

Program Complot  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

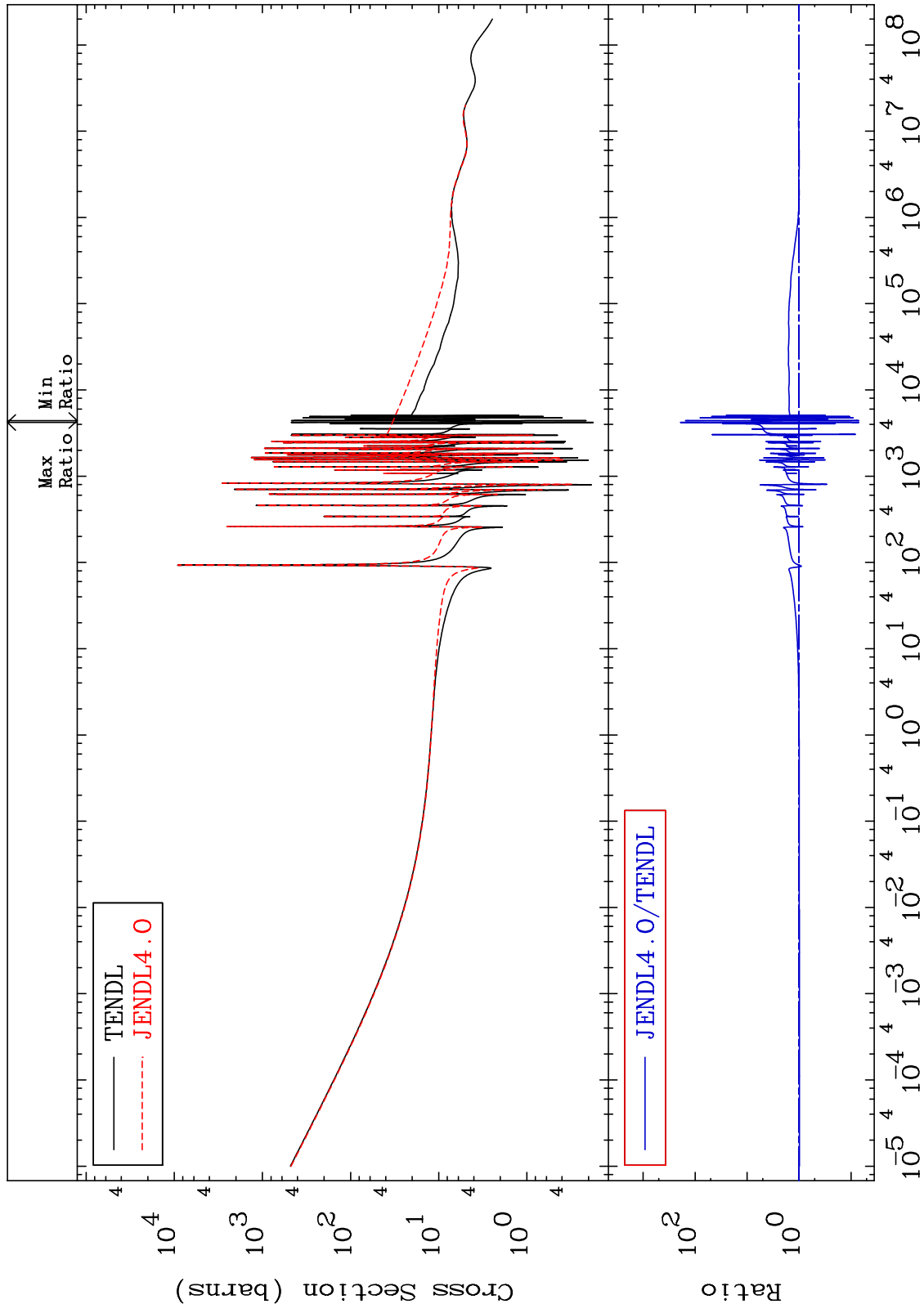
U.S.A.

Tele: 925-443-1911

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

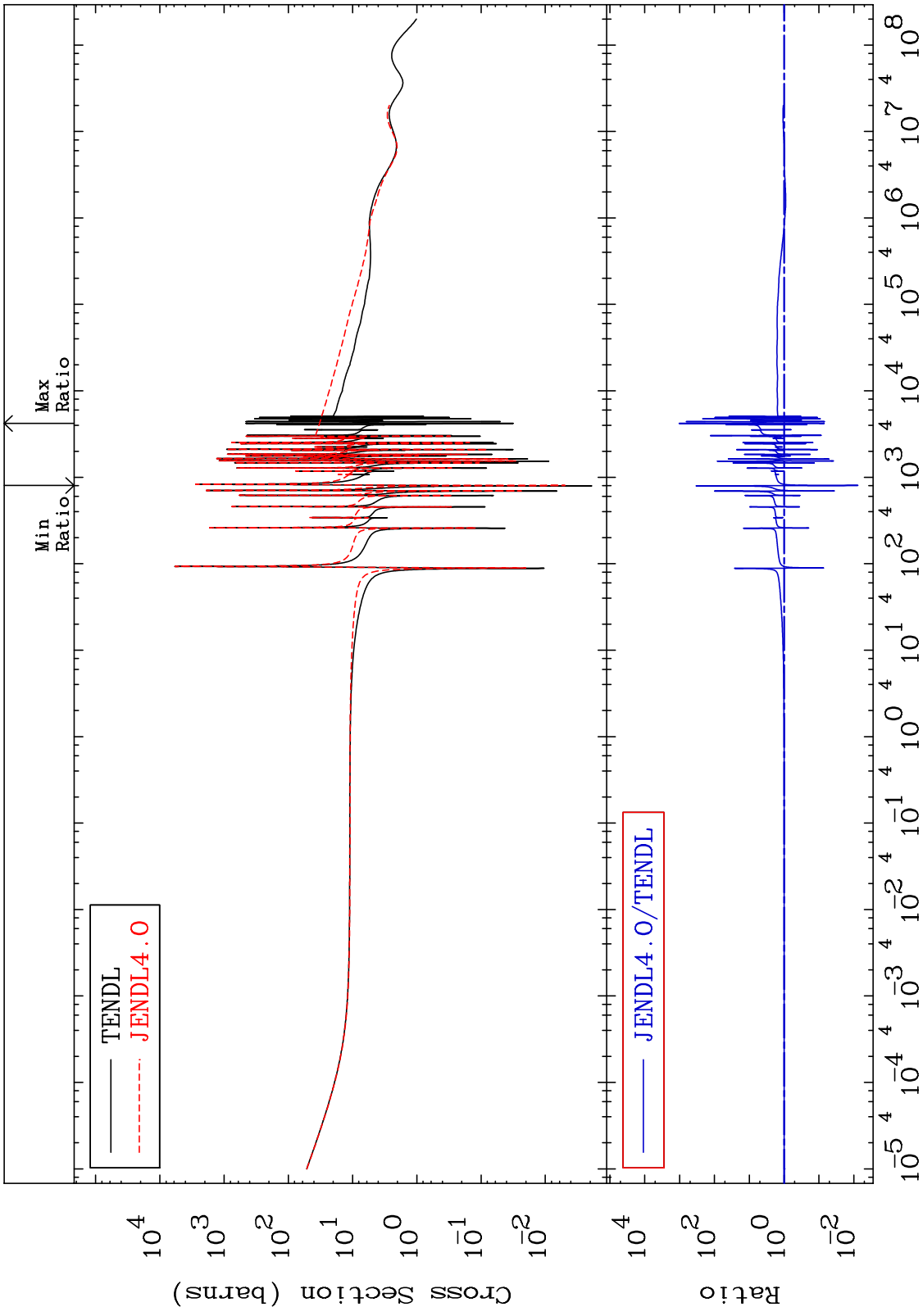
Press Mouse Button to Start

MAT 6255 Total Cross Section 62-Sm-154 -92.98 To 9999. %



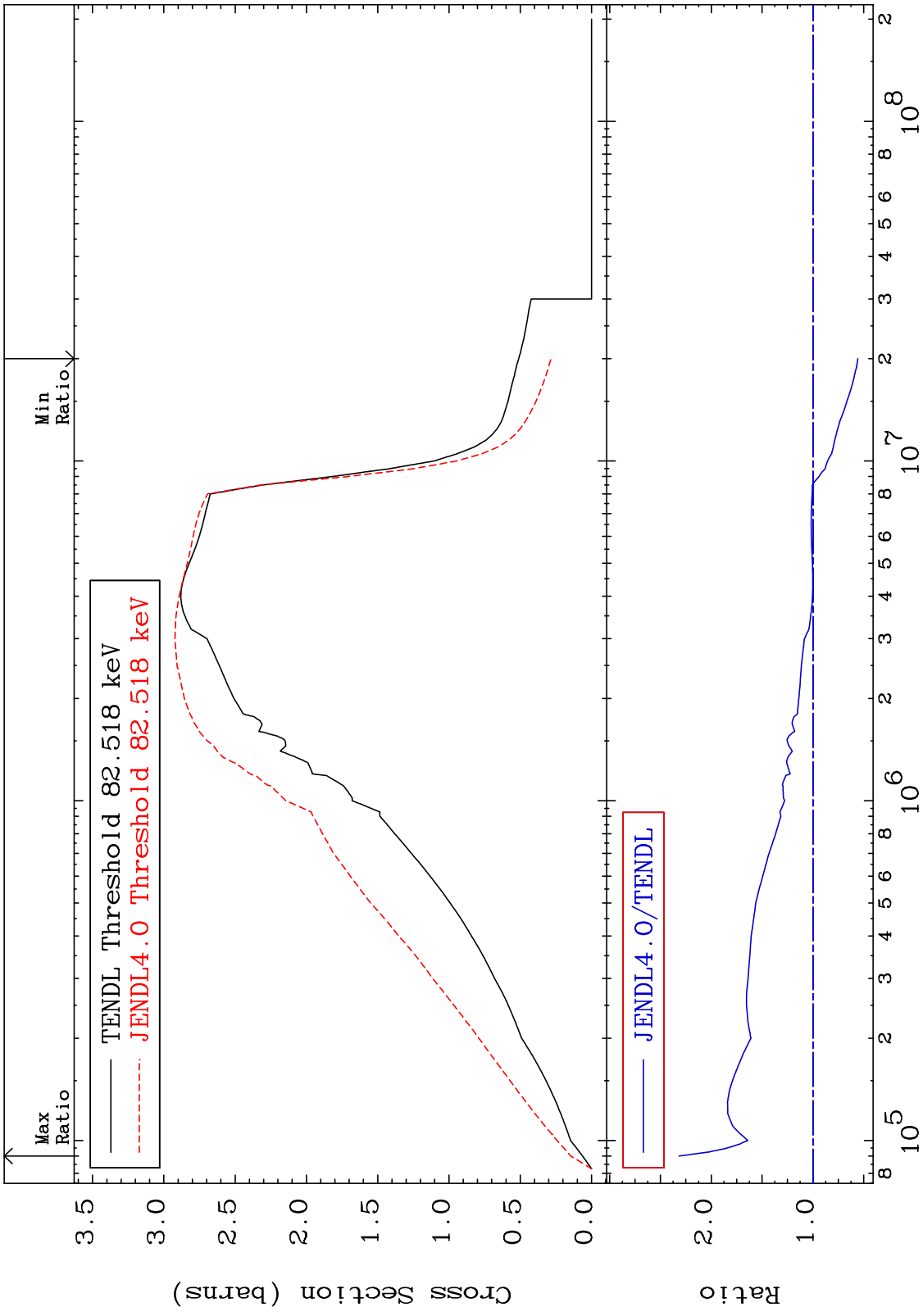
1 Incident Energy (eV) 62-Sm-154

MAT 6255 Elastic Cross Section 62-Sm-154 -99.23 To 9999. %



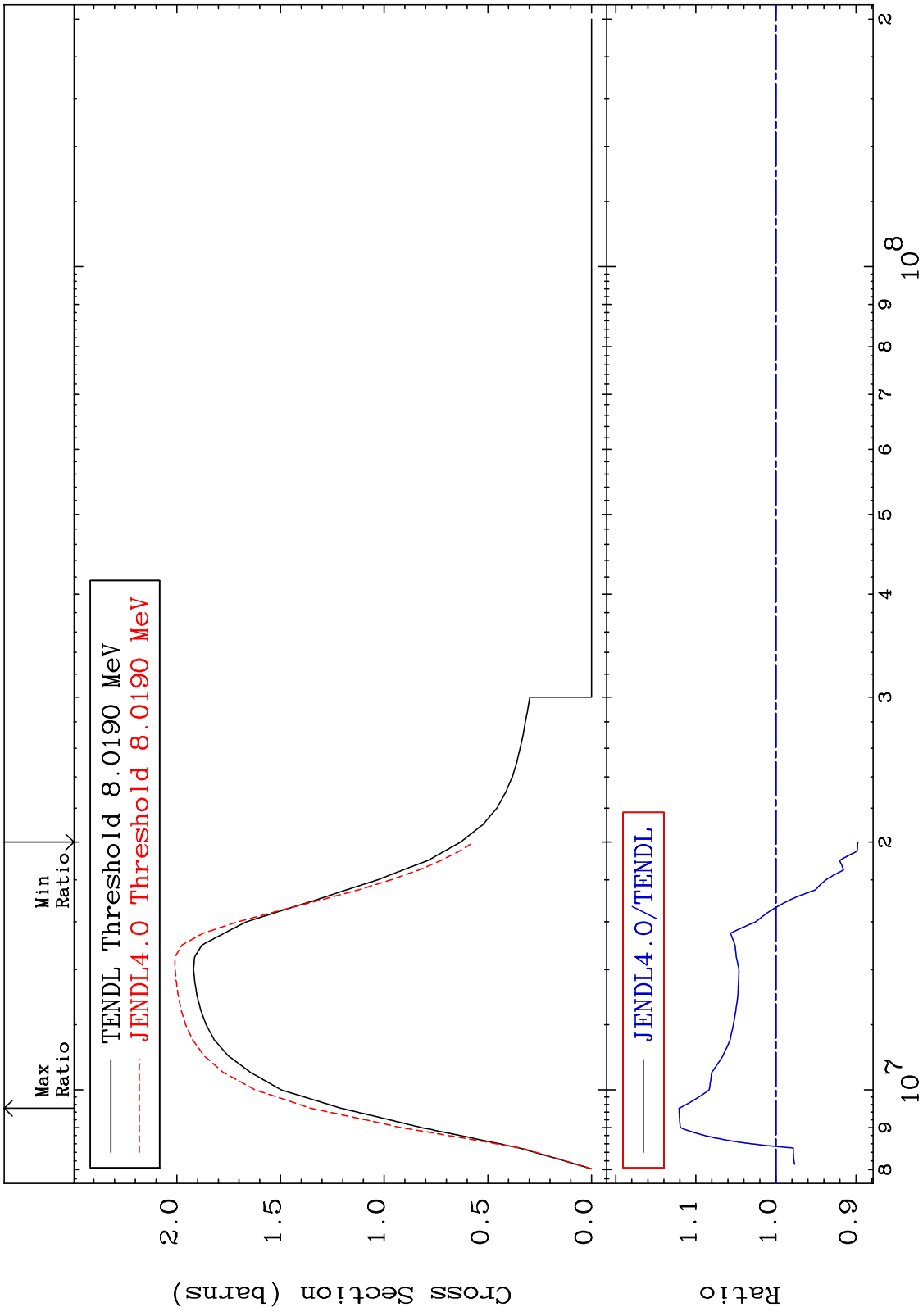
2 Incident Energy (eV) 62-Sm-154

MAT 6255 Inelastic Cross Section 62-Sm-154 -44.23 To 131.7 %

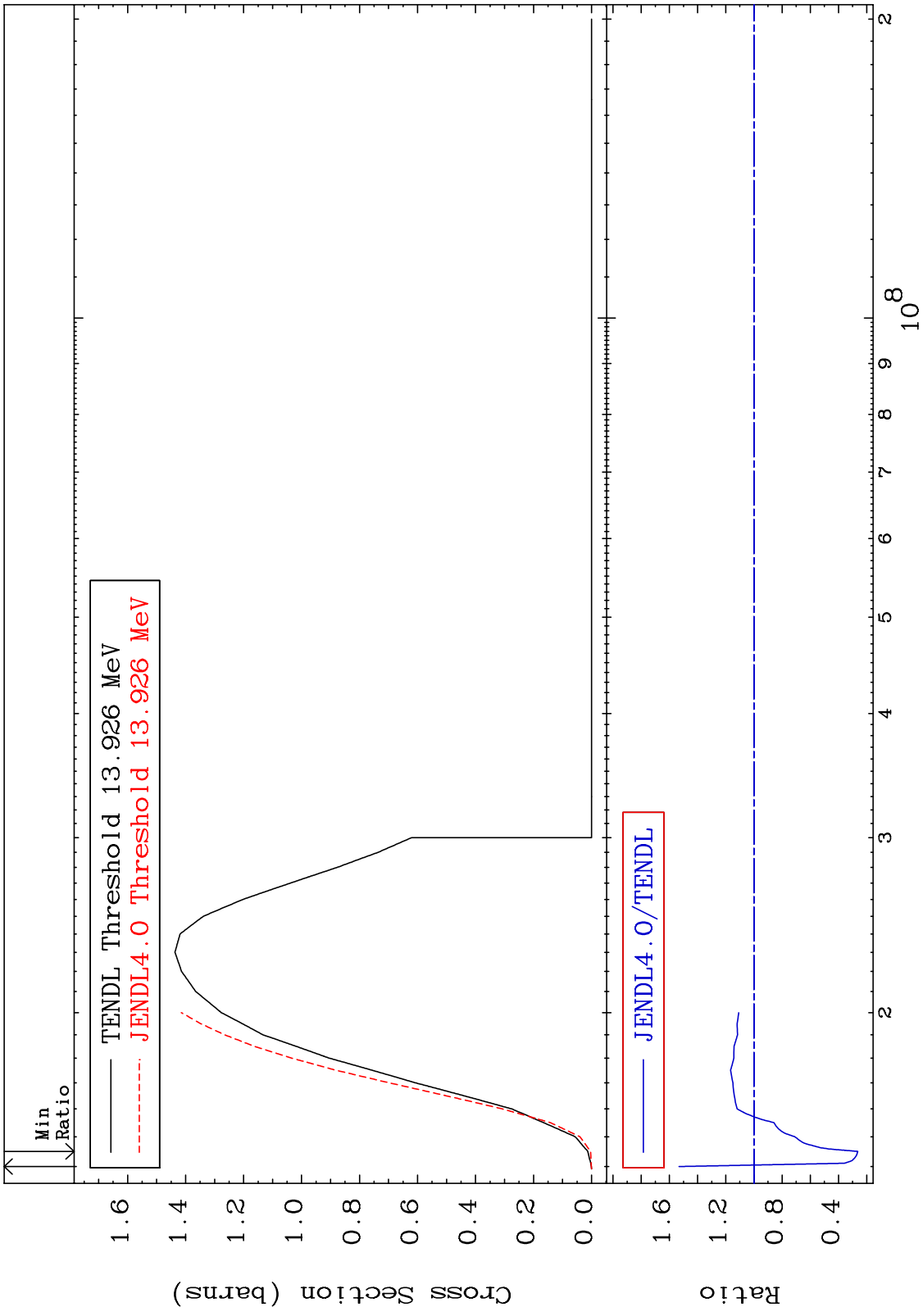


3 Incident Energy (eV) 62-Sm-154

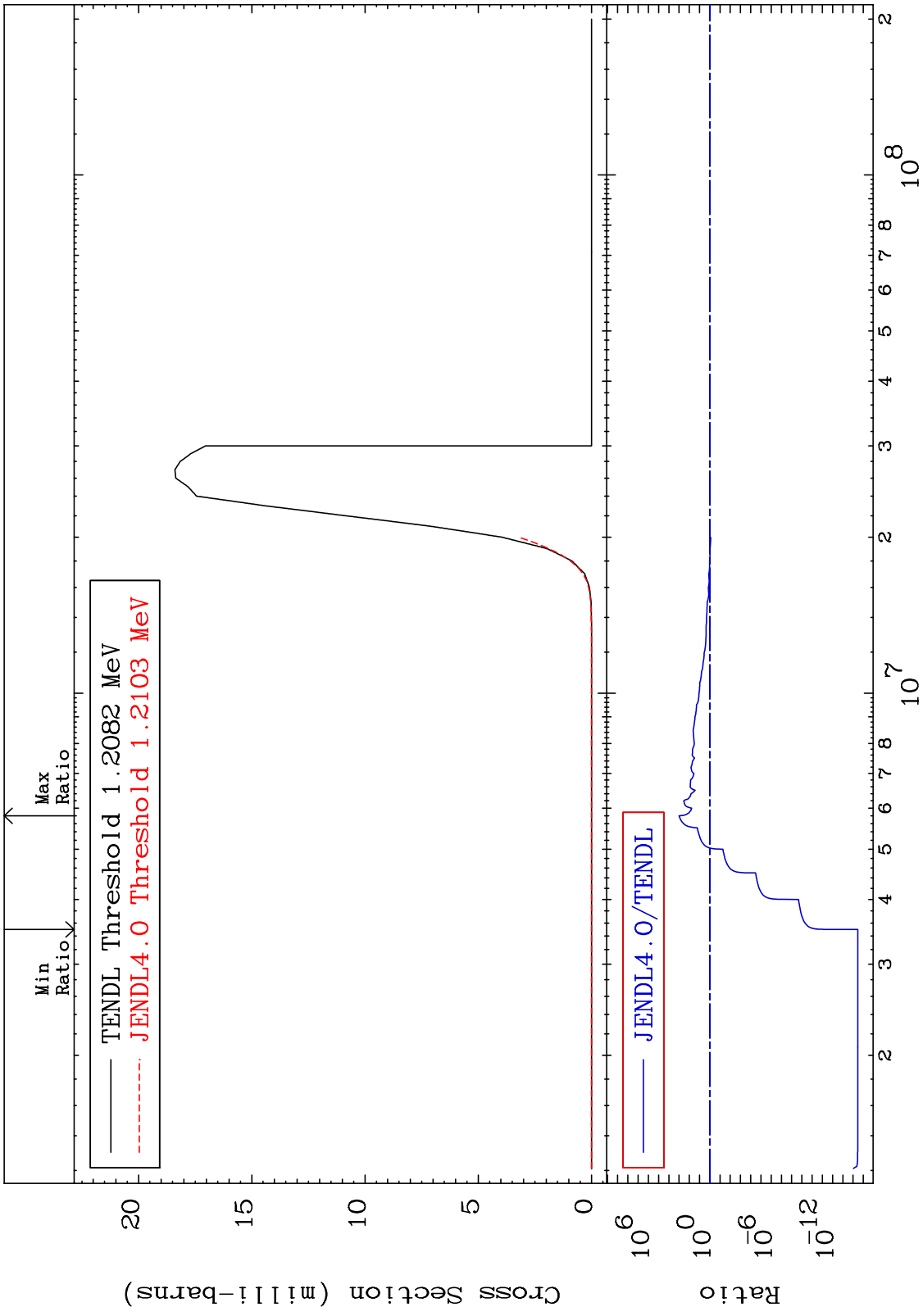
MAT 6255 (n,2n) Cross Section 62-Sm-154 -10.23 To 12.10 %



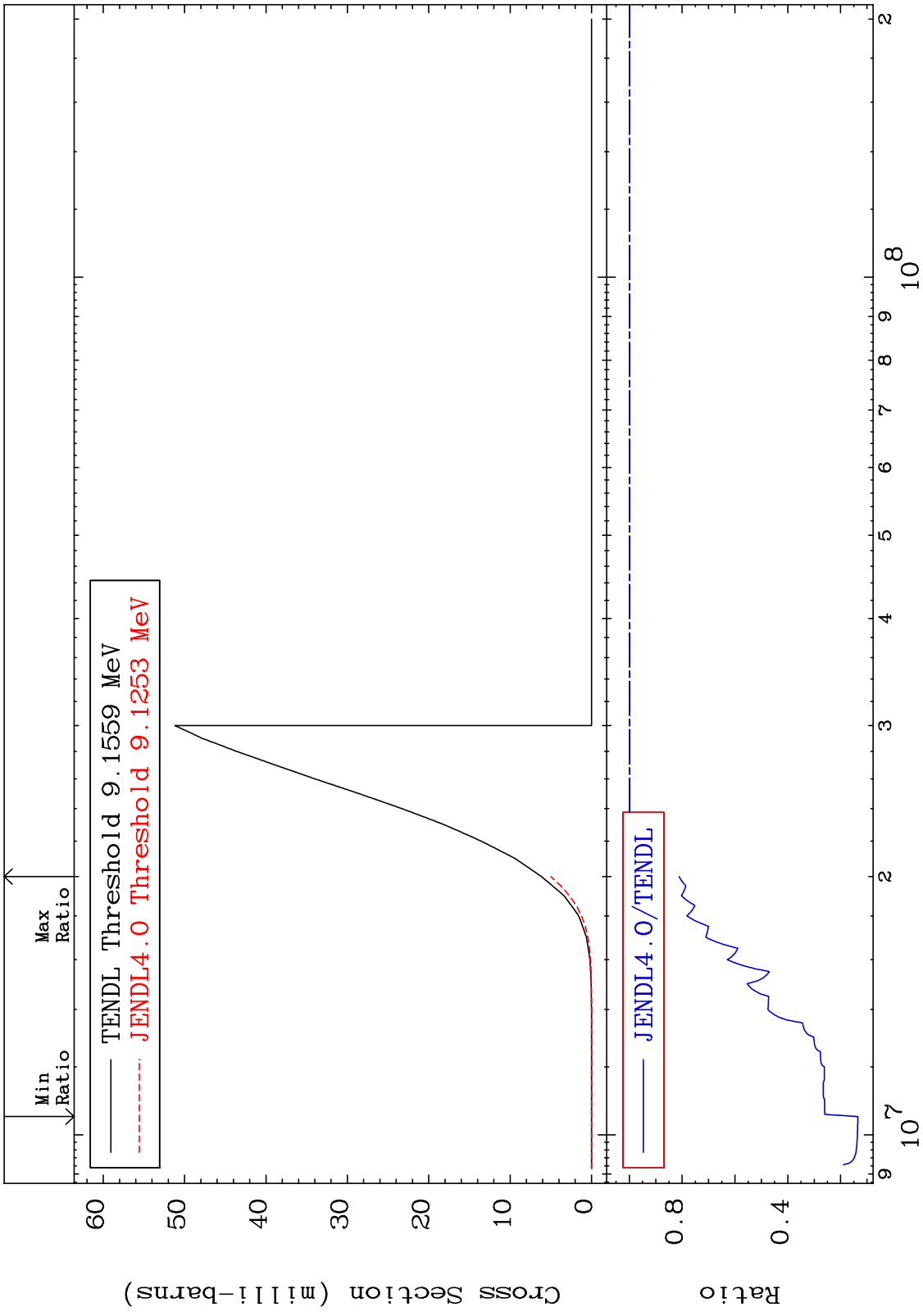
MAT 6255 (n,3n) Cross Section 62-Sm-154 -73.74 To 53.15 %



MAT 6255  $(n, n') \alpha$  62-Sm-154  
 Cross Section -100.0 To 9999. %



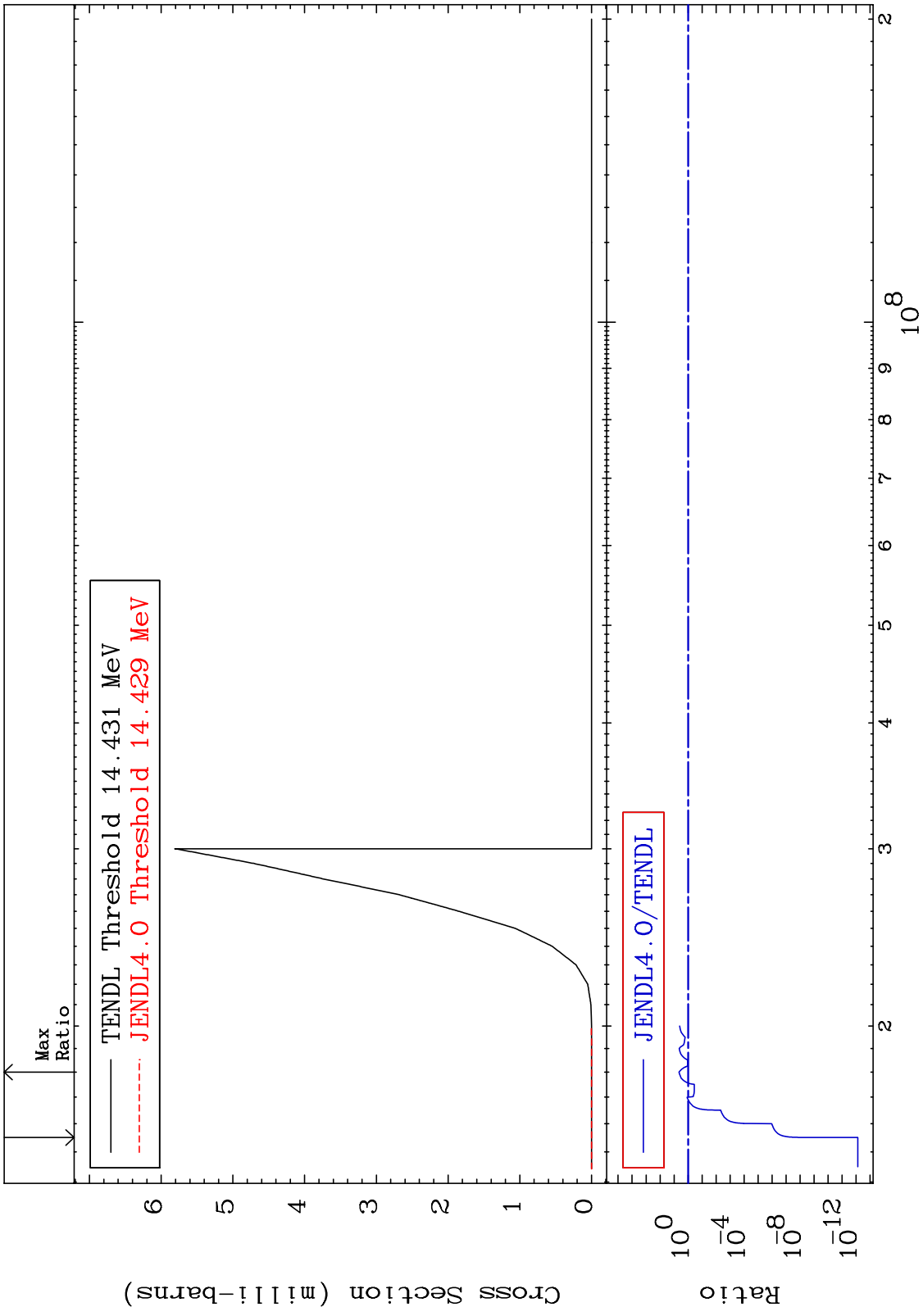
MAT 6255 (n,n') p Cross Section 62-Sm-154 -86.52 To -18.83%



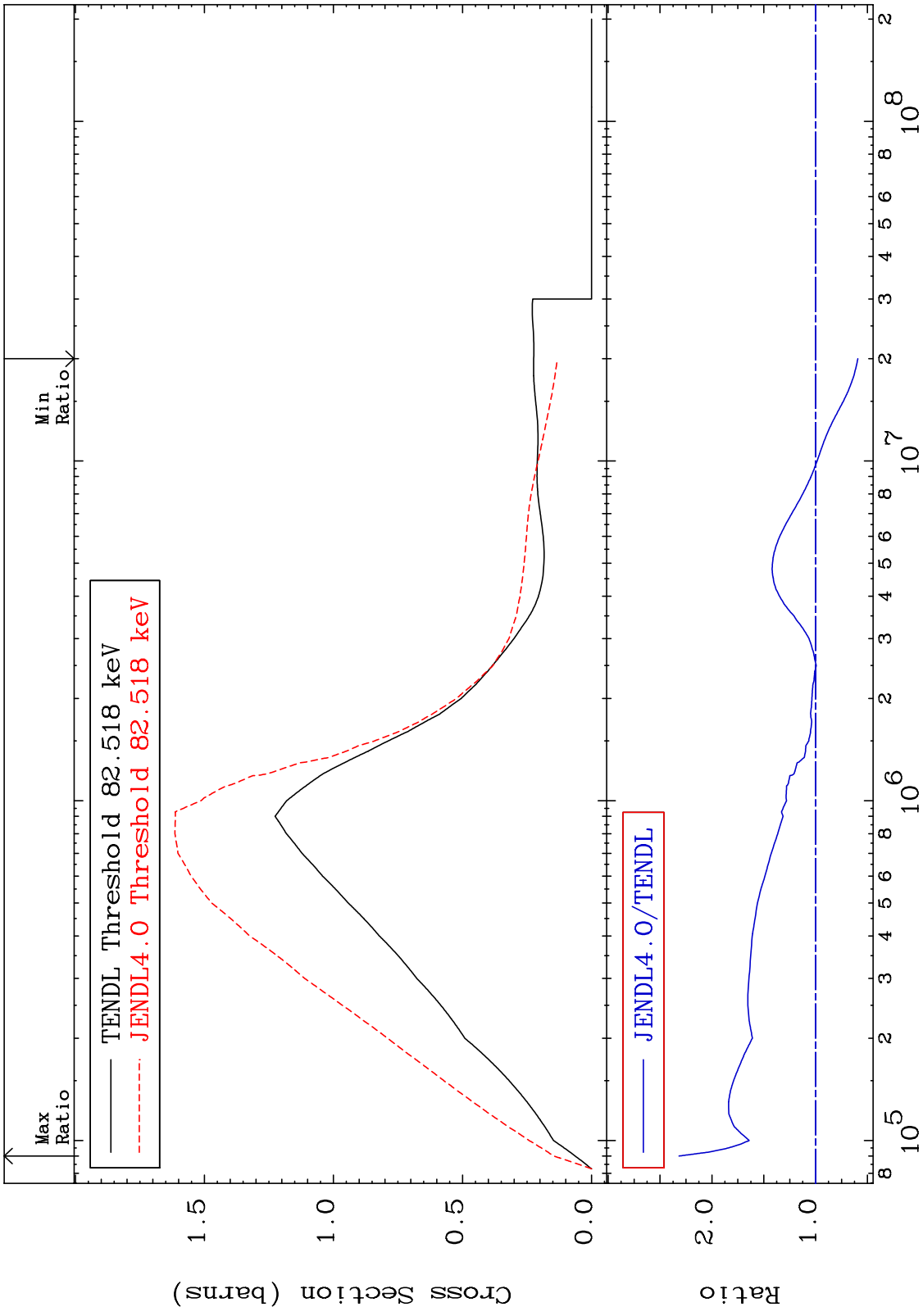
Incident Energy (eV) 62-Sm-154



MAT 6255 (n,n') d 62-Sm-154  
 Cross Section -100.0 To 343.1 %

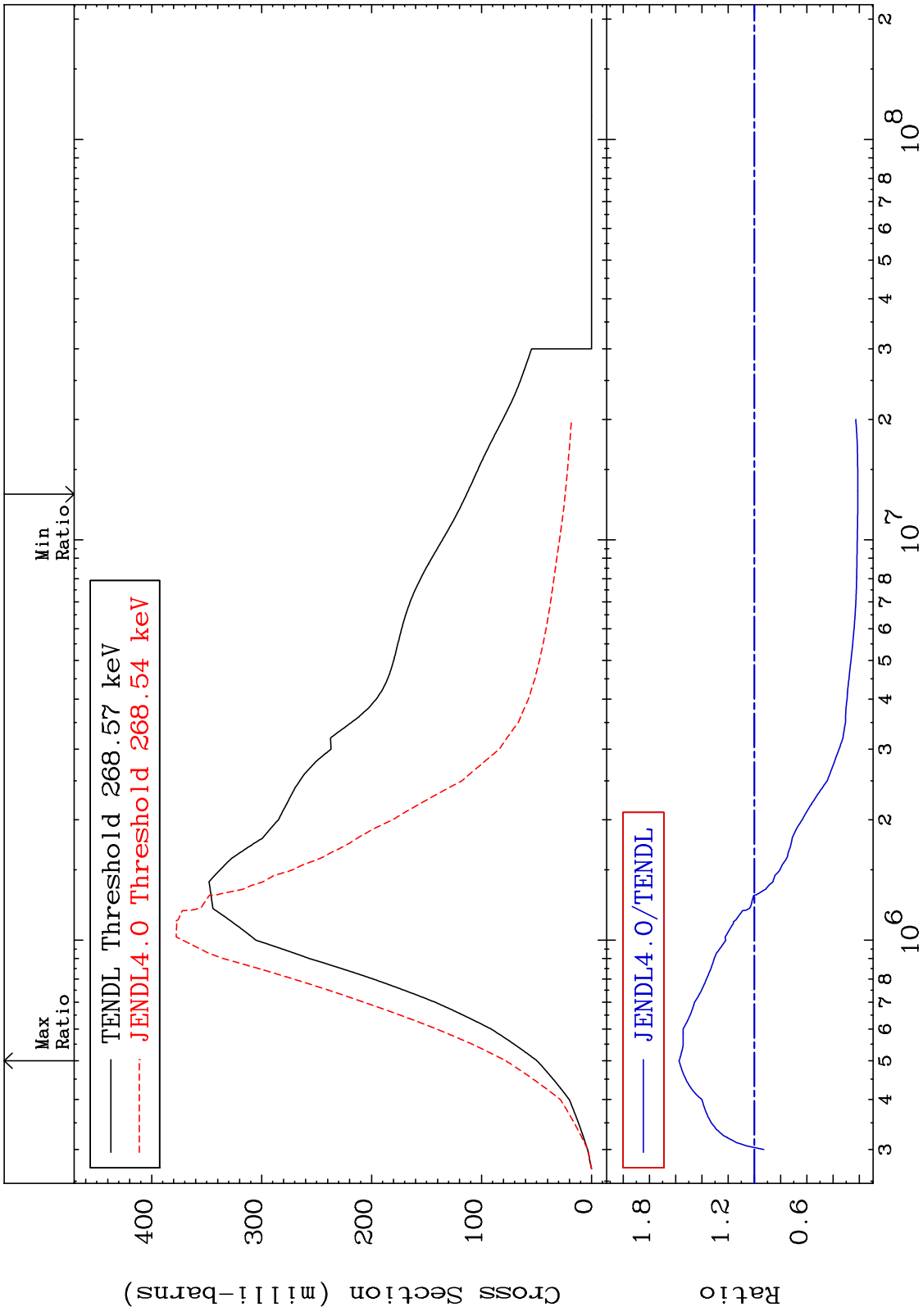


MAT 6255 MT= 51 (n,n') Level Cross Section 62-Sm-154 -40.68 To 131.7 %



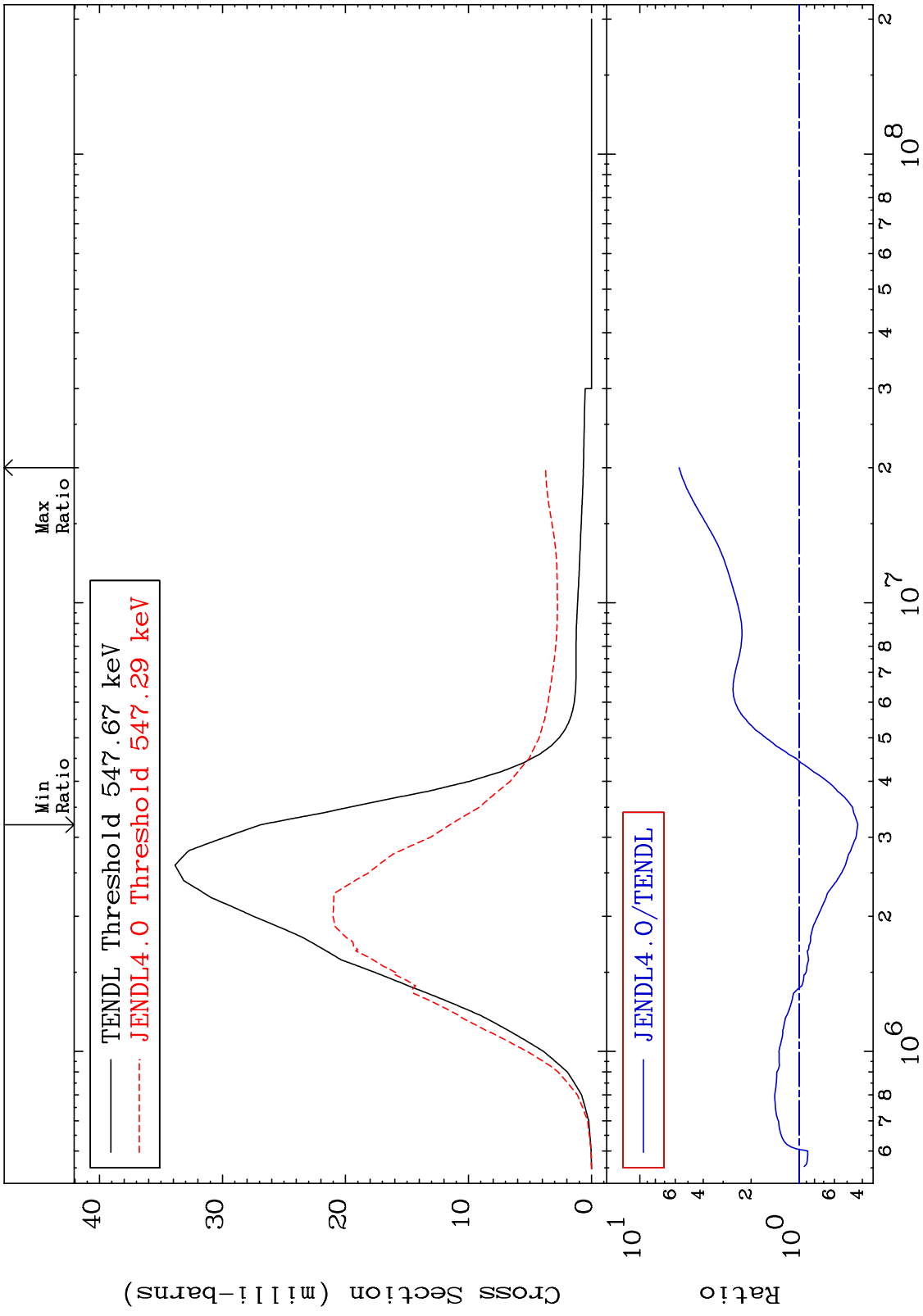
9 Incident Energy (eV) 62-Sm-154

MAT 6255      MT= 52 (n,n') Level Cross Section      62-Sm-154  
 -78.94 To 57.41 %

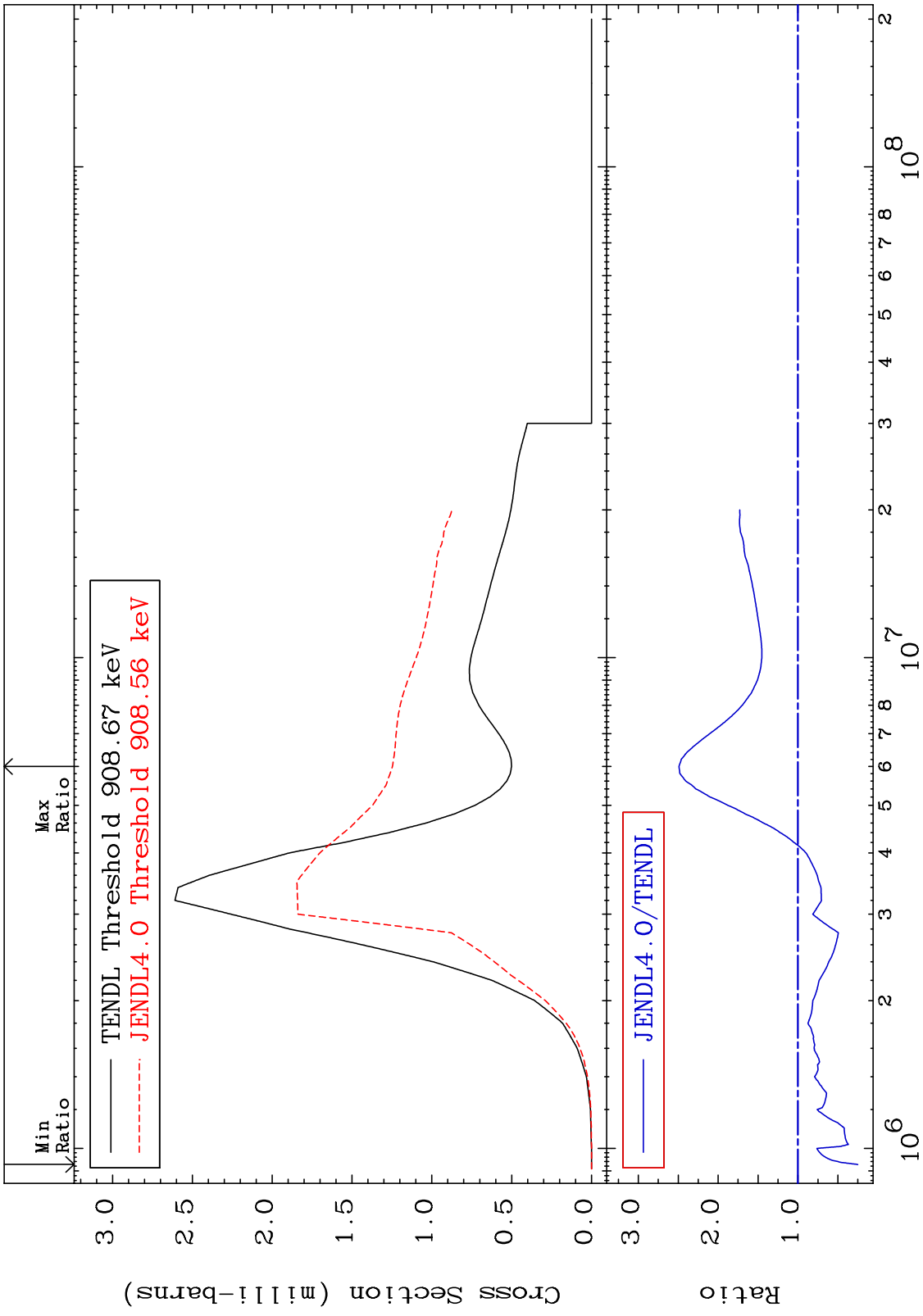


10      Incident Energy (eV)      62-Sm-154

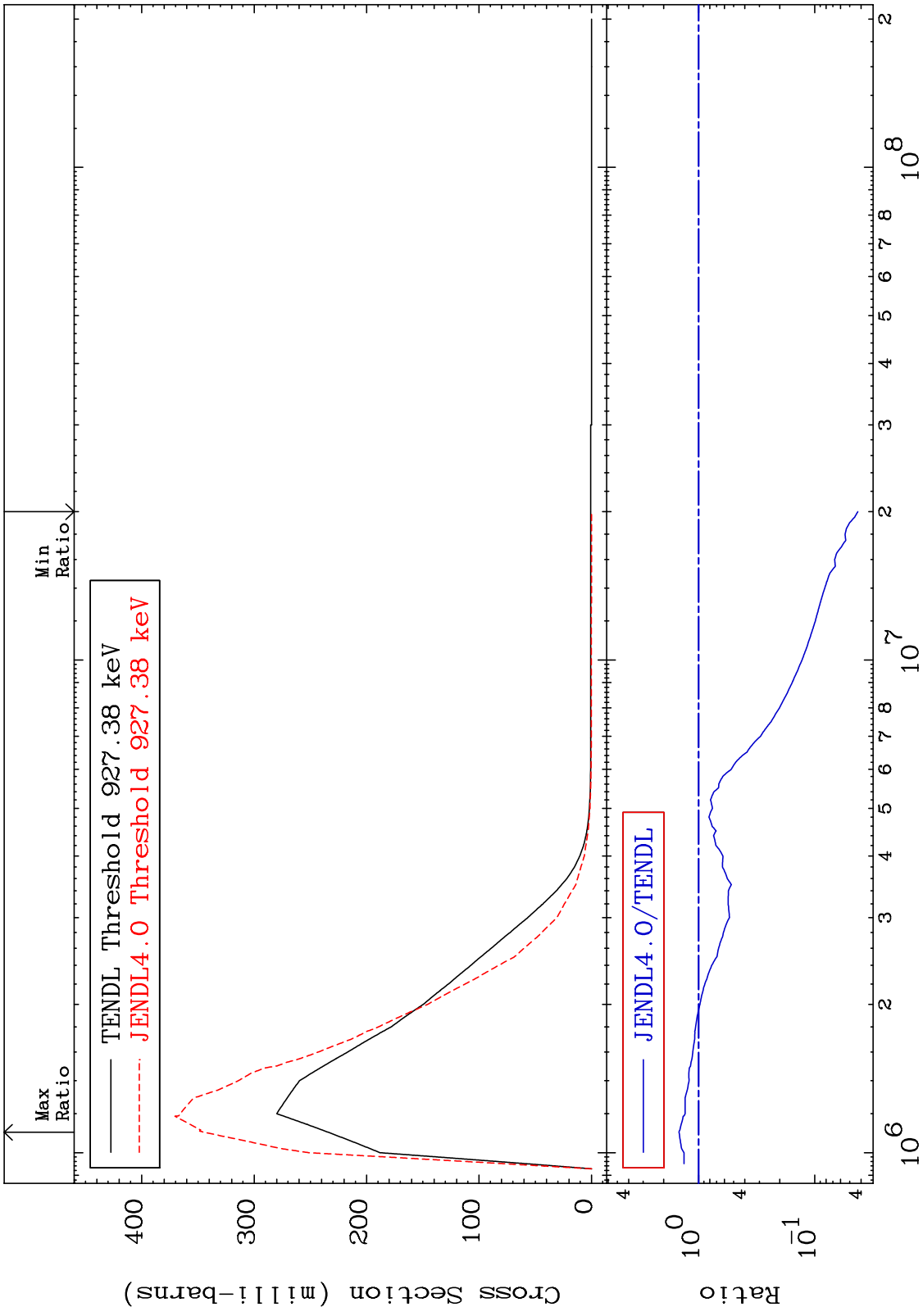
MAT 6255 MT= 53 (n,n') Level Cross Section 62-Sm-154  
 -57.22 To 467.9 %



MAT 6255 MT= 54 (n,n') Level Cross Section 62-Sm-154  
 -75.03 To 149.0 %

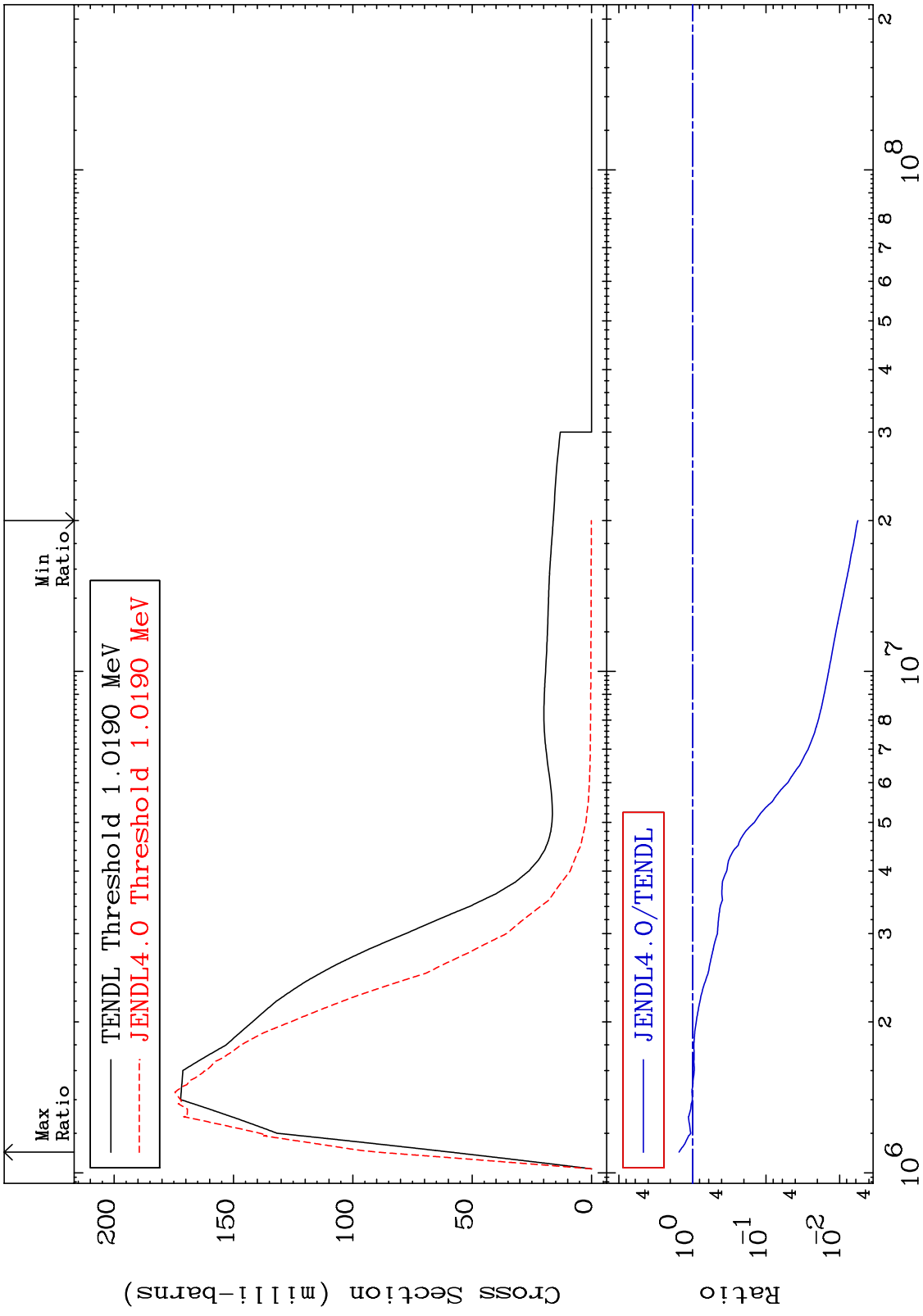


MAT 6255 MT= 55 (n,n') Level Cross Section 62-Sm-154  
 -95.74 To 47.29 %

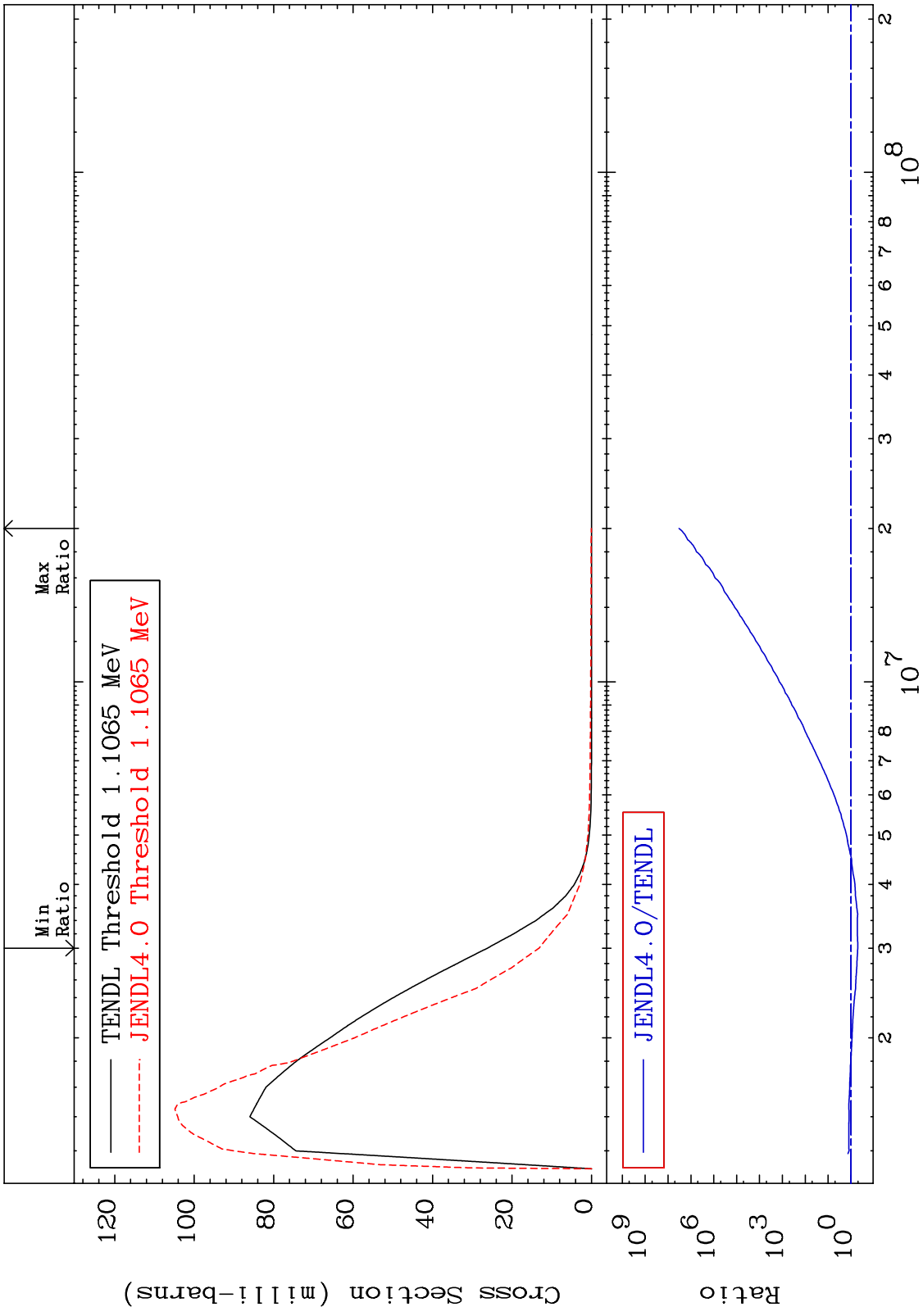


13 62-Sm-154

MAT 6255 MT= 56 (n,n') Level Cross Section 62-Sm-154 -99.44 To 52.01 %

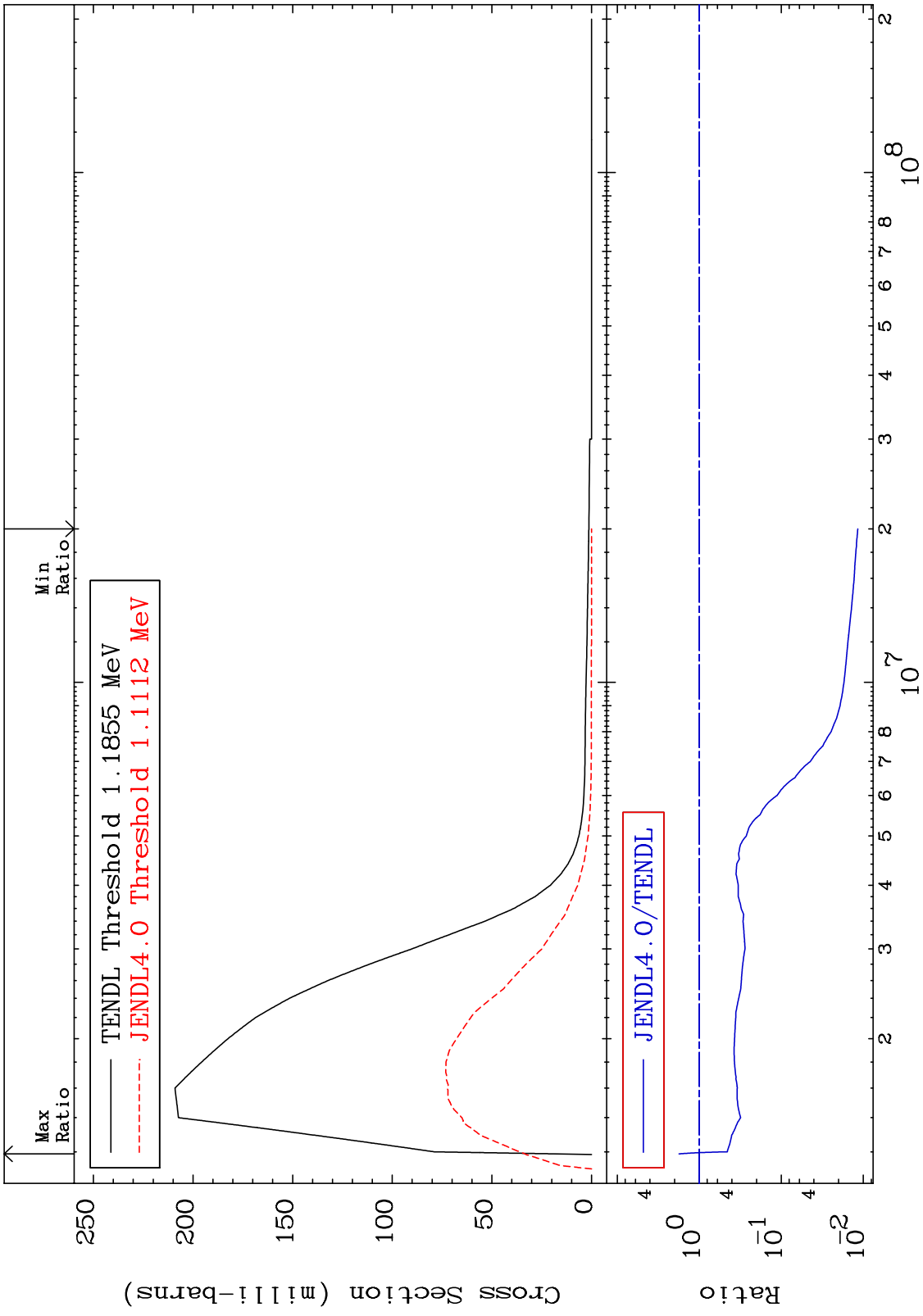


MAT 6255 MT= 57 (n,n') Level Cross Section 62-Sm-154  
 -49.64 To 9999. %

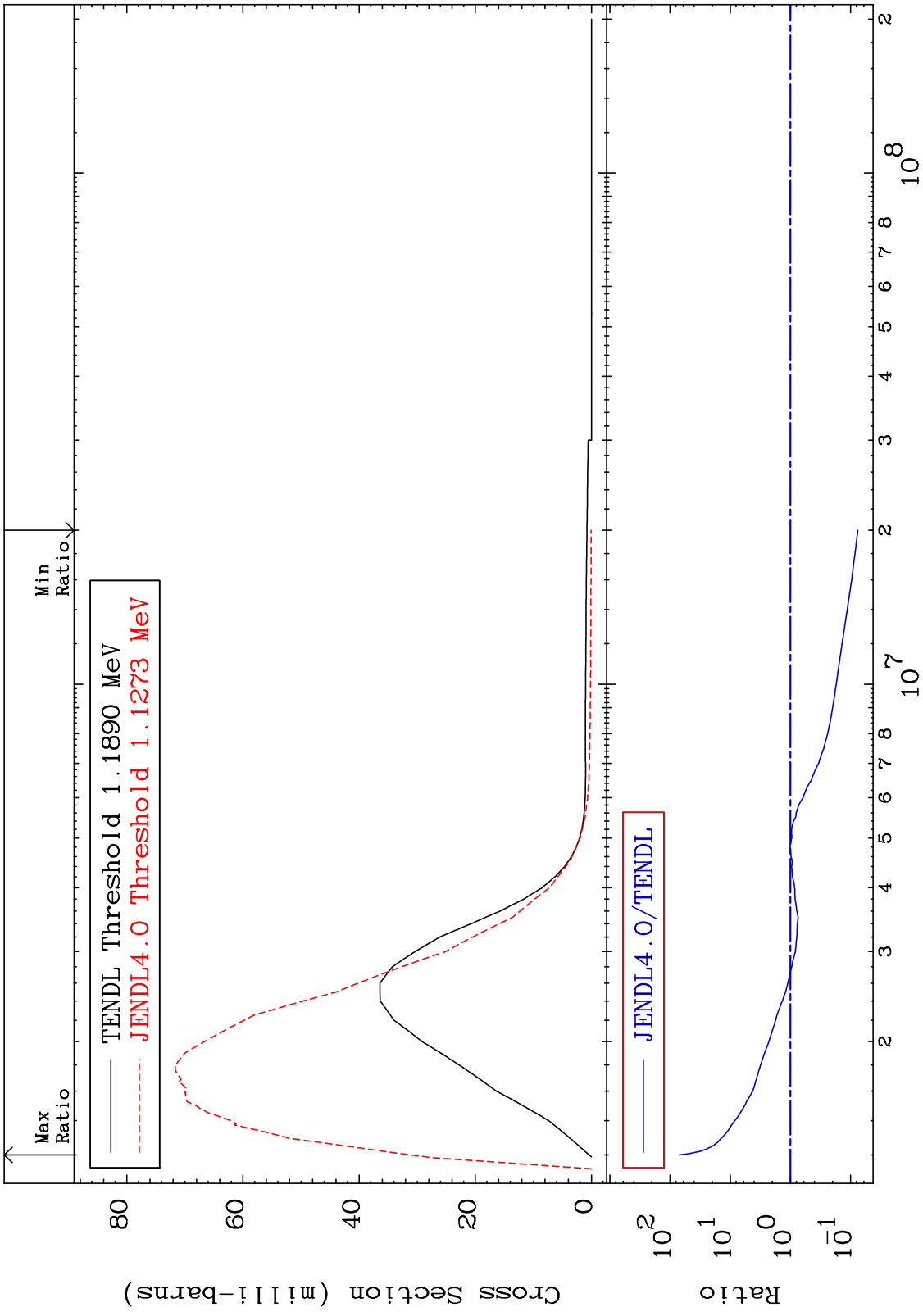




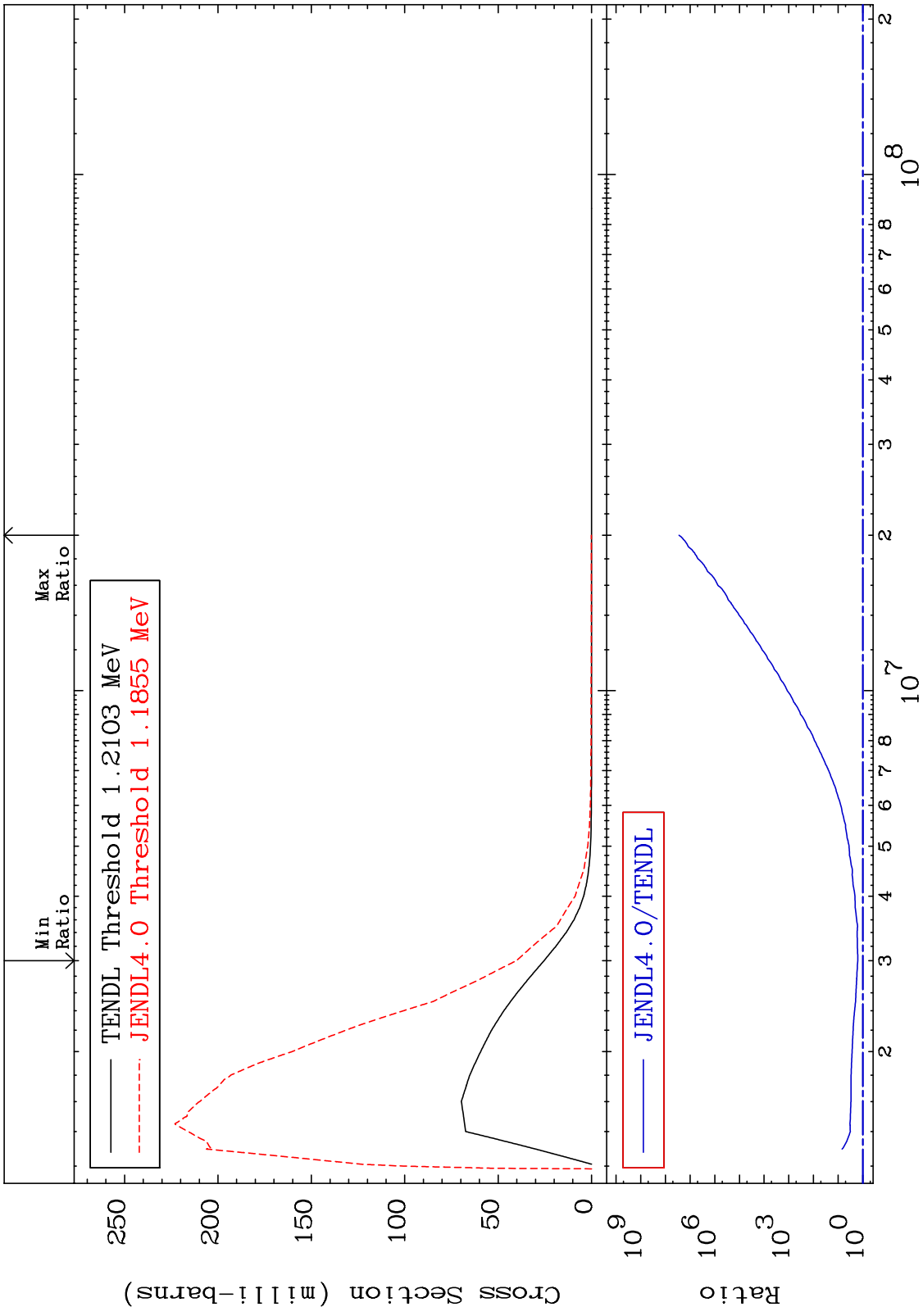
MAT 6255 MT= 58 (n,n') Level Cross Section 62-Sm-154 -98.83 To 76.49 %



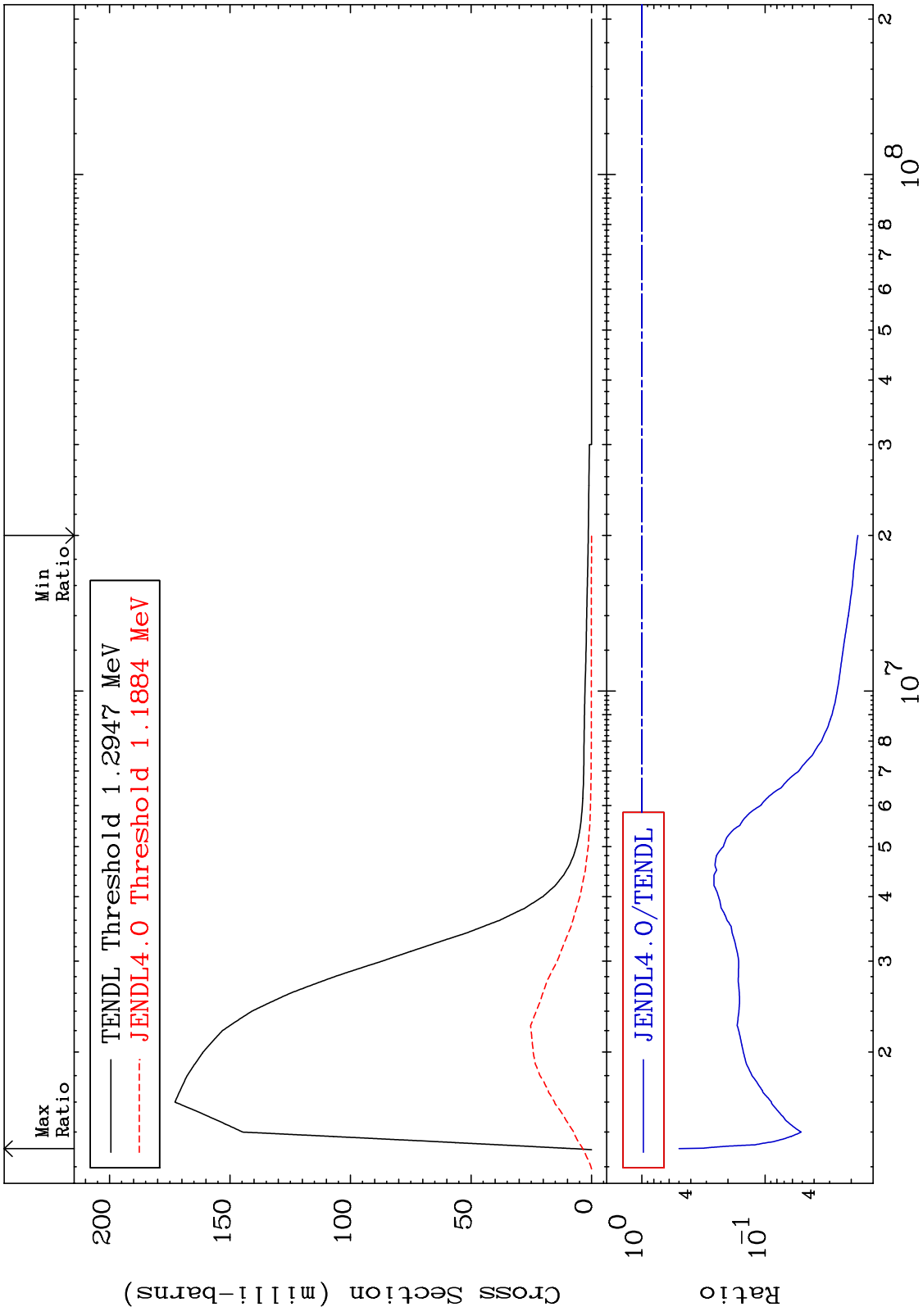
MAT 6255 MT= 59 (n,n') Level Cross Section 62-Sm-154 -92.40 To 6999. %



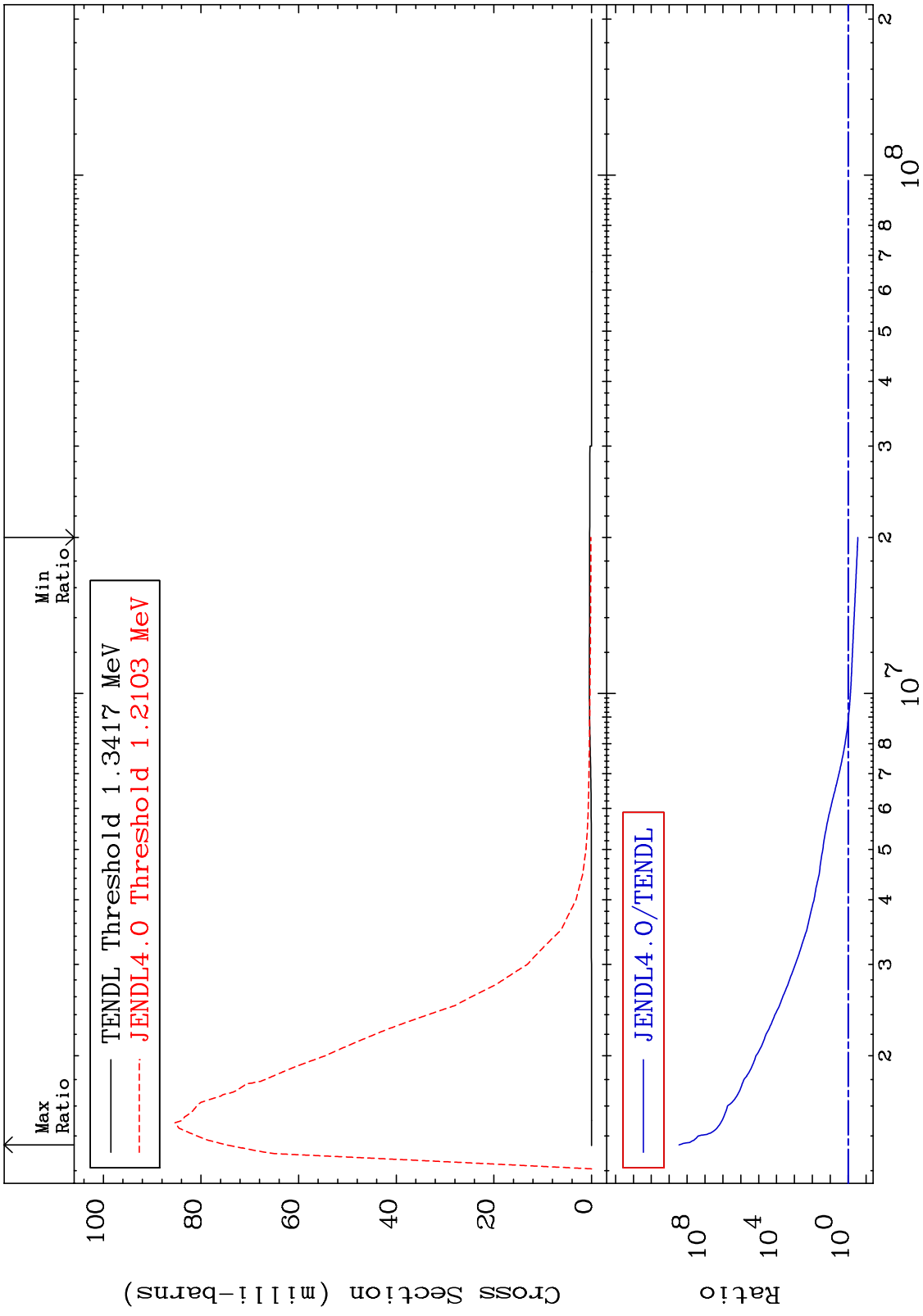
MAT 6255 MT= 60 (n,n') Level Cross Section 62-Sm-154 58.22 To 9999. %



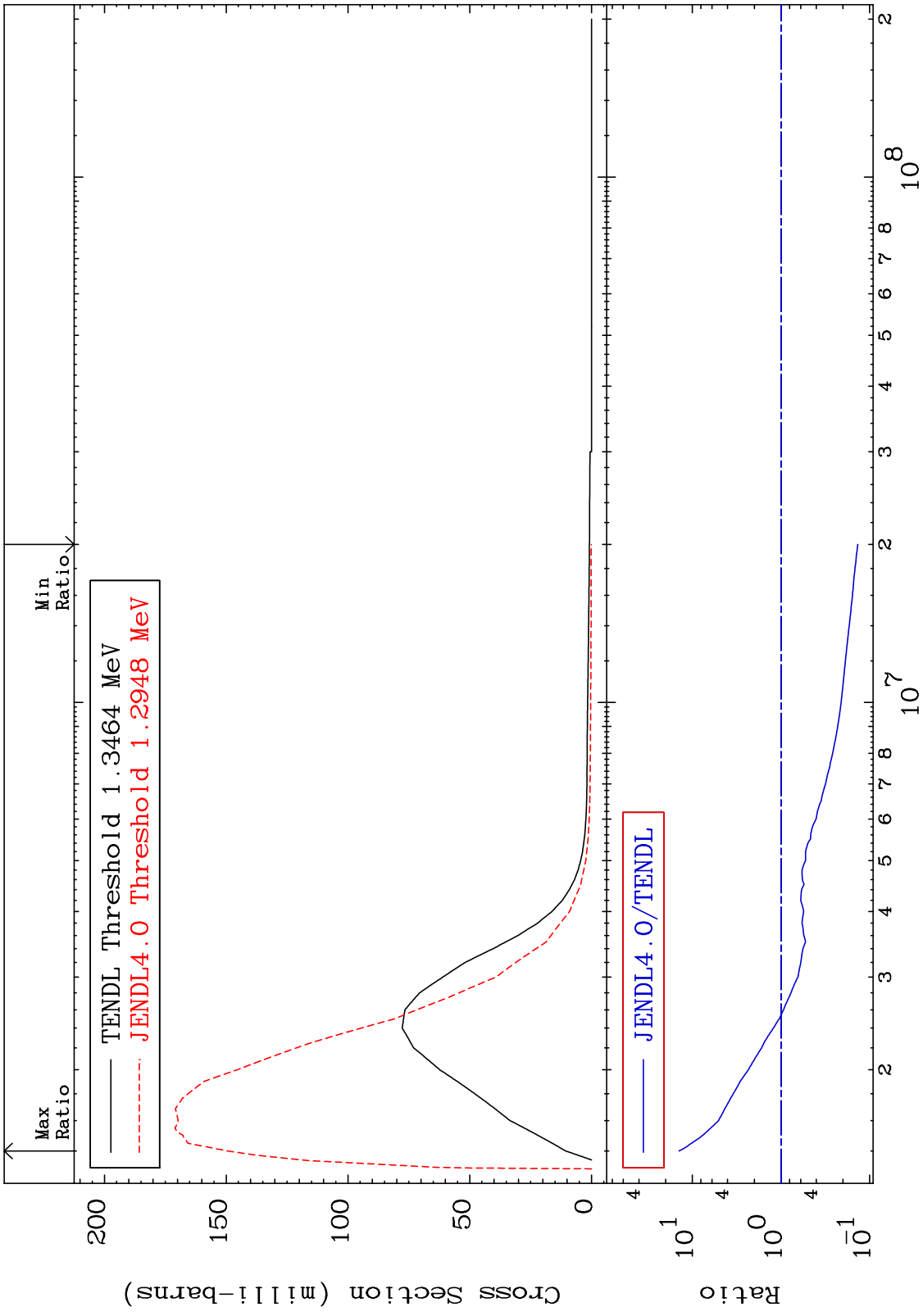
MAT 6255 MT= 61 (n,n') Level Cross Section 62-Sm-154 -98.23 To -50.14%



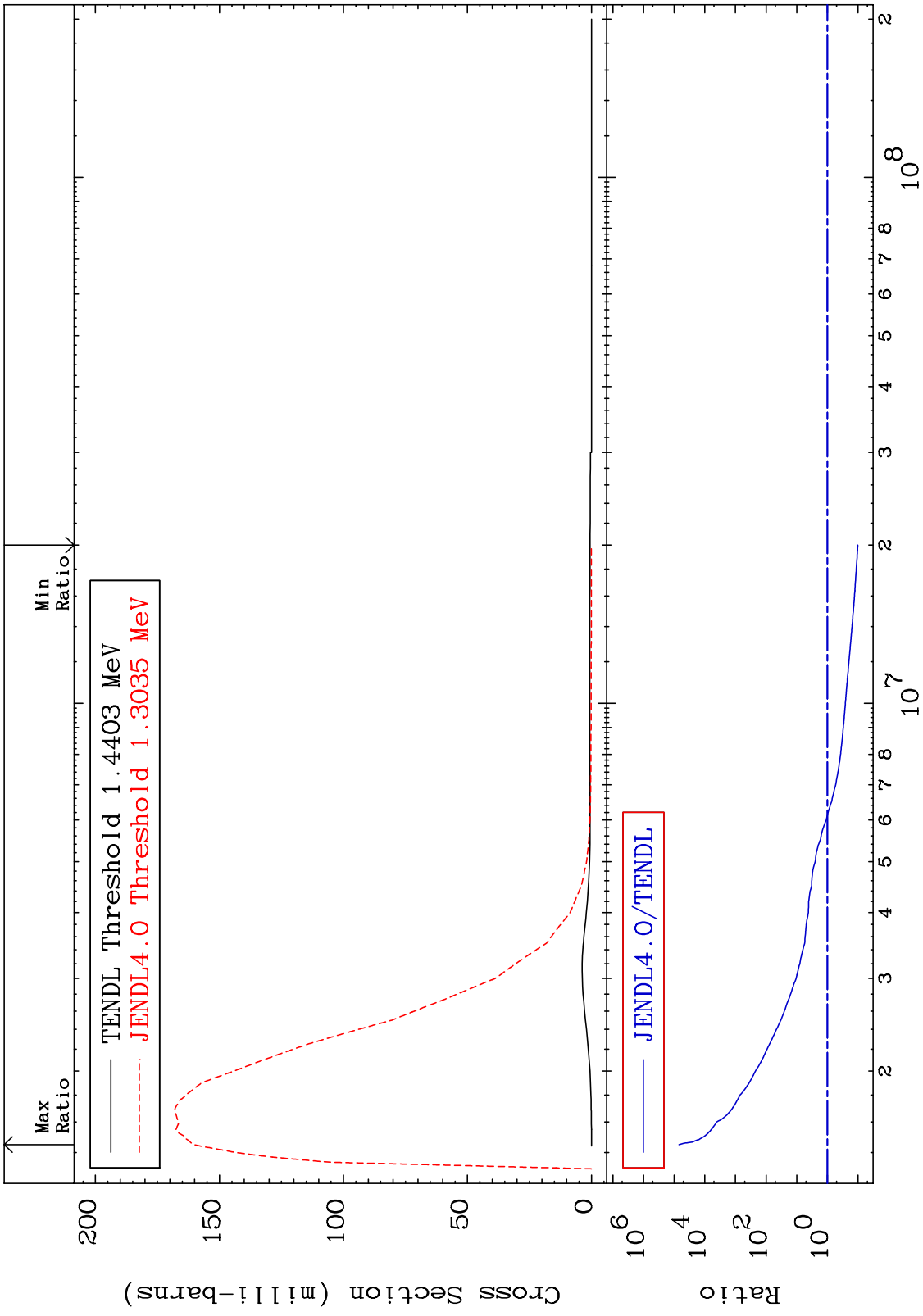
MAT 6255 MT= 62 (n,n') Level Cross Section 62-Sm-154 -71.25 To 9999. %



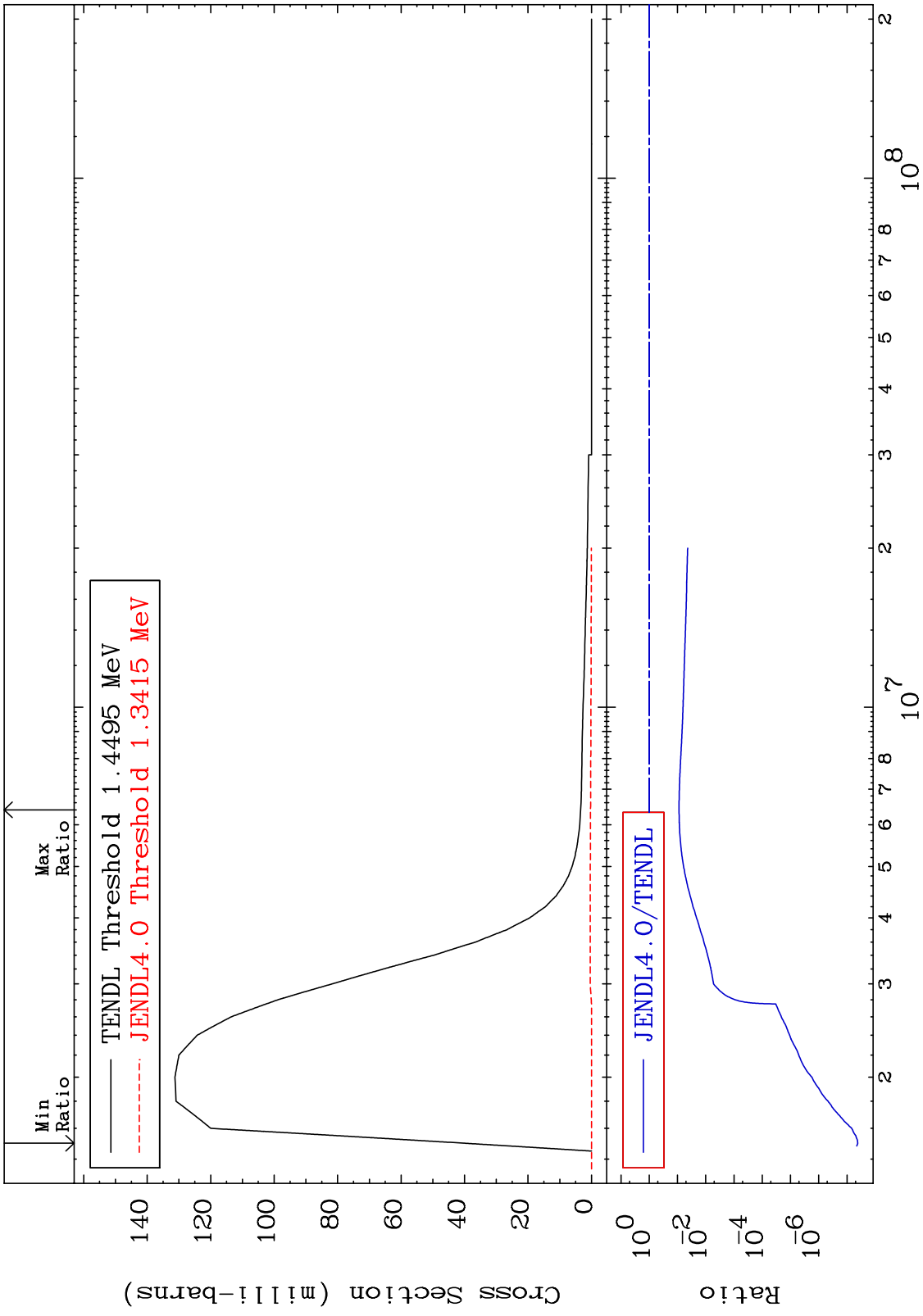
MAT 6255 MT= 63 (n,n') Level Cross Section 62-Sm-154 -86.40 To 1311. %



MAT 6255 MT= 64 (n,n') Level Cross Section 62-Sm-154 -89.82 To 9999. %

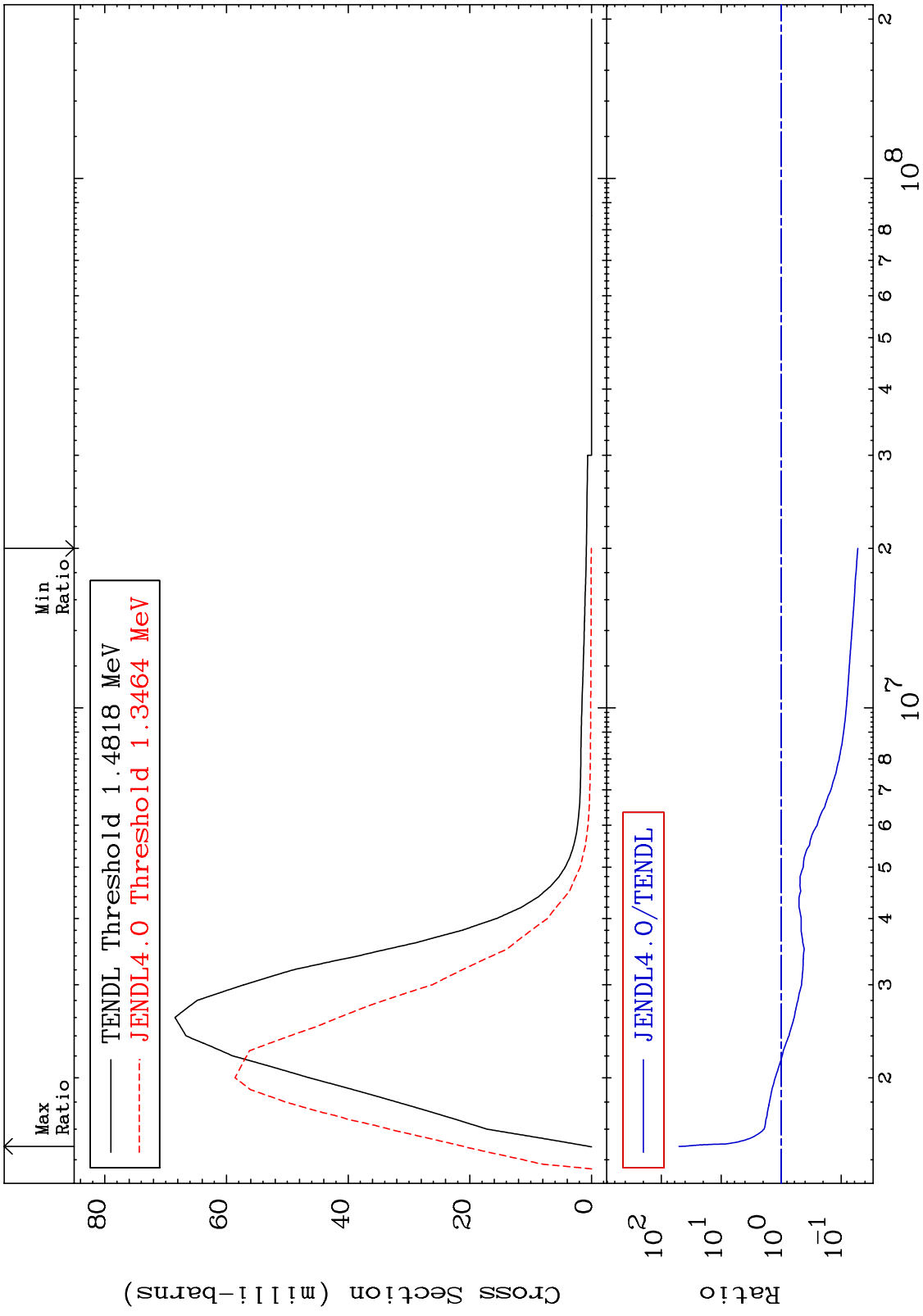


MAT 6255 MT= 65 (n,n') Level Cross Section 62-Sm-154 -100.0 To -91.18%

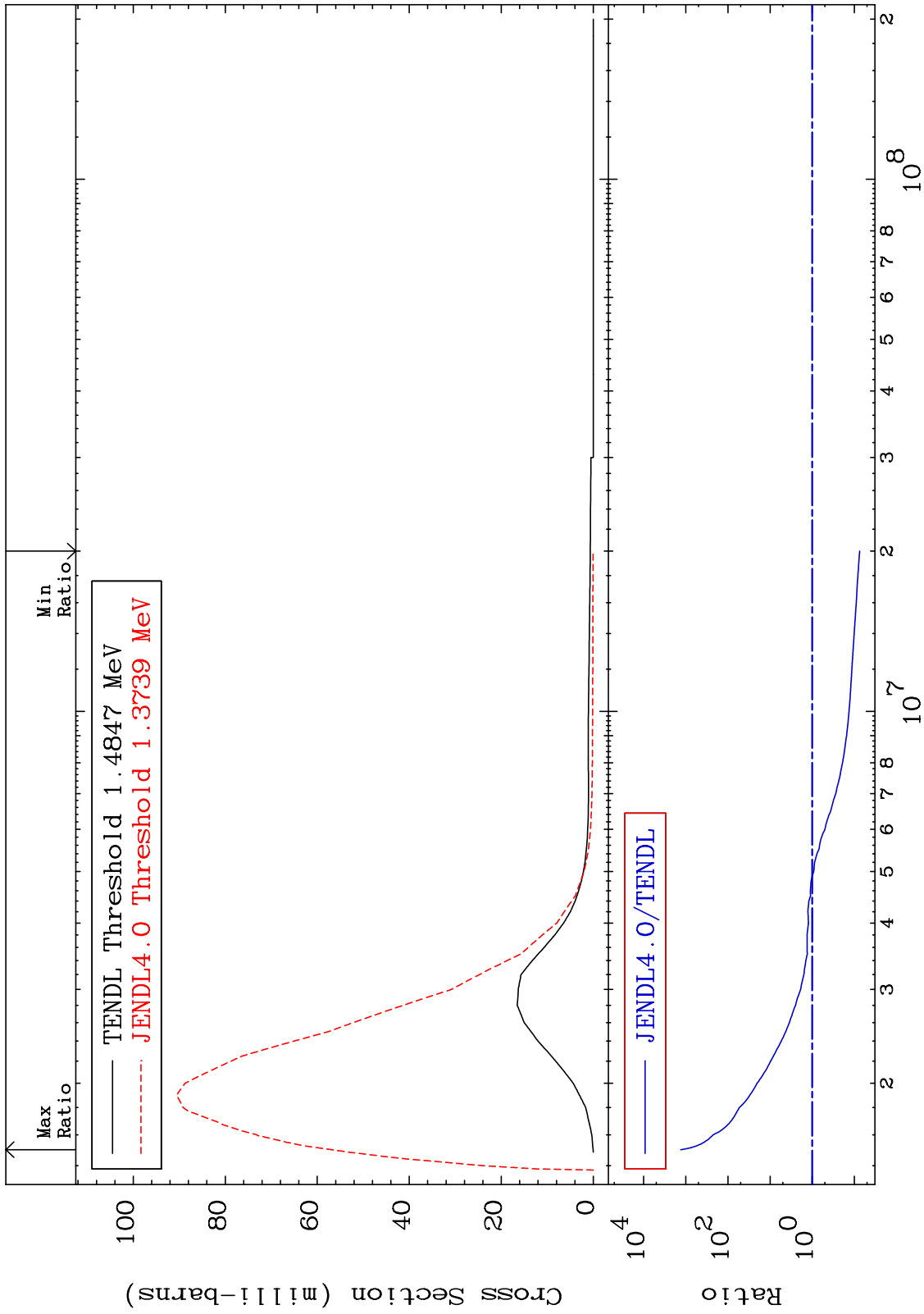




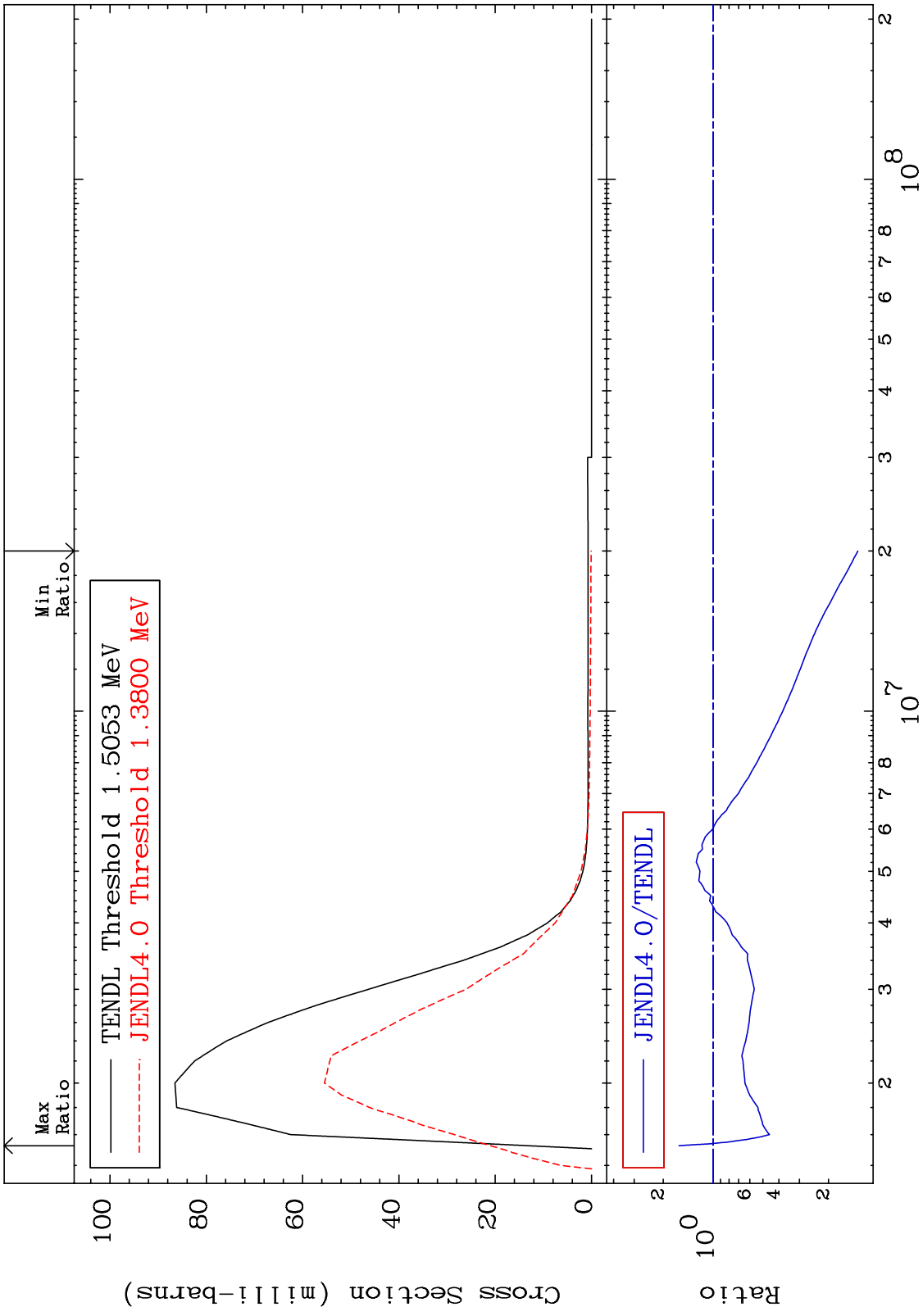
MAT 6255 MT= 66 (n,n') Level Cross Section 62-Sm-154  
 -94.74 To 4958. %



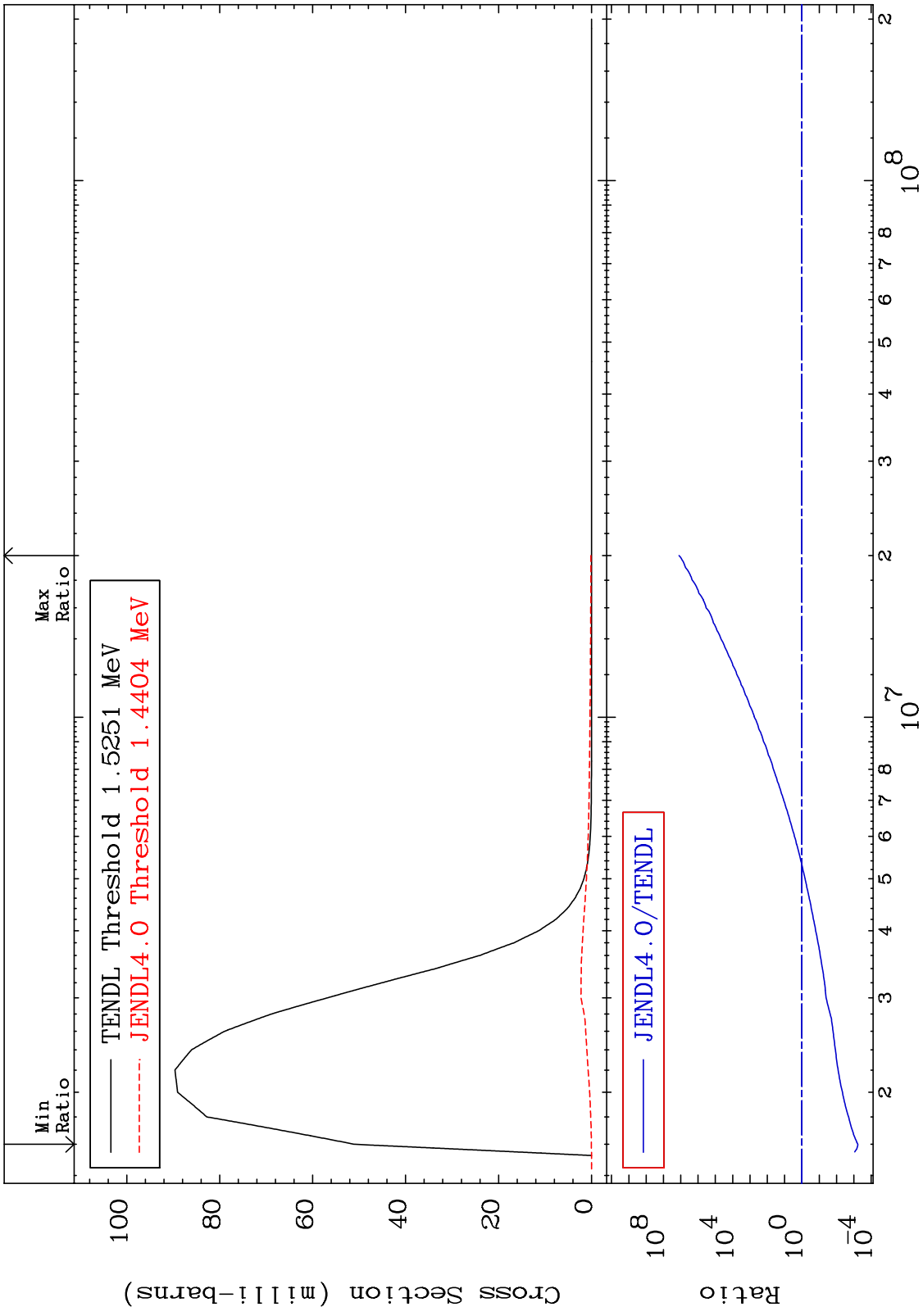
MAT 6255 MT= 67 (n,n') Level Cross Section 62-Sm-154 -92.51 To 9999. %



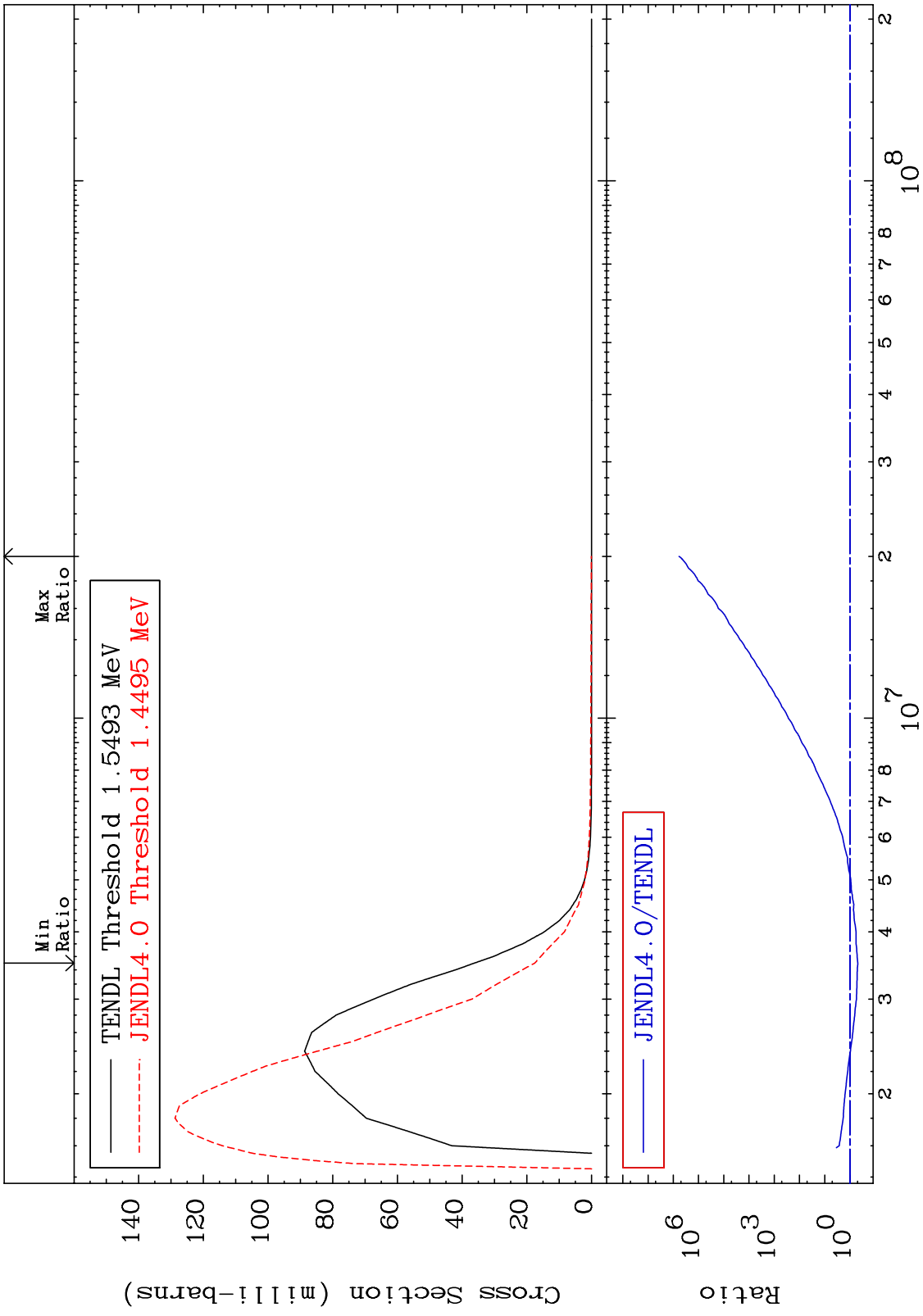
MAT 6255 MT= 68 (n,n') Level Cross Section 62-Sm-154 -86.69 To 60.61 %



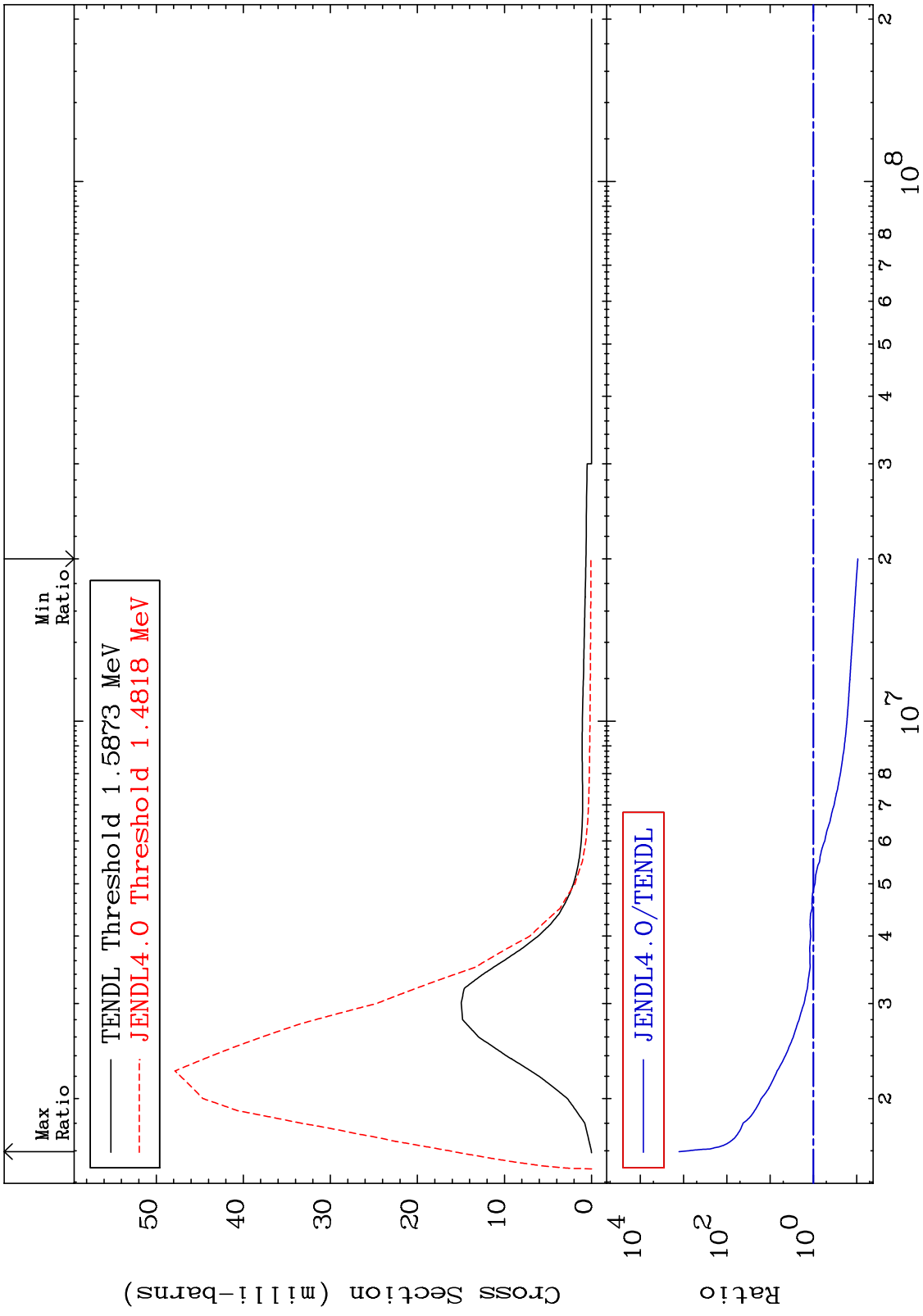
MAT 6255 MT= 69 (n,n') Level Cross Section 62-Sm-154 -99.94 To 9999. %



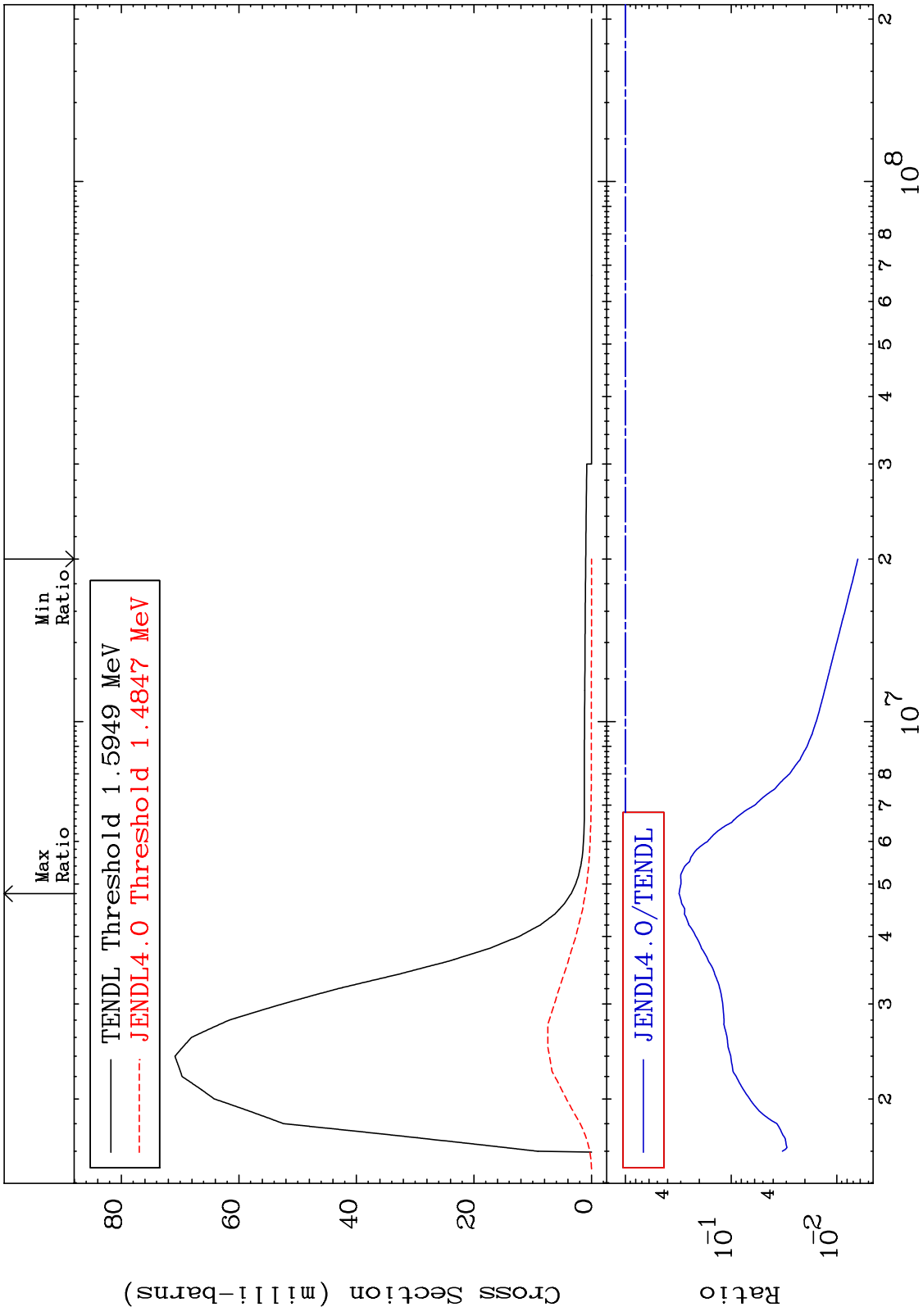
MAT 6255 MT= 70 (n,n') Level Cross Section 62-Sm-154  
 -51.52 To 9999. %



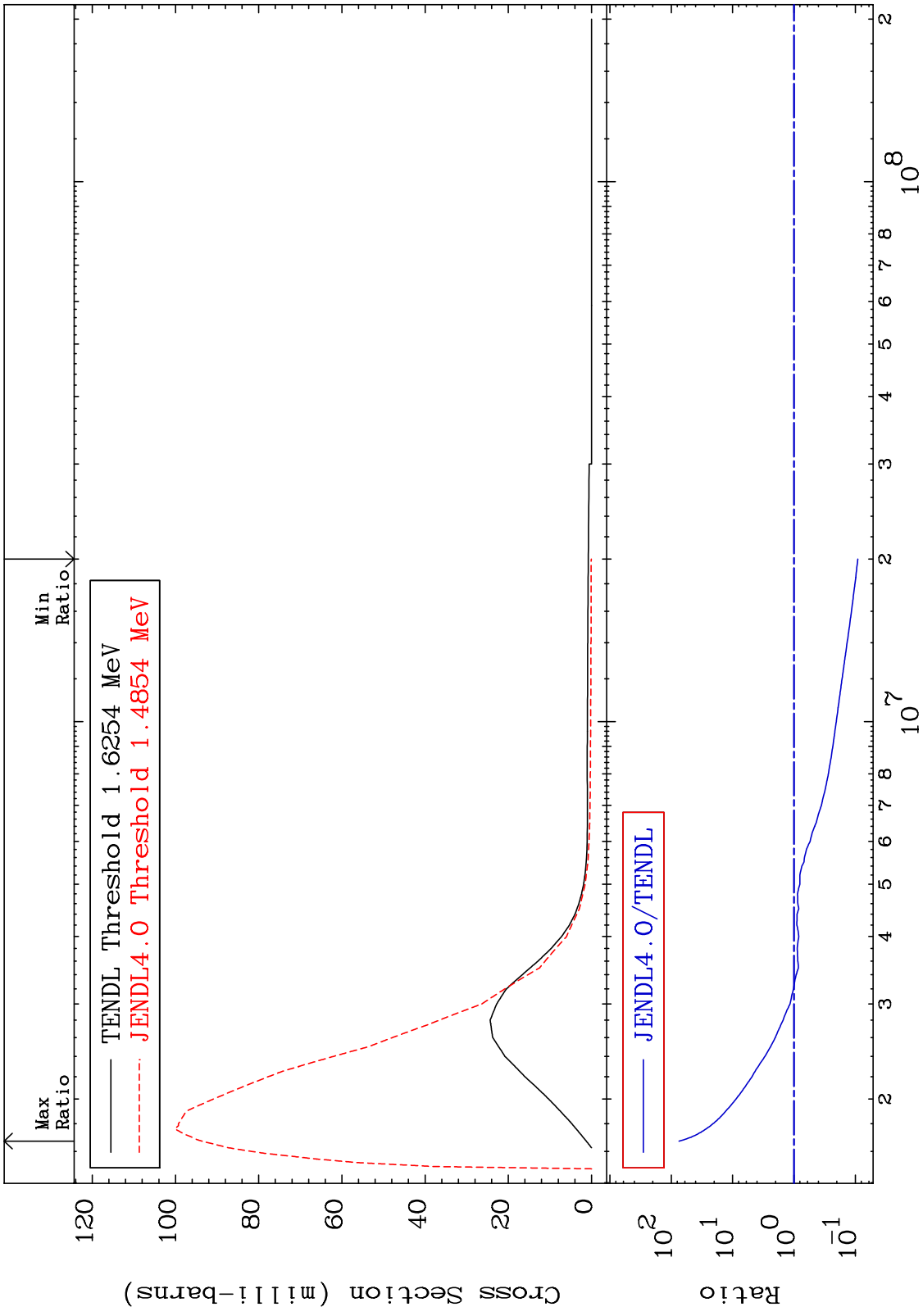
MAT 6255 MT= 71 (n,n') Level Cross Section 62-Sm-154  
 -90.61 To 9999. %



MAT 6255 MT= 72 (n,n') Level Cross Section 62-Sm-154 -99.37 To -68.88%

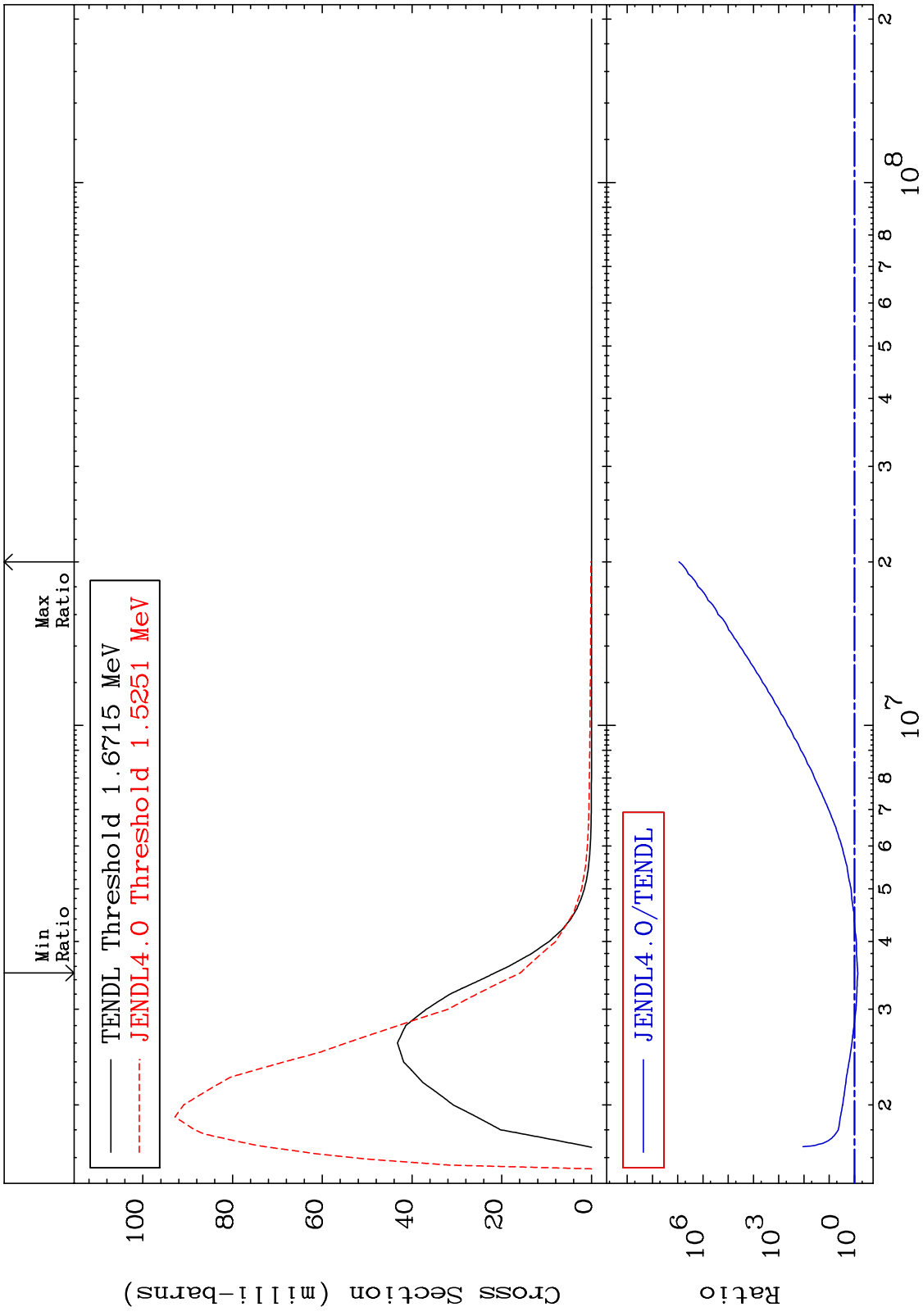


MAT 6255 MT= 73 (n,n') Level Cross Section 62-Sm-154 -90.91 To 7370. %

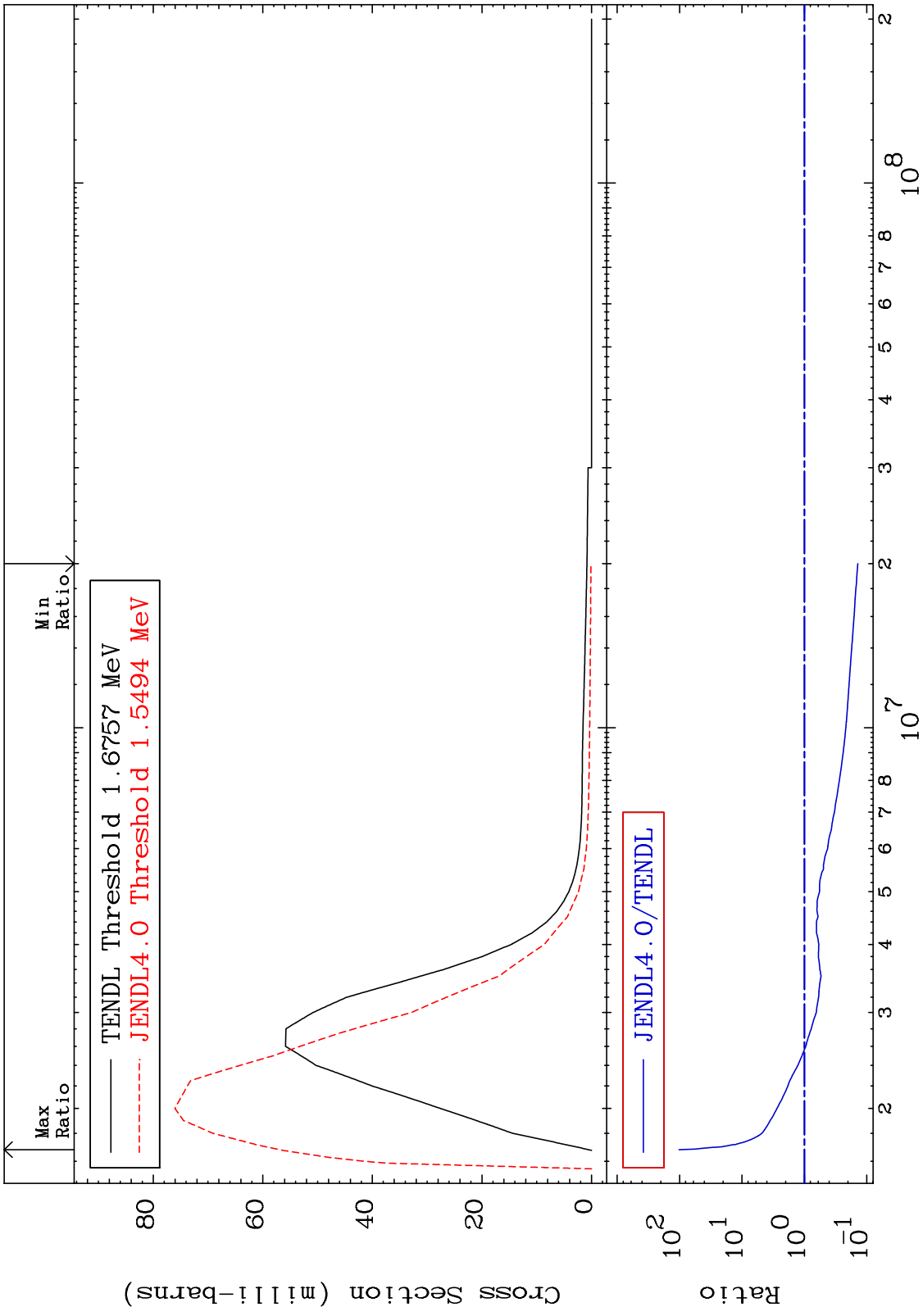




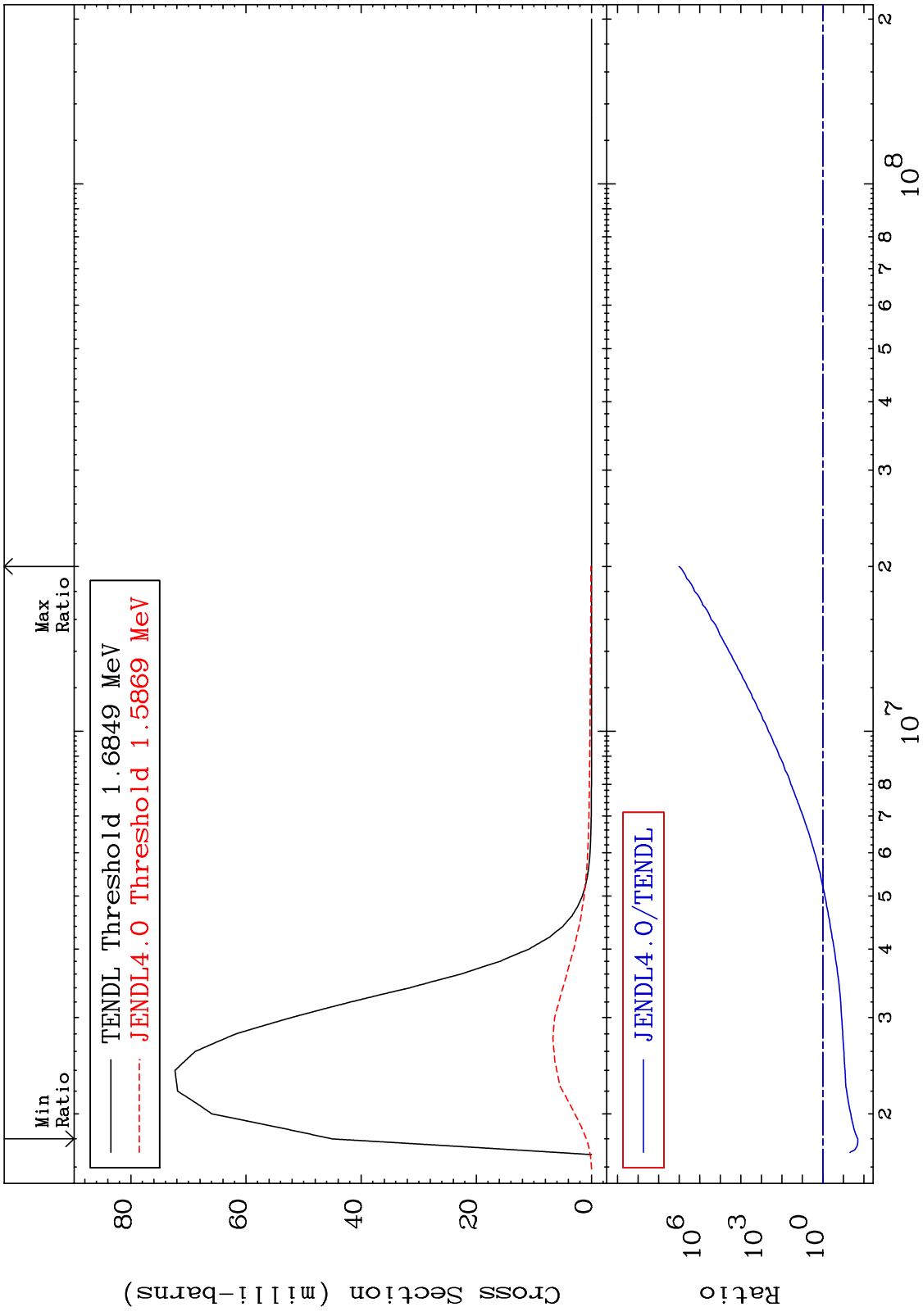
MAT 6255 MT= 74 (n,n') Level Cross Section 62-Sm-154 -26.32 To 9999. %



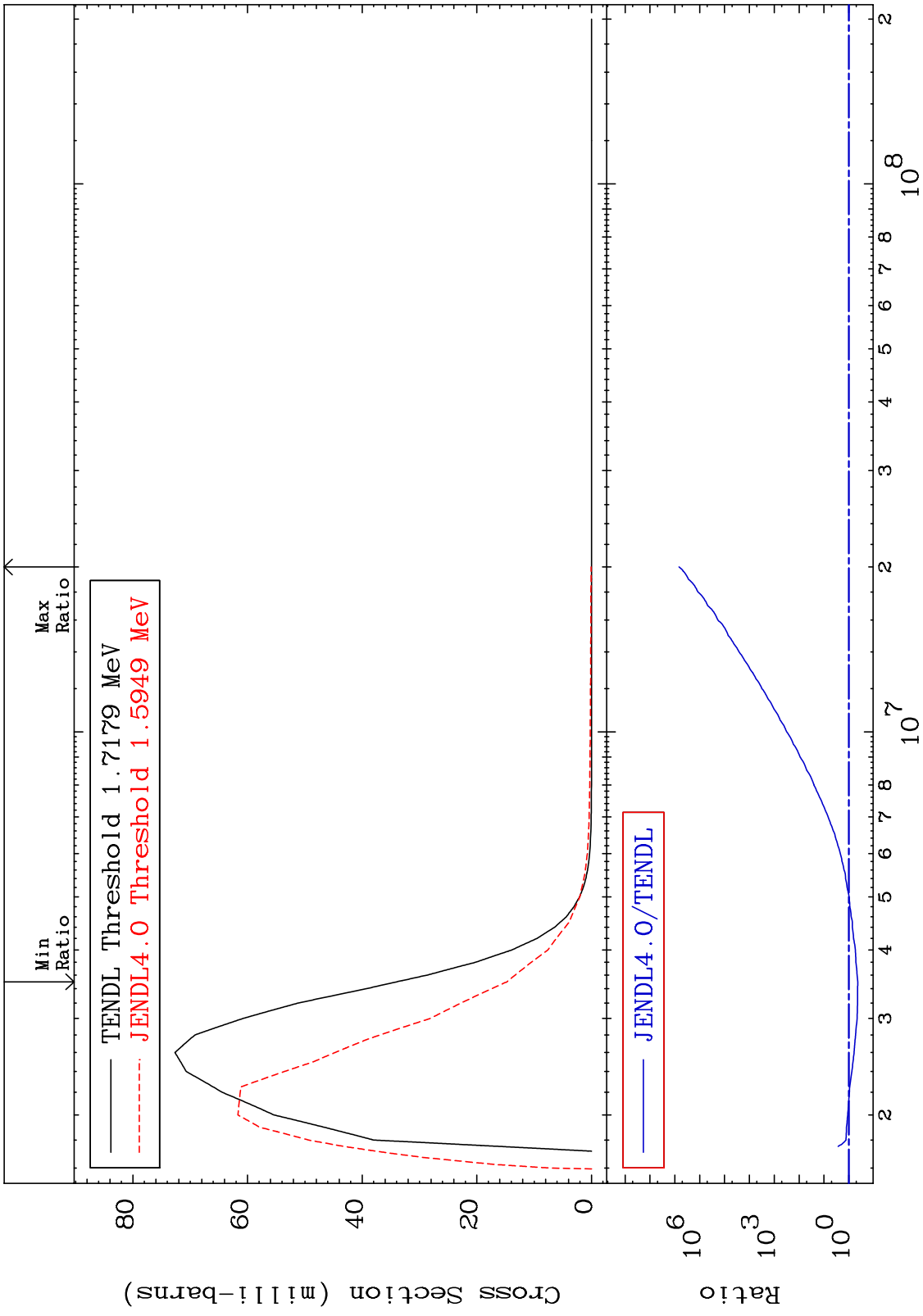
MAT 6255 MT= 75 (n,n') Level Cross Section 62-Sm-154  
 -86.08 To 9999. %



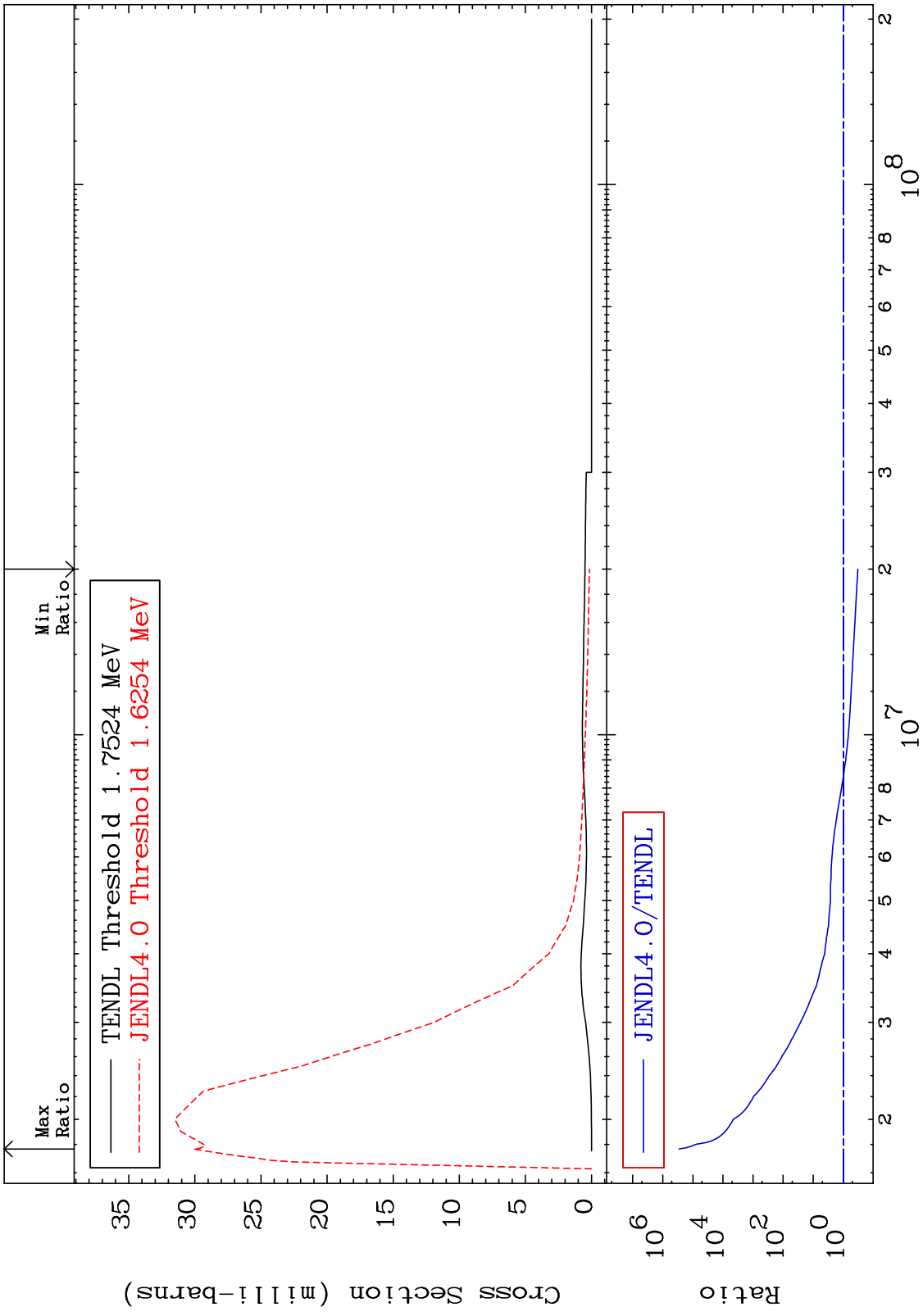
MAT 6255 MT= 76 (n,n') Level Cross Section 62-Sm-154 -98.02 To 9999. %



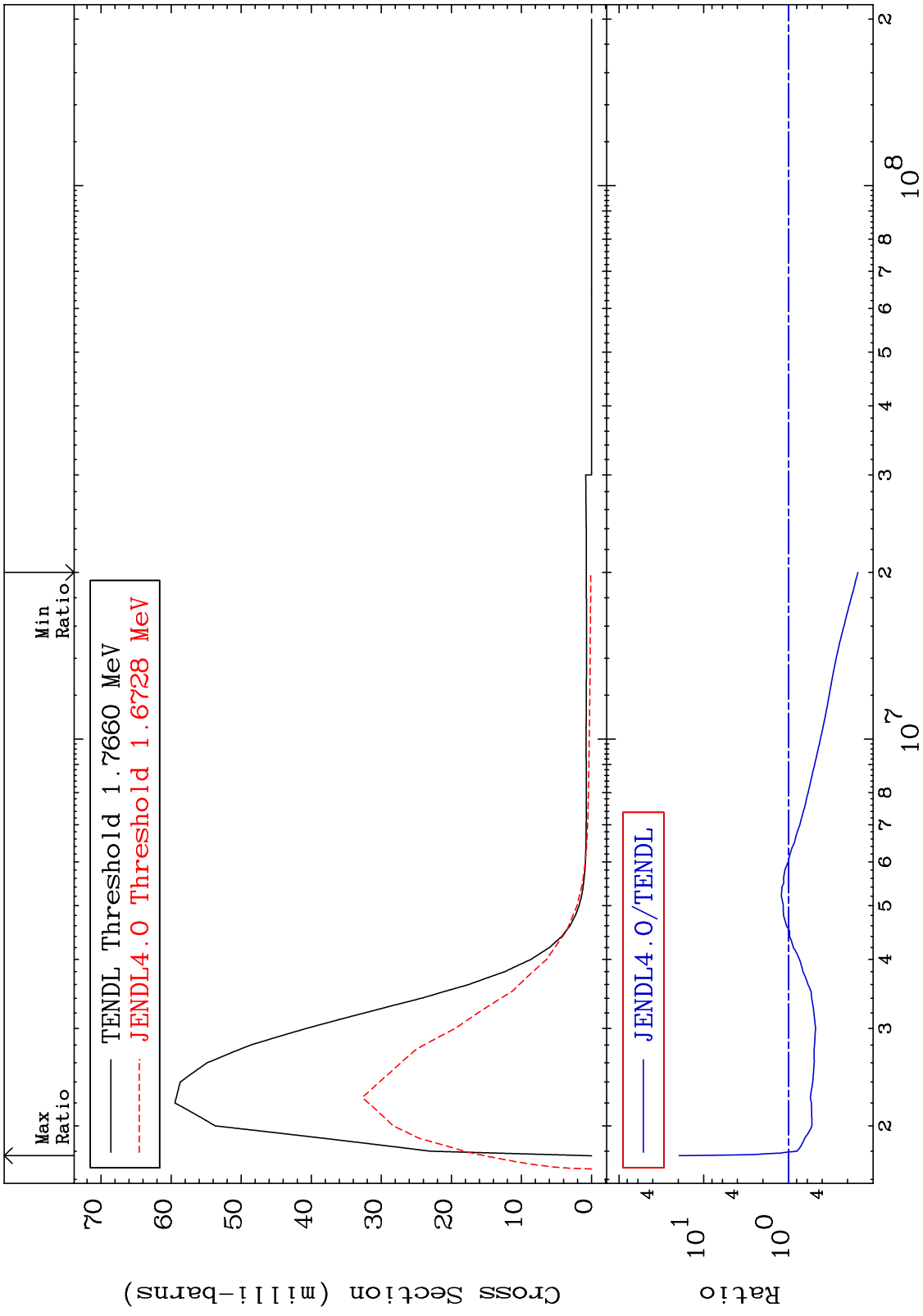
MAT 6255 MT= 77 (n,n') Level Cross Section 62-Sm-154  
 -56.57 To 9999. %



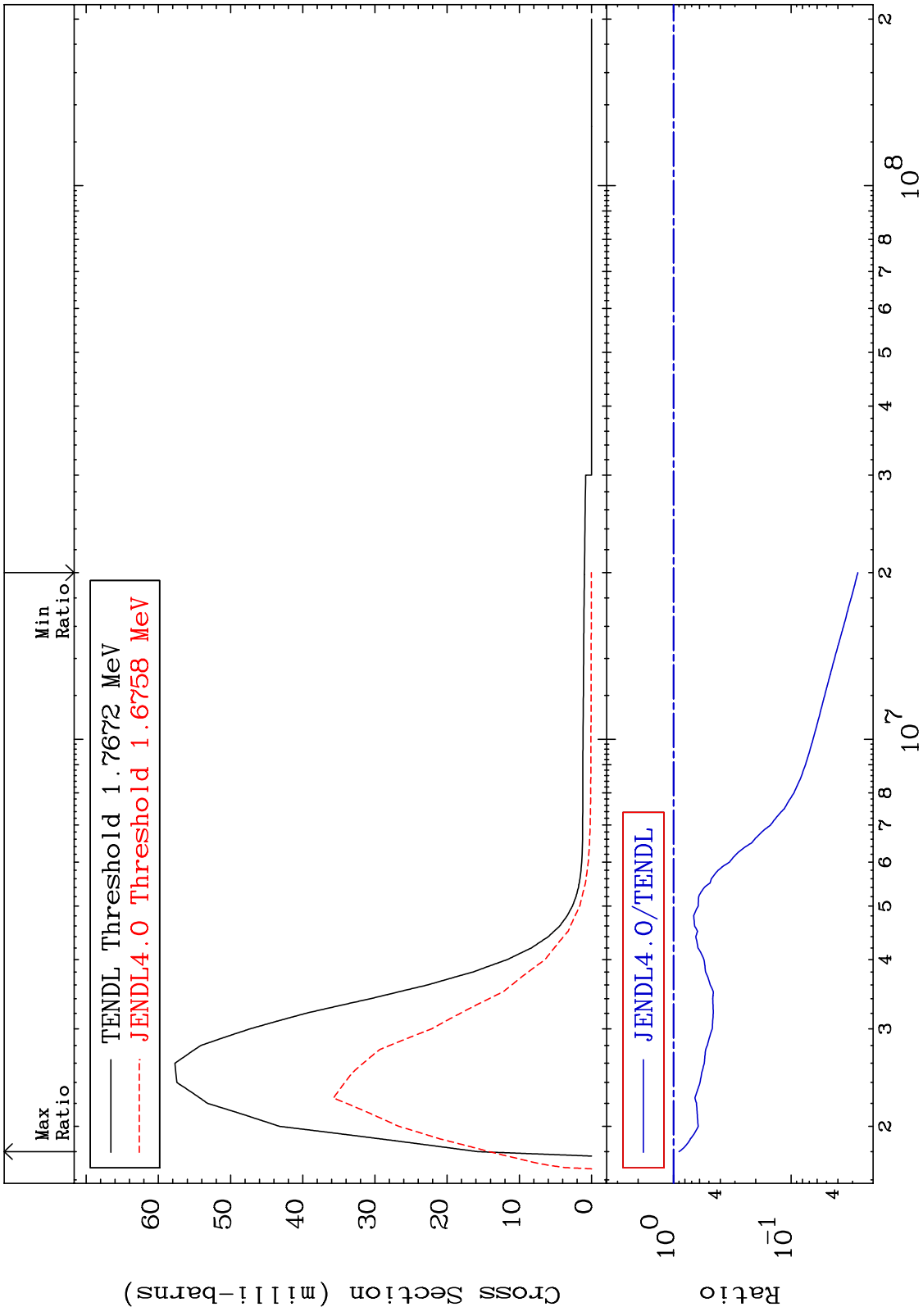
MAT 6255 MT= 78 (n,n') Level Cross Section 62-Sm-154  
 -67.10 To 9999. %



MAT 6255 MT= 79 (n,n') Level Cross Section 62-Sm-154 -84.85 To 1857. %



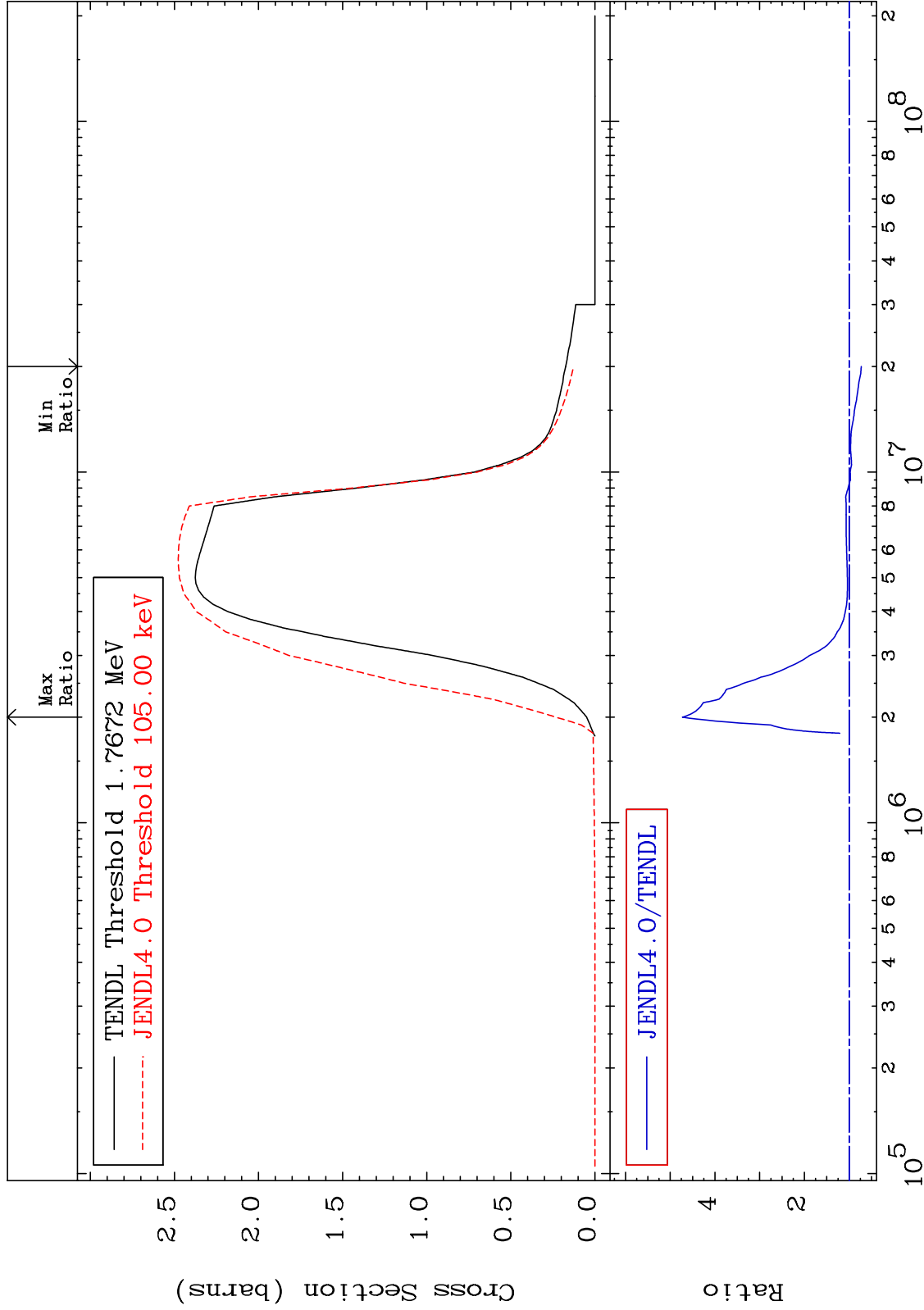
MAT 6255 MT= 80 (n,n') Level Cross Section 62-Sm-154 -97.29 To -10.20%



MAT 6255

(n, n') Continuum  
Cross Section

62-Sm-154  
-27.15 To 372.6 %



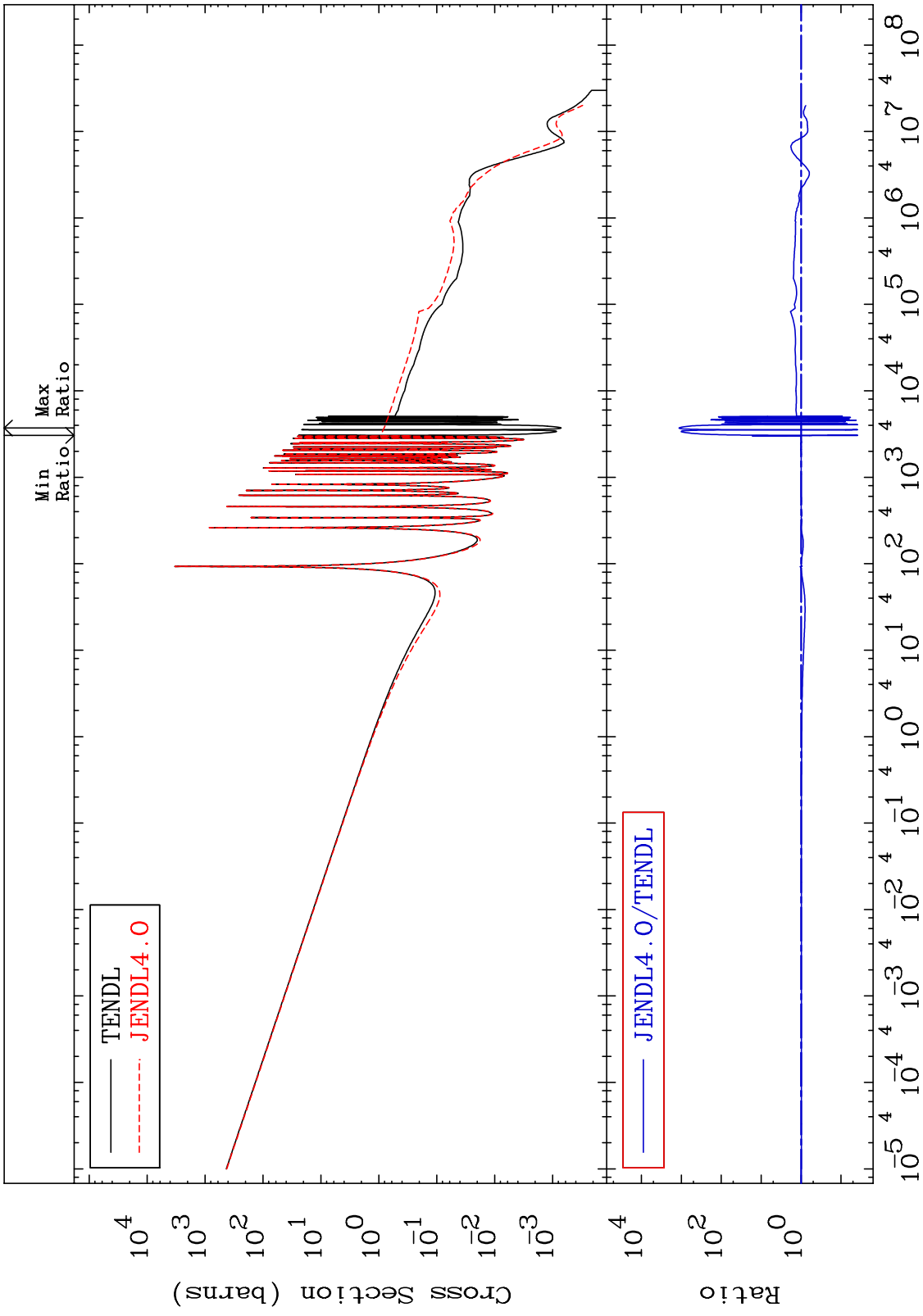
39

Incident Energy (eV)

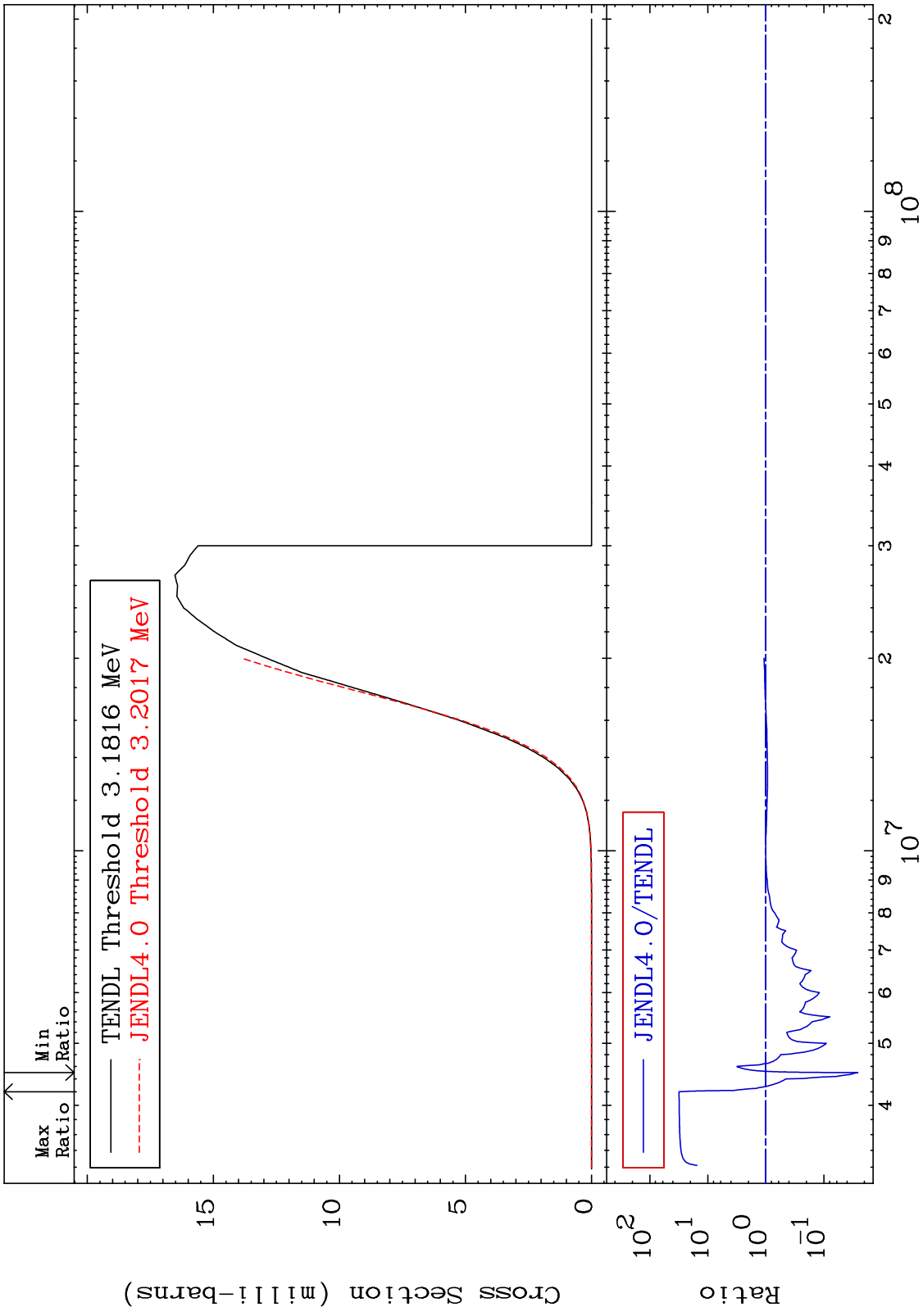
62-Sm-154



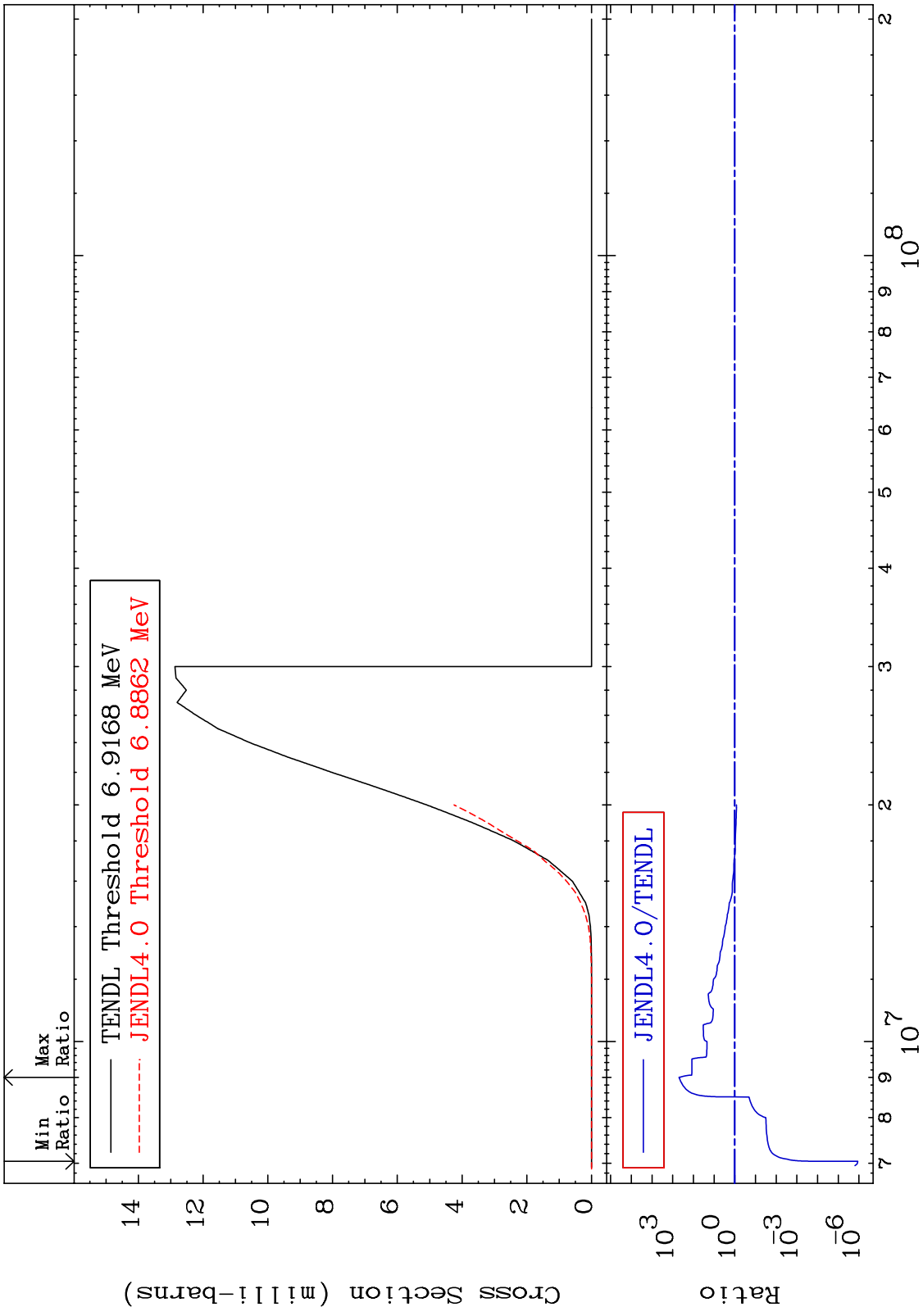
MAT 6255  $(n, \gamma)$  Cross Section 62-Sm-154 -96.20 To 9999. %



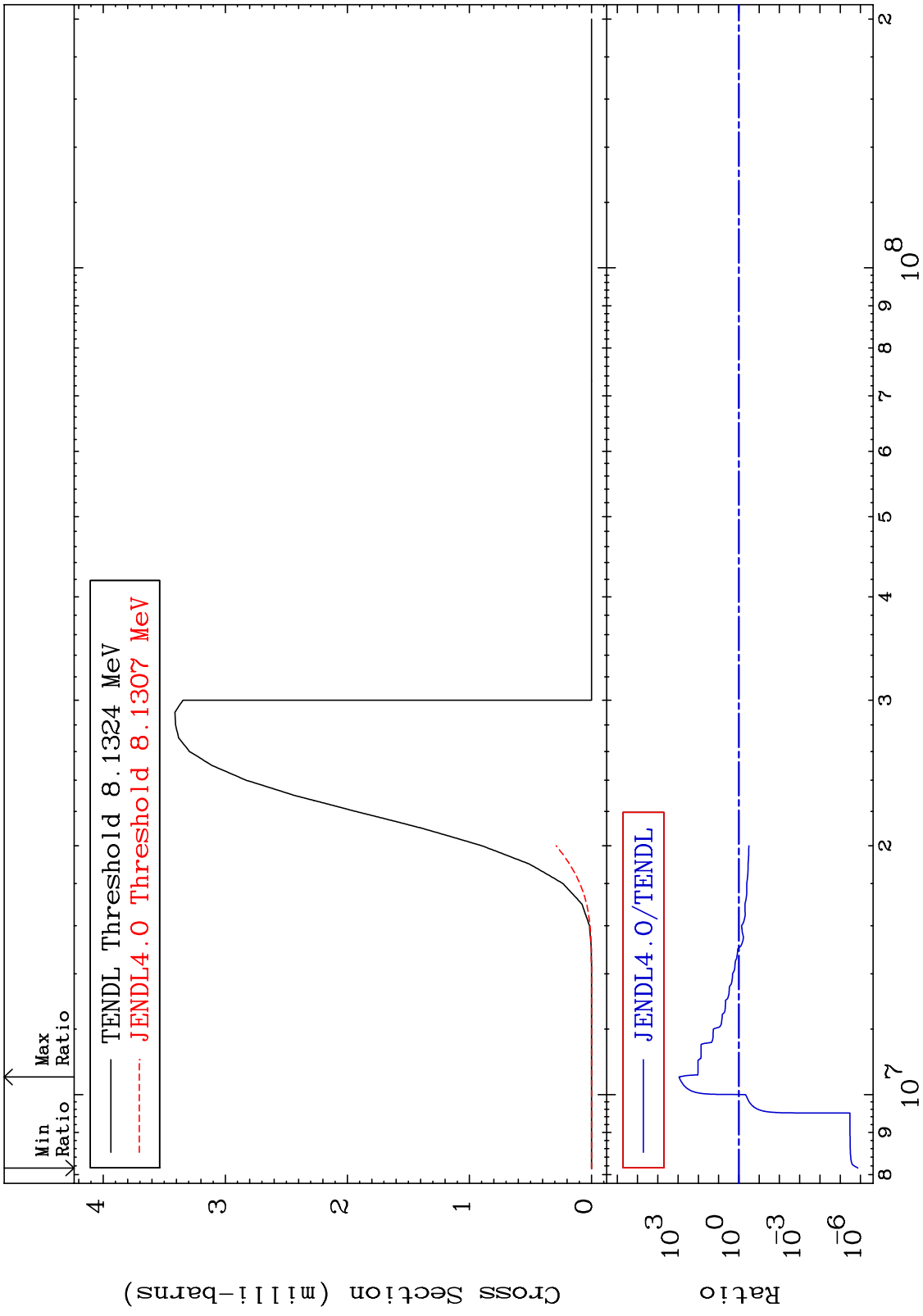
40 62-Sm-154

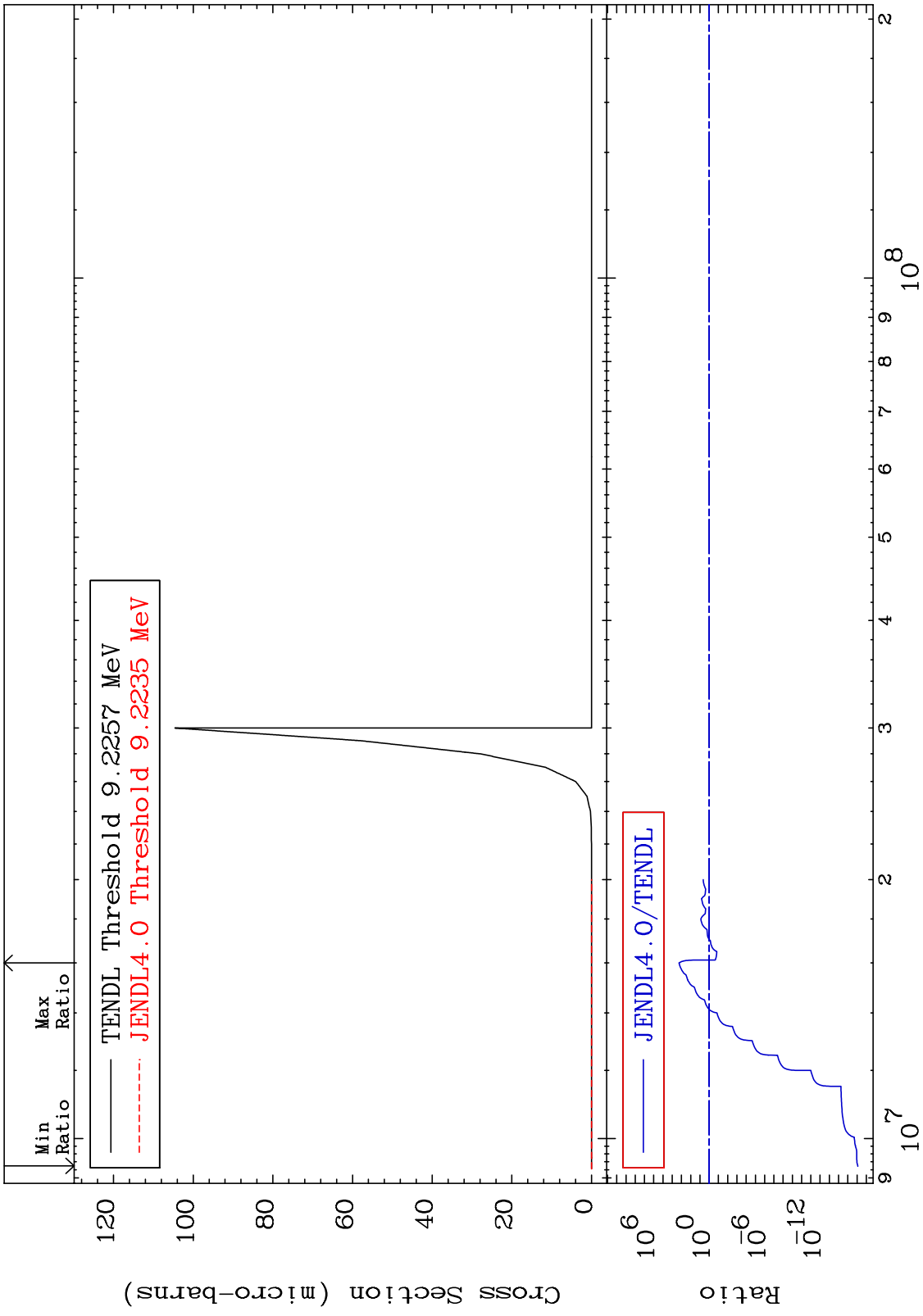


MAT 6255 (n,d) Cross Section 62-Sm-154 -100.0 To 9999. %

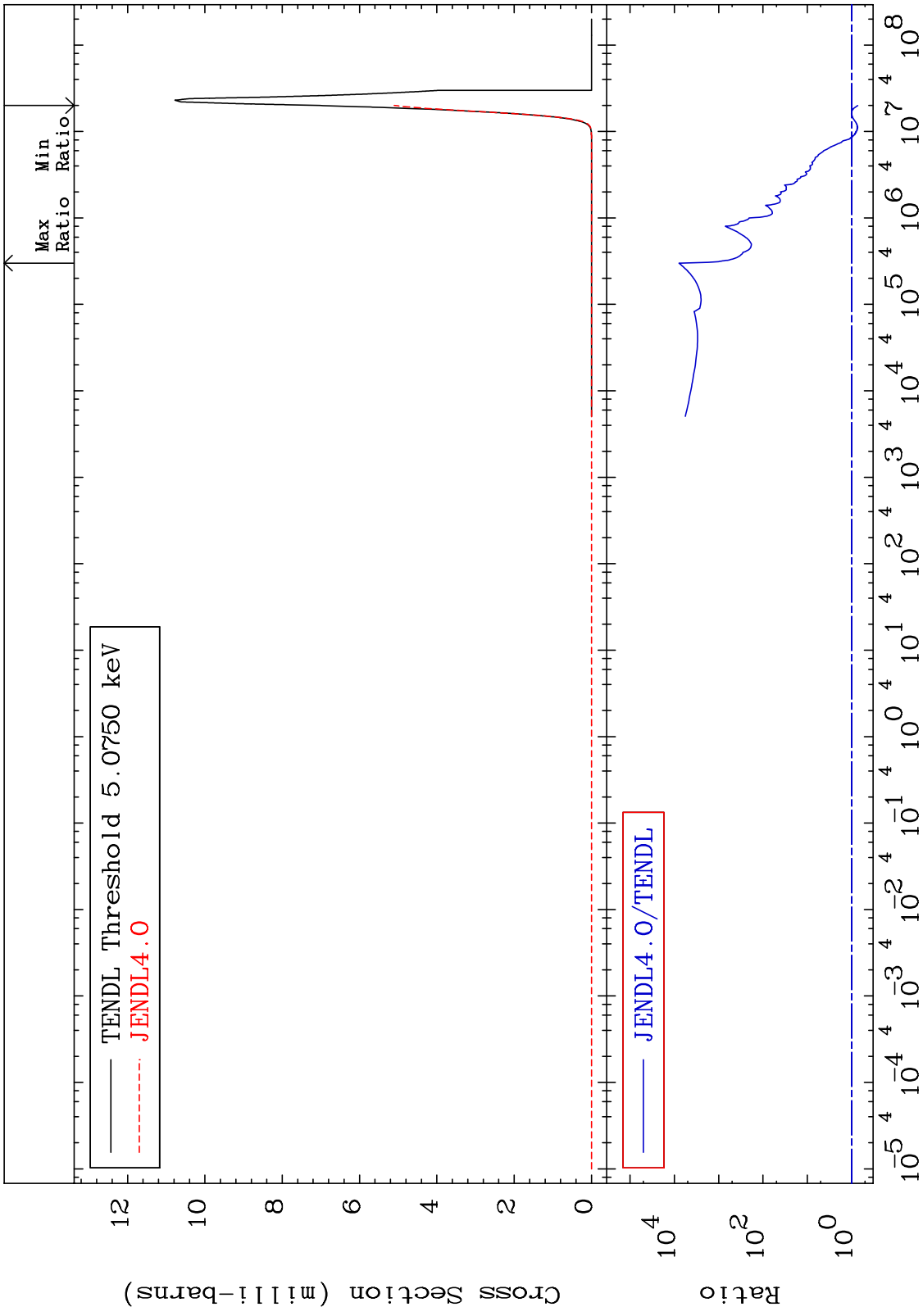


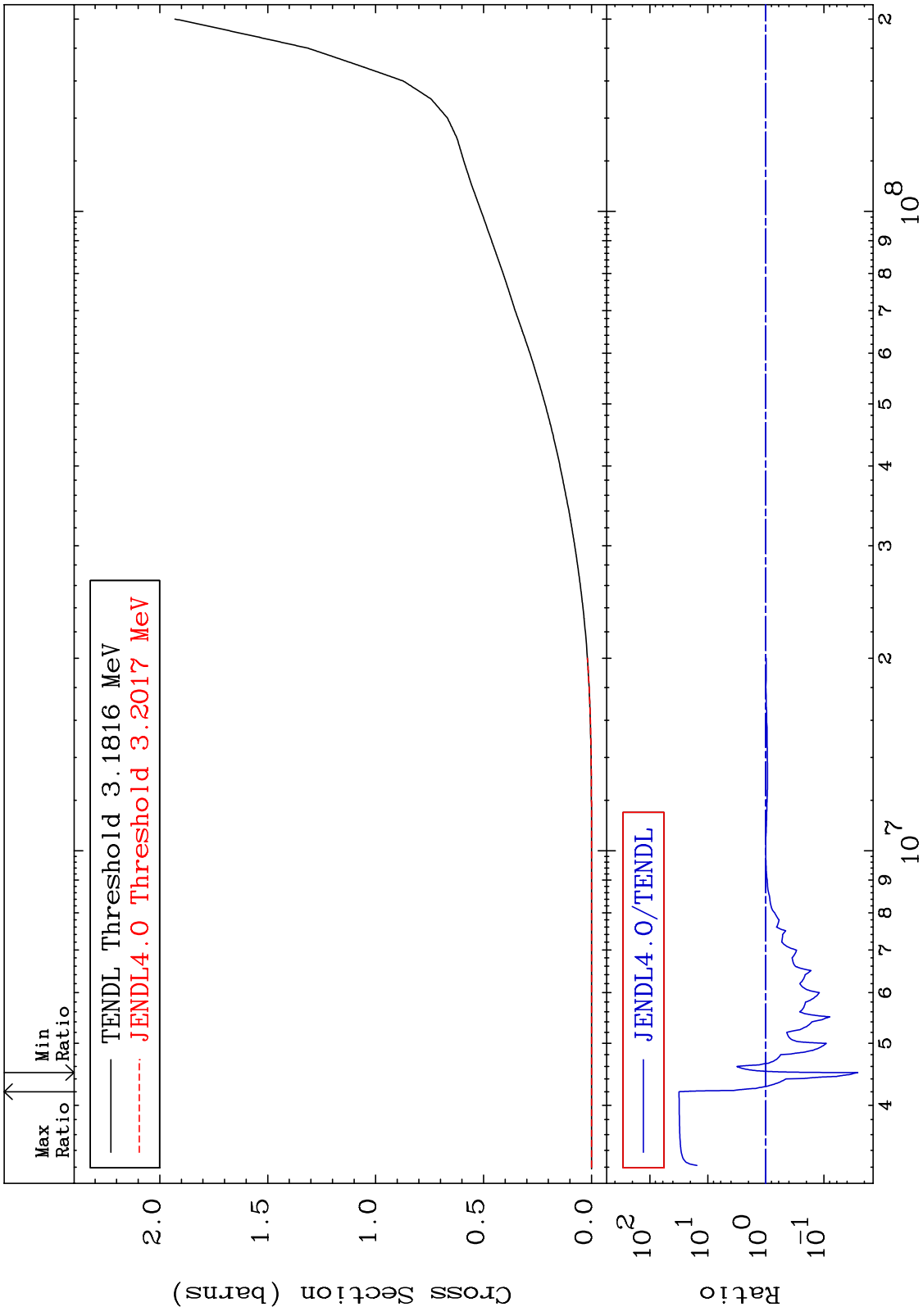
MAT 6255 (n,t) 62-Sm-154  
 Cross Section -100.0 To 9999. %





MAT 6255 (n,α) Cross Section 62-Sm-154 -27.29 To 9999. %

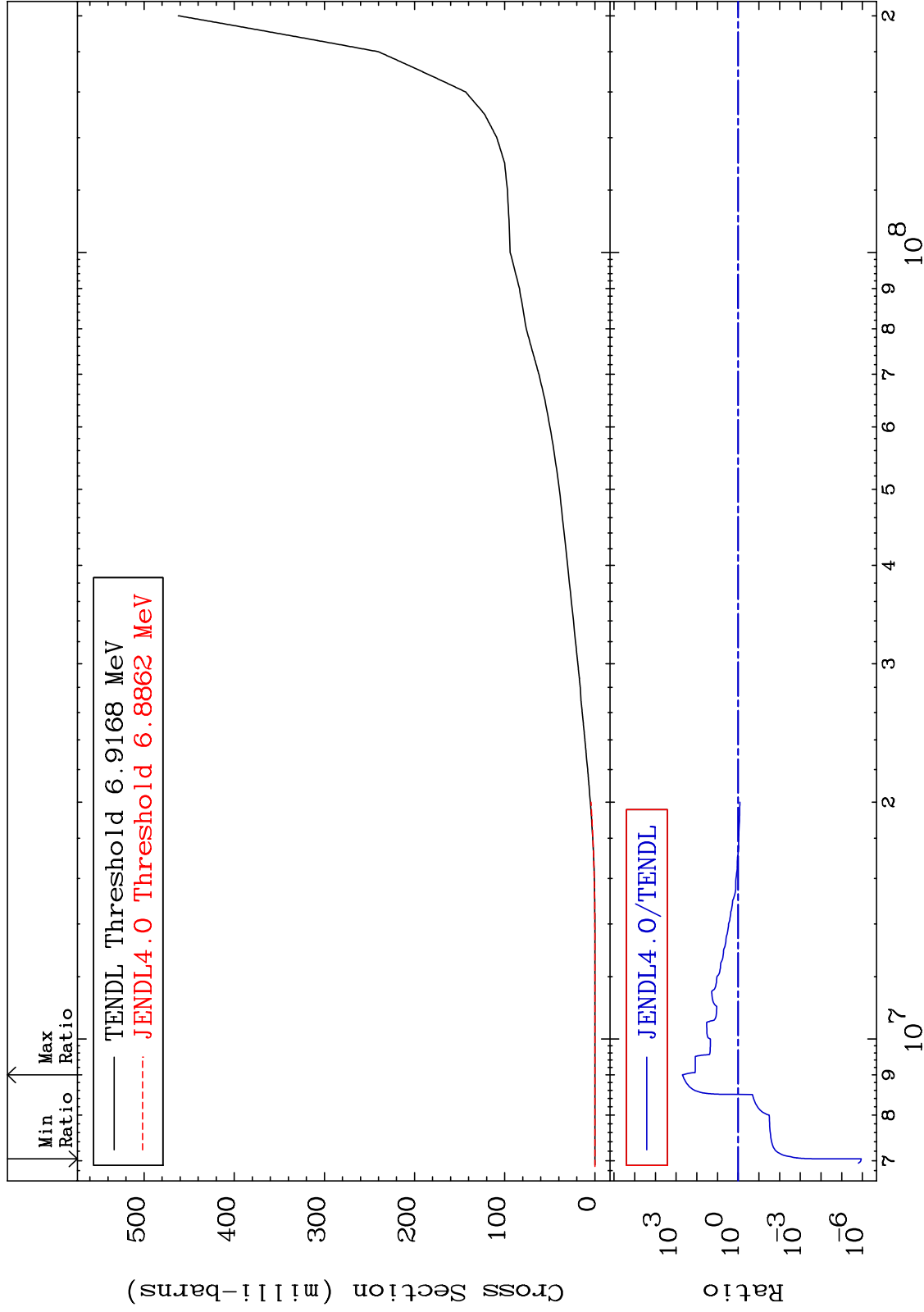




MAT 6255

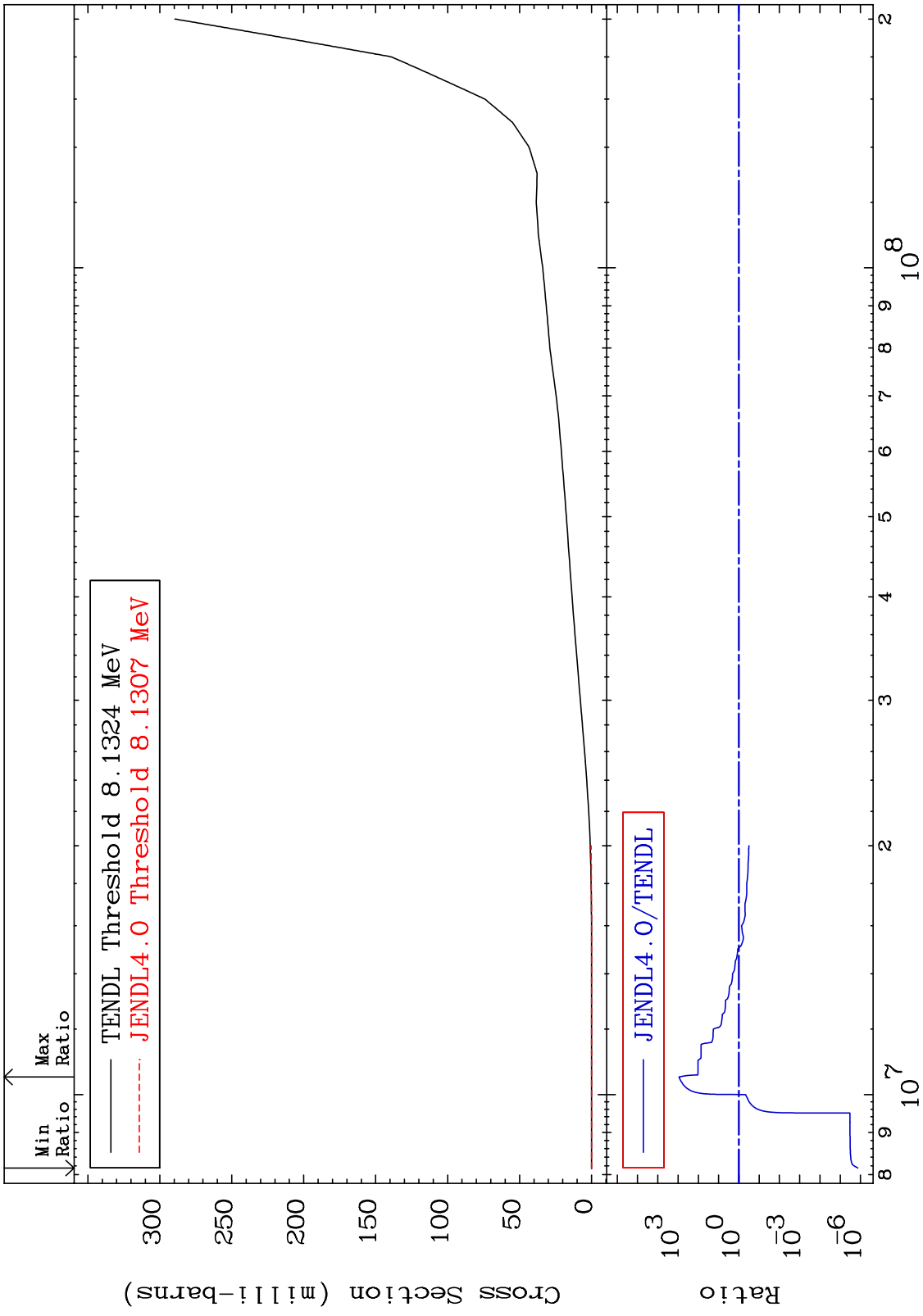
### Deuterium Production Cross Section

62-Sm-154  
-100.0 To 9999. %





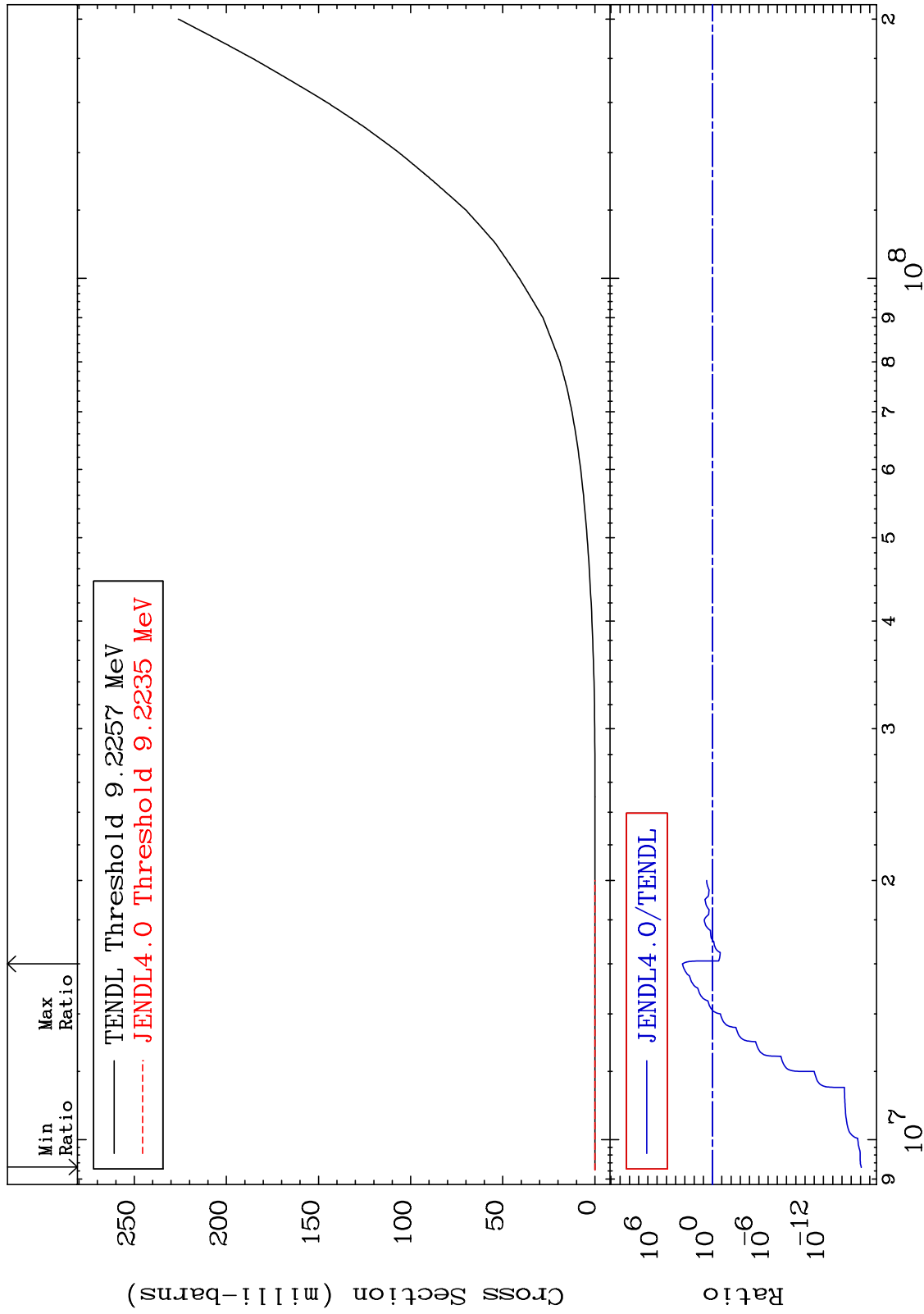
MAT 6255 Tritium Production Cross Section 62-Sm-154  
 -100.0 To 9999. %



MAT 6255

He-3 Production  
Cross Section

62-Sm-154  
-100.0 To 9999. %



49

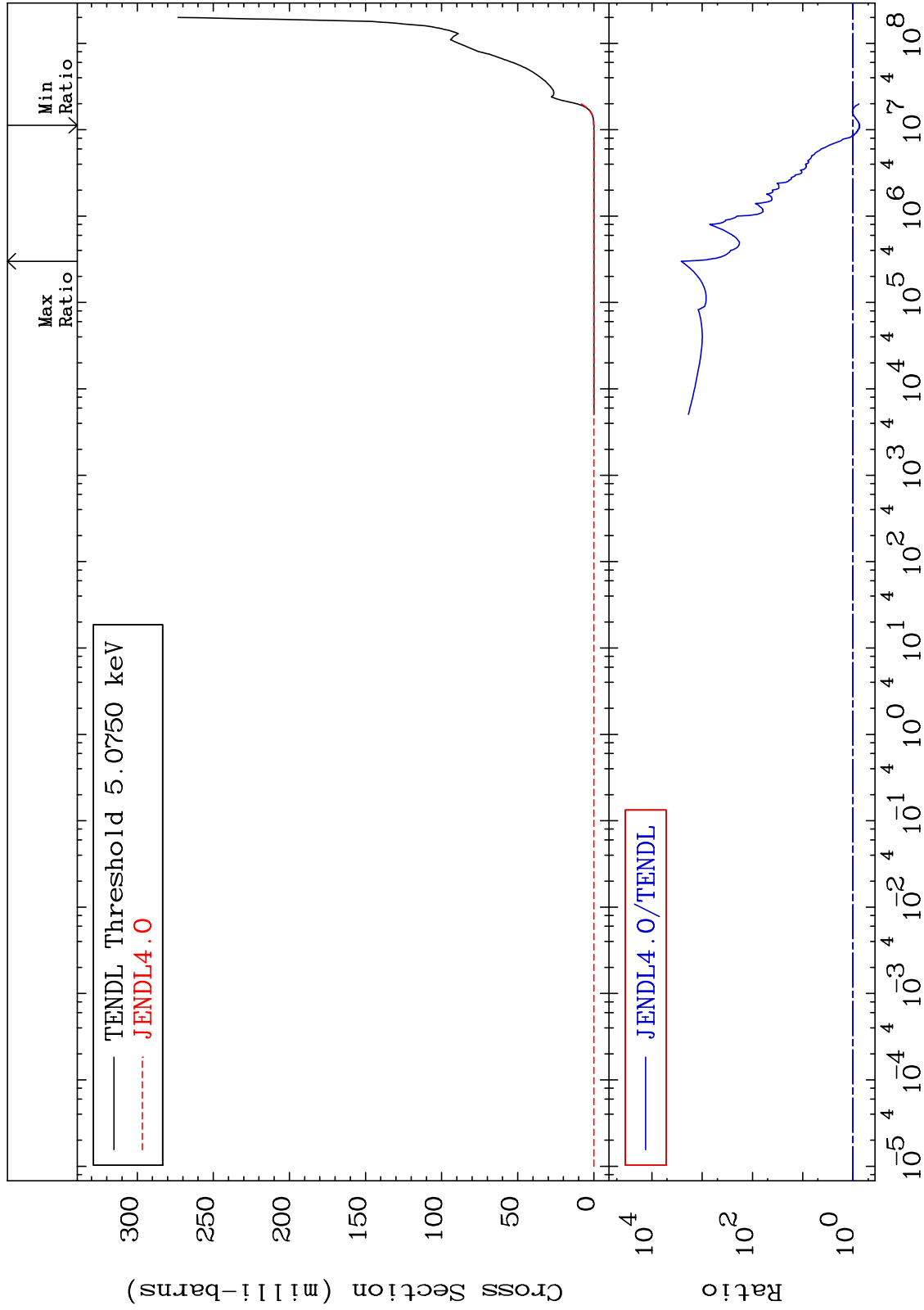
Incident Energy (eV)

62-Sm-154

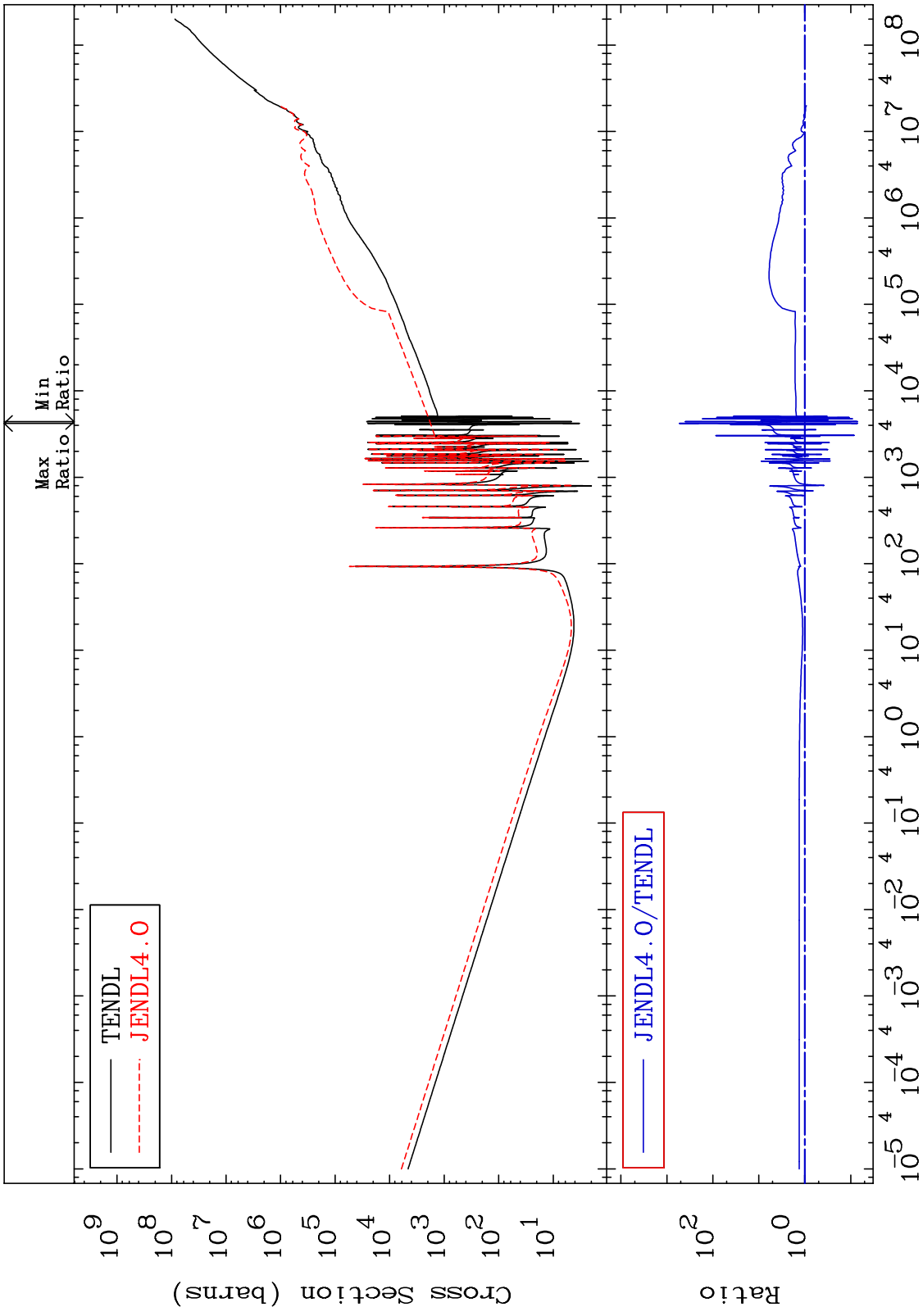
MAT 6255

He-4 Production  
Cross Section

62-Sm-154  
-26.60 To 9999. %



MAT 6255      Kerma total (eV-barns)  
 Cross Section      62-Sm-154  
 -92.99 To 9999. %

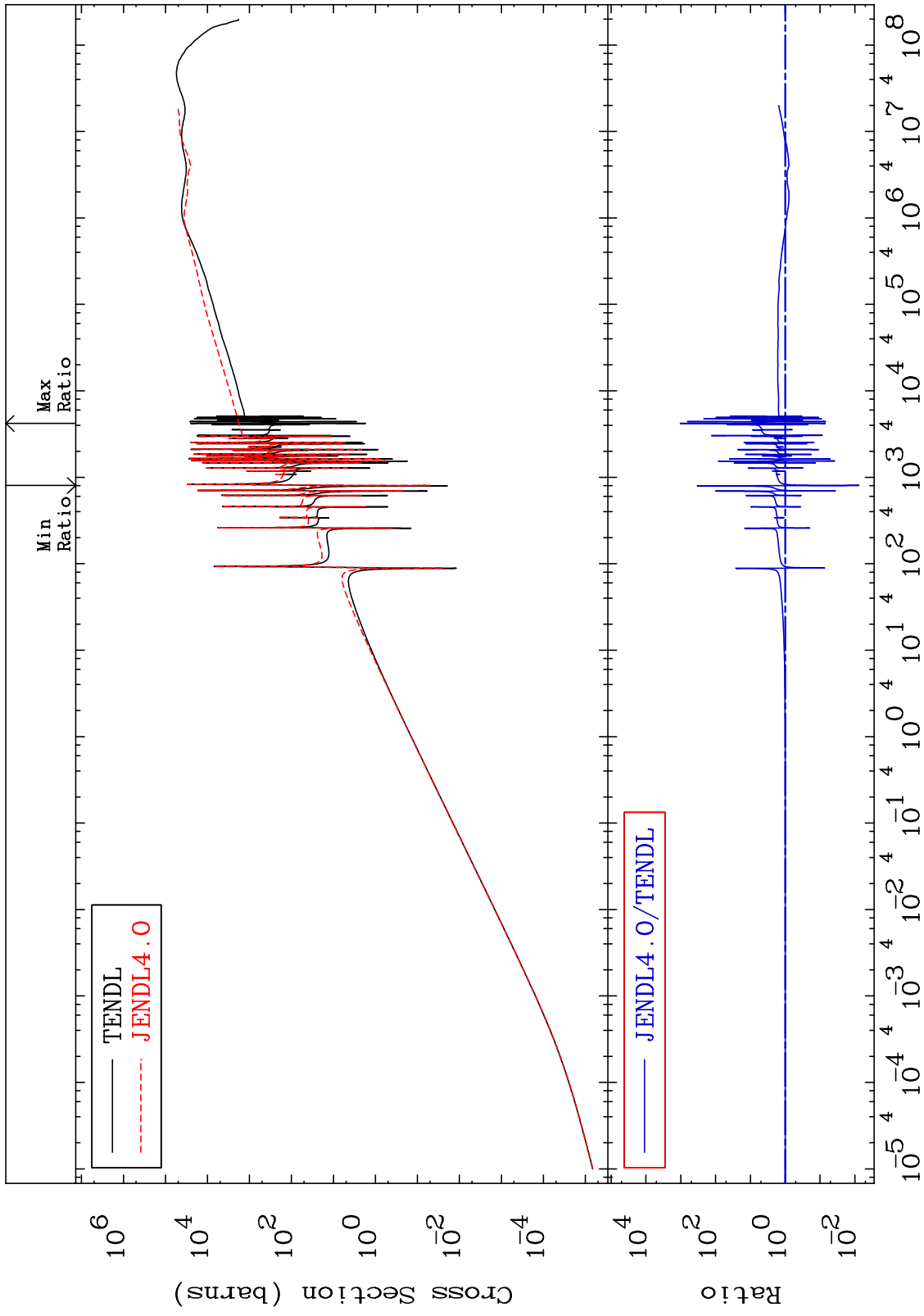


51      62-Sm-154

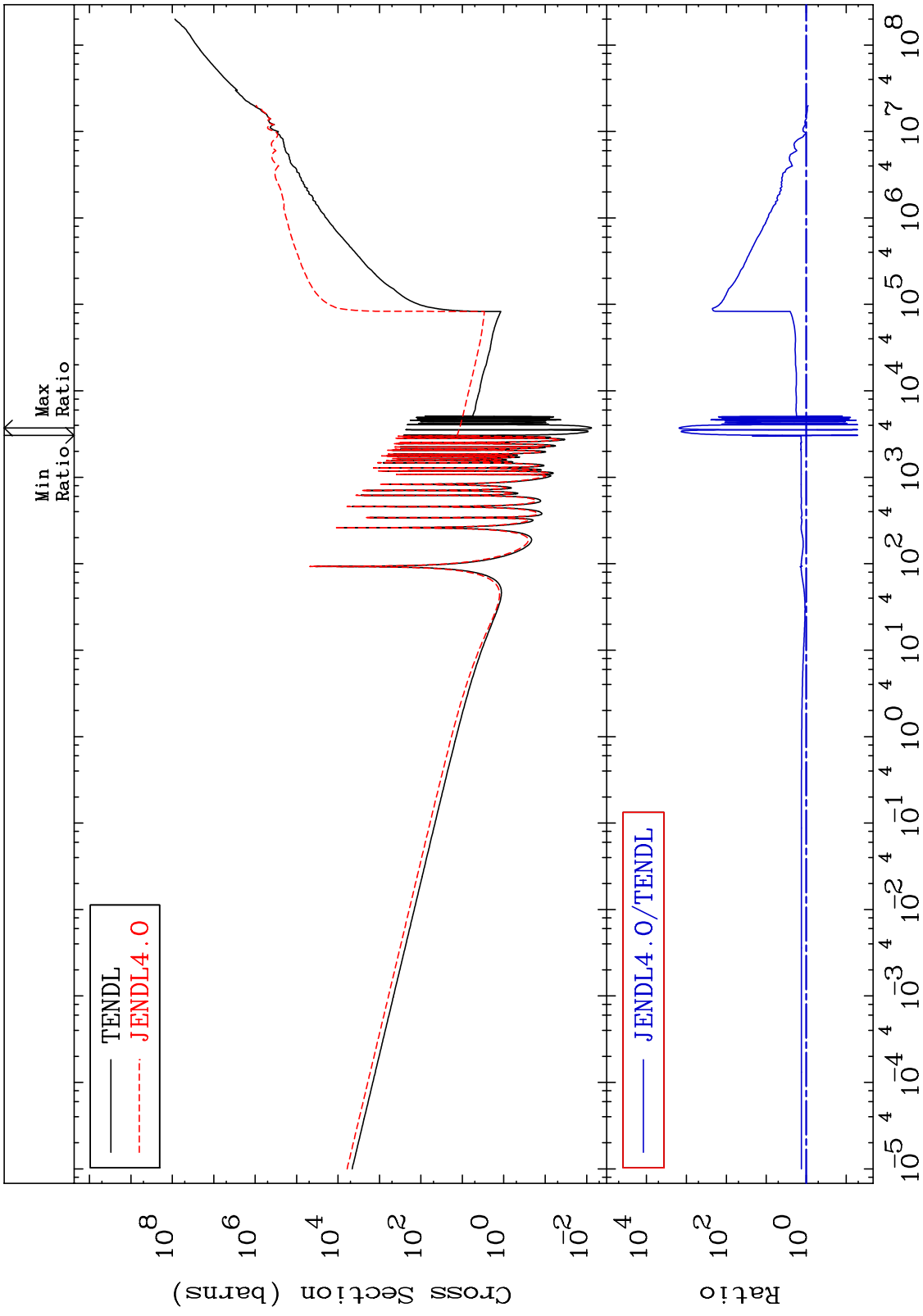
MAT 6255

Kerma elastic  
Cross Section

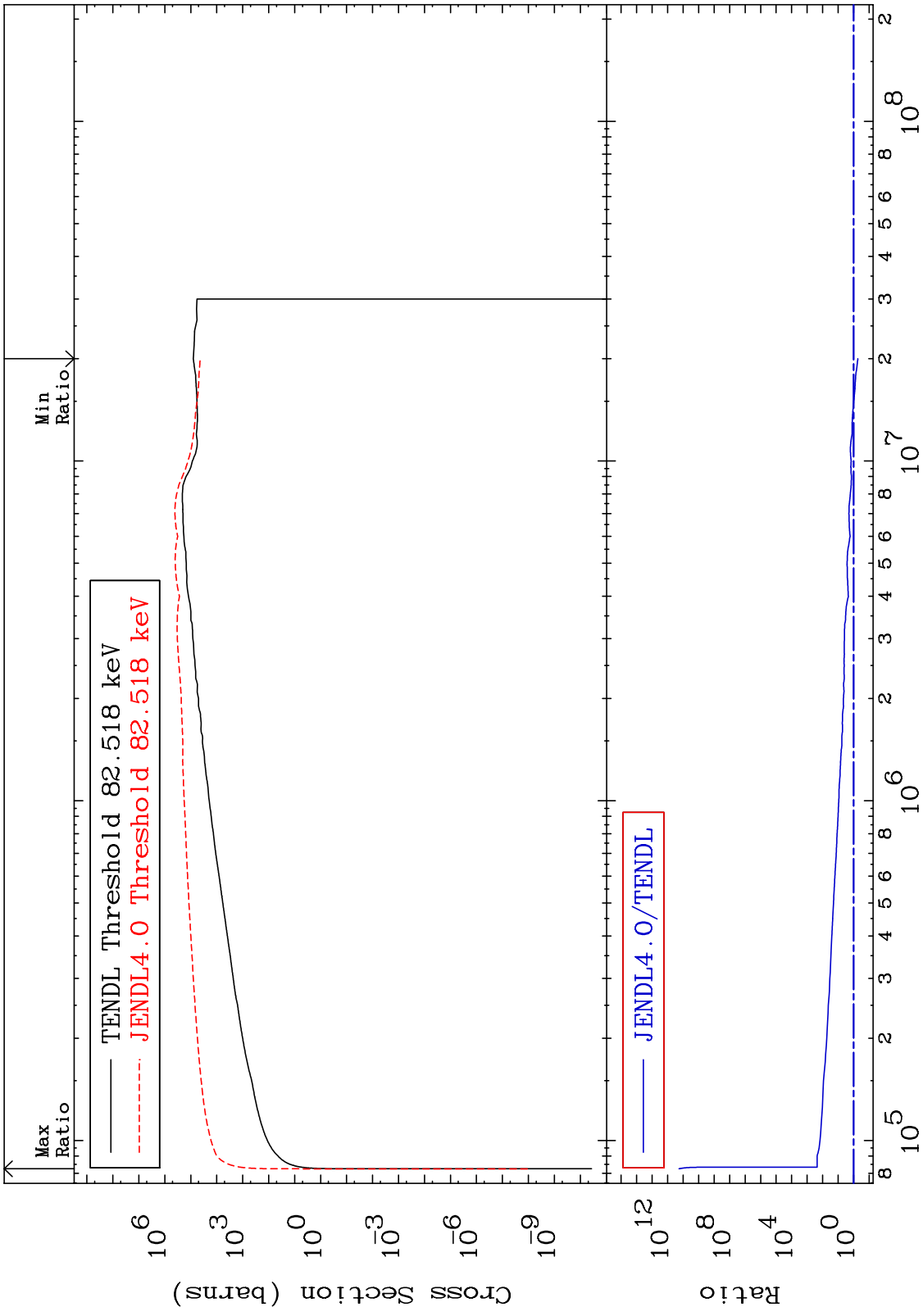
62-Sm-154  
-99.23 To 9999. %



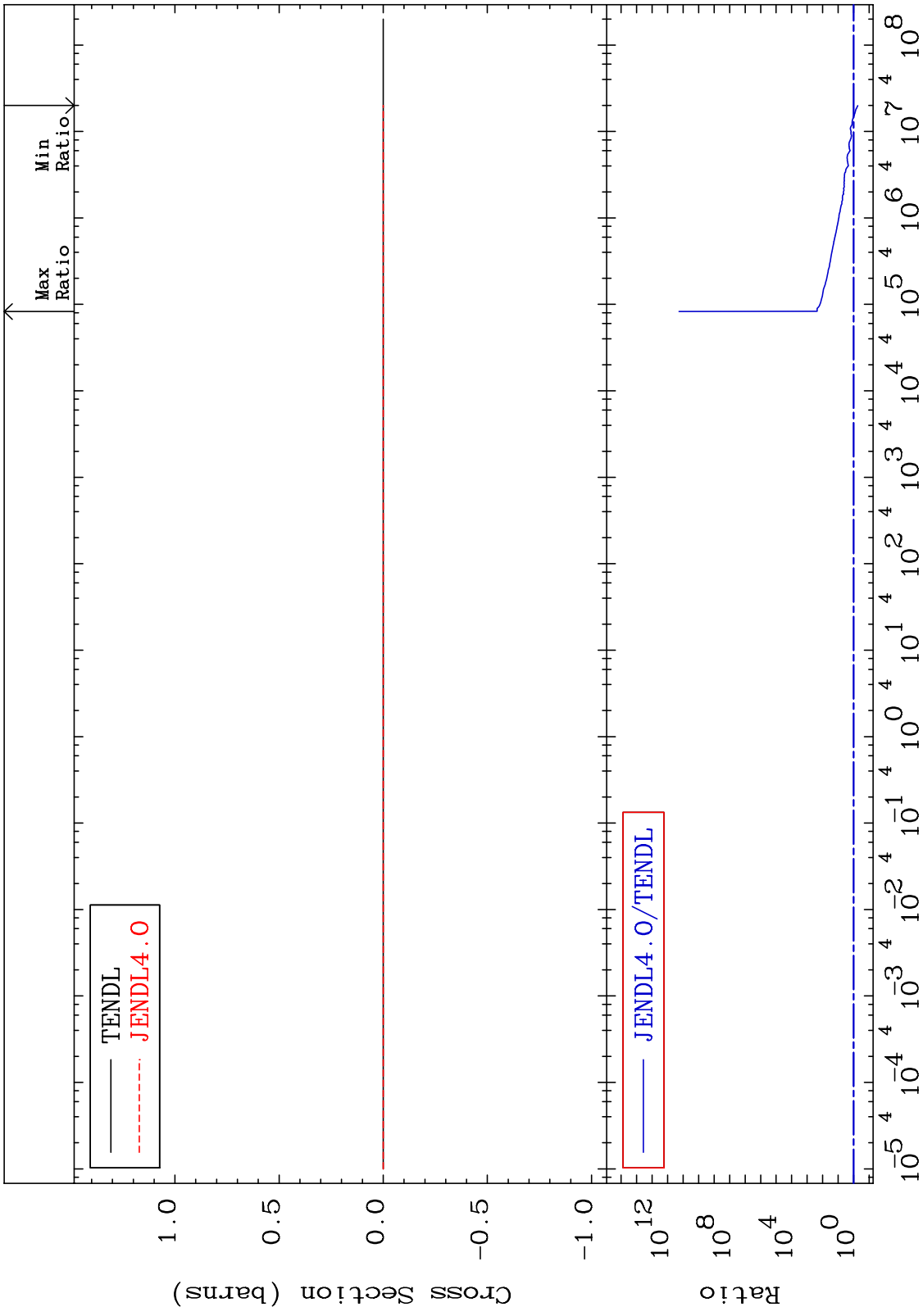
MAT 6255      Kerma non-elastic (all but mt.2)      62-Sm-154  
 Cross Section      -94.90 To 9999. %



MAT 6255 Kerma inelastic (mt51-91) 62-Sm-154  
 Cross Section -45.96 To 9999. %

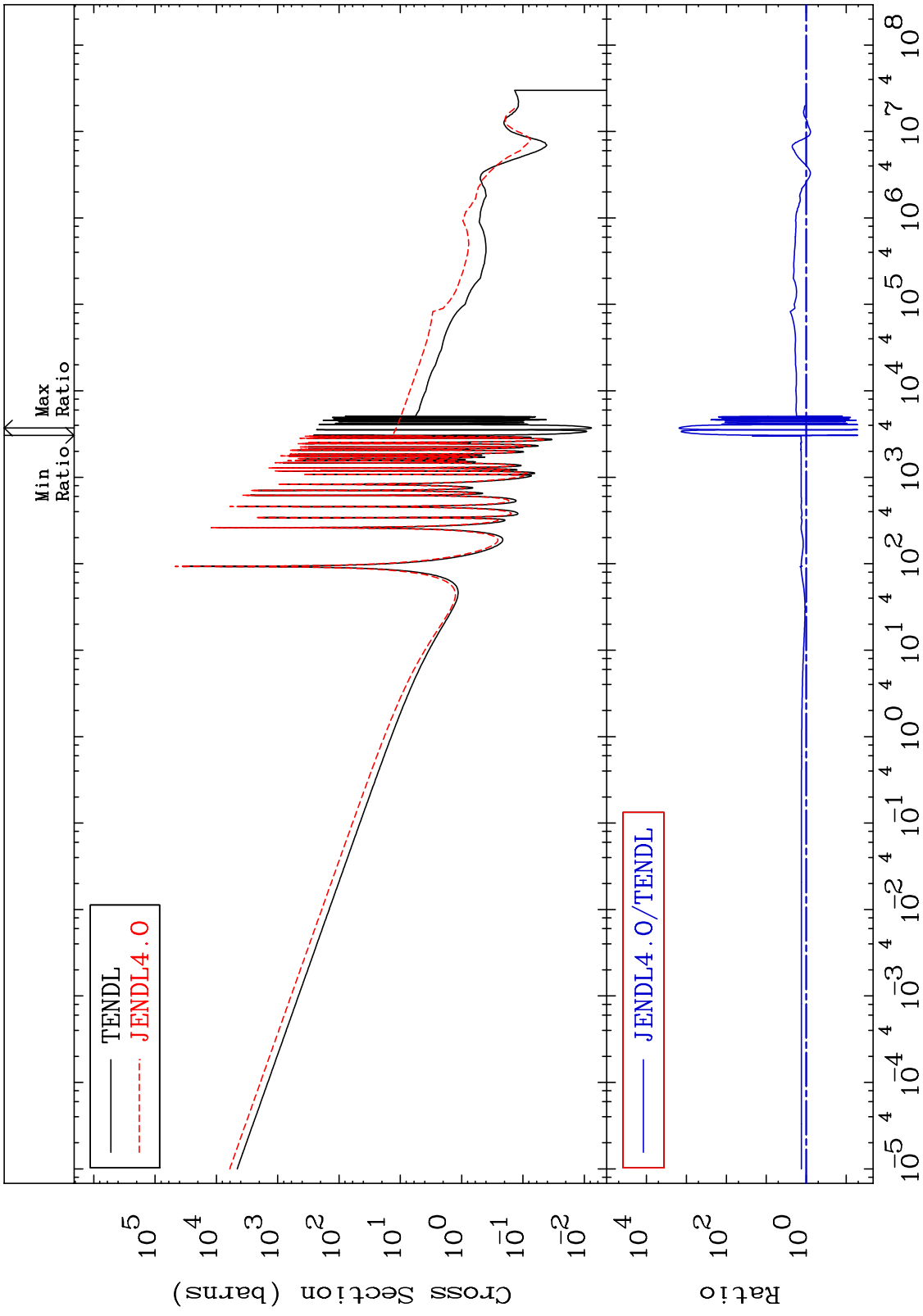


MAT 6255 Kerma fission (mt18 or mt19-20-21-38) 62-Sm-154  
 Cross Section -45.96 To 9999. %

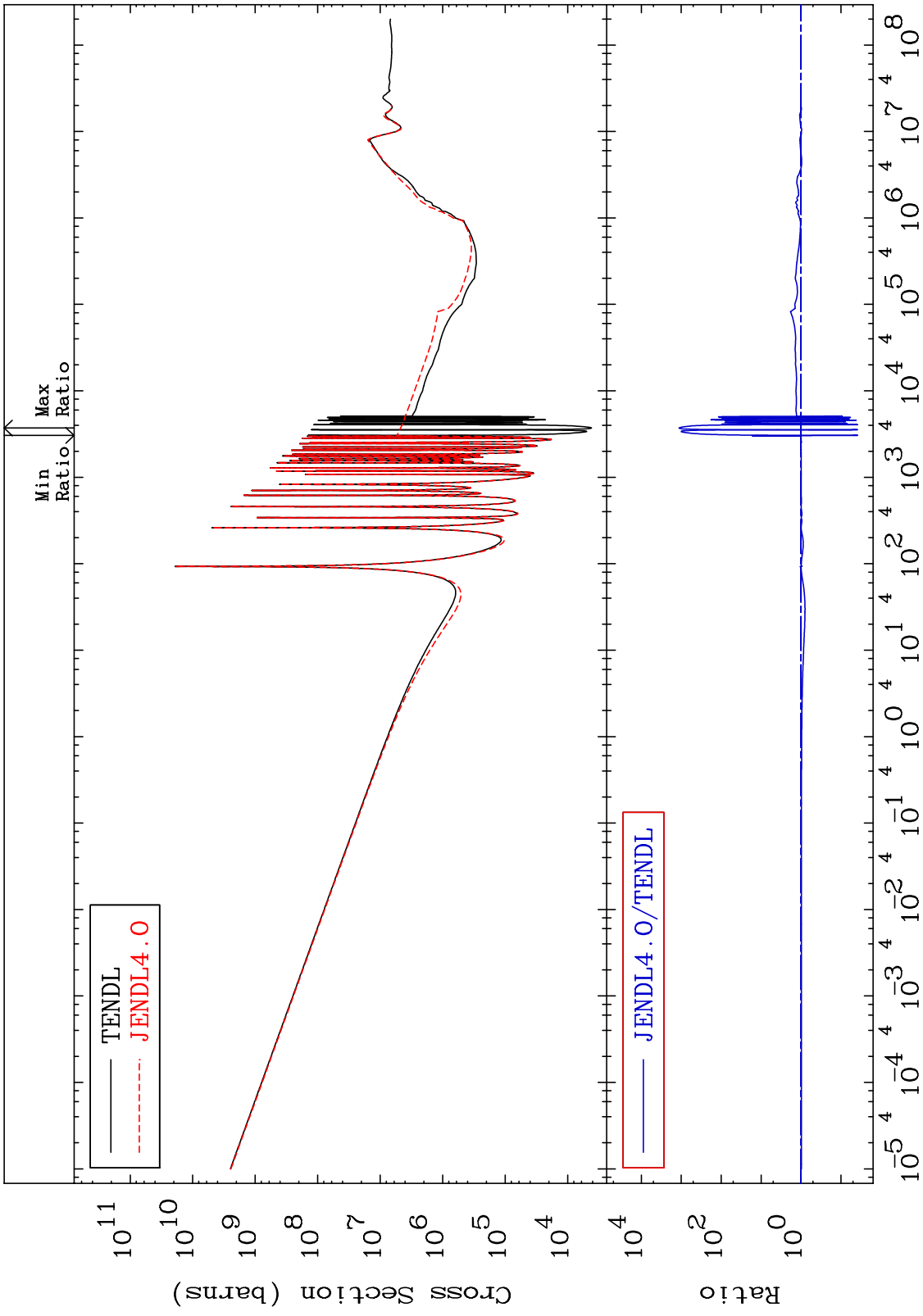




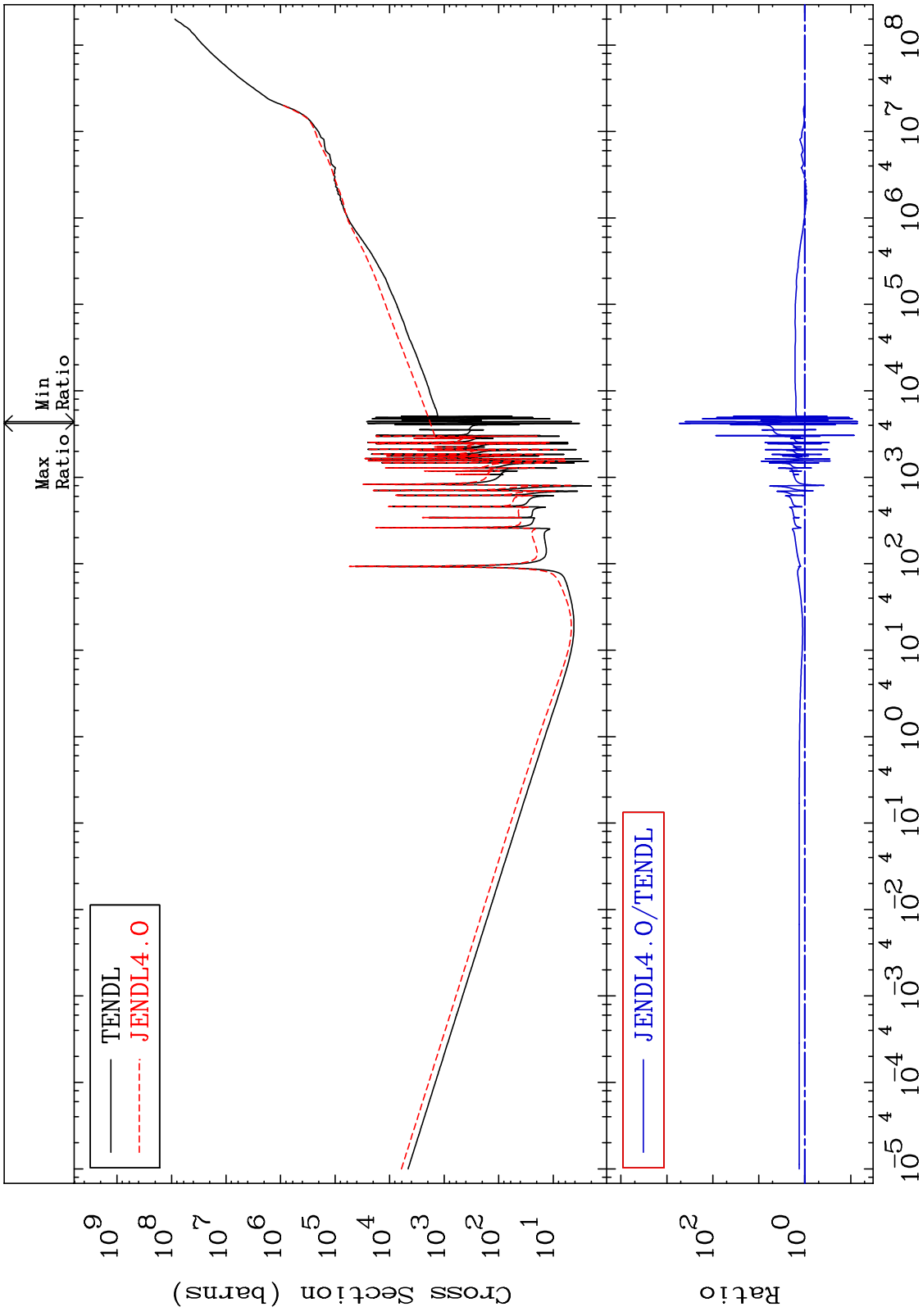
MAT 6255      Kerma capture (mt102)      62-Sm-154  
 -94.90 To 9999. %  
 Cross Section



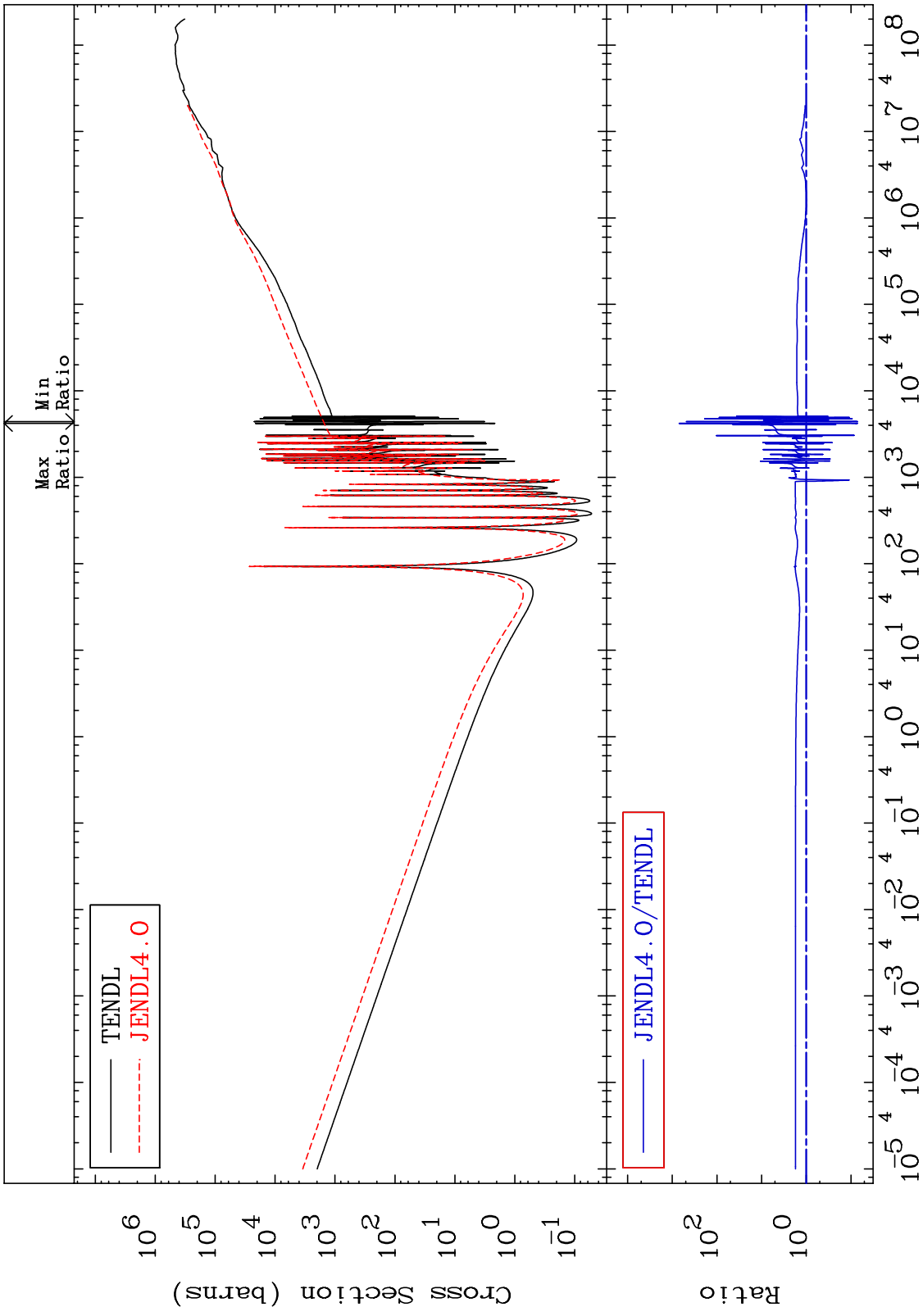
MAT 6255 Total photon (eV-barns) Cross Section 62-Sm-154 -96.22 To 9999. %



MAT 6255 Total kinematic kerma (high limit) 62-Sm-154  
Cross Section -92.99 To 9999. %

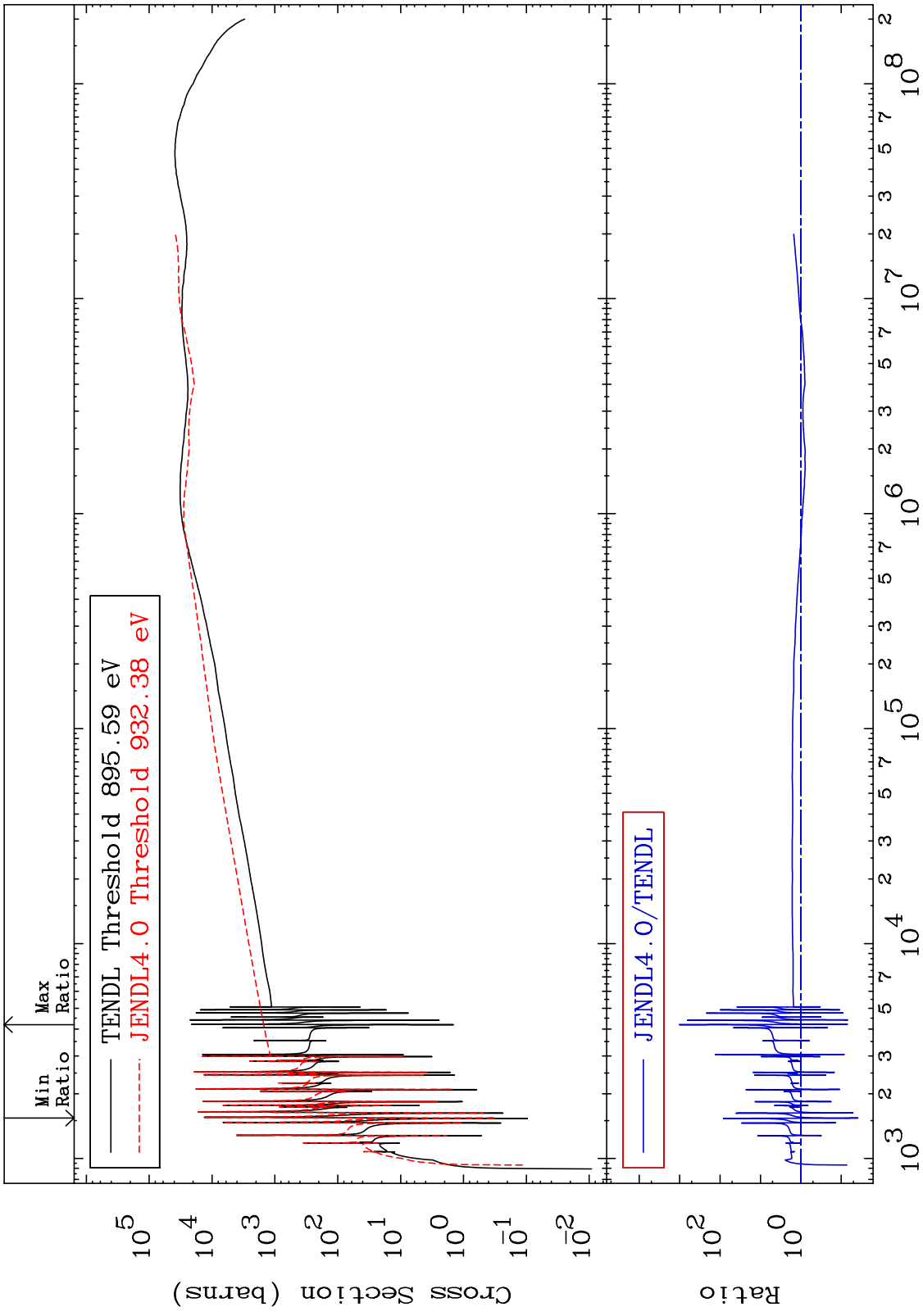


MAT 6255      Dpa total (eV-barns)      62-Sm-154  
 Cross Section      -93.00 To 9999. %



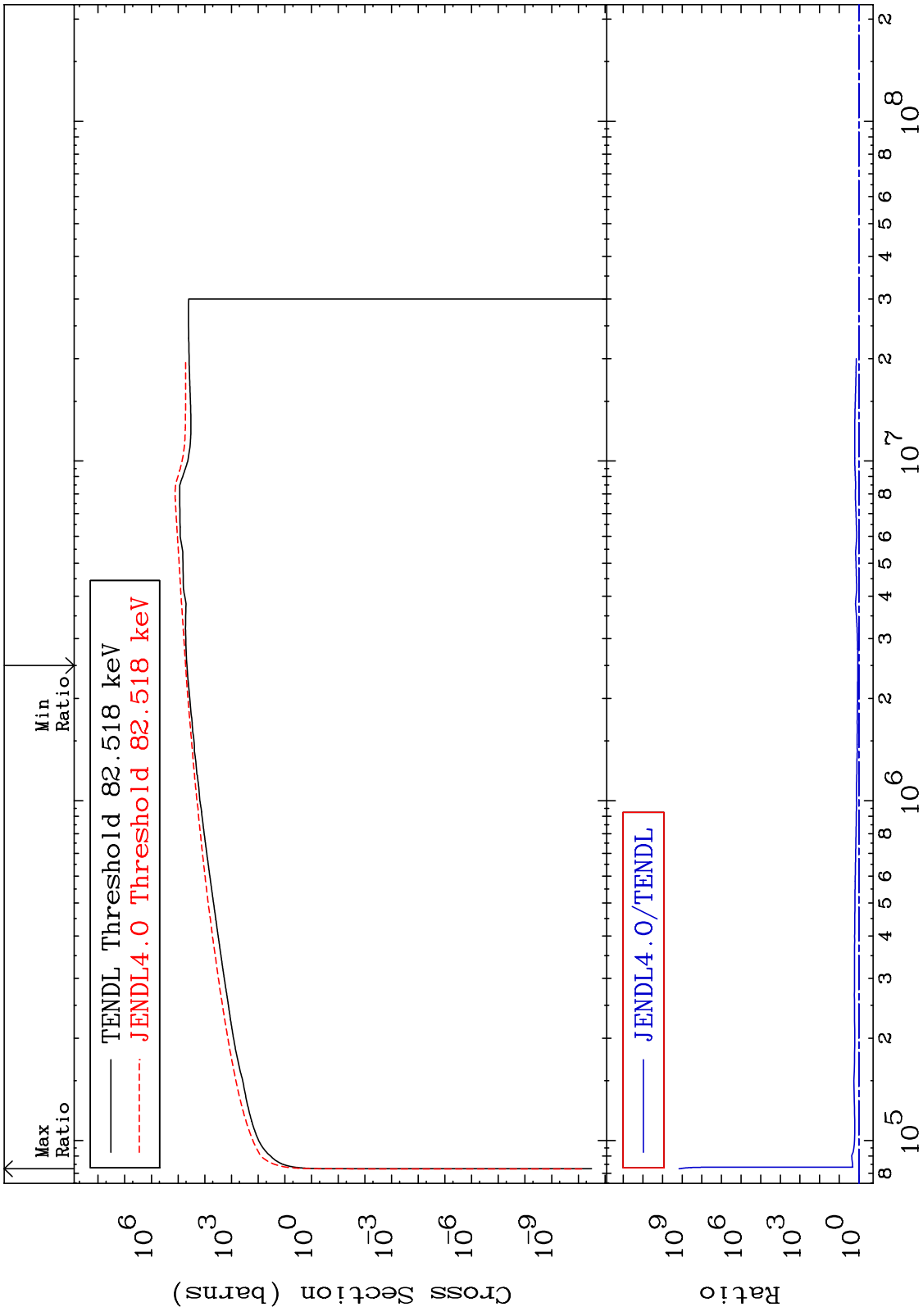
59      Incident Energy (eV)      62-Sm-154

MAT 6255 Dpa elastic (mt2) 62-Sm-154  
Cross Section -96.11 To 9999. %



60 62-Sm-154

MAT 6255 Dpa inelastic (mt51-91) 62-Sm-154  
 Cross Section 12.15 To 9999. %



MAT 6255      Dpa disappearance (mt102 -120)      62-Sm-154  
 Cross Section      -93.33 To 9999. %

