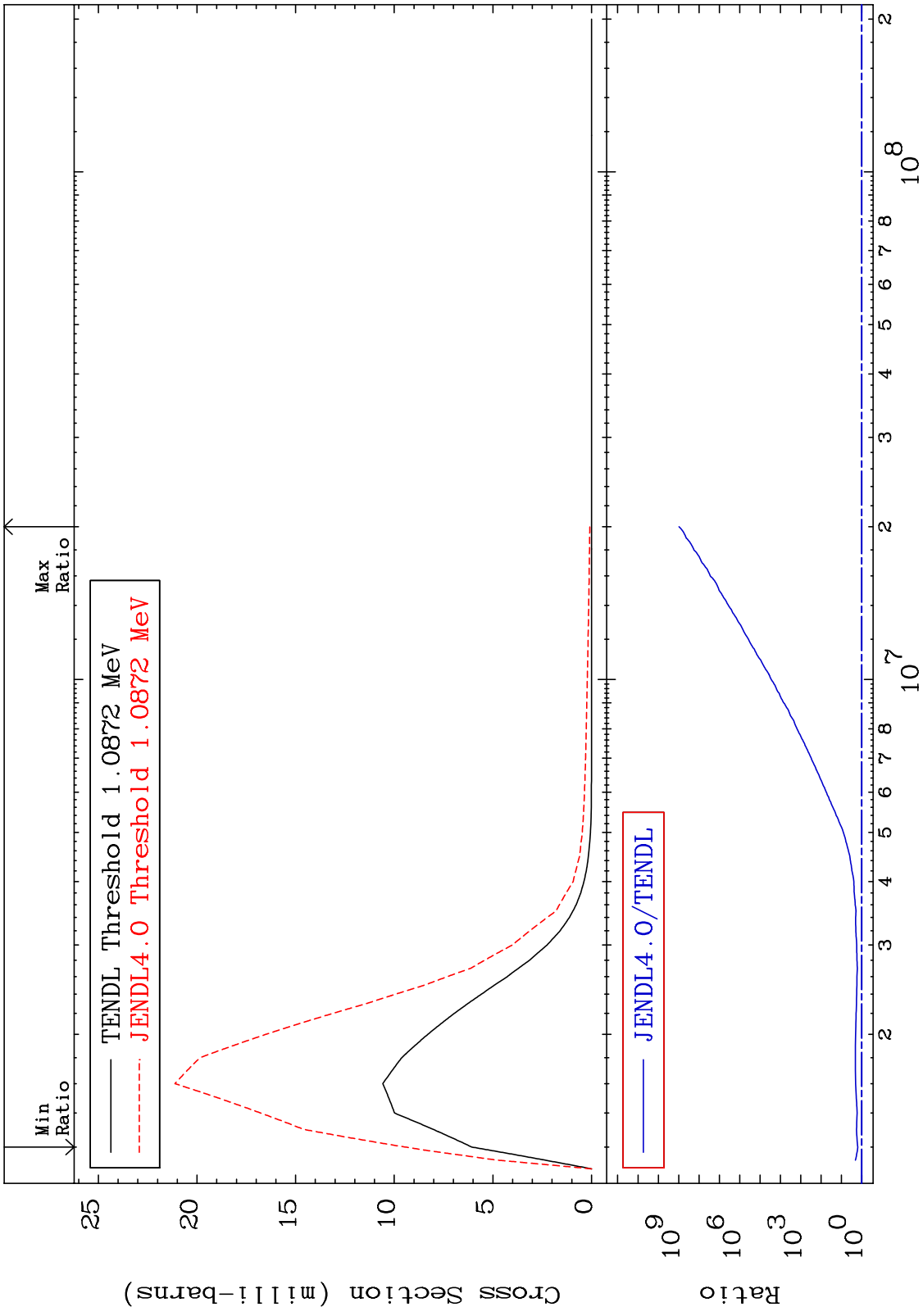
MAT 9434

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

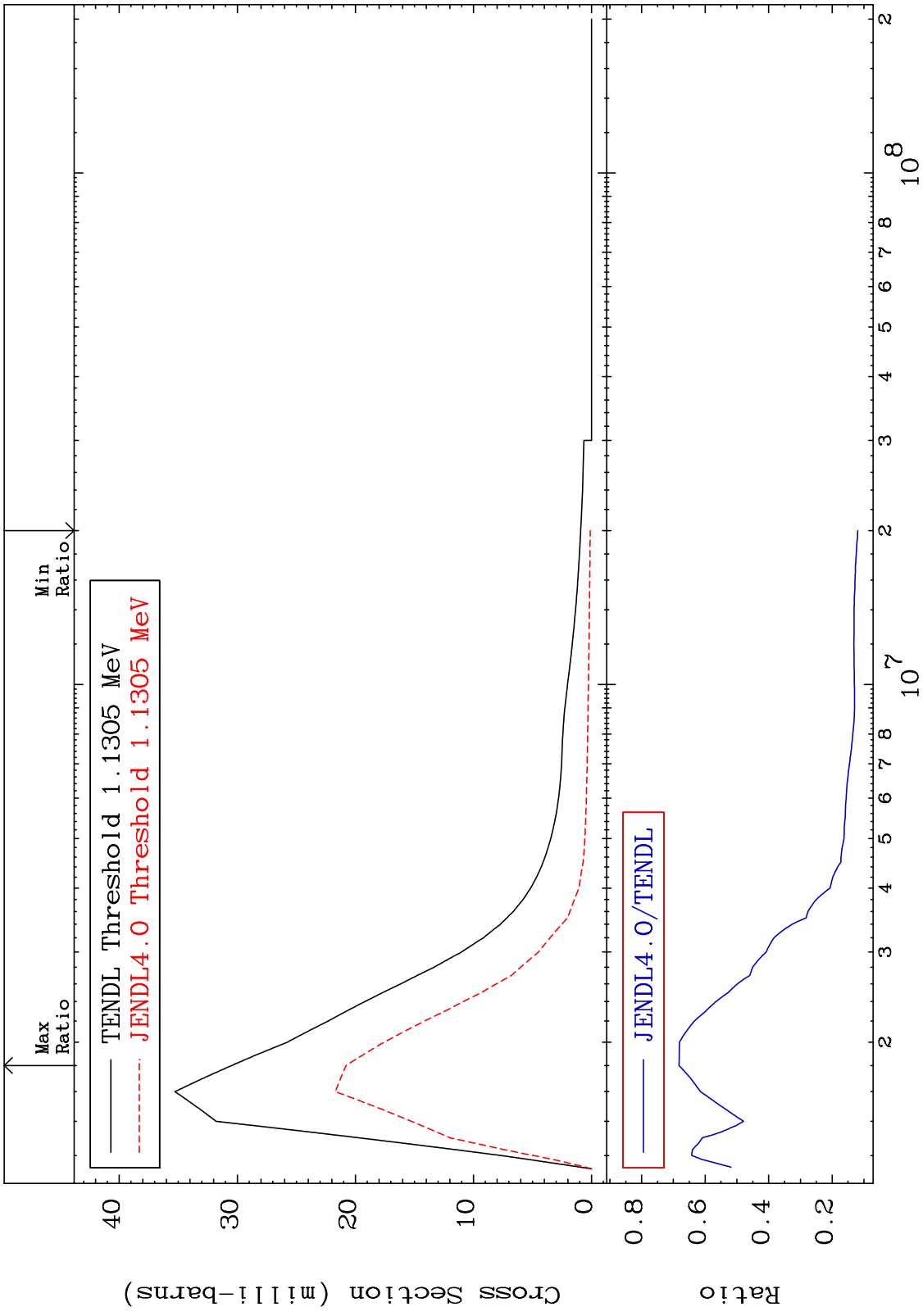
94-Pu-238  
-100.0 To 9999. %



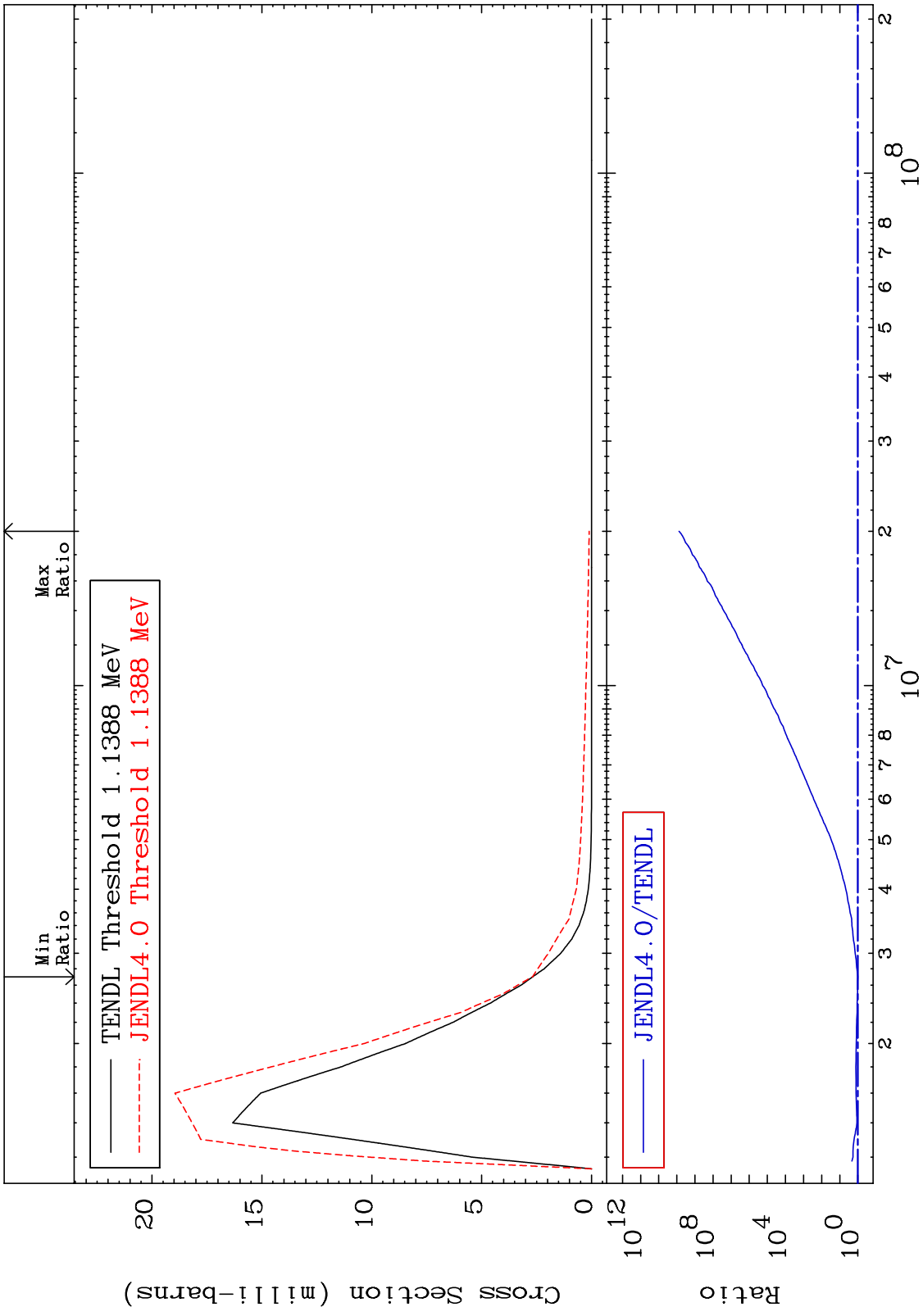
MAT 9434 MT= 68 (n,n') Level Cross Section 94-Pu-238 To 9999. %  
 55.53



MAT 9434 MT= 69 (n,n') Level Cross Section 94-Pu-238  
 -88.08 To -31.78%



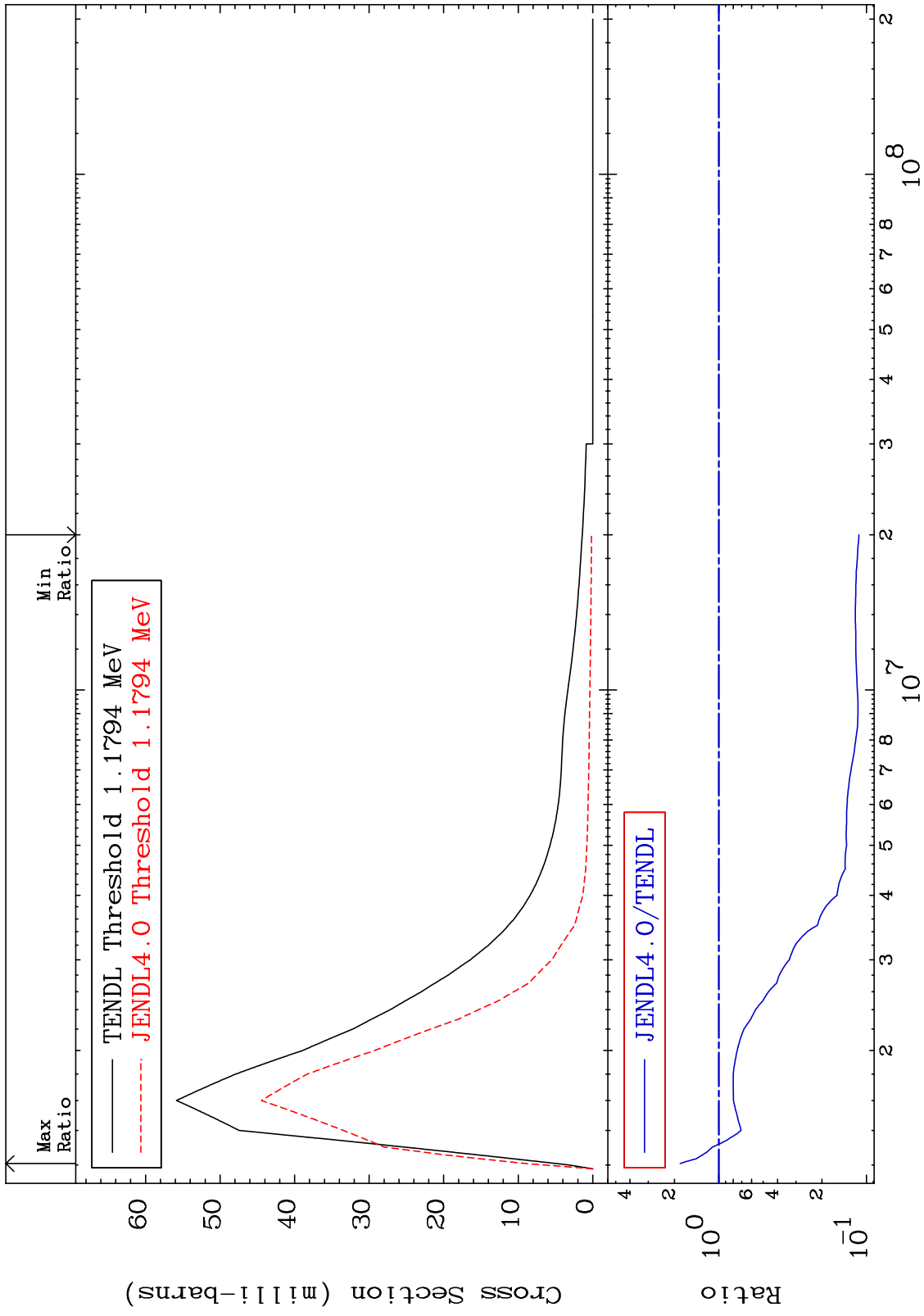
MAT 9434 MT= 70 (n,n') Level Cross Section 94-Pu-238 To 9999. %



MAT 9434

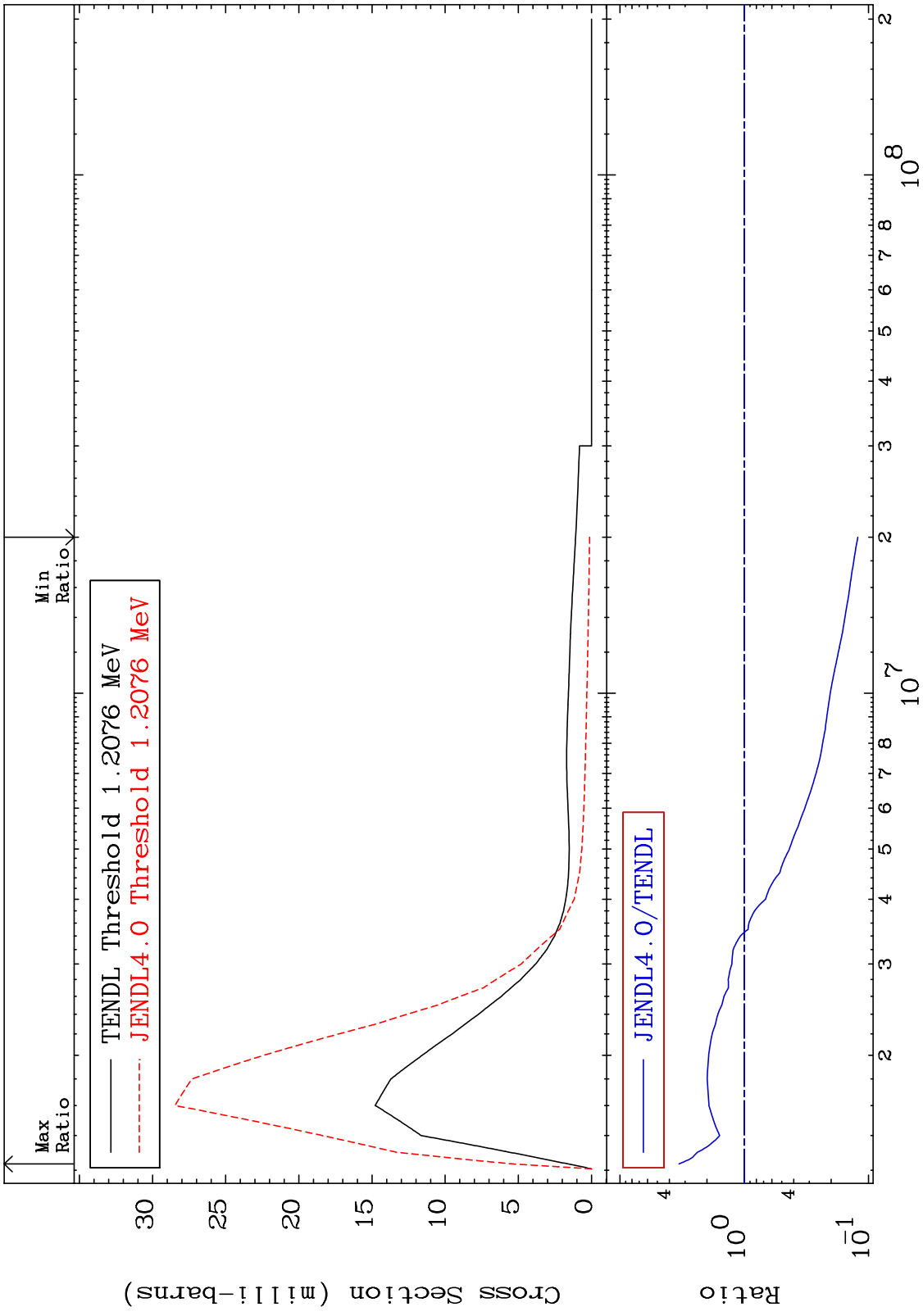
MT= 71 (n,n') Level  
Cross Section

94-Pu-238  
-88.74 To 82.56 %

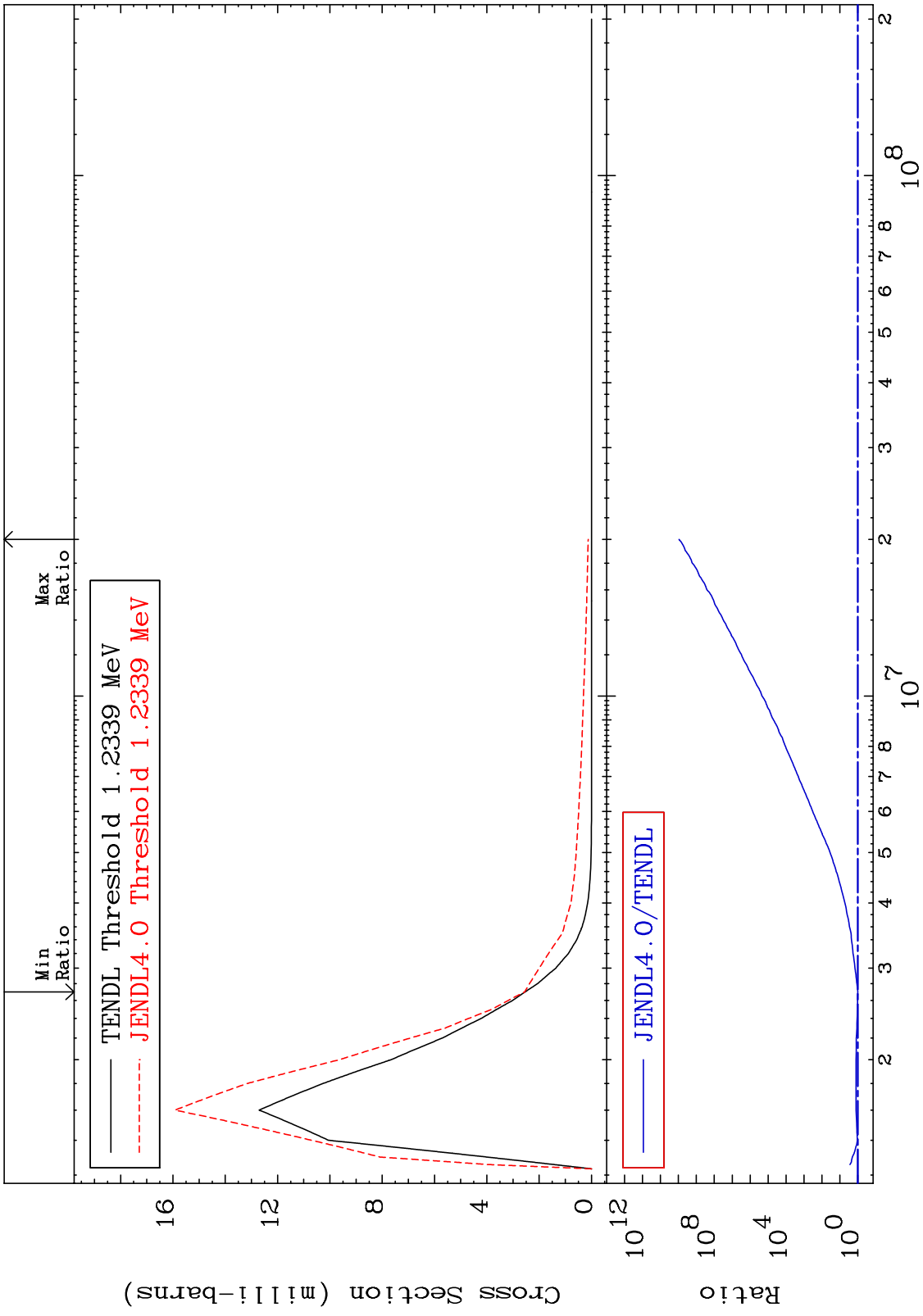




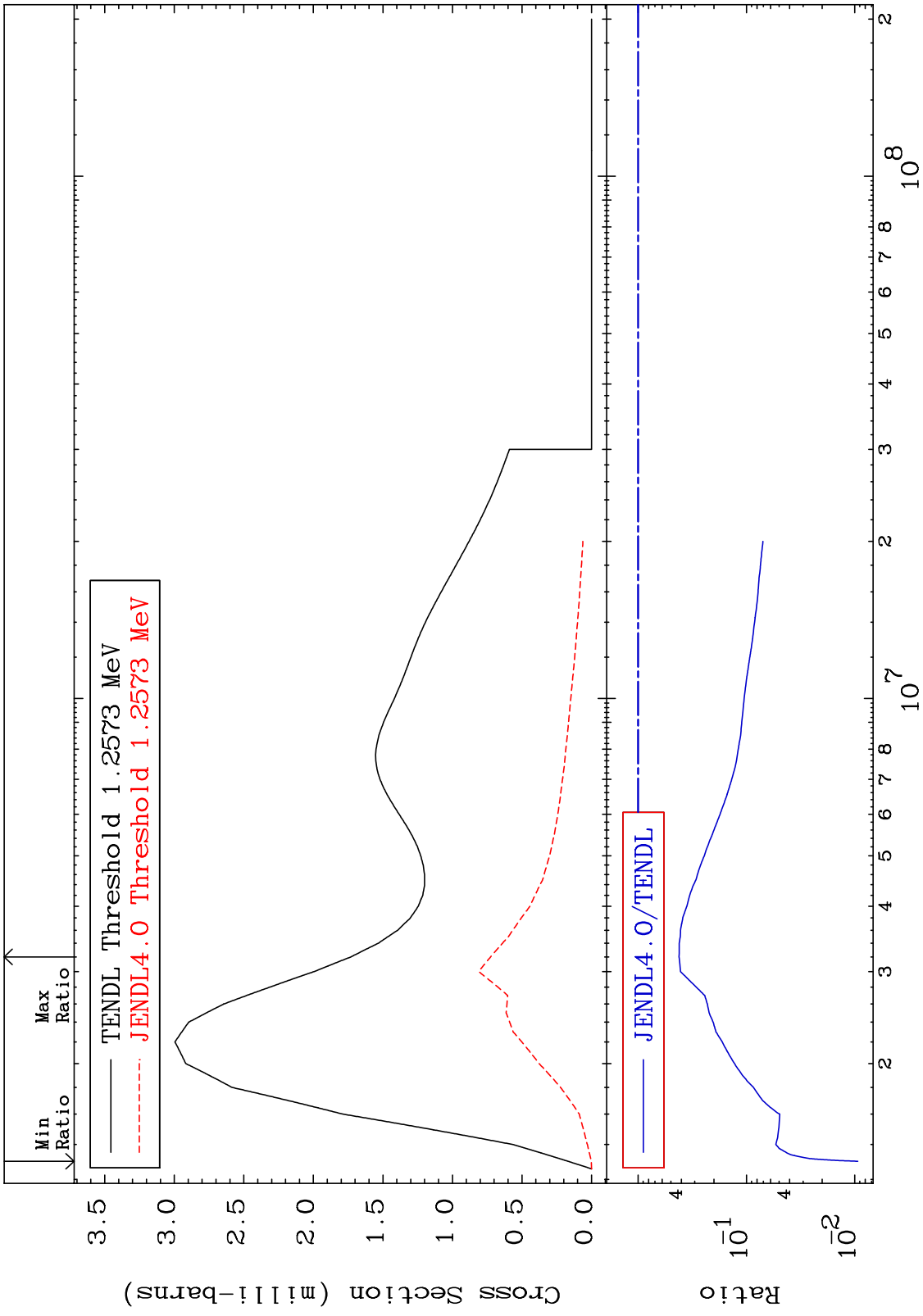
MAT 9434 MT= 72 (n,n') Level Cross Section -87.80 To 235.0 % 94-Pu-238



MAT 9434 MT= 73 (n,n') Level Cross Section 94-Pu-238 To 9999. %  
 0.684



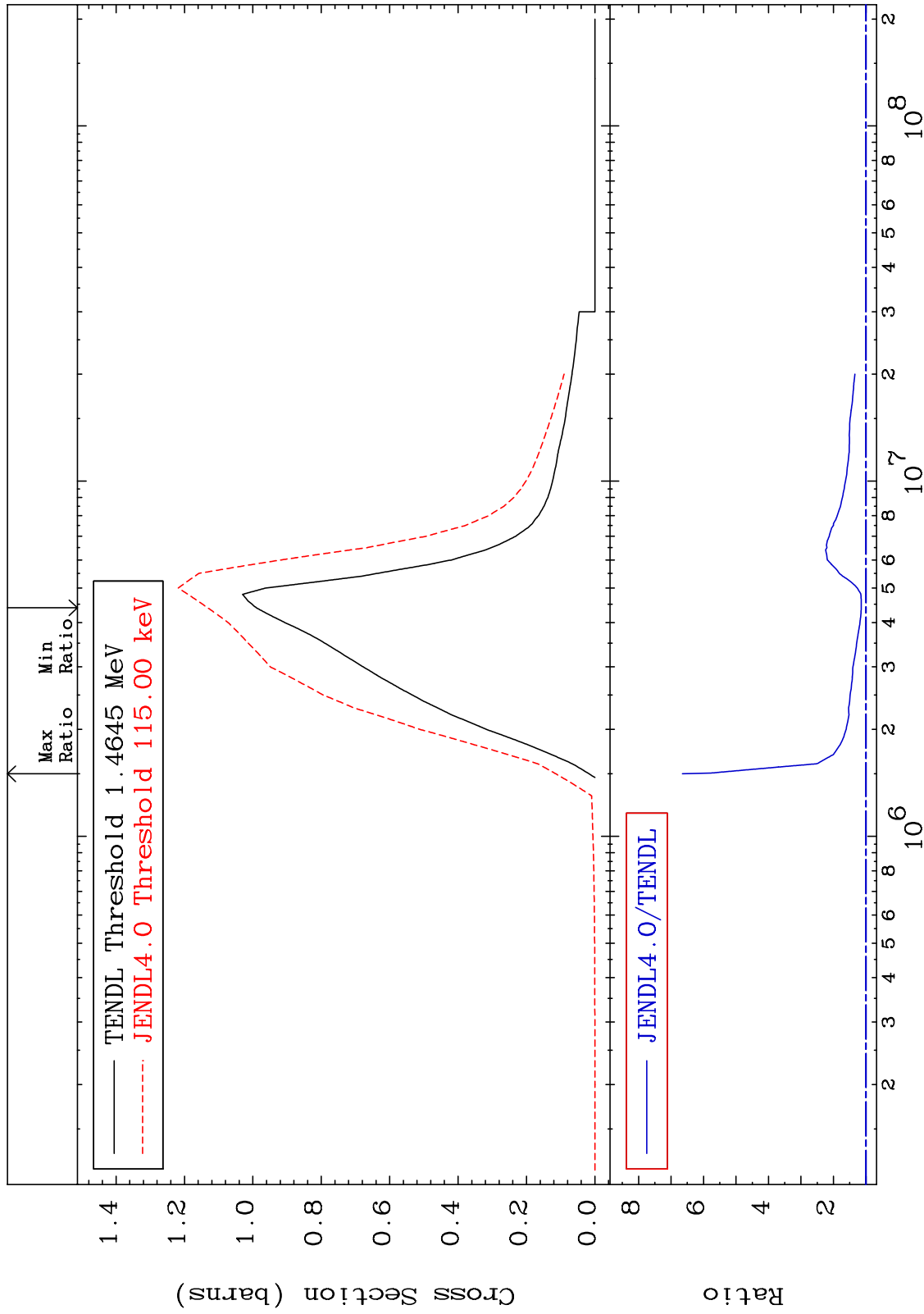
MAT 9434 MT= 74 (n,n') Level Cross Section 94-Pu-238 -99.06 To -58.05%



MAT 9434

(n, n') Continuum  
Cross Section

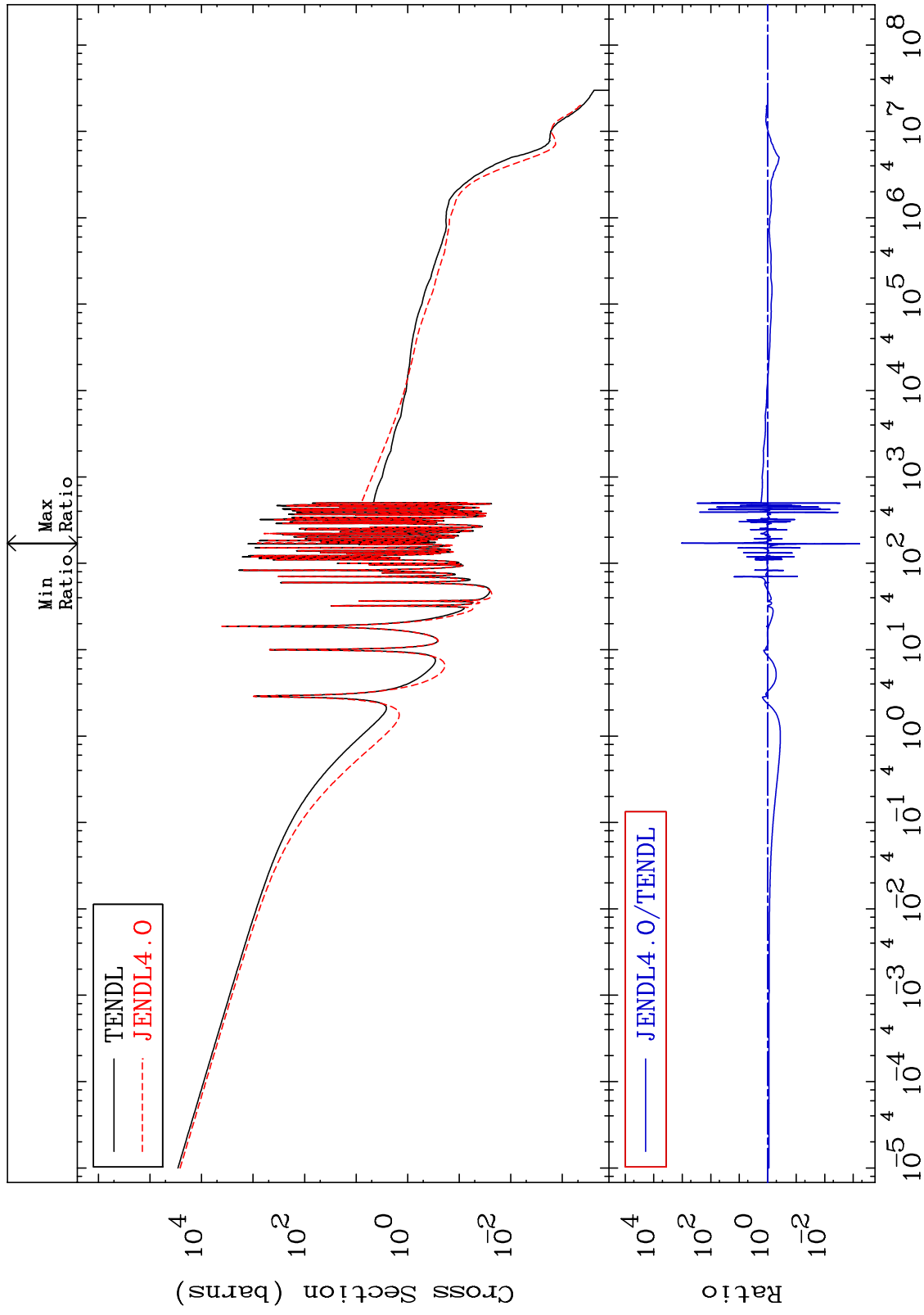
94-Pu-238  
14.33 To 564.9 %



MAT 9434

(n,  $\gamma$ )  
Cross Section

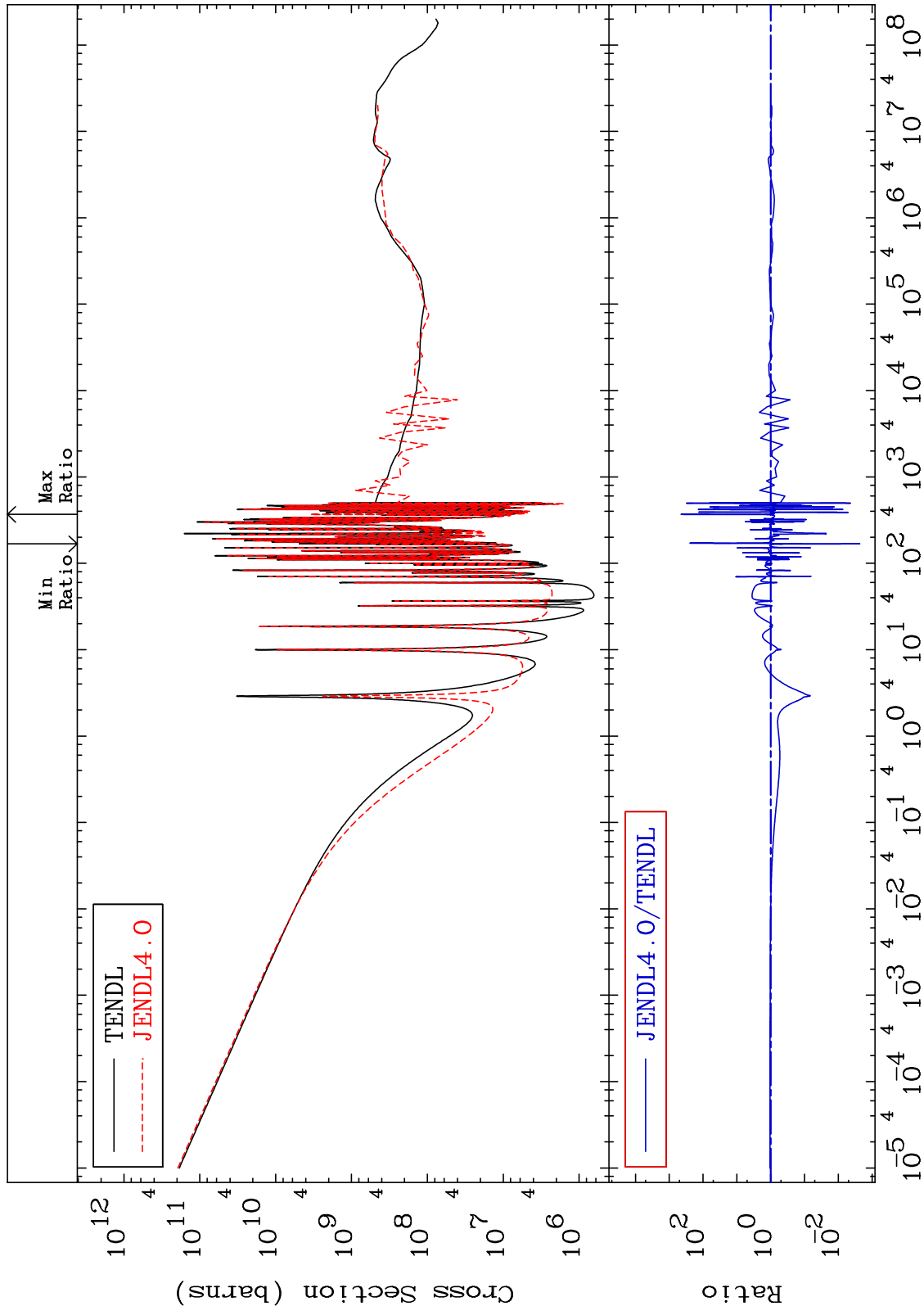
94-Pu-238  
-99.94 To 9999. %



MAT 9434

Kerma total (eV-barns)  
Cross Section

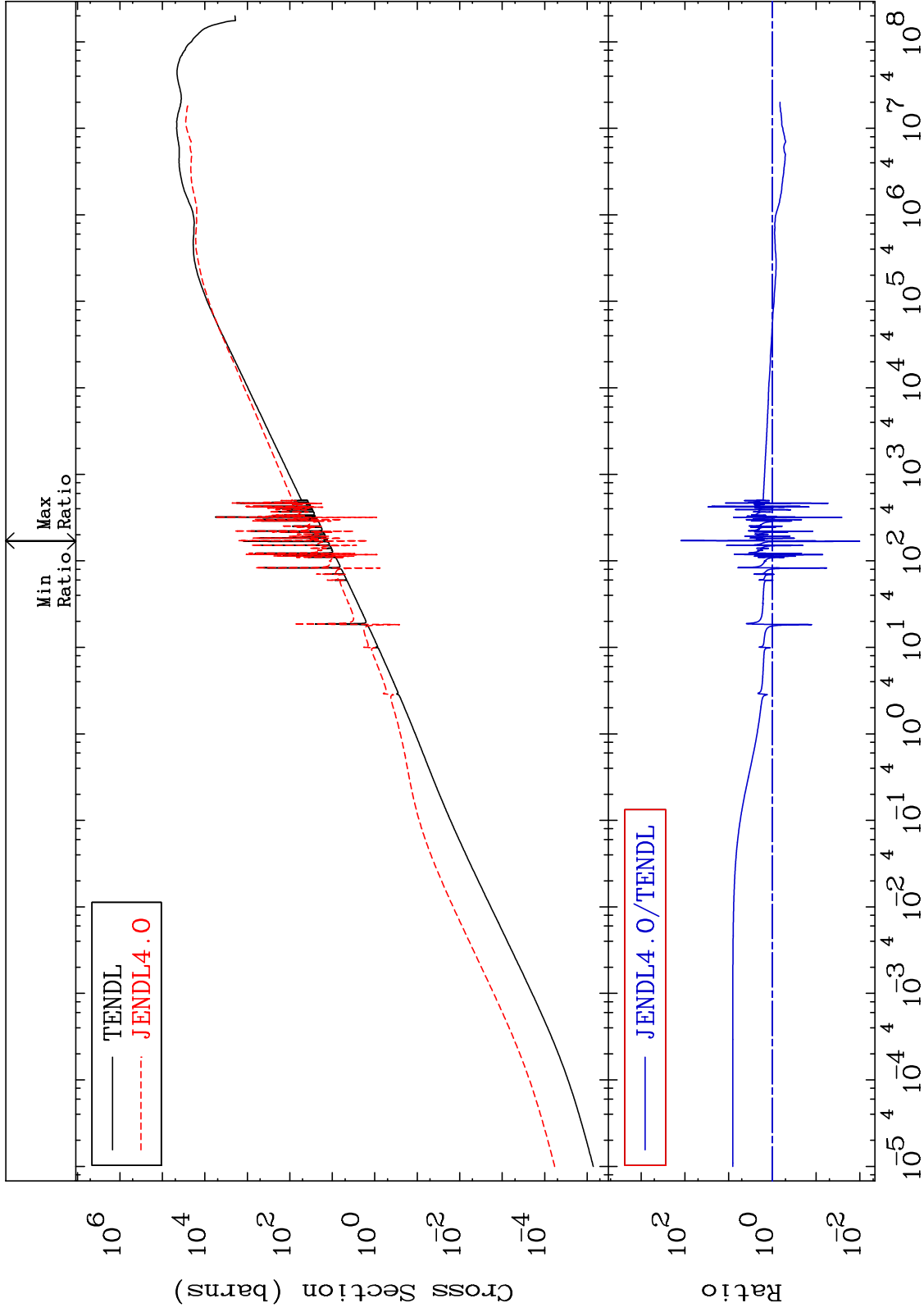
94-Pu-238  
-99.77 To 9999. %



MAT 9434

Kerma elastic  
Cross Section

94-Pu-238  
-98.99 To 9999. %



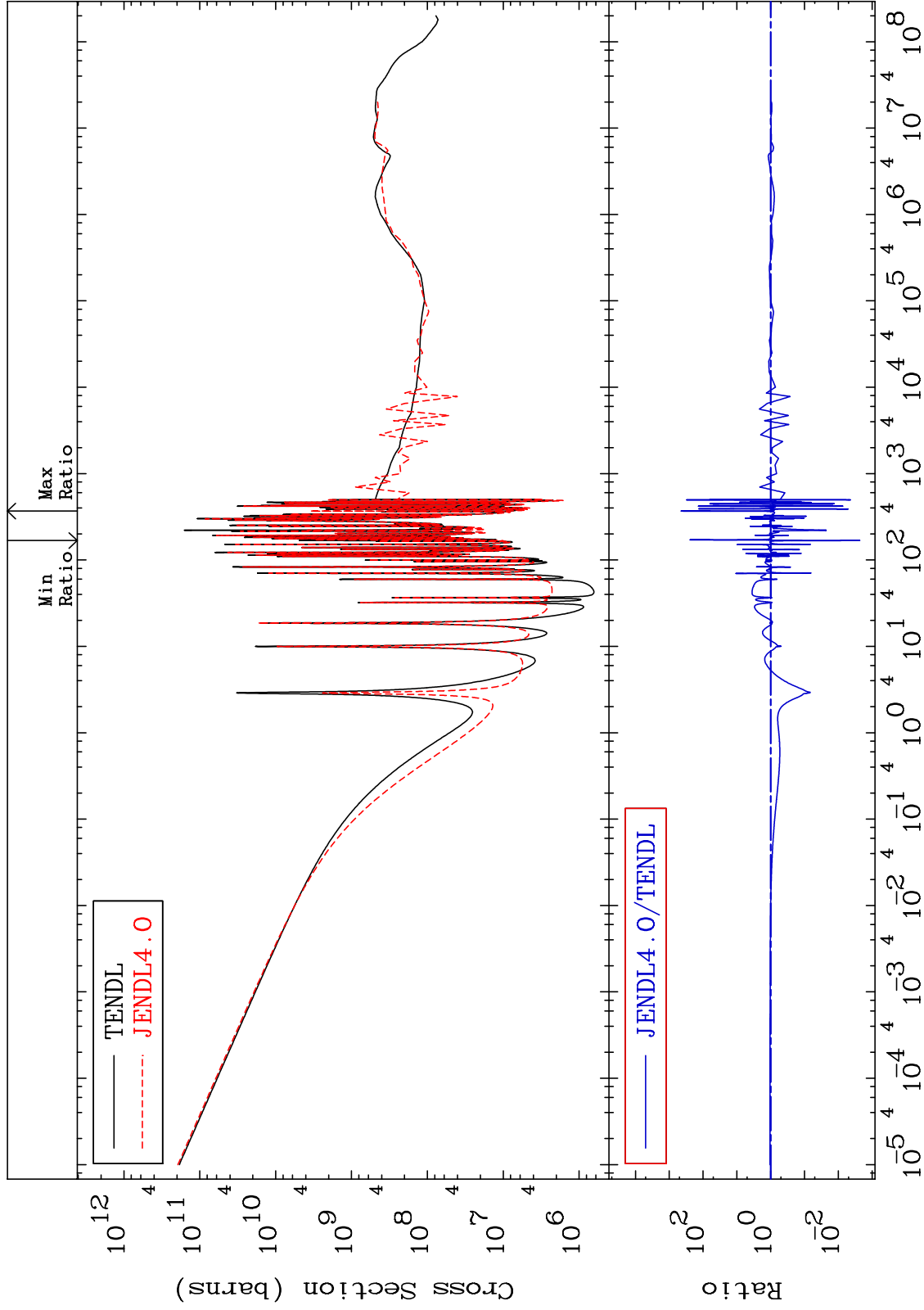
MAT 9434

Kerma non-elastic (all but mt2)

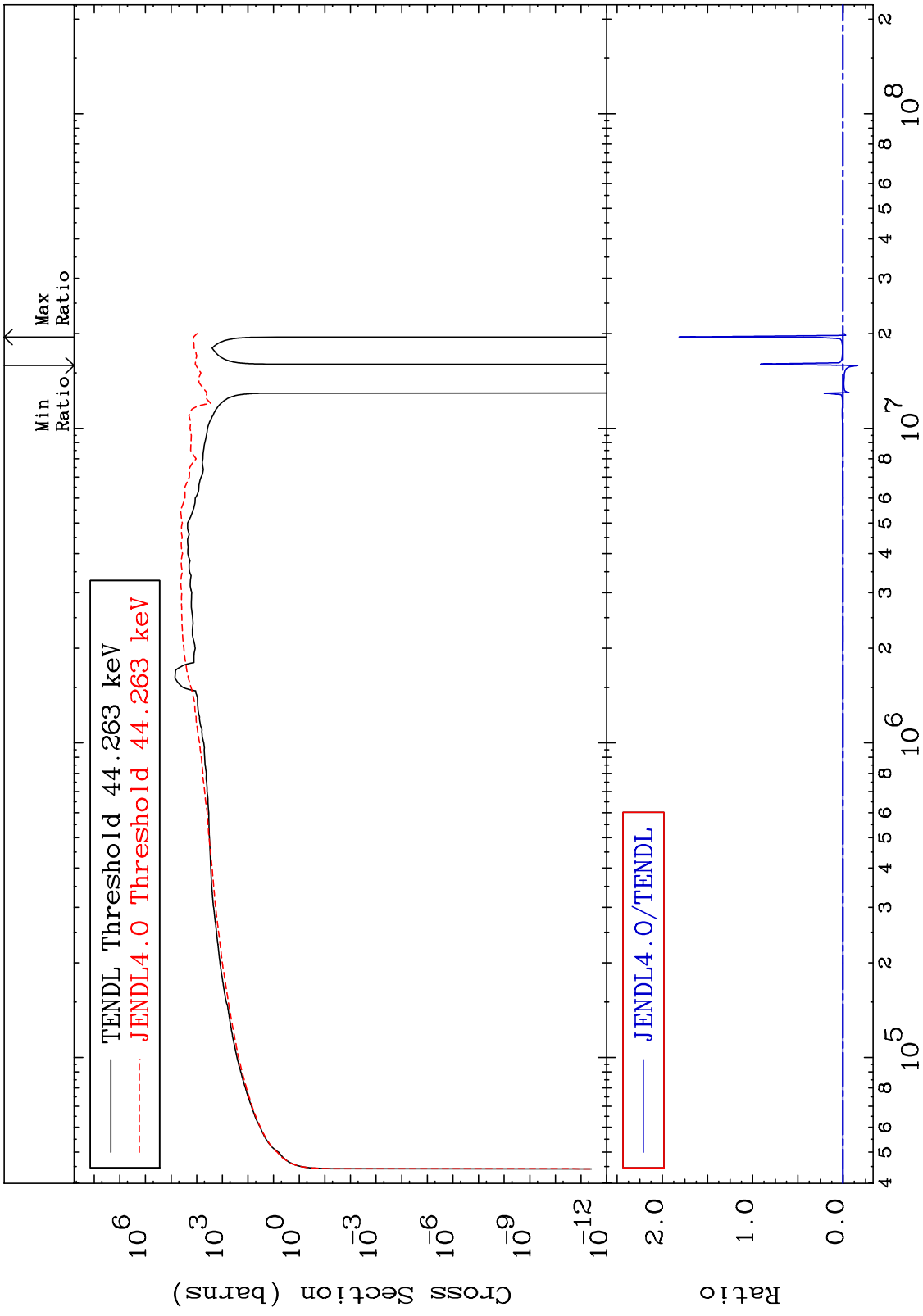
94-Pu-238

-99.77 To 9999. %

Cross Section



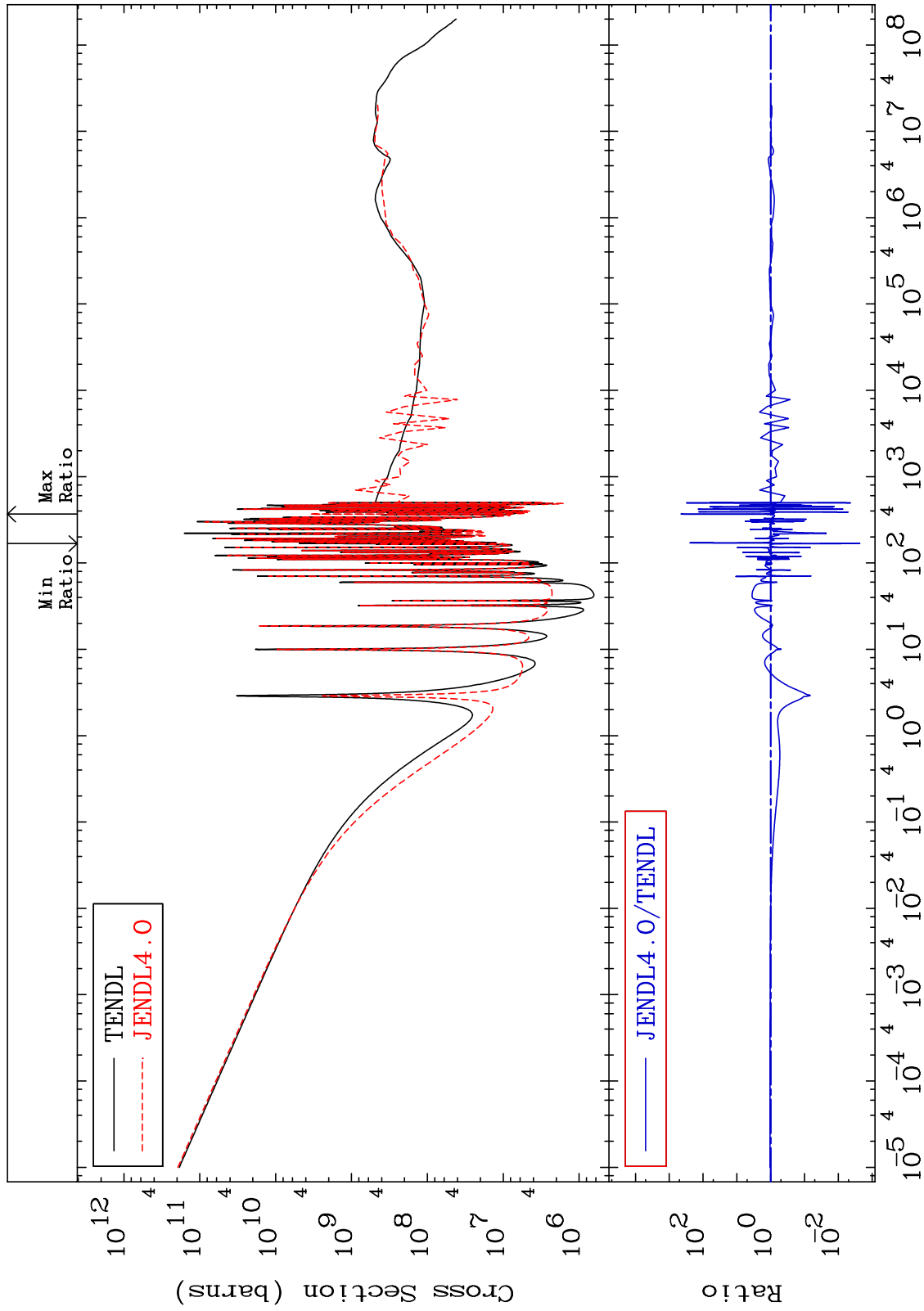




MAT 9434

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

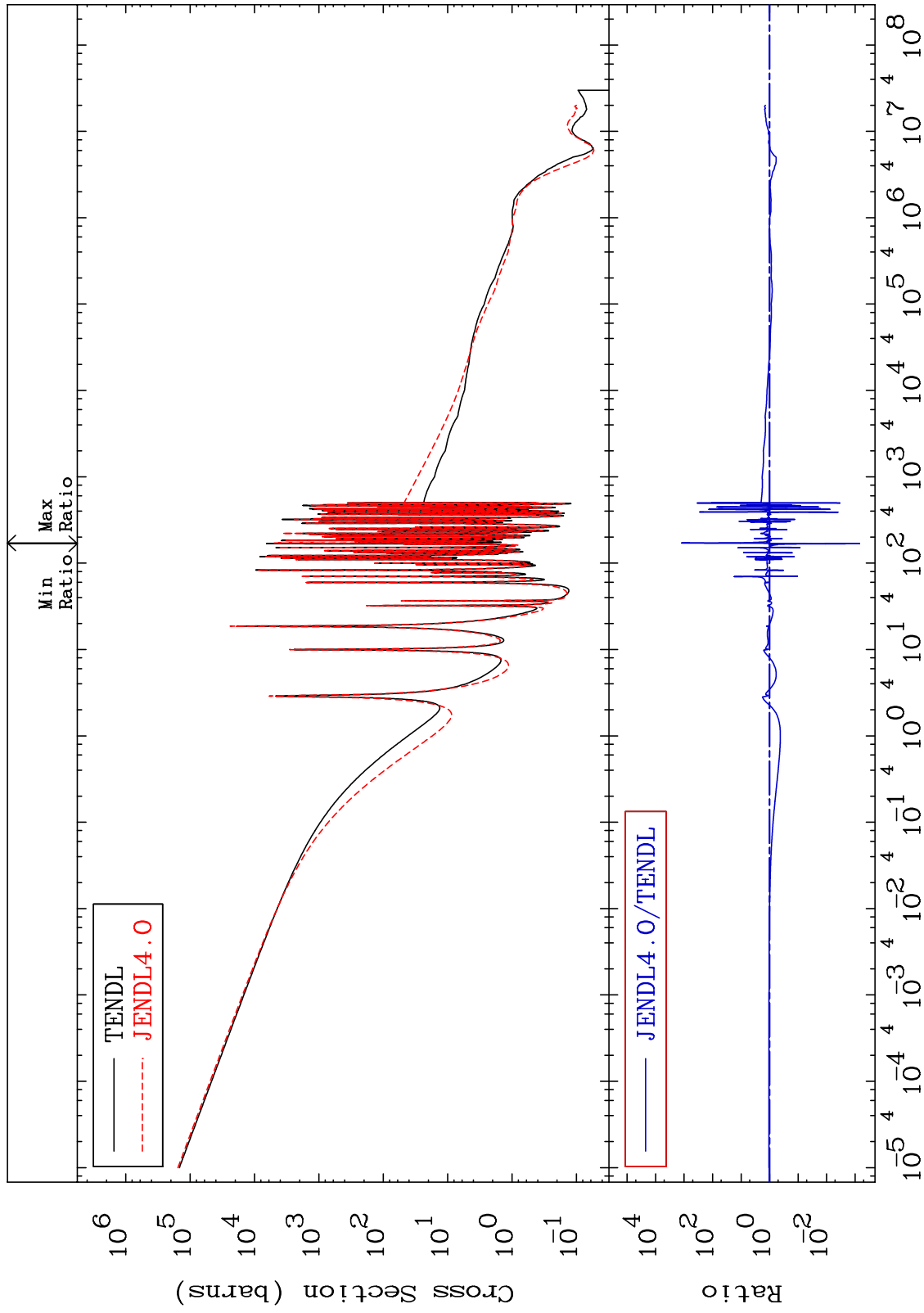
94-Pu-238  
-99.77 To 9999. %



MAT 9434

Kerma capture (mt102)  
Cross Section

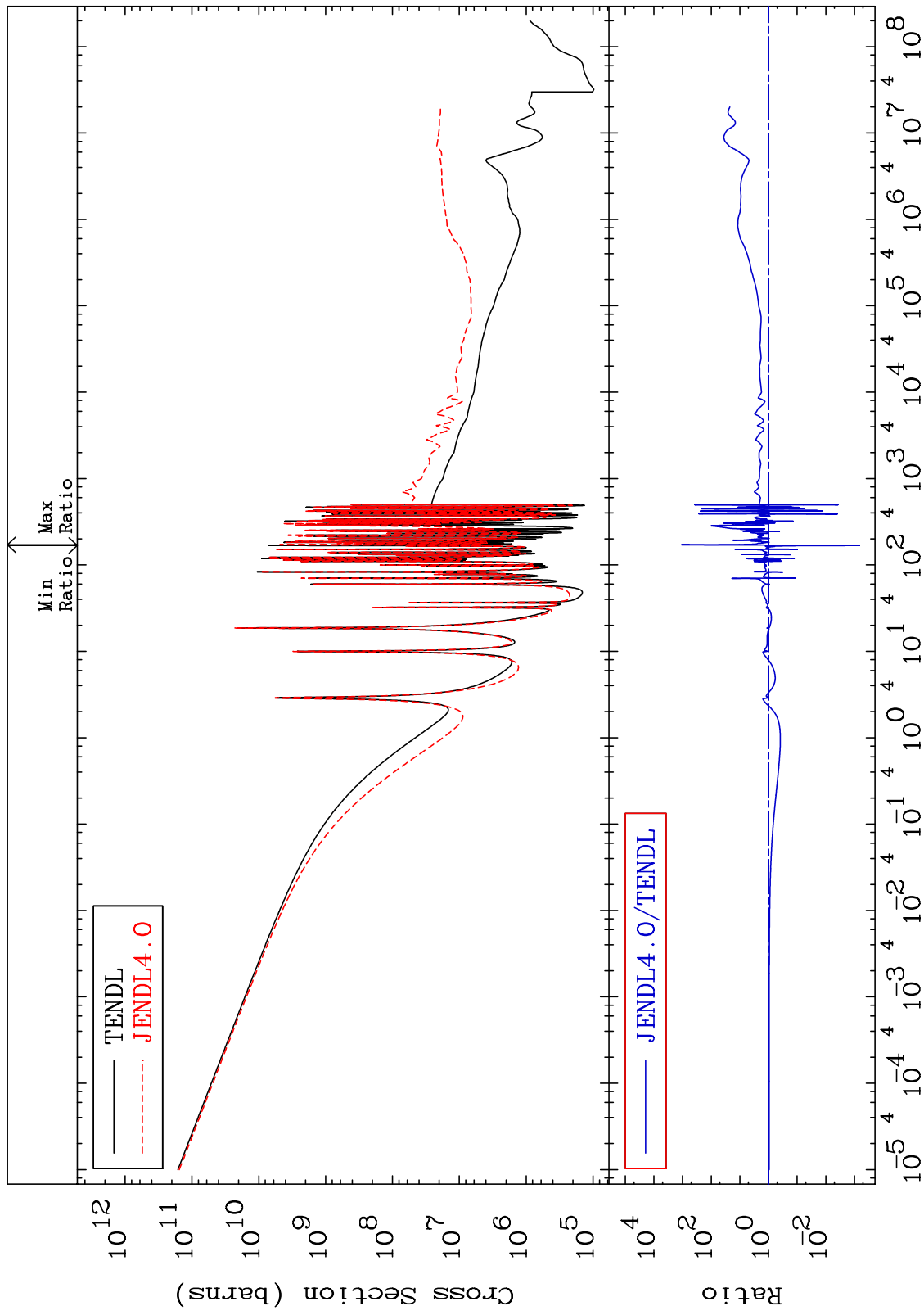
94-Pu-238  
-99.93 To 9999. %



MAT 9434

Total photon (eV-barns)  
Cross Section

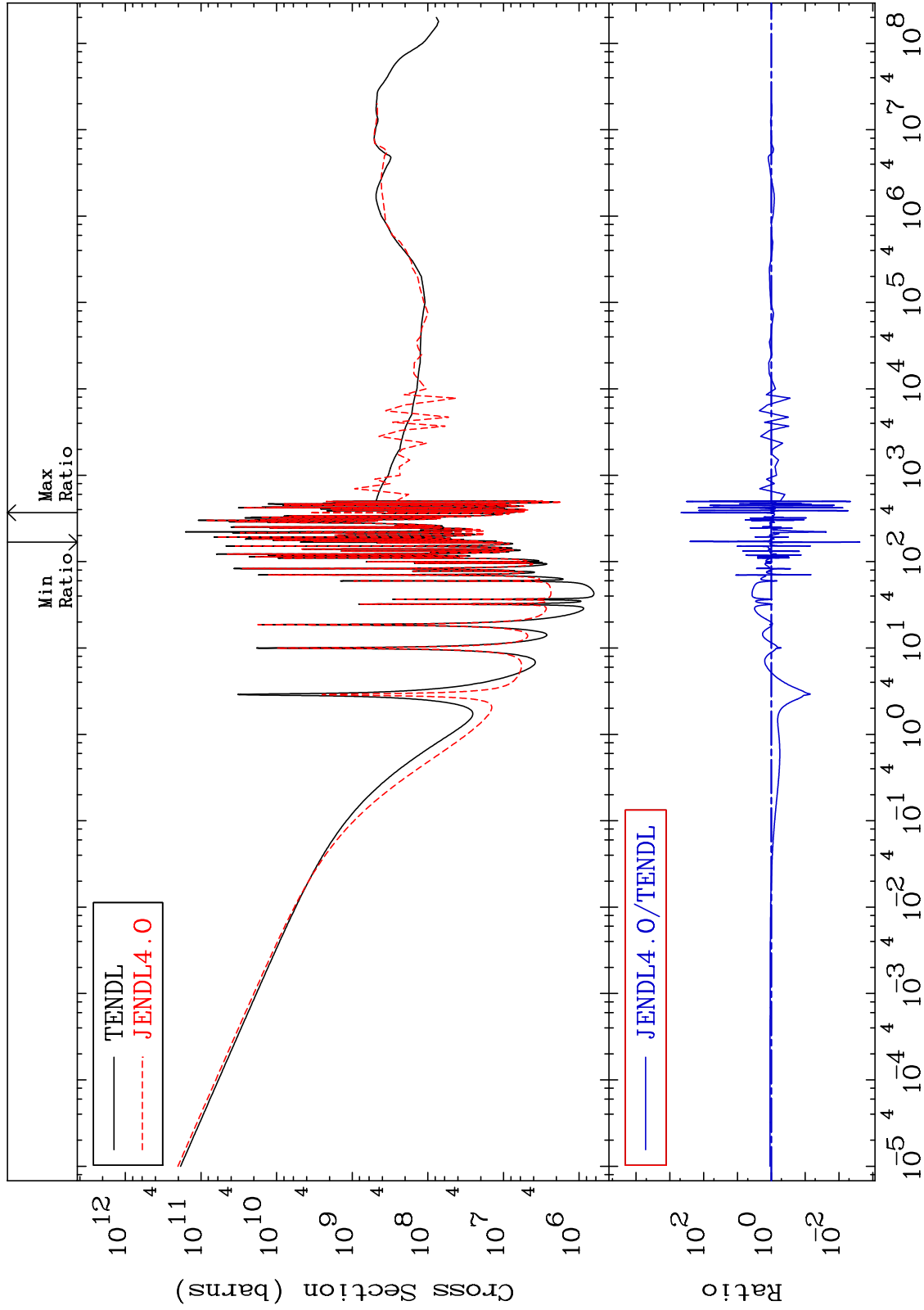
94-Pu-238  
-99.93 To 9999. %



MAT 9434

Total kinematic kerma (high limit)  
Cross Section

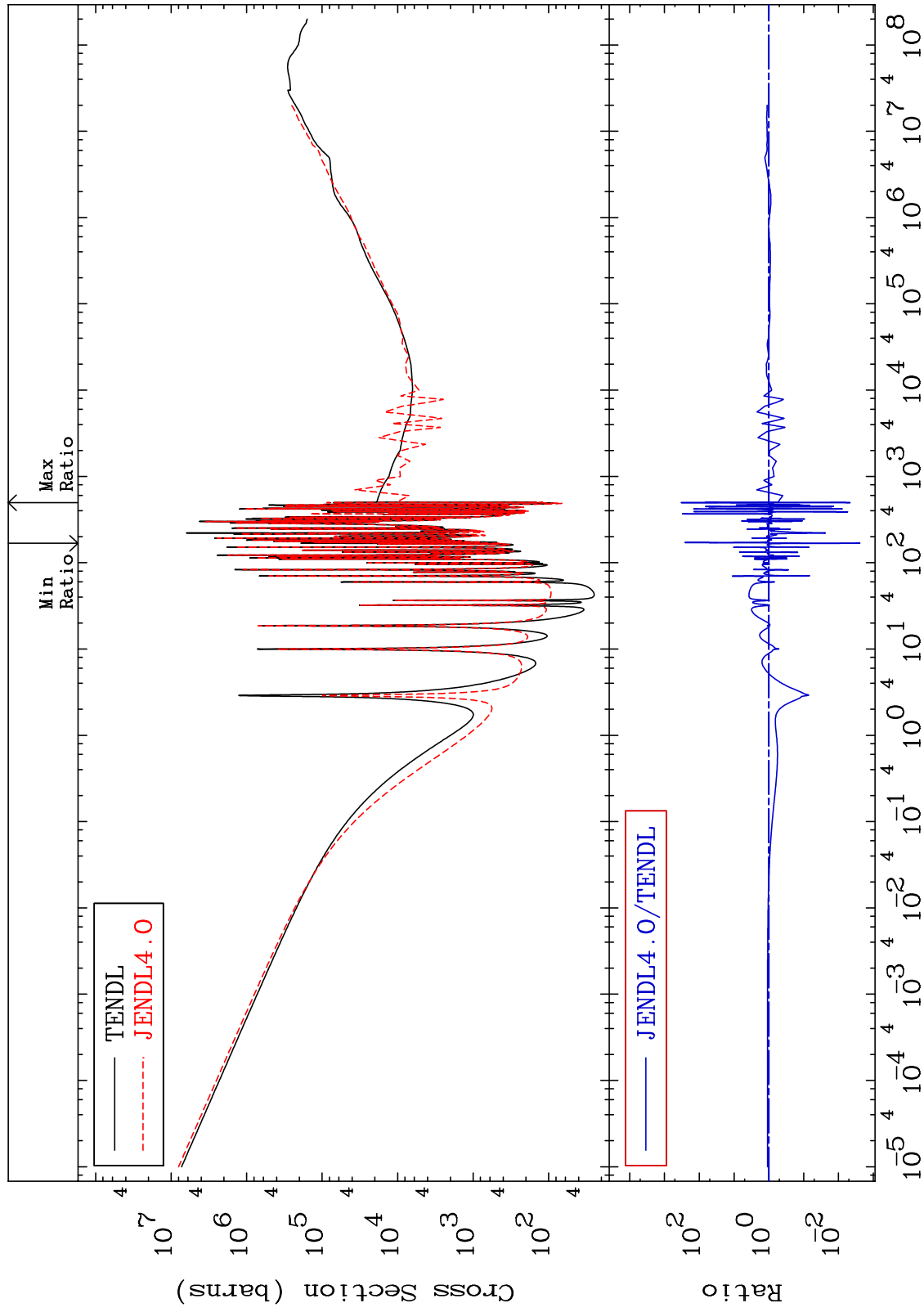
94-Pu-238  
-99.76 To 9999. %



MAT 9434

Dpa total (eV-barns)  
Cross Section

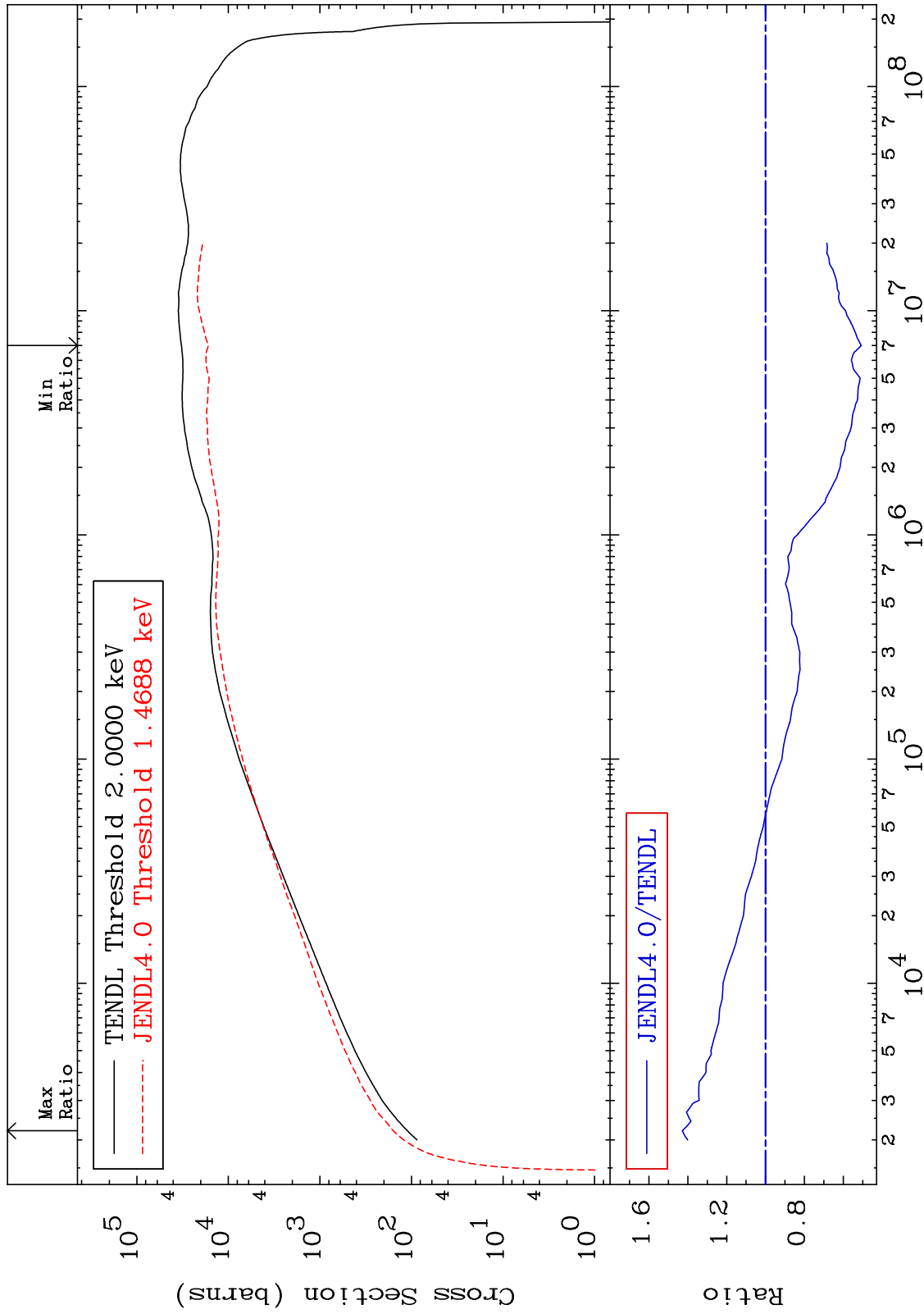
94-Pu-238  
-99.76 To 9999. %



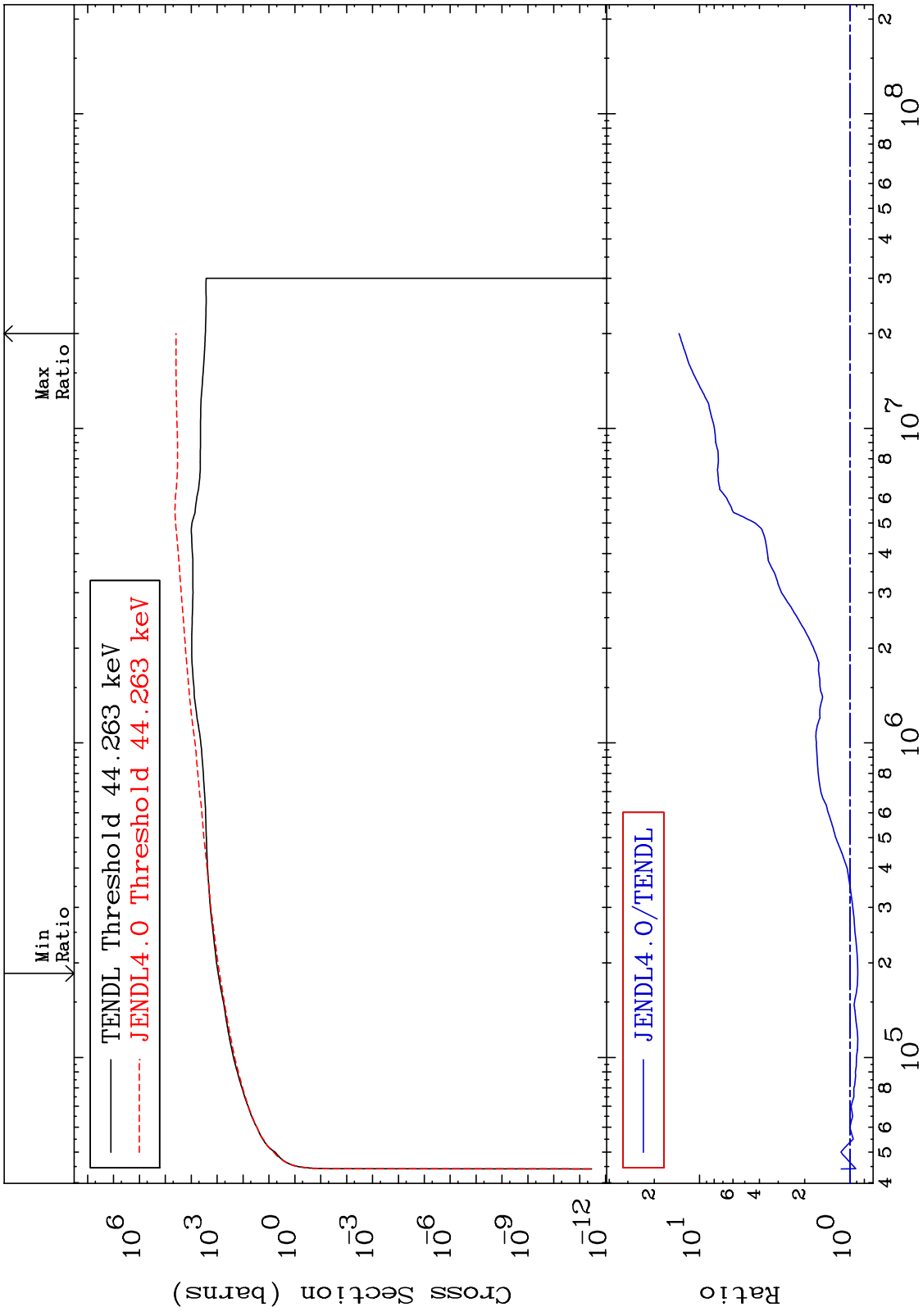
MAT 9434

Dpa elastic (mt2)  
Cross Section

94-Pu-238  
-49.24 To 42.74 %

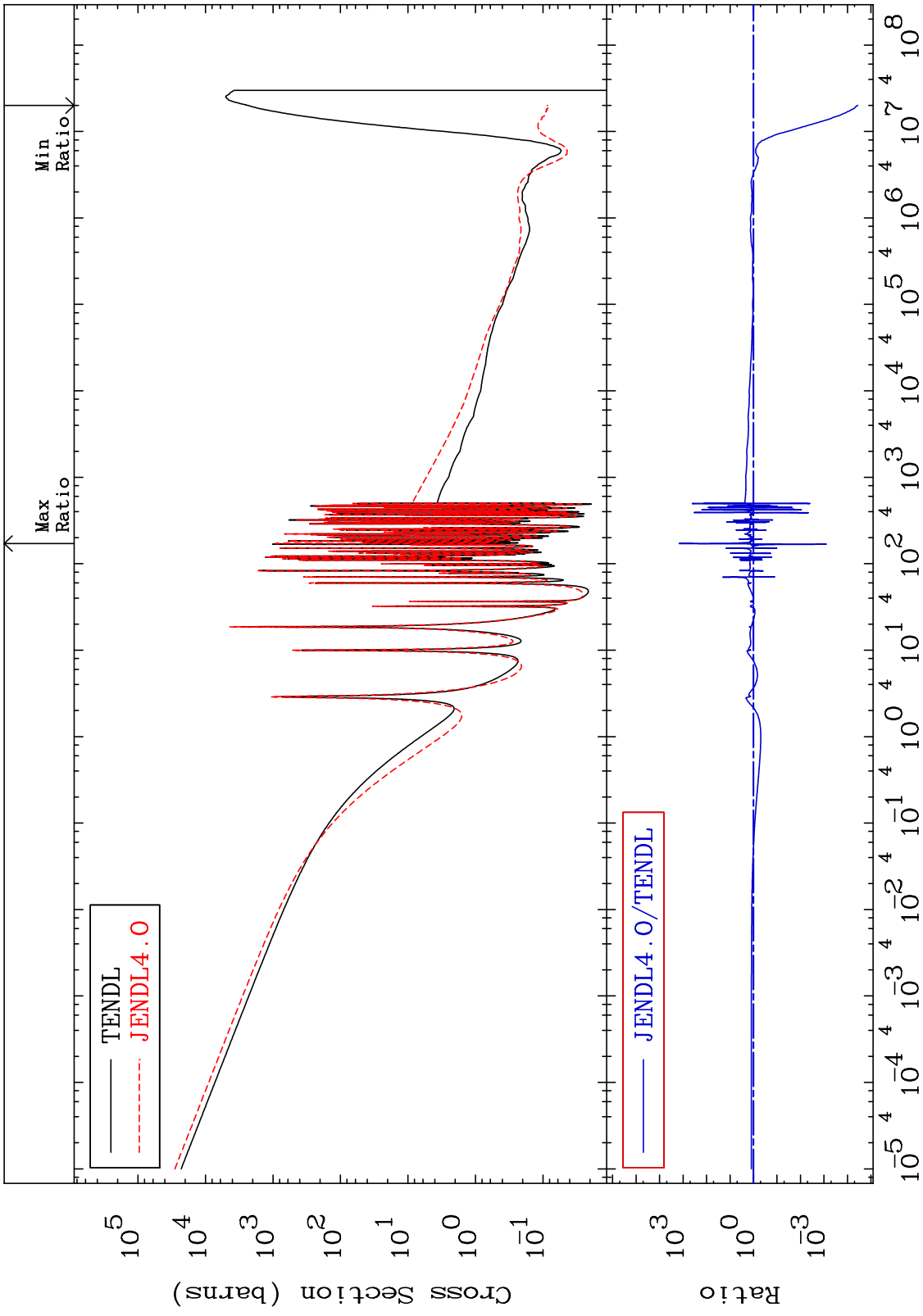


MAT 9434      Dpa inelastic (mt51-91)      94-Pu-238  
 Cross Section      -11.52 To 1270. %





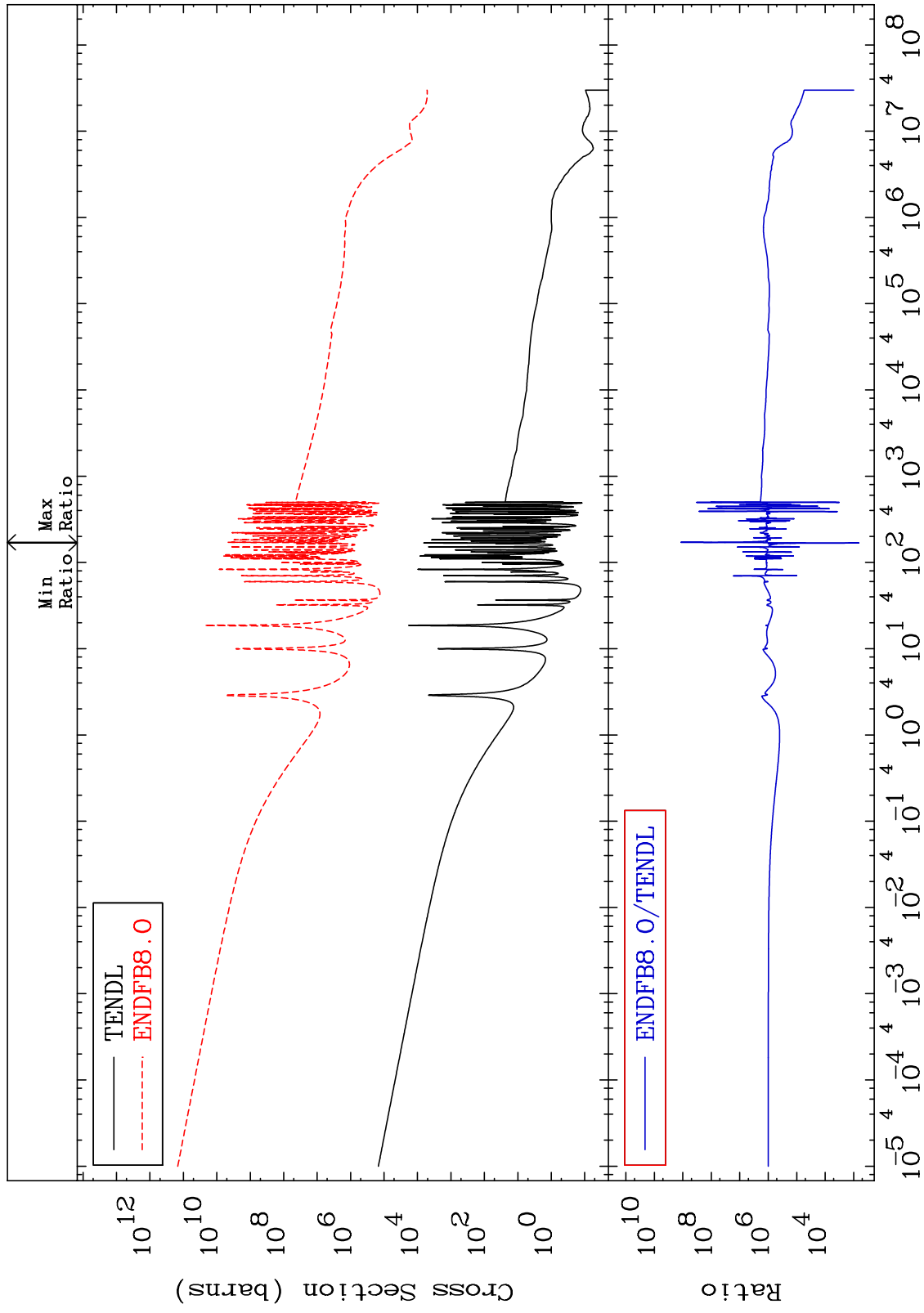
MAT 9434      Dpa disappearance (mt102 -120)      94-Pu-238  
 Cross Section      -100.0 To 9999. %



MAT 9434

Kerma capture (mt102)  
Cross Section

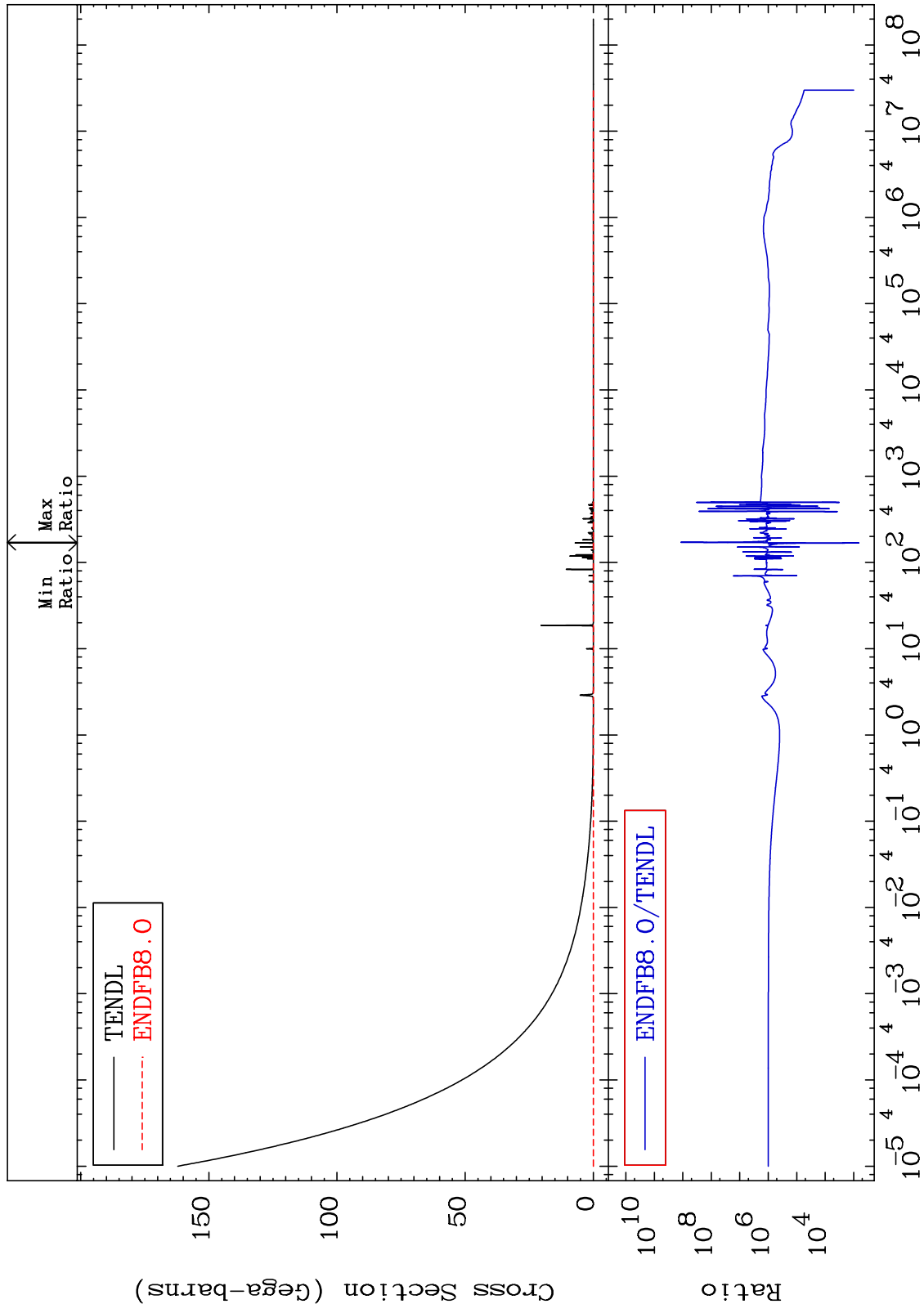
94-Pu-238  
9999. To 9999. %



MAT 9434

Total photon (eV-barns)  
Cross Section

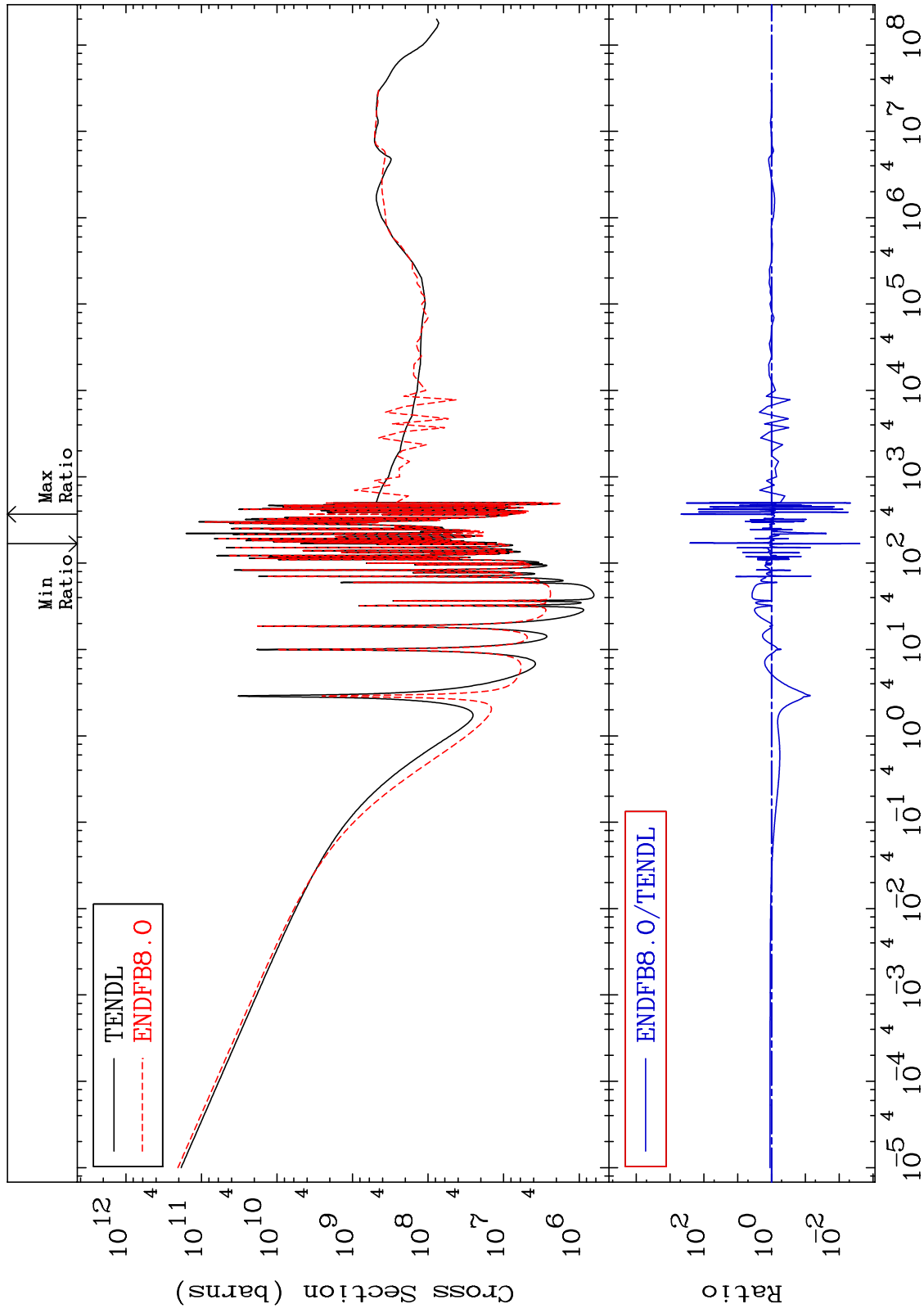
94-Pu-238  
9999. To 9999. %



MAT 9434

Total kinematic kerma (high limit)  
Cross Section

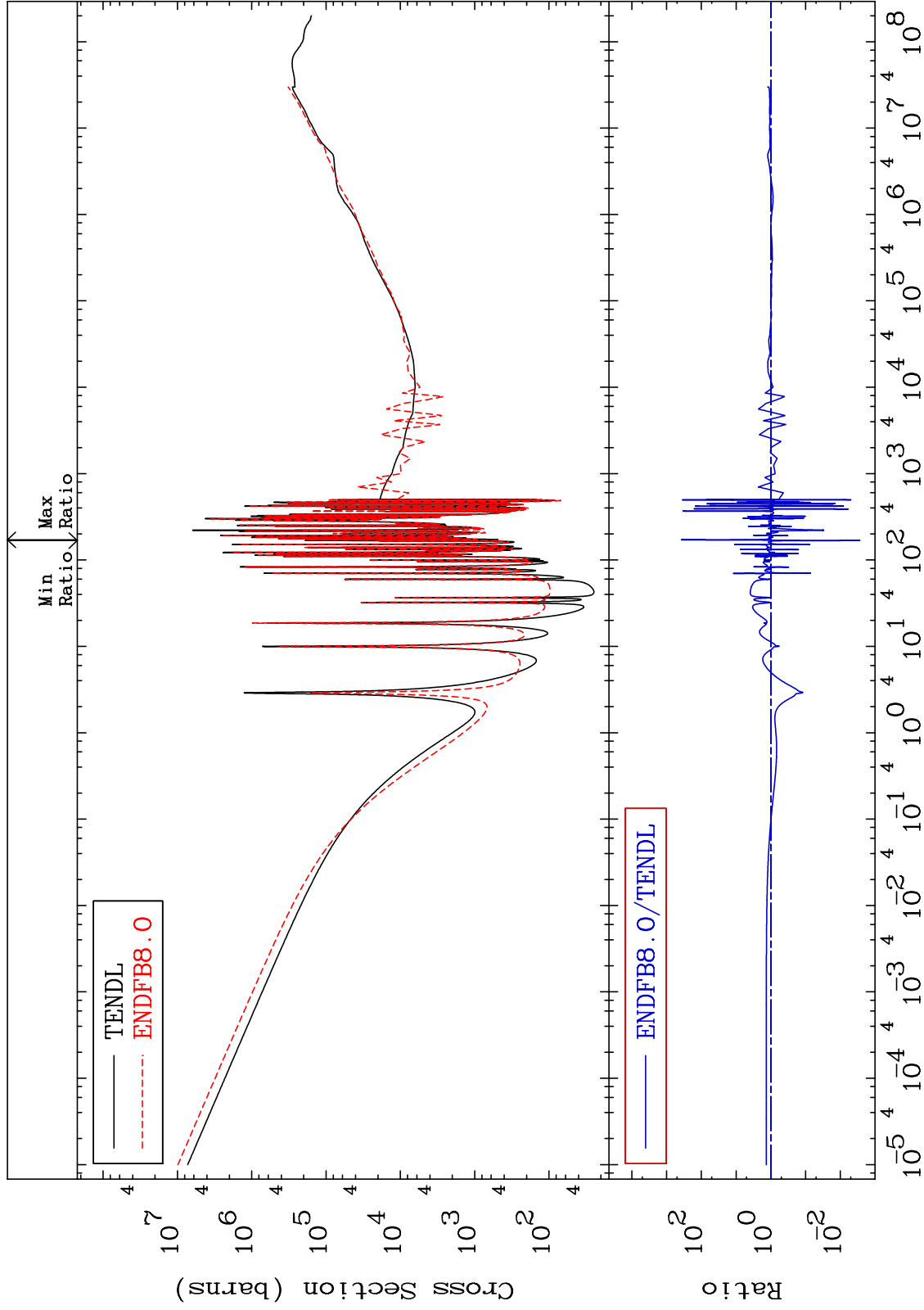
94-Pu-238  
-99.75 To 9999. %



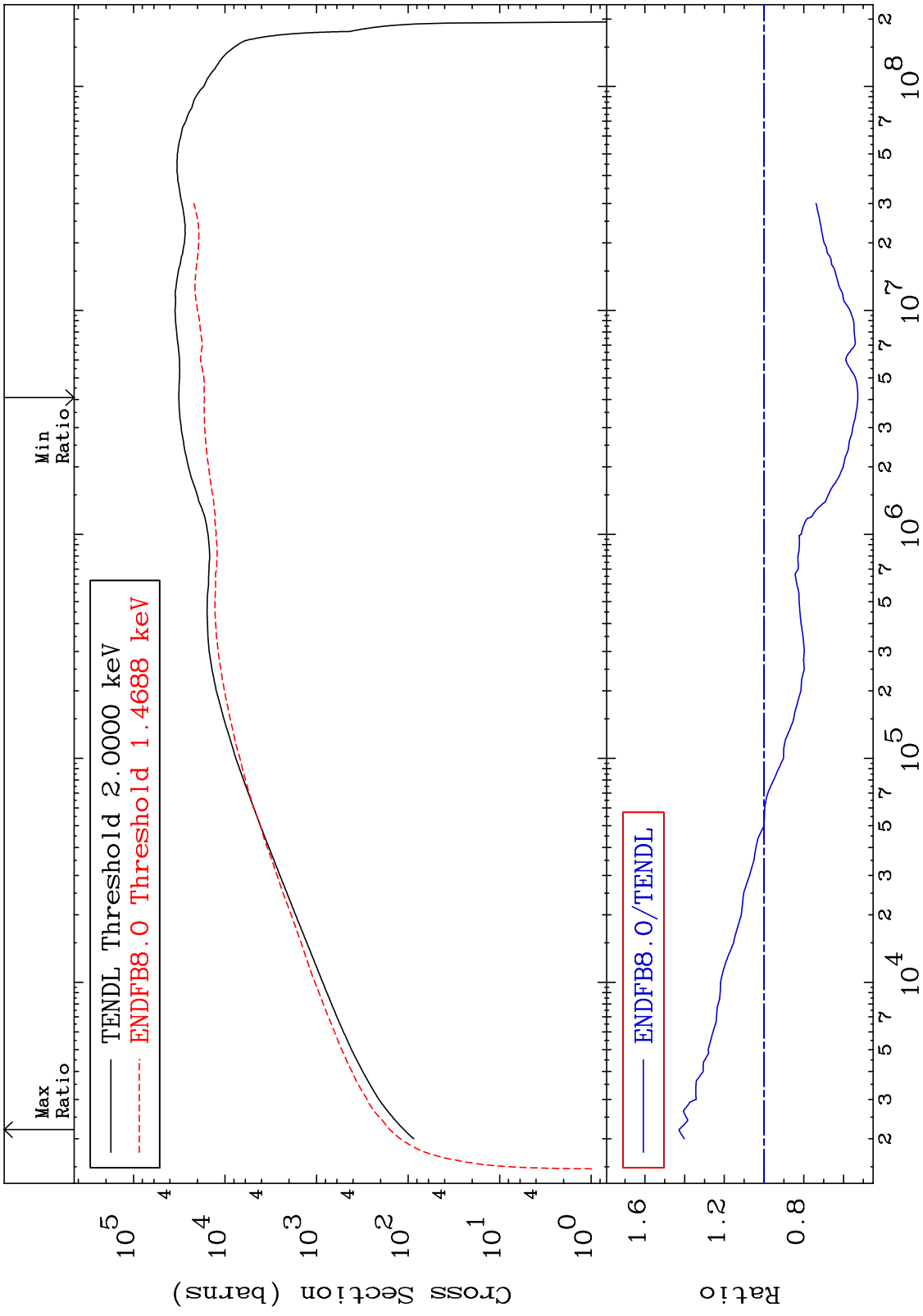
MAT 9434

Dpa total (eV-barns)  
Cross Section

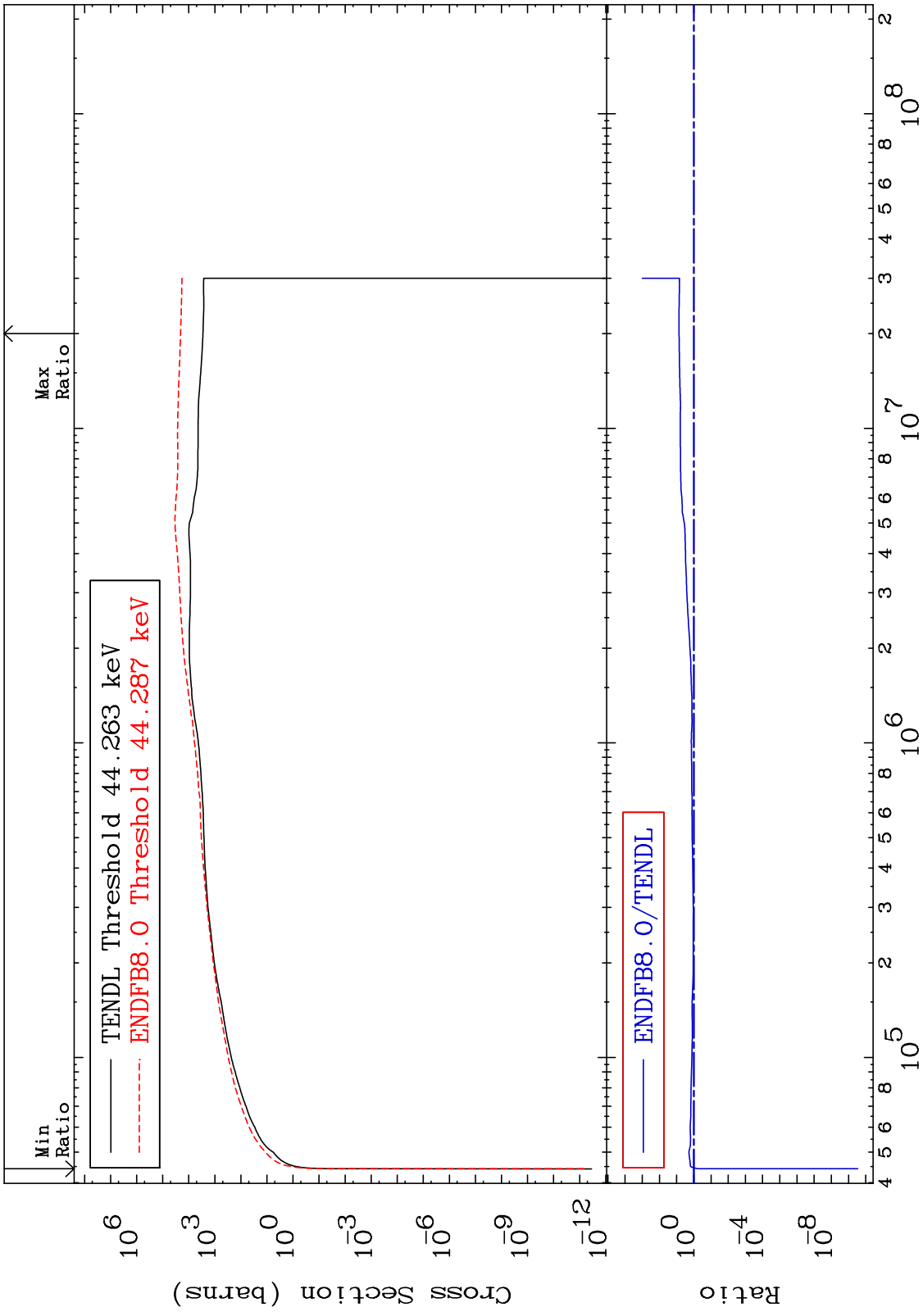
94-Pu-238  
-99.73 To 9999. %



MAT 9434      Dpa elastic (mt2)      94-Pu-238  
 Cross Section      -47.23 To 42.80 %



MAT 9434      Dpa inelastic (mt51-91)      94-Pu-238  
 Cross Section      -100.0 To 625.2 %



MAT 9434

Dpa disappearance (mt102 -120)  
Cross Section

94-Pu-238  
-99.73 To 9999. %

